

VERIFICATION

STATE OF INDIANA)
) SS:
COUNTY OF HENDRICKS)

The undersigned, Timothy J. Hohenstatt, Director Transmission Planning, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.



Timothy J. Hohenstatt, Affiant

Subscribed and sworn to before me by Timothy J. Hohenstatt on this 26TH day of FEBRUARY 2024.



NOTARY PUBLIC

My Commission Expires: 1/26/2021



VERIFICATION

STATE OF OHIO)
)
COUNTY OF HAMILTON) **SS:**

The undersigned, Bruce Sailors, Director Jurisdictional Rate Administration, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests and that the answers contained therein are true and correct to the best of his knowledge, information and belief.

Bruce Z. Sailors

Bruce Sailors Affiant

Subscribed and sworn to before me by Bruce Sailors on this 5th day of March,
2024.

Brian Pokrywka

NOTARY PUBLIC



Brian Pokrywka, Attorney At Law
NOTARY PUBLIC - STATE OF OHIO
My commission has no expiration date
Sec. 147.03 R.C.

My Commission Expires:

VERIFICATION

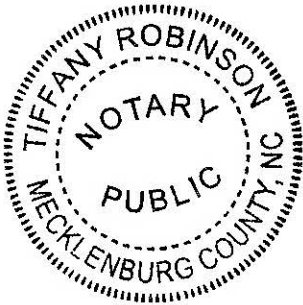
STATE OF NORTH CAROLINA)
) SS:
COUNTY OF MECKLENBURG)

The undersigned, Jacob Colley, Director Customer Services Strategy, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.

Jacob S. Colley

Jacob Colley Affiant

Subscribed and sworn to before me by Jacob Colley on this 28^m day of February,
2024.



Tiffany Robinson

NOTARY PUBLIC

My Commission Expires:

February 4, 2026

VERIFICATION

STATE OF NORTH CAROLINA)
)
COUNTY OF MECKLENBURG) SS:

The undersigned, Matt Kalemba, Managing Director IRP and Analytics - Midwest, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.



Matt Kalemba Affiant

Subscribed and sworn to before me by Matt Kalemba on this 28 day of February 2024.





NOTARY PUBLIC

My Commission Expires: 2/1/2028

VERIFICATION

STATE OF OHIO)
)
COUNTY OF HAMILTON) SS:

The undersigned, James E. Ziolkowski, Director, Rates & Regulatory Planning, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.



James E. Ziolkowski Affiant

Subscribed and sworn to before me by James E. Ziolkowski on this 5th day of March, 2024.



NOTARY PUBLIC



Brian Pokrywka, Attorney At Law
NOTARY PUBLIC - STATE OF OHIO
My commission has no expiration date
Sec. 147.03 R.C.

My Commission Expires:

VERIFICATION

STATE OF OHIO)
)
COUNTY OF HAMILTON) **SS:**

The undersigned, Dominic Melillo, Director Asset Management, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.



Dominic Melillo Affiant

Subscribed and sworn to before me by Dominic Melillo on this 5th day of March, 2024.



NOTARY PUBLIC



Brian Pokrywka, Attorney At Law
NOTARY PUBLIC - STATE OF OHIO
My commission has no expiration date
Sec. 147.03 R.C.

My Commission Expires:

KyPSC Case No. 2023-0413
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Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024

KYSEIA-DR-02-001

REQUEST:

Reference: Duke Response to Kentucky Solar Energy Society Kentuckian's for the Commonwealth's First Request for Information, Item 13, Attachment 1, page 4 of 19 ("Joint Intervenors 1-___"); and Duke Response to Attorney General's First Data Requests, Item 5 ("OAG 1-___"). Attachment 1, page 4 of 19 includes the statement: "At current pace, net metering cap could be reached in October 2025." The Response to the OAG (scenario considering the impact of a 10kW rooftop solar generator on the need for transmission capacity on the DEK system) includes the statement: "Due to the random, intermittent, and non-dispatchable nature of such exports of energy back to the grid, they are not valued for purposes of transmission capacity."

- a. Rather than through a hypothetical single 10kW rooftop solar generator in isolation but, instead, by reference to the actual cumulative generating capacity of net metering systems for the DEK system as of the date of the application in the instant proceeding, is Duke's position that the current cumulative generating capacity of net metering systems should not be valued for purposes of transmission capacity? If yes (that they should not be valued), explain why not. If no (that they should be valued), explain how they should be valued.
- b. In a scenario in which Duke deployed a distributed energy management system ("DERMS") or other similar management system for the actual cumulative generating capacity of net metering systems for the DEK system as of the date of

the application in the instant proceeding, is Duke's position that the current cumulative generating capacity of net metering systems should not be valued for purposes of transmission capacity? If yes (that they should not be valued), explain why not. If no (that they should be valued), explain how they should be valued.

- c. Further reference Duke Response to Joint Intervenors 1-13(a), Attachment 2, page 16 of 17. Is it Duke's position that (in a scenario featuring) the deployment of "EE" for the actual cumulative generating capacity of net metering systems for the DEK system as of the date of the application in the instant proceeding, the actual cumulative generating capacity of the net metering systems should not be valued for the purpose of transmission capacity? If yes (that they should not be valued), explain why not. If no (that they should be valued), explain how they should be valued.

RESPONSE:

- a. Yes. See the Company's response to KSES-DR-02-005.
- b. Yes. See the Company's response to KSES-DR-02-005.
- c. Objection. Irrelevant and seeks information that is beyond the scope of this proceeding and not likely to lead to the discovery of any relevant or admissible evidence. There is no energy efficiency program or requirement proposed in this proceeding, and therefore any speculation about possible future programs is irrelevant. Without waiving said objection, to the extent discoverable, and in the spirit of discovery, the Company will evaluate any future programs proposed on a case-by-case basis.

PERSON RESPONSIBLE:

As to responses: Timothy J. Hohenstatt (a,b); Bruce L. Sailors (c)
As to objection: Legal

Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024

KYSEIA-DR-02-002

REQUEST:

Reference: Duke Response to OAG 1-6. With regard to Duke's definition of "random," as that word is used in the response, is it Duke's position that it is unable to develop profiles and/or model probabilities (based upon actual experience) of solar generation exports from the generators on Duke's system by weather conditions, time-of-day, and/or month-of-year, such that Duke is without ability to forecast or otherwise plan for solar generation exports from solar generators in terms of when exports should be anticipated? (For examples, that the probability for an export occurring at 2:00 a.m. is just as likely (random) as 2:00 p.m.; exports occurring on hot sunny days just as likely as cool sunny days; etc.) If yes, explain why. If no, explain Duke's efforts to date to develop profiles and/or model probabilities for solar generation exports from solar generators.

RESPONSE:

The Company's use of the term "random" in its response to AG-DR-01-006, is not consistent with the description above. The word "random," was used regarding excess generation exports. From the Company perspective of metering and load following, the amount of export for a customer is random to the extent that fluctuations in consumption at the site (*e.g.*, electric furnace turning on, pool pump turning on) are unknown in advance and impact the quantity of export. Cloud cover is also an item contributing to the use of the word "random". The Company does not contest that solar generation can be modeled.

However, regardless of the accuracy of such generation modeling, exports remain highly variable, intermittent, and non-dispatchable.

PERSON RESPONSIBLE: Bruce Sailors

Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024

KYSEIA-DR-02-003

REQUEST:

Reference: Duke Response to Kentucky Solar Industries Association, Inc.'s Initial Requests for Information, Item 1, b and e ("KYSEIA 1-___") and KYSEIA 1-9 d, q, and r.

- a. Confirm that Duke will require each successive customer at a premises eligible for net metering service under NM I for the remainder of the grandfathering period to submit a Level 1 Application for Interconnection and Net Metering – Kentucky (set forth in the present Schedule of Rates, Classifications Rules and Regulations for Electric Service of Duke Energy Kentucky, Inc.) as a condition for receiving net metering service. If this cannot be confirmed, identify and explain the submission that will be required.
- b. Confirm that process(es) and point(s) of contact for starting service at a location (opening an account) is(are) the same for submitting and processing a Level 1 applications for interconnection and net metering (that, for example, a person starting residential service using Duke's current website can, as part of that process, simultaneously submit a Level 1 application through the same customer encounter). If this cannot be confirmed, identify and explain the differences in requesting a start of service to a location for, say, general residential service, and submitting a Level 1 application for interconnection and net metering.

- c. Separately from the response to part b (above), can the same Duke customer care representative process an application to start service and accept a Level 1 application for interconnection and net metering? If no, explain why not.

RESPONSE:

- a. Confirmed. Successive customers will need to enter into an interconnection agreement with the Company. For a successive customer, this is a simplified process but it must be completed before receiving net metering service.
- b. Deny. The digital start service process is not designed to also process interconnection applications. Instead, when a customer is moving into a premise with Net Metering, the Company will prompt the customer to let them know an agreement is required before they can receive credits. A follow-up email is generated to that customer with details of how to complete the Interconnection Agreement. Interconnection application and an application for starting service are different processes. The application for interconnection of an on-premises generation facility and the equipment to safely export and import electricity is typically more complex than requesting electric service.
- c. Deny. Interconnection applications are handled within the Company's Renewable Service Center (RSC). The RSC is skilled and trained to support Duke Energy Kentucky customers with new or existing solar connection inquiries, help the customer with questions about engineering studies, and other necessary steps in the process. The process for starting electric service via the contact center does not typically require the same level of complexity and is typically handled by call specialists with less experience and less specialized experience. When a customer calls to start service at an existing net metered premises, the call specialist informs

the customer that a transfer of ownership is required and provides additional information about the application process with the customer.

PERSON RESPONSIBLE: Jacob Colley

Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024

KYSEIA-DR-02-004

REQUEST:

Reference: Duke Response to KYSEIA 1-2 d. State whether a net metering customer will be able to submit for review and obtain an approval of a plan to repair or replace a system for the express purpose of determining whether the planned repairs or replacement results in a change in the customer's net metering status (including whether the proposal will require a new interconnection study). If yes (there is a review), describe the review process. If no (there is no review), explain why not.

RESPONSE: Net Metering customers making like for like repairs to their interconnection system will not require any approval or submission to the utility. Net Metering customers increasing the size of the AC value (alternating current) of their system will require a new interconnection application to be submitted to the utility. The new installation must meet all safety requirements needed for interconnection. The review process would consist of application intake and account verification by the Renewable Service Center followed by a technical review by the engineering department to determine if the proposed installation can be approved.

PERSON RESPONSIBLE: Jacob Colley

**Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024**

KYSEIA-DR-02-005

REQUEST:

Reference: Duke Response to KYSEIA 1-5 a iii. At pertinent part, Duke states: "The Company would not use this method unless necessary." Provide examples that demonstrate instances in which the method would be necessary (specifically including any example(s) in which this method is presently in use).

RESPONSE:

There is currently no identified or intended use for this method.

PERSON RESPONSIBLE: Bruce L. Sailors

Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024

KYSEIA-DR-02-006

REQUEST:

Reference: Duke Response to KYSEIA 1-8.

- a. State whether Duke is currently a distributed energy resource aggregator for Duke's Kentucky service territory. If no, state why not.
- b. Confirm that the described "double counting" does not occur in the absence of Duke serving as a distributed energy resource aggregator for Duke's Kentucky service territory. If this cannot be confirmed, explain why not.
- c. Provide a reference/citation to any Order of the Kentucky Public Service Commission that identifies and/or discusses "double counting."

RESPONSE:

- a. The Company is not currently registered with PJM as a distributed energy resource aggregator (DERA). The Company has not determined how such a registration would be structured or if there is incremental benefit to DERA participation beyond the retail level net metering programs.
- b. In the absence of the Company becoming a DERA, "double counting" could occur. For example, double counting might need to be addressed if a separate third-party DERA attempts to utilize the excess generation from customers participating in net metering.
- c. Objection. This request improperly seeks to elicit information that is of public record and thus is equally accessible to the requestor. Orders of the Kentucky

Public Service Commission are typically publicly available on the Commission's website at <http://psc.ky.gov>. Without waiving said objection, and to the extent discoverable, the Company is aware of guiding principles established by the Commission in prior proceedings. For example, see the Commission's order dated September 24, 2021, in Case No. 2020-00349, page 42, in which the Commission notes, "Avoid double counting. There is a risk of counting certain benefits or costs more than once if they fall into multiple categories of benefit or cost. All impacts should therefore be clearly defined and carefully quantified."

PERSON RESPONSIBLE:	As to response:	Bruce L. Sailors
	As to objection:	Legal

Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024

KYSEIA-DR-02-007

REQUEST:

Please provide all workpapers used in the development of Mr. Sailers' direct testimony in their original electronic format (e.g. native Excel files) with formulas intact. If any values in these files are hardcoded, please provide the source documentation for each of the hardcoded values.

RESPONSE:

See the Company's responses to AG-DR-01-004 (Confidential as to Attachment), STAFF-DR-01-009 (Confidential as to Attachments), KSES-DR-01-001, KSES-DR-01-004 (Confidential as to certain attachments), and KSES-DR-01-010. In addition, see the Company's response to KYSEIA-DR-02-009. In addition, the Company provides the following.

- In Attachment BLS-2, COSS Unit Cost Values tab, the two values provided in Cells C9 and D9 are billing determinants, sourced from the Company's Schedule M for the test period in Case No. 2022-00372. The Schedule M is publicly available on the Commission's website.
 - o Similarly, on the same tab in cells E10 and E11, Load Research information used in the COSS is used to determine an allocation factor for demand. See KYSEIA-DR-02-007 Attachment.

- In Attachment BLS-2, Rate RS charges are provided in the Inputs Tab. These values were the current Rate RS charges at the time the Company filed the Application in the instant proceeding.

PERSON RESPONSIBLE: Bruce L. Sailors

DUKE ENERGY KENTUCKY INC
 MONTHLY STATISTICS
 APRIL 2021 THROUGH MARCH 2022

RESIDENTIAL - RS RATE GROUP

DATE	NUMBER OF CUSTOMERS		SAMPLE AVERAGE USAGE	AVERAGE NCD	GROUP COINCIDENT DEMAND		SYSTEM COINCIDENT DEMAND		NCD LOAD FACTOR	GROUP COIN LOAD FACTOR	SYSTEM COIN LOAD FACTOR	SYSTEM COIN COINCIDENCE FACTOR	SYSTEM COIN DIVERSITY FACTOR	Total kWh	Total kW NC	Class Peak Coincident kW	System Peak Coincident kW
	SAMPLE	POPULATION	KWH	KW	KW	DATE-TIME	KW	DATE-TIME									
April		133,975	681	5.442	1.625	04/01/21 20:00	1.229	04/28/21 15:00	17.38	58.21	76.93	22.59	442.58	91,238,961	729,033	217,774	164,695
May		134,092	761	5.608	2.398	05/24/21 18:00	2.353	05/24/21 17:00	18.24	42.64	43.46	41.97	238.25	102,057,203	752,030	321,575	315,506
June		134,196	1,027	5.754	2.791	06/29/21 17:00	2.701	06/29/21 16:00	24.79	51.09	52.80	46.95	212.98	137,834,836	772,219	374,603	362,480
July		134,259	1,168	5.756	2.724	07/06/21 18:00	2.694	07/06/21 17:00	27.28	57.66	58.30	46.79	213.74	156,823,085	772,776	365,666	361,660
August		134,355	1,204	6.023	2.855	08/24/21 18:00	2.766	08/12/21 16:00	26.88	56.70	58.53	45.92	217.75	161,824,545	809,159	383,597	371,636
September		134,426	878	5.869	2.398	09/14/21 17:00	2.398	09/14/21 17:00	20.77	50.83	50.83	40.86	244.74	117,977,142	788,900	322,319	322,319
October		134,487	723	5.251	1.972	10/10/21 17:00	1.853	10/11/21 17:00	18.52	49.31	52.49	35.28	283.48	97,298,413	706,238	265,271	249,187
November		134,601	841	5.595	1.746	11/23/21 08:00	1.746	11/23/21 08:00	20.87	66.85	66.85	31.22	320.36	113,160,169	753,127	235,015	235,015
December		134,723	912	5.713	1.944	12/07/21 19:00	1.898	12/07/21 18:00	21.46	63.09	64.62	33.21	301.09	122,906,162	769,705	261,939	255,725
January		134,850	1,232	6.306	2.405	01/26/22 08:00	2.405	01/26/22 08:00	26.25	68.83	68.83	38.14	262.16	166,103,939	850,416	324,264	324,264
February		135,005	977	5.982	2.198	02/03/22 19:00	2.067	02/08/22 08:00	24.30	66.11	70.32	34.55	289.40	131,860,355	807,554	296,803	279,006
March		135,008	795	5.631	1.919	03/12/22 20:00	1.919	03/12/22 20:00	18.98	55.70	55.70	34.08	293.44	107,375,896	760,251	259,058	259,058
														1,506,460,706	9,271,408	3,627,884	3,500,551

Note: All hours are in EST

Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024

KYSEIA-DR-02-008

REQUEST:

Please provide all workpapers used in the development of Mr. Kalemba's direct testimony in their original electronic format (e.g. native Excel files) with formulas intact. If any values in these files are hardcoded, please provide the source documentation for each of the hardcoded values.

RESPONSE:

Mr. Kalemba did not use any workpapers to develop his testimony. Insofar as Mr. Kalemba's testimony discusses data provided to Mr. Sailors, such data can be found in the attachments to Mr. Sailors's direct testimony, the Company's response to KYSEIA-DR-02-007, and the Company's responses to discovery requests referenced in KYSEIA-DR-02-007.

PERSON RESPONSIBLE: Matthew Kalemba

Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024

KYSEIA-DR-02-009

REQUEST:

Please refer to Sailers Direct at 10.

- a. Please provide all settings used to produce the PVWatts hourly profile.
- b. Please provide the PVWatts hourly profile used in this analysis.
- c. Why did the Company decide a solar generation level equal to 80% of the average customer? Did the Company consider any other values (e.g. 50% or 100%)?
- d. When the Company applied a solar production profile from PVWatts, did it use the “typical meteorological year” setting, or did it apply solar production based on weather specifically from the April 2021 to March 2022 timeframe?
- e. To the extent that the Company did not use meteorological data to produce a solar profile that matched the April 2021 to March 2022 timeframe, what steps, if any, did it take to ensure that the hourly solar production corresponded to the weather conditions that produced the historic load data? For example, if June 2, 2021, was in actuality a hot sunny day, resulting in high load conditions for customers, but June 2 in the PVWatts weather file was cloudy and cool, did the Company make any effort to analyze or correct these discrepancies?
- f. Please provide the average hourly load profile of the RS class from April 2021 to March 2022.

- g. Please provide the average hourly load profile of residential customers with existing solar generators from April 2021 to March 2022. To the extent that the data is available, provide separately each of the following on an hourly basis:
 - i. Energy delivered from Company to the customer;
 - ii. Solar generation; and
 - iii. Energy exported from the customer to the Company
- h. Did the Company produce a COSS unit cost for energy at any higher temporal resolution (e.g., peak/off-peak, monthly, hourly) than an annual average value?
 - i. If so, please provide the COSS unit cost at the highest temporal resolution available.
 - ii. If not, please explain why not.

RESPONSE:

- a. See KYSEIA-DR-02-009 Attachment 1.
- b. See Sailers' Direct Testimony Attachment BLS-2 and the response to part a above.
- c. The Company used 80% as a common target value currently used for rooftop solar installations. No other values were considered.
- d. The Company used the typical meteorological year setting.
- e. The Company did not adjust the solar profile. Instead, the Company scaled the hourly usage profile to a weather normal use per customer value.
- f. See Direct Testimony of Bruce L. Sailers, Attachment BLS-2, and KYSEIA-DR-02-009 Attachment 2.
- g. Objection. This request is overly broad and unduly burdensome, insofar as it seeks to elicit customer-specific information that is both irrelevant and not reasonably calculated to lead to the discovery of admissible evidence. Objecting further, this

request seeks information in a form it is not kept in the ordinary course of business. Notwithstanding said objections, to the extent discoverable, and in the spirit of discovery, see the Company's response to KSES-DR-01-001 and below for aggregate data.

- i. Notwithstanding above objections, see KYSEIA-DR-02-009 Attachment 3 for aggregate RS data.
 - ii. Objection. This request is overly broad and unduly burdensome, insofar as it seeks to elicit information that is not within the Company's possession. Notwithstanding said objections, to the extent discoverable, and in the spirit of discovery, the Company does not meter the output from the customer's equipment directly. The Company meters output to the grid only, and therefore, the requested data is not available.
 - iii. Notwithstanding above objections, see the Company's response to KSES-DR-01-004 (confidential as to certain attachments).
- h. No.
- i. N/A.
 - ii. Hourly information is provided in the Direct Testimony of Bruce L. Sailers, Confidential Attachment BLS-3 for the calculation of the ACEGC.

PERSON RESPONSIBLE: Bruce L. Sailers
As to objections: Legal

PVWatts Hourly PV Performance Data

Requested Location	covington, ky	
Location	Lat, Lng: 39.09, -84.5	
Latitude (DD)	39.09	
Longitude (DD)	-84.5	
Elevation (m)	169.5	
DC System Size (kW)	7.0815	
Module Type	Standard	
Array Type	Fixed (roof mount)	
Array Tilt (deg)	20	
Array Azimuth (deg)	180	
System Losses (%)	14.08	
DC to AC Size Ratio	1.2	
Inverter Efficiency (%)	96	
Ground Coverage Ratio	NA	
Albedo	From weather file	
Bifacial	No (0)	
Monthly Irradiance Loss (%)	Jan	0
	Feb	0
	Mar	0
	Apr	0
	May	0
	June	0
	July	0
	Aug	0
	Sept	0
	Oct	0
	Nov	0
	Dec	0

1000

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	1	0	0	0	-1	0.4	0.11	0	-1	0	0	0
1	1	1	0	0	-1	0.4	0.11	0	-1	0	0	0
1	1	2	0	0	-1	0.4	0.11	0	-1	0	0	0
1	1	3	0	0	-1	0.4	0.11	0	-1	0	0	0
1	1	4	0	0	-1	0.4	0.11	0	-1	0	0	0
1	1	5	0	0	0	0.4	0.11	0	0	0	0	0
1	1	6	0	0	0	0.5	0.11	0	0	0	0	0
1	1	7	0	0	0	0.5	0.11	0	0	0	0	0
1	1	8	222	31	1	0.6	0.11	107.765	4.919	521.166	474.631	0.474631
1	1	9	522	72	3	0.6	0.11	335.32	16.242	2093.638	1991.384	1.991384
1	1	10	652	94	6	0.6	0.11	519.381	26.603	3195.233	3053.945	3.053945
1	1	11	708	107	9	0.6	0.11	639.483	34.341	3808.34	3645.327	3.645327
1	1	12	391	178	10	0.5	0.11	499.732	30.338	2993.991	2859.834	2.859834
1	1	13	679	121	10	0.5	0.11	650.866	36.529	3835.978	3671.986	3.671986
1	1	14	347	147	9	0.5	0.11	398.313	25.23	2436.68	2322.271	2.322271
1	1	15	43	110	6	0.4	0.11	139.813	11.854	867.364	808.562	0.808562
1	1	16	0	3	4	0.4	0.11	2.827	4.117	14.838	0	0
1	1	17	0	0	4	0.5	0.11	0	4	0	0	0
1	1	18	0	0	5	0.6	0.11	0	5	0	0	0
1	1	19	0	0	6	0.6	0.11	0	6	0	0	0
1	1	20	0	0	7	0.7	0.11	0	7	0	0	0
1	1	21	0	0	8	0.8	0.11	0	8	0	0	0
1	1	22	0	0	9	0.8	0.11	0	9	0	0	0
1	1	23	0	0	9	0.8	0.11	0	9	0	0	0
1	2	0	0	0	9	0.8	0.11	0	9	0	0	0
1	2	1	0	0	8	0.7	0.11	0	8	0	0	0
1	2	2	0	0	8	0.7	0.11	0	8	0	0	0
1	2	3	0	0	8	0.8	0.11	0	8	0	0	0
1	2	4	0	0	9	0.9	0.11	0	9	0	0	0
1	2	5	0	0	9	0.9	0.11	0	9	0	0	0
1	2	6	0	0	9	1	0.11	0	9	0	0	0
1	2	7	0	0	10	1.2	0.11	0	10	0	0	0
1	2	8	61	29	11	1.4	0.11	51.764	12.551	242.539	205.877	0.205877
1	2	9	549	62	12	1.6	0.11	336.783	22.371	2054.865	1953.985	1.953985
1	2	10	0	114	13	1.7	0.11	112.715	16.393	677.901	625.812	0.625812
1	2	11	0	66	14	1.7	0.11	62.506	15.879	366.318	325.27	0.32527
1	2	12	115	209	15	1.8	0.11	321.222	24.467	1935.719	1839.061	1.839061
1	2	13	0	73	16	1.9	0.11	69.159	17.993	402.834	360.492	0.360492
1	2	14	0	76	16	1.8	0.11	72.112	18.124	422.277	379.246	0.379246
1	2	15	0	65	15	1.6	0.11	62.036	16.909	363.866	322.904	0.322904
1	2	16	0	6	15	1.4	0.11	5.657	15.181	29.05	0	0
1	2	17	0	0	14	1.3	0.11	0	14	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	2	18	0	0	14	1.2	0.11	0	14	0	0	0
1	2	19	0	0	14	1.2	0.11	0	14	0	0	0
1	2	20	0	0	14	1.1	0.11	0	14	0	0	0
1	2	21	0	0	13	1	0.11	0	13	0	0	0
1	2	22	0	0	12	0.8	0.11	0	12	0	0	0
1	2	23	0	0	12	0.7	0.11	0	12	0	0	0
1	3	0	0	0	11	0.7	0.11	0	11	0	0	0
1	3	1	0	0	10	0.6	0.11	0	10	0	0	0
1	3	2	0	0	10	0.4	0.11	0	10	0	0	0
1	3	3	0	0	9	0.3	0.11	0	9	0	0	0
1	3	4	0	0	8	0.3	0.11	0	8	0	0	0
1	3	5	0	0	8	0.5	0.11	0	8	0	0	0
1	3	6	0	0	9	0.6	0.11	0	9	0	0	0
1	3	7	0	0	9	0.6	0.11	0	9	0	0	0
1	3	8	0	1	9	0.5	0.11	0.942	9.036	0	0	0
1	3	9	0	51	11	0.6	0.11	48.316	12.905	284.225	246.086	0.246086
1	3	10	0	28	13	1.1	0.11	26.463	13.915	151.39	117.958	0.117958
1	3	11	0	16	15	1.4	0.11	15.12	15.486	83.288	52.269	0.052269
1	3	12	0	39	17	1.6	0.11	36.899	18.133	208.76	173.294	0.173294
1	3	13	0	87	18	1.7	0.11	82.755	20.487	480.461	435.369	0.435369
1	3	14	0	105	18	1.7	0.11	101.992	21.069	598.218	548.952	0.548952
1	3	15	0	8	17	1.6	0.11	7.549	17.232	40.076	10.588	0.010588
1	3	16	0	8	17	1.5	0.11	7.544	17.236	38.949	9.501	0.009501
1	3	17	0	0	16	1.4	0.11	0	16	0	0	0
1	3	18	0	0	16	1.2	0.11	0	16	0	0	0
1	3	19	0	0	15	1.1	0.11	0	15	0	0	0
1	3	20	0	0	15	1.3	0.11	0	15	0	0	0
1	3	21	0	0	15	1.7	0.11	0	15	0	0	0
1	3	22	0	0	15	1.8	0.11	0	15	0	0	0
1	3	23	0	0	14	1.5	0.11	0	14	0	0	0
1	4	0	0	0	13	1.2	0.11	0	13	0	0	0
1	4	1	0	0	12	1.2	0.11	0	12	0	0	0
1	4	2	0	0	11	1.2	0.11	0	11	0	0	0
1	4	3	0	0	9	1.2	0.11	0	9	0	0	0
1	4	4	0	0	8	1.4	0.11	0	8	0	0	0
1	4	5	0	0	6	1.5	0.11	0	6	0	0	0
1	4	6	0	0	4	1.4	0.11	0	4	0	0	0
1	4	7	0	0	3	1.2	0.11	0	3	0	0	0
1	4	8	0	4	3	1.2	0.11	3.769	3.12	17.091	0	0
1	4	9	0	37	3	1.4	0.11	34.985	4.125	210.748	175.213	0.175213
1	4	10	0	27	3	1.5	0.11	25.516	3.803	152.347	118.881	0.118881
1	4	11	0	34	3	1.5	0.11	32.156	4.01	192.736	157.839	0.157839
1	4	12	2	158	2	1.5	0.11	158.238	6.969	992.004	928.785	0.928785

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	4	13	0	70	2	1.4	0.11	66.309	4.13	408.072	365.544	0.365544
1	4	14	0	103	1	1.4	0.11	99.841	4.211	625.986	575.737	0.575737
1	4	15	0	44	0	1.3	0.11	41.618	1.371	256.256	219.107	0.219107
1	4	16	0	18	0	1.2	0.11	16.995	0.57	98.648	67.085	0.067085
1	4	17	0	0	0	1	0.11	0	0	0	0	0
1	4	18	0	0	0	1	0.11	0	0	0	0	0
1	4	19	0	0	0	1	0.11	0	0	0	0	0
1	4	20	0	0	-1	1	0.11	0	-1	0	0	0
1	4	21	0	0	-1	1.1	0.11	0	-1	0	0	0
1	4	22	0	0	-1	1.1	0.11	0	-1	0	0	0
1	4	23	0	0	-2	1	0.11	0	-2	0	0	0
1	5	0	0	0	-2	1	0.11	0	-2	0	0	0
1	5	1	0	0	-2	0.9	0.11	0	-2	0	0	0
1	5	2	0	0	-3	0.8	0.11	0	-3	0	0	0
1	5	3	0	0	-3	0.7	0.11	0	-3	0	0	0
1	5	4	0	0	-3	0.6	0.11	0	-3	0	0	0
1	5	5	0	0	-4	0.5	0.11	0	-4	0	0	0
1	5	6	0	0	-5	0.4	0.11	0	-5	0	0	0
1	5	7	0	0	-4	0.5	0.11	0	-4	0	0	0
1	5	8	0	20	-3	0.6	0.11	18.909	-2.295	94.52	63.103	0.063103
1	5	9	0	81	-1	0.5	0.11	81.122	2.291	508.434	462.35	0.46235
1	5	10	0	113	0	0.2	0.11	111.515	4.96	701.254	648.337	0.648337
1	5	11	40	177	0	0.1	0.11	216.617	9.948	1363.352	1286.975	1.286975
1	5	12	26	184	1	0.3	0.11	204.687	9.812	1282.3	1208.795	1.208795
1	5	13	316	187	2	0.5	0.11	450.613	20.332	2797.458	2670.265	2.670265
1	5	14	148	171	1	0.6	0.11	289.613	12.448	1834.502	1741.431	1.741431
1	5	15	130	119	0	0.5	0.11	203.266	8.275	1299.965	1225.835	1.225835
1	5	16	42	55	-1	0.5	0.11	74.15	1.984	449.751	405.746	0.405746
1	5	17	0	0	-3	0.5	0.11	0	-3	0	0	0
1	5	18	0	0	-4	0.4	0.11	0	-4	0	0	0
1	5	19	0	0	-4	0.4	0.11	0	-4	0	0	0
1	5	20	0	0	-4	0.4	0.11	0	-4	0	0	0
1	5	21	0	0	-4	0.4	0.11	0	-4	0	0	0
1	5	22	0	0	-4	0.4	0.11	0	-4	0	0	0
1	5	23	0	0	-4	0.4	0.11	0	-4	0	0	0
1	6	0	0	0	-4	0.5	0.11	0	-4	0	0	0
1	6	1	0	0	-4	0.6	0.11	0	-4	0	0	0
1	6	2	0	0	-4	0.6	0.11	0	-4	0	0	0
1	6	3	0	0	-4	0.6	0.11	0	-4	0	0	0
1	6	4	0	0	-4	0.6	0.11	0	-4	0	0	0
1	6	5	0	0	-3	0.6	0.11	0	-3	0	0	0
1	6	6	0	0	-3	0.6	0.11	0	-3	0	0	0
1	6	7	0	0	-2	0.7	0.11	0	-2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	6	8	416	25	-1	0.9	0.11	149.172	3.944	710.086	656.857	0.656857
1	6	9	713	49	1	1.1	0.11	393.494	14.619	2480.755	2364.784	2.364784
1	6	10	833	61	3	1.2	0.11	588.264	22.968	3681.654	3523.131	3.523131
1	6	11	884	68	5	1.3	0.11	711.451	28.554	4342.702	4160.755	4.160755
1	6	12	897	72	6	1.2	0.11	764.213	31.894	4592.927	4402.114	4.402114
1	6	13	882	72	6	1.1	0.11	738.822	31.659	4448.75	4263.045	4.263045
1	6	14	836	69	6	0.9	0.11	644.007	29.553	3923.488	3756.396	3.756396
1	6	15	743	60	4	0.6	0.11	475.857	22.891	2974.478	2841.012	2.841012
1	6	16	545	41	1	0.4	0.11	255.724	11.526	1519.563	1437.65	1.43765
1	6	17	0	0	0	0.5	0.11	0	0	0	0	0
1	6	18	0	0	0	0.5	0.11	0	0	0	0	0
1	6	19	0	0	0	0.6	0.11	0	0	0	0	0
1	6	20	0	0	0	0.6	0.11	0	0	0	0	0
1	6	21	0	0	-1	0.6	0.11	0	-1	0	0	0
1	6	22	0	0	0	0.6	0.11	0	0	0	0	0
1	6	23	0	0	0	0.6	0.11	0	0	0	0	0
1	7	0	0	0	0	0.6	0.11	0	0	0	0	0
1	7	1	0	0	0	0.7	0.11	0	0	0	0	0
1	7	2	0	0	0	0.6	0.11	0	0	0	0	0
1	7	3	0	0	0	0.6	0.11	0	0	0	0	0
1	7	4	0	0	0	0.5	0.11	0	0	0	0	0
1	7	5	0	0	-1	0.5	0.11	0	-1	0	0	0
1	7	6	0	0	-2	0.5	0.11	0	-2	0	0	0
1	7	7	0	0	-1	0.6	0.11	0	-1	0	0	0
1	7	8	395	26	0	0.8	0.11	147.575	5.035	704.206	651.185	0.651185
1	7	9	714	51	1	1	0.11	396.036	15.054	2493.078	2376.671	2.376671
1	7	10	847	63	3	1.2	0.11	599.373	23.344	3745.939	3585.138	3.585138
1	7	11	916	68	4	1.4	0.11	734.749	27.765	4497.926	4310.478	4.310478
1	7	12	947	67	4	1.3	0.11	796.728	30.361	4816.224	4617.498	4.617498
1	7	13	945	65	4	1.2	0.11	777.996	30.369	4708.026	4513.134	4.513134
1	7	14	909	61	4	1	0.11	679.589	28.227	4164.018	3988.403	3.988403
1	7	15	827	53	2	0.6	0.11	514.267	22.42	3225.618	3083.254	3.083254
1	7	16	644	37	-1	0.4	0.11	285.779	10.765	1708.419	1619.815	1.619815
1	7	17	0	0	-3	0.4	0.11	0	0	0	0	0
1	7	18	0	0	-3	0.4	0.11	0	-3	0	0	0
1	7	19	0	0	-3	0.5	0.11	0	-3	0	0	0
1	7	20	0	0	-3	0.7	0.11	0	-3	0	0	0
1	7	21	0	0	-2	0.8	0.11	0	-2	0	0	0
1	7	22	0	0	-1	0.6	0.11	0	-1	0	0	0
1	7	23	0	0	-1	0.5	0.11	0	-1	0	0	0
1	8	0	0	0	-2	0.6	0.11	0	-2	0	0	0
1	8	1	0	0	-3	0.5	0.11	0	-3	0	0	0
1	8	2	0	0	-3	0.3	0.11	0	-3	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	8	3	0	0	-3	0.4	0.11	0	-3	0	0	0
1	8	4	0	0	-3	0.4	0.11	0	-3	0	0	0
1	8	5	0	0	-3	0.4	0.11	0	-3	0	0	0
1	8	6	0	0	-3	0.5	0.11	0	-3	0	0	0
1	8	7	0	0	-2	0.6	0.11	0	-2	0	0	0
1	8	8	56	29	-1	0.7	0.11	50.022	0.794	248.531	211.657	0.211657
1	8	9	169	91	0	0.7	0.11	186.738	7.167	1185.096	1115.036	1.115036
1	8	10	107	151	1	0.7	0.11	234.793	10.027	1493.418	1412.432	1.412432
1	8	11	270	185	2	0.8	0.11	408.151	17.274	2559.067	2440.321	2.440321
1	8	12	13	174	3	0.7	0.11	183.655	10.035	1144.105	1075.497	1.075497
1	8	13	108	206	3	0.6	0.11	300.974	14.876	1878.669	1784.032	1.784032
1	8	14	129	175	2	0.5	0.11	282.211	13.475	1777.327	1686.282	1.686282
1	8	15	0	20	1	0.5	0.11	18.889	1.767	112.482	80.428	0.080428
1	8	16	0	2	0	0.4	0.11	1.885	0.078	9.997	0	0
1	8	17	0	0	0	0.4	0.11	0	0	0	0	0
1	8	18	0	0	0	0.5	0.11	0	0	0	0	0
1	8	19	0	0	0	0.5	0.12	0	0	0	0	0
1	8	20	0	0	0	0.6	0.12	0	0	0	0	0
1	8	21	0	0	0	0.6	0.12	0	0	0	0	0
1	8	22	0	0	0	0.7	0.12	0	0	0	0	0
1	8	23	0	0	0	0.6	0.12	0	0	0	0	0
1	9	0	0	0	-1	0.6	0.12	0	-1	0	0	0
1	9	1	0	0	-1	0.6	0.12	0	-1	0	0	0
1	9	2	0	0	-1	0.6	0.12	0	-1	0	0	0
1	9	3	0	0	0	0.6	0.12	0	0	0	0	0
1	9	4	0	0	0	0.7	0.12	0	0	0	0	0
1	9	5	0	0	0	0.7	0.12	0	0	0	0	0
1	9	6	0	0	0	0.7	0.12	0	0	0	0	0
1	9	7	0	0	0	0.7	0.12	0	0	0	0	0
1	9	8	0	14	2	0.8	0.12	13.224	2.469	64.608	34.25	0.03425
1	9	9	0	58	3	0.8	0.12	55.613	5.075	339.983	299.869	0.299869
1	9	10	0	100	4	0.7	0.12	97.391	7.736	602.825	553.397	0.553397
1	9	11	0	38	5	0.6	0.12	35.958	6.417	214.2	178.542	0.178542
1	9	12	0	111	6	0.5	0.12	106.949	10.333	652.433	601.247	0.601247
1	9	13	18	176	7	0.5	0.12	189.792	14.695	1163.929	1094.618	1.094618
1	9	14	0	91	7	0.4	0.12	87.229	10.645	530.187	483.333	0.483333
1	9	15	0	60	6	0.4	0.12	56.826	8.377	344.208	303.944	0.303944
1	9	16	259	71	4	0.6	0.12	183.652	11.168	1101.64	1034.537	1.034537
1	9	17	0	0	3	0.7	0.12	0	0	0	0	0
1	9	18	0	0	3	0.5	0.12	0	3	0	0	0
1	9	19	0	0	3	0.4	0.12	0	3	0	0	0
1	9	20	0	0	3	0.4	0.12	0	3	0	0	0
1	9	21	0	0	2	0.4	0.12	0	2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	9	22	0	0	3	0.5	0.12	0	3	0	0	0
1	9	23	0	0	4	0.7	0.12	0	4	0	0	0
1	10	0	0	0	4	0.8	0.12	0	4	0	0	0
1	10	1	0	0	4	0.8	0.12	0	4	0	0	0
1	10	2	0	0	4	0.8	0.12	0	4	0	0	0
1	10	3	0	0	4	0.9	0.12	0	4	0	0	0
1	10	4	0	0	5	1.1	0.12	0	5	0	0	0
1	10	5	0	0	6	1.2	0.12	0	6	0	0	0
1	10	6	0	0	7	1.2	0.12	0	7	0	0	0
1	10	7	0	0	8	1.5	0.12	0	8	0	0	0
1	10	8	0	1	8	1.9	0.12	0.942	8.026	0	0	0
1	10	9	617	60	8	2.1	0.12	364.596	18.115	2265.546	2157.2	2.1572
1	10	10	0	96	8	2.1	0.12	93.12	10.58	568.965	520.736	0.520736
1	10	11	0	43	8	2.2	0.12	40.698	9.104	240.898	204.294	0.204294
1	10	12	802	99	9	2.2	0.12	734.822	29.045	4456.427	4270.45	4.27045
1	10	13	866	76	10	2.2	0.12	743.73	30.298	4496.973	4309.559	4.309559
1	10	14	850	66	10	2.1	0.12	657.022	28.307	4020.174	3849.655	3.849655
1	10	15	777	56	9	1.8	0.12	496.796	23.732	3098.41	2960.553	2.960553
1	10	16	598	39	8	1.4	0.12	275.864	16.761	1624.322	1538.698	1.538698
1	10	17	0	0	6	1.1	0.12	0	0	0	0	0
1	10	18	0	0	6	1.1	0.12	0	6	0	0	0
1	10	19	0	0	6	1.1	0.12	0	6	0	0	0
1	10	20	0	0	6	1.2	0.12	0	6	0	0	0
1	10	21	0	0	6	1.2	0.12	0	6	0	0	0
1	10	22	0	0	6	1.2	0.12	0	6	0	0	0
1	10	23	0	0	6	1.5	0.12	0	6	0	0	0
1	11	0	0	0	7	1.6	0.12	0	7	0	0	0
1	11	1	0	0	7	1.6	0.12	0	7	0	0	0
1	11	2	0	0	7	1.6	0.12	0	7	0	0	0
1	11	3	0	0	6	1.5	0.12	0	6	0	0	0
1	11	4	0	0	5	1.4	0.12	0	5	0	0	0
1	11	5	0	0	5	1.5	0.12	0	5	0	0	0
1	11	6	0	0	4	1.6	0.12	0	4	0	0	0
1	11	7	0	0	3	1.6	0.12	0	3	0	0	0
1	11	8	440	26	3	1.8	0.12	156.016	7.222	750.116	695.469	0.695469
1	11	9	728	52	3	2.1	0.12	403.758	14.203	2551.801	2433.313	2.433313
1	11	10	825	68	3	2.2	0.12	593.725	19.23	3765.381	3603.891	3.603891
1	11	11	853	82	3	2.1	0.12	715.589	22.924	4455.108	4269.178	4.269178
1	11	12	863	89	4	2	0.12	770.873	25.882	4732.201	4536.453	4.536453
1	11	13	865	86	4	1.9	0.12	756.488	25.922	4647.832	4455.072	4.455072
1	11	14	839	77	4	1.6	0.12	664.55	24.552	4121.771	3947.652	3.947652
1	11	15	763	64	3	1.2	0.12	500.236	19.981	3162.836	3022.697	3.022697
1	11	16	588	43	1	0.7	0.12	277.787	11.527	1673.551	1586.183	1.586183

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	11	17	0	0	0	0.5	0.12	0	0	0	0	0
1	11	18	0	0	0	0.5	0.12	0	0	0	0	0
1	11	19	0	0	0	0.6	0.12	0	0	0	0	0
1	11	20	0	0	0	0.5	0.12	0	0	0	0	0
1	11	21	0	0	0	0.4	0.12	0	0	0	0	0
1	11	22	0	0	-1	0.4	0.12	0	-1	0	0	0
1	11	23	0	0	-2	0.4	0.12	0	-2	0	0	0
1	12	0	0	0	-1	0.6	0.12	0	-1	0	0	0
1	12	1	0	0	-1	0.7	0.12	0	-1	0	0	0
1	12	2	0	0	0	0.4	0.12	0	0	0	0	0
1	12	3	0	0	0	0.3	0.12	0	0	0	0	0
1	12	4	0	0	-1	0.6	0.12	0	-1	0	0	0
1	12	5	0	0	-2	0.6	0.12	0	-2	0	0	0
1	12	6	0	0	-3	0.4	0.12	0	-3	0	0	0
1	12	7	0	0	-2	0.5	0.12	0	-2	0	0	0
1	12	8	435	25	0	0.7	0.12	154.046	5.443	750.591	695.927	0.695927
1	12	9	723	48	1	0.9	0.12	397.257	15.468	2499.15	2382.527	2.382527
1	12	10	840	59	4	1	0.12	592.874	25.144	3679.471	3521.025	3.521025
1	12	11	658	107	6	1	0.12	610.157	27.717	3722.171	3562.212	3.562212
1	12	12	555	150	7	0.9	0.12	607.79	29.168	3669.768	3511.666	3.511666
1	12	13	586	136	8	0.8	0.12	611.185	30.896	3670.938	3512.794	3.512794
1	12	14	409	150	8	0.7	0.12	460.234	25.719	2814.69	2686.887	2.686887
1	12	15	344	111	6	0.5	0.12	326.799	19.327	2042.597	1942.152	1.942152
1	12	16	592	42	3	0.5	0.12	279.884	14.23	1673.313	1585.953	1.585953
1	12	17	0	0	2	0.7	0.12	0	0	0	0	0
1	12	18	0	0	3	0.8	0.12	0	3	0	0	0
1	12	19	0	0	5	0.7	0.12	0	5	0	0	0
1	12	20	0	0	7	0.8	0.12	0	7	0	0	0
1	12	21	0	0	9	1.2	0.12	0	9	0	0	0
1	12	22	0	0	11	1.7	0.12	0	11	0	0	0
1	12	23	0	0	12	1.9	0.12	0	12	0	0	0
1	13	0	0	0	12	1.7	0.12	0	12	0	0	0
1	13	1	0	0	11	1.4	0.12	0	11	0	0	0
1	13	2	0	0	10	1.4	0.12	0	10	0	0	0
1	13	3	0	0	8	1.5	0.12	0	8	0	0	0
1	13	4	0	0	5	1.6	0.12	0	5	0	0	0
1	13	5	0	0	3	1.5	0.12	0	3	0	0	0
1	13	6	0	0	1	1.5	0.12	0	1	0	0	0
1	13	7	0	0	1	1.6	0.12	0	1	0	0	0
1	13	8	350	29	1	1.9	0.12	138.614	4.709	687.805	635.365	0.635365
1	13	9	57	93	1	2.2	0.12	125.33	4.406	792.91	736.746	0.736746
1	13	10	47	148	1	2.2	0.12	186.128	6.063	1189.157	1118.952	1.118952
1	13	11	18	170	1	2.1	0.12	183.258	6.074	1161.378	1092.158	1.092158

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	13	12	107	219	1	1.9	0.12	316.598	10.133	2009.354	1910.087	1.910087
1	13	13	88	210	2	1.8	0.12	290.8	10.566	1839.158	1745.922	1.745922
1	13	14	6	148	1	1.6	0.12	151.475	5.657	956.868	894.895	0.894895
1	13	15	0	64	0	1.5	0.12	60.639	1.908	377.925	336.466	0.336466
1	13	16	0	15	0	1.2	0.12	14.161	0.476	82.447	51.457	0.051457
1	13	17	0	0	0	1.1	0.12	0	0	0	0	0
1	13	18	0	0	0	1	0.12	0	0	0	0	0
1	13	19	0	0	-1	1	0.12	0	-1	0	0	0
1	13	20	0	0	-2	0.9	0.12	0	-2	0	0	0
1	13	21	0	0	-3	0.7	0.12	0	-3	0	0	0
1	13	22	0	0	-4	0.6	0.12	0	-4	0	0	0
1	13	23	0	0	-5	0.6	0.12	0	-5	0	0	0
1	14	0	0	0	-5	0.5	0.12	0	-5	0	0	0
1	14	1	0	0	-6	0.5	0.12	0	-6	0	0	0
1	14	2	0	0	-6	0.5	0.12	0	-6	0	0	0
1	14	3	0	0	-6	0.4	0.12	0	-6	0	0	0
1	14	4	0	0	-6	0.3	0.12	0	-6	0	0	0
1	14	5	0	0	-6	0.3	0.12	0	-6	0	0	0
1	14	6	0	0	-6	0.4	0.12	0	-6	0	0	0
1	14	7	0	0	-6	0.5	0.12	0	-6	0	0	0
1	14	8	434	27	-5	0.7	0.12	155.607	0.531	785.527	729.624	0.729624
1	14	9	727	53	-3	0.7	0.12	405.195	12.57	2578.439	2459.007	2.459007
1	14	10	845	67	-1	0.8	0.12	606.835	21.796	3812.165	3649.017	3.649017
1	14	11	900	74	0	0.7	0.12	743.075	28.644	4527.382	4338.891	4.338891
1	14	12	915	79	0	0.6	0.12	797.49	31.588	4790.198	4592.394	4.592394
1	14	13	538	151	0	0.5	0.12	590.618	24.047	3636.161	3479.249	3.479249
1	14	14	808	89	0	0.4	0.12	663.128	27.865	4057.271	3885.438	3.885438
1	14	15	380	109	0	0.2	0.12	345.95	15.458	2198.287	2092.325	2.092325
1	14	16	460	61	-1	0.3	0.12	255.381	9.904	1560.83	1477.456	1.477456
1	14	17	0	0	-2	0.4	0.12	0	0	0	0	0
1	14	18	0	0	-2	0.4	0.12	0	-2	0	0	0
1	14	19	0	0	-2	0.6	0.12	0	-2	0	0	0
1	14	20	0	0	-2	0.6	0.12	0	-2	0	0	0
1	14	21	0	0	-3	0.6	0.12	0	-3	0	0	0
1	14	22	0	0	-3	0.7	0.12	0	-3	0	0	0
1	14	23	0	0	-3	0.7	0.12	0	-3	0	0	0
1	15	0	0	0	-3	0.7	0.12	0	-3	0	0	0
1	15	1	0	0	-3	0.7	0.12	0	-3	0	0	0
1	15	2	0	0	-3	0.7	0.12	0	-3	0	0	0
1	15	3	0	0	-4	0.7	0.12	0	-4	0	0	0
1	15	4	0	0	-4	0.8	0.12	0	-4	0	0	0
1	15	5	0	0	-4	0.9	0.12	0	-4	0	0	0
1	15	6	0	0	-3	0.9	0.12	0	-3	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	15	7	0	0	-2	0.9	0.12	0	-2	0	0	0
1	15	8	167	30	-1	1.1	0.12	90.244	1.935	464.8	420.262	0.420262
1	15	9	155	95	1	1.2	0.12	178.311	7.019	1131.874	1063.699	1.063699
1	15	10	355	136	3	1.4	0.12	376.519	15.166	2393.096	2280.231	2.280231
1	15	11	509	147	5	1.4	0.12	547.107	22.664	3388.882	3240.733	3.240733
1	15	12	386	193	6	1.4	0.12	519.924	22.762	3200.216	3058.752	3.058752
1	15	13	99	215	6	1.2	0.12	304.917	16.283	1890.022	1794.983	1.794983
1	15	14	26	165	6	1	0.12	183.558	12.505	1138.299	1069.897	1.069897
1	15	15	454	100	5	0.8	0.12	377.39	19.164	2372.808	2260.662	2.260662
1	15	16	236	64	3	0.8	0.12	174.352	9.462	1063.334	997.588	0.997588
1	15	17	0	0	2	0.8	0.12	0	0	0	0	0
1	15	18	0	0	2	0.9	0.12	0	2	0	0	0
1	15	19	0	0	2	1	0.12	0	2	0	0	0
1	15	20	0	0	3	1.2	0.12	0	3	0	0	0
1	15	21	0	0	4	1.4	0.12	0	4	0	0	0
1	15	22	0	0	5	1.4	0.12	0	5	0	0	0
1	15	23	0	0	5	1.4	0.12	0	5	0	0	0
1	16	0	0	0	6	1.6	0.12	0	6	0	0	0
1	16	1	0	0	6	1.6	0.12	0	6	0	0	0
1	16	2	0	0	6	1.5	0.12	0	6	0	0	0
1	16	3	0	0	6	1.4	0.12	0	6	0	0	0
1	16	4	0	0	5	1.2	0.12	0	5	0	0	0
1	16	5	0	0	5	1.2	0.12	0	5	0	0	0
1	16	6	0	0	5	1.1	0.12	0	5	0	0	0
1	16	7	0	0	5	1	0.12	0	5	0	0	0
1	16	8	215	34	6	1	0.12	108.034	9.605	544.478	497.117	0.497117
1	16	9	106	97	7	1	0.12	158.209	12.611	978.899	916.145	0.916145
1	16	10	361	136	8	1.2	0.12	389.472	21.191	2420.958	2307.105	2.307105
1	16	11	191	202	8	1.4	0.12	363.227	19.702	2243.604	2136.036	2.136036
1	16	12	248	218	7	1.6	0.12	444.504	20.685	2741.15	2615.952	2.615952
1	16	13	347	196	6	1.7	0.12	490.007	20.775	3035.575	2899.944	2.899944
1	16	14	216	183	4	1.6	0.12	351.723	14.842	2218.043	2111.381	2.111381
1	16	15	61	131	3	1.4	0.12	173.294	8.586	1097.234	1030.287	1.030287
1	16	16	124	69	2	1.2	0.12	126.325	6.236	776.277	720.702	0.720702
1	16	17	0	0	0	1.1	0.12	0	0	0	0	0
1	16	18	0	0	0	1	0.12	0	0	0	0	0
1	16	19	0	0	0	1	0.12	0	0	0	0	0
1	16	20	0	0	-1	1.1	0.12	0	-1	0	0	0
1	16	21	0	0	-2	1	0.12	0	-2	0	0	0
1	16	22	0	0	-3	1	0.12	0	-3	0	0	0
1	16	23	0	0	-3	1	0.12	0	-3	0	0	0
1	17	0	0	0	-4	1	0.12	0	-4	0	0	0
1	17	1	0	0	-4	0.9	0.12	0	-4	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	17	2	0	0	-5	0.9	0.12	0	-5	0	0	0
1	17	3	0	0	-5	1	0.12	0	-5	0	0	0
1	17	4	0	0	-5	1	0.12	0	-5	0	0	0
1	17	5	0	0	-5	1.1	0.12	0	-5	0	0	0
1	17	6	0	0	-6	1.1	0.12	0	-6	0	0	0
1	17	7	0	0	-5	1.1	0.12	0	-5	0	0	0
1	17	8	262	35	-4	1.2	0.12	121.734	-0.131	641.19	590.402	0.590402
1	17	9	578	72	-3	1.3	0.12	361.46	8.925	2326.924	2216.404	2.216404
1	17	10	717	92	-2	1.3	0.12	562.401	16.626	3592.126	3436.775	3.436775
1	17	11	564	136	0	1.2	0.12	575.365	19.477	3610.096	3454.108	3.454108
1	17	12	769	119	0	1.2	0.12	746.632	25.27	4582.874	4392.417	4.392417
1	17	13	203	218	0	1.2	0.12	397.298	13.411	2510.99	2393.948	2.393948
1	17	14	73	184	0	1.2	0.12	246.247	8.31	1568.233	1484.596	1.484596
1	17	15	0	114	0	1	0.12	113.409	4.021	716.702	663.239	0.663239
1	17	16	0	59	0	0.8	0.12	58.215	2.168	357.57	316.832	0.316832
1	17	17	0	4	-1	0.7	0.12	3.879	-0.872	14.2	0	0
1	17	18	0	0	-2	0.7	0.12	0	-2	0	0	0
1	17	19	0	0	-2	0.8	0.12	0	-2	0	0	0
1	17	20	0	0	-2	1.1	0.12	0	-2	0	0	0
1	17	21	0	0	-3	1.2	0.12	0	-3	0	0	0
1	17	22	0	0	-3	1.3	0.12	0	-3	0	0	0
1	17	23	0	0	-3	1.3	0.12	0	-3	0	0	0
1	18	0	0	0	-3	1.2	0.12	0	-3	0	0	0
1	18	1	0	0	-3	1	0.12	0	-3	0	0	0
1	18	2	0	0	-2	0.9	0.12	0	-2	0	0	0
1	18	3	0	0	-2	0.8	0.12	0	-2	0	0	0
1	18	4	0	0	-2	0.6	0.12	0	-2	0	0	0
1	18	5	0	0	-3	0.5	0.12	0	-3	0	0	0
1	18	6	0	0	-3	0.5	0.12	0	-3	0	0	0
1	18	7	0	0	-3	0.5	0.12	0	-3	0	0	0
1	18	8	104	39	-2	0.6	0.12	80.099	1.017	430.781	387.449	0.387449
1	18	9	406	101	-1	0.7	0.12	313.28	11.036	1993.829	1895.111	1.895111
1	18	10	0	92	0	0.7	0.12	88.612	3.399	555.52	507.768	0.507768
1	18	11	0	133	0	0.8	0.12	129.975	4.845	816.4	759.403	0.759403
1	18	12	13	182	0	0.9	0.12	191.465	6.949	1205.752	1134.96	1.13496
1	18	13	0	150	1	1	0.12	147.32	6.21	922.233	861.486	0.861486
1	18	14	0	97	0	1.1	0.12	93.032	3.212	582.537	533.828	0.533828
1	18	15	0	45	0	1	0.12	42.58	1.51	262.172	224.814	0.224814
1	18	16	0	10	0	0.8	0.12	9.436	0.351	54.283	24.292	0.024292
1	18	17	0	0	0	0.7	0.12	0	0	0	0	0
1	18	18	0	0	-1	0.8	0.12	0	-1	0	0	0
1	18	19	0	0	-1	0.9	0.12	0	-1	0	0	0
1	18	20	0	0	-1	0.9	0.12	0	-1	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	18	21	0	0	-1	0.9	0.12	0	-1	0	0	0
1	18	22	0	0	-1	0.9	0.12	0	-1	0	0	0
1	18	23	0	0	-2	0.8	0.12	0	-2	0	0	0
1	19	0	0	0	-3	0.8	0.12	0	-3	0	0	0
1	19	1	0	0	-3	0.9	0.12	0	-3	0	0	0
1	19	2	0	0	-3	0.8	0.12	0	-3	0	0	0
1	19	3	0	0	-4	0.7	0.12	0	-4	0	0	0
1	19	4	0	0	-4	0.7	0.12	0	-4	0	0	0
1	19	5	0	0	-4	0.6	0.12	0	-4	0	0	0
1	19	6	0	0	-4	0.3	0.12	0	-4	0	0	0
1	19	7	0	0	-4	0.2	0.12	0	-4	0	0	0
1	19	8	432	29	-2	0.2	0.12	160.862	4.727	834.744	777.098	0.777098
1	19	9	41	96	-1	0.2	0.12	120.734	4.371	763.576	708.452	0.708452
1	19	10	377	137	0	0.2	0.12	401.523	17.928	2527.911	2410.269	2.410269
1	19	11	143	208	0	0.3	0.12	335.961	14.488	2107.557	2004.81	2.00481
1	19	12	96	227	0	0.5	0.12	317.319	12.871	1990.094	1891.509	1.891509
1	19	13	140	225	1	0.6	0.12	358.229	15.13	2239.078	2131.671	2.131671
1	19	14	14	162	0	0.5	0.12	171.494	6.956	1081.642	1015.247	1.015247
1	19	15	294	128	0	0.3	0.12	315.715	13.663	2010.62	1911.308	1.911308
1	19	16	0	45	0	0.4	0.12	42.715	1.782	260.117	222.832	0.222832
1	19	17	0	4	0	0.5	0.12	3.879	0.136	14.128	0	0
1	19	18	0	0	-1	0.6	0.12	0	-1	0	0	0
1	19	19	0	0	-1	0.6	0.87	0	-1	0	0	0
1	19	20	0	0	-1	0.6	0.87	0	-1	0	0	0
1	19	21	0	0	-2	0.7	0.87	0	-2	0	0	0
1	19	22	0	0	-2	0.6	0.87	0	-2	0	0	0
1	19	23	0	0	-1	0.5	0.87	0	-1	0	0	0
1	20	0	0	0	-1	0.3	0.87	0	-1	0	0	0
1	20	1	0	0	-1	0.7	0.87	0	-1	0	0	0
1	20	2	0	0	-1	1.2	0.87	0	-1	0	0	0
1	20	3	0	0	-1	1.5	0.87	0	-1	0	0	0
1	20	4	0	0	-2	1.6	0.87	0	-2	0	0	0
1	20	5	0	0	-2	1.7	0.87	0	-2	0	0	0
1	20	6	0	0	-2	1.7	0.87	0	-2	0	0	0
1	20	7	0	0	-3	1.7	0.87	0	-3	0	0	0
1	20	8	0	25	-3	1.9	0.87	24.312	-2.319	133.596	100.794	0.100794
1	20	9	24	95	-3	2	0.87	113.757	0.211	724.293	670.56	0.67056
1	20	10	63	158	-3	2.1	0.87	211.021	2.844	1360.379	1284.107	1.284107
1	20	11	292	196	-3	2.1	0.87	447.314	9.398	2869.205	2739.47	2.73947
1	20	12	210	229	-3	2	0.87	426.08	9.03	2719.006	2594.593	2.594593
1	20	13	266	217	-3	2	0.87	463.534	10.096	2957.252	2824.397	2.824397
1	20	14	264	186	-3	1.9	0.87	406.221	8.729	2611.623	2491.015	2.491015
1	20	15	157	141	-4	1.7	0.87	250.896	3.562	1632.014	1546.117	1.546117

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	20	16	152	75	-5	1.5	0.87	152.86	-0.219	968.598	906.209	0.906209
1	20	17	0	17	-6	1.3	0.87	16.487	-5.532	65.648	35.254	0.035254
1	20	18	0	0	-7	1.3	0.87	0	-7	0	0	0
1	20	19	0	0	-7	1.3	0.87	0	-7	0	0	0
1	20	20	0	0	-9	1.2	0.87	0	-9	0	0	0
1	20	21	0	0	-10	1.1	0.87	0	-10	0	0	0
1	20	22	0	0	-11	1	0.87	0	-11	0	0	0
1	20	23	0	0	-12	1	0.87	0	-12	0	0	0
1	21	0	0	0	-12	1.1	0.87	0	-12	0	0	0
1	21	1	0	0	-13	1.1	0.87	0	-13	0	0	0
1	21	2	0	0	-14	1.1	0.87	0	-14	0	0	0
1	21	3	0	0	-14	1.2	0.87	0	-14	0	0	0
1	21	4	0	0	-14	1.2	0.87	0	-14	0	0	0
1	21	5	0	0	-14	1.1	0.87	0	-14	0	0	0
1	21	6	0	0	-14	1.1	0.87	0	-14	0	0	0
1	21	7	0	0	-14	1.1	0.87	0	-14	0	0	0
1	21	8	450	33	-13	1.2	0.87	171.799	-7.525	947.061	885.435	0.885435
1	21	9	743	65	-11	1.3	0.87	438.241	3.451	2879.05	2748.966	2.748966
1	21	10	860	86	-9	1.4	0.87	654.049	12.139	4229.292	4051.363	4.051363
1	21	11	916	97	-8	1.4	0.87	803.647	17.935	5056.993	4849.735	4.849735
1	21	12	943	99	-6	1.4	0.87	874.557	22.203	5397.964	5178.624	5.178624
1	21	13	939	97	-6	1.4	0.87	858.546	21.691	5313.903	5097.542	5.097542
1	21	14	906	90	-6	1.2	0.87	758.401	19.671	4753.558	4557.053	4.557053
1	21	15	824	78	-6	1.1	0.87	579.009	14.112	3723.558	3563.55	3.56355
1	21	16	651	57	-8	0.9	0.87	341.049	4.316	2158.85	2054.285	2.054285
1	21	17	194	16	-9	0.7	0.87	53.417	-7.407	184.674	150.062	0.150062
1	21	18	0	0	-10	0.5	0.87	0	-10	0	0	0
1	21	19	0	0	-11	0.5	0.87	0	-11	0	0	0
1	21	20	0	0	-11	0.5	0.87	0	-11	0	0	0
1	21	21	0	0	-11	0.5	0.87	0	-11	0	0	0
1	21	22	0	0	-11	0.5	0.87	0	-11	0	0	0
1	21	23	0	0	-11	0.5	0.87	0	-11	0	0	0
1	22	0	0	0	-11	0.5	0.87	0	-11	0	0	0
1	22	1	0	0	-11	0.4	0.87	0	-11	0	0	0
1	22	2	0	0	-11	0.4	0.87	0	-11	0	0	0
1	22	3	0	0	-10	0.5	0.87	0	-10	0	0	0
1	22	4	0	0	-9	0.6	0.87	0	-9	0	0	0
1	22	5	0	0	-9	0.7	0.87	0	-9	0	0	0
1	22	6	0	0	-9	0.7	0.87	0	-9	0	0	0
1	22	7	0	0	-8	0.7	0.87	0	-8	0	0	0
1	22	8	0	32	-7	0.8	0.87	32.499	-5.817	185.695	151.047	0.151047
1	22	9	75	102	-6	0.9	0.87	146.068	-0.693	942.797	881.322	0.881322
1	22	10	57	159	-4	1	0.87	208.134	3.372	1337.718	1262.249	1.262249

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	22	11	50	198	-3	1	0.87	251.478	5.891	1598.711	1513.994	1.513994
1	22	12	13	187	-2	1.1	0.87	200.805	4.912	1265.475	1192.566	1.192566
1	22	13	22	194	-2	1.2	0.87	215.77	5.251	1362.865	1286.505	1.286505
1	22	14	111	198	-2	1.2	0.87	303.801	8.237	1933.759	1837.17	1.83717
1	22	15	173	144	-2	1.1	0.87	264.154	7.144	1698.756	1610.494	1.610494
1	22	16	115	79	-2	0.9	0.87	137.642	2.982	861.997	803.385	0.803385
1	22	17	0	9	-3	0.7	0.87	8.729	-2.711	33.415	4.163	0.004163
1	22	18	0	0	-3	0.7	0.87	0	-3	0	0	0
1	22	19	0	0	-4	0.7	0.87	0	-4	0	0	0
1	22	20	0	0	-4	0.7	0.87	0	-4	0	0	0
1	22	21	0	0	-4	0.6	0.87	0	-4	0	0	0
1	22	22	0	0	-4	0.6	0.87	0	-4	0	0	0
1	22	23	0	0	-4	0.5	0.87	0	-4	0	0	0
1	23	0	0	0	-4	0.4	0.87	0	-4	0	0	0
1	23	1	0	0	-4	0.4	0.87	0	-4	0	0	0
1	23	2	0	0	-4	0.4	0.87	0	-4	0	0	0
1	23	3	0	0	-4	0.4	0.87	0	-4	0	0	0
1	23	4	0	0	-4	0.4	0.87	0	-4	0	0	0
1	23	5	0	0	-4	0.3	0.87	0	-4	0	0	0
1	23	6	0	0	-4	0.3	0.87	0	-4	0	0	0
1	23	7	0	0	-4	0.4	0.87	0	-4	0	0	0
1	23	8	204	46	-3	0.3	0.87	120.194	1.969	662.932	611.373	0.611373
1	23	9	0	61	-1	0.4	0.87	59.633	1.488	368.748	327.613	0.327613
1	23	10	0	113	0	0.5	0.87	112.856	4.571	704.462	651.432	0.651432
1	23	11	0	142	1	0.6	0.87	142.271	6.59	882.791	823.442	0.823442
1	23	12	28	205	1	0.6	0.87	232.639	10.141	1445.417	1366.132	1.366132
1	23	13	20	194	2	0.7	0.87	214.078	10.181	1326.762	1251.681	1.251681
1	23	14	19	171	2	0.7	0.87	188.348	9.205	1172.176	1102.573	1.102573
1	23	15	68	144	1	0.6	0.87	195.707	8.72	1234.369	1162.562	1.162562
1	23	16	499	76	0	0.5	0.87	301.771	12.181	1861.019	1767.007	1.767007
1	23	17	107	19	0	0.4	0.87	47.028	1.595	167.89	133.873	0.133873
1	23	18	0	0	-1	0.6	0.87	0	-1	0	0	0
1	23	19	0	0	-1	0.8	0.87	0	-1	0	0	0
1	23	20	0	0	-2	0.9	0.87	0	-2	0	0	0
1	23	21	0	0	-3	0.9	0.87	0	-3	0	0	0
1	23	22	0	0	-4	1	0.87	0	-4	0	0	0
1	23	23	0	0	-6	1.1	0.87	0	-6	0	0	0
1	24	0	0	0	-7	1.1	0.87	0	-7	0	0	0
1	24	1	0	0	-8	1.1	0.87	0	-8	0	0	0
1	24	2	0	0	-9	1	0.87	0	-9	0	0	0
1	24	3	0	0	-10	1	0.87	0	-10	0	0	0
1	24	4	0	0	-11	1	0.87	0	-11	0	0	0
1	24	5	0	0	-12	1	0.87	0	-12	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	24	6	0	0	-13	1	0.87	0	-13	0	0	0
1	24	7	0	0	-13	0.9	0.87	0	-13	0	0	0
1	24	8	496	33	-11	0.9	0.87	181.796	-4.724	1008.225	944.432	0.944432
1	24	9	779	62	-9	1	0.87	451.782	7.038	2937.03	2804.892	2.804892
1	24	10	896	79	-8	0.9	0.87	673.479	16.6	4285.56	4105.638	4.105638
1	24	11	951	88	-6	0.8	0.87	825.095	24.896	5058.331	4851.027	4.851027
1	24	12	972	91	-5	0.6	0.87	895.164	30.385	5354.468	5136.67	5.13667
1	24	13	970	90	-4	0.5	0.87	882.314	31.896	5251.333	5037.189	5.037189
1	24	14	939	84	-4	0.6	0.87	782.851	26.984	4772.294	4575.125	4.575125
1	24	15	870	72	-4	0.8	0.87	606.637	18.762	3836.812	3672.79	3.67279
1	24	16	725	52	-6	0.9	0.87	368.803	7.336	2324.379	2213.949	2.213949
1	24	17	328	18	-8	0.9	0.87	90.53	-5.439	317.026	277.724	0.277724
1	24	18	0	0	-9	0.8	0.87	0	-9	0	0	0
1	24	19	0	0	-10	0.6	0.87	0	-10	0	0	0
1	24	20	0	0	-10	0.5	0.87	0	-10	0	0	0
1	24	21	0	0	-11	0.3	0.87	0	-11	0	0	0
1	24	22	0	0	-11	0.3	0.87	0	-11	0	0	0
1	24	23	0	0	-11	0.4	0.87	0	-11	0	0	0
1	25	0	0	0	-12	0.7	0.87	0	-12	0	0	0
1	25	1	0	0	-12	0.8	0.87	0	-12	0	0	0
1	25	2	0	0	-12	0.7	0.87	0	-12	0	0	0
1	25	3	0	0	-12	0.6	0.87	0	-12	0	0	0
1	25	4	0	0	-12	0.4	0.87	0	-12	0	0	0
1	25	5	0	0	-12	0.4	0.87	0	-12	0	0	0
1	25	6	0	0	-12	0.4	0.87	0	-12	0	0	0
1	25	7	0	0	-11	0.3	0.87	0	-11	0	0	0
1	25	8	20	35	-10	0.3	0.87	43.154	-8.187	251.839	214.847	0.214847
1	25	9	51	103	-8	0.4	0.87	135.422	-2.343	877.184	818.034	0.818034
1	25	10	189	168	-5	0.6	0.87	310.616	7.263	1999.491	1900.574	1.900574
1	25	11	807	131	-3	0.9	0.87	772.985	25.173	4725.457	4529.947	4.529947
1	25	12	627	143	-3	1.2	0.87	686.542	20.182	4258.255	4079.3	4.0793
1	25	13	69	227	-3	1.3	0.87	301.219	6.89	1911.698	1815.891	1.815891
1	25	14	255	197	-4	1.4	0.87	415.578	9.374	2661.602	2539.223	2.539223
1	25	15	179	149	-4	1.4	0.87	274.375	4.841	1780.19	1689.043	1.689043
1	25	16	334	109	-5	1.2	0.87	271.556	4.121	1729.152	1639.813	1.639813
1	25	17	0	22	-5	1.1	0.87	22.621	-4.329	89.987	58.731	0.058731
1	25	18	0	0	-5	1.1	0.87	0	-5	0	0	0
1	25	19	0	0	-5	1.2	0.87	0	-5	0	0	0
1	25	20	0	0	-5	1.3	0.87	0	-5	0	0	0
1	25	21	0	0	-5	1.4	0.87	0	-5	0	0	0
1	25	22	0	0	-5	1.4	0.87	0	-5	0	0	0
1	25	23	0	0	-6	1.4	0.87	0	-6	0	0	0
1	26	0	0	0	-7	1.3	0.87	0	-7	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	26	1	0	0	-8	1.2	0.87	0	-8	0	0	0
1	26	2	0	0	-9	1.1	0.87	0	-9	0	0	0
1	26	3	0	0	-10	1.1	0.87	0	-10	0	0	0
1	26	4	0	0	-11	1.1	0.87	0	-11	0	0	0
1	26	5	0	0	-12	1.1	0.87	0	-12	0	0	0
1	26	6	0	0	-12	1.1	0.87	0	-12	0	0	0
1	26	7	0	0	-12	1.1	0.87	0	-12	0	0	0
1	26	8	476	36	-10	1.2	0.87	183.834	-4.082	1034.068	969.359	0.969359
1	26	9	764	66	-8	1.5	0.87	451.14	6.216	2944.06	2811.672	2.811672
1	26	10	884	83	-6	1.6	0.87	673.697	14.811	4312.195	4131.329	4.131329
1	26	11	938	94	-5	1.6	0.87	826.611	20.495	5146.755	4936.317	4.936317
1	26	12	957	100	-5	1.7	0.87	898.698	22.098	5539.905	5315.536	5.315536
1	26	13	951	100	-5	1.7	0.87	884.41	21.671	5464.527	5242.829	5.242829
1	26	14	920	93	-5	1.6	0.87	785.055	19.223	4920.607	4718.183	4.718183
1	26	15	854	79	-5	1.5	0.87	610.129	14.281	3919.445	3752.496	3.752496
1	26	16	711	57	-7	1.2	0.87	372.335	5.501	2371.03	2258.947	2.258947
1	26	17	331	20	-9	1	0.87	95.556	-6.346	340.498	300.364	0.300364
1	26	18	0	0	-10	0.9	0.87	0	-10	0	0	0
1	26	19	0	0	-11	0.9	0.87	0	-11	0	0	0
1	26	20	0	0	-12	0.8	0.87	0	-12	0	0	0
1	26	21	0	0	-13	0.8	0.87	0	-13	0	0	0
1	26	22	0	0	-13	0.8	0.87	0	-13	0	0	0
1	26	23	0	0	-14	0.8	0.87	0	-14	0	0	0
1	27	0	0	0	-14	0.9	0.87	0	-14	0	0	0
1	27	1	0	0	-14	0.9	0.87	0	-14	0	0	0
1	27	2	0	0	-15	0.9	0.87	0	-15	0	0	0
1	27	3	0	0	-15	0.8	0.87	0	-15	0	0	0
1	27	4	0	0	-15	0.8	0.87	0	-15	0	0	0
1	27	5	0	0	-16	0.8	0.87	0	-16	0	0	0
1	27	6	0	0	-16	0.8	0.87	0	-16	0	0	0
1	27	7	0	0	-15	0.8	0.87	0	-15	0	0	0
1	27	8	503	36	-13	0.8	0.87	191.897	-6.154	1092.956	1026.16	1.02616
1	27	9	786	66	-11	0.8	0.87	462.921	6.32	3022.614	2887.443	2.887443
1	27	10	905	83	-9	0.8	0.87	688.907	16.831	4376.923	4193.763	4.193763
1	27	11	963	91	-8	0.8	0.87	844.126	23.602	5194.475	4982.347	4.982347
1	27	12	987	94	-7	0.8	0.87	918.326	27.352	5549.584	5324.872	5.324872
1	27	13	987	91	-6	0.8	0.87	905.191	27.866	5464.263	5242.574	5.242574
1	27	14	960	84	-6	0.9	0.87	806.316	23.414	4976.33	4771.931	4.771931
1	27	15	895	73	-6	0.8	0.87	630.398	17.65	4001.849	3831.98	3.83198
1	27	16	756	54	-8	0.7	0.87	390.306	6.91	2478.784	2362.882	2.362882
1	27	17	376	21	-11	0.5	0.87	107.33	-7.587	385.614	343.882	0.343882
1	27	18	0	0	-12	0.5	0.87	0	-12	0	0	0
1	27	19	0	0	-13	0.6	0.87	0	-13	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	27	20	0	0	-14	0.7	0.87	0	-14	0	0	0
1	27	21	0	0	-14	0.8	0.87	0	-14	0	0	0
1	27	22	0	0	-15	0.9	0.87	0	-15	0	0	0
1	27	23	0	0	-15	0.9	0.87	0	-15	0	0	0
1	28	0	0	0	-15	0.8	0.87	0	-15	0	0	0
1	28	1	0	0	-15	0.6	0.87	0	-15	0	0	0
1	28	2	0	0	-15	0.5	0.87	0	-15	0	0	0
1	28	3	0	0	-15	0.4	0.87	0	-15	0	0	0
1	28	4	0	0	-15	0.5	0.87	0	-15	0	0	0
1	28	5	0	0	-15	0.6	0.87	0	-15	0	0	0
1	28	6	0	0	-15	0.5	0.87	0	-15	0	0	0
1	28	7	0	0	-14	0.5	0.87	0	-14	0	0	0
1	28	8	197	38	-13	0.5	0.87	108.594	-8.743	634.849	584.286	0.584286
1	28	9	632	57	-10	0.6	0.87	382.537	5.122	2502.737	2385.987	2.385987
1	28	10	474	131	-8	0.8	0.87	468.174	9.529	3031.053	2895.582	2.895582
1	28	11	312	205	-7	0.9	0.87	476.495	10.326	3043.584	2907.67	2.90767
1	28	12	834	85	-5	1	0.87	786.87	22.937	4840.397	4640.815	4.640815
1	28	13	832	84	-4	1	0.87	776.139	23.56	4766.476	4569.513	4.569513
1	28	14	708	100	-3	1	0.87	647.991	20.026	4044.482	3873.102	3.873102
1	28	15	868	78	-3	0.9	0.87	622.518	19.744	3919.557	3752.603	3.752603
1	28	16	723	58	-5	0.6	0.87	382.651	10.037	2406.384	2293.048	2.293048
1	28	17	344	23	-7	0.4	0.87	105.875	-3.501	380.082	338.546	0.338546
1	28	18	0	0	-8	0.5	0.87	0	-8	0	0	0
1	28	19	0	0	-9	0.6	0.87	0	-9	0	0	0
1	28	20	0	0	-9	0.7	0.87	0	-9	0	0	0
1	28	21	0	0	-9	0.8	0.87	0	-9	0	0	0
1	28	22	0	0	-8	0.9	0.87	0	-8	0	0	0
1	28	23	0	0	-8	0.9	0.87	0	-8	0	0	0
1	29	0	0	0	-8	1	0.87	0	-8	0	0	0
1	29	1	0	0	-8	0.9	0.87	0	-8	0	0	0
1	29	2	0	0	-8	0.9	0.87	0	-8	0	0	0
1	29	3	0	0	-8	1	0.87	0	-8	0	0	0
1	29	4	0	0	-8	1.1	0.87	0	-8	0	0	0
1	29	5	0	0	-8	1	0.87	0	-8	0	0	0
1	29	6	0	0	-9	1	0.87	0	-9	0	0	0
1	29	7	0	0	-8	1.1	0.87	0	-8	0	0	0
1	29	8	83	40	-7	1.3	0.87	70.061	-4.755	407.856	365.336	0.365336
1	29	9	657	78	-5	1.4	0.87	419.622	8.531	2715.792	2591.492	2.591492
1	29	10	0	115	-3	1.3	0.87	114.49	0.761	724.571	670.829	0.670829
1	29	11	10	177	-1	1.2	0.87	187.217	5.29	1176.982	1107.209	1.107209
1	29	12	9	188	0	1.1	0.87	197.822	6.805	1234.489	1162.678	1.162678
1	29	13	148	245	0	1	0.87	396.206	14.008	2469.427	2353.857	2.353857
1	29	14	0	101	-1	0.9	0.87	98.954	2.584	615.855	565.965	0.565965

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	29	15	81	156	-1	0.8	0.87	217.207	7.109	1381.605	1304.581	1.304581
1	29	16	322	78	-1	0.8	0.87	237.092	7.826	1491.526	1410.608	1.410608
1	29	17	60	24	-1	0.8	0.87	43.307	0.347	162.745	128.91	0.12891
1	29	18	0	0	-2	0.7	0.87	0	-2	0	0	0
1	29	19	0	0	-2	0.7	0.87	0	-2	0	0	0
1	29	20	0	0	-2	0.7	0.87	0	-2	0	0	0
1	29	21	0	0	-2	0.8	0.87	0	-2	0	0	0
1	29	22	0	0	-2	0.9	0.87	0	-2	0	0	0
1	29	23	0	0	-1	0.9	0.87	0	-1	0	0	0
1	30	0	0	0	-1	0.8	0.87	0	-1	0	0	0
1	30	1	0	0	-1	0.7	0.87	0	-1	0	0	0
1	30	2	0	0	-1	0.6	0.87	0	-1	0	0	0
1	30	3	0	0	-1	0.5	0.87	0	-1	0	0	0
1	30	4	0	0	-2	0.4	0.87	0	-2	0	0	0
1	30	5	0	0	-2	0.4	0.87	0	-2	0	0	0
1	30	6	0	0	-3	0.4	0.87	0	-3	0	0	0
1	30	7	0	0	-2	0.5	0.87	0	-2	0	0	0
1	30	8	0	6	-1	0.7	0.87	5.794	-0.781	31.3	2.123	0.002123
1	30	9	0	59	0	0.9	0.87	57.254	2.079	352.974	312.398	0.312398
1	30	10	20	156	0	1.1	0.87	172.193	5.94	1085.103	1018.585	1.018585
1	30	11	76	219	0	1.2	0.87	294.91	9.921	1853.242	1759.506	1.759506
1	30	12	270	241	0	1.4	0.87	502.869	16.155	3129.936	2990.962	2.990962
1	30	13	258	239	0	1.4	0.87	488.399	15.691	3044.712	2908.758	2.908758
1	30	14	29	190	0	1.3	0.87	224.879	7.384	1414.755	1336.557	1.336557
1	30	15	196	158	0	1.1	0.87	296.597	10.265	1889.021	1794.018	1.794018
1	30	16	9	85	-1	0.9	0.87	90.597	2.287	565.929	517.808	0.517808
1	30	17	0	14	-2	0.8	0.87	13.545	-1.566	52.16	22.244	0.022244
1	30	18	0	0	-3	0.8	0.87	0	-3	0	0	0
1	30	19	0	0	-4	0.9	0.87	0	-4	0	0	0
1	30	20	0	0	-4	0.9	0.87	0	-4	0	0	0
1	30	21	0	0	-4	1	0.87	0	-4	0	0	0
1	30	22	0	0	-4	1.1	0.87	0	-4	0	0	0
1	30	23	0	0	-4	1.2	0.87	0	-4	0	0	0
1	31	0	0	0	-4	1.2	0.87	0	-4	0	0	0
1	31	1	0	0	-4	1.2	0.87	0	-4	0	0	0
1	31	2	0	0	-4	1.2	0.87	0	-4	0	0	0
1	31	3	0	0	-4	1.2	0.87	0	-4	0	0	0
1	31	4	0	0	-4	1.2	0.87	0	-4	0	0	0
1	31	5	0	0	-5	1.2	0.87	0	-5	0	0	0
1	31	6	0	0	-5	1.1	0.87	0	-5	0	0	0
1	31	7	0	0	-4	1.1	0.87	0	-4	0	0	0
1	31	8	0	17	-3	1.2	0.87	16.442	-2.453	93.85	62.457	0.062457
1	31	9	32	108	-2	1.3	0.87	131.152	2.316	834.275	776.645	0.776645

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
1	31	10	117	179	-1	1.4	0.87	277.769	7.935	1771.176	1680.348	1.680348
1	31	11	203	227	0	1.5	0.87	411.06	12.912	2584.876	2465.216	2.465216
1	31	12	290	240	0	1.6	0.87	518.473	15.924	3231.543	3088.969	3.088969
1	31	13	912	113	0	1.7	0.87	881.687	26.575	5339.076	5121.823	5.121823
1	31	14	904	97	0	1.6	0.87	791.674	24.416	4859.712	4659.445	4.659445
1	31	15	844	81	0	1.5	0.87	619.062	19.557	3897.062	3730.906	3.730906
1	31	16	695	61	-1	1.2	0.87	382.811	11.88	2402.343	2289.15	2.28915
1	31	17	333	26	-3	1	0.87	110.902	0.308	441.244	397.541	0.397541
1	31	18	0	0	-4	1	0.87	0	-4	0	0	0
1	31	19	0	0	-1	1.5	0.87	0	-1	0	0	0
1	31	20	0	0	-2	1.8	0.87	0	-2	0	0	0
1	31	21	0	0	-3	2	0.87	0	-3	0	0	0
1	31	22	0	0	-5	2.1	0.87	0	-5	0	0	0
1	31	23	0	0	-6	2.2	0.87	0	-6	0	0	0
2	1	0	0	0	-7	2.2	0.87	0	-7	0	0	0
2	1	1	0	0	-8	2.3	0.87	0	-8	0	0	0
2	1	2	0	0	-9	2.3	0.87	0	-9	0	0	0
2	1	3	0	0	-9	2.2	0.87	0	-9	0	0	0
2	1	4	0	0	-10	2.1	0.87	0	-10	0	0	0
2	1	5	0	0	-10	1.9	0.87	0	-10	0	0	0
2	1	6	0	0	-11	1.8	0.87	0	-11	0	0	0
2	1	7	0	0	-11	1.6	0.87	0	-11	0	0	0
2	1	8	526	40	-11	1.4	0.87	205.903	-4.622	1196.398	1125.937	1.125937
2	1	9	781	70	-10	1.3	0.87	471.97	5.588	3098.745	2960.877	2.960877
2	1	10	887	90	-9	1.3	0.87	694.945	13.977	4454.303	4268.401	4.268401
2	1	11	946	100	-8	1.3	0.87	853.645	20.177	5309.743	5093.529	5.093529
2	1	12	971	103	-7	1.3	0.87	929.466	23.655	5683.697	5454.233	5.454233
2	1	13	959	105	-6	1.2	0.87	913.399	24.855	5564.374	5339.138	5.339138
2	1	14	935	95	-6	1.2	0.87	815.051	21.564	5054.325	4847.162	4.847162
2	1	15	867	83	-6	1.2	0.87	637.856	15.61	4072.865	3900.48	3.90048
2	1	16	702	66	-7	1	0.87	393.351	6.911	2517.635	2400.358	2.400358
2	1	17	341	29	-8	0.6	0.87	117.041	-3.974	511.676	465.477	0.465477
2	1	18	0	0	-9	0.4	0.87	0	-9	0	0	0
2	1	19	0	0	-9	0.4	0.87	0	-9	0	0	0
2	1	20	0	0	-10	0.4	0.87	0	-10	0	0	0
2	1	21	0	0	-10	0.4	0.87	0	-10	0	0	0
2	1	22	0	0	-10	0.4	0.87	0	-10	0	0	0
2	1	23	0	0	-10	0.4	0.87	0	-10	0	0	0
2	2	0	0	0	-10	0.5	0.87	0	-10	0	0	0
2	2	1	0	0	-10	0.6	0.87	0	-10	0	0	0
2	2	2	0	0	-9	0.6	0.87	0	-9	0	0	0
2	2	3	0	0	-8	0.7	0.87	0	-8	0	0	0
2	2	4	0	0	-8	0.7	0.87	0	-8	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	2	5	0	0	-7	0.7	0.87	0	-7	0	0	0
2	2	6	0	0	-7	0.8	0.87	0	-7	0	0	0
2	2	7	0	0	-6	1	0.87	0	-6	0	0	0
2	2	8	0	36	-5	1.2	0.87	35.639	-3.813	212.2	176.613	0.176613
2	2	9	96	118	-4	1.3	0.87	180.096	1.932	1162.329	1093.075	1.093075
2	2	10	16	158	-3	1.4	0.87	171.352	2.501	1092.233	1025.463	1.025463
2	2	11	281	224	-2	1.5	0.87	478.046	13.023	3016.103	2881.162	2.881162
2	2	12	452	211	0	1.4	0.87	629.595	20.245	3879.416	3713.885	3.713885
2	2	13	326	237	0	1.3	0.87	542.763	17.853	3363.069	3215.834	3.215834
2	2	14	230	219	0	1.2	0.87	417.332	14.066	2618.681	2497.822	2.497822
2	2	15	26	152	0	1	0.87	171.385	6.065	1081.337	1014.953	1.014953
2	2	16	0	79	0	0.8	0.87	79.343	2.956	492.61	447.087	0.447087
2	2	17	0	17	0	0.6	0.87	16.453	0.608	78.682	47.826	0.047826
2	2	18	0	0	0	0.5	0.87	0	0	0	0	0
2	2	19	0	0	-1	0.4	0.87	0	-1	0	0	0
2	2	20	0	0	-1	0.6	0.87	0	-1	0	0	0
2	2	21	0	0	-1	0.7	0.87	0	-1	0	0	0
2	2	22	0	0	-1	0.7	0.87	0	-1	0	0	0
2	2	23	0	0	-1	0.7	0.87	0	-1	0	0	0
2	3	0	0	0	-2	0.7	0.87	0	-2	0	0	0
2	3	1	0	0	-2	0.8	0.87	0	-2	0	0	0
2	3	2	0	0	-3	0.8	0.87	0	-3	0	0	0
2	3	3	0	0	-3	0.9	0.87	0	-3	0	0	0
2	3	4	0	0	-4	0.8	0.87	0	-4	0	0	0
2	3	5	0	0	-4	0.7	0.87	0	-4	0	0	0
2	3	6	0	0	-5	0.7	0.87	0	-5	0	0	0
2	3	7	0	0	-5	0.9	0.87	0	-5	0	0	0
2	3	8	0	25	-4	1.2	0.87	24.203	-3.193	141.948	108.85	0.10885
2	3	9	0	53	-3	1.4	0.87	51.374	-1.35	319.853	280.451	0.280451
2	3	10	0	85	-2	1.4	0.87	82.824	0.657	517.931	471.51	0.47151
2	3	11	124	249	-2	1.4	0.87	377.313	10.111	2383.026	2270.518	2.270518
2	3	12	134	263	-2	1.5	0.87	407.818	10.785	2565.559	2446.583	2.446583
2	3	13	10	193	-2	1.5	0.87	203.527	4.369	1281.392	1207.919	1.207919
2	3	14	0	151	-2	1.6	0.87	151.203	2.631	952.671	890.846	0.890846
2	3	15	0	124	-2	1.5	0.87	124.326	1.901	786.259	730.33	0.73033
2	3	16	0	54	-2	1.2	0.87	52.364	-0.237	324.24	284.683	0.284683
2	3	17	192	38	-3	1	0.87	96.697	0.156	473.016	428.187	0.428187
2	3	18	0	0	-4	0.9	0.87	0	-4	0	0	0
2	3	19	0	0	-4	0.8	0.87	0	-4	0	0	0
2	3	20	0	0	-5	0.6	0.87	0	-5	0	0	0
2	3	21	0	0	-6	0.6	0.87	0	-6	0	0	0
2	3	22	0	0	-6	0.6	0.87	0	-6	0	0	0
2	3	23	0	0	-6	0.7	0.87	0	-6	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	4	0	0	0	-6	0.6	0.87	0	-6	0	0	0
2	4	1	0	0	-7	0.5	0.87	0	-7	0	0	0
2	4	2	0	0	-7	0.5	0.87	0	-7	0	0	0
2	4	3	0	0	-7	0.5	0.87	0	-7	0	0	0
2	4	4	0	0	-6	0.5	0.87	0	-6	0	0	0
2	4	5	0	0	-6	0.6	0.87	0	-6	0	0	0
2	4	6	0	0	-6	0.7	0.87	0	-6	0	0	0
2	4	7	0	0	-5	0.8	0.87	0	-5	0	0	0
2	4	8	13	47	-4	1	0.87	54.15	-2.106	324.737	285.162	0.285162
2	4	9	90	122	-2	1.2	0.87	181.739	4.131	1163.9	1094.59	1.09459
2	4	10	30	170	-1	1.3	0.87	201.326	5.617	1275.731	1202.459	1.202459
2	4	11	0	141	0	1.4	0.87	140.172	4.489	873.33	814.317	0.814317
2	4	12	30	228	0	1.2	0.87	269.255	9.039	1680.556	1592.939	1.592939
2	4	13	119	260	1	1	0.87	390.989	14.811	2421.042	2307.187	2.307187
2	4	14	0	86	2	0.9	0.87	83.506	5.023	510.725	464.56	0.46456
2	4	15	0	77	1	0.9	0.87	74.81	3.714	461.405	416.988	0.416988
2	4	16	0	52	0	0.9	0.87	50.41	1.829	309.221	270.196	0.270196
2	4	17	0	11	0	0.7	0.87	10.632	0.391	53.427	23.466	0.023466
2	4	18	0	0	0	0.6	0.87	0	0	0	0	0
2	4	19	0	0	0	0.7	0.87	0	0	0	0	0
2	4	20	0	0	0	0.7	0.87	0	0	0	0	0
2	4	21	0	0	0	0.6	0.87	0	0	0	0	0
2	4	22	0	0	0	0.4	0.87	0	0	0	0	0
2	4	23	0	0	0	0.3	0.87	0	0	0	0	0
2	5	0	0	0	0	0.3	0.87	0	0	0	0	0
2	5	1	0	0	0	0.3	0.87	0	0	0	0	0
2	5	2	0	0	0	0.5	0.87	0	0	0	0	0
2	5	3	0	0	0	0.6	0.87	0	0	0	0	0
2	5	4	0	0	-1	0.7	0.87	0	-1	0	0	0
2	5	5	0	0	-1	0.6	0.87	0	-1	0	0	0
2	5	6	0	0	-2	0.6	0.87	0	-2	0	0	0
2	5	7	0	0	-1	0.5	0.87	0	-1	0	0	0
2	5	8	420	50	0	0.5	0.87	188.223	7.411	1069.743	1003.77	1.00377
2	5	9	217	119	0	0.6	0.87	247.445	9.773	1572.238	1488.459	1.488459
2	5	10	79	187	1	0.7	0.87	253.683	10.72	1591.93	1507.453	1.507453
2	5	11	217	239	2	0.8	0.87	437.329	18.302	2695.067	2571.502	2.571502
2	5	12	121	266	3	0.8	0.87	400.659	17.906	2451.716	2336.774	2.336774
2	5	13	159	264	4	0.9	0.87	428.628	19.54	2615.166	2494.432	2.494432
2	5	14	10	180	4	0.8	0.87	189.808	11.058	1167.437	1098.002	1.098002
2	5	15	14	150	3	0.6	0.87	161.213	9.346	1000.765	937.235	0.937235
2	5	16	127	105	1	0.5	0.87	174.834	8.088	1096.185	1029.275	1.029275
2	5	17	34	33	0	0.5	0.87	46.915	1.82	247.32	210.489	0.210489
2	5	18	0	0	-1	0.5	0.87	0	-1	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	5	19	0	0	-1	0.5	0.87	0	-1	0	0	0
2	5	20	0	0	-1	0.5	0.87	0	-1	0	0	0
2	5	21	0	0	-1	0.5	0.87	0	-1	0	0	0
2	5	22	0	0	-1	0.5	0.87	0	-1	0	0	0
2	5	23	0	0	-1	0.5	0.87	0	-1	0	0	0
2	6	0	0	0	-1	0.6	0.87	0	-1	0	0	0
2	6	1	0	0	-1	0.5	0.87	0	-1	0	0	0
2	6	2	0	0	-1	0.4	0.87	0	-1	0	0	0
2	6	3	0	0	-1	0.4	0.87	0	-1	0	0	0
2	6	4	0	0	-1	0.5	0.87	0	-1	0	0	0
2	6	5	0	0	-1	0.5	0.87	0	-1	0	0	0
2	6	6	0	0	-1	0.6	0.87	0	-1	0	0	0
2	6	7	0	0	0	0.7	0.87	0	0	0	0	0
2	6	8	389	56	0	0.7	0.87	187.239	6.984	1074.306	1008.171	1.008171
2	6	9	0	91	1	0.6	0.87	90.725	4.573	563.626	515.587	0.515587
2	6	10	0	138	2	0.4	0.87	138.335	7.765	856.202	797.796	0.797796
2	6	11	58	229	3	0.2	0.87	291.788	15.929	1786.607	1695.233	1.695233
2	6	12	98	265	4	0.2	0.87	369.197	20.353	2231.845	2124.694	2.124694
2	6	13	132	265	5	0.2	0.87	407.657	23.067	2448.662	2333.829	2.333829
2	6	14	111	232	5	0.2	0.87	334.803	19.852	2034.902	1934.73	1.93473
2	6	15	159	177	4	0.2	0.87	297.908	17.251	1841.978	1748.642	1.748642
2	6	16	443	118	1	0.6	0.87	342.215	14.488	2136.288	2032.523	2.032523
2	6	17	144	45	0	0.7	0.87	92.216	3.361	486.479	441.173	0.441173
2	6	18	0	0	-1	0.5	0.87	0	-1	0	0	0
2	6	19	0	0	-1	0.7	0.12	0	-1	0	0	0
2	6	20	0	0	-1	0.9	0.12	0	-1	0	0	0
2	6	21	0	0	-1	0.8	0.12	0	-1	0	0	0
2	6	22	0	0	-1	0.7	0.12	0	-1	0	0	0
2	6	23	0	0	-1	0.6	0.12	0	-1	0	0	0
2	7	0	0	0	-1	0.6	0.12	0	-1	0	0	0
2	7	1	0	0	0	0.6	0.12	0	0	0	0	0
2	7	2	0	0	0	0.6	0.12	0	0	0	0	0
2	7	3	0	0	0	0.6	0.12	0	0	0	0	0
2	7	4	0	0	0	0.7	0.12	0	0	0	0	0
2	7	5	0	0	0	0.7	0.12	0	0	0	0	0
2	7	6	0	0	0	0.7	0.12	0	0	0	0	0
2	7	7	0	0	0	0.7	0.12	0	0	0	0	0
2	7	8	0	18	1	0.7	0.12	17.001	1.647	97.901	66.364	0.066364
2	7	9	42	122	3	0.8	0.12	148.249	8.542	932.153	871.055	0.871055
2	7	10	842	75	6	0.8	0.12	651.092	30.429	3941.807	3774.065	3.774065
2	7	11	894	81	8	0.8	0.12	788.405	37.533	4612.724	4421.208	4.421208
2	7	12	911	85	10	0.8	0.12	855.268	42.011	4896.626	4695.051	4.695051
2	7	13	905	85	11	0.7	0.12	843.016	43.423	4801.724	4603.512	4.603512

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	7	14	871	82	11	0.6	0.12	756.411	40.944	4371.22	4188.262	4.188262
2	7	15	805	75	9	0.5	0.12	595.92	33.319	3572.076	3417.435	3.417435
2	7	16	676	60	5	0.7	0.12	380.559	19.614	2351.126	2239.749	2.239749
2	7	17	372	31	2	0.7	0.12	131.948	6.747	669.569	617.775	0.617775
2	7	18	0	0	3	0.8	0.12	0	3	0	0	0
2	7	19	0	0	4	0.9	0.12	0	4	0	0	0
2	7	20	0	0	4	1.1	0.12	0	4	0	0	0
2	7	21	0	0	5	1.1	0.12	0	5	0	0	0
2	7	22	0	0	5	1	0.12	0	5	0	0	0
2	7	23	0	0	4	1	0.12	0	4	0	0	0
2	8	0	0	0	4	0.9	0.12	0	4	0	0	0
2	8	1	0	0	4	0.8	0.12	0	4	0	0	0
2	8	2	0	0	3	0.6	0.12	0	3	0	0	0
2	8	3	0	0	3	0.6	0.12	0	3	0	0	0
2	8	4	0	0	2	0.9	0.12	0	2	0	0	0
2	8	5	0	0	1	1.2	0.12	0	1	0	0	0
2	8	6	0	0	0	1.2	0.12	0	0	0	0	0
2	8	7	0	0	0	1.3	0.12	0	0	0	0	0
2	8	8	0	6	1	1.7	0.12	5.658	1.169	31.194	2.021	0.002021
2	8	9	0	17	2	1.9	0.12	16.059	2.464	94.677	63.254	0.063254
2	8	10	0	33	2	2	0.12	31.22	2.881	187.64	152.923	0.152923
2	8	11	0	111	3	2	0.12	106.272	5.995	656.321	604.997	0.604997
2	8	12	0	91	3	2	0.12	86.336	5.431	528.651	481.851	0.481851
2	8	13	0	122	3	1.9	0.12	117.113	6.366	722.579	668.907	0.668907
2	8	14	0	145	2	1.8	0.12	141.024	6.144	880.061	820.809	0.820809
2	8	15	0	63	2	1.6	0.12	59.674	3.834	367.223	326.143	0.326143
2	8	16	0	58	1	1.2	0.12	54.978	2.855	339.903	299.791	0.299791
2	8	17	0	14	0	0.9	0.12	13.22	0.471	72.068	41.447	0.041447
2	8	18	0	0	0	0.9	0.12	0	0	0	0	0
2	8	19	0	0	0	0.9	0.12	0	0	0	0	0
2	8	20	0	0	0	0.8	0.12	0	0	0	0	0
2	8	21	0	0	-1	0.7	0.12	0	-1	0	0	0
2	8	22	0	0	-2	0.5	0.12	0	-2	0	0	0
2	8	23	0	0	-3	0.5	0.12	0	-3	0	0	0
2	9	0	0	0	-4	0.5	0.12	0	-4	0	0	0
2	9	1	0	0	-4	0.5	0.12	0	-4	0	0	0
2	9	2	0	0	-4	0.5	0.12	0	-4	0	0	0
2	9	3	0	0	-4	0.5	0.12	0	-4	0	0	0
2	9	4	0	0	-5	0.5	0.12	0	-5	0	0	0
2	9	5	0	0	-5	0.4	0.12	0	-5	0	0	0
2	9	6	0	0	-4	0.4	0.12	0	-4	0	0	0
2	9	7	0	0	-3	0.6	0.12	0	-3	0	0	0
2	9	8	562	42	-1	0.9	0.12	223.708	6.909	1290.316	1216.527	1.216527

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	9	9	793	64	0	0.8	0.12	478.755	17.972	3036.538	2900.873	2.900873
2	9	10	890	76	1	0.8	0.12	688.47	26.829	4224.208	4046.46	4.04646
2	9	11	938	84	3	0.7	0.12	831.057	34.981	4906.413	4704.491	4.704491
2	9	12	948	90	4	0.6	0.12	897.148	39.469	5182.587	4970.879	4.970879
2	9	13	937	92	5	0.5	0.12	882.827	40.92	5073.21	4865.378	4.865378
2	9	14	891	93	4	0.5	0.12	789.238	36.143	4643.631	4451.021	4.451021
2	9	15	814	86	3	0.4	0.12	618.254	28.98	3766.166	3604.647	3.604647
2	9	16	380	92	1	0.3	0.12	283.231	13.222	1782.616	1691.383	1.691383
2	9	17	40	38	0	0.4	0.12	52.659	2.141	294.767	256.255	0.256255
2	9	18	0	0	0	0.5	0.12	0	0	0	0	0
2	9	19	0	0	-1	0.6	0.12	0	-1	0	0	0
2	9	20	0	0	-1	0.7	0.12	0	-1	0	0	0
2	9	21	0	0	-1	0.7	0.12	0	-1	0	0	0
2	9	22	0	0	-2	0.8	0.12	0	-2	0	0	0
2	9	23	0	0	-2	0.8	0.12	0	-2	0	0	0
2	10	0	0	0	-2	0.8	0.12	0	-2	0	0	0
2	10	1	0	0	-2	0.7	0.12	0	-2	0	0	0
2	10	2	0	0	-1	0.7	0.12	0	-1	0	0	0
2	10	3	0	0	-1	0.7	0.12	0	-1	0	0	0
2	10	4	0	0	0	0.7	0.12	0	0	0	0	0
2	10	5	0	0	0	0.8	0.12	0	0	0	0	0
2	10	6	0	0	0	0.8	0.12	0	0	0	0	0
2	10	7	0	0	0	0.9	0.12	0	0	0	0	0
2	10	8	43	57	2	1	0.12	72.475	4.542	431.868	388.497	0.388497
2	10	9	0	70	4	1.1	0.12	66.629	6.304	409.469	366.892	0.366892
2	10	10	16	170	7	1.4	0.12	179.308	12.764	1106.598	1039.319	1.039319
2	10	11	15	200	9	1.5	0.12	209.857	15.581	1278.322	1204.958	1.204958
2	10	12	281	268	9	1.4	0.12	539.923	26.356	3244.299	3101.273	3.101273
2	10	13	76	265	9	1.4	0.12	342.801	20.001	2081.325	1979.508	1.979508
2	10	14	0	149	9	1.6	0.12	144.972	13.446	879.794	820.551	0.820551
2	10	15	9	152	8	1.5	0.12	155.885	12.9	958.612	896.576	0.896576
2	10	16	0	45	8	1.6	0.12	42.581	9.31	253.856	216.793	0.216793
2	10	17	0	17	7	1.9	0.12	16.059	7.456	86.958	55.808	0.055808
2	10	18	0	0	7	2	0.12	0	7	0	0	0
2	10	19	0	0	7	1.9	0.12	0	7	0	0	0
2	10	20	0	0	7	1.7	0.12	0	7	0	0	0
2	10	21	0	0	7	1.6	0.12	0	7	0	0	0
2	10	22	0	0	8	1.4	0.12	0	8	0	0	0
2	10	23	0	0	8	1.3	0.12	0	8	0	0	0
2	11	0	0	0	9	1.2	0.12	0	9	0	0	0
2	11	1	0	0	9	1.1	0.12	0	9	0	0	0
2	11	2	0	0	10	1.2	0.12	0	10	0	0	0
2	11	3	0	0	10	1.3	0.12	0	10	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	11	4	0	0	9	1.3	0.12	0	9	0	0	0
2	11	5	0	0	8	1.3	0.12	0	8	0	0	0
2	11	6	0	0	7	1.4	0.12	0	7	0	0	0
2	11	7	0	0	6	1.5	0.12	0	6	0	0	0
2	11	8	566	42	6	1.8	0.12	227.215	12.521	1292.309	1218.449	1.218449
2	11	9	779	63	7	2.1	0.12	474.499	20.223	2987.556	2853.627	2.853627
2	11	10	877	75	8	2.2	0.12	683.44	26.655	4193.68	4017.013	4.017013
2	11	11	921	84	8	2.2	0.12	823.173	30.431	4943.14	4739.917	4.739917
2	11	12	935	88	8	2.3	0.12	889.592	31.759	5293.564	5077.924	5.077924
2	11	13	926	90	8	2.4	0.12	876.972	30.985	5236.795	5023.166	5.023166
2	11	14	888	89	8	2.4	0.12	787.547	28.662	4767.216	4570.227	4.570227
2	11	15	822	82	7	2.3	0.12	623.361	23.697	3872.87	3707.571	3.707571
2	11	16	694	67	6	2	0.12	403.253	17.423	2524.263	2406.751	2.406751
2	11	17	397	38	4	1.7	0.12	148.125	8.244	784.783	728.907	0.728907
2	11	18	0	0	4	1.5	0.12	0	4	0	0	0
2	11	19	0	0	3	1.4	0.12	0	3	0	0	0
2	11	20	0	0	2	1.2	0.12	0	2	0	0	0
2	11	21	0	0	1	1.1	0.12	0	1	0	0	0
2	11	22	0	0	0	1	0.12	0	0	0	0	0
2	11	23	0	0	0	0.9	0.12	0	0	0	0	0
2	12	0	0	0	-1	0.7	0.12	0	-1	0	0	0
2	12	1	0	0	-2	0.6	0.12	0	-2	0	0	0
2	12	2	0	0	-2	0.5	0.12	0	-2	0	0	0
2	12	3	0	0	-3	0.5	0.12	0	-3	0	0	0
2	12	4	0	0	-3	0.5	0.12	0	-3	0	0	0
2	12	5	0	0	-3	0.5	0.12	0	-3	0	0	0
2	12	6	0	0	-3	0.5	0.12	0	-3	0	0	0
2	12	7	0	0	-1	0.6	0.12	0	-1	0	0	0
2	12	8	585	43	0	0.8	0.12	235.312	8.567	1363.989	1287.589	1.287589
2	12	9	798	64	2	0.7	0.12	487.241	20.801	3063.958	2927.322	2.927322
2	12	10	877	79	4	0.6	0.12	690.485	31.36	4159.523	3984.066	3.984066
2	12	11	919	88	6	0.5	0.12	828.937	39.743	4797.425	4599.365	4.599365
2	12	12	933	92	7	0.5	0.12	895.359	43.416	5085.718	4877.443	4.877443
2	12	13	928	90	8	0.7	0.12	881.387	41.883	5040.869	4834.183	4.834183
2	12	14	887	89	8	0.9	0.12	789.343	36.793	4628.509	4436.435	4.436435
2	12	15	604	115	7	0.7	0.12	526.589	27.286	3213.948	3071.997	3.071997
2	12	16	571	71	5	0.6	0.12	352.919	18.951	2192.138	2086.394	2.086394
2	12	17	413	38	3	0.8	0.12	152.968	8.447	815.211	758.256	0.758256
2	12	18	0	0	1	0.6	0.12	0	1	0	0	0
2	12	19	0	0	1	0.4	0.87	0	1	0	0	0
2	12	20	0	0	0	0.4	0.87	0	0	0	0	0
2	12	21	0	0	0	0.4	0.87	0	0	0	0	0
2	12	22	0	0	0	0.4	0.87	0	0	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	12	23	0	0	-1	0.5	0.87	0	-1	0	0	0
2	13	0	0	0	-1	0.5	0.87	0	-1	0	0	0
2	13	1	0	0	-1	0.6	0.87	0	-1	0	0	0
2	13	2	0	0	-1	0.7	0.87	0	-1	0	0	0
2	13	3	0	0	-1	0.7	0.87	0	-1	0	0	0
2	13	4	0	0	-1	0.7	0.87	0	-1	0	0	0
2	13	5	0	0	-1	0.7	0.87	0	-1	0	0	0
2	13	6	0	0	-2	0.8	0.87	0	-2	0	0	0
2	13	7	0	0	-1	0.8	0.87	0	-1	0	0	0
2	13	8	209	60	0	0.9	0.87	136.037	4.859	806.222	749.587	0.749587
2	13	9	0	43	0	0.9	0.87	41.656	1.512	254.27	217.193	0.217193
2	13	10	0	32	1	0.9	0.87	31.001	2.123	185.118	150.491	0.150491
2	13	11	0	54	1	0.9	0.87	52.385	2.894	316.089	276.821	0.276821
2	13	12	14	216	1	0.9	0.87	230.467	9.33	1424.523	1345.979	1.345979
2	13	13	74	272	1	0.9	0.87	355.865	13.879	2195.329	2089.472	2.089472
2	13	14	70	240	1	0.9	0.87	312.004	12.304	1938.718	1841.953	1.841953
2	13	15	345	172	1	0.9	0.87	421.421	16.343	2642.232	2520.539	2.520539
2	13	16	604	99	1	0.6	0.87	404.691	16.978	2526.861	2409.257	2.409257
2	13	17	371	46	-1	0.4	0.87	152.726	5.115	834.729	777.083	0.777083
2	13	18	0	0	-3	0.4	0.87	0	-3	0	0	0
2	13	19	0	0	-2	0.5	0.12	0	-2	0	0	0
2	13	20	0	0	-2	0.5	0.12	0	-2	0	0	0
2	13	21	0	0	-2	0.6	0.12	0	-2	0	0	0
2	13	22	0	0	-2	0.7	0.12	0	-2	0	0	0
2	13	23	0	0	-2	0.7	0.12	0	-2	0	0	0
2	14	0	0	0	-2	0.8	0.12	0	-2	0	0	0
2	14	1	0	0	-1	0.8	0.12	0	-1	0	0	0
2	14	2	0	0	-1	0.9	0.12	0	-1	0	0	0
2	14	3	0	0	-1	0.9	0.12	0	-1	0	0	0
2	14	4	0	0	0	1	0.12	0	0	0	0	0
2	14	5	0	0	0	1	0.12	0	0	0	0	0
2	14	6	0	0	0	1	0.12	0	0	0	0	0
2	14	7	0	0	0	1	0.12	0	0	0	0	0
2	14	8	436	57	0	1.2	0.12	206.166	6.813	1218.114	1146.884	1.146884
2	14	9	0	78	2	1.5	0.12	74.526	4.345	463.343	418.857	0.418857
2	14	10	56	204	4	1.6	0.12	251.376	11.727	1574.712	1490.846	1.490846
2	14	11	335	243	6	1.7	0.12	540.419	22.264	3309.317	3163.987	3.163987
2	14	12	894	100	7	1.8	0.12	883.572	33.075	5223.348	5010.197	5.010197
2	14	13	903	95	8	1.9	0.12	871.747	33.2	5155.778	4945.02	4.94502
2	14	14	879	90	9	1.8	0.12	789.427	32.326	4707.127	4512.266	4.512266
2	14	15	819	81	9	1.5	0.12	626.925	28.813	3817.243	3653.915	3.653915
2	14	16	689	68	7	1.1	0.12	406.931	21.103	2518.942	2401.618	2.401618
2	14	17	383	42	5	0.9	0.12	150.985	10.267	812.974	756.099	0.756099

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	14	18	0	0	5	1	0.12	0	5	0	0	0
2	14	19	0	0	4	1	0.87	0	4	0	0	0
2	14	20	0	0	3	0.9	0.87	0	3	0	0	0
2	14	21	0	0	1	0.7	0.87	0	1	0	0	0
2	14	22	0	0	0	0.5	0.87	0	0	0	0	0
2	14	23	0	0	-1	0.5	0.87	0	-1	0	0	0
2	15	0	0	0	-2	0.4	0.87	0	-2	0	0	0
2	15	1	0	0	-2	0.6	0.87	0	-2	0	0	0
2	15	2	0	0	-1	0.8	0.87	0	-1	0	0	0
2	15	3	0	0	-1	0.8	0.87	0	-1	0	0	0
2	15	4	0	0	-1	0.7	0.87	0	-1	0	0	0
2	15	5	0	0	-1	0.4	0.87	0	-1	0	0	0
2	15	6	0	0	-1	0.3	0.87	0	-1	0	0	0
2	15	7	0	0	0	0.4	0.87	0	0	0	0	0
2	15	8	0	35	0	0.5	0.87	33.904	1.368	202.183	166.951	0.166951
2	15	9	0	91	1	0.7	0.87	89.784	4.438	557.452	509.631	0.509631
2	15	10	208	211	2	0.8	0.87	378.094	16.107	2351.247	2239.865	2.239865
2	15	11	43	240	3	1	0.87	290.939	13.263	1791.725	1700.169	1.700169
2	15	12	166	294	4	1.2	0.87	472.46	19.871	2871.736	2741.911	2.741911
2	15	13	634	173	4	1.5	0.87	758.708	27.844	4540.886	4351.917	4.351917
2	15	14	404	218	3	1.6	0.87	567.524	20.442	3490.004	3338.272	3.338272
2	15	15	189	196	2	1.5	0.87	340.755	12.715	2145.1	2041.023	2.041023
2	15	16	0	20	1	1.2	0.87	19.347	1.652	114.478	82.353	0.082353
2	15	17	0	7	0	0.9	0.87	6.76	0.243	36.986	7.608	0.007608
2	15	18	0	0	-1	0.8	0.87	0	-1	0	0	0
2	15	19	0	0	-2	0.7	0.87	0	-2	0	0	0
2	15	20	0	0	-3	0.5	0.87	0	-3	0	0	0
2	15	21	0	0	-4	0.5	0.87	0	-4	0	0	0
2	15	22	0	0	-5	0.5	0.87	0	-5	0	0	0
2	15	23	0	0	-5	0.5	0.87	0	-5	0	0	0
2	16	0	0	0	-5	0.4	0.87	0	-5	0	0	0
2	16	1	0	0	-5	0.4	0.87	0	-5	0	0	0
2	16	2	0	0	-5	0.3	0.87	0	-5	0	0	0
2	16	3	0	0	-4	0.3	0.87	0	-4	0	0	0
2	16	4	0	0	-4	0.4	0.87	0	-4	0	0	0
2	16	5	0	0	-4	0.3	0.87	0	-4	0	0	0
2	16	6	0	0	-4	0.3	0.87	0	-4	0	0	0
2	16	7	0	0	-3	0.4	0.87	0	0	0	0	0
2	16	8	598	51	-1	0.7	0.87	256.921	8.641	1508.572	1427.049	1.427049
2	16	9	784	82	0	1	0.87	518.348	18.455	3274.385	3130.292	3.130292
2	16	10	376	188	0	1.2	0.87	477.098	16.1	2990.928	2856.88	2.85688
2	16	11	247	263	0	1.4	0.87	493.16	15.828	3061.923	2925.359	2.925359
2	16	12	435	248	0	1.5	0.87	674.134	21.156	4117.098	3943.145	3.943145

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	16	13	426	252	0	1.6	0.87	656.435	20.149	4025.042	3854.351	3.854351
2	16	14	54	240	0	1.7	0.87	298.912	8.958	1874.785	1780.286	1.780286
2	16	15	302	189	-1	1.7	0.87	415.008	11.497	2641.458	2519.793	2.519793
2	16	16	0	58	-2	1.6	0.87	56.236	-0.273	349.833	309.369	0.309369
2	16	17	77	50	-3	1.4	0.87	76.34	-0.597	446.605	402.712	0.402712
2	16	18	0	0	-4	1.4	0.87	0	-4	0	0	0
2	16	19	0	0	-4	1.4	0.12	0	-4	0	0	0
2	16	20	0	0	-4	1.3	0.12	0	-4	0	0	0
2	16	21	0	0	-4	1.3	0.12	0	-4	0	0	0
2	16	22	0	0	-4	1.3	0.12	0	-4	0	0	0
2	16	23	0	0	-5	1.3	0.12	0	-5	0	0	0
2	17	0	0	0	-5	1.4	0.12	0	-5	0	0	0
2	17	1	0	0	-5	1.4	0.12	0	-5	0	0	0
2	17	2	0	0	-5	1.4	0.12	0	-5	0	0	0
2	17	3	0	0	-6	1.2	0.12	0	-6	0	0	0
2	17	4	0	0	-6	1	0.12	0	-6	0	0	0
2	17	5	0	0	-8	0.6	0.12	0	-8	0	0	0
2	17	6	0	0	-9	0.5	0.12	0	-9	0	0	0
2	17	7	0	0	-8	0.6	0.12	0	0	0	0	0
2	17	8	679	43	-6	0.8	0.12	270.425	3.884	1622.038	1536.495	1.536495
2	17	9	863	61	-4	0.9	0.12	528.5	15.34	3399.326	3250.806	3.250806
2	17	10	937	74	-3	0.9	0.12	734.199	23.813	4545.767	4356.625	4.356625
2	17	11	981	79	-1	0.9	0.12	881.808	31.147	5267.992	5053.258	5.053258
2	17	12	1000	80	0	0.9	0.12	952.747	34.705	5590.668	5364.501	5.364501
2	17	13	991	82	0	0.9	0.12	939.162	34.213	5524.883	5301.047	5.301047
2	17	14	966	78	0	0.9	0.12	845.115	30.821	5064.489	4856.966	4.856966
2	17	15	911	72	0	0.9	0.12	678.718	24.8	4196.271	4019.512	4.019512
2	17	16	804	59	0	0.6	0.12	454.236	17.979	2857.516	2728.195	2.728195
2	17	17	560	37	-1	0.5	0.12	192.154	6.474	1054.557	989.122	0.989122
2	17	18	0	0	-2	0.5	0.12	0	-2	0	0	0
2	17	19	0	0	-3	0.7	0.12	0	-3	0	0	0
2	17	20	0	0	-5	0.8	0.12	0	-5	0	0	0
2	17	21	0	0	-6	0.6	0.12	0	-6	0	0	0
2	17	22	0	0	-6	0.5	0.12	0	-6	0	0	0
2	17	23	0	0	-6	0.6	0.12	0	-6	0	0	0
2	18	0	0	0	-6	0.6	0.12	0	-6	0	0	0
2	18	1	0	0	-6	0.7	0.12	0	-6	0	0	0
2	18	2	0	0	-6	0.8	0.12	0	-6	0	0	0
2	18	3	0	0	-6	0.8	0.12	0	-6	0	0	0
2	18	4	0	0	-5	0.9	0.12	0	-5	0	0	0
2	18	5	0	0	-5	0.9	0.12	0	-5	0	0	0
2	18	6	0	0	-5	1	0.12	0	-5	0	0	0
2	18	7	0	0	-4	1.2	0.12	0	0	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	18	8	414	65	-1	1.3	0.12	211.116	5.84	1270.55	1197.462	1.197462
2	18	9	464	112	2	1.5	0.12	376.409	13.896	2409.526	2296.079	2.296079
2	18	10	402	188	6	1.6	0.12	497.286	21.326	3075.791	2938.735	2.938735
2	18	11	576	181	9	1.7	0.12	678.475	29.439	4062.895	3890.863	3.890863
2	18	12	499	229	10	1.7	0.12	698.935	31.027	4139.098	3964.366	3.964366
2	18	13	334	275	11	1.6	0.12	594.854	29.274	3533.669	3380.389	3.380389
2	18	14	646	150	11	1.5	0.12	688.371	32.687	4081.982	3909.273	3.909273
2	18	15	677	104	10	1.3	0.12	571.111	28.886	3464.479	3313.651	3.313651
2	18	16	606	73	9	1.3	0.12	379.339	21.535	2346.738	2235.516	2.235516
2	18	17	435	43	7	1.4	0.12	168.591	12.227	917.247	856.677	0.856677
2	18	18	0	0	6	1.4	0.12	0	6	0	0	0
2	18	19	0	0	5	1.3	0.12	0	5	0	0	0
2	18	20	0	0	5	1.4	0.12	0	5	0	0	0
2	18	21	0	0	5	1.8	0.12	0	5	0	0	0
2	18	22	0	0	6	2.2	0.12	0	6	0	0	0
2	18	23	0	0	5	2.4	0.12	0	5	0	0	0
2	19	0	0	0	4	2.4	0.12	0	4	0	0	0
2	19	1	0	0	4	2.5	0.12	0	4	0	0	0
2	19	2	0	0	5	2.5	0.12	0	5	0	0	0
2	19	3	0	0	5	2.1	0.12	0	5	0	0	0
2	19	4	0	0	3	1.9	0.12	0	3	0	0	0
2	19	5	0	0	1	1.8	0.12	0	1	0	0	0
2	19	6	0	0	-1	1.6	0.12	0	-1	0	0	0
2	19	7	0	0	-1	1.6	0.12	0	0	0	0	0
2	19	8	0	14	0	1.8	0.12	13.216	0.388	77.116	46.316	0.046316
2	19	9	0	69	0	2	0.12	65.374	1.848	408.141	365.611	0.365611
2	19	10	0	64	0	2.1	0.12	60.639	1.676	374.444	333.108	0.333108
2	19	11	3	178	1	2.2	0.12	176.174	5.767	1103.186	1036.028	1.036028
2	19	12	113	302	1	2.3	0.12	416.073	12.053	2605.779	2485.378	2.485378
2	19	13	0	144	1	2.3	0.12	138.794	4.681	863.475	804.811	0.804811
2	19	14	31	229	1	2.2	0.12	261.796	8.091	1649.208	1562.702	1.562702
2	19	15	30	184	0	2.1	0.12	209.637	5.803	1334.616	1259.257	1.259257
2	19	16	0	90	0	2	0.12	86.975	2.46	548	500.515	0.500515
2	19	17	0	6	0	1.8	0.12	5.658	0.165	31.291	2.115	0.002115
2	19	18	0	0	-1	1.6	0.12	0	-1	0	0	0
2	19	19	0	0	-2	1.6	0.12	0	-2	0	0	0
2	19	20	0	0	-3	1.6	0.12	0	-3	0	0	0
2	19	21	0	0	-3	1.6	0.12	0	-3	0	0	0
2	19	22	0	0	-4	1.6	0.12	0	-4	0	0	0
2	19	23	0	0	-4	1.6	0.12	0	-4	0	0	0
2	20	0	0	0	-4	1.6	0.12	0	-4	0	0	0
2	20	1	0	0	-5	1.6	0.12	0	-5	0	0	0
2	20	2	0	0	-5	1.5	0.12	0	-5	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	20	3	0	0	-5	1.5	0.12	0	-5	0	0	0
2	20	4	0	0	-5	1.5	0.12	0	-5	0	0	0
2	20	5	0	0	-5	1.4	0.12	0	-5	0	0	0
2	20	6	0	0	-6	1.4	0.12	0	-6	0	0	0
2	20	7	0	0	-5	1.4	0.12	0	0	0	0	0
2	20	8	143	78	-4	1.4	0.12	131.023	0.177	814.478	757.55	0.75755
2	20	9	20	138	-3	1.4	0.12	146.977	1.732	945.372	883.805	0.883805
2	20	10	269	216	-2	1.4	0.12	429.408	11.829	2734.308	2609.353	2.609353
2	20	11	931	100	-1	1.4	0.12	880.212	27.378	5324.23	5107.503	5.107503
2	20	12	947	104	0	1.4	0.12	943.691	30.401	5621.021	5393.778	5.393778
2	20	13	949	101	0	1.4	0.12	933.815	30.087	5572.848	5347.312	5.347312
2	20	14	704	134	0	1.4	0.12	719.681	23.198	4425.381	4240.504	4.240504
2	20	15	615	123	0	1.3	0.12	554.609	18.331	3493.607	3341.747	3.341747
2	20	16	741	76	-1	1.1	0.12	449.786	14.605	2867.846	2738.159	2.738159
2	20	17	53	56	-2	0.8	0.12	75.007	0.762	448.86	404.887	0.404887
2	20	18	0	0	-3	0.7	0.12	0	-3	0	0	0
2	20	19	0	0	-3	0.7	0.12	0	-3	0	0	0
2	20	20	0	0	-4	0.7	0.12	0	-4	0	0	0
2	20	21	0	0	-4	0.7	0.12	0	-4	0	0	0
2	20	22	0	0	-4	0.8	0.12	0	-4	0	0	0
2	20	23	0	0	-4	0.9	0.12	0	-4	0	0	0
2	21	0	0	0	-4	0.8	0.12	0	-4	0	0	0
2	21	1	0	0	-5	0.7	0.12	0	-5	0	0	0
2	21	2	0	0	-5	0.7	0.12	0	-5	0	0	0
2	21	3	0	0	-5	0.6	0.12	0	-5	0	0	0
2	21	4	0	0	-6	0.6	0.12	0	-6	0	0	0
2	21	5	0	0	-7	0.5	0.12	0	-7	0	0	0
2	21	6	0	0	-7	0.5	0.12	0	-7	0	0	0
2	21	7	0	0	-6	0.7	0.12	0	0	0	0	0
2	21	8	0	42	-4	0.8	0.12	39.751	-2.519	245.941	209.158	0.209158
2	21	9	0	116	-2	0.9	0.12	112.943	2.107	717.763	664.262	0.664262
2	21	10	276	218	0	0.9	0.12	437.07	15.907	2742.111	2616.879	2.616879
2	21	11	916	97	0	0.9	0.12	867.443	31.604	5162.805	4951.799	4.951799
2	21	12	940	96	1	1	0.12	931.355	34.048	5470.873	5248.95	5.24895
2	21	13	916	103	2	1.1	0.12	910.481	33.509	5362.328	5144.251	5.144251
2	21	14	656	152	2	1.2	0.12	703.567	25.766	4280.021	4100.295	4.100295
2	21	15	272	200	1	1.3	0.12	402.68	14.282	2544.664	2426.428	2.426428
2	21	16	23	124	0	1.2	0.12	133.556	4.508	848.227	790.102	0.790102
2	21	17	26	55	0	1.2	0.12	63.371	2.116	379.804	338.278	0.338278
2	21	18	0	0	0	1.3	0.12	0	0	0	0	0
2	21	19	0	0	0	1	0.12	0	0	0	0	0
2	21	20	0	0	0	0.9	0.12	0	0	0	0	0
2	21	21	0	0	-1	1.2	0.12	0	-1	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	21	22	0	0	-1	1.4	0.12	0	-1	0	0	0
2	21	23	0	0	-1	1.7	0.12	0	-1	0	0	0
2	22	0	0	0	-1	1.7	0.12	0	-1	0	0	0
2	22	1	0	0	-1	1.4	0.12	0	-1	0	0	0
2	22	2	0	0	0	1.4	0.12	0	0	0	0	0
2	22	3	0	0	0	1.6	0.12	0	0	0	0	0
2	22	4	0	0	0	1.4	0.12	0	0	0	0	0
2	22	5	0	0	0	1.3	0.12	0	0	0	0	0
2	22	6	0	0	1	1.3	0.12	0	1	0	0	0
2	22	7	10	7	1	1.2	0.12	7.822	1.22	27.305	0	0
2	22	8	0	5	2	1.2	0.12	4.716	2.159	26.169	0	0
2	22	9	0	45	2	1.2	0.12	42.583	3.436	259.706	222.436	0.222436
2	22	10	0	147	3	1.1	0.12	142.704	7.92	885.479	826.035	0.826035
2	22	11	0	138	4	1.1	0.12	132.819	8.571	814.348	757.424	0.757424
2	22	12	11	219	5	1.1	0.12	224.874	12.734	1376.705	1299.855	1.299855
2	22	13	5	193	5	1.1	0.12	192.759	11.629	1179.642	1109.774	1.109774
2	22	14	0	93	5	1	0.12	88.282	8.116	535.306	488.27	0.48827
2	22	15	0	124	4	0.7	0.12	119.601	8.58	737.717	683.509	0.683509
2	22	16	0	82	3	0.5	0.12	78.559	6.19	485.903	440.617	0.440617
2	22	17	317	62	1	0.4	0.12	159.167	7.48	911.749	851.374	0.851374
2	22	18	0	0	0	0.4	0.12	0	0	0	0	0
2	22	19	0	0	0	0.4	0.12	0	0	0	0	0
2	22	20	0	0	0	0.5	0.12	0	0	0	0	0
2	22	21	0	0	-1	0.5	0.12	0	-1	0	0	0
2	22	22	0	0	-1	0.4	0.12	0	-1	0	0	0
2	22	23	0	0	0	0.4	0.12	0	0	0	0	0
2	23	0	0	0	0	0.5	0.12	0	0	0	0	0
2	23	1	0	0	0	0.6	0.12	0	0	0	0	0
2	23	2	0	0	0	0.5	0.12	0	0	0	0	0
2	23	3	0	0	-1	0.5	0.12	0	-1	0	0	0
2	23	4	0	0	-1	0.5	0.12	0	-1	0	0	0
2	23	5	0	0	-2	0.5	0.12	0	-2	0	0	0
2	23	6	0	0	-2	0.5	0.12	0	-2	0	0	0
2	23	7	0	3	-1	0.7	0.12	2.91	-0.904	10.512	0	0
2	23	8	0	51	0	0.8	0.12	48.572	1.811	298.163	259.53	0.25953
2	23	9	735	88	1	0.9	0.12	506.138	19.506	3194.964	3053.686	3.053686
2	23	10	844	97	3	0.9	0.12	716.013	29.125	4331.363	4149.818	4.149818
2	23	11	901	101	4	0.8	0.12	865.352	36.364	5051.989	4844.909	4.844909
2	23	12	925	102	5	0.8	0.12	930.71	39.782	5340.828	5123.513	5.123513
2	23	13	923	100	6	0.8	0.12	918.337	40.325	5262.226	5047.697	5.047697
2	23	14	894	97	6	0.8	0.12	830.978	37.091	4846.857	4647.045	4.647045
2	23	15	832	90	5	0.7	0.12	663.996	30.575	4004.497	3834.533	3.834533
2	23	16	709	77	3	0.5	0.12	439.916	20.93	2742.836	2617.578	2.617578

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	23	17	470	49	0	0.4	0.12	187.959	7.614	1063.651	997.894	0.997894
2	23	18	0	0	-1	0.5	0.12	0	-1	0	0	0
2	23	19	0	0	-2	0.5	0.12	0	-2	0	0	0
2	23	20	0	0	-2	0.5	0.12	0	-2	0	0	0
2	23	21	0	0	-1	0.5	0.12	0	-1	0	0	0
2	23	22	0	0	-1	0.5	0.12	0	-1	0	0	0
2	23	23	0	0	-1	0.4	0.12	0	-1	0	0	0
2	24	0	0	0	-2	0.4	0.12	0	-2	0	0	0
2	24	1	0	0	-3	0.5	0.12	0	-3	0	0	0
2	24	2	0	0	-3	0.6	0.12	0	-3	0	0	0
2	24	3	0	0	-3	0.6	0.12	0	-3	0	0	0
2	24	4	0	0	-3	0.5	0.12	0	-3	0	0	0
2	24	5	0	0	-3	0.4	0.12	0	-3	0	0	0
2	24	6	0	0	-3	0.4	0.12	0	-3	0	0	0
2	24	7	88	14	-2	0.5	0.12	23.087	-1.284	73.262	42.598	0.042598
2	24	8	549	65	0	0.7	0.12	264.135	9.999	1592.073	1507.591	1.507591
2	24	9	741	90	1	0.8	0.12	513.776	20.286	3233.358	3090.719	3.090719
2	24	10	852	98	2	0.9	0.12	725.396	28.465	4397.498	4213.61	4.21361
2	24	11	872	116	3	1	0.12	861.103	33.563	5078.258	4870.247	4.870247
2	24	12	884	122	4	1.1	0.12	926.721	36.052	5391.007	5171.914	5.171914
2	24	13	891	117	5	1.1	0.12	918.898	36.787	5334.172	5117.093	5.117093
2	24	14	865	110	5	1	0.12	824.838	34.289	4860.534	4660.238	4.660238
2	24	15	802	101	4	0.9	0.12	657.93	28.017	4003.639	3833.706	3.833706
2	24	16	717	77	2	0.6	0.12	445.205	19.635	2791.16	2664.19	2.66419
2	24	17	479	50	0	0.5	0.12	192.203	7.566	1091.735	1024.982	1.024982
2	24	18	0	0	-1	0.5	0.12	0	-1	0	0	0
2	24	19	0	0	-2	0.4	0.12	0	-2	0	0	0
2	24	20	0	0	-2	0.4	0.12	0	-2	0	0	0
2	24	21	0	0	-2	0.4	0.12	0	-2	0	0	0
2	24	22	0	0	-2	0.4	0.12	0	-2	0	0	0
2	24	23	0	0	-2	0.4	0.12	0	-2	0	0	0
2	25	0	0	0	-2	0.4	0.12	0	-2	0	0	0
2	25	1	0	0	-2	0.5	0.12	0	-2	0	0	0
2	25	2	0	0	-2	0.5	0.12	0	-2	0	0	0
2	25	3	0	0	-2	0.6	0.12	0	-2	0	0	0
2	25	4	0	0	-3	0.6	0.12	0	-3	0	0	0
2	25	5	0	0	-3	0.6	0.12	0	-3	0	0	0
2	25	6	0	0	-2	0.7	0.12	0	-2	0	0	0
2	25	7	139	15	-1	0.9	0.12	29.91	-0.2	90.172	58.909	0.058909
2	25	8	581	60	0	1.1	0.12	271.501	9.263	1643.522	1557.218	1.557218
2	25	9	750	85	1	1.1	0.12	515.369	18.91	3260.181	3116.592	3.116592
2	25	10	844	98	2	1.1	0.12	722.343	27.047	4400.981	4216.969	4.216969
2	25	11	612	183	4	1.2	0.12	726.211	28.505	4354.846	4172.469	4.172469

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	25	12	641	193	5	1.2	0.12	798.057	31.908	4708.383	4513.478	4.513478
2	25	13	920	102	6	1.3	0.12	923.16	36.431	5367.86	5149.587	5.149587
2	25	14	899	96	6	1.3	0.12	838.438	33.667	4952.99	4749.418	4.749418
2	25	15	853	85	5	1.2	0.12	676.306	27.902	4119.396	3945.362	3.945362
2	25	16	750	71	3	0.8	0.12	454.599	20.049	2848.859	2719.845	2.719845
2	25	17	536	46	1	0.7	0.12	204.532	8.604	1156.645	1087.593	1.087593
2	25	18	0	0	0	0.8	0.12	0	0	0	0	0
2	25	19	0	0	0	0.9	0.12	0	0	0	0	0
2	25	20	0	0	0	0.9	0.12	0	0	0	0	0
2	25	21	0	0	0	0.9	0.12	0	0	0	0	0
2	25	22	0	0	0	0.9	0.12	0	0	0	0	0
2	25	23	0	0	0	1	0.12	0	0	0	0	0
2	26	0	0	0	0	1.1	0.12	0	0	0	0	0
2	26	1	0	0	0	1.2	0.12	0	0	0	0	0
2	26	2	0	0	0	1.2	0.12	0	0	0	0	0
2	26	3	0	0	0	1.2	0.12	0	0	0	0	0
2	26	4	0	0	0	1.3	0.12	0	0	0	0	0
2	26	5	0	0	1	1.3	0.12	0	1	0	0	0
2	26	6	0	0	1	1.4	0.12	0	1	0	0	0
2	26	7	0	5	1	1.5	0.12	4.849	1.131	17.753	0	0
2	26	8	0	6	2	1.7	0.12	5.661	2.17	31.772	2.578	0.002578
2	26	9	0	115	3	1.9	0.12	111.297	6.21	695.04	642.344	0.642344
2	26	10	0	106	4	1.8	0.12	101.174	6.972	621.779	571.679	0.571679
2	26	11	16	226	5	1.6	0.12	235.932	12.225	1452.264	1372.736	1.372736
2	26	12	30	269	5	1.4	0.12	305.195	14.771	1868.793	1774.507	1.774507
2	26	13	6	199	6	1.2	0.12	199.442	12.691	1215.353	1144.22	1.14422
2	26	14	0	95	7	1.1	0.12	90.218	10.105	542.425	495.136	0.495136
2	26	15	3	161	7	0.9	0.12	159.156	12.775	974.287	911.697	0.911697
2	26	16	0	55	6	0.7	0.12	52.072	7.998	314.544	275.331	0.275331
2	26	17	0	12	4	0.6	0.12	11.325	4.445	64.051	33.713	0.033713
2	26	18	0	0	4	0.7	0.12	0	4	0	0	0
2	26	19	0	0	4	0.8	0.12	0	4	0	0	0
2	26	20	0	0	4	0.8	0.12	0	4	0	0	0
2	26	21	0	0	3	0.8	0.12	0	3	0	0	0
2	26	22	0	0	3	0.8	0.12	0	3	0	0	0
2	26	23	0	0	3	0.9	0.12	0	3	0	0	0
2	27	0	0	0	2	1	0.12	0	2	0	0	0
2	27	1	0	0	2	1.1	0.12	0	2	0	0	0
2	27	2	0	0	2	1	0.12	0	2	0	0	0
2	27	3	0	0	1	1	0.12	0	1	0	0	0
2	27	4	0	0	1	1	0.12	0	1	0	0	0
2	27	5	0	0	1	1	0.12	0	1	0	0	0
2	27	6	0	0	1	1.1	0.12	0	1	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
2	27	7	0	1	1	1.2	0.12	0.97	1.028	0	0	0
2	27	8	0	7	2	1.4	0.12	6.605	2.212	37.346	7.955	0.007955
2	27	9	0	93	3	1.6	0.12	88.937	5.734	551.878	504.254	0.504254
2	27	10	0	159	4	1.7	0.12	154.481	8.635	956.586	894.622	0.894622
2	27	11	0	101	4	1.8	0.12	96.063	6.816	585.285	536.478	0.536478
2	27	12	0	87	4	1.9	0.12	82.575	6.369	499.644	453.872	0.453872
2	27	13	0	123	4	1.8	0.12	117.648	7.447	718.286	664.767	0.664767
2	27	14	0	137	4	1.8	0.12	131.705	7.863	809.386	752.638	0.752638
2	27	15	30	198	3	1.6	0.12	223.412	9.861	1399.784	1322.116	1.322116
2	27	16	19	132	2	1.3	0.12	139.172	6.586	877.503	818.342	0.818342
2	27	17	0	10	1	1.1	0.12	9.436	1.325	53.77	23.797	0.023797
2	27	18	0	0	1	1.1	0.12	0	1	0	0	0
2	27	19	0	0	0	1.1	0.12	0	0	0	0	0
2	27	20	0	0	0	1.1	0.12	0	0	0	0	0
2	27	21	0	0	0	1.1	0.12	0	0	0	0	0
2	27	22	0	0	0	1.1	0.12	0	0	0	0	0
2	27	23	0	0	0	1.1	0.12	0	0	0	0	0
2	28	0	0	0	0	1.1	0.12	0	0	0	0	0
2	28	1	0	0	0	1.2	0.12	0	0	0	0	0
2	28	2	0	0	0	1.2	0.12	0	0	0	0	0
2	28	3	0	0	0	1.2	0.12	0	0	0	0	0
2	28	4	0	0	0	1.2	0.12	0	0	0	0	0
2	28	5	0	0	0	1.2	0.12	0	0	0	0	0
2	28	6	0	0	0	1.2	0.12	0	0	0	0	0
2	28	7	23	16	0	1.3	0.12	18.854	0.518	68.643	38.143	0.038143
2	28	8	0	34	0	1.4	0.12	32.15	1.034	195.527	160.531	0.160531
2	28	9	0	54	1	1.5	0.12	51.126	2.607	314.556	275.342	0.275342
2	28	10	0	71	2	1.6	0.12	67.302	4.064	411.877	369.215	0.369215
2	28	11	0	105	3	1.6	0.12	99.972	6.06	611.55	561.812	0.561812
2	28	12	0	89	4	1.6	0.12	84.481	6.583	510.998	464.823	0.464823
2	28	13	0	73	4	1.5	0.12	69.258	6.166	416.749	373.914	0.373914
2	28	14	0	60	4	1.4	0.12	56.878	5.822	341.619	301.446	0.301446
2	28	15	0	87	3	1.2	0.12	82.536	5.777	506.941	460.91	0.46091
2	28	16	0	33	2	0.9	0.12	31.207	3.135	188.374	153.631	0.153631
2	28	17	358	67	1	0.6	0.12	178.069	7.865	1034.929	970.189	0.970189
2	28	18	0	0	0	0.6	0.12	0	0	0	0	0
2	28	19	0	0	-2	0.6	0.12	0	-2	0	0	0
2	28	20	0	0	-2	0.7	0.12	0	-2	0	0	0
2	28	21	0	0	-2	0.8	0.12	0	-2	0	0	0
2	28	22	0	0	-2	0.8	0.12	0	-2	0	0	0
2	28	23	0	0	-2	0.8	0.12	0	-2	0	0	0
3	1	0	0	0	-2	0.7	0.12	0	-2	0	0	0
3	1	1	0	0	-2	0.7	0.12	0	-2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	1	2	0	0	-2	0.7	0.12	0	-2	0	0	0
3	1	3	0	0	-3	0.7	0.12	0	-3	0	0	0
3	1	4	0	0	-3	0.6	0.12	0	-3	0	0	0
3	1	5	0	0	-4	0.5	0.12	0	-4	0	0	0
3	1	6	0	0	-4	0.5	0.12	0	-4	0	0	0
3	1	7	141	21	-2	0.5	0.12	41.153	-0.708	135.951	103.066	0.103066
3	1	8	561	69	0	0.6	0.12	282.399	11.035	1722.447	1633.346	1.633346
3	1	9	741	93	2	0.5	0.12	530.598	23.644	3292.783	3148.039	3.148039
3	1	10	829	108	5	0.5	0.12	735.54	34.934	4337.763	4155.991	4.155991
3	1	11	572	203	7	0.5	0.12	719.288	36.188	4176.523	4000.464	4.000464
3	1	12	609	211	8	0.5	0.12	797.542	40.341	4541.675	4352.677	4.352677
3	1	13	793	165	9	0.5	0.12	904.26	45.698	5047.836	4840.903	4.840903
3	1	14	774	153	8	0.7	0.12	814.795	39.285	4691.394	4497.091	4.497091
3	1	15	735	129	7	0.6	0.12	656.04	32.954	3904.286	3737.873	3.737873
3	1	16	632	103	5	0.4	0.12	438.382	23.407	2710.574	2586.459	2.586459
3	1	17	401	65	1	0.4	0.12	188.853	8.716	1095.744	1028.85	1.02885
3	1	18	0	0	0	0.6	0.12	0	0	0	0	0
3	1	19	0	0	0	0.8	0.12	0	0	0	0	0
3	1	20	0	0	1	0.9	0.12	0	1	0	0	0
3	1	21	0	0	1	0.9	0.12	0	1	0	0	0
3	1	22	0	0	1	0.9	0.12	0	1	0	0	0
3	1	23	0	0	1	0.9	0.12	0	1	0	0	0
3	2	0	0	0	0	1	0.12	0	0	0	0	0
3	2	1	0	0	0	1	0.12	0	0	0	0	0
3	2	2	0	0	1	0.9	0.12	0	1	0	0	0
3	2	3	0	0	1	0.9	0.12	0	1	0	0	0
3	2	4	0	0	1	0.9	0.12	0	1	0	0	0
3	2	5	0	0	1	0.9	0.12	0	1	0	0	0
3	2	6	0	0	1	0.9	0.12	0	1	0	0	0
3	2	7	0	1	1	1	0.12	0.942	1.029	0	0	0
3	2	8	5	87	2	1.1	0.12	86.641	4.994	538.899	491.736	0.491736
3	2	9	0	86	4	1.4	0.12	81.821	6.631	503.744	457.826	0.457826
3	2	10	0	116	5	1.7	0.12	110.938	8.327	679.083	626.953	0.626953
3	2	11	8	208	6	1.7	0.12	210.007	12.289	1284.931	1211.333	1.211333
3	2	12	6	197	7	1.6	0.12	197.019	13.024	1195.978	1125.532	1.125532
3	2	13	11	227	7	1.5	0.12	232.202	14.262	1411.115	1333.046	1.333046
3	2	14	1	171	6	1.4	0.12	166.512	11.332	1016.34	952.259	0.952259
3	2	15	28	200	6	1.3	0.12	223.38	13.342	1379.385	1302.44	1.30244
3	2	16	0	78	6	1.2	0.12	74.177	8.502	452.991	408.872	0.408872
3	2	17	0	33	5	1.1	0.12	31.209	6.076	184.072	149.482	0.149482
3	2	18	0	0	5	1.1	0.12	0	0	0	0	0
3	2	19	0	0	5	1.1	0.12	0	5	0	0	0
3	2	20	0	0	5	1.1	0.12	0	5	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	2	21	0	0	5	1.1	0.12	0	5	0	0	0
3	2	22	0	0	5	1	0.12	0	5	0	0	0
3	2	23	0	0	4	1	0.12	0	4	0	0	0
3	3	0	0	0	3	1.3	0.12	0	3	0	0	0
3	3	1	0	0	1	1.5	0.12	0	1	0	0	0
3	3	2	0	0	0	1.4	0.12	0	0	0	0	0
3	3	3	0	0	-1	1.4	0.12	0	-1	0	0	0
3	3	4	0	0	-2	1.4	0.12	0	-2	0	0	0
3	3	5	0	0	-3	1.5	0.12	0	-3	0	0	0
3	3	6	0	0	-4	1.5	0.12	0	-4	0	0	0
3	3	7	50	24	-3	1.6	0.12	31.224	-2.208	114.831	82.694	0.082694
3	3	8	0	20	-2	1.7	0.12	18.892	-1.431	113.853	81.751	0.081751
3	3	9	287	169	-2	1.8	0.12	348.466	8.292	2253.779	2145.851	2.145851
3	3	10	15	201	-2	1.9	0.12	208.134	3.986	1322.425	1247.498	1.247498
3	3	11	10	216	-2	1.8	0.12	219.833	4.444	1386.433	1309.238	1.309238
3	3	12	16	248	-1	1.7	0.12	258.359	6.731	1618.471	1533.054	1.533054
3	3	13	169	333	-1	1.7	0.12	510.269	14.298	3171.379	3030.937	3.030937
3	3	14	41	262	-1	1.6	0.12	303.632	8.302	1910.529	1814.764	1.814764
3	3	15	0	113	-2	1.6	0.12	108.087	1.316	680.942	628.746	0.628746
3	3	16	0	108	-2	1.5	0.12	104.232	1.278	662.649	611.101	0.611101
3	3	17	0	55	-3	1.3	0.12	52.801	-1.265	327.945	288.256	0.288256
3	3	18	0	0	-4	1.3	0.12	0	0	0	0	0
3	3	19	0	0	-5	1.4	0.12	0	-5	0	0	0
3	3	20	0	0	-5	1.4	0.12	0	-5	0	0	0
3	3	21	0	0	-6	1.5	0.12	0	-6	0	0	0
3	3	22	0	0	-7	1.5	0.12	0	-7	0	0	0
3	3	23	0	0	-7	1.5	0.12	0	-7	0	0	0
3	4	0	0	0	-8	1.5	0.12	0	-8	0	0	0
3	4	1	0	0	-8	1.5	0.12	0	-8	0	0	0
3	4	2	0	0	-8	1.5	0.12	0	-8	0	0	0
3	4	3	0	0	-9	1.5	0.12	0	-9	0	0	0
3	4	4	0	0	-9	1.5	0.12	0	-9	0	0	0
3	4	5	0	0	-9	1.6	0.12	0	-9	0	0	0
3	4	6	0	0	-10	1.6	0.12	0	-10	0	0	0
3	4	7	0	11	-10	1.6	0.12	10.386	-9.719	43.401	13.795	0.013795
3	4	8	3	90	-10	1.6	0.12	88.714	-7.271	579.239	530.647	0.530647
3	4	9	87	181	-9	1.6	0.12	234.923	-1.77	1550.168	1467.172	1.467172
3	4	10	356	231	-8	1.6	0.12	517.444	7.917	3338.231	3191.876	3.191876
3	4	11	506	234	-7	1.5	0.12	701.765	15.05	4401.299	4217.276	4.217276
3	4	12	511	253	-5	1.5	0.12	755.941	18.733	4663.17	4469.867	4.469867
3	4	13	444	277	-4	1.4	0.12	715.761	18.984	4408.277	4224.006	4.224006
3	4	14	877	127	-4	1.3	0.12	872.028	24.749	5308.53	5092.359	5.092359
3	4	15	776	129	-4	1.2	0.12	688.439	19.286	4311.501	4130.659	4.130659

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	4	16	628	115	-4	1.1	0.12	451.746	11.684	2918.843	2787.349	2.787349
3	4	17	0	53	-5	0.9	0.12	50.689	-3.161	316.979	277.679	0.277679
3	4	18	0	0	-5	0.7	0.12	0	0	0	0	0
3	4	19	0	0	-5	0.7	0.12	0	-5	0	0	0
3	4	20	0	0	-5	0.8	0.12	0	-5	0	0	0
3	4	21	0	0	-5	0.8	0.12	0	-5	0	0	0
3	4	22	0	0	-4	0.9	0.12	0	-4	0	0	0
3	4	23	0	0	-4	1	0.12	0	-4	0	0	0
3	5	0	0	0	-4	1	0.12	0	-4	0	0	0
3	5	1	0	0	-3	1	0.12	0	-3	0	0	0
3	5	2	0	0	-3	1	0.12	0	-3	0	0	0
3	5	3	0	0	-3	0.9	0.12	0	-3	0	0	0
3	5	4	0	0	-4	0.8	0.12	0	-4	0	0	0
3	5	5	0	0	-4	0.7	0.12	0	-4	0	0	0
3	5	6	0	0	-4	0.7	0.12	0	-4	0	0	0
3	5	7	286	25	-2	0.8	0.12	68.818	0.11	256.63	219.468	0.219468
3	5	8	671	61	0	1	0.12	321.437	11.304	1975.69	1877.616	1.877616
3	5	9	822	79	2	1.1	0.12	569.61	21.785	3560.959	3406.712	3.406712
3	5	10	336	238	4	1.2	0.12	511.178	21.239	3138.931	2999.638	2.999638
3	5	11	898	110	6	1.3	0.12	902.998	35.758	5260.813	5046.333	5.046333
3	5	12	900	119	7	1.3	0.12	963.203	38.717	5524.901	5301.064	5.301064
3	5	13	896	117	8	1.3	0.12	946.958	39.187	5426.408	5206.061	5.206061
3	5	14	720	148	8	1.2	0.12	771.726	34.044	4531.477	4342.841	4.342841
3	5	15	611	142	7	0.9	0.12	590.101	28.508	3562.055	3407.769	3.407769
3	5	16	679	94	5	0.6	0.12	456.819	23.106	2834.009	2705.521	2.705521
3	5	17	444	65	2	0.5	0.12	204.015	10.105	1185.939	1115.848	1.115848
3	5	18	0	0	0	0.5	0.12	0	0	0	0	0
3	5	19	0	0	0	0.7	0.12	0	0	0	0	0
3	5	20	0	0	1	0.8	0.12	0	1	0	0	0
3	5	21	0	0	1	0.9	0.12	0	1	0	0	0
3	5	22	0	0	1	0.9	0.12	0	1	0	0	0
3	5	23	0	0	1	0.9	0.12	0	1	0	0	0
3	6	0	0	0	1	0.9	0.12	0	1	0	0	0
3	6	1	0	0	1	0.9	0.12	0	1	0	0	0
3	6	2	0	0	1	0.8	0.12	0	1	0	0	0
3	6	3	0	0	1	0.8	0.12	0	1	0	0	0
3	6	4	0	0	1	0.8	0.12	0	1	0	0	0
3	6	5	0	0	1	0.8	0.12	0	1	0	0	0
3	6	6	0	0	1	0.8	0.12	0	1	0	0	0
3	6	7	93	28	2	0.9	0.12	43.733	3.432	192.969	158.064	0.158064
3	6	8	561	63	4	1	0.12	284.74	14.022	1733.476	1643.984	1.643984
3	6	9	522	132	7	1.2	0.12	453.793	22.363	2810.76	2683.095	2.683095
3	6	10	841	109	10	1.4	0.12	758.477	34.457	4473.046	4286.48	4.28648

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	6	11	889	115	12	1.4	0.12	903.508	41.085	5151.364	4940.763	4.940763
3	6	12	915	115	13	1.5	0.12	967.857	43.435	5447.309	5226.222	5.226222
3	6	13	900	120	13	1.6	0.12	956.104	42.405	5406.004	5186.379	5.186379
3	6	14	873	116	13	1.5	0.12	860.551	40.091	4937.074	4734.066	4.734066
3	6	15	819	106	13	1.3	0.12	693.399	35.904	4078.842	3906.245	3.906245
3	6	16	721	88	11	1	0.12	472.742	27.838	2883.565	2753.321	2.753321
3	6	17	511	60	8	0.7	0.12	219.092	16.217	1242.216	1170.132	1.170132
3	6	18	0	0	5	0.7	0.12	0	0	0	0	0
3	6	19	0	0	5	0.7	0.12	0	5	0	0	0
3	6	20	0	0	4	0.7	0.12	0	4	0	0	0
3	6	21	0	0	4	0.7	0.12	0	4	0	0	0
3	6	22	0	0	4	0.7	0.12	0	4	0	0	0
3	6	23	0	0	5	0.7	0.12	0	5	0	0	0
3	7	0	0	0	5	0.6	0.12	0	5	0	0	0
3	7	1	0	0	6	0.6	0.12	0	6	0	0	0
3	7	2	0	0	6	0.7	0.12	0	6	0	0	0
3	7	3	0	0	7	0.7	0.12	0	7	0	0	0
3	7	4	0	0	7	0.6	0.12	0	7	0	0	0
3	7	5	0	0	7	0.6	0.12	0	7	0	0	0
3	7	6	0	0	7	0.7	0.12	0	7	0	0	0
3	7	7	0	4	8	0.8	0.12	3.771	8.135	17.265	0	0
3	7	8	28	101	10	0.9	0.12	111.945	14.069	677.563	625.486	0.625486
3	7	9	10	157	11	1	0.12	158.977	16.629	962.697	900.517	0.900517
3	7	10	224	263	13	1	0.12	447.496	28.841	2654.222	2532.104	2.532104
3	7	11	808	139	15	1.1	0.12	862.583	44.819	4840.594	4641.004	4.641004
3	7	12	844	135	16	1.1	0.12	934.662	48.289	5153.526	4942.848	4.942848
3	7	13	809	149	17	1.1	0.12	907.924	48.366	5006.818	4801.338	4.801338
3	7	14	274	294	17	1	0.12	550.809	36.479	3167.658	3027.347	3.027347
3	7	15	243	235	16	0.8	0.12	425.549	31.886	2501.56	2384.852	2.384852
3	7	16	589	114	15	0.5	0.12	433.688	32.683	2586.973	2467.238	2.467238
3	7	17	322	66	12	0.4	0.12	169.213	18.947	955.938	893.997	0.893997
3	7	18	0	0	9	0.4	0.12	0	0	0	0	0
3	7	19	0	0	8	0.5	0.12	0	8	0	0	0
3	7	20	0	0	8	0.4	0.12	0	8	0	0	0
3	7	21	0	0	7	0.4	0.12	0	7	0	0	0
3	7	22	0	0	7	0.5	0.12	0	7	0	0	0
3	7	23	0	0	8	0.6	0.12	0	8	0	0	0
3	8	0	0	0	8	0.7	0.12	0	8	0	0	0
3	8	1	0	0	8	0.7	0.12	0	8	0	0	0
3	8	2	0	0	8	0.7	0.12	0	8	0	0	0
3	8	3	0	0	8	0.7	0.12	0	8	0	0	0
3	8	4	0	0	8	0.8	0.12	0	8	0	0	0
3	8	5	0	0	8	0.8	0.12	0	8	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	8	6	0	0	8	0.8	0.12	0	8	0	0	0
3	8	7	42	30	10	1	0.12	37.398	11.255	182.296	147.769	0.147769
3	8	8	329	95	12	1.2	0.12	231.891	19.789	1386.965	1309.751	1.309751
3	8	9	534	134	15	1.3	0.12	466.069	30.404	2798.249	2671.028	2.671028
3	8	10	815	109	17	1.4	0.12	744.116	40.988	4272.809	4093.339	4.093339
3	8	11	551	226	19	1.5	0.12	737.28	42.163	4167.099	3991.374	3.991374
3	8	12	553	247	20	1.6	0.12	792.779	44.338	4427.171	4242.231	4.242231
3	8	13	552	242	20	1.5	0.12	779.182	44.464	4352.213	4169.929	4.169929
3	8	14	406	265	19	1.4	0.12	628.389	39.191	3589.588	3434.327	3.434327
3	8	15	427	201	18	1.1	0.12	524.673	36.153	3055.32	2918.99	2.91899
3	8	16	299	150	17	0.9	0.12	315.577	28.511	1890.503	1795.447	1.795447
3	8	17	49	78	15	0.9	0.12	92.505	18.345	535.586	488.54	0.48854
3	8	18	0	0	14	0.9	0.12	0	0	0	0	0
3	8	19	0	0	13	0.9	0.12	0	13	0	0	0
3	8	20	0	0	13	0.9	0.12	0	13	0	0	0
3	8	21	0	0	12	0.8	0.12	0	12	0	0	0
3	8	22	0	0	12	0.7	0.12	0	12	0	0	0
3	8	23	0	0	12	0.8	0.12	0	12	0	0	0
3	9	0	0	0	12	0.9	0.12	0	12	0	0	0
3	9	1	0	0	12	0.9	0.12	0	12	0	0	0
3	9	2	0	0	12	1	0.12	0	12	0	0	0
3	9	3	0	0	13	1	0.12	0	13	0	0	0
3	9	4	0	0	13	1.2	0.12	0	13	0	0	0
3	9	5	0	0	12	1.4	0.12	0	12	0	0	0
3	9	6	0	0	12	1.4	0.12	0	12	0	0	0
3	9	7	0	11	13	1.6	0.12	10.382	13.311	51.527	21.633	0.021633
3	9	8	0	8	15	1.9	0.12	7.552	15.218	40.493	10.99	0.01099
3	9	9	0	54	16	2.1	0.12	51.135	17.415	294.704	256.194	0.256194
3	9	10	0	167	16	2.4	0.12	161.576	20.208	953.602	891.744	0.891744
3	9	11	0	135	17	2.6	0.12	129.332	20.241	752.031	697.316	0.697316
3	9	12	7	206	17	2.8	0.12	206.623	21.994	1210.319	1139.364	1.139364
3	9	13	0	122	16	2.7	0.12	116.54	18.867	677.291	625.224	0.625224
3	9	14	8	206	11	2.7	0.12	207.291	16.106	1248.918	1176.596	1.176596
3	9	15	81	239	6	2.5	0.12	301.324	13.721	1873.669	1779.21	1.77921
3	9	16	0	101	4	2.4	0.12	96.778	6.53	600.645	551.293	0.551293
3	9	17	0	52	2	2.4	0.12	49.432	3.291	302.082	263.31	0.26331
3	9	18	0	0	0	2.2	0.12	0	0	0	0	0
3	9	19	0	0	0	2	0.12	0	0	0	0	0
3	9	20	0	0	0	1.9	0.12	0	0	0	0	0
3	9	21	0	0	0	1.9	0.12	0	0	0	0	0
3	9	22	0	0	-1	1.7	0.12	0	-1	0	0	0
3	9	23	0	0	-1	1.4	0.12	0	-1	0	0	0
3	10	0	0	0	-2	1.3	0.12	0	-2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	10	1	0	0	-2	1.3	0.12	0	-2	0	0	0
3	10	2	0	0	-3	1.3	0.12	0	-3	0	0	0
3	10	3	0	0	-3	1.3	0.12	0	-3	0	0	0
3	10	4	0	0	-3	1.2	0.12	0	-3	0	0	0
3	10	5	0	0	-3	1.2	0.12	0	-3	0	0	0
3	10	6	0	0	-3	1.2	0.12	0	-3	0	0	0
3	10	7	427	30	-2	1.5	0.12	100.825	0.841	458.813	414.487	0.414487
3	10	8	760	59	0	1.8	0.12	363.494	10.65	2263.884	2155.597	2.155597
3	10	9	891	75	0	2	0.12	619.168	17.583	3927.64	3760.4	3.7604
3	10	10	867	118	1	2	0.12	798.226	23.603	4896.797	4695.216	4.695216
3	10	11	901	129	2	2	0.12	939.598	28.563	5612.494	5385.553	5.385553
3	10	12	919	131	2	2	0.12	1005.953	30.419	5943.988	5705.301	5.705301
3	10	13	942	116	3	1.9	0.12	991.408	31.596	5840.489	5605.469	5.605469
3	10	14	927	106	3	1.8	0.12	895.904	29.416	5352.653	5134.919	5.134919
3	10	15	893	91	2	1.6	0.12	734.42	24.654	4508.842	4321.008	4.321008
3	10	16	797	78	1	1.3	0.12	503.957	17.687	3201.373	3059.868	3.059868
3	10	17	570	60	0	0.9	0.12	238.91	8.503	1403.682	1325.876	1.325876
3	10	18	41	11	-2	0.5	0.12	13.103	-1.572	44.298	14.66	0.01466
3	10	19	0	0	-3	0.4	0.12	0	-3	0	0	0
3	10	20	0	0	-4	0.3	0.12	0	-4	0	0	0
3	10	21	0	0	-4	0.4	0.12	0	-4	0	0	0
3	10	22	0	0	-4	0.5	0.12	0	-4	0	0	0
3	10	23	0	0	-4	0.6	0.12	0	-4	0	0	0
3	11	0	0	0	-4	0.5	0.12	0	-4	0	0	0
3	11	1	0	0	-4	0.4	0.12	0	-4	0	0	0
3	11	2	0	0	-4	0.3	0.12	0	-4	0	0	0
3	11	3	0	0	-5	0.2	0.12	0	-5	0	0	0
3	11	4	0	0	-5	0.3	0.12	0	-5	0	0	0
3	11	5	0	0	-4	0.5	0.12	0	-4	0	0	0
3	11	6	0	0	-3	0.6	0.12	0	-3	0	0	0
3	11	7	253	40	-2	0.8	0.12	84.567	0.933	420.215	377.257	0.377257
3	11	8	599	86	0	0.9	0.12	332.383	12.035	2065.143	1963.899	1.963899
3	11	9	583	126	1	0.9	0.12	495.01	19.062	3104.79	2966.707	2.966707
3	11	10	630	163	4	0.9	0.12	672.005	28.457	4037.35	3866.223	3.866223
3	11	11	672	189	6	1	0.12	811.492	34.737	4727.047	4531.481	4.531481
3	11	12	615	231	7	1.1	0.12	839.854	35.974	4848.32	4648.457	4.648457
3	11	13	605	230	8	1.1	0.12	820.937	36.325	4735.98	4540.098	4.540098
3	11	14	707	163	8	1	0.12	785.643	35.843	4570.433	4380.416	4.380416
3	11	15	474	195	7	0.8	0.12	552.834	27.661	3330.218	3184.147	3.184147
3	11	16	200	166	5	0.5	0.12	276.658	16.255	1726.66	1637.409	1.637409
3	11	17	70	83	3	0.4	0.12	106.528	7.426	646.91	595.92	0.59592
3	11	18	0	7	2	0.7	0.12	6.789	2.225	25.104	0	0
3	11	19	0	0	2	0.9	0.12	0	2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	11	20	0	0	1	0.6	0.12	0	1	0	0	0
3	11	21	0	0	1	0.5	0.12	0	1	0	0	0
3	11	22	0	0	2	0.7	0.12	0	2	0	0	0
3	11	23	0	0	3	0.5	0.12	0	3	0	0	0
3	12	0	0	0	3	0.4	0.12	0	3	0	0	0
3	12	1	0	0	3	0.5	0.12	0	3	0	0	0
3	12	2	0	0	2	0.5	0.12	0	2	0	0	0
3	12	3	0	0	1	0.6	0.12	0	1	0	0	0
3	12	4	0	0	2	0.6	0.12	0	2	0	0	0
3	12	5	0	0	2	0.6	0.12	0	2	0	0	0
3	12	6	0	0	2	0.5	0.12	0	2	0	0	0
3	12	7	0	4	3	0.3	0.12	3.771	3.16	19.539	0	0
3	12	8	0	73	3	0.3	0.12	69.569	5.999	428.81	385.547	0.385547
3	12	9	0	128	5	0.4	0.12	123.123	10.138	755.922	701.069	0.701069
3	12	10	10	203	6	0.4	0.12	205.454	14.553	1249.407	1177.067	1.177067
3	12	11	26	271	8	0.4	0.12	289.572	20.038	1731.67	1642.242	1.642242
3	12	12	45	320	10	0.3	0.12	371.905	25.93	2183.004	2077.584	2.077584
3	12	13	65	332	11	0.3	0.12	402.886	28.264	2351.206	2239.825	2.239825
3	12	14	23	252	11	0.2	0.12	266.741	22.801	1577.735	1493.761	1.493761
3	12	15	161	253	10	0.2	0.12	380.042	26.878	2263.892	2155.606	2.155606
3	12	16	0	113	9	0.2	0.12	108.608	13.827	657.178	605.823	0.605823
3	12	17	0	72	8	0.3	0.12	69.34	10.986	416.827	373.989	0.373989
3	12	18	0	4	7	0.4	0.12	3.879	7.14	13.628	0	0
3	12	19	0	0	7	0.5	0.12	0	7	0	0	0
3	12	20	0	0	7	0.5	0.12	0	7	0	0	0
3	12	21	0	0	6	0.4	0.12	0	6	0	0	0
3	12	22	0	0	4	0.4	0.12	0	4	0	0	0
3	12	23	0	0	4	0.4	0.12	0	4	0	0	0
3	13	0	0	0	4	0.3	0.12	0	4	0	0	0
3	13	1	0	0	4	0.2	0.12	0	4	0	0	0
3	13	2	0	0	4	0.2	0.12	0	4	0	0	0
3	13	3	0	0	5	0.2	0.12	0	5	0	0	0
3	13	4	0	0	4	0.2	0.12	0	4	0	0	0
3	13	5	0	0	4	0.2	0.12	0	4	0	0	0
3	13	6	0	0	4	0.2	0.12	0	4	0	0	0
3	13	7	0	3	5	0.3	0.12	2.828	5.12	14.423	0	0
3	13	8	0	76	7	0.5	0.12	72.491	9.944	440.476	396.8	0.3968
3	13	9	36	188	10	0.6	0.12	211.589	18.337	1284.008	1210.443	1.210443
3	13	10	5	187	13	0.5	0.12	185.265	20.487	1096.276	1029.363	1.029363
3	13	11	151	340	15	0.5	0.12	495.732	35.036	2841.125	2712.384	2.712384
3	13	12	365	331	16	0.5	0.12	704.628	44.502	3910.668	3744.03	3.74403
3	13	13	856	142	17	0.7	0.12	954.301	53.578	5138.578	4928.43	4.92843
3	13	14	834	134	17	0.8	0.12	859.393	49.094	4740.226	4544.193	4.544193

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	13	15	783	120	16	0.7	0.12	695.024	42.721	3967.462	3798.811	3.798811
3	13	16	684	101	15	0.5	0.12	474.128	34.337	2816.976	2689.092	2.689092
3	13	17	238	81	11	0.5	0.12	157.57	17.315	910.745	850.406	0.850406
3	13	18	0	15	8	0.7	0.12	14.548	8.481	54.056	24.073	0.024073
3	13	19	0	0	7	0.8	0.12	0	7	0	0	0
3	13	20	0	0	7	0.9	0.12	0	7	0	0	0
3	13	21	0	0	7	1	0.12	0	7	0	0	0
3	13	22	0	0	6	1	0.12	0	6	0	0	0
3	13	23	0	0	5	1	0.12	0	5	0	0	0
3	14	0	0	0	4	0.9	0.12	0	4	0	0	0
3	14	1	0	0	4	0.7	0.12	0	4	0	0	0
3	14	2	0	0	3	0.7	0.12	0	3	0	0	0
3	14	3	0	0	3	0.7	0.12	0	3	0	0	0
3	14	4	0	0	3	0.8	0.12	0	3	0	0	0
3	14	5	0	0	3	0.8	0.12	0	3	0	0	0
3	14	6	0	0	4	0.6	0.12	0	4	0	0	0
3	14	7	71	40	6	0.4	0.12	52.569	8.125	281.727	243.676	0.243676
3	14	8	209	120	8	0.6	0.12	211.344	16.323	1290.162	1216.378	1.216378
3	14	9	592	129	11	0.8	0.12	508.964	30.062	3059.352	2922.879	2.922879
3	14	10	705	172	14	1	0.12	744.7	40.41	4266.279	4087.04	4.08704
3	14	11	783	168	16	1.1	0.12	892.023	46.81	4947.834	4744.444	4.744444
3	14	12	515	274	17	1.2	0.12	793.985	43.71	4433.367	4248.207	4.248207
3	14	13	619	239	17	1.2	0.12	846.694	45.502	4702.664	4507.962	4.507962
3	14	14	367	290	17	1.2	0.12	626.03	38.071	3581.895	3426.907	3.426907
3	14	15	284	244	17	1.1	0.12	464.864	33.061	2721.065	2596.579	2.596579
3	14	16	348	153	16	0.9	0.12	345.449	28.601	2073.631	1972.086	1.972086
3	14	17	31	85	14	0.8	0.12	93.747	17.489	550.445	502.873	0.502873
3	14	18	0	8	13	0.7	0.12	7.759	13.257	27.323	0	0
3	14	19	0	0	12	0.7	0.12	0	12	0	0	0
3	14	20	0	0	12	0.8	0.12	0	12	0	0	0
3	14	21	0	0	11	0.8	0.12	0	11	0	0	0
3	14	22	0	0	11	0.8	0.12	0	11	0	0	0
3	14	23	0	0	11	0.8	0.12	0	11	0	0	0
3	15	0	0	0	11	0.8	0.12	0	11	0	0	0
3	15	1	0	0	11	0.8	0.12	0	11	0	0	0
3	15	2	0	0	12	0.8	0.12	0	12	0	0	0
3	15	3	0	0	12	0.8	0.12	0	12	0	0	0
3	15	4	0	0	12	0.8	0.12	0	12	0	0	0
3	15	5	0	0	12	0.8	0.12	0	12	0	0	0
3	15	6	0	0	12	0.8	0.12	0	12	0	0	0
3	15	7	224	40	13	0.9	0.12	82.28	15.826	403.745	361.371	0.361371
3	15	8	259	118	15	1.1	0.12	229.803	22.93	1370.025	1293.412	1.293412
3	15	9	124	213	16	1.2	0.12	298.104	26.053	1778.421	1687.337	1.687337

Month	Day	Hour	Beam Irradiance (W/m ²)	Diffuse Irradiance (W/m ²)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m ²)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	15	10	0	116	17	1.3	0.12	110.657	20.627	641.42	590.624	0.590624
3	15	11	0	33	18	1.2	0.12	31.286	19.048	171.797	137.642	0.137642
3	15	12	6	201	19	1.2	0.12	200.347	25.71	1152.768	1083.853	1.083853
3	15	13	12	239	19	1.1	0.12	244.247	27.386	1406.607	1328.697	1.328697
3	15	14	12	227	18	1	0.12	231.509	26.16	1343.251	1267.586	1.267586
3	15	15	0	133	17	0.7	0.12	127.504	21.873	742.291	687.92	0.68792
3	15	16	0	74	16	0.4	0.12	70.128	18.93	408.085	365.557	0.365557
3	15	17	284	96	15	0.4	0.12	187.515	22.743	1068.549	1002.618	1.002618
3	15	18	0	13	14	0.6	0.12	12.608	14.429	45.208	15.538	0.015538
3	15	19	0	0	12	0.7	0.12	0	12	0	0	0
3	15	20	0	0	11	0.7	0.12	0	11	0	0	0
3	15	21	0	0	10	0.7	0.12	0	10	0	0	0
3	15	22	0	0	10	0.7	0.12	0	10	0	0	0
3	15	23	0	0	9	0.8	0.12	0	9	0	0	0
3	16	0	0	0	8	0.8	0.12	0	8	0	0	0
3	16	1	0	0	6	0.9	0.12	0	6	0	0	0
3	16	2	0	0	5	1	0.12	0	5	0	0	0
3	16	3	0	0	4	1.1	0.12	0	4	0	0	0
3	16	4	0	0	3	1.1	0.12	0	3	0	0	0
3	16	5	0	0	3	1	0.12	0	3	0	0	0
3	16	6	0	0	3	1.1	0.12	0	3	0	0	0
3	16	7	0	8	3	1.2	0.12	7.546	3.252	41.31	11.778	0.011778
3	16	8	0	61	4	1.1	0.12	57.773	5.998	353.531	312.936	0.312936
3	16	9	0	110	5	1.2	0.12	105.051	8.536	644.4	593.499	0.593499
3	16	10	0	124	6	1.3	0.12	118.481	9.883	718.692	665.158	0.665158
3	16	11	5	191	7	1.3	0.12	189.193	13.191	1144.226	1075.613	1.075613
3	16	12	1	157	8	1.2	0.12	151.815	13.084	909.158	848.875	0.848875
3	16	13	14	253	9	1.1	0.12	260.286	17.936	1558.463	1475.172	1.475172
3	16	14	41	286	9	0.9	0.12	326.971	20.829	1958.805	1861.329	1.861329
3	16	15	35	229	8	0.9	0.12	256.734	17.308	1561.421	1478.026	1.478026
3	16	16	452	137	7	0.9	0.12	389.596	21.218	2416.829	2303.123	2.303123
3	16	17	157	90	6	0.8	0.12	142.683	11.281	853.912	795.587	0.795587
3	16	18	0	13	4	0.7	0.12	12.291	4.406	46.144	16.441	0.016441
3	16	19	0	0	3	0.7	0.12	0	3	0	0	0
3	16	20	0	0	2	0.7	0.12	0	2	0	0	0
3	16	21	0	0	2	0.8	0.12	0	2	0	0	0
3	16	22	0	0	2	1	0.12	0	2	0	0	0
3	16	23	0	0	2	0.8	0.12	0	2	0	0	0
3	17	0	0	0	2	0.7	0.12	0	2	0	0	0
3	17	1	0	0	1	0.7	0.12	0	1	0	0	0
3	17	2	0	0	1	0.8	0.12	0	1	0	0	0
3	17	3	0	0	1	0.9	0.12	0	1	0	0	0
3	17	4	0	0	1	1.1	0.12	0	1	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	17	5	0	0	1	1.1	0.12	0	1	0	0	0
3	17	6	0	0	2	0.8	0.12	0	2	0	0	0
3	17	7	0	7	2	0.6	0.12	6.602	2.258	36.231	6.879	0.006879
3	17	8	0	81	4	0.7	0.12	77.239	6.964	476.002	431.067	0.431067
3	17	9	0	102	6	0.9	0.12	97.167	9.525	591.814	542.776	0.542776
3	17	10	3	182	8	0.8	0.12	178.37	14.627	1076.925	1010.698	1.010698
3	17	11	0	127	9	0.7	0.12	121.361	13.625	721.158	667.537	0.667537
3	17	12	5	190	10	0.5	0.12	188.318	17.589	1116.233	1048.612	1.048612
3	17	13	9	221	10	0.4	0.12	223.09	19.262	1322.179	1247.261	1.247261
3	17	14	7	203	10	0.6	0.12	202.798	17.953	1209.38	1138.459	1.138459
3	17	15	28	224	10	0.6	0.12	246.212	19.68	1480.982	1400.437	1.400437
3	17	16	0	135	9	0.5	0.12	130.322	14.285	791.401	735.291	0.735291
3	17	17	119	92	8	0.2	0.12	130.215	13.749	773.949	718.457	0.718457
3	17	18	0	9	8	0.2	0.12	8.498	8.326	30.775	1.617	0.001617
3	17	19	0	0	8	0.6	0.12	0	8	0	0	0
3	17	20	0	0	8	0.8	0.12	0	8	0	0	0
3	17	21	0	0	8	0.6	0.12	0	8	0	0	0
3	17	22	0	0	8	0.5	0.12	0	8	0	0	0
3	17	23	0	0	8	0.5	0.12	0	8	0	0	0
3	18	0	0	0	8	0.5	0.12	0	8	0	0	0
3	18	1	0	0	7	0.4	0.12	0	7	0	0	0
3	18	2	0	0	7	0.2	0.12	0	7	0	0	0
3	18	3	0	0	7	0.2	0.12	0	7	0	0	0
3	18	4	0	0	7	0.2	0.12	0	7	0	0	0
3	18	5	0	0	7	0.2	0.12	0	7	0	0	0
3	18	6	0	0	7	0.3	0.12	0	7	0	0	0
3	18	7	106	49	7	0.4	0.12	70.194	9.846	381.542	339.954	0.339954
3	18	8	0	91	7	0.5	0.12	87.077	10.536	531.342	484.446	0.484446
3	18	9	7	169	7	0.4	0.12	168.169	14.015	1026.099	961.672	0.961672
3	18	10	26	245	9	0.4	0.12	260.295	19.833	1560.024	1476.678	1.476678
3	18	11	136	352	11	0.5	0.12	495.576	31.017	2879.475	2749.376	2.749376
3	18	12	404	330	13	0.5	0.12	743.019	43.05	4145.937	3970.962	3.970962
3	18	13	519	274	14	0.6	0.12	793.148	45.199	4400.384	4216.393	4.216393
3	18	14	328	307	14	0.6	0.12	612.702	38.102	3497.247	3345.257	3.345257
3	18	15	372	233	13	0.6	0.12	516.079	33.353	3025.166	2889.905	2.889905
3	18	16	20	158	11	0.4	0.12	164.044	17.855	991.58	928.377	0.928377
3	18	17	65	93	9	0.3	0.12	111.961	13.804	668.336	616.586	0.616586
3	18	18	0	13	8	0.5	0.12	12.288	8.43	45.256	15.585	0.015585
3	18	19	0	0	7	0.6	0.12	0	7	0	0	0
3	18	20	0	0	7	0.6	0.12	0	7	0	0	0
3	18	21	0	0	6	0.5	0.12	0	6	0	0	0
3	18	22	0	0	6	0.5	0.12	0	6	0	0	0
3	18	23	0	0	5	0.6	0.12	0	5	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	19	0	0	0	5	0.6	0.12	0	5	0	0	0
3	19	1	0	0	5	0.6	0.12	0	5	0	0	0
3	19	2	0	0	5	0.6	0.12	0	5	0	0	0
3	19	3	0	0	5	0.6	0.12	0	5	0	0	0
3	19	4	0	0	5	0.7	0.12	0	5	0	0	0
3	19	5	0	0	5	0.6	0.12	0	5	0	0	0
3	19	6	0	0	5	0.6	0.12	0	5	0	0	0
3	19	7	0	12	5	0.7	0.12	11.325	5.431	63.119	32.814	0.032814
3	19	8	0	59	6	0.8	0.12	55.871	8.087	338.418	298.359	0.298359
3	19	9	5	166	7	0.9	0.12	163.797	12.943	1002.155	938.576	0.938576
3	19	10	14	222	7	1.1	0.12	227.265	14.818	1381.657	1304.631	1.304631
3	19	11	7	207	8	1.2	0.12	206.881	14.932	1245.33	1173.135	1.173135
3	19	12	7	202	8	1.3	0.12	202.125	14.608	1214.312	1143.216	1.143216
3	19	13	6	201	9	1.2	0.12	200.102	15.702	1197.514	1127.013	1.127013
3	19	14	9	217	9	1	0.12	218.48	16.698	1311.766	1237.217	1.237217
3	19	15	1	167	9	0.9	0.12	161.857	14.862	976.498	913.829	0.913829
3	19	16	0	133	8	0.9	0.12	128.145	12.655	782.358	726.568	0.726568
3	19	17	0	73	8	0.8	0.12	69.827	10.607	421.656	378.647	0.378647
3	19	18	0	6	7	0.8	0.12	5.659	7.182	20.218	0	0
3	19	19	0	0	7	0.7	0.12	0	7	0	0	0
3	19	20	0	0	7	0.6	0.12	0	7	0	0	0
3	19	21	0	0	7	0.6	0.12	0	7	0	0	0
3	19	22	0	0	7	0.5	0.12	0	7	0	0	0
3	19	23	0	0	7	0.4	0.12	0	7	0	0	0
3	20	0	0	0	7	0.3	0.12	0	7	0	0	0
3	20	1	0	0	7	0.3	0.12	0	7	0	0	0
3	20	2	0	0	7	0.4	0.12	0	7	0	0	0
3	20	3	0	0	6	0.4	0.12	0	6	0	0	0
3	20	4	0	0	6	0.4	0.12	0	6	0	0	0
3	20	5	0	0	6	0.5	0.12	0	6	0	0	0
3	20	6	0	0	6	0.6	0.12	0	6	0	0	0
3	20	7	0	19	6	0.6	0.12	17.947	6.704	101.753	70.079	0.070079
3	20	8	0	68	6	0.7	0.12	64.428	8.472	391.753	349.803	0.349803
3	20	9	43	207	7	0.9	0.12	235.156	15.537	1443.555	1364.336	1.364336
3	20	10	7	200	8	1	0.12	199.401	15.031	1205.436	1134.654	1.134654
3	20	11	33	300	9	1.1	0.12	335.793	20.534	2007.053	1907.867	1.907867
3	20	12	31	314	9	1.2	0.12	350.569	20.742	2090.203	1988.071	1.988071
3	20	13	28	303	9	1.3	0.12	335.411	19.972	2004.992	1905.879	1.905879
3	20	14	51	304	10	1.2	0.12	354.029	21.878	2114.901	2011.894	2.011894
3	20	15	22	220	9	1.1	0.12	230.362	16.934	1396.056	1318.52	1.31852
3	20	16	0	132	8	0.8	0.12	127.067	12.739	775.105	719.572	0.719572
3	20	17	0	83	7	0.6	0.12	79.715	10.144	484.876	439.627	0.439627
3	20	18	0	10	6	0.4	0.12	9.442	6.34	34.702	5.404	0.005404

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	20	19	0	0	6	0.3	0.12	0	6	0	0	0
3	20	20	0	0	5	0.3	0.12	0	5	0	0	0
3	20	21	0	0	5	0.3	0.12	0	5	0	0	0
3	20	22	0	0	4	0.2	0.12	0	4	0	0	0
3	20	23	0	0	3	0.2	0.12	0	3	0	0	0
3	21	0	0	0	2	0.3	0.12	0	2	0	0	0
3	21	1	0	0	2	0.4	0.12	0	2	0	0	0
3	21	2	0	0	1	0.4	0.12	0	1	0	0	0
3	21	3	0	0	0	0.3	0.12	0	0	0	0	0
3	21	4	0	0	0	0.2	0.12	0	0	0	0	0
3	21	5	0	0	0	0.3	0.12	0	0	0	0	0
3	21	6	0	0	1	0.4	0.12	0	1	0	0	0
3	21	7	344	58	3	0.6	0.12	127.1	7.778	673.179	621.258	0.621258
3	21	8	606	101	5	0.8	0.12	369.808	18.792	2272.629	2164.033	2.164033
3	21	9	744	122	8	1.1	0.12	609.368	29.123	3678.203	3519.802	3.519802
3	21	10	80	294	9	1.2	0.12	363.177	21.2	2186.573	2081.026	2.081026
3	21	11	125	359	10	1.5	0.12	493.171	25.429	2924.049	2792.37	2.79237
3	21	12	14	258	8	1.7	0.12	265.12	15.921	1597.079	1512.421	1.512421
3	21	13	2	164	5	1.9	0.12	159.536	9.569	969.623	907.197	0.907197
3	21	14	5	197	3	1.8	0.12	194.822	8.705	1200.721	1130.107	1.130107
3	21	15	24	224	1	1.8	0.12	235.764	7.921	1478.918	1398.446	1.398446
3	21	16	0	100	0	1.8	0.12	95.343	2.806	598.319	549.05	0.54905
3	21	17	0	66	-1	1.6	0.12	62.832	0.933	393.035	351.04	0.35104
3	21	18	0	10	-2	1.4	0.12	9.441	-1.738	36.057	6.711	0.006711
3	21	19	0	0	-2	1.4	0.12	0	-2	0	0	0
3	21	20	0	0	-3	1.4	0.12	0	-3	0	0	0
3	21	21	0	0	-4	1.3	0.12	0	-4	0	0	0
3	21	22	0	0	-5	1.2	0.12	0	-5	0	0	0
3	21	23	0	0	-5	1	0.12	0	-5	0	0	0
3	22	0	0	0	-6	0.8	0.12	0	-6	0	0	0
3	22	1	0	0	-6	0.8	0.12	0	-6	0	0	0
3	22	2	0	0	-6	0.8	0.12	0	-6	0	0	0
3	22	3	0	0	-6	0.8	0.12	0	-6	0	0	0
3	22	4	0	0	-6	0.8	0.12	0	-6	0	0	0
3	22	5	0	0	-6	0.8	0.12	0	-6	0	0	0
3	22	6	0	0	-6	0.9	0.12	0	-6	0	0	0
3	22	7	477	49	-5	1	0.12	145.831	-0.121	776.984	721.385	0.721385
3	22	8	285	132	-4	1	0.12	260.129	5.215	1671.342	1584.051	1.584051
3	22	9	837	100	-3	1.1	0.12	645.24	19.372	4044.61	3873.225	3.873225
3	22	10	895	113	-1	1.1	0.12	844.857	28.222	5072.166	4864.371	4.864371
3	22	11	927	121	0	1.2	0.12	975.832	32.888	5712.103	5481.633	5.481633
3	22	12	937	124	0	1.2	0.12	1033.31	34.804	5983.334	5743.253	5.743253
3	22	13	928	125	1	1.3	0.12	1010.494	34.239	5870.918	5634.82	5.63482

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	22	14	898	123	1	1.3	0.12	914.088	31.098	5404.384	5184.817	5.184817
3	22	15	845	115	1	1.2	0.12	740.955	26.035	4506.505	4318.753	4.318753
3	22	16	753	99	0	1.1	0.12	514.939	17.877	3257.179	3113.696	3.113696
3	22	17	588	71	0	0.8	0.12	261.861	9.614	1560.765	1477.393	1.477393
3	22	18	189	23	-1	0.6	0.12	36.266	0.063	111.689	79.663	0.079663
3	22	19	0	0	-2	0.6	0.12	0	-2	0	0	0
3	22	20	0	0	-3	0.6	0.12	0	-3	0	0	0
3	22	21	0	0	-3	0.5	0.12	0	-3	0	0	0
3	22	22	0	0	-3	0.5	0.12	0	-3	0	0	0
3	22	23	0	0	-3	0.5	0.12	0	-3	0	0	0
3	23	0	0	0	-3	0.5	0.12	0	-3	0	0	0
3	23	1	0	0	-3	0.5	0.12	0	-3	0	0	0
3	23	2	0	0	-3	0.5	0.12	0	-3	0	0	0
3	23	3	0	0	-3	0.5	0.12	0	-3	0	0	0
3	23	4	0	0	-3	0.6	0.12	0	-3	0	0	0
3	23	5	0	0	-4	0.6	0.12	0	-4	0	0	0
3	23	6	0	0	-3	0.7	0.12	0	-3	0	0	0
3	23	7	497	50	-1	0.9	0.12	152.293	4.236	802.708	746.197	0.746197
3	23	8	781	72	1	1	0.12	418.172	15.81	2607.698	2487.229	2.487229
3	23	9	900	84	3	1.1	0.12	670.433	26.249	4098.403	3925.113	3.925113
3	23	10	946	95	5	1.2	0.12	863.496	34.149	5068.81	4861.134	4.861134
3	23	11	959	104	6	1.3	0.12	988.533	38.533	5660.357	5431.72	5.43172
3	23	12	956	111	7	1.3	0.12	1039.197	41.178	5868.092	5632.094	5.632094
3	23	13	942	113	8	1.4	0.12	1012.18	40.528	5737.455	5506.086	5.506086
3	23	14	914	110	8	1.3	0.12	909.182	37.939	5236.25	5022.641	5.022641
3	23	15	861	104	8	1.2	0.12	741.612	33.058	4391.73	4208.046	4.208046
3	23	16	764	92	7	0.9	0.12	513.955	25.772	3156.594	3016.675	3.016675
3	23	17	584	70	3	0.5	0.12	260.032	13.381	1528.991	1446.744	1.446744
3	23	18	191	24	0	0.4	0.12	37.086	1.154	113.97	81.864	0.081864
3	23	19	0	0	0	0.4	0.12	0	0	0	0	0
3	23	20	0	0	0	0.4	0.12	0	0	0	0	0
3	23	21	0	0	0	0.4	0.12	0	0	0	0	0
3	23	22	0	0	0	0.4	0.12	0	0	0	0	0
3	23	23	0	0	0	0.3	0.12	0	0	0	0	0
3	24	0	0	0	0	0.3	0.12	0	0	0	0	0
3	24	1	0	0	0	0.3	0.12	0	0	0	0	0
3	24	2	0	0	0	0.4	0.12	0	0	0	0	0
3	24	3	0	0	0	0.5	0.12	0	0	0	0	0
3	24	4	0	0	0	0.3	0.12	0	0	0	0	0
3	24	5	0	0	0	0.3	0.12	0	0	0	0	0
3	24	6	0	0	0	0.4	0.12	0	0	0	0	0
3	24	7	0	41	1	0.5	0.12	38.834	2.57	233.386	197.048	0.197048
3	24	8	35	139	3	0.4	0.12	152.803	9.388	953.97	892.099	0.892099

Month	Day	Hour	Beam Irradiance (W/m ²)	Diffuse Irradiance (W/m ²)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m ²)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	24	9	416	197	4	0.3	0.12	481.617	24.777	2929.16	2797.3	2.7973
3	24	10	34	269	6	0.3	0.12	299.323	18.836	1804.434	1712.427	1.712427
3	24	11	22	283	10	0.3	0.12	297.122	22.719	1752.575	1662.407	1.662407
3	24	12	17	277	13	0.4	0.12	287.066	24.912	1672.689	1585.351	1.585351
3	24	13	518	287	14	0.4	0.12	810.281	47.766	4440.18	4254.779	4.254779
3	24	14	490	263	15	0.5	0.12	715.155	43.966	3996.839	3827.148	3.827148
3	24	15	374	244	16	0.4	0.12	530.41	38.16	3045.722	2909.732	2.909732
3	24	16	652	118	15	0.3	0.12	482.12	35.858	2838.18	2709.544	2.709544
3	24	17	400	81	13	0.4	0.12	212.281	21.755	1214.109	1143.021	1.143021
3	24	18	77	25	11	0.7	0.12	29.728	11.951	104.744	72.964	0.072964
3	24	19	0	0	9	0.8	0.12	0	9	0	0	0
3	24	20	0	0	7	0.6	0.12	0	7	0	0	0
3	24	21	0	0	6	0.3	0.12	0	6	0	0	0
3	24	22	0	0	5	0.4	0.12	0	5	0	0	0
3	24	23	0	0	5	0.5	0.12	0	5	0	0	0
3	25	0	0	0	4	0.6	0.12	0	4	0	0	0
3	25	1	0	0	4	0.7	0.12	0	4	0	0	0
3	25	2	0	0	3	0.9	0.12	0	3	0	0	0
3	25	3	0	0	3	1	0.12	0	3	0	0	0
3	25	4	0	0	2	1.1	0.12	0	2	0	0	0
3	25	5	0	0	2	1.2	0.12	0	2	0	0	0
3	25	6	0	0	2	1.1	0.12	0	2	0	0	0
3	25	7	0	16	2	1	0.12	15.107	2.534	87.485	56.317	0.056317
3	25	8	0	37	3	0.9	0.12	34.998	4.273	211.1	175.552	0.175552
3	25	9	0	80	3	0.8	0.12	75.856	5.823	463.15	418.671	0.418671
3	25	10	4	186	4	0.7	0.12	182.679	10.969	1116.451	1048.823	1.048823
3	25	11	79	355	4	0.6	0.12	435.985	21.093	2615.534	2494.787	2.494787
3	25	12	2	161	6	0.5	0.12	156.556	12.305	939.219	877.871	0.877871
3	25	13	16	269	7	0.4	0.12	277.656	18.523	1657.977	1571.16	1.57116
3	25	14	1	163	7	0.5	0.12	157.441	13.349	945.512	883.94	0.88394
3	25	15	27	233	6	0.8	0.12	246.639	15.173	1506.157	1424.72	1.42472
3	25	16	48	181	4	0.9	0.12	206.065	11.49	1285.854	1212.223	1.212223
3	25	17	0	58	3	0.9	0.12	54.954	4.999	336.785	296.783	0.296783
3	25	18	0	7	2	0.9	0.12	6.603	2.219	27.772	0	0
3	25	19	0	0	1	0.9	0.12	0	1	0	0	0
3	25	20	0	0	0	1	0.12	0	0	0	0	0
3	25	21	0	0	0	1	0.12	0	0	0	0	0
3	25	22	0	0	0	0.9	0.12	0	0	0	0	0
3	25	23	0	0	0	0.7	0.12	0	0	0	0	0
3	26	0	0	0	0	0.7	0.12	0	0	0	0	0
3	26	1	0	0	0	0.7	0.12	0	0	0	0	0
3	26	2	0	0	1	0.8	0.12	0	1	0	0	0
3	26	3	0	0	0	0.7	0.12	0	0	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	26	4	0	0	0	0.6	0.12	0	0	0	0	0
3	26	5	0	0	1	0.5	0.12	0	1	0	0	0
3	26	6	0	0	1	0.6	0.12	0	1	0	0	0
3	26	7	33	64	1	0.7	0.12	68.977	3.622	413.775	371.045	0.371045
3	26	8	0	25	2	0.6	0.12	23.634	2.932	141.039	107.973	0.107973
3	26	9	11	187	3	0.5	0.12	188.123	10.614	1163.843	1094.536	1.094536
3	26	10	0	45	4	0.6	0.12	42.662	5.673	252.3	215.292	0.215292
3	26	11	4	179	3	0.8	0.12	176	9.524	1073.739	1007.624	1.007624
3	26	12	34	330	2	1	0.12	369.421	14.997	2249.975	2142.181	2.142181
3	26	13	3	171	2	1	0.12	167.279	7.883	1023.642	959.302	0.959302
3	26	14	1	158	2	1	0.12	152.488	7.369	935.87	874.64	0.87464
3	26	15	0	77	2	1	0.12	73.031	4.577	445.099	401.26	0.40126
3	26	16	4	151	1	0.9	0.12	147.708	6.364	927.165	866.244	0.866244
3	26	17	291	125	0	0.8	0.12	220.268	8.15	1350.74	1274.81	1.27481
3	26	18	47	28	0	0.7	0.12	30.353	1.052	134.45	101.618	0.101618
3	26	19	0	0	0	0.6	0.12	0	0	0	0	0
3	26	20	0	0	0	0.5	0.12	0	0	0	0	0
3	26	21	0	0	-1	0.5	0.12	0	-1	0	0	0
3	26	22	0	0	-1	0.5	0.12	0	-1	0	0	0
3	26	23	0	0	-2	0.5	0.12	0	-2	0	0	0
3	27	0	0	0	-2	0.5	0.12	0	-2	0	0	0
3	27	1	0	0	-2	0.4	0.12	0	-2	0	0	0
3	27	2	0	0	-2	0.4	0.12	0	-2	0	0	0
3	27	3	0	0	-3	0.4	0.12	0	-3	0	0	0
3	27	4	0	0	-3	0.4	0.12	0	-3	0	0	0
3	27	5	0	0	-3	0.4	0.12	0	-3	0	0	0
3	27	6	0	0	-2	0.4	0.12	0	0	0	0	0
3	27	7	462	59	-1	0.5	0.12	160.272	5.221	872.816	813.82	0.81382
3	27	8	0	85	1	0.5	0.12	80.817	4.28	503.16	457.263	0.457263
3	27	9	35	217	3	0.6	0.12	239.692	12.43	1484.854	1404.171	1.404171
3	27	10	358	290	4	0.6	0.12	600.465	27.63	3575.616	3420.85	3.42085
3	27	11	368	339	5	0.6	0.12	704.148	32.667	4091.046	3918.016	3.918016
3	27	12	958	115	6	0.6	0.12	1052.657	47.452	5787.032	5553.907	5.553907
3	27	13	956	112	7	0.7	0.12	1030.18	46.462	5694.163	5464.328	5.464328
3	27	14	935	108	7	0.7	0.12	929.787	42.655	5249.183	5035.115	5.035115
3	27	15	889	100	6	0.7	0.12	761.039	35.24	4464.878	4278.602	4.278602
3	27	16	803	88	5	0.6	0.12	532.385	26.09	3265.417	3121.642	3.121642
3	27	17	636	69	3	0.4	0.12	277.005	14.393	1627.264	1541.535	1.541535
3	27	18	248	28	1	0.3	0.12	46.807	2.695	177.899	143.527	0.143527
3	27	19	0	0	0	0.3	0.12	0	0	0	0	0
3	27	20	0	0	-1	0.3	0.12	0	-1	0	0	0
3	27	21	0	0	-2	0.3	0.12	0	-2	0	0	0
3	27	22	0	0	-2	0.3	0.12	0	-2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	27	23	0	0	-3	0.3	0.12	0	-3	0	0	0
3	28	0	0	0	-3	0.3	0.12	0	-3	0	0	0
3	28	1	0	0	-3	0.3	0.12	0	-3	0	0	0
3	28	2	0	0	-3	0.3	0.12	0	-3	0	0	0
3	28	3	0	0	-3	0.3	0.12	0	-3	0	0	0
3	28	4	0	0	-3	0.3	0.12	0	-3	0	0	0
3	28	5	0	0	-3	0.3	0.12	0	-3	0	0	0
3	28	6	0	0	-2	0.4	0.12	0	0	0	0	0
3	28	7	407	66	0	0.5	0.12	155.786	6.08	859.539	801.014	0.801014
3	28	8	632	105	3	0.7	0.12	398.457	18.291	2470.171	2354.575	2.354575
3	28	9	755	127	6	0.7	0.12	636.349	30.465	3812.402	3649.245	3.649245
3	28	10	449	274	8	0.7	0.12	666.063	33.502	3884.491	3718.78	3.71878
3	28	11	186	379	9	0.6	0.12	570.19	31.372	3309.305	3163.976	3.163976
3	28	12	203	403	9	0.6	0.12	622.212	33.401	3578.531	3423.661	3.423661
3	28	13	260	385	10	0.6	0.12	663.354	36.031	3786.034	3623.812	3.623812
3	28	14	6	196	11	0.6	0.12	194.328	18.615	1150.992	1082.14	1.08214
3	28	15	8	197	12	0.6	0.12	196.278	19.708	1167.239	1097.811	1.097811
3	28	16	0	141	11	0.4	0.12	135.462	16.654	813.841	756.935	0.756935
3	28	17	6	97	10	0.5	0.12	94.868	13.851	572.123	523.783	0.523783
3	28	18	0	18	8	0.6	0.12	17.016	8.639	82.237	51.255	0.051255
3	28	19	0	0	6	0.4	0.12	0	6	0	0	0
3	28	20	0	0	6	0.3	0.12	0	6	0	0	0
3	28	21	0	0	6	0.3	0.12	0	6	0	0	0
3	28	22	0	0	6	0.3	0.12	0	6	0	0	0
3	28	23	0	0	7	0.3	0.12	0	7	0	0	0
3	29	0	0	0	7	0.3	0.12	0	7	0	0	0
3	29	1	0	0	7	0.3	0.12	0	7	0	0	0
3	29	2	0	0	7	0.3	0.12	0	7	0	0	0
3	29	3	0	0	7	0.4	0.12	0	7	0	0	0
3	29	4	0	0	7	0.3	0.12	0	7	0	0	0
3	29	5	0	0	7	0.3	0.12	0	7	0	0	0
3	29	6	0	0	7	0.5	0.12	0	0	0	0	0
3	29	7	357	71	9	0.6	0.12	151.149	14.76	818.191	761.131	0.761131
3	29	8	407	130	12	0.6	0.12	322.431	24.723	1941.701	1844.831	1.844831
3	29	9	297	235	15	0.6	0.12	442.022	32.431	2593.343	2473.382	2.473382
3	29	10	259	319	18	0.7	0.12	552.049	39.109	3129.401	2990.446	2.990446
3	29	11	346	352	19	0.7	0.12	698.827	45.695	3849.026	3684.572	3.684572
3	29	12	329	380	19	0.9	0.12	730.266	45.423	4015.97	3845.6	3.8456
3	29	13	131	396	20	1.2	0.12	542.101	38.171	3050.101	2913.956	2.913956
3	29	14	161	356	20	1.3	0.12	512.456	36.797	2912.437	2781.17	2.78117
3	29	15	20	227	20	1.4	0.12	235.057	27.531	1363.524	1287.141	1.287141
3	29	16	0	51	19	1.4	0.12	48.29	20.551	273.632	235.868	0.235868
3	29	17	0	10	19	1.6	0.12	9.44	19.29	50.148	20.303	0.020303

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	29	18	0	1	18	1.6	0.12	0.942	18.028	0	0	0
3	29	19	0	0	15	1.4	0.13	0	15	0	0	0
3	29	20	0	0	10	1.3	0.13	0	10	0	0	0
3	29	21	0	0	6	1.1	0.13	0	6	0	0	0
3	29	22	0	0	5	0.9	0.13	0	5	0	0	0
3	29	23	0	0	5	0.8	0.13	0	5	0	0	0
3	30	0	0	0	5	0.6	0.13	0	5	0	0	0
3	30	1	0	0	5	0.4	0.13	0	5	0	0	0
3	30	2	0	0	5	0.3	0.13	0	5	0	0	0
3	30	3	0	0	5	0.2	0.13	0	5	0	0	0
3	30	4	0	0	5	0.2	0.13	0	5	0	0	0
3	30	5	0	0	5	0.2	0.13	0	5	0	0	0
3	30	6	0	0	5	0.3	0.13	0	0	0	0	0
3	30	7	374	75	5	0.3	0.13	159.954	11.667	881.347	822.05	0.82205
3	30	8	639	109	8	0.3	0.13	409.477	25.659	2472.431	2356.755	2.356755
3	30	9	725	115	12	0.2	0.13	607.981	39.091	3517.923	3365.201	3.365201
3	30	10	584	217	14	0.3	0.13	718.535	44.926	4012.805	3842.547	3.842547
3	30	11	370	346	15	0.5	0.13	715.084	43.906	3968.797	3800.099	3.800099
3	30	12	370	372	16	0.6	0.13	761.707	45.901	4183.09	4006.799	4.006799
3	30	13	343	368	16	0.5	0.13	723.913	45.246	3987.732	3818.363	3.818363
3	30	14	273	344	15	0.5	0.13	606.141	39.505	3423.832	3274.444	3.274444
3	30	15	186	287	14	0.4	0.13	432.402	32.032	2519.112	2401.782	2.401782
3	30	16	234	196	12	0.2	0.13	331.185	26.743	1985.041	1886.635	1.886635
3	30	17	138	111	10	0.2	0.13	154.873	16.848	919.91	859.246	0.859246
3	30	18	26	30	8	0.4	0.13	30.54	9.216	151.741	118.296	0.118296
3	30	19	0	0	8	0.4	0.13	0	8	0	0	0
3	30	20	0	0	7	0.3	0.13	0	7	0	0	0
3	30	21	0	0	7	0.3	0.13	0	7	0	0	0
3	30	22	0	0	7	0.3	0.13	0	7	0	0	0
3	30	23	0	0	6	0.3	0.13	0	6	0	0	0
3	31	0	0	0	5	0.3	0.13	0	5	0	0	0
3	31	1	0	0	5	0.3	0.13	0	5	0	0	0
3	31	2	0	0	4	0.3	0.13	0	4	0	0	0
3	31	3	0	0	4	0.3	0.13	0	4	0	0	0
3	31	4	0	0	4	0.3	0.13	0	4	0	0	0
3	31	5	0	0	4	0.3	0.13	0	4	0	0	0
3	31	6	0	0	4	0.3	0.13	0	0	0	0	0
3	31	7	0	67	5	0.4	0.13	63.797	7.663	386.406	344.646	0.344646
3	31	8	17	148	6	0.4	0.13	150.383	12.285	926.62	865.718	0.865718
3	31	9	28	223	7	0.4	0.13	235.163	16.801	1429.125	1350.417	1.350417
3	31	10	35	283	8	0.4	0.13	313.892	21.05	1874.144	1779.668	1.779668
3	31	11	68	362	9	0.5	0.13	432.469	26.437	2535.984	2418.056	2.418056
3	31	12	100	401	10	0.5	0.13	508.872	30.513	2941.806	2809.498	2.809498

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
3	31	13	152	401	11	0.3	0.13	567.171	35.291	3230.44	3087.905	3.087905
3	31	14	243	352	12	0.1	0.13	579.099	38.484	3280.142	3135.846	3.135846
3	31	15	293	274	13	0.1	0.13	503.873	36.103	2903.523	2772.571	2.772571
3	31	16	374	175	12	0.2	0.13	385.091	29.159	2302.432	2192.78	2.19278
3	31	17	317	112	11	0.4	0.13	215.484	19.922	1259.684	1186.98	1.18698
3	31	18	156	35	8	0.8	0.13	46.464	9.588	209.219	173.738	0.173738
3	31	19	0	0	14	0.8	0.12	0	14	0	0	0
3	31	20	0	0	14	0.8	0.12	0	14	0	0	0
3	31	21	0	0	14	0.8	0.12	0	14	0	0	0
3	31	22	0	0	14	0.9	0.12	0	14	0	0	0
3	31	23	0	0	13	0.9	0.12	0	13	0	0	0
4	1	0	0	0	13	0.9	0.12	0	13	0	0	0
4	1	1	0	0	13	1	0.12	0	13	0	0	0
4	1	2	0	0	13	1.1	0.12	0	13	0	0	0
4	1	3	0	0	13	1.2	0.12	0	13	0	0	0
4	1	4	0	0	13	1.3	0.12	0	13	0	0	0
4	1	5	0	0	13	1.2	0.12	0	13	0	0	0
4	1	6	0	0	13	1	0.12	0	0	0	0	0
4	1	7	31	77	14	0.9	0.12	81.455	16.945	471.921	427.131	0.427131
4	1	8	0	89	15	1.1	0.12	84.593	17.922	498.562	452.828	0.452828
4	1	9	0	63	14	1.2	0.12	59.713	16.007	345.464	305.155	0.305155
4	1	10	18	253	14	1.3	0.12	260.805	22.539	1538.761	1456.169	1.456169
4	1	11	356	359	14	1.3	0.12	716.687	37.5	4078.357	3905.777	3.905777
4	1	12	18	290	13	1.4	0.12	300.569	22.594	1766.2	1675.549	1.675549
4	1	13	20	296	12	1.4	0.12	308.221	21.841	1819.516	1726.975	1.726975
4	1	14	256	360	10	1.3	0.12	608.069	29.941	3563.556	3409.217	3.409217
4	1	15	4	182	9	1.2	0.12	178.166	14.981	1074.548	1008.405	1.008405
4	1	16	174	205	8	1.1	0.12	302.768	18.47	1865.413	1771.246	1.771246
4	1	17	0	17	7	0.9	0.12	16.057	7.584	92.521	61.175	0.061175
4	1	18	0	30	5	0.7	0.12	28.309	6.057	152.469	118.998	0.118998
4	1	19	0	0	5	0.6	0.12	0	5	0	0	0
4	1	20	0	0	4	0.5	0.12	0	4	0	0	0
4	1	21	0	0	3	0.5	0.12	0	3	0	0	0
4	1	22	0	0	3	0.4	0.12	0	3	0	0	0
4	1	23	0	0	2	0.4	0.12	0	2	0	0	0
4	2	0	0	0	1	0.4	0.12	0	1	0	0	0
4	2	1	0	0	0	0.3	0.12	0	0	0	0	0
4	2	2	0	0	0	0.3	0.12	0	0	0	0	0
4	2	3	0	0	0	0.3	0.12	0	0	0	0	0
4	2	4	0	0	0	0.3	0.12	0	0	0	0	0
4	2	5	0	0	-1	0.3	0.12	0	-1	0	0	0
4	2	6	24	10	0	0.4	0.12	9.698	0.35	36.769	7.398	0.007398
4	2	7	476	70	1	0.6	0.12	182.994	7.97	1021.623	957.355	0.957355

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	2	8	694	101	4	0.7	0.12	432.046	20.594	2667.398	2544.814	2.544814
4	2	9	799	120	5	0.7	0.12	667.749	30.664	3993.348	3823.78	3.82378
4	2	10	858	133	7	0.7	0.12	859.616	39.963	4910.456	4708.391	4.708391
4	2	11	887	141	8	0.6	0.12	988.006	46.903	5449.261	5228.104	5.228104
4	2	12	900	143	9	0.6	0.12	1043.108	50.05	5661.563	5432.883	5.432883
4	2	13	901	138	10	0.6	0.12	1012.932	49.875	5511.293	5287.938	5.287938
4	2	14	880	131	11	0.6	0.12	918.114	47.179	5078.381	4870.366	4.870366
4	2	15	834	120	10	0.6	0.12	746.62	39.479	4298.201	4117.831	4.117831
4	2	16	750	105	9	0.5	0.12	525.526	30.41	3162.279	3022.159	3.022159
4	2	17	581	82	7	0.4	0.12	274.813	18.328	1602.593	1517.739	1.517739
4	2	18	209	39	5	0.3	0.12	54.504	7.146	248.373	211.505	0.211505
4	2	19	0	0	5	0.4	0.12	0	5	0	0	0
4	2	20	0	0	4	0.4	0.12	0	4	0	0	0
4	2	21	0	0	4	0.4	0.12	0	4	0	0	0
4	2	22	0	0	3	0.5	0.12	0	3	0	0	0
4	2	23	0	0	2	0.5	0.12	0	2	0	0	0
4	3	0	0	0	2	0.4	0.12	0	2	0	0	0
4	3	1	0	0	2	0.4	0.12	0	2	0	0	0
4	3	2	0	0	2	0.4	0.12	0	2	0	0	0
4	3	3	0	0	2	0.4	0.12	0	2	0	0	0
4	3	4	0	0	2	0.3	0.12	0	2	0	0	0
4	3	5	0	0	2	0.3	0.12	0	2	0	0	0
4	3	6	0	3	2	0.3	0.12	2.91	2.108	10.349	0	0
4	3	7	0	59	3	0.4	0.12	55.968	5.338	341.359	301.195	0.301195
4	3	8	82	171	5	0.4	0.12	206.597	13.636	1280.138	1206.709	1.206709
4	3	9	54	245	7	0.4	0.12	280.605	18.696	1701.883	1613.511	1.613511
4	3	10	0	134	9	0.5	0.12	127.985	14.162	760.925	705.895	0.705895
4	3	11	7	203	11	0.5	0.12	202.314	19.149	1192.317	1122	1.122
4	3	12	0	141	12	0.6	0.12	134.965	17.278	787.934	731.946	0.731946
4	3	13	8	210	13	0.7	0.12	210.389	21.006	1231.074	1159.384	1.159384
4	3	14	8	211	12	0.6	0.12	210.69	20.253	1241.644	1169.58	1.16958
4	3	15	0	135	12	0.5	0.12	128.961	17.208	761.726	706.667	0.706667
4	3	16	0	29	11	0.5	0.12	27.437	12.112	157.205	123.566	0.123566
4	3	17	0	14	11	0.4	0.12	13.221	11.553	74.149	43.454	0.043454
4	3	18	0	3	11	0.4	0.12	2.828	11.116	13.615	0	0
4	3	19	0	0	11	0.5	0.12	0	11	0	0	0
4	3	20	0	0	11	0.6	0.12	0	11	0	0	0
4	3	21	0	0	12	0.7	0.12	0	12	0	0	0
4	3	22	0	0	12	0.6	0.12	0	12	0	0	0
4	3	23	0	0	12	0.7	0.12	0	12	0	0	0
4	4	0	0	0	12	0.8	0.12	0	12	0	0	0
4	4	1	0	0	11	0.7	0.12	0	11	0	0	0
4	4	2	0	0	11	0.6	0.12	0	11	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	4	3	0	0	10	0.4	0.12	0	10	0	0	0
4	4	4	0	0	9	0.3	0.12	0	9	0	0	0
4	4	5	0	0	9	0.3	0.12	0	9	0	0	0
4	4	6	0	1	10	0.3	0.12	0.97	10.036	0	0	0
4	4	7	0	16	11	0.4	0.12	15.108	11.631	84.861	53.786	0.053786
4	4	8	0	96	12	0.6	0.12	91.315	15.599	544.51	497.148	0.497148
4	4	9	0	127	13	0.5	0.12	121.19	17.899	714.796	661.4	0.6614
4	4	10	0	77	14	0.5	0.12	73.088	16.947	420.325	377.363	0.377363
4	4	11	6	193	14	0.5	0.12	191.471	21.712	1114.642	1047.078	1.047078
4	4	12	7	198	14	0.7	0.12	197.706	21.521	1150.765	1081.921	1.081921
4	4	13	5	178	14	0.8	0.12	175.907	20.514	1024.776	960.396	0.960396
4	4	14	3	169	13	0.8	0.12	164.82	19.11	967.182	904.843	0.904843
4	4	15	9	206	11	0.8	0.12	205.47	18.634	1226.921	1155.378	1.155378
4	4	16	0	95	10	0.8	0.12	90.252	13.363	540.352	493.137	0.493137
4	4	17	4	104	8	0.7	0.12	100.621	11.861	613.677	563.864	0.563864
4	4	18	0	9	8	0.5	0.12	8.491	8.338	44.079	14.449	0.014449
4	4	19	0	0	7	0.5	0.12	0	7	0	0	0
4	4	20	0	0	6	0.5	0.12	0	6	0	0	0
4	4	21	0	0	6	0.4	0.12	0	6	0	0	0
4	4	22	0	0	6	0.3	0.12	0	6	0	0	0
4	4	23	0	0	6	0.3	0.12	0	6	0	0	0
4	5	0	0	0	5	0.4	0.12	0	5	0	0	0
4	5	1	0	0	5	0.3	0.12	0	5	0	0	0
4	5	2	0	0	4	0.3	0.12	0	4	0	0	0
4	5	3	0	0	4	0.3	0.12	0	4	0	0	0
4	5	4	0	0	4	0.3	0.12	0	4	0	0	0
4	5	5	0	0	4	0.3	0.12	0	4	0	0	0
4	5	6	0	5	4	0.3	0.12	4.849	4.18	17.484	0	0
4	5	7	136	88	5	0.4	0.12	118.868	9.902	698.187	645.379	0.645379
4	5	8	497	128	7	0.5	0.12	370.067	22.04	2266.136	2157.77	2.15777
4	5	9	516	193	9	0.6	0.12	556.064	30.943	3300.252	3155.243	3.155243
4	5	10	358	313	11	0.7	0.12	629.724	35.082	3633.272	3476.463	3.476463
4	5	11	246	393	12	0.8	0.12	641.223	35.812	3658.9	3501.183	3.501183
4	5	12	573	304	12	0.7	0.12	899.392	46.363	4938.383	4735.328	4.735328
4	5	13	541	305	12	0.6	0.12	856.658	45.659	4721.849	4526.468	4.526468
4	5	14	382	327	11	0.6	0.12	682.508	37.824	3889.379	3723.495	3.723495
4	5	15	303	281	11	0.5	0.12	517.961	31.983	3032.331	2896.816	2.896816
4	5	16	343	189	10	0.4	0.12	382.791	26.027	2311.864	2201.877	2.201877
4	5	17	355	101	9	0.2	0.12	219.817	18.675	1289.537	1215.776	1.215776
4	5	18	0	20	8	0.2	0.12	18.903	8.826	102.184	70.495	0.070495
4	5	19	0	0	6	0.3	0.13	0	6	0	0	0
4	5	20	0	0	5	0.3	0.13	0	5	0	0	0
4	5	21	0	0	4	0.3	0.13	0	4	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	5	22	0	0	4	0.3	0.13	0	4	0	0	0
4	5	23	0	0	3	0.3	0.13	0	3	0	0	0
4	6	0	0	0	3	0.3	0.13	0	3	0	0	0
4	6	1	0	0	2	0.3	0.13	0	2	0	0	0
4	6	2	0	0	2	0.3	0.13	0	2	0	0	0
4	6	3	0	0	1	0.3	0.13	0	1	0	0	0
4	6	4	0	0	1	0.3	0.13	0	1	0	0	0
4	6	5	0	0	1	0.2	0.13	0	1	0	0	0
4	6	6	39	16	3	0.3	0.13	13.534	3.502	51.141	21.261	0.021261
4	6	7	436	83	6	0.3	0.13	190.454	13.982	1064.986	999.182	0.999182
4	6	8	662	113	10	0.3	0.13	436.773	28.854	2616.901	2496.105	2.496105
4	6	9	772	133	13	0.3	0.13	671.062	41.96	3830.347	3666.554	3.666554
4	6	10	561	240	15	0.4	0.13	731.338	45.513	4063.767	3891.704	3.891704
4	6	11	516	303	16	0.4	0.13	818.599	50.093	4432.867	4247.725	4.247725
4	6	12	337	395	17	0.5	0.13	755.533	47.5	4112.084	3938.309	3.938309
4	6	13	526	316	18	0.5	0.13	854.314	52.536	4572.805	4382.704	4.382704
4	6	14	850	143	19	0.5	0.13	907.616	55.792	4835.918	4636.494	4.636494
4	6	15	806	130	18	0.5	0.13	738.792	48.006	4101.993	3928.575	3.928575
4	6	16	722	113	17	0.4	0.13	520.253	38.822	3022.918	2887.736	2.887736
4	6	17	568	86	15	0.3	0.13	275.867	26.732	1561.256	1477.866	1.477866
4	6	18	240	41	12	0.4	0.13	59.234	14.272	265.679	228.197	0.228197
4	6	19	0	0	11	0.8	0.13	0	11	0	0	0
4	6	20	0	0	11	0.9	0.13	0	11	0	0	0
4	6	21	0	0	10	1	0.13	0	10	0	0	0
4	6	22	0	0	9	0.8	0.13	0	9	0	0	0
4	6	23	0	0	8	0.4	0.13	0	8	0	0	0
4	7	0	0	0	7	0.3	0.13	0	7	0	0	0
4	7	1	0	0	7	0.3	0.13	0	7	0	0	0
4	7	2	0	0	6	0.3	0.13	0	6	0	0	0
4	7	3	0	0	6	0.3	0.13	0	6	0	0	0
4	7	4	0	0	5	0.3	0.13	0	5	0	0	0
4	7	5	0	0	5	0.3	0.13	0	5	0	0	0
4	7	6	49	17	7	0.4	0.13	14.604	7.523	53.824	23.849	0.023849
4	7	7	408	86	10	0.5	0.13	187.745	17.426	1042.686	977.672	0.977672
4	7	8	609	123	13	0.5	0.13	423.318	30.211	2521.212	2403.807	2.403807
4	7	9	717	146	16	0.5	0.13	649.152	42.378	3694.56	3535.579	3.535579
4	7	10	520	255	18	0.6	0.13	713.684	46.086	3952.007	3783.904	3.783904
4	7	11	378	363	19	0.6	0.13	743.595	48.194	4046.864	3875.399	3.875399
4	7	12	465	341	20	0.6	0.13	833.402	52.719	4448.066	4262.386	4.262386
4	7	13	786	192	20	0.6	0.13	976.836	58.422	5113.024	4903.782	4.903782
4	7	14	752	187	20	0.5	0.13	872.419	55.347	4650.592	4457.735	4.457735
4	7	15	686	176	20	0.4	0.13	701.053	49.307	3862.05	3697.134	3.697134
4	7	16	600	149	20	0.3	0.13	490.305	41.186	2811.844	2684.141	2.684141

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	7	17	450	108	18	0.4	0.13	257.848	28.662	1456.846	1377.156	1.377156
4	7	18	156	46	16	0.8	0.13	56.606	17.994	269.737	232.111	0.232111
4	7	19	0	0	16	0.9	0.13	0	16	0	0	0
4	7	20	0	0	16	0.9	0.13	0	16	0	0	0
4	7	21	0	0	15	0.9	0.13	0	15	0	0	0
4	7	22	0	0	13	0.9	0.13	0	13	0	0	0
4	7	23	0	0	11	0.8	0.13	0	11	0	0	0
4	8	0	0	0	10	0.8	0.13	0	10	0	0	0
4	8	1	0	0	9	0.6	0.13	0	9	0	0	0
4	8	2	0	0	9	0.4	0.13	0	9	0	0	0
4	8	3	0	0	9	0.3	0.13	0	9	0	0	0
4	8	4	0	0	8	0.3	0.13	0	8	0	0	0
4	8	5	0	0	8	0.2	0.13	0	8	0	0	0
4	8	6	0	20	10	0.2	0.13	18.471	10.708	68.573	38.075	0.038075
4	8	7	191	92	12	0.3	0.13	138.984	17.898	790.363	734.289	0.734289
4	8	8	291	172	15	0.3	0.13	315.512	28.607	1872.309	1777.898	1.777898
4	8	9	656	168	18	0.4	0.13	631.836	44.433	3560.171	3405.952	3.405952
4	8	10	499	265	20	0.5	0.13	707.283	48.637	3872.263	3706.986	3.706986
4	8	11	449	329	21	0.6	0.13	783.766	51.783	4207.214	4030.068	4.030068
4	8	12	508	332	22	0.7	0.13	866.58	55.092	4579.765	4389.418	4.389418
4	8	13	222	414	21	0.7	0.13	646.602	45.654	3536.553	3383.171	3.383171
4	8	14	461	297	21	0.7	0.13	728.938	48.87	3975.196	3806.271	3.806271
4	8	15	186	303	20	0.6	0.13	447.608	37.602	2545.979	2427.697	2.427697
4	8	16	55	204	19	0.5	0.13	231.347	28.378	1351.539	1275.58	1.27558
4	8	17	334	107	18	0.4	0.13	219.237	27.08	1247.338	1175.072	1.175072
4	8	18	12	40	17	0.4	0.13	38.66	18.588	206.262	170.885	0.170885
4	8	19	0	0	16	0.5	0.13	0	16	0	0	0
4	8	20	0	0	16	0.4	0.13	0	16	0	0	0
4	8	21	0	0	15	0.4	0.13	0	15	0	0	0
4	8	22	0	0	15	0.4	0.13	0	15	0	0	0
4	8	23	0	0	15	0.4	0.13	0	15	0	0	0
4	9	0	0	0	15	0.4	0.13	0	15	0	0	0
4	9	1	0	0	15	0.4	0.13	0	15	0	0	0
4	9	2	0	0	15	0.4	0.13	0	15	0	0	0
4	9	3	0	0	15	0.5	0.13	0	15	0	0	0
4	9	4	0	0	15	0.4	0.13	0	15	0	0	0
4	9	5	0	0	15	0.4	0.13	0	15	0	0	0
4	9	6	0	1	14	0.4	0.13	0.942	14.034	0	0	0
4	9	7	0	23	13	0.4	0.13	21.737	13.909	123.152	90.72	0.09072
4	9	8	23	164	12	0.5	0.13	168.615	18.838	1014.322	950.313	0.950313
4	9	9	489	210	12	0.5	0.13	559.443	34.705	3264.943	3121.185	3.121185
4	9	10	508	270	13	0.4	0.13	720.726	43.053	4037.236	3866.112	3.866112
4	9	11	169	409	15	0.3	0.13	586.15	40.101	3274.5	3130.403	3.130403

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	9	12	171	431	17	0.3	0.13	620.062	43.539	3410.73	3261.806	3.261806
4	9	13	116	413	17	0.3	0.13	543.411	40.254	3022.926	2887.744	2.887744
4	9	14	185	375	17	0.4	0.13	551.396	39.93	3091.863	2954.238	2.954238
4	9	15	100	300	17	0.3	0.13	374.116	33.06	2152.396	2048.06	2.04806
4	9	16	426	191	16	0.2	0.13	435.218	35.384	2540.158	2422.083	2.422083
4	9	17	13	113	15	0.2	0.13	112.031	19.98	662.524	610.98	0.61098
4	9	18	175	47	14	0.4	0.13	59.296	16.335	283.834	245.708	0.245708
4	9	19	0	0	12	0.5	0.13	0	12	0	0	0
4	9	20	0	0	12	0.3	0.13	0	12	0	0	0
4	9	21	0	0	11	0.2	0.13	0	11	0	0	0
4	9	22	0	0	11	0.3	0.13	0	11	0	0	0
4	9	23	0	0	11	0.4	0.13	0	11	0	0	0
4	10	0	0	0	10	0.5	0.13	0	10	0	0	0
4	10	1	0	0	10	0.4	0.13	0	10	0	0	0
4	10	2	0	0	9	0.4	0.13	0	9	0	0	0
4	10	3	0	0	9	0.4	0.13	0	9	0	0	0
4	10	4	0	0	9	0.4	0.13	0	9	0	0	0
4	10	5	0	0	9	0.4	0.13	0	9	0	0	0
4	10	6	0	1	9	0.5	0.13	0.942	9.033	0	0	0
4	10	7	0	76	10	0.5	0.13	72.114	12.927	432.129	388.749	0.388749
4	10	8	217	186	11	0.5	0.13	291.181	22.824	1761.858	1671.361	1.671361
4	10	9	125	280	13	0.6	0.13	370.846	27.586	2188.592	2082.974	2.082974
4	10	10	393	313	15	0.6	0.13	661.381	41.002	3725.058	3564.996	3.564996
4	10	11	133	409	17	0.5	0.13	552.072	39.259	3088.287	2950.789	2.950789
4	10	12	354	397	19	0.5	0.13	774.614	50.267	4165.528	3989.859	3.989859
4	10	13	89	406	20	0.6	0.13	499.162	39.545	2778.229	2651.718	2.651718
4	10	14	73	357	21	0.7	0.13	424.803	37.192	2388.402	2275.703	2.275703
4	10	15	232	302	20	0.7	0.13	480.083	38.365	2728.226	2603.486	2.603486
4	10	16	10	172	20	0.7	0.13	170.694	26.534	991.241	928.05	0.92805
4	10	17	0	84	19	0.6	0.13	79.792	22.149	462.478	418.023	0.418023
4	10	18	32	45	18	0.5	0.13	44.931	19.785	236.799	200.34	0.20034
4	10	19	0	0	17	0.5	0.13	0	17	0	0	0
4	10	20	0	0	17	0.5	0.13	0	17	0	0	0
4	10	21	0	0	16	0.5	0.13	0	16	0	0	0
4	10	22	0	0	16	0.5	0.13	0	16	0	0	0
4	10	23	0	0	16	0.5	0.13	0	16	0	0	0
4	11	0	0	0	16	0.5	0.13	0	16	0	0	0
4	11	1	0	0	16	0.6	0.13	0	16	0	0	0
4	11	2	0	0	16	0.6	0.13	0	16	0	0	0
4	11	3	0	0	16	0.6	0.13	0	16	0	0	0
4	11	4	0	0	17	0.6	0.13	0	17	0	0	0
4	11	5	0	0	17	0.5	0.13	0	17	0	0	0
4	11	6	0	4	17	0.5	0.13	3.772	17.132	12.516	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	11	7	0	7	17	0.6	0.13	6.608	17.261	34.8	5.499	0.005499
4	11	8	69	187	19	0.8	0.13	216.89	27.093	1274.278	1201.058	1.201058
4	11	9	149	284	20	0.9	0.13	391.45	34.196	2254.068	2146.129	2.146129
4	11	10	0	59	21	1	0.13	56.009	22.971	309.649	270.609	0.270609
4	11	11	39	351	22	1.1	0.13	391.53	35.428	2202.344	2096.238	2.096238
4	11	12	13	254	22	1.1	0.13	259.005	30.875	1462.776	1382.876	1.382876
4	11	13	12	247	22	1.1	0.13	250.727	30.594	1417.549	1339.251	1.339251
4	11	14	224	377	22	1.1	0.13	587.319	42.197	3267.645	3123.792	3.123792
4	11	15	504	255	22	1.1	0.13	645.51	44.283	3613.394	3457.289	3.457289
4	11	16	97	219	21	1.1	0.13	269.22	30.296	1569.802	1486.109	1.486109
4	11	17	33	121	19	1	0.13	127.738	23.522	745.692	691.202	0.691202
4	11	18	0	28	16	0.9	0.13	26.495	16.953	143.513	110.359	0.110359
4	11	19	0	0	14	0.7	0.13	0	14	0	0	0
4	11	20	0	0	13	0.7	0.13	0	13	0	0	0
4	11	21	0	0	12	0.7	0.13	0	12	0	0	0
4	11	22	0	0	11	0.6	0.13	0	11	0	0	0
4	11	23	0	0	10	0.5	0.13	0	10	0	0	0
4	12	0	0	0	9	0.5	0.13	0	9	0	0	0
4	12	1	0	0	8	0.4	0.13	0	8	0	0	0
4	12	2	0	0	7	0.4	0.13	0	7	0	0	0
4	12	3	0	0	7	0.3	0.13	0	7	0	0	0
4	12	4	0	0	6	0.3	0.13	0	6	0	0	0
4	12	5	0	0	6	0.3	0.13	0	6	0	0	0
4	12	6	0	6	6	0.5	0.13	5.66	6.204	21.893	0	0
4	12	7	0	58	7	0.8	0.13	54.95	9.052	331.161	291.359	0.291359
4	12	8	0	69	8	0.9	0.13	65.401	10.375	392.198	350.233	0.350233
4	12	9	0	120	9	1	0.13	114.315	13.032	684.274	631.959	0.631959
4	12	10	23	282	9	1.1	0.13	293.402	19.074	1755.193	1664.932	1.664932
4	12	11	1	143	10	1.1	0.13	137.771	14.722	813.351	756.463	0.756463
4	12	12	0	64	10	1.1	0.13	60.849	12.084	351.186	310.674	0.310674
4	12	13	29	339	10	1.1	0.13	369.995	22.684	2182.523	2077.119	2.077119
4	12	14	4	170	10	1	0.13	166.559	15.859	988.927	925.818	0.925818
4	12	15	0	134	9	0.9	0.13	127.882	13.624	764.467	709.311	0.709311
4	12	16	0	72	8	0.8	0.13	68.264	10.542	408.208	365.676	0.365676
4	12	17	0	16	7	0.7	0.13	15.119	7.58	86.865	55.719	0.055719
4	12	18	0	5	6	0.5	0.13	4.716	6.19	24.868	0	0
4	12	19	0	0	5	0.5	0.13	0	5	0	0	0
4	12	20	0	0	4	0.6	0.13	0	4	0	0	0
4	12	21	0	0	4	0.6	0.13	0	4	0	0	0
4	12	22	0	0	3	0.6	0.13	0	3	0	0	0
4	12	23	0	0	3	0.6	0.13	0	3	0	0	0
4	13	0	0	0	3	0.6	0.13	0	3	0	0	0
4	13	1	0	0	3	0.6	0.13	0	3	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	13	2	0	0	3	0.6	0.13	0	3	0	0	0
4	13	3	0	0	3	0.5	0.13	0	3	0	0	0
4	13	4	0	0	3	0.5	0.13	0	3	0	0	0
4	13	5	0	0	3	0.5	0.13	0	3	0	0	0
4	13	6	0	16	3	0.5	0.13	15.127	3.567	68.085	37.604	0.037604
4	13	7	0	87	3	0.6	0.13	82.533	6.256	511.058	464.881	0.464881
4	13	8	0	91	4	0.6	0.13	86.403	7.403	529.817	482.975	0.482975
4	13	9	0	151	5	0.7	0.13	144.397	10.513	879.813	820.57	0.82057
4	13	10	0	101	6	0.7	0.13	96.06	9.659	573.828	525.427	0.525427
4	13	11	0	61	7	0.7	0.13	57.969	9.205	338.513	298.45	0.29845
4	13	12	0	140	7	0.6	0.13	133.996	12.237	796.249	739.966	0.739966
4	13	13	2	149	7	0.6	0.13	144.622	12.655	861.471	802.878	0.802878
4	13	14	60	351	6	0.5	0.13	406.325	22.383	2417.091	2303.376	2.303376
4	13	15	36	268	6	0.5	0.13	292.946	17.832	1771.829	1680.978	1.680978
4	13	16	0	146	6	0.5	0.13	139.577	11.651	852.99	794.698	0.794698
4	13	17	0	96	5	0.4	0.13	91.233	8.815	561.508	513.543	0.513543
4	13	18	0	8	4	0.3	0.13	7.549	4.322	41.147	11.621	0.011621
4	13	19	0	0	3	0.3	0.13	0	3	0	0	0
4	13	20	0	0	3	0.4	0.13	0	3	0	0	0
4	13	21	0	0	2	0.3	0.13	0	2	0	0	0
4	13	22	0	0	2	0.3	0.13	0	2	0	0	0
4	13	23	0	0	2	0.3	0.13	0	2	0	0	0
4	14	0	0	0	2	0.3	0.13	0	2	0	0	0
4	14	1	0	0	1	0.3	0.13	0	1	0	0	0
4	14	2	0	0	1	0.3	0.13	0	1	0	0	0
4	14	3	0	0	1	0.3	0.13	0	1	0	0	0
4	14	4	0	0	0	0.3	0.13	0	0	0	0	0
4	14	5	0	0	0	0.3	0.13	0	0	0	0	0
4	14	6	0	24	0	0.4	0.13	22.534	0.888	111.078	79.074	0.079074
4	14	7	35	103	2	0.5	0.13	108.012	6.372	667.147	615.439	0.615439
4	14	8	211	195	5	0.5	0.13	298.717	17.129	1848.031	1754.48	1.75448
4	14	9	494	216	6	0.5	0.13	573.295	29.258	3413.642	3264.615	3.264615
4	14	10	334	338	7	0.5	0.13	639.096	32.839	3708.783	3549.298	3.549298
4	14	11	135	416	8	0.6	0.13	560.668	29.963	3252.339	3109.028	3.109028
4	14	12	42	378	9	0.6	0.13	424.436	25.602	2480.557	2364.593	2.364593
4	14	13	71	401	9	0.7	0.13	475.467	27.098	2774.445	2648.067	2.648067
4	14	14	16	268	9	0.7	0.13	273.853	19.428	1628.822	1543.038	1.543038
4	14	15	4	183	8	0.7	0.13	178.589	14.813	1074.811	1008.659	1.008659
4	14	16	24	192	7	0.6	0.13	197.8	14.786	1209.765	1138.831	1.138831
4	14	17	0	81	6	0.4	0.13	76.857	9.214	469.226	424.532	0.424532
4	14	18	36	50	4	0.2	0.13	49.892	6.177	282.499	244.421	0.244421
4	14	19	0	0	2	0.2	0.13	0	2	0	0	0
4	14	20	0	0	2	0.2	0.13	0	2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	14	21	0	0	1	0.2	0.13	0	1	0	0	0
4	14	22	0	0	1	0.3	0.13	0	1	0	0	0
4	14	23	0	0	0	0.3	0.13	0	0	0	0	0
4	15	0	0	0	0	0.2	0.13	0	0	0	0	0
4	15	1	0	0	0	0.2	0.13	0	0	0	0	0
4	15	2	0	0	0	0.3	0.13	0	0	0	0	0
4	15	3	0	0	-1	0.6	0.13	0	-1	0	0	0
4	15	4	0	0	-1	0.8	0.13	0	-1	0	0	0
4	15	5	0	0	-1	0.7	0.13	0	-1	0	0	0
4	15	6	201	33	0	0.4	0.13	33.856	1.283	151.882	118.432	0.118432
4	15	7	596	79	3	0.2	0.13	241.546	13.472	1375.028	1298.238	1.298238
4	15	8	768	103	7	0.2	0.13	493.438	29	2971.607	2838.244	2.838244
4	15	9	860	117	10	0.3	0.13	728.222	41.413	4159.86	3984.392	3.984392
4	15	10	918	122	11	0.2	0.13	914.117	51.604	4962.073	4758.179	4.758179
4	15	11	933	133	13	0.2	0.13	1033.029	58.827	5400.633	5181.199	5.181199
4	15	12	938	136	14	0.1	0.13	1078.676	63.402	5512.231	5288.843	5.288843
4	15	13	938	131	15	0.1	0.13	1051.423	63.168	5387.301	5168.339	5.168339
4	15	14	909	128	15	0.1	0.13	942.237	58.21	4961.776	4757.893	4.757893
4	15	15	860	121	15	0.1	0.13	772.645	50.497	4240.039	4061.73	4.06173
4	15	16	782	107	14	0.1	0.13	549.777	39.327	3186.218	3045.249	3.045249
4	15	17	640	85	13	0.4	0.13	301.195	25.43	1719.808	1630.8	1.6308
4	15	18	342	48	10	0.8	0.13	76.194	12.601	344.61	304.331	0.304331
4	15	19	0	0	8	1	0.13	0	8	0	0	0
4	15	20	0	0	6	1	0.13	0	6	0	0	0
4	15	21	0	0	4	0.8	0.13	0	4	0	0	0
4	15	22	0	0	2	0.5	0.13	0	2	0	0	0
4	15	23	0	0	2	0.3	0.13	0	2	0	0	0
4	16	0	0	0	1	0.3	0.13	0	1	0	0	0
4	16	1	0	0	1	0.3	0.13	0	1	0	0	0
4	16	2	0	0	1	0.3	0.13	0	1	0	0	0
4	16	3	0	0	0	0.3	0.13	0	0	0	0	0
4	16	4	0	0	0	0.3	0.13	0	0	0	0	0
4	16	5	0	0	0	0.3	0.13	0	0	0	0	0
4	16	6	259	32	2	0.3	0.13	36.302	3.407	158.639	124.95	0.12495
4	16	7	635	71	6	0.4	0.13	245.732	16.007	1382.042	1305.003	1.305003
4	16	8	795	92	10	0.4	0.13	497.151	30.843	2975.135	2841.646	2.841646
4	16	9	875	107	13	0.5	0.13	729.766	42.651	4148.279	3973.221	3.973221
4	16	10	917	117	15	0.6	0.13	909.377	50.83	4952.354	4748.804	4.748804
4	16	11	937	123	16	0.7	0.13	1027.412	55.32	5454.197	5232.865	5.232865
4	16	12	943	126	17	0.7	0.13	1073.931	58.081	5618.832	5391.666	5.391666
4	16	13	937	123	18	0.7	0.13	1042.622	57.895	5468.512	5246.673	5.246673
4	16	14	917	116	18	0.7	0.13	937.186	53.898	5028.867	4822.607	4.822607
4	16	15	876	108	17	0.6	0.13	771.129	47.428	4287.617	4107.622	4.107622

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	16	16	802	96	16	0.5	0.13	549.459	38.372	3197.815	3056.435	3.056435
4	16	17	667	77	15	0.4	0.13	302.492	27.478	1710.732	1622.046	1.622046
4	16	18	377	45	12	0.3	0.13	77.829	15.041	341.011	300.86	0.30086
4	16	19	0	0	10	0.3	0.13	0	10	0	0	0
4	16	20	0	0	9	0.3	0.13	0	9	0	0	0
4	16	21	0	0	9	0.3	0.13	0	9	0	0	0
4	16	22	0	0	8	0.3	0.13	0	8	0	0	0
4	16	23	0	0	7	0.3	0.13	0	7	0	0	0
4	17	0	0	0	7	0.3	0.13	0	7	0	0	0
4	17	1	0	0	6	0.3	0.13	0	6	0	0	0
4	17	2	0	0	6	0.3	0.13	0	6	0	0	0
4	17	3	0	0	6	0.3	0.13	0	6	0	0	0
4	17	4	0	0	6	0.3	0.13	0	6	0	0	0
4	17	5	0	0	6	0.3	0.13	0	6	0	0	0
4	17	6	184	37	8	0.3	0.13	38.083	9.522	176.164	141.853	0.141853
4	17	7	301	100	11	0.4	0.13	182.57	18.514	1044.874	979.782	0.979782
4	17	8	715	113	15	0.4	0.13	480.343	35.134	2822.19	2694.121	2.694121
4	17	9	514	212	18	0.5	0.13	585.447	41.748	3316.57	3170.982	3.170982
4	17	10	536	267	19	0.5	0.13	746.441	49.21	4070.87	3898.555	3.898555
4	17	11	524	321	20	0.5	0.13	849.894	54.346	4508.854	4321.019	4.321019
4	17	12	869	161	21	0.5	0.13	1045.702	63.31	5343.018	5125.626	5.125626
4	17	13	580	309	22	0.6	0.13	900.864	57.38	4715.898	4520.727	4.520727
4	17	14	818	163	22	0.6	0.13	904.745	57.616	4771.185	4574.055	4.574055
4	17	15	773	149	21	0.5	0.13	739.575	51.015	4043.308	3871.969	3.871969
4	17	16	691	130	20	0.4	0.13	523.534	41.941	2994.492	2860.317	2.860317
4	17	17	545	101	19	0.3	0.13	285.991	31.186	1602.373	1517.526	1.517526
4	17	18	268	54	16	0.2	0.13	75.228	19.125	351.111	310.601	0.310601
4	17	19	0	0	14	0.2	0.13	0	14	0	0	0
4	17	20	0	0	13	0.3	0.13	0	13	0	0	0
4	17	21	0	0	13	0.3	0.13	0	13	0	0	0
4	17	22	0	0	13	0.3	0.13	0	13	0	0	0
4	17	23	0	0	13	0.2	0.13	0	13	0	0	0
4	18	0	0	0	12	0.2	0.13	0	12	0	0	0
4	18	1	0	0	11	0.2	0.13	0	11	0	0	0
4	18	2	0	0	10	0.2	0.13	0	10	0	0	0
4	18	3	0	0	9	0.2	0.13	0	9	0	0	0
4	18	4	0	0	9	0.2	0.13	0	9	0	0	0
4	18	5	0	0	9	0.2	0.13	0	9	0	0	0
4	18	6	225	36	11	0.3	0.13	39.242	12.554	175.061	140.79	0.14079
4	18	7	570	80	13	0.4	0.13	239.729	22.794	1326.331	1251.265	1.251265
4	18	8	743	102	17	0.4	0.13	484.64	37.318	2825.12	2696.947	2.696947
4	18	9	839	115	19	0.4	0.13	715.917	48.952	3961.418	3792.981	3.792981
4	18	10	890	123	20	0.5	0.13	895.022	56.283	4760.12	4563.382	4.563382

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	18	11	913	128	21	0.6	0.13	1011.606	60.803	5242.867	5029.024	5.029024
4	18	12	919	130	22	0.6	0.13	1055.607	63.515	5392.242	5173.106	5.173106
4	18	13	887	143	22	0.7	0.13	1015.843	60.86	5257.544	5043.18	5.04318
4	18	14	864	136	22	0.7	0.13	917.523	57.134	4851.346	4651.376	4.651376
4	18	15	817	127	21	0.6	0.13	747.842	50.499	4100.465	3927.101	3.927101
4	18	16	349	205	20	0.5	0.13	402.235	36.338	2326.937	2216.416	2.216416
4	18	17	250	129	19	0.3	0.13	211.129	28.037	1206.58	1135.758	1.135758
4	18	18	2	48	16	0.2	0.13	45.119	17.991	252.174	215.17	0.21517
4	18	19	0	0	15	0.2	0.13	0	15	0	0	0
4	18	20	0	0	15	0.2	0.13	0	15	0	0	0
4	18	21	0	0	14	0.2	0.13	0	14	0	0	0
4	18	22	0	0	13	0.2	0.13	0	13	0	0	0
4	18	23	0	0	13	0.2	0.13	0	13	0	0	0
4	19	0	0	0	13	0.2	0.13	0	13	0	0	0
4	19	1	0	0	12	0.3	0.13	0	12	0	0	0
4	19	2	0	0	12	0.2	0.13	0	12	0	0	0
4	19	3	0	0	11	0.2	0.13	0	11	0	0	0
4	19	4	0	0	11	0.3	0.13	0	11	0	0	0
4	19	5	0	0	11	0.2	0.13	0	11	0	0	0
4	19	6	0	11	12	0.2	0.13	10.385	12.452	53.053	23.105	0.023105
4	19	7	0	12	13	0.3	0.13	11.335	13.489	62.526	32.242	0.032242
4	19	8	11	168	13	0.5	0.13	166.261	19.736	992.765	929.519	0.929519
4	19	9	93	293	14	0.6	0.13	355.773	27.979	2086.45	1984.451	1.984451
4	19	10	67	352	15	0.7	0.13	410.009	30.626	2364.24	2252.398	2.252398
4	19	11	0	43	16	0.7	0.13	40.857	17.553	226.597	190.499	0.190499
4	19	12	487	359	16	0.7	0.13	875.827	49.422	4729.156	4533.515	4.533515
4	19	13	152	436	15	0.6	0.13	599.76	38.487	3362.273	3215.066	3.215066
4	19	14	7	199	14	0.5	0.13	197.434	21.952	1149.756	1080.948	1.080948
4	19	15	104	315	13	0.4	0.13	390.544	29.255	2279.132	2170.305	2.170305
4	19	16	0	29	13	0.3	0.13	27.455	14.18	155.306	121.735	0.121735
4	19	17	69	136	12	0.2	0.13	153.702	18.819	916.769	856.216	0.856216
4	19	18	0	10	11	0.3	0.13	9.438	11.404	50.79	20.922	0.020922
4	19	19	0	0	9	0.5	0.13	0	9	0	0	0
4	19	20	0	0	9	0.6	0.13	0	9	0	0	0
4	19	21	0	0	9	0.6	0.13	0	9	0	0	0
4	19	22	0	0	8	0.5	0.13	0	8	0	0	0
4	19	23	0	0	7	0.3	0.13	0	7	0	0	0
4	20	0	0	0	7	0.1	0.13	0	7	0	0	0
4	20	1	0	0	7	0.1	0.13	0	7	0	0	0
4	20	2	0	0	7	0.2	0.13	0	7	0	0	0
4	20	3	0	0	7	0.1	0.13	0	7	0	0	0
4	20	4	0	0	7	0.1	0.13	0	7	0	0	0
4	20	5	0	0	7	0.2	0.13	0	7	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	20	6	146	43	8	0.2	0.13	43.938	9.854	218.353	182.548	0.182548
4	20	7	458	103	10	0.2	0.13	231.609	20.114	1315.759	1241.068	1.241068
4	20	8	633	134	13	0.2	0.13	464.016	33.684	2738.509	2613.405	2.613405
4	20	9	738	151	15	0.2	0.13	686.087	45.514	3842.47	3678.248	3.678248
4	20	10	27	302	16	0.2	0.13	323.909	30.302	1856.037	1762.202	1.762202
4	20	11	6	178	17	0.2	0.13	176.578	24.784	1009.15	945.324	0.945324
4	20	12	3	153	17	0.2	0.13	149.584	23.59	852.116	793.854	0.793854
4	20	13	0	134	17	0.2	0.13	128.099	22.644	728.695	674.806	0.674806
4	20	14	0	118	16	0.2	0.13	112.477	20.962	643.709	592.832	0.592832
4	20	15	0	84	15	0.1	0.13	79.752	18.641	458.011	413.714	0.413714
4	20	16	0	35	15	0.1	0.13	33.143	16.518	187.069	152.372	0.152372
4	20	17	0	45	14	0.1	0.13	42.594	15.957	246.642	209.834	0.209834
4	20	18	116	67	13	0.2	0.13	72.661	16.135	385.712	343.977	0.343977
4	20	19	0	0	11	0.4	0.13	0	11	0	0	0
4	20	20	0	0	10	0.6	0.13	0	10	0	0	0
4	20	21	0	0	9	0.7	0.13	0	9	0	0	0
4	20	22	0	0	9	0.7	0.13	0	9	0	0	0
4	20	23	0	0	9	0.5	0.13	0	9	0	0	0
4	21	0	0	0	9	0.4	0.13	0	9	0	0	0
4	21	1	0	0	8	0.6	0.13	0	8	0	0	0
4	21	2	0	0	7	0.8	0.13	0	7	0	0	0
4	21	3	0	0	6	0.8	0.13	0	6	0	0	0
4	21	4	0	0	5	0.6	0.13	0	5	0	0	0
4	21	5	0	0	6	0.3	0.13	0	6	0	0	0
4	21	6	204	43	8	0.2	0.13	46.454	9.934	222.446	186.496	0.186496
4	21	7	0	93	11	0.3	0.13	88.077	14.797	528.615	481.816	0.481816
4	21	8	23	183	14	0.3	0.13	186.887	22.04	1110.321	1042.91	1.04291
4	21	9	788	133	17	0.3	0.13	702.367	47.279	3907.709	3741.175	3.741175
4	21	10	848	138	19	0.3	0.13	882.909	56.988	4676.318	4482.549	4.482549
4	21	11	878	140	20	0.3	0.13	992.85	62.67	5100.664	4891.859	4.891859
4	21	12	885	141	21	0.3	0.13	1034.748	65.452	5238.188	5024.51	5.02451
4	21	13	60	400	21	0.3	0.13	462.032	40.749	2547.773	2429.427	2.429427
4	21	14	11	239	21	0.3	0.13	240.234	31.273	1355.746	1279.638	1.279638
4	21	15	209	320	20	0.3	0.13	479.619	40.595	2692.945	2569.455	2.569455
4	21	16	27	202	19	0.3	0.13	208.776	27.975	1212.295	1141.271	1.141271
4	21	17	31	131	18	0.2	0.13	136.036	24.043	794.551	738.329	0.738329
4	21	18	223	62	16	0.3	0.13	78.836	19.225	386.459	344.698	0.344698
4	21	19	0	0	14	0.5	0.13	0	14	0	0	0
4	21	20	0	0	13	0.4	0.13	0	13	0	0	0
4	21	21	0	0	12	0.2	0.13	0	12	0	0	0
4	21	22	0	0	12	0.2	0.13	0	12	0	0	0
4	21	23	0	0	11	0.2	0.13	0	11	0	0	0
4	22	0	0	0	11	0.2	0.13	0	11	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	22	1	0	0	10	0.2	0.13	0	10	0	0	0
4	22	2	0	0	10	0.2	0.13	0	10	0	0	0
4	22	3	0	0	9	0.2	0.13	0	9	0	0	0
4	22	4	0	0	9	0.2	0.13	0	9	0	0	0
4	22	5	0	0	10	0.2	0.13	0	10	0	0	0
4	22	6	209	43	12	0.3	0.13	47.244	13.905	222.083	186.146	0.186146
4	22	7	520	90	14	0.3	0.13	240.348	24.159	1339.493	1263.962	1.263962
4	22	8	684	115	17	0.4	0.13	473.312	36.842	2762.979	2637.008	2.637008
4	22	9	776	130	20	0.4	0.13	691.944	48.936	3822.229	3658.724	3.658724
4	22	10	851	127	21	0.4	0.13	874.811	57.514	4623.786	4431.879	4.431879
4	22	11	880	130	22	0.4	0.13	985.128	63.072	5053.048	4845.93	4.84593
4	22	12	895	129	23	0.4	0.13	1032.764	66.041	5215.336	5002.468	5.002468
4	22	13	158	431	24	0.4	0.13	599.462	48.88	3218.938	3076.81	3.07681
4	22	14	165	395	24	0.3	0.13	551.362	47.617	2985.893	2852.023	2.852023
4	22	15	399	279	23	0.3	0.13	585.197	48.161	3208.16	3066.414	3.066414
4	22	16	200	233	22	0.2	0.13	343.111	37.247	1960.154	1862.63	1.86263
4	22	17	403	113	21	0.2	0.13	249.441	31.99	1397.616	1320.025	1.320025
4	22	18	304	55	18	0.3	0.13	80.636	21.236	370.446	329.251	0.329251
4	22	19	0	0	16	0.3	0.13	0	16	0	0	0
4	22	20	0	0	15	0.2	0.13	0	15	0	0	0
4	22	21	0	0	15	0.2	0.13	0	15	0	0	0
4	22	22	0	0	14	0.2	0.13	0	14	0	0	0
4	22	23	0	0	13	0.2	0.13	0	13	0	0	0
4	23	0	0	0	12	0.2	0.13	0	12	0	0	0
4	23	1	0	0	12	0.2	0.13	0	12	0	0	0
4	23	2	0	0	11	0.2	0.13	0	11	0	0	0
4	23	3	0	0	11	0.2	0.13	0	11	0	0	0
4	23	4	0	0	10	0.2	0.13	0	10	0	0	0
4	23	5	0	0	11	0.2	0.13	0	11	0	0	0
4	23	6	106	40	13	0.2	0.13	40.827	14.741	204.736	169.413	0.169413
4	23	7	461	104	16	0.3	0.13	236.343	26.014	1317.552	1242.798	1.242798
4	23	8	633	133	19	0.3	0.13	466.359	39.149	2693.715	2570.198	2.570198
4	23	9	731	152	22	0.3	0.13	685.169	51.527	3738.956	3578.402	3.578402
4	23	10	789	163	23	0.3	0.13	859.652	59.974	4489.506	4302.357	4.302357
4	23	11	818	169	24	0.4	0.13	973.837	64.585	4955.277	4751.624	4.751624
4	23	12	835	167	25	0.4	0.13	1020.762	67.524	5114.434	4905.141	4.905141
4	23	13	825	167	25	0.3	0.13	989.557	67.507	4965.7	4761.677	4.761677
4	23	14	803	158	25	0.3	0.13	887.456	63.16	4564.287	4374.488	4.374488
4	23	15	762	143	25	0.3	0.13	726.049	56.277	3877.336	3711.879	3.711879
4	23	16	687	125	24	0.3	0.13	517.511	46.352	2902.957	2772.026	2.772026
4	23	17	545	101	22	0.2	0.13	287.614	34.651	1591.548	1507.085	1.507085
4	23	18	286	58	19	0.2	0.13	81.808	22.408	380.84	339.277	0.339277
4	23	19	0	0	16	0.2	0.13	0	16	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	23	20	0	0	16	0.2	0.13	0	16	0	0	0
4	23	21	0	0	16	0.3	0.13	0	16	0	0	0
4	23	22	0	0	16	0.3	0.13	0	16	0	0	0
4	23	23	0	0	15	0.3	0.13	0	15	0	0	0
4	24	0	0	0	14	0.3	0.13	0	14	0	0	0
4	24	1	0	0	14	0.3	0.13	0	14	0	0	0
4	24	2	0	0	13	0.3	0.13	0	13	0	0	0
4	24	3	0	0	13	0.3	0.13	0	13	0	0	0
4	24	4	0	0	12	0.3	0.13	0	12	0	0	0
4	24	5	0	0	12	0.3	0.13	0	12	0	0	0
4	24	6	154	50	13	0.3	0.13	52.141	15.145	260.113	222.828	0.222828
4	24	7	243	118	15	0.4	0.13	185.675	22.679	1063.879	998.113	0.998113
4	24	8	611	145	17	0.5	0.13	467.925	36.039	2735.731	2610.725	2.610725
4	24	9	717	162	20	0.5	0.13	686.39	47.856	3801.843	3639.06	3.63906
4	24	10	770	175	22	0.5	0.13	859.542	56.815	4548.421	4359.185	4.359185
4	24	11	795	184	23	0.5	0.13	967.623	62.148	4975.089	4770.734	4.770734
4	24	12	474	367	24	0.4	0.13	871.009	60.213	4486.257	4299.223	4.299223
4	24	13	324	414	25	0.4	0.13	752.141	56.252	3934.816	3767.322	3.767322
4	24	14	42	345	24	0.3	0.13	381.74	40.33	2105.68	2003	2.003
4	24	15	392	283	23	0.3	0.13	583.865	48.1	3199.939	3058.485	3.058485
4	24	16	161	238	22	0.2	0.13	326.131	36.486	1863.281	1769.19	1.76919
4	24	17	233	138	21	0.2	0.13	214.328	30.473	1216.516	1145.342	1.145342
4	24	18	32	60	19	0.2	0.13	58.79	21.582	321.217	281.767	0.281767
4	24	19	0	0	18	0.2	0.13	0	18	0	0	0
4	24	20	0	0	18	0.2	0.13	0	18	0	0	0
4	24	21	0	0	17	0.2	0.13	0	17	0	0	0
4	24	22	0	0	17	0.2	0.13	0	17	0	0	0
4	24	23	0	0	17	0.1	0.13	0	17	0	0	0
4	25	0	0	0	17	0.1	0.13	0	17	0	0	0
4	25	1	0	0	17	0.3	0.13	0	17	0	0	0
4	25	2	0	0	17	0.4	0.13	0	17	0	0	0
4	25	3	0	0	16	0.4	0.13	0	16	0	0	0
4	25	4	0	0	16	0.3	0.13	0	16	0	0	0
4	25	5	0	0	16	0.2	0.13	0	16	0	0	0
4	25	6	137	43	17	0.2	0.13	45.741	18.941	222.711	186.751	0.186751
4	25	7	240	126	18	0.3	0.13	192.871	26.228	1093.599	1026.781	1.026781
4	25	8	638	126	20	0.4	0.13	463.991	39.448	2677.427	2554.487	2.554487
4	25	9	716	149	21	0.4	0.13	673.175	49.138	3708.977	3549.486	3.549486
4	25	10	755	169	22	0.5	0.13	840.916	56.059	4464.654	4278.386	4.278386
4	25	11	780	180	23	0.5	0.13	949.553	61.415	4898.733	4697.084	4.697084
4	25	12	801	177	24	0.6	0.13	997.746	63.211	5096.072	4887.429	4.887429
4	25	13	760	198	25	0.6	0.13	963.488	62.867	4932.342	4729.501	4.729501
4	25	14	77	379	25	0.6	0.13	447.728	42.536	2459.318	2344.107	2.344107

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	25	15	270	316	24	0.5	0.13	526.425	45.296	2905.721	2774.692	2.774692
4	25	16	247	232	23	0.4	0.13	372.05	38.546	2119.903	2016.719	2.016719
4	25	17	464	119	22	0.3	0.13	276.425	33.8	1540.974	1458.303	1.458303
4	25	18	234	64	21	0.3	0.13	82.519	24.378	397.213	355.07	0.35507
4	25	19	0	0	20	0.3	0.13	0	20	0	0	0
4	25	20	0	0	19	0.3	0.13	0	19	0	0	0
4	25	21	0	0	19	0.3	0.13	0	19	0	0	0
4	25	22	0	0	19	0.3	0.13	0	19	0	0	0
4	25	23	0	0	19	0.4	0.13	0	19	0	0	0
4	26	0	0	0	19	0.4	0.13	0	19	0	0	0
4	26	1	0	0	19	0.4	0.13	0	19	0	0	0
4	26	2	0	0	19	0.4	0.13	0	19	0	0	0
4	26	3	0	0	18	0.4	0.13	0	18	0	0	0
4	26	4	0	0	17	0.3	0.13	0	17	0	0	0
4	26	5	0	0	15	0.3	0.13	0	15	0	0	0
4	26	6	46	44	14	0.4	0.13	42.552	15.74	227.501	191.372	0.191372
4	26	7	0	35	14	0.5	0.13	33.109	15.344	190.231	155.422	0.155422
4	26	8	0	139	14	0.5	0.13	132.375	19.36	783.069	727.254	0.727254
4	26	9	21	245	15	0.5	0.13	250.778	25.126	1466.137	1386.118	1.386118
4	26	10	555	276	15	0.5	0.13	775.782	46.384	4274.134	4094.616	4.094616
4	26	11	796	210	16	0.5	0.13	1001.215	56.497	5268.861	5054.096	5.054096
4	26	12	807	213	17	0.5	0.13	1046.703	59.319	5428.7	5208.272	5.208272
4	26	13	815	200	18	0.5	0.13	1013.911	59.009	5276.3	5061.272	5.061272
4	26	14	796	186	19	0.5	0.13	913.893	56.001	4843.209	4643.527	4.643527
4	26	15	748	170	18	0.5	0.13	743.871	48.172	4106.849	3933.259	3.933259
4	26	16	658	151	17	0.4	0.13	527.964	39.111	3047.225	2911.182	2.911182
4	26	17	508	120	16	0.3	0.13	292.573	28.486	1667.715	1580.553	1.580553
4	26	18	247	68	13	0.2	0.13	87.62	16.703	437.639	394.064	0.394064
4	26	19	0	0	10	0.2	0.13	0	10	0	0	0
4	26	20	0	0	9	0.2	0.13	0	9	0	0	0
4	26	21	0	0	9	0.4	0.13	0	9	0	0	0
4	26	22	0	0	8	0.4	0.13	0	8	0	0	0
4	26	23	0	0	7	0.3	0.13	0	7	0	0	0
4	27	0	0	0	7	0.2	0.13	0	7	0	0	0
4	27	1	0	0	7	0.2	0.13	0	7	0	0	0
4	27	2	0	0	7	0.2	0.13	0	7	0	0	0
4	27	3	0	0	6	0.2	0.13	0	6	0	0	0
4	27	4	0	0	6	0.2	0.13	0	6	0	0	0
4	27	5	0	0	6	0.2	0.13	0	6	0	0	0
4	27	6	208	53	8	0.2	0.13	58.732	10.471	292.006	253.592	0.253592
4	27	7	499	107	10	0.3	0.13	254.063	20.774	1453.75	1374.17	1.37417
4	27	8	277	211	13	0.4	0.13	355.887	27.883	2121.107	2017.88	2.01788
4	27	9	415	266	15	0.4	0.13	574.814	38.983	3276.362	3132.2	3.1322

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	27	10	503	293	17	0.4	0.13	748.371	48.172	4088.247	3915.316	3.915316
4	27	11	396	380	18	0.3	0.13	780.87	51.465	4177.971	4001.861	4.001861
4	27	12	280	444	18	0.3	0.13	748.567	50.039	4011.026	3840.831	3.840831
4	27	13	186	446	18	0.3	0.13	641.01	45.425	3494.676	3342.778	3.342778
4	27	14	180	401	18	0.3	0.13	569.522	42.393	3152.626	3012.848	3.012848
4	27	15	20	255	18	0.2	0.13	260.533	29.518	1495.087	1414.042	1.414042
4	27	16	15	192	18	0.2	0.13	191.996	26.512	1116.212	1048.592	1.048592
4	27	17	29	136	17	0.2	0.13	139.807	23.21	820.206	763.075	0.763075
4	27	18	0	19	14	0.2	0.13	17.951	14.795	98.895	67.323	0.067323
4	27	19	0	0	12	0.2	0.13	0	12	0	0	0
4	27	20	0	0	11	0.2	0.13	0	11	0	0	0
4	27	21	0	0	11	0.3	0.13	0	11	0	0	0
4	27	22	0	0	10	0.4	0.13	0	10	0	0	0
4	27	23	0	0	10	0.4	0.13	0	10	0	0	0
4	28	0	0	0	9	0.4	0.13	0	9	0	0	0
4	28	1	0	0	9	0.4	0.13	0	9	0	0	0
4	28	2	0	0	8	0.4	0.13	0	8	0	0	0
4	28	3	0	0	7	0.4	0.13	0	7	0	0	0
4	28	4	0	0	7	0.3	0.13	0	7	0	0	0
4	28	5	0	0	7	0.3	0.13	0	7	0	0	0
4	28	6	0	22	7	0.3	0.13	20.797	7.889	117.206	84.985	0.084985
4	28	7	0	70	9	0.3	0.13	66.325	11.859	398.265	356.085	0.356085
4	28	8	15	182	10	0.3	0.13	181.605	17.808	1093.689	1026.868	1.026868
4	28	9	219	312	11	0.4	0.13	470.168	30.59	2749.677	2624.177	2.624177
4	28	10	281	376	12	0.4	0.13	633.993	38.368	3584.054	3428.989	3.428989
4	28	11	158	442	13	0.4	0.13	607.027	38.191	3405.566	3256.825	3.256825
4	28	12	472	376	14	0.4	0.13	877.772	50.487	4710.99	4515.993	4.515993
4	28	13	346	415	14	0.4	0.13	773.605	46.143	4223.925	4046.186	4.046186
4	28	14	0	119	14	0.4	0.13	113.431	18.703	654.717	603.45	0.60345
4	28	15	103	326	13	0.4	0.13	399.32	29.613	2324.401	2213.97	2.21397
4	28	16	0	100	11	0.4	0.13	94.959	14.957	563.112	515.091	0.515091
4	28	17	0	26	8	0.4	0.13	24.587	9.028	143.16	110.02	0.11002
4	28	18	0	10	6	0.5	0.13	9.439	6.382	52.563	22.632	0.022632
4	28	19	0	0	5	0.4	0.13	0	5	0	0	0
4	28	20	0	0	4	0.3	0.13	0	4	0	0	0
4	28	21	0	0	3	0.3	0.13	0	3	0	0	0
4	28	22	0	0	3	0.3	0.13	0	3	0	0	0
4	28	23	0	0	2	0.3	0.13	0	2	0	0	0
4	29	0	0	0	2	0.3	0.13	0	2	0	0	0
4	29	1	0	0	2	0.2	0.13	0	2	0	0	0
4	29	2	0	0	2	0.2	0.13	0	2	0	0	0
4	29	3	0	0	2	0.2	0.13	0	2	0	0	0
4	29	4	0	0	2	0.2	0.13	0	2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
4	29	5	0	0	2	0.2	0.13	0	2	0	0	0
4	29	6	107	64	3	0.3	0.13	63.531	5.661	352.172	311.625	0.311625
4	29	7	0	23	5	0.3	0.13	21.743	5.937	127.818	95.221	0.095221
4	29	8	0	66	7	0.3	0.13	62.565	9.689	373.784	332.472	0.332472
4	29	9	0	101	8	0.3	0.13	95.971	12.112	570.46	522.178	0.522178
4	29	10	23	298	9	0.3	0.13	308.192	22.182	1817.827	1725.346	1.725346
4	29	11	16	291	11	0.2	0.13	297.111	24.095	1729.329	1639.984	1.639984
4	29	12	424	386	12	0.2	0.13	839.746	49.119	4530.002	4341.418	4.341418
4	29	13	17	298	12	0.3	0.13	305.253	25.037	1770.668	1679.858	1.679858
4	29	14	9	221	12	0.3	0.13	220.449	21.424	1289.414	1215.657	1.215657
4	29	15	234	326	12	0.3	0.13	502.911	33.591	2905.098	2774.09	2.77409
4	29	16	303	226	11	0.3	0.13	397.15	28.111	2365.265	2253.386	2.253386
4	29	17	106	150	10	0.2	0.13	180.927	18.02	1085.184	1018.663	1.018663
4	29	18	25	66	8	0.3	0.13	63.555	10.714	369.502	328.341	0.328341
4	29	19	0	0	6	0.4	0.13	0	6	0	0	0
4	29	20	0	0	6	0.3	0.13	0	6	0	0	0
4	29	21	0	0	6	0.2	0.13	0	6	0	0	0
4	29	22	0	0	5	0.3	0.13	0	5	0	0	0
4	29	23	0	0	5	0.5	0.13	0	5	0	0	0
4	30	0	0	0	5	0.5	0.13	0	5	0	0	0
4	30	1	0	0	5	0.4	0.13	0	5	0	0	0
4	30	2	0	0	4	0.4	0.13	0	4	0	0	0
4	30	3	0	0	4	0.4	0.13	0	4	0	0	0
4	30	4	0	0	3	0.5	0.13	0	3	0	0	0
4	30	5	0	0	3	0.4	0.13	0	3	0	0	0
4	30	6	185	61	5	0.2	0.13	66.097	7.811	345.121	304.824	0.304824
4	30	7	458	121	8	0.1	0.13	257.588	19.668	1492.567	1411.611	1.411611
4	30	8	618	157	11	0.1	0.13	488.563	33.484	2883.071	2752.844	2.752844
4	30	9	710	180	13	0.2	0.13	704.031	44.286	3951.201	3783.126	3.783126
4	30	10	765	194	14	0.2	0.13	878.082	52.947	4716.883	4521.677	4.521677
4	30	11	799	200	15	0.2	0.13	989.611	58.848	5155.179	4944.442	4.944442
4	30	12	809	202	16	0.2	0.13	1031.955	61.707	5297.371	5081.596	5.081596
4	30	13	753	229	17	0.2	0.13	989.029	60.805	5101.152	4892.33	4.89233
4	30	14	34	337	18	0.3	0.13	365.28	33.62	2066.493	1965.201	1.965201
4	30	15	73	316	17	0.3	0.13	366.396	32.707	2099.467	1997.006	1.997006
4	30	16	165	245	16	0.3	0.13	334.641	30.401	1959.022	1861.538	1.861538
4	30	17	396	149	15	0.2	0.13	282.895	27.484	1629.877	1544.056	1.544056
4	30	18	12	64	12	0.2	0.13	60.767	14.686	350.769	310.272	0.310272
4	30	19	0	0	22	0.4	0.14	0	0	0	0	0
4	30	20	0	0	21	0.5	0.14	0	21	0	0	0
4	30	21	0	0	21	0.6	0.14	0	21	0	0	0
4	30	22	0	0	21	0.6	0.14	0	21	0	0	0
4	30	23	0	0	20	0.5	0.14	0	20	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	1	0	0	0	20	0.5	0.14	0	20	0	0	0
5	1	1	0	0	20	0.5	0.14	0	20	0	0	0
5	1	2	0	0	20	0.6	0.14	0	20	0	0	0
5	1	3	0	0	20	0.6	0.14	0	20	0	0	0
5	1	4	0	0	19	0.5	0.14	0	19	0	0	0
5	1	5	0	0	17	0.5	0.14	0	17	0	0	0
5	1	6	0	15	15	0.5	0.14	14.171	15.571	76.191	45.424	0.045424
5	1	7	0	45	14	0.5	0.14	42.608	15.73	246.977	210.157	0.210157
5	1	8	14	184	16	0.5	0.14	182.987	23.408	1076.99	1010.76	1.01076
5	1	9	398	277	17	0.6	0.14	569.387	39.407	3235.547	3092.831	3.092831
5	1	10	441	322	18	0.8	0.14	724.565	44.938	4003.245	3833.326	3.833326
5	1	11	932	118	19	0.9	0.14	1027.441	56.252	5421.169	5201.007	5.201007
5	1	12	925	127	19	0.9	0.14	1063.61	57.545	5567.588	5342.238	5.342238
5	1	13	296	433	18	1	0.14	742.95	44.158	4083.201	3910.449	3.910449
5	1	14	98	397	17	0.9	0.14	483.767	34.468	2749.882	2624.375	2.624375
5	1	15	808	134	16	0.8	0.14	750.953	44.021	4220.102	4042.499	4.042499
5	1	16	233	241	15	0.7	0.14	368.942	29.14	2179.699	2074.395	2.074395
5	1	17	0	112	14	0.6	0.14	106.093	18.184	631.068	580.639	0.580639
5	1	18	0	44	12	0.5	0.14	41.604	13.684	240.019	203.446	0.203446
5	1	19	0	0	10	0.4	0.14	0	0	0	0	0
5	1	20	0	0	9	0.4	0.14	0	9	0	0	0
5	1	21	0	0	9	0.4	0.14	0	9	0	0	0
5	1	22	0	0	8	0.4	0.14	0	8	0	0	0
5	1	23	0	0	8	0.5	0.14	0	8	0	0	0
5	2	0	0	0	8	0.5	0.14	0	8	0	0	0
5	2	1	0	0	8	0.5	0.14	0	8	0	0	0
5	2	2	0	0	8	0.5	0.14	0	8	0	0	0
5	2	3	0	0	8	0.5	0.14	0	8	0	0	0
5	2	4	0	0	8	0.6	0.14	0	8	0	0	0
5	2	5	0	0	8	0.6	0.14	0	8	0	0	0
5	2	6	397	47	8	0.6	0.14	69.871	10.491	308.399	269.403	0.269403
5	2	7	666	78	10	0.7	0.14	282.97	20.657	1611.96	1526.774	1.526774
5	2	8	795	96	12	0.7	0.14	522.946	32.117	3115.06	2976.614	2.976614
5	2	9	860	110	14	0.8	0.14	740.684	41.654	4212.05	4034.733	4.034733
5	2	10	310	374	15	0.8	0.14	656.983	39.403	3699.372	3540.221	3.540221
5	2	11	299	426	16	0.8	0.14	734.683	43.253	4054.555	3882.818	3.882818
5	2	12	200	465	17	0.8	0.14	679.678	42.183	3751.171	3590.184	3.590184
5	2	13	433	374	18	0.8	0.14	822.975	48.551	4454.494	4268.586	4.268586
5	2	14	380	361	18	0.8	0.14	712.892	44.485	3936.018	3768.481	3.768481
5	2	15	845	119	18	0.7	0.14	763.377	47.27	4234.698	4056.578	4.056578
5	2	16	116	246	17	0.6	0.14	307.954	29.123	1804.165	1712.169	1.712169
5	2	17	622	96	15	0.5	0.14	312.144	27.533	1781.875	1690.668	1.690668
5	2	18	408	59	14	0.3	0.14	99.573	17.969	459.287	414.945	0.414945

Month	Day	Hour	Beam Irradiance (W/m ²)	Diffuse Irradiance (W/m ²)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m ²)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	2	19	0	0	12	0.3	0.14	0	0	0	0	0
5	2	20	0	0	10	0.3	0.14	0	10	0	0	0
5	2	21	0	0	9	0.3	0.14	0	9	0	0	0
5	2	22	0	0	8	0.2	0.14	0	8	0	0	0
5	2	23	0	0	7	0.2	0.14	0	7	0	0	0
5	3	0	0	0	5	0.1	0.14	0	5	0	0	0
5	3	1	0	0	5	0.1	0.14	0	5	0	0	0
5	3	2	0	0	5	0.2	0.14	0	5	0	0	0
5	3	3	0	0	4	0.1	0.14	0	4	0	0	0
5	3	4	0	0	4	0.1	0.14	0	4	0	0	0
5	3	5	0	0	5	0.1	0.14	0	5	0	0	0
5	3	6	433	45	7	0.2	0.14	71.296	9.835	307.345	268.386	0.268386
5	3	7	685	74	9	0.3	0.14	285.922	21.096	1625.738	1540.063	1.540063
5	3	8	811	90	11	0.3	0.14	526.265	33.744	3115.414	2976.955	2.976955
5	3	9	877	102	12	0.3	0.14	742.826	44.015	4184.74	4008.39	4.00839
5	3	10	313	373	14	0.3	0.14	658.476	42.231	3665.383	3507.436	3.507436
5	3	11	314	421	15	0.3	0.14	743.782	46.849	4045.581	3874.162	3.874162
5	3	12	487	378	14	0.3	0.14	894.221	52.313	4759.573	4562.855	4.562855
5	3	13	107	443	14	0.3	0.14	550.029	37.511	3082.42	2945.13	2.94513
5	3	14	134	406	13	0.3	0.14	532.334	35.785	3017.19	2882.211	2.882211
5	3	15	7	202	13	0.3	0.14	198.751	21.511	1165.647	1096.275	1.096275
5	3	16	0	136	12	0.3	0.14	129.442	17.558	767.675	712.405	0.712405
5	3	17	8	133	11	0.2	0.14	128.629	16.717	774.107	718.609	0.718609
5	3	18	0	54	10	0.2	0.14	50.692	12.248	297.149	258.552	0.258552
5	3	19	0	0	10	0.2	0.14	0	0	0	0	0
5	3	20	0	0	10	0.2	0.14	0	10	0	0	0
5	3	21	0	0	10	0.2	0.14	0	10	0	0	0
5	3	22	0	0	10	0.3	0.14	0	10	0	0	0
5	3	23	0	0	9	0.3	0.14	0	9	0	0	0
5	4	0	0	0	9	0.4	0.14	0	9	0	0	0
5	4	1	0	0	9	0.4	0.14	0	9	0	0	0
5	4	2	0	0	10	0.5	0.14	0	10	0	0	0
5	4	3	0	0	10	0.4	0.14	0	10	0	0	0
5	4	4	0	0	9	0.2	0.14	0	9	0	0	0
5	4	5	0	0	9	0.2	0.14	0	9	0	0	0
5	4	6	0	17	9	0.2	0.14	16.063	9.711	89.706	58.459	0.058459
5	4	7	0	48	11	0.3	0.14	45.456	12.959	267.306	229.766	0.229766
5	4	8	0	75	13	0.4	0.14	71.147	15.965	415.763	372.963	0.372963
5	4	9	0	129	15	0.5	0.14	122.87	19.957	713.352	660.007	0.660007
5	4	10	0	121	16	0.5	0.14	115.354	20.644	661.014	609.524	0.609524
5	4	11	8	189	17	0.5	0.14	189.142	24.607	1082.374	1015.953	1.015953
5	4	12	8	184	18	0.5	0.14	184.711	25.426	1051.057	985.746	0.985746
5	4	13	6	170	18	0.5	0.14	168.829	24.789	960.969	898.85	0.89885

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	4	14	0	130	17	0.5	0.14	124.051	21.993	708.225	655.062	0.655062
5	4	15	0	111	17	0.4	0.14	105.607	21.386	605.016	555.51	0.55551
5	4	16	0	95	17	0.4	0.14	90.202	20.757	520.531	474.019	0.474019
5	4	17	0	60	16	0.3	0.14	56.857	18.45	329.19	289.457	0.289457
5	4	18	0	25	15	0.2	0.14	23.64	16.049	131.873	99.132	0.099132
5	4	19	0	0	15	0.2	0.14	0	0	0	0	0
5	4	20	0	0	14	0.2	0.14	0	14	0	0	0
5	4	21	0	0	14	0.2	0.14	0	14	0	0	0
5	4	22	0	0	14	0.3	0.14	0	14	0	0	0
5	4	23	0	0	14	0.4	0.14	0	14	0	0	0
5	5	0	0	0	13	0.4	0.14	0	13	0	0	0
5	5	1	0	0	13	0.4	0.14	0	13	0	0	0
5	5	2	0	0	12	0.4	0.14	0	12	0	0	0
5	5	3	0	0	11	0.4	0.14	0	11	0	0	0
5	5	4	0	0	11	0.3	0.14	0	11	0	0	0
5	5	5	0	0	10	0.3	0.14	0	10	0	0	0
5	5	6	57	61	9	0.4	0.14	59.257	11.434	332.297	292.455	0.292455
5	5	7	148	143	8	0.5	0.14	182.664	15.372	1096.866	1029.932	1.029932
5	5	8	0	22	8	0.5	0.14	20.831	8.843	119.098	86.81	0.08681
5	5	9	0	16	8	0.5	0.14	15.169	8.612	84.616	53.55	0.05355
5	5	10	2	149	8	0.6	0.14	144.088	13.637	856.439	798.024	0.798024
5	5	11	6	171	9	0.6	0.14	169.701	15.632	1002.537	938.945	0.938945
5	5	12	6	171	9	0.6	0.14	170.055	15.643	1003.129	939.516	0.939516
5	5	13	0	124	8	0.6	0.14	118.457	12.628	698.404	645.589	0.645589
5	5	14	9	209	8	0.6	0.14	208.626	16.161	1242.587	1170.489	1.170489
5	5	15	13	236	8	0.6	0.14	236.297	17.262	1416.841	1338.568	1.338568
5	5	16	0	80	8	0.6	0.14	75.914	10.983	452.977	408.858	0.408858
5	5	17	15	140	8	0.6	0.14	137.611	13.423	840.114	782.277	0.782277
5	5	18	0	61	7	0.6	0.14	56.997	9.243	340.398	300.269	0.300269
5	5	19	0	0	7	0.6	0.14	0	0	0	0	0
5	5	20	0	0	7	0.5	0.14	0	7	0	0	0
5	5	21	0	0	7	0.4	0.14	0	7	0	0	0
5	5	22	0	0	7	0.3	0.14	0	7	0	0	0
5	5	23	0	0	6	0.3	0.14	0	6	0	0	0
5	6	0	0	0	6	0.2	0.14	0	6	0	0	0
5	6	1	0	0	6	0.2	0.14	0	6	0	0	0
5	6	2	0	0	6	0.2	0.14	0	6	0	0	0
5	6	3	0	0	6	0.2	0.14	0	6	0	0	0
5	6	4	0	0	5	0.3	0.14	0	5	0	0	0
5	6	5	0	0	5	0.3	0.14	0	5	0	0	0
5	6	6	90	62	6	0.3	0.14	62.851	8.644	349.381	308.933	0.308933
5	6	7	178	142	7	0.3	0.14	191.278	15.189	1147.507	1078.778	1.078778
5	6	8	155	238	10	0.3	0.14	316.033	23.602	1898.581	1803.239	1.803239

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	6	9	451	261	12	0.3	0.14	597.941	37.711	3423.735	3274.35	3.27435
5	6	10	873	130	13	0.4	0.14	900.602	50.569	4892.14	4690.724	4.690724
5	6	11	236	446	14	0.4	0.14	684.855	42.43	3784.056	3621.904	3.621904
5	6	12	161	472	14	0.4	0.14	646.751	40.82	3582.625	3427.611	3.427611
5	6	13	335	428	15	0.5	0.14	774.37	46.229	4221.191	4043.55	4.04355
5	6	14	319	386	14	0.5	0.14	683.314	41.584	3809.715	3646.654	3.646654
5	6	15	106	335	14	0.4	0.14	409.454	31.029	2368.49	2256.497	2.256497
5	6	16	0	96	13	0.4	0.14	91.155	16.797	534.84	487.821	0.487821
5	6	17	591	106	12	0.3	0.14	312.739	25.343	1806.263	1714.192	1.714192
5	6	18	405	62	11	0.2	0.14	102.551	15.234	484.002	438.784	0.438784
5	6	19	0	0	9	0.2	0.14	0	0	0	0	0
5	6	20	0	0	8	0.3	0.14	0	8	0	0	0
5	6	21	0	0	7	0.2	0.14	0	7	0	0	0
5	6	22	0	0	5	0.2	0.14	0	5	0	0	0
5	6	23	0	0	4	0.2	0.14	0	4	0	0	0
5	7	0	0	0	4	0.2	0.14	0	4	0	0	0
5	7	1	0	0	3	0.2	0.14	0	3	0	0	0
5	7	2	0	0	2	0.2	0.14	0	2	0	0	0
5	7	3	0	0	2	0.2	0.14	0	2	0	0	0
5	7	4	0	0	1	0.2	0.14	0	1	0	0	0
5	7	5	0	0	2	0.2	0.14	0	2	0	0	0
5	7	6	482	47	4	0.2	0.14	80.125	7.175	347.754	307.364	0.307364
5	7	7	722	74	7	0.3	0.14	301.374	19.76	1729.784	1640.423	1.640423
5	7	8	836	91	10	0.4	0.14	544.046	32.804	3231.617	3089.04	3.08904
5	7	9	900	103	12	0.5	0.14	763.088	42.972	4314.533	4133.584	4.133584
5	7	10	945	106	13	0.5	0.14	939.221	51.049	5092.513	4883.997	4.883997
5	7	11	961	111	14	0.6	0.14	1049.677	55.278	5557.04	5332.064	5.332064
5	7	12	961	115	15	0.6	0.14	1087.898	57.763	5685.152	5455.637	5.455637
5	7	13	957	111	16	0.6	0.14	1054.696	57.471	5528.514	5304.549	5.304549
5	7	14	935	109	16	0.6	0.14	950.453	53.408	5096.922	4888.249	4.888249
5	7	15	898	102	15	0.6	0.14	783.676	45.899	4372.298	4189.302	4.189302
5	7	16	833	93	14	0.5	0.14	571.136	37.233	3328.934	3182.909	3.182909
5	7	17	723	79	13	0.4	0.14	332.84	26.755	1904.832	1809.268	1.809268
5	7	18	516	53	11	0.3	0.14	108.381	15.248	484.916	439.665	0.439665
5	7	19	0	0	9	0.2	0.14	0	0	0	0	0
5	7	20	0	0	7	0.2	0.14	0	7	0	0	0
5	7	21	0	0	5	0.2	0.14	0	5	0	0	0
5	7	22	0	0	4	0.2	0.14	0	4	0	0	0
5	7	23	0	0	3	0.2	0.14	0	3	0	0	0
5	8	0	0	0	2	0.2	0.14	0	2	0	0	0
5	8	1	0	0	1	0.2	0.14	0	1	0	0	0
5	8	2	0	0	0	0.2	0.14	0	0	0	0	0
5	8	3	0	0	0	0.2	0.14	0	0	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	8	4	0	0	0	0.2	0.14	0	0	0	0	0
5	8	5	0	0	0	0.2	0.14	0	0	0	0	0
5	8	6	531	46	2	0.2	0.14	83.953	5.294	359.359	318.557	0.318557
5	8	7	761	71	6	0.2	0.14	312.688	19.659	1796.355	1704.635	1.704635
5	8	8	873	85	10	0.2	0.14	558.496	34.902	3291.691	3146.985	3.146985
5	8	9	932	95	12	0.3	0.14	778.669	45.556	4356.91	4174.46	4.17446
5	8	10	955	106	14	0.4	0.14	948.272	53.565	5086.075	4877.787	4.877787
5	8	11	958	116	15	0.4	0.14	1052.057	58.845	5483.102	5260.746	5.260746
5	8	12	952	119	16	0.4	0.14	1083.001	61.116	5576.852	5351.174	5.351174
5	8	13	936	118	17	0.4	0.14	1041.397	60.395	5389.554	5170.513	5.170513
5	8	14	899	119	17	0.4	0.14	928.719	55.736	4930.416	4727.644	4.727644
5	8	15	842	117	17	0.4	0.14	760.083	48.755	4187.488	4011.04	4.01104
5	8	16	749	113	17	0.3	0.14	544.113	40.491	3124.079	2985.312	2.985312
5	8	17	62	159	16	0.2	0.14	172.683	23.662	1014.945	950.914	0.950914
5	8	18	23	72	13	0.3	0.14	69.078	15.957	397.807	355.643	0.355643
5	8	19	0	0	12	0.5	0.13	0	0	0	0	0
5	8	20	0	0	11	0.3	0.13	0	11	0	0	0
5	8	21	0	0	11	0.1	0.13	0	11	0	0	0
5	8	22	0	0	10	0.1	0.13	0	10	0	0	0
5	8	23	0	0	10	0.1	0.13	0	10	0	0	0
5	9	0	0	0	9	0.1	0.13	0	9	0	0	0
5	9	1	0	0	9	0.1	0.13	0	9	0	0	0
5	9	2	0	0	8	0.1	0.13	0	8	0	0	0
5	9	3	0	0	8	0.1	0.13	0	8	0	0	0
5	9	4	0	0	8	0.1	0.13	0	8	0	0	0
5	9	5	0	0	9	0.1	0.13	0	9	0	0	0
5	9	6	0	13	9	0.1	0.13	12.274	9.562	68.148	37.665	0.037665
5	9	7	0	35	9	0.2	0.13	33.113	10.472	194.082	159.137	0.159137
5	9	8	0	75	10	0.2	0.13	71.129	13.152	420.179	377.222	0.377222
5	9	9	0	96	11	0.1	0.13	91.196	15.162	533.45	486.48	0.48648
5	9	10	5	179	12	0.1	0.13	175.644	20.001	1024.924	960.539	0.960539
5	9	11	15	278	13	0.1	0.13	282.841	25.871	1630.724	1544.873	1.544873
5	9	12	3	150	14	0.2	0.13	146.618	20.456	843.507	785.55	0.78555
5	9	13	6	170	15	0.2	0.13	168.737	22.433	969.333	906.918	0.906918
5	9	14	2	152	16	0.2	0.13	146.987	22.48	842.786	784.854	0.784854
5	9	15	17	252	16	0.2	0.13	254.651	27.252	1470.998	1390.807	1.390807
5	9	16	0	58	16	0.2	0.13	54.982	18.436	313.619	274.438	0.274438
5	9	17	0	20	15	0.2	0.13	18.911	15.841	105.344	73.543	0.073543
5	9	18	94	90	14	0.1	0.13	92.329	18.169	513.498	467.234	0.467234
5	9	19	0	0	13	0.1	0.13	0	0	0	0	0
5	9	20	0	0	13	0.1	0.13	0	13	0	0	0
5	9	21	0	0	13	0.1	0.13	0	13	0	0	0
5	9	22	0	0	12	0.1	0.13	0	12	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	9	23	0	0	12	0.1	0.13	0	12	0	0	0
5	10	0	0	0	12	0.1	0.13	0	12	0	0	0
5	10	1	0	0	11	0.1	0.13	0	11	0	0	0
5	10	2	0	0	11	0.1	0.13	0	11	0	0	0
5	10	3	0	0	12	0.1	0.13	0	12	0	0	0
5	10	4	0	0	12	0.1	0.13	0	12	0	0	0
5	10	5	0	0	12	0.1	0.13	0	0	0	0	0
5	10	6	125	76	13	0.1	0.13	78.18	16.498	421.316	378.319	0.378319
5	10	7	0	119	15	0.2	0.13	112.313	19.994	664.867	613.24	0.61324
5	10	8	0	129	18	0.2	0.13	122.58	23.433	708.856	655.671	0.655671
5	10	9	526	262	20	0.1	0.13	653.64	49.959	3562.712	3408.403	3.408403
5	10	10	630	258	23	0.1	0.13	826.574	60.83	4277.325	4097.694	4.097694
5	10	11	685	254	25	0.1	0.13	940.222	67.994	4691.649	4497.337	4.497337
5	10	12	730	234	26	0.2	0.13	990.916	69.863	4896.052	4694.498	4.694498
5	10	13	741	217	27	0.3	0.13	963.72	68.359	4803.229	4604.963	4.604963
5	10	14	723	202	27	0.3	0.13	864.99	64.159	4414.496	4230.005	4.230005
5	10	15	148	344	26	0.3	0.13	454.732	45.5	2486.777	2370.592	2.370592
5	10	16	62	242	25	0.2	0.13	269.232	36.937	1516.401	1434.601	1.434601
5	10	17	369	159	24	0.2	0.13	283.308	36.513	1578.104	1494.118	1.494118
5	10	18	192	87	22	0.1	0.13	101.318	26.508	519.142	472.678	0.472678
5	10	19	0	0	20	0.1	0.13	0	0	0	0	0
5	10	20	0	0	20	0.2	0.13	0	20	0	0	0
5	10	21	0	0	20	0.2	0.13	0	20	0	0	0
5	10	22	0	0	20	0.2	0.13	0	20	0	0	0
5	10	23	0	0	20	0.2	0.13	0	20	0	0	0
5	11	0	0	0	20	0.2	0.13	0	20	0	0	0
5	11	1	0	0	20	0.3	0.13	0	20	0	0	0
5	11	2	0	0	20	0.3	0.13	0	20	0	0	0
5	11	3	0	0	20	0.3	0.13	0	20	0	0	0
5	11	4	0	0	20	0.3	0.13	0	20	0	0	0
5	11	5	0	0	20	0.3	0.13	0	0	0	0	0
5	11	6	0	38	20	0.4	0.13	35.97	21.499	198.984	163.865	0.163865
5	11	7	0	101	20	0.4	0.13	95.477	23.991	552.157	504.524	0.504524
5	11	8	117	242	20	0.3	0.13	299.394	32.879	1727.081	1637.815	1.637815
5	11	9	181	333	20	0.3	0.13	463.245	39.878	2600.271	2480.066	2.480066
5	11	10	23	309	21	0.3	0.13	318.313	34.608	1785.428	1694.095	1.694095
5	11	11	6	173	21	0.3	0.13	171.542	28.323	962.647	900.469	0.900469
5	11	12	29	371	21	0.3	0.13	399.253	38.043	2208.841	2102.505	2.102505
5	11	13	11	237	21	0.3	0.13	238.834	31.196	1339.732	1264.192	1.264192
5	11	14	87	400	21	0.3	0.13	474.85	41.311	2620.558	2499.634	2.499634
5	11	15	36	294	20	0.3	0.13	314.976	33.491	1786.413	1695.046	1.695046
5	11	16	0	78	19	0.3	0.13	73.992	22.176	420.488	377.52	0.37752
5	11	17	0	7	18	0.3	0.13	6.615	18.285	34.568	5.275	0.005275

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	11	18	0	3	17	0.3	0.13	2.83	17.122	14.183	0	0
5	11	19	0	0	16	0.3	0.13	0	0	0	0	0
5	11	20	0	0	15	0.2	0.13	0	15	0	0	0
5	11	21	0	0	15	0.2	0.13	0	15	0	0	0
5	11	22	0	0	14	0.3	0.13	0	14	0	0	0
5	11	23	0	0	14	0.3	0.13	0	14	0	0	0
5	12	0	0	0	13	0.3	0.13	0	13	0	0	0
5	12	1	0	0	12	0.3	0.13	0	12	0	0	0
5	12	2	0	0	12	0.3	0.13	0	12	0	0	0
5	12	3	0	0	11	0.3	0.13	0	11	0	0	0
5	12	4	0	0	11	0.3	0.13	0	11	0	0	0
5	12	5	0	0	11	0.3	0.13	0	0	0	0	0
5	12	6	0	34	11	0.3	0.13	32.17	12.382	184.587	149.979	0.149979
5	12	7	0	90	12	0.3	0.13	85.165	15.67	507.59	461.536	0.461536
5	12	8	0	134	13	0.4	0.13	127.333	18.305	752.854	698.109	0.698109
5	12	9	5	187	14	0.4	0.13	182.257	21.571	1065.709	999.879	0.999879
5	12	10	4	166	15	0.4	0.13	162.162	21.723	936.735	875.475	0.875475
5	12	11	13	259	15	0.4	0.13	262.136	25.857	1507.584	1426.097	1.426097
5	12	12	16	294	16	0.4	0.13	300.253	28.431	1713.494	1624.71	1.62471
5	12	13	64	426	16	0.3	0.13	488.304	36.859	2732.42	2607.531	2.607531
5	12	14	17	288	16	0.3	0.13	292.733	28.511	1677.045	1589.553	1.589553
5	12	15	117	343	16	0.2	0.13	430.098	35.024	2450.036	2335.153	2.335153
5	12	16	22	213	16	0.2	0.13	215.609	25.554	1260.609	1187.873	1.187873
5	12	17	7	137	15	0.1	0.13	131.866	21.052	779.805	724.106	0.724106
5	12	18	0	61	14	0.1	0.13	57.171	16.622	332.327	292.484	0.292484
5	12	19	0	3	13	0.1	0.13	2.91	13.115	9.752	0	0
5	12	20	0	0	12	0.2	0.13	0	12	0	0	0
5	12	21	0	0	11	0.2	0.13	0	11	0	0	0
5	12	22	0	0	11	0.2	0.13	0	11	0	0	0
5	12	23	0	0	10	0.2	0.13	0	10	0	0	0
5	13	0	0	0	9	0.2	0.13	0	9	0	0	0
5	13	1	0	0	8	0.2	0.13	0	8	0	0	0
5	13	2	0	0	8	0.1	0.13	0	8	0	0	0
5	13	3	0	0	7	0.1	0.13	0	7	0	0	0
5	13	4	0	0	7	0.1	0.13	0	7	0	0	0
5	13	5	0	0	8	0.1	0.13	0	0	0	0	0
5	13	6	412	58	10	0.2	0.13	88.406	13.611	405.457	363.022	0.363022
5	13	7	644	90	13	0.2	0.13	296.46	25.985	1675.126	1587.702	1.587702
5	13	8	766	109	16	0.3	0.13	527.991	38.802	3055.067	2918.746	2.918746
5	13	9	836	122	18	0.3	0.13	740.691	49.904	4063.309	3891.262	3.891262
5	13	10	874	133	19	0.3	0.13	905.582	57.935	4763.19	4566.344	4.566344
5	13	11	891	140	20	0.3	0.13	1011.376	63.437	5164.135	4953.082	4.953082
5	13	12	896	140	21	0.3	0.13	1047.545	65.974	5277.877	5062.793	5.062793

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	13	13	890	137	22	0.3	0.13	1015.261	65.601	5132.143	4922.223	4.922223
5	13	14	869	131	22	0.3	0.13	914.149	61.296	4734.104	4538.288	4.538288
5	13	15	829	122	22	0.3	0.13	756.169	54.56	4061.841	3889.846	3.889846
5	13	16	763	109	21	0.2	0.13	549.754	45.487	3091.232	2953.629	2.953629
5	13	17	650	91	20	0.2	0.13	321.992	34.173	1795.458	1703.769	1.703769
5	13	18	445	62	17	0.4	0.13	111.533	21.326	514.039	467.756	0.467756
5	13	19	48	10	15	0.6	0.13	9.698	15.33	34.172	4.893	0.004893
5	13	20	0	0	13	0.5	0.13	0	13	0	0	0
5	13	21	0	0	13	0.3	0.13	0	13	0	0	0
5	13	22	0	0	13	0.2	0.13	0	13	0	0	0
5	13	23	0	0	13	0.2	0.13	0	13	0	0	0
5	14	0	0	0	12	0.2	0.13	0	12	0	0	0
5	14	1	0	0	12	0.2	0.13	0	12	0	0	0
5	14	2	0	0	11	0.2	0.13	0	11	0	0	0
5	14	3	0	0	11	0.2	0.13	0	11	0	0	0
5	14	4	0	0	11	0.2	0.13	0	11	0	0	0
5	14	5	0	0	11	0.2	0.13	0	0	0	0	0
5	14	6	386	57	13	0.2	0.13	85.548	16.505	390.439	348.536	0.348536
5	14	7	622	88	16	0.3	0.13	287.955	28.226	1612.344	1527.144	1.527144
5	14	8	743	107	19	0.4	0.13	513.973	40.532	2951.43	2818.782	2.818782
5	14	9	809	123	22	0.4	0.13	722.245	52.176	3923.047	3755.97	3.75597
5	14	10	846	134	24	0.5	0.13	882.141	59.721	4603.991	4412.785	4.412785
5	14	11	864	142	25	0.5	0.13	987.155	64.93	5007.879	4802.362	4.802362
5	14	12	866	147	26	0.5	0.13	1024.329	67.418	5127.866	4918.097	4.918097
5	14	13	881	132	26	0.5	0.13	1001.348	66.504	5042.453	4835.711	4.835711
5	14	14	854	131	26	0.5	0.13	900.816	62.471	4640.856	4448.344	4.448344
5	14	15	384	308	25	0.5	0.13	601.183	49.321	3268.379	3124.5	3.1245
5	14	16	720	122	24	0.4	0.13	538.551	46.547	3011.326	2876.555	2.876555
5	14	17	477	130	23	0.3	0.13	296.842	35.689	1653.514	1566.855	1.566855
5	14	18	390	69	21	0.2	0.13	110.609	25.613	516.179	469.821	0.469821
5	14	19	31	11	19	0.2	0.13	10.668	19.409	36.987	7.609	0.007609
5	14	20	0	0	18	0.2	0.13	0	18	0	0	0
5	14	21	0	0	18	0.2	0.13	0	18	0	0	0
5	14	22	0	0	17	0.2	0.13	0	17	0	0	0
5	14	23	0	0	16	0.1	0.13	0	16	0	0	0
5	15	0	0	0	16	0.1	0.13	0	16	0	0	0
5	15	1	0	0	17	0.1	0.13	0	17	0	0	0
5	15	2	0	0	16	0.1	0.13	0	16	0	0	0
5	15	3	0	0	15	0.3	0.13	0	15	0	0	0
5	15	4	0	0	14	0.4	0.13	0	14	0	0	0
5	15	5	0	0	14	0.3	0.13	0	0	0	0	0
5	15	6	325	64	16	0.3	0.13	85.684	19.456	403.722	361.348	0.361348
5	15	7	566	99	18	0.3	0.13	280.96	29.942	1567.492	1483.882	1.483882

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	15	8	700	119	20	0.2	0.13	502.777	42.398	2861.595	2732.129	2.732129
5	15	9	781	131	22	0.2	0.13	710.119	53.555	3832.498	3668.629	3.668629
5	15	10	840	132	24	0.1	0.13	874.903	64.087	4478.558	4291.797	4.291797
5	15	11	860	139	25	0.1	0.13	980.175	69.863	4862.495	4662.13	4.66213
5	15	12	865	142	26	0.1	0.13	1018.184	72.585	4977.857	4773.403	4.773403
5	15	13	855	144	27	0.1	0.13	987.908	72.211	4844.929	4645.186	4.645186
5	15	14	832	140	28	0.1	0.13	895.496	69.018	4476.699	4290.004	4.290004
5	15	15	790	133	27	0	0.13	738.408	62.008	3836.07	3672.075	3.672075
5	15	16	727	117	28	0	0.13	537.865	53.565	2918.798	2787.305	2.787305
5	15	17	618	97	27	0.1	0.13	317.477	41.441	1719.874	1630.864	1.630864
5	15	18	424	65	25	0.4	0.13	112.738	29.397	510.009	463.87	0.46387
5	15	19	0	14	23	0.7	0.13	13.578	23.449	46.682	16.96	0.01696
5	15	20	0	0	21	0.9	0.13	0	21	0	0	0
5	15	21	0	0	19	0.9	0.13	0	19	0	0	0
5	15	22	0	0	17	0.6	0.13	0	17	0	0	0
5	15	23	0	0	16	0.3	0.13	0	16	0	0	0
5	16	0	0	0	16	0.2	0.13	0	16	0	0	0
5	16	1	0	0	15	0.2	0.13	0	15	0	0	0
5	16	2	0	0	15	0.2	0.13	0	15	0	0	0
5	16	3	0	0	15	0.2	0.13	0	15	0	0	0
5	16	4	0	0	14	0.2	0.13	0	14	0	0	0
5	16	5	0	0	15	0.2	0.13	0	0	0	0	0
5	16	6	402	58	17	0.2	0.13	88.77	20.634	397.694	355.534	0.355534
5	16	7	621	89	20	0.3	0.13	289.51	32.295	1596.389	1511.755	1.511755
5	16	8	741	108	23	0.3	0.13	514.551	45.219	2897.107	2766.383	2.766383
5	16	9	809	121	25	0.4	0.13	720.496	55.102	3864.109	3699.12	3.69912
5	16	10	846	130	26	0.4	0.13	878.136	62.622	4524.502	4336.113	4.336113
5	16	11	866	137	27	0.4	0.13	983.862	67.988	4922.662	4720.164	4.720164
5	16	12	872	140	28	0.5	0.13	1023.055	69.367	5076.382	4868.438	4.868438
5	16	13	876	132	28	0.5	0.13	996.301	68.298	4975.887	4771.504	4.771504
5	16	14	861	126	28	0.5	0.13	902.127	64.524	4604.978	4413.737	4.413737
5	16	15	828	118	27	0.4	0.13	751.936	58.407	3971.318	3802.531	3.802531
5	16	16	771	104	26	0.4	0.13	550.519	49.053	3048.909	2912.806	2.912806
5	16	17	672	86	25	0.3	0.13	326.592	38.932	1786.625	1695.25	1.69525
5	16	18	483	60	23	0.2	0.13	116.004	27.766	514.992	468.676	0.468676
5	16	19	84	13	21	0.2	0.13	12.608	21.483	43.622	14.008	0.014008
5	16	20	0	0	21	0.2	0.13	0	21	0	0	0
5	16	21	0	0	20	0.2	0.13	0	20	0	0	0
5	16	22	0	0	20	0.2	0.13	0	20	0	0	0
5	16	23	0	0	19	0.2	0.13	0	19	0	0	0
5	17	0	0	0	19	0.2	0.13	0	19	0	0	0
5	17	1	0	0	19	0.2	0.13	0	19	0	0	0
5	17	2	0	0	20	0.2	0.13	0	20	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	17	3	0	0	20	0.2	0.13	0	20	0	0	0
5	17	4	0	0	19	0.2	0.13	0	19	0	0	0
5	17	5	0	0	19	0.2	0.13	0	0	0	0	0
5	17	6	41	71	20	0.3	0.13	68.534	22.923	377.533	336.087	0.336087
5	17	7	30	143	21	0.4	0.13	144.704	27.04	835.189	777.527	0.777527
5	17	8	465	193	23	0.4	0.13	446.297	41.666	2529.168	2411.481	2.411481
5	17	9	283	322	25	0.4	0.13	530.913	47.112	2904.516	2773.53	2.77353
5	17	10	826	143	26	0.5	0.13	878.629	61.572	4545.503	4356.37	4.35637
5	17	11	853	147	27	0.6	0.13	981.125	65.562	4961.873	4757.986	4.757986
5	17	12	171	479	28	0.7	0.13	660.767	53.14	3475.336	3324.123	3.324123
5	17	13	91	449	28	0.6	0.13	537.394	49.015	2865.455	2735.853	2.735853
5	17	14	184	421	27	0.6	0.13	588.777	50.068	3150.632	3010.925	3.010925
5	17	15	357	316	27	0.5	0.13	588.671	50.809	3176.373	3035.753	3.035753
5	17	16	739	116	26	0.5	0.13	544.481	48.133	3024.487	2889.249	2.889249
5	17	17	351	147	25	0.4	0.13	267.356	36.103	1490.208	1409.336	1.409336
5	17	18	388	72	24	0.4	0.13	114.457	28.503	533.303	486.338	0.486338
5	17	19	0	13	23	0.3	0.13	12.608	23.468	43.174	13.576	0.013576
5	17	20	0	0	22	0.3	0.13	0	22	0	0	0
5	17	21	0	0	22	0.3	0.13	0	22	0	0	0
5	17	22	0	0	21	0.2	0.13	0	21	0	0	0
5	17	23	0	0	21	0.2	0.13	0	21	0	0	0
5	18	0	0	0	21	0.2	0.13	0	21	0	0	0
5	18	1	0	0	21	0.2	0.13	0	21	0	0	0
5	18	2	0	0	21	0.3	0.13	0	21	0	0	0
5	18	3	0	0	21	0.2	0.13	0	21	0	0	0
5	18	4	0	0	21	0.2	0.13	0	21	0	0	0
5	18	5	0	0	21	0.2	0.13	0	0	0	0	0
5	18	6	116	76	22	0.3	0.13	79.056	25.328	414.058	371.318	0.371318
5	18	7	164	156	23	0.4	0.13	201.194	31.365	1137.546	1069.17	1.06917
5	18	8	0	145	24	0.5	0.13	137.759	29.571	778.95	723.28	0.72328
5	18	9	417	284	25	0.5	0.13	595.602	49.107	3246.143	3103.051	3.103051
5	18	10	0	78	25	0.5	0.13	74.156	27.984	403.669	361.298	0.361298
5	18	11	73	433	25	0.5	0.13	502.286	45.211	2717.68	2593.314	2.593314
5	18	12	186	479	26	0.5	0.13	675.556	53.199	3554.119	3400.115	3.400115
5	18	13	268	452	26	0.4	0.13	729.86	56.293	3802.548	3639.741	3.639741
5	18	14	321	394	26	0.4	0.13	690.433	54.698	3639.893	3482.849	3.482849
5	18	15	692	175	25	0.3	0.13	708.824	55.498	3781.017	3618.973	3.618973
5	18	16	623	154	24	0.2	0.13	516.218	46.973	2872.472	2742.621	2.742621
5	18	17	166	170	23	0.2	0.13	221.5	32.81	1255.827	1183.26	1.18326
5	18	18	94	88	22	0.2	0.13	92.044	26.027	496.526	450.864	0.450864
5	18	19	0	10	21	0.2	0.13	9.698	21.372	33.116	3.875	0.003875
5	18	20	0	0	21	0.2	0.13	0	21	0	0	0
5	18	21	0	0	21	0.2	0.13	0	21	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	18	22	0	0	20	0.2	0.13	0	20	0	0	0
5	18	23	0	0	20	0.2	0.13	0	20	0	0	0
5	19	0	0	0	20	0.2	0.13	0	20	0	0	0
5	19	1	0	0	20	0.2	0.13	0	20	0	0	0
5	19	2	0	0	20	0.1	0.13	0	20	0	0	0
5	19	3	0	0	19	0.1	0.13	0	19	0	0	0
5	19	4	0	0	19	0.1	0.13	0	19	0	0	0
5	19	5	0	0	19	0.1	0.13	0	0	0	0	0
5	19	6	382	60	21	0.2	0.13	88.899	24.657	396.654	354.531	0.354531
5	19	7	607	89	23	0.2	0.13	286.017	35.538	1557.6	1474.34	1.47434
5	19	8	425	204	25	0.2	0.13	435.297	44.359	2435.122	2320.768	2.320768
5	19	9	484	255	26	0.3	0.13	615.978	52.481	3315.507	3169.957	3.169957
5	19	10	323	385	27	0.3	0.13	676.381	55.988	3548.324	3394.524	3.394524
5	19	11	352	420	27	0.3	0.13	775.235	60.192	3980.527	3811.413	3.811413
5	19	12	219	476	28	0.3	0.13	705.325	58.158	3635.672	3478.778	3.478778
5	19	13	392	403	27	0.4	0.13	800.69	60.261	4112.48	3938.69	3.93869
5	19	14	0	69	26	0.4	0.13	65.6	28.718	353.615	313.017	0.313017
5	19	15	5	187	25	0.3	0.13	182.323	32.803	1015.743	951.683	0.951683
5	19	16	0	32	24	0.2	0.13	30.314	25.342	162.809	128.972	0.128972
5	19	17	0	78	23	0.2	0.13	73.95	26.286	417.713	374.844	0.374844
5	19	18	0	36	22	0.1	0.13	34.058	23.563	188.022	153.292	0.153292
5	19	19	0	3	21	0.1	0.13	2.828	21.112	9.029	0	0
5	19	20	0	0	20	0.1	0.13	0	20	0	0	0
5	19	21	0	0	20	0.1	0.13	0	20	0	0	0
5	19	22	0	0	19	0.1	0.13	0	19	0	0	0
5	19	23	0	0	19	0.1	0.13	0	19	0	0	0
5	20	0	0	0	18	0.1	0.13	0	18	0	0	0
5	20	1	0	0	18	0.1	0.13	0	18	0	0	0
5	20	2	0	0	18	0.1	0.13	0	18	0	0	0
5	20	3	0	0	18	0.1	0.13	0	18	0	0	0
5	20	4	0	0	17	0.1	0.13	0	17	0	0	0
5	20	5	0	0	17	0.2	0.13	0	0	0	0	0
5	20	6	0	6	17	0.2	0.13	5.662	17.251	29.351	0.243	0.000243
5	20	7	25	143	18	0.3	0.13	143.031	24.155	835.584	777.907	0.777907
5	20	8	41	226	20	0.3	0.13	239.42	30.287	1380.251	1303.276	1.303276
5	20	9	85	328	22	0.3	0.13	382.278	38.385	2140.98	2037.049	2.037049
5	20	10	110	406	23	0.3	0.13	497.676	44.293	2717.349	2592.995	2.592995
5	20	11	365	413	24	0.3	0.13	780.386	57.415	4057.331	3885.496	3.885496
5	20	12	253	470	25	0.3	0.13	741.422	56.708	3849.794	3685.312	3.685312
5	20	13	5	165	26	0.4	0.13	162.849	32.742	894.163	834.411	0.834411
5	20	14	9	217	26	0.3	0.13	216.039	35.23	1190.936	1120.668	1.120668
5	20	15	213	349	26	0.3	0.13	507.508	47.769	2756.9	2631.144	2.631144
5	20	16	35	233	25	0.3	0.13	244.479	35.498	1377.156	1300.29	1.30029

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	20	17	0	90	24	0.3	0.13	85.25	27.671	481.55	436.419	0.436419
5	20	18	0	41	23	0.2	0.13	38.804	24.725	214.461	178.793	0.178793
5	20	19	0	4	22	0.2	0.13	3.772	22.145	12.166	0	0
5	20	20	0	0	22	0.3	0.13	0	22	0	0	0
5	20	21	0	0	21	0.2	0.13	0	21	0	0	0
5	20	22	0	0	21	0.2	0.13	0	21	0	0	0
5	20	23	0	0	20	0.1	0.13	0	20	0	0	0
5	21	0	0	0	20	0.1	0.13	0	20	0	0	0
5	21	1	0	0	20	0.1	0.13	0	20	0	0	0
5	21	2	0	0	20	0.2	0.13	0	20	0	0	0
5	21	3	0	0	20	0.2	0.13	0	20	0	0	0
5	21	4	0	0	19	0.2	0.13	0	19	0	0	0
5	21	5	0	0	19	0.2	0.13	0	0	0	0	0
5	21	6	46	73	20	0.3	0.13	71.015	23.027	391.143	349.215	0.349215
5	21	7	89	158	20	0.3	0.13	177.803	27.636	1024.132	959.775	0.959775
5	21	8	0	136	21	0.4	0.13	129.159	26.379	738.118	683.896	0.683896
5	21	9	115	337	21	0.5	0.13	417.681	37.866	2351.29	2239.906	2.239906
5	21	10	31	337	22	0.5	0.13	358.814	36.447	2002.952	1903.911	1.903911
5	21	11	46	404	23	0.5	0.13	446.012	40.94	2447.837	2333.033	2.333033
5	21	12	35	396	24	0.5	0.13	429.416	41.263	2347.128	2235.892	2.235892
5	21	13	447	386	24	0.5	0.13	843.567	58.033	4378.52	4195.304	4.195304
5	21	14	205	421	24	0.4	0.13	606.834	49.2	3261.339	3117.708	3.117708
5	21	15	0	124	24	0.4	0.13	118	28.898	656.538	605.206	0.605206
5	21	16	703	126	24	0.4	0.13	535.473	46.411	2992.108	2858.018	2.858018
5	21	17	151	174	23	0.3	0.13	220.108	32.45	1250.907	1178.515	1.178515
5	21	18	423	70	22	0.2	0.13	119.322	26.977	555.425	507.676	0.507676
5	21	19	77	17	20	0.2	0.13	13.295	20.509	46.26	16.553	0.016553
5	21	20	0	0	18	0.2	0.13	0	18	0	0	0
5	21	21	0	0	17	0.2	0.13	0	17	0	0	0
5	21	22	0	0	16	0.2	0.13	0	16	0	0	0
5	21	23	0	0	14	0.3	0.13	0	14	0	0	0
5	22	0	0	0	13	0.3	0.13	0	13	0	0	0
5	22	1	0	0	12	0.2	0.13	0	12	0	0	0
5	22	2	0	0	11	0.2	0.13	0	11	0	0	0
5	22	3	0	0	10	0.2	0.13	0	10	0	0	0
5	22	4	0	0	9	0.1	0.13	0	9	0	0	0
5	22	5	38	9	10	0.1	0.13	8.729	10.346	31.376	2.196	0.002196
5	22	6	192	76	12	0.2	0.13	86.044	15.69	451.656	407.584	0.407584
5	22	7	704	82	13	0.3	0.13	311.818	26.237	1762.851	1672.318	1.672318
5	22	8	805	101	15	0.3	0.13	543.434	38.466	3148.102	3008.484	3.008484
5	22	9	575	225	16	0.3	0.13	652.374	44.058	3645.501	3488.258	3.488258
5	22	10	423	343	17	0.2	0.13	726.759	49.158	3935.566	3768.046	3.768046
5	22	11	461	378	18	0.2	0.13	843.959	55.307	4435.34	4250.11	4.25011

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	22	12	190	481	19	0.2	0.13	680.609	49.019	3644.69	3487.476	3.487476
5	22	13	225	463	20	0.2	0.13	690.108	50.455	3681.009	3522.508	3.522508
5	22	14	237	417	20	0.1	0.13	631.237	48.806	3402.246	3253.623	3.253623
5	22	15	826	133	20	0.1	0.13	767.197	55.196	4104.755	3931.239	3.931239
5	22	16	564	171	19	0.1	0.13	498.015	41.882	2824.648	2696.491	2.696491
5	22	17	675	95	19	0.1	0.13	340.065	34.474	1902.902	1807.407	1.807407
5	22	18	496	66	17	0.3	0.13	126.966	22.09	590.645	541.648	0.541648
5	22	19	0	24	14	0.5	0.13	21.52	14.753	78.938	48.073	0.048073
5	22	20	0	0	12	0.4	0.13	0	12	0	0	0
5	22	21	0	0	12	0.4	0.13	0	12	0	0	0
5	22	22	0	0	11	0.4	0.13	0	11	0	0	0
5	22	23	0	0	11	0.4	0.13	0	11	0	0	0
5	23	0	0	0	11	0.5	0.13	0	11	0	0	0
5	23	1	0	0	10	0.5	0.13	0	10	0	0	0
5	23	2	0	0	10	0.6	0.13	0	10	0	0	0
5	23	3	0	0	9	0.5	0.13	0	9	0	0	0
5	23	4	0	0	9	0.3	0.13	0	9	0	0	0
5	23	5	0	10	10	0.1	0.13	9.698	10.384	35.032	5.723	0.005723
5	23	6	385	66	12	0.2	0.13	95.578	15.954	451.17	407.115	0.407115
5	23	7	645	94	14	0.2	0.13	304.245	27.34	1717.316	1628.396	1.628396
5	23	8	756	114	17	0.3	0.13	529.386	39.854	3045.934	2909.936	2.909936
5	23	9	822	128	18	0.3	0.13	737.051	49.737	4041.559	3870.283	3.870283
5	23	10	865	133	20	0.2	0.13	896.951	59.784	4676.799	4483.013	4.483013
5	23	11	883	138	22	0.2	0.13	1000.014	66.309	5038.673	4832.065	4.832065
5	23	12	879	143	23	0.2	0.13	1031.786	68.699	5132.419	4922.489	4.922489
5	23	13	432	391	24	0.2	0.13	833.411	60.83	4271.43	4092.009	4.092009
5	23	14	319	399	24	0.2	0.13	692.894	54.63	3652.293	3494.809	3.494809
5	23	15	322	331	23	0.2	0.13	576.952	48.553	3137.607	2998.361	2.998361
5	23	16	264	258	23	0.2	0.13	406.512	41.047	2287.28	2178.164	2.178164
5	23	17	174	175	22	0.2	0.13	229.647	32.171	1307.108	1232.724	1.232724
5	23	18	104	93	19	0.1	0.13	98.446	23.448	538.12	490.984	0.490984
5	23	19	0	15	17	0.1	0.13	14.189	17.561	50.313	20.462	0.020462
5	23	20	0	0	17	0.2	0.13	0	17	0	0	0
5	23	21	0	0	16	0.2	0.13	0	16	0	0	0
5	23	22	0	0	16	0.2	0.13	0	16	0	0	0
5	23	23	0	0	16	0.2	0.13	0	16	0	0	0
5	24	0	0	0	15	0.2	0.13	0	15	0	0	0
5	24	1	0	0	15	0.1	0.13	0	15	0	0	0
5	24	2	0	0	14	0.1	0.13	0	14	0	0	0
5	24	3	0	0	14	0.1	0.13	0	14	0	0	0
5	24	4	0	0	14	0.1	0.13	0	14	0	0	0
5	24	5	0	6	14	0.1	0.13	5.819	14.23	20.095	0	0
5	24	6	80	78	16	0.2	0.13	77.842	19.405	428.653	385.396	0.385396

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	24	7	86	160	18	0.3	0.13	178.652	25.673	1037.869	973.026	0.973026
5	24	8	63	241	19	0.3	0.13	265.552	30.411	1535.961	1453.468	1.453468
5	24	9	16	246	19	0.3	0.13	247.005	29.577	1411.782	1333.689	1.333689
5	24	10	23	312	19	0.3	0.13	320.537	32.7	1810.481	1718.261	1.718261
5	24	11	16	291	19	0.3	0.13	295.994	31.635	1667.952	1580.782	1.580782
5	24	12	5	156	19	0.4	0.13	154.375	25.389	871.42	812.474	0.812474
5	24	13	55	425	19	0.5	0.13	476.489	38.165	2647.865	2525.973	2.525973
5	24	14	11	225	19	0.5	0.13	225.53	28.075	1282.496	1208.984	1.208984
5	24	15	0	78	19	0.6	0.13	74.085	21.901	416.436	373.612	0.373612
5	24	16	0	128	19	0.6	0.13	121.584	23.775	699.141	646.3	0.6463
5	24	17	0	6	18	0.5	0.13	5.671	18.23	29.356	0.248	0.000248
5	24	18	0	3	17	0.4	0.13	2.831	17.118	14.249	0	0
5	24	19	0	0	15	0.4	0.13	0	0	0	0	0
5	24	20	0	0	13	0.3	0.13	0	13	0	0	0
5	24	21	0	0	13	0.3	0.13	0	13	0	0	0
5	24	22	0	0	13	0.3	0.13	0	13	0	0	0
5	24	23	0	0	13	0.3	0.13	0	13	0	0	0
5	25	0	0	0	13	0.3	0.13	0	13	0	0	0
5	25	1	0	0	13	0.4	0.13	0	13	0	0	0
5	25	2	0	0	13	0.3	0.13	0	13	0	0	0
5	25	3	0	0	13	0.3	0.13	0	13	0	0	0
5	25	4	0	0	13	0.4	0.13	0	13	0	0	0
5	25	5	0	1	13	0.4	0.13	0.97	13.035	0	0	0
5	25	6	0	30	13	0.4	0.13	28.37	14.184	161.584	127.791	0.127791
5	25	7	0	53	14	0.4	0.13	50.192	16.097	291.787	253.38	0.25338
5	25	8	0	65	16	0.4	0.13	61.633	18.567	353.036	312.458	0.312458
5	25	9	100	337	17	0.4	0.13	401.53	33.695	2295.128	2185.735	2.185735
5	25	10	145	417	18	0.5	0.13	544.976	39.966	3035.819	2900.18	2.90018
5	25	11	13	252	19	0.6	0.13	254.928	28.96	1445.57	1366.279	1.366279
5	25	12	11	222	19	0.6	0.13	224.39	27.763	1271.524	1198.4	1.1984
5	25	13	25	355	20	0.7	0.13	375.954	34.285	2108.978	2006.18	2.00618
5	25	14	29	340	20	0.6	0.13	360.544	34.101	2029.726	1929.737	1.929737
5	25	15	0	146	19	0.6	0.13	139.071	24.446	793.32	737.142	0.737142
5	25	16	0	93	19	0.5	0.13	88.275	22.567	503.579	457.667	0.457667
5	25	17	0	16	18	0.5	0.13	15.129	18.613	82.112	51.135	0.051135
5	25	18	393	79	17	0.4	0.13	125.353	21.962	614.093	564.265	0.564265
5	25	19	85	21	15	0.3	0.13	17.563	15.652	63.492	33.175	0.033175
5	25	20	0	0	15	0.3	0.13	0	15	0	0	0
5	25	21	0	0	14	0.2	0.13	0	14	0	0	0
5	25	22	0	0	14	0.2	0.13	0	14	0	0	0
5	25	23	0	0	14	0.2	0.13	0	14	0	0	0
5	26	0	0	0	14	0.2	0.13	0	14	0	0	0
5	26	1	0	0	13	0.2	0.13	0	13	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	26	2	0	0	13	0.1	0.13	0	13	0	0	0
5	26	3	0	0	12	0.1	0.13	0	12	0	0	0
5	26	4	0	0	12	0.1	0.13	0	12	0	0	0
5	26	5	50	11	13	0.1	0.13	10.668	13.422	38.132	8.713	0.008713
5	26	6	424	63	15	0.2	0.13	98.312	19.04	450.021	406.007	0.406007
5	26	7	516	109	17	0.3	0.13	276.486	28.769	1557.21	1473.964	1.473964
5	26	8	552	166	20	0.3	0.13	467.277	40.153	2670.009	2547.332	2.547332
5	26	9	806	125	21	0.4	0.13	721.855	51.151	3933.902	3766.44	3.76644
5	26	10	353	381	23	0.3	0.13	696.808	52.865	3706.707	3547.296	3.547296
5	26	11	837	157	24	0.3	0.13	980.57	66.097	4942.737	4739.528	4.739528
5	26	12	831	166	24	0.3	0.13	1013.938	67.511	5067.81	4860.169	4.860169
5	26	13	826	160	25	0.3	0.13	981.683	67.139	4922.487	4719.995	4.719995
5	26	14	789	162	25	0.3	0.13	879.96	62.804	4518.508	4330.332	4.330332
5	26	15	741	155	25	0.3	0.13	727.192	56.289	3866.625	3701.547	3.701547
5	26	16	672	140	24	0.3	0.13	533.577	47.013	2969.946	2836.641	2.836641
5	26	17	560	118	23	0.2	0.13	322.461	37.226	1790.352	1698.845	1.698845
5	26	18	370	82	21	0.1	0.13	125.289	26.47	609.4	559.738	0.559738
5	26	19	62	21	19	0.1	0.13	17.572	19.695	62.283	32.008	0.032008
5	26	20	0	0	19	0.2	0.13	0	19	0	0	0
5	26	21	0	0	19	0.2	0.13	0	19	0	0	0
5	26	22	0	0	19	0.2	0.13	0	19	0	0	0
5	26	23	0	0	19	0.2	0.13	0	19	0	0	0
5	27	0	0	0	19	0.2	0.13	0	19	0	0	0
5	27	1	0	0	19	0.2	0.13	0	19	0	0	0
5	27	2	0	0	19	0.2	0.13	0	19	0	0	0
5	27	3	0	0	19	0.2	0.13	0	19	0	0	0
5	27	4	0	0	19	0.2	0.13	0	19	0	0	0
5	27	5	10	8	19	0.2	0.13	7.759	19.297	26.473	0	0
5	27	6	34	79	20	0.2	0.13	75.117	23.315	419.148	376.227	0.376227
5	27	7	0	105	22	0.2	0.13	99.175	26.408	567.635	519.453	0.519453
5	27	8	397	216	24	0.2	0.13	431.022	43.161	2419.184	2305.395	2.305395
5	27	9	76	328	25	0.3	0.13	374.867	41.063	2073.39	1971.853	1.971853
5	27	10	54	377	26	0.3	0.13	418.373	43.887	2274.276	2165.621	2.165621
5	27	11	808	167	27	0.3	0.13	962.426	68.313	4802.021	4603.798	4.603798
5	27	12	822	165	27	0.2	0.13	1003.659	71.44	4927.169	4724.512	4.724512
5	27	13	290	452	28	0.2	0.13	749.197	61.075	3822.233	3658.728	3.658728
5	27	14	262	416	27	0.3	0.13	658.507	55.198	3455.322	3304.818	3.304818
5	27	15	706	173	26	0.2	0.13	719.086	57.919	3793.241	3630.764	3.630764
5	27	16	404	229	25	0.2	0.13	463.106	45.576	2571.551	2452.362	2.452362
5	27	17	532	126	24	0.1	0.13	318.664	38.525	1761.304	1670.826	1.670826
5	27	18	377	81	23	0.3	0.13	125.865	28.152	606.439	556.882	0.556882
5	27	19	81	22	22	0.6	0.13	18.377	22.624	64.329	33.981	0.033981
5	27	20	0	0	22	0.6	0.13	0	22	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	27	21	0	0	21	0.6	0.13	0	21	0	0	0
5	27	22	0	0	21	0.6	0.13	0	21	0	0	0
5	27	23	0	0	20	0.6	0.13	0	20	0	0	0
5	28	0	0	0	19	0.5	0.13	0	19	0	0	0
5	28	1	0	0	18	0.3	0.13	0	18	0	0	0
5	28	2	0	0	18	0.1	0.13	0	18	0	0	0
5	28	3	0	0	18	0.1	0.13	0	18	0	0	0
5	28	4	0	0	18	0.1	0.13	0	18	0	0	0
5	28	5	0	9	18	0.1	0.13	8.729	18.346	30.117	0.982	0.000982
5	28	6	179	77	19	0.3	0.13	86.129	22.59	443.222	399.449	0.399449
5	28	7	48	155	20	0.4	0.13	161.469	26.735	934.348	873.172	0.873172
5	28	8	194	254	20	0.4	0.13	351.513	34.67	2022.591	1922.855	1.922855
5	28	9	247	336	21	0.5	0.13	516.432	41.873	2881.085	2750.929	2.750929
5	28	10	98	407	22	0.5	0.13	486.878	41.615	2684.692	2561.494	2.561494
5	28	11	66	432	22	0.5	0.13	492.838	41.826	2701.355	2577.567	2.577567
5	28	12	53	434	23	0.4	0.13	485.332	43.097	2640.216	2518.594	2.518594
5	28	13	35	389	24	0.4	0.13	419.866	41.388	2294.117	2184.759	2.184759
5	28	14	6	177	24	0.4	0.13	174.571	31.234	970.389	907.936	0.907936
5	28	15	1	148	24	0.4	0.13	141.736	29.883	790.744	734.657	0.734657
5	28	16	7	187	23	0.4	0.13	181.844	30.569	1032.18	967.537	0.967537
5	28	17	559	117	22	0.4	0.13	322.182	35.365	1803.584	1711.608	1.711608
5	28	18	300	93	21	0.4	0.13	126.006	26.065	636.824	586.191	0.586191
5	28	19	30	19	21	0.4	0.13	16.99	21.612	59.558	29.38	0.02938
5	28	20	0	0	20	0.4	0.13	0	20	0	0	0
5	28	21	0	0	18	0.3	0.13	0	18	0	0	0
5	28	22	0	0	17	0.2	0.13	0	17	0	0	0
5	28	23	0	0	16	0.1	0.13	0	16	0	0	0
5	29	0	0	0	16	0.1	0.13	0	16	0	0	0
5	29	1	0	0	15	0.1	0.13	0	15	0	0	0
5	29	2	0	0	15	0.1	0.13	0	15	0	0	0
5	29	3	0	0	14	0.1	0.13	0	14	0	0	0
5	29	4	0	0	14	0.1	0.13	0	14	0	0	0
5	29	5	0	13	15	0.2	0.13	12.608	15.483	44.971	15.31	0.01531
5	29	6	422	64	17	0.3	0.13	99.36	20.963	453.159	409.034	0.409034
5	29	7	637	91	19	0.3	0.13	299.117	31.71	1658.089	1571.268	1.571268
5	29	8	754	107	22	0.3	0.13	521.35	44.506	2941.55	2809.251	2.809251
5	29	9	597	220	23	0.4	0.13	664.024	50.703	3608.919	3452.972	3.452972
5	29	10	859	128	24	0.4	0.13	885.197	60.91	4592.437	4401.641	4.401641
5	29	11	877	135	25	0.4	0.13	989.614	66.221	4988.122	4783.305	4.783305
5	29	12	875	142	26	0.4	0.13	1025.515	68.699	5100.562	4891.761	4.891761
5	29	13	856	149	26	0.4	0.13	992.566	67.335	4973.612	4769.309	4.769309
5	29	14	833	145	26	0.4	0.13	902.343	63.61	4617.783	4426.089	4.426089
5	29	15	610	227	26	0.4	0.13	699.999	55.193	3727.646	3567.493	3.567493

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	29	16	698	138	25	0.3	0.13	548.007	48.635	3030.405	2894.958	2.894958
5	29	17	283	168	23	0.2	0.13	265.423	34.742	1495.613	1414.549	1.414549
5	29	18	416	79	21	0.2	0.13	130.7	26.499	627.94	577.622	0.577622
5	29	19	108	23	19	0.2	0.13	17.942	19.687	63.639	33.316	0.033316
5	29	20	0	0	19	0.2	0.13	0	19	0	0	0
5	29	21	0	0	18	0.2	0.13	0	18	0	0	0
5	29	22	0	0	18	0.2	0.13	0	18	0	0	0
5	29	23	0	0	17	0.2	0.13	0	17	0	0	0
5	30	0	0	0	17	0.1	0.13	0	17	0	0	0
5	30	1	0	0	17	0.1	0.13	0	17	0	0	0
5	30	2	0	0	16	0.1	0.13	0	16	0	0	0
5	30	3	0	0	15	0.1	0.13	0	15	0	0	0
5	30	4	0	0	14	0.1	0.13	0	14	0	0	0
5	30	5	44	12	15	0.1	0.13	11.638	15.461	41.353	11.819	0.011819
5	30	6	405	68	18	0.2	0.13	100.314	22.148	461.664	417.238	0.417238
5	30	7	647	93	20	0.2	0.13	304.295	33.342	1676.491	1589.018	1.589018
5	30	8	786	104	22	0.2	0.13	535.608	45.859	3006.837	2872.224	2.872224
5	30	9	849	116	23	0.3	0.13	743.125	55	3984.867	3815.599	3.815599
5	30	10	872	130	24	0.4	0.13	898.238	61.454	4648.109	4455.34	4.45534
5	30	11	404	396	25	0.4	0.13	804.161	58.406	4164.394	3988.765	3.988765
5	30	12	539	357	25	0.4	0.13	917.742	63.138	4656.199	4463.144	4.463144
5	30	13	456	391	26	0.5	0.13	855.509	60.511	4390.428	4206.79	4.20679
5	30	14	93	416	25	0.5	0.13	493.834	44.889	2683.45	2560.297	2.560297
5	30	15	269	347	24	0.4	0.13	552.558	46.995	3017.063	2882.088	2.882088
5	30	16	710	135	23	0.4	0.13	552.488	46.116	3088.427	2950.924	2.950924
5	30	17	321	162	22	0.3	0.13	274.223	33.753	1551.048	1468.02	1.46802
5	30	18	481	71	20	0.2	0.13	134.409	25.607	632.599	582.116	0.582116
5	30	19	144	24	18	0.2	0.13	18.737	18.721	67.726	37.258	0.037258
5	30	20	0	0	16	0.2	0.13	0	16	0	0	0
5	30	21	0	0	14	0.2	0.13	0	14	0	0	0
5	30	22	0	0	14	0.4	0.13	0	14	0	0	0
5	30	23	0	0	14	0.8	0.13	0	14	0	0	0
5	31	0	0	0	15	0.7	0.13	0	15	0	0	0
5	31	1	0	0	15	0.7	0.13	0	15	0	0	0
5	31	2	0	0	14	0.7	0.13	0	14	0	0	0
5	31	3	0	0	13	0.3	0.13	0	13	0	0	0
5	31	4	0	0	13	0.1	0.13	0	13	0	0	0
5	31	5	0	3	14	0.1	0.13	2.91	14.115	9.698	0	0
5	31	6	0	47	15	0.1	0.13	44.509	17.042	255.694	218.566	0.218566
5	31	7	177	163	19	0.1	0.13	211.852	28.675	1212.459	1141.429	1.141429
5	31	8	112	255	21	0.1	0.13	307.508	35.088	1754.899	1664.648	1.664648
5	31	9	784	138	23	0.2	0.13	717.608	54.876	3846.068	3681.718	3.681718
5	31	10	835	142	24	0.3	0.13	882.241	61.916	4554.104	4364.666	4.364666

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
5	31	11	858	149	25	0.4	0.13	984.523	66.004	4965.567	4761.549	4.761549
5	31	12	373	427	25	0.4	0.13	814.882	58.831	4202.775	4025.786	4.025786
5	31	13	238	465	26	0.5	0.13	703.275	54.33	3689.447	3530.647	3.530647
5	31	14	849	141	25	0.4	0.13	907.764	62.837	4662.095	4468.831	4.468831
5	31	15	132	359	25	0.4	0.13	455.427	43.932	2500.328	2383.664	2.383664
5	31	16	712	136	24	0.3	0.13	555.127	47.942	3079.255	2942.077	2.942077
5	31	17	622	109	23	0.2	0.13	339.609	37.982	1882.422	1787.652	1.787652
5	31	18	463	74	20	0.2	0.13	135.188	25.659	642.94	592.09	0.59209
5	31	19	0	6	23	0.2	0.14	5.662	23.223	19.835	0	0
5	31	20	0	0	23	0.2	0.14	0	23	0	0	0
5	31	21	0	0	23	0.2	0.14	0	23	0	0	0
5	31	22	0	0	22	0.2	0.14	0	22	0	0	0
5	31	23	0	0	22	0.2	0.14	0	22	0	0	0
6	1	0	0	0	22	0.2	0.14	0	22	0	0	0
6	1	1	0	0	22	0.1	0.14	0	22	0	0	0
6	1	2	0	0	22	0.1	0.14	0	22	0	0	0
6	1	3	0	0	22	0.1	0.14	0	22	0	0	0
6	1	4	0	0	22	0.1	0.14	0	22	0	0	0
6	1	5	33	12	22	0.1	0.14	11.638	22.461	39.894	10.413	0.010413
6	1	6	337	74	23	0.2	0.14	98.685	27.137	462.118	417.675	0.417675
6	1	7	546	111	23	0.3	0.14	288.125	35.261	1580.616	1496.54	1.49654
6	1	8	683	130	24	0.4	0.14	504.586	45.121	2833.687	2705.21	2.70521
6	1	9	765	144	25	0.4	0.14	709.635	54.632	3805.661	3642.744	3.642744
6	1	10	827	149	26	0.4	0.14	882.282	62.779	4535.336	4346.563	4.346563
6	1	11	888	137	27	0.3	0.14	1001.634	70.007	4960.223	4756.395	4.756395
6	1	12	927	125	28	0.3	0.14	1060.369	73.517	5155.803	4945.044	4.945044
6	1	13	935	116	28	0.3	0.14	1037.059	72.53	5073.555	4865.711	4.865711
6	1	14	918	111	28	0.3	0.14	940.049	68.401	4709.982	4515.02	4.51502
6	1	15	883	105	28	0.3	0.14	783.147	61.712	4072.763	3900.381	3.900381
6	1	16	822	97	27	0.3	0.14	581.384	52.087	3176.042	3035.435	3.035435
6	1	17	589	105	25	0.2	0.14	324.111	39.3	1784.978	1693.661	1.693661
6	1	18	246	93	23	0.3	0.14	120.26	28.016	614.489	564.647	0.564647
6	1	19	188	24	20	0.6	0.14	18.685	20.665	73.828	43.144	0.043144
6	1	20	0	0	18	0.4	0.14	0	18	0	0	0
6	1	21	0	0	17	0.2	0.14	0	17	0	0	0
6	1	22	0	0	17	0.2	0.14	0	17	0	0	0
6	1	23	0	0	16	0.2	0.14	0	16	0	0	0
6	2	0	0	0	15	0.2	0.14	0	15	0	0	0
6	2	1	0	0	15	0.2	0.14	0	15	0	0	0
6	2	2	0	0	14	0.2	0.14	0	14	0	0	0
6	2	3	0	0	14	0.2	0.14	0	14	0	0	0
6	2	4	0	0	14	0.2	0.14	0	14	0	0	0
6	2	5	0	12	15	0.2	0.14	11.638	15.446	41.356	11.822	0.011822

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	2	6	205	76	17	0.2	0.14	88.084	20.772	450.804	406.762	0.406762
6	2	7	278	153	19	0.2	0.14	236.476	29.432	1343.071	1267.413	1.267413
6	2	8	333	232	21	0.2	0.14	407.938	39.125	2320.97	2210.661	2.210661
6	2	9	238	337	23	0.2	0.14	505.572	45.383	2777.355	2650.874	2.650874
6	2	10	64	386	25	0.2	0.14	435.536	44.214	2366.724	2254.794	2.254794
6	2	11	80	443	26	0.2	0.14	517.019	48.787	2755.287	2629.588	2.629588
6	2	12	214	482	26	0.2	0.14	703.554	57.032	3641.201	3484.111	3.484111
6	2	13	188	472	26	0.2	0.14	661.414	55.175	3450.338	3300.011	3.300011
6	2	14	148	429	27	0.2	0.14	562.654	51.835	2979.378	2845.739	2.845739
6	2	15	13	243	28	0.2	0.14	242.329	38.7	1329.192	1254.025	1.254025
6	2	16	78	266	28	0.2	0.14	301.12	41.342	1666.392	1579.277	1.579277
6	2	17	0	94	25	0.2	0.14	89.056	28.955	500.309	454.513	0.454513
6	2	18	154	95	22	0.3	0.14	109.402	26.614	581.83	533.146	0.533146
6	2	19	0	22	20	0.2	0.14	20.658	20.841	85.123	54.038	0.054038
6	2	20	0	0	18	0.2	0.14	0	18	0	0	0
6	2	21	0	0	17	0.2	0.14	0	17	0	0	0
6	2	22	0	0	17	0.2	0.14	0	17	0	0	0
6	2	23	0	0	16	0.2	0.14	0	16	0	0	0
6	3	0	0	0	15	0.2	0.14	0	15	0	0	0
6	3	1	0	0	14	0.2	0.14	0	14	0	0	0
6	3	2	0	0	14	0.2	0.14	0	14	0	0	0
6	3	3	0	0	13	0.2	0.14	0	13	0	0	0
6	3	4	0	0	13	0.2	0.14	0	13	0	0	0
6	3	5	0	4	13	0.2	0.14	3.879	13.149	13.197	0	0
6	3	6	0	18	15	0.3	0.14	17.01	15.732	94.101	62.699	0.062699
6	3	7	0	101	18	0.3	0.14	95.46	22.111	555.328	507.583	0.507583
6	3	8	445	204	20	0.3	0.14	444.498	39.154	2539.857	2421.792	2.421792
6	3	9	426	284	22	0.3	0.14	598.903	47.73	3280.536	3136.226	3.136226
6	3	10	188	417	24	0.3	0.14	580.858	48.863	3123.573	2984.824	2.984824
6	3	11	403	396	25	0.3	0.14	802.26	59.353	4136.426	3961.788	3.961788
6	3	12	111	477	26	0.2	0.14	586.81	51.86	3091.003	2953.409	2.953409
6	3	13	778	196	26	0.2	0.14	970.65	68.974	4820.447	4621.572	4.621572
6	3	14	761	185	27	0.2	0.14	878.9	65.947	4444.385	4258.835	4.258835
6	3	15	718	174	27	0.2	0.14	731.332	59.457	3829.91	3666.133	3.666133
6	3	16	636	162	27	0.2	0.14	537.859	50.924	2939.023	2806.814	2.806814
6	3	17	503	140	27	0.2	0.14	324.648	41.34	1779.982	1688.842	1.688842
6	3	18	304	98	24	0.4	0.14	134.017	29.401	674.942	622.958	0.622958
6	3	19	51	25	21	0.7	0.14	21.956	21.779	93.045	61.68	0.06168
6	3	20	0	0	19	0.7	0.14	0	19	0	0	0
6	3	21	0	0	18	0.5	0.14	0	18	0	0	0
6	3	22	0	0	17	0.4	0.14	0	17	0	0	0
6	3	23	0	0	17	0.4	0.14	0	17	0	0	0
6	4	0	0	0	16	0.3	0.14	0	16	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	4	1	0	0	16	0.2	0.14	0	16	0	0	0
6	4	2	0	0	16	0.1	0.14	0	16	0	0	0
6	4	3	0	0	16	0.1	0.14	0	16	0	0	0
6	4	4	0	0	15	0.1	0.14	0	15	0	0	0
6	4	5	2	5	16	0.1	0.14	4.849	16.192	16.415	0	0
6	4	6	134	97	18	0.2	0.14	99.116	22.316	535.615	488.568	0.488568
6	4	7	329	170	20	0.2	0.14	268.704	31.85	1515.205	1433.447	1.433447
6	4	8	488	207	23	0.2	0.14	470.477	43.922	2639.844	2518.236	2.518236
6	4	9	152	345	26	0.3	0.14	450.408	45.312	2463.087	2347.742	2.347742
6	4	10	628	256	28	0.3	0.14	817.274	63.082	4180.973	4004.757	4.004757
6	4	11	663	264	29	0.3	0.14	922.338	68.555	4583.813	4393.322	4.393322
6	4	12	671	270	30	0.4	0.14	962.295	70.019	4741.684	4545.6	4.5456
6	4	13	689	249	30	0.3	0.14	941.932	70.396	4640.771	4448.262	4.448262
6	4	14	675	233	29	0.3	0.14	853.438	65.634	4314.936	4133.973	4.133973
6	4	15	641	212	28	0.3	0.14	710.575	58.55	3729.669	3569.444	3.569444
6	4	16	570	188	28	0.3	0.14	522.877	50.531	2856.43	2727.147	2.727147
6	4	17	156	185	27	0.2	0.14	233.989	37.368	1306.048	1231.701	1.231701
6	4	18	256	89	26	0.2	0.14	119.285	31.125	597.926	548.671	0.548671
6	4	19	51	23	24	0.2	0.14	20.42	24.848	87.053	55.901	0.055901
6	4	20	0	0	24	0.2	0.14	0	24	0	0	0
6	4	21	0	0	23	0.2	0.14	0	23	0	0	0
6	4	22	0	0	22	0.1	0.14	0	22	0	0	0
6	4	23	0	0	21	0.1	0.14	0	21	0	0	0
6	5	0	0	0	21	0.1	0.14	0	21	0	0	0
6	5	1	0	0	21	0.1	0.14	0	21	0	0	0
6	5	2	0	0	21	0.3	0.14	0	21	0	0	0
6	5	3	0	0	20	0.5	0.14	0	20	0	0	0
6	5	4	0	0	20	0.4	0.14	0	20	0	0	0
6	5	5	11	8	20	0.2	0.14	7.759	20.297	26.332	0	0
6	5	6	197	91	21	0.1	0.14	99.734	25.439	513.519	467.255	0.467255
6	5	7	383	155	22	0.2	0.14	273.355	34.041	1521.881	1439.887	1.439887
6	5	8	507	199	23	0.2	0.14	472.865	44.03	2653.52	2531.428	2.531428
6	5	9	428	283	25	0.2	0.14	598.812	51.545	3227.326	3084.901	3.084901
6	5	10	482	326	26	0.2	0.14	757.609	59.528	3925.853	3758.677	3.758677
6	5	11	311	440	27	0.2	0.14	751.415	60.179	3851.284	3686.749	3.686749
6	5	12	308	460	28	0.2	0.14	782.572	62.539	3962.898	3794.409	3.794409
6	5	13	35	390	28	0.2	0.14	420.373	46.515	2246.82	2139.138	2.139138
6	5	14	180	431	28	0.2	0.14	593.186	54.189	3114.028	2975.617	2.975617
6	5	15	212	360	27	0.2	0.14	517.568	49.897	2782.774	2656.101	2.656101
6	5	16	512	196	26	0.2	0.14	497.008	48.092	2738.481	2613.377	2.613377
6	5	17	0	118	25	0.2	0.14	111.56	29.954	629.861	579.475	0.579475
6	5	18	0	42	24	0.2	0.14	39.761	25.768	219.539	183.692	0.183692
6	5	19	0	7	22	0.3	0.14	6.607	22.268	27.497	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	5	20	0	0	21	0.5	0.14	0	21	0	0	0
6	5	21	0	0	20	0.5	0.14	0	20	0	0	0
6	5	22	0	0	20	0.6	0.14	0	20	0	0	0
6	5	23	0	0	19	0.5	0.14	0	19	0	0	0
6	6	0	0	0	18	0.4	0.14	0	18	0	0	0
6	6	1	0	0	18	0.4	0.14	0	18	0	0	0
6	6	2	0	0	17	0.4	0.14	0	17	0	0	0
6	6	3	0	0	17	0.4	0.14	0	17	0	0	0
6	6	4	0	0	16	0.4	0.14	0	16	0	0	0
6	6	5	44	13	17	0.2	0.14	12.608	17.483	44.522	14.877	0.014877
6	6	6	353	74	20	0.1	0.14	100.076	24.324	471.603	426.824	0.426824
6	6	7	542	115	22	0	0.14	289.738	35.579	1587.637	1503.313	1.503313
6	6	8	653	143	25	0	0.14	499.585	48.735	2760.184	2634.312	2.634312
6	6	9	723	162	27	0	0.14	696.185	59.993	3643.272	3486.108	3.486108
6	6	10	768	172	28	0.1	0.14	852.069	67.013	4294.057	4113.833	4.113833
6	6	11	771	192	29	0.1	0.14	948.982	72.402	4641.983	4449.431	4.449431
6	6	12	741	220	30	0.1	0.14	981.41	74.858	4733.212	4537.428	4.537428
6	6	13	501	339	30	0.1	0.14	847.094	68.679	4195.013	4018.299	4.018299
6	6	14	314	405	30	0.2	0.14	693.616	60.653	3557.021	3402.913	3.402913
6	6	15	478	277	30	0.2	0.14	648.554	58.744	3387.591	3239.487	3.239487
6	6	16	372	243	30	0.2	0.14	457.309	50.309	2483.253	2367.193	2.367193
6	6	17	364	159	29	0.2	0.14	291.161	41.876	1594.47	1509.904	1.509904
6	6	18	185	113	26	0.2	0.14	130.302	31.671	683.005	630.735	0.630735
6	6	19	30	24	24	0.4	0.14	21.263	24.841	94.471	63.056	0.063056
6	6	20	0	0	22	0.5	0.14	0	22	0	0	0
6	6	21	0	0	22	0.4	0.14	0	22	0	0	0
6	6	22	0	0	21	0.2	0.14	0	21	0	0	0
6	6	23	0	0	21	0.1	0.14	0	21	0	0	0
6	7	0	0	0	20	0.1	0.14	0	20	0	0	0
6	7	1	0	0	20	0.1	0.14	0	20	0	0	0
6	7	2	0	0	20	0.2	0.14	0	20	0	0	0
6	7	3	0	0	20	0.1	0.14	0	20	0	0	0
6	7	4	0	0	20	0.1	0.14	0	20	0	0	0
6	7	5	24	11	20	0.1	0.14	10.668	20.422	36.793	7.422	0.007422
6	7	6	246	88	21	0.2	0.14	102.129	25.368	513.51	467.246	0.467246
6	7	7	417	147	23	0.2	0.14	276.751	35.181	1529.876	1447.599	1.447599
6	7	8	529	189	24	0.2	0.14	474.61	45.111	2652.9	2530.829	2.530829
6	7	9	612	212	26	0.2	0.14	664.48	55.487	3537.897	3384.467	3.384467
6	7	10	660	230	27	0.2	0.14	818.494	63.261	4187.133	4010.699	4.010699
6	7	11	675	250	28	0.2	0.14	919.041	68.672	4566.595	4376.714	4.376714
6	7	12	664	269	29	0.2	0.14	953.673	71.184	4673.951	4480.266	4.480266
6	7	13	615	296	29	0.2	0.14	915.911	69.512	4525.101	4336.69	4.33669
6	7	14	587	286	29	0.2	0.14	826.734	65.597	4172.849	3996.921	3.996921

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	7	15	548	260	29	0.2	0.14	685.618	59.397	3576.658	3421.855	3.421855
6	7	16	254	270	28	0.2	0.14	414.171	46.377	2274.907	2166.23	2.16623
6	7	17	395	171	27	0.2	0.14	314.502	40.909	1733.69	1644.191	1.644191
6	7	18	251	106	25	0.1	0.14	134.228	30.988	688.328	635.87	0.63587
6	7	19	58	24	23	0.1	0.14	20.061	23.876	90.647	59.368	0.059368
6	7	20	0	0	22	0.2	0.14	0	22	0	0	0
6	7	21	0	0	22	0.2	0.14	0	22	0	0	0
6	7	22	0	0	21	0.1	0.14	0	21	0	0	0
6	7	23	0	0	21	0.1	0.14	0	21	0	0	0
6	8	0	0	0	20	0.1	0.14	0	20	0	0	0
6	8	1	0	0	20	0.1	0.14	0	20	0	0	0
6	8	2	0	0	19	0.1	0.14	0	19	0	0	0
6	8	3	0	0	19	0.1	0.14	0	19	0	0	0
6	8	4	0	0	19	0.1	0.14	0	19	0	0	0
6	8	5	27	10	20	0.1	0.14	9.698	20.384	33.289	4.042	0.004042
6	8	6	252	85	22	0.2	0.14	100.148	26.275	498.044	452.329	0.452329
6	8	7	431	142	24	0.2	0.14	276.492	36.165	1520.025	1438.096	1.438096
6	8	8	546	182	25	0.2	0.14	476.764	46.209	2653.949	2531.841	2.531841
6	8	9	626	208	26	0.2	0.14	670.385	55.751	3566.244	3411.81	3.41181
6	8	10	704	207	27	0.2	0.14	833.484	63.934	4254.26	4075.447	4.075447
6	8	11	730	217	28	0.2	0.14	938.483	69.545	4648.379	4455.6	4.4556
6	8	12	309	460	29	0.2	0.14	783.061	63.561	3947.072	3779.143	3.779143
6	8	13	427	397	29	0.2	0.14	832.28	65.771	4168.507	3992.732	3.992732
6	8	14	565	301	29	0.2	0.14	821.248	65.348	4147.63	3972.595	3.972595
6	8	15	522	274	29	0.2	0.14	679.705	59.129	3547.42	3393.653	3.393653
6	8	16	271	267	28	0.2	0.14	421.461	46.702	2313.596	2203.548	2.203548
6	8	17	390	155	27	0.2	0.14	298.04	40.179	1644.588	1558.246	1.558246
6	8	18	123	110	26	0.2	0.14	118.579	31.193	634.301	583.757	0.583757
6	8	19	0	23	24	0.2	0.14	21.709	24.922	99.316	67.729	0.067729
6	8	20	0	0	23	0.2	0.14	0	23	0	0	0
6	8	21	0	0	23	0.2	0.14	0	23	0	0	0
6	8	22	0	0	22	0.2	0.14	0	22	0	0	0
6	8	23	0	0	22	0.2	0.14	0	22	0	0	0
6	9	0	0	0	22	0.2	0.14	0	22	0	0	0
6	9	1	0	0	21	0.2	0.14	0	21	0	0	0
6	9	2	0	0	21	0.2	0.14	0	21	0	0	0
6	9	3	0	0	21	0.1	0.14	0	21	0	0	0
6	9	4	0	0	21	0.2	0.14	0	21	0	0	0
6	9	5	0	8	21	0.2	0.14	7.557	21.29	25.438	0	0
6	9	6	281	83	23	0.1	0.14	100.216	27.394	487.569	442.225	0.442225
6	9	7	480	131	24	0.1	0.14	282.105	36.807	1542.136	1459.424	1.459424
6	9	8	607	160	26	0.1	0.14	490.118	48.528	2706.478	2582.509	2.582509
6	9	9	685	179	27	0.1	0.14	684.322	58.379	3603.708	3447.946	3.447946

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	9	10	668	230	28	0.2	0.14	824.729	64.538	4194.957	4018.245	4.018245
6	9	11	685	246	28	0.2	0.14	924.09	68.897	4587.291	4396.677	4.396677
6	9	12	687	256	29	0.1	0.14	963.331	73.017	4682.301	4488.321	4.488321
6	9	13	651	274	29	0.1	0.14	929.443	71.471	4552.897	4363.502	4.363502
6	9	14	619	267	29	0.1	0.14	837.284	67.289	4196.038	4019.287	4.019287
6	9	15	569	249	30	0.2	0.14	691.375	60.655	3588.14	3432.93	3.43293
6	9	16	514	211	30	0.2	0.14	514.144	52.849	2775.139	2648.737	2.648737
6	9	17	401	171	28	0.2	0.14	317.558	42.045	1743.07	1653.238	1.653238
6	9	18	244	109	26	0.4	0.14	136.347	31.545	701.576	648.648	0.648648
6	9	19	53	25	25	0.6	0.14	22.141	25.837	102.029	70.346	0.070346
6	9	20	0	0	25	0.6	0.14	0	25	0	0	0
6	9	21	0	0	24	0.6	0.14	0	24	0	0	0
6	9	22	0	0	23	0.5	0.14	0	23	0	0	0
6	9	23	0	0	22	0.2	0.14	0	22	0	0	0
6	10	0	0	0	22	0.1	0.14	0	22	0	0	0
6	10	1	0	0	22	0.1	0.14	0	22	0	0	0
6	10	2	0	0	21	0.1	0.14	0	21	0	0	0
6	10	3	0	0	21	0.1	0.14	0	21	0	0	0
6	10	4	0	0	21	0.1	0.14	0	21	0	0	0
6	10	5	16	8	21	0.1	0.14	7.504	21.297	25.246	0	0
6	10	6	190	91	22	0.2	0.14	98.613	26.254	507.431	461.382	0.461382
6	10	7	355	162	23	0.2	0.14	268.817	34.845	1492.759	1411.796	1.411796
6	10	8	480	208	24	0.2	0.14	465.327	44.691	2601.374	2481.129	2.481129
6	10	9	563	239	25	0.2	0.14	652.358	53.94	3492.213	3340.402	3.340402
6	10	10	348	382	27	0.2	0.14	689.654	57.495	3593.459	3438.061	3.438061
6	10	11	295	446	28	0.2	0.14	740.957	60.713	3786.716	3624.47	3.62447
6	10	12	18	322	28	0.3	0.14	328.956	42.034	1777.109	1686.071	1.686071
6	10	13	441	396	28	0.3	0.14	844.897	64.179	4262.791	4083.675	4.083675
6	10	14	431	356	28	0.3	0.14	755.438	60.379	3890.418	3724.497	3.724497
6	10	15	219	362	28	0.3	0.14	525.215	50.518	2816.748	2688.872	2.688872
6	10	16	159	281	27	0.2	0.14	366.328	43.241	2026.675	1926.794	1.926794
6	10	17	0	137	26	0.1	0.14	129.316	31.931	728.002	674.138	0.674138
6	10	18	0	11	25	0.1	0.14	10.391	25.477	53.708	23.737	0.023737
6	10	19	0	1	23	0.1	0.14	0.943	23.042	0	0	0
6	10	20	0	0	23	0.2	0.14	0	23	0	0	0
6	10	21	0	0	23	0.1	0.14	0	23	0	0	0
6	10	22	0	0	22	0.1	0.14	0	22	0	0	0
6	10	23	0	0	22	0.1	0.14	0	22	0	0	0
6	11	0	0	0	21	0.1	0.14	0	21	0	0	0
6	11	1	0	0	21	0.1	0.14	0	21	0	0	0
6	11	2	0	0	21	0.1	0.14	0	21	0	0	0
6	11	3	0	0	21	0.1	0.14	0	21	0	0	0
6	11	4	0	0	20	0.1	0.14	0	20	0	0	0

Month	Day	Hour	Beam Irradiance (W/m ²)	Diffuse Irradiance (W/m ²)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m ²)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	11	5	0	2	20	0.1	0.14	1.886	20.075	5.918	0	0
6	11	6	0	9	21	0.2	0.14	8.498	21.378	44.199	14.565	0.014565
6	11	7	197	163	22	0.2	0.14	217.402	31.606	1227.09	1155.541	1.155541
6	11	8	600	163	23	0.2	0.14	488.471	44.737	2740.32	2615.152	2.615152
6	11	9	57	318	23	0.2	0.14	349.841	38.462	1950.06	1852.893	1.852893
6	11	10	734	189	24	0.2	0.14	840.275	61.241	4343.262	4161.295	4.161295
6	11	11	741	208	25	0.3	0.14	939.021	65.289	4743.249	4547.109	4.547109
6	11	12	726	228	26	0.3	0.14	973.719	67.756	4852.552	4652.538	4.652538
6	11	13	774	187	26	0.3	0.14	957.69	67.092	4797.819	4599.745	4.599745
6	11	14	746	185	26	0.3	0.14	866.819	63.222	4436.088	4250.832	4.250832
6	11	15	327	328	26	0.3	0.14	579.255	50.855	3115.82	2977.346	2.977346
6	11	16	646	155	26	0.2	0.14	540.644	50.046	2964.771	2831.65	2.83165
6	11	17	547	128	25	0.2	0.14	335.717	39.833	1855.964	1762.132	1.762132
6	11	18	375	91	24	0.1	0.14	141.507	30.224	696.808	644.049	0.644049
6	11	19	106	31	22	0.2	0.14	25.573	23.095	122.467	90.059	0.090059
6	11	20	0	0	22	0.2	0.14	0	22	0	0	0
6	11	21	0	0	22	0.1	0.14	0	22	0	0	0
6	11	22	0	0	21	0.1	0.14	0	21	0	0	0
6	11	23	0	0	21	0.1	0.14	0	21	0	0	0
6	12	0	0	0	21	0.1	0.14	0	21	0	0	0
6	12	1	0	0	20	0.1	0.14	0	20	0	0	0
6	12	2	0	0	19	0.2	0.14	0	19	0	0	0
6	12	3	0	0	18	0.2	0.14	0	18	0	0	0
6	12	4	0	0	16	0.3	0.14	0	16	0	0	0
6	12	5	31	13	16	0.4	0.14	11.083	16.399	39.026	9.576	0.009576
6	12	6	0	29	16	0.3	0.14	27.429	17.181	154.197	120.665	0.120665
6	12	7	0	84	18	0.3	0.14	79.572	21.427	460.719	416.326	0.416326
6	12	8	0	145	19	0.4	0.14	137.613	24.73	792.954	736.789	0.736789
6	12	9	692	182	20	0.4	0.14	691.111	48.845	3791.929	3629.498	3.629498
6	12	10	754	189	22	0.4	0.14	857.274	57.721	4500.193	4312.665	4.312665
6	12	11	812	177	23	0.4	0.14	971.77	63.459	4952.438	4748.885	4.748885
6	12	12	846	165	24	0.4	0.14	1024.909	66.66	5139.191	4929.021	4.929021
6	12	13	877	141	24	0.4	0.14	1005.441	65.868	5069.24	4861.549	4.861549
6	12	14	874	129	24	0.4	0.14	921.114	62.392	4738.308	4542.343	4.542343
6	12	15	398	313	23	0.4	0.14	619.104	48.781	3367.337	3219.951	3.219951
6	12	16	445	225	22	0.4	0.14	487.884	42.376	2746.421	2621.036	2.621036
6	12	17	546	122	21	0.3	0.14	330.114	35.135	1859.993	1766.018	1.766018
6	12	18	539	70	19	0.2	0.14	150.238	25.275	714.07	660.699	0.660699
6	12	19	211	30	17	0.2	0.14	23.257	17.998	114.347	82.227	0.082227
6	12	20	0	0	16	0.2	0.14	0	16	0	0	0
6	12	21	0	0	16	0.2	0.14	0	16	0	0	0
6	12	22	0	0	15	0.2	0.14	0	15	0	0	0
6	12	23	0	0	14	0.1	0.14	0	14	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	13	0	0	0	14	0.1	0.14	0	14	0	0	0
6	13	1	0	0	13	0.1	0.14	0	13	0	0	0
6	13	2	0	0	13	0.1	0.14	0	13	0	0	0
6	13	3	0	0	13	0.1	0.14	0	13	0	0	0
6	13	4	0	0	13	0.1	0.14	0	13	0	0	0
6	13	5	0	9	13	0.1	0.14	8.504	13.337	30.028	0.896	0.000896
6	13	6	150	80	15	0.2	0.14	85.086	18.681	453.836	409.687	0.409687
6	13	7	3	133	16	0.3	0.14	126.041	21.428	742.898	688.506	0.688506
6	13	8	89	252	18	0.3	0.14	288.651	30.404	1674.052	1586.666	1.586666
6	13	9	756	152	19	0.3	0.14	707.073	49.432	3875.127	3709.748	3.709748
6	13	10	821	146	21	0.3	0.14	869.365	58.358	4557.08	4367.536	4.367536
6	13	11	836	155	22	0.3	0.14	972.351	63.739	4952.051	4748.512	4.748512
6	13	12	841	159	22	0.3	0.14	1013.664	65.495	5111.15	4901.973	4.901973
6	13	13	808	178	23	0.3	0.14	982.07	65.142	4963.391	4759.45	4.75945
6	13	14	802	165	23	0.3	0.14	897.761	61.559	4630.533	4438.387	4.438387
6	13	15	773	151	23	0.3	0.14	752.815	55.384	4015.232	3844.888	3.844888
6	13	16	716	135	22	0.2	0.14	563.447	47.067	3134.258	2995.131	2.995131
6	13	17	614	116	22	0.1	0.14	351.151	38.021	1956.813	1859.407	1.859407
6	13	18	451	84	21	0.3	0.14	148.474	27.082	725.236	671.47	0.67147
6	13	19	164	32	19	0.6	0.14	24.857	19.948	122.283	89.882	0.089882
6	13	20	0	0	18	0.8	0.14	0	18	0	0	0
6	13	21	0	0	17	0.8	0.14	0	17	0	0	0
6	13	22	0	0	15	0.7	0.14	0	15	0	0	0
6	13	23	0	0	15	0.7	0.14	0	15	0	0	0
6	14	0	0	0	15	0.8	0.14	0	15	0	0	0
6	14	1	0	0	15	0.9	0.14	0	15	0	0	0
6	14	2	0	0	14	0.9	0.14	0	14	0	0	0
6	14	3	0	0	13	0.8	0.14	0	13	0	0	0
6	14	4	0	0	13	0.7	0.14	0	13	0	0	0
6	14	5	85	15	14	0.4	0.14	11.745	14.423	41.874	12.322	0.012322
6	14	6	439	64	16	0.2	0.14	99.281	20.073	450.572	406.539	0.406539
6	14	7	482	118	18	0.2	0.14	269.113	29.818	1507.079	1425.609	1.425609
6	14	8	318	236	20	0.3	0.14	400.968	37.263	2296.643	2187.196	2.187196
6	14	9	530	243	22	0.3	0.14	630.924	49.122	3445.226	3295.08	3.29508
6	14	10	509	319	23	0.3	0.14	771.415	56.09	4059.728	3887.807	3.887807
6	14	11	463	385	24	0.3	0.14	846.562	60.26	4350.705	4168.475	4.168475
6	14	12	492	403	24	0.3	0.14	914.022	63.136	4629.625	4437.511	4.437511
6	14	13	451	396	25	0.2	0.14	854.65	62.762	4339.532	4157.697	4.157697
6	14	14	472	346	24	0.2	0.14	782.952	58.633	4065.995	3893.852	3.893852
6	14	15	516	267	24	0.2	0.14	669.819	53.689	3578.861	3423.98	3.42398
6	14	16	517	198	23	0.2	0.14	505.301	45.457	2814.441	2686.647	2.686647
6	14	17	601	119	22	0.2	0.14	349.564	37.443	1953.533	1856.244	1.856244
6	14	18	435	86	20	0.2	0.14	148.13	26.274	730.778	676.816	0.676816

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	14	19	146	32	17	0.1	0.14	24.821	18.104	123.861	91.404	0.091404
6	14	20	0	0	16	0.1	0.14	0	16	0	0	0
6	14	21	0	0	16	0.2	0.14	0	16	0	0	0
6	14	22	0	0	15	0.2	0.14	0	15	0	0	0
6	14	23	0	0	15	0.2	0.14	0	15	0	0	0
6	15	0	0	0	15	0.1	0.14	0	15	0	0	0
6	15	1	0	0	14	0.1	0.14	0	14	0	0	0
6	15	2	0	0	13	0.1	0.14	0	13	0	0	0
6	15	3	0	0	13	0.1	0.14	0	13	0	0	0
6	15	4	0	0	14	0.2	0.14	0	14	0	0	0
6	15	5	0	10	14	0.2	0.14	9.453	14.362	33.377	4.126	0.004126
6	15	6	142	80	16	0.3	0.14	84.05	19.528	448.443	404.485	0.404485
6	15	7	158	165	18	0.3	0.14	205.931	26.825	1186.786	1116.666	1.116666
6	15	8	0	56	20	0.4	0.14	53.103	22.211	297.231	258.631	0.258631
6	15	9	0	66	21	0.4	0.14	62.679	23.602	347.482	307.102	0.307102
6	15	10	0	82	22	0.5	0.14	78.005	25.138	430.533	387.21	0.38721
6	15	11	0	120	22	0.5	0.14	114.555	26.603	635.87	585.27	0.58527
6	15	12	14	270	22	0.5	0.14	274.007	33.01	1528.492	1446.263	1.446263
6	15	13	12	238	23	0.5	0.14	240.398	32.662	1338.396	1262.903	1.262903
6	15	14	8	193	22	0.4	0.14	191.835	29.948	1075.063	1008.901	1.008901
6	15	15	3	164	21	0.3	0.14	158.632	27.785	895.878	836.065	0.836065
6	15	16	10	202	21	0.2	0.14	197.957	29.761	1129.204	1061.124	1.061124
6	15	17	66	185	20	0.2	0.14	199.859	28.865	1154.342	1085.371	1.085371
6	15	18	147	103	20	0.1	0.14	117.831	25.314	639.296	588.576	0.588576
6	15	19	0	28	19	0.2	0.14	26.088	20.126	130.017	97.342	0.097342
6	15	20	0	0	19	0.5	0.14	0	19	0	0	0
6	15	21	0	0	19	0.6	0.14	0	19	0	0	0
6	15	22	0	0	19	0.6	0.14	0	19	0	0	0
6	15	23	0	0	19	0.7	0.14	0	19	0	0	0
6	16	0	0	0	18	0.6	0.14	0	18	0	0	0
6	16	1	0	0	18	0.3	0.14	0	18	0	0	0
6	16	2	0	0	18	0.1	0.14	0	18	0	0	0
6	16	3	0	0	18	0.1	0.14	0	18	0	0	0
6	16	4	0	0	17	0.1	0.14	0	17	0	0	0
6	16	5	91	15	17	0.2	0.14	11.752	17.45	41.265	11.735	0.011735
6	16	6	469	60	18	0.3	0.14	97.866	21.857	430.212	386.899	0.386899
6	16	7	662	86	20	0.3	0.14	297.655	32.627	1634.114	1548.143	1.548143
6	16	8	767	102	23	0.3	0.14	516.949	45.315	2906.126	2775.082	2.775082
6	16	9	828	112	24	0.3	0.14	716.822	54.865	3844.864	3680.557	3.680557
6	16	10	877	110	25	0.4	0.14	876.353	61.543	4535.084	4346.32	4.34632
6	16	11	894	115	26	0.4	0.14	981.044	66.866	4931.852	4729.029	4.729029
6	16	12	899	120	26	0.5	0.14	1025.111	67.443	5128.395	4918.608	4.918608
6	16	13	880	129	26	0.5	0.14	996.856	66.307	5017.764	4811.897	4.811897

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	16	14	231	429	26	0.5	0.14	637.211	51.687	3387.663	3239.557	3.239557
6	16	15	821	122	26	0.4	0.14	761.938	57.804	4025.097	3854.404	3.854404
6	16	16	95	278	26	0.3	0.14	323.341	39.883	1803.434	1711.463	1.711463
6	16	17	664	96	25	0.2	0.14	353.022	40.591	1945.398	1848.397	1.848397
6	16	18	499	72	23	0.2	0.14	147.722	29.202	700.449	647.561	0.647561
6	16	19	189	31	21	0.2	0.14	23.968	22.035	118.223	85.966	0.085966
6	16	20	0	0	19	0.2	0.14	0	19	0	0	0
6	16	21	0	0	19	0.2	0.14	0	19	0	0	0
6	16	22	0	0	19	0.2	0.14	0	19	0	0	0
6	16	23	0	0	19	0.2	0.14	0	19	0	0	0
6	17	0	0	0	19	0.2	0.14	0	19	0	0	0
6	17	1	0	0	19	0.2	0.14	0	19	0	0	0
6	17	2	0	0	19	0.2	0.14	0	19	0	0	0
6	17	3	0	0	19	0.2	0.14	0	19	0	0	0
6	17	4	0	0	19	0.1	0.14	0	19	0	0	0
6	17	5	32	13	19	0.1	0.14	12.608	19.499	44.069	14.439	0.014439
6	17	6	0	35	19	0.1	0.14	33.121	20.52	184.951	150.33	0.15033
6	17	7	81	163	20	0.2	0.14	178.566	27.912	1027.162	962.697	0.962697
6	17	8	606	159	21	0.2	0.14	485.287	42.596	2747.307	2621.891	2.621891
6	17	9	398	296	23	0.2	0.14	582.071	48.798	3170.831	3030.408	3.030408
6	17	10	162	418	25	0.3	0.14	556.981	48.836	2991.247	2857.188	2.857188
6	17	11	725	219	27	0.3	0.14	933.285	67.039	4675.764	4482.015	4.482015
6	17	12	746	213	28	0.3	0.14	977.738	69.933	4825.717	4626.654	4.626654
6	17	13	797	171	29	0.3	0.14	964.6	70.392	4761.096	4564.323	4.564323
6	17	14	779	163	28	0.3	0.14	876.121	65.627	4437.474	4252.169	4.252169
6	17	15	744	152	28	0.3	0.14	733.2	59.537	3838.813	3674.72	3.67472
6	17	16	553	186	27	0.3	0.14	516.3	49.242	2832.812	2704.366	2.704366
6	17	17	241	185	26	0.2	0.14	270.029	37.959	1508.202	1426.692	1.426692
6	17	18	127	105	24	0.1	0.14	116.56	29.27	627.2	576.908	0.576908
6	17	19	8	30	23	0.1	0.14	27.777	24.241	137.237	104.306	0.104306
6	17	20	0	0	22	0.1	0.14	0	22	0	0	0
6	17	21	0	0	22	0.2	0.14	0	22	0	0	0
6	17	22	0	0	22	0.1	0.14	0	22	0	0	0
6	17	23	0	0	21	0.1	0.14	0	21	0	0	0
6	18	0	0	0	21	0.1	0.14	0	21	0	0	0
6	18	1	0	0	21	0.1	0.14	0	21	0	0	0
6	18	2	0	0	21	0.2	0.14	0	21	0	0	0
6	18	3	0	0	21	0.2	0.14	0	21	0	0	0
6	18	4	0	0	21	0.1	0.14	0	21	0	0	0
6	18	5	0	2	21	0.1	0.14	1.94	21.077	6.07	0	0
6	18	6	0	18	21	0.2	0.14	17.01	21.756	91.442	60.134	0.060134
6	18	7	0	61	21	0.2	0.14	57.81	23.569	327.096	287.438	0.287438
6	18	8	0	99	22	0.1	0.14	93.979	26.299	529.804	482.963	0.482963

Month	Day	Hour	Beam Irradiance (W/m ²)	Diffuse Irradiance (W/m ²)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m ²)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	18	9	6	193	23	0.1	0.14	188.316	31.591	1056.282	990.785	0.990785
6	18	10	14	264	24	0.1	0.14	265.292	36.081	1467.903	1387.821	1.387821
6	18	11	6	168	25	0.1	0.14	166.521	32.574	915.532	855.023	0.855023
6	18	12	17	315	26	0.2	0.14	321.007	40.131	1746.728	1656.766	1.656766
6	18	13	45	414	26	0.2	0.14	454.026	45.998	2436.637	2322.229	2.322229
6	18	14	424	360	25	0.3	0.14	754.072	57.317	3934.559	3767.074	3.767074
6	18	15	134	368	25	0.3	0.14	466.456	44.982	2548.073	2429.717	2.429717
6	18	16	178	284	24	0.2	0.14	381.494	40.914	2133.756	2030.08	2.03008
6	18	17	261	183	23	0.2	0.14	276.217	35.232	1560.932	1477.554	1.477554
6	18	18	0	64	22	0.1	0.14	60.466	24.778	342.18	301.987	0.301987
6	18	19	0	13	21	0.1	0.14	12.282	21.549	59.221	29.055	0.029055
6	18	20	0	0	21	0.1	0.14	0	21	0	0	0
6	18	21	0	0	21	0.1	0.14	0	21	0	0	0
6	18	22	0	0	21	0.1	0.14	0	21	0	0	0
6	18	23	0	0	21	0.1	0.14	0	21	0	0	0
6	19	0	0	0	21	0.2	0.14	0	21	0	0	0
6	19	1	0	0	20	0.2	0.14	0	20	0	0	0
6	19	2	0	0	20	0.1	0.14	0	20	0	0	0
6	19	3	0	0	20	0.1	0.14	0	20	0	0	0
6	19	4	0	0	19	0.1	0.14	0	19	0	0	0
6	19	5	0	7	19	0.1	0.14	6.789	19.269	23.005	0	0
6	19	6	0	38	20	0.2	0.14	35.969	21.598	200.607	165.431	0.165431
6	19	7	0	73	22	0.2	0.14	69.221	25.076	392.207	350.242	0.350242
6	19	8	0	26	23	0.3	0.14	24.631	24.057	131.853	99.113	0.099113
6	19	9	0	82	24	0.3	0.14	77.905	27.334	429.001	385.732	0.385732
6	19	10	28	331	24	0.2	0.14	348.185	39.354	1917.206	1821.204	1.821204
6	19	11	172	468	24	0.1	0.14	636.598	53.003	3350.704	3203.907	3.203907
6	19	12	13	255	24	0.1	0.14	258.363	35.747	1422.215	1343.753	1.343753
6	19	13	0	106	24	0.2	0.14	101.168	28.453	553.798	506.106	0.506106
6	19	14	14	270	24	0.2	0.14	271.842	35.98	1503.534	1422.19	1.42219
6	19	15	55	337	24	0.2	0.14	370.421	40.36	2046.209	1945.636	1.945636
6	19	16	16	219	24	0.3	0.14	217.771	33.341	1228.133	1156.547	1.156547
6	19	17	460	146	23	0.2	0.14	321.045	37.199	1799.112	1707.294	1.707294
6	19	18	70	105	22	0.1	0.14	107.983	26.916	599.625	550.309	0.550309
6	19	19	111	35	21	0.1	0.14	28.701	22.284	144.121	110.946	0.110946
6	19	20	0	0	20	0.1	0.14	0	20	0	0	0
6	19	21	0	0	20	0.1	0.14	0	20	0	0	0
6	19	22	0	0	20	0.2	0.14	0	20	0	0	0
6	19	23	0	0	20	0.5	0.14	0	20	0	0	0
6	20	0	0	0	20	0.6	0.14	0	20	0	0	0
6	20	1	0	0	20	0.6	0.14	0	20	0	0	0
6	20	2	0	0	19	0.5	0.14	0	19	0	0	0
6	20	3	0	0	19	0.2	0.14	0	19	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	20	4	0	0	19	0.1	0.14	0	19	0	0	0
6	20	5	0	0	20	0.1	0.14	0	0	0	0	0
6	20	6	0	23	21	0.2	0.14	21.744	21.966	118.174	85.918	0.085918
6	20	7	0	21	23	0.3	0.14	19.865	23.856	106.695	74.847	0.074847
6	20	8	0	26	24	0.3	0.14	24.63	25.057	131.228	98.51	0.09851
6	20	9	0	112	25	0.3	0.14	106.5	29.558	588.734	539.805	0.539805
6	20	10	0	63	26	0.3	0.14	59.904	28.559	321.803	282.332	0.282332
6	20	11	0	102	27	0.2	0.14	97.282	31.283	525.484	478.796	0.478796
6	20	12	40	413	27	0.2	0.14	449.616	46.798	2401.75	2288.578	2.288578
6	20	13	113	470	27	0.3	0.14	585.093	51.993	3081.889	2944.618	2.944618
6	20	14	212	433	27	0.3	0.14	624.425	53.721	3288.075	3143.497	3.143497
6	20	15	167	370	26	0.3	0.14	494.087	47.172	2679.75	2556.728	2.556728
6	20	16	90	279	26	0.3	0.14	321.625	39.808	1793.441	1701.824	1.701824
6	20	17	25	170	25	0.2	0.14	169.884	32.539	962.249	900.085	0.900085
6	20	18	4	94	24	0.2	0.14	88.092	27.916	498.73	452.99	0.45299
6	20	19	0	12	23	0.3	0.14	11.335	23.476	54.176	24.188	0.024188
6	20	20	0	0	23	0.3	0.14	0	23	0	0	0
6	20	21	0	0	22	0.1	0.14	0	22	0	0	0
6	20	22	0	0	22	0.1	0.14	0	22	0	0	0
6	20	23	0	0	22	0.1	0.14	0	22	0	0	0
6	21	0	0	0	22	0.4	0.14	0	22	0	0	0
6	21	1	0	0	22	0.6	0.14	0	22	0	0	0
6	21	2	0	0	22	0.7	0.14	0	22	0	0	0
6	21	3	0	0	21	0.5	0.14	0	21	0	0	0
6	21	4	0	0	21	0.2	0.14	0	21	0	0	0
6	21	5	0	4	22	0.2	0.14	3.879	22.149	12.548	0	0
6	21	6	0	49	23	0.2	0.14	46.386	25.06	257.639	220.442	0.220442
6	21	7	459	131	23	0.3	0.14	271.106	34.541	1490.439	1409.559	1.409559
6	21	8	585	161	24	0.3	0.14	474.146	44.449	2662.098	2539.701	2.539701
6	21	9	659	184	25	0.3	0.14	665.347	53.625	3575.833	3421.059	3.421059
6	21	10	710	197	26	0.3	0.14	823.93	61.387	4255.288	4076.438	4.076438
6	21	11	749	196	27	0.3	0.14	927.94	66.818	4657.468	4464.367	4.464367
6	21	12	767	192	27	0.3	0.14	972.383	68.711	4829.846	4630.638	4.630638
6	21	13	40	405	27	0.3	0.14	440.06	45.783	2361.646	2249.895	2.249895
6	21	14	0	99	27	0.3	0.14	94.296	31.026	510.537	464.379	0.464379
6	21	15	0	78	27	0.4	0.14	74.128	30.075	401.231	358.946	0.358946
6	21	16	0	147	26	0.4	0.14	139.672	31.81	778.632	722.974	0.722974
6	21	17	0	119	25	0.4	0.14	112.543	29.697	635.59	585	0.585
6	21	18	41	103	23	0.4	0.14	101.516	27.221	569.044	520.812	0.520812
6	21	19	0	25	23	0.4	0.14	23.669	23.965	117.405	85.177	0.085177
6	21	20	0	0	22	0.5	0.14	0	22	0	0	0
6	21	21	0	0	22	0.5	0.14	0	22	0	0	0
6	21	22	0	0	22	0.5	0.14	0	22	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	21	23	0	0	21	0.4	0.14	0	21	0	0	0
6	22	0	0	0	21	0.3	0.14	0	21	0	0	0
6	22	1	0	0	21	0.3	0.14	0	21	0	0	0
6	22	2	0	0	21	0.3	0.14	0	21	0	0	0
6	22	3	0	0	21	0.3	0.14	0	21	0	0	0
6	22	4	0	0	21	0.2	0.14	0	21	0	0	0
6	22	5	0	15	21	0.2	0.14	14.548	21.558	50.687	20.823	0.020823
6	22	6	0	9	21	0.3	0.14	8.498	21.366	44.171	14.538	0.014538
6	22	7	0	73	22	0.4	0.14	69.221	24.892	392.574	350.595	0.350595
6	22	8	0	156	24	0.4	0.14	148	30.163	836.18	778.483	0.778483
6	22	9	18	256	25	0.4	0.14	257.445	35.693	1436.157	1357.2	1.3572
6	22	10	51	374	26	0.5	0.14	410.796	42.541	2243.82	2136.244	2.136244
6	22	11	43	403	27	0.5	0.14	439.534	44.675	2372.118	2259.996	2.259996
6	22	12	30	385	27	0.5	0.14	411.294	43.53	2222.193	2115.384	2.115384
6	22	13	39	402	26	0.6	0.14	436.069	43.036	2366.935	2254.997	2.254997
6	22	14	223	432	25	0.5	0.14	633.573	50.538	3383.547	3235.587	3.235587
6	22	15	740	163	24	0.4	0.14	744.517	55.062	3973.198	3804.344	3.804344
6	22	16	664	155	24	0.4	0.14	556.764	47.278	3089.372	2951.836	2.951836
6	22	17	234	188	24	0.3	0.14	271.175	35.642	1530.786	1448.476	1.448476
6	22	18	62	105	23	0.3	0.14	106.876	27.57	593.858	544.747	0.544747
6	22	19	0	11	22	0.2	0.14	10.389	22.451	49.877	20.042	0.020042
6	22	20	0	0	21	0.2	0.14	0	21	0	0	0
6	22	21	0	0	21	0.2	0.14	0	21	0	0	0
6	22	22	0	0	21	0.2	0.14	0	21	0	0	0
6	22	23	0	0	20	0.2	0.14	0	20	0	0	0
6	23	0	0	0	20	0.2	0.14	0	20	0	0	0
6	23	1	0	0	20	0.2	0.14	0	20	0	0	0
6	23	2	0	0	20	0.2	0.14	0	20	0	0	0
6	23	3	0	0	20	0.2	0.14	0	20	0	0	0
6	23	4	0	0	20	0.2	0.14	0	20	0	0	0
6	23	5	120	13	20	0.2	0.14	12.608	20.483	43.847	14.225	0.014225
6	23	6	496	52	21	0.3	0.14	90.168	24.496	374.247	332.918	0.332918
6	23	7	675	74	22	0.4	0.14	287.879	33.828	1562.073	1478.655	1.478655
6	23	8	769	89	23	0.5	0.14	501.061	43.377	2840.566	2711.845	2.711845
6	23	9	2	162	24	0.5	0.14	155.716	30.278	871.831	812.871	0.812871
6	23	10	0	124	25	0.6	0.14	118.169	29.62	651.169	600.027	0.600027
6	23	11	26	357	26	0.6	0.14	376.93	40.727	2059.188	1958.155	1.958155
6	23	12	887	116	26	0.6	0.14	1008.822	65.634	5090.196	4881.762	4.881762
6	23	13	153	478	26	0.6	0.14	632.559	50.74	3357.045	3210.024	3.210024
6	23	14	140	436	26	0.6	0.14	562.692	48.026	3025.567	2890.291	2.890291
6	23	15	806	128	25	0.5	0.14	759.709	55.786	4047.008	3875.539	3.875539
6	23	16	236	279	24	0.5	0.14	412.266	40.691	2315.805	2205.679	2.205679
6	23	17	269	183	23	0.4	0.14	280.548	34.681	1590.455	1506.031	1.506031

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	23	18	532	70	22	0.3	0.14	154.625	28.288	736.19	682.036	0.682036
6	23	19	241	31	20	0.2	0.14	24.298	21.055	122.548	90.138	0.090138
6	23	20	0	0	19	0.2	0.14	0	19	0	0	0
6	23	21	0	0	18	0.2	0.14	0	18	0	0	0
6	23	22	0	0	18	0.1	0.14	0	18	0	0	0
6	23	23	0	0	17	0.1	0.14	0	17	0	0	0
6	24	0	0	0	17	0.1	0.14	0	17	0	0	0
6	24	1	0	0	17	0.1	0.14	0	17	0	0	0
6	24	2	0	0	16	0.2	0.14	0	16	0	0	0
6	24	3	0	0	16	0.2	0.14	0	16	0	0	0
6	24	4	0	0	16	0.2	0.14	0	16	0	0	0
6	24	5	117	13	16	0.2	0.14	12.608	16.483	44.747	15.093	0.015093
6	24	6	0	55	18	0.3	0.14	51.716	20.226	294.849	256.333	0.256333
6	24	7	20	144	19	0.4	0.14	141.405	24.903	822.933	765.705	0.765705
6	24	8	0	69	20	0.5	0.14	65.456	22.646	369.216	328.066	0.328066
6	24	9	0	119	21	0.5	0.14	113.178	25.563	638.19	587.508	0.587508
6	24	10	0	50	21	0.5	0.14	47.528	22.912	259.16	221.909	0.221909
6	24	11	20	326	21	0.5	0.14	333.542	34.409	1863.925	1769.81	1.76981
6	24	12	21	344	22	0.5	0.14	353.477	36.204	1960.738	1863.193	1.863193
6	24	13	82	456	22	0.5	0.14	533	43.438	2903.977	2773.009	2.773009
6	24	14	9	204	23	0.4	0.14	203.401	31.427	1135.135	1066.844	1.066844
6	24	15	136	370	22	0.4	0.14	470.582	41.555	2607.866	2487.391	2.487391
6	24	16	129	286	22	0.4	0.14	354.87	36.784	2011.75	1912.398	1.912398
6	24	17	670	98	21	0.3	0.14	361.703	36.492	2033.566	1933.44	1.93344
6	24	18	201	107	20	0.2	0.14	131.186	25.703	703.116	650.133	0.650133
6	24	19	234	33	18	0.1	0.14	25.501	19.144	130.245	97.562	0.097562
6	24	20	0	0	17	0.1	0.14	0	17	0	0	0
6	24	21	0	0	16	0.1	0.14	0	16	0	0	0
6	24	22	0	0	15	0.1	0.14	0	15	0	0	0
6	24	23	0	0	15	0.1	0.14	0	15	0	0	0
6	25	0	0	0	15	0.1	0.14	0	15	0	0	0
6	25	1	0	0	16	0.1	0.14	0	16	0	0	0
6	25	2	0	0	15	0.1	0.14	0	15	0	0	0
6	25	3	0	0	15	0.1	0.14	0	15	0	0	0
6	25	4	0	0	15	0.1	0.14	0	15	0	0	0
6	25	5	104	13	15	0.1	0.14	12.608	15.499	44.968	15.307	0.015307
6	25	6	476	56	17	0.2	0.14	91.063	20.673	392.584	350.605	0.350605
6	25	7	664	81	19	0.3	0.14	288.48	31.219	1582.778	1498.626	1.498626
6	25	8	763	99	20	0.3	0.14	506.647	41.873	2889.662	2759.201	2.759201
6	25	9	205	340	22	0.3	0.14	480.663	42.62	2666.769	2544.207	2.544207
6	25	10	431	339	23	0.3	0.14	720.867	53.91	3824.369	3660.788	3.660788
6	25	11	362	399	24	0.3	0.14	756.057	56.368	3946.714	3778.798	3.778798
6	25	12	247	477	25	0.3	0.14	737.304	56.522	3827.346	3663.66	3.66366

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	25	13	229	471	25	0.3	0.14	700.2	54.939	3660.403	3502.632	3.502632
6	25	14	256	425	25	0.2	0.14	662.985	54.283	3488.321	3336.648	3.336648
6	25	15	253	360	25	0.2	0.14	556.174	49.607	2998.209	2863.903	2.863903
6	25	16	410	240	25	0.2	0.14	485.622	46.564	2682.046	2558.943	2.558943
6	25	17	360	168	25	0.2	0.14	303.043	38.415	1692.329	1604.295	1.604295
6	25	18	500	69	24	0.3	0.14	148.93	30.068	706.714	653.605	0.653605
6	25	19	192	33	22	0.5	0.14	25.478	23.01	127.891	95.292	0.095292
6	25	20	0	0	21	0.7	0.14	0	21	0	0	0
6	25	21	0	0	20	0.8	0.14	0	20	0	0	0
6	25	22	0	0	19	0.7	0.14	0	19	0	0	0
6	25	23	0	0	19	0.6	0.14	0	19	0	0	0
6	26	0	0	0	18	0.3	0.14	0	18	0	0	0
6	26	1	0	0	18	0.1	0.14	0	18	0	0	0
6	26	2	0	0	18	0.1	0.14	0	18	0	0	0
6	26	3	0	0	17	0.2	0.14	0	17	0	0	0
6	26	4	0	0	17	0.2	0.14	0	17	0	0	0
6	26	5	0	1	17	0.2	0.14	0.97	17.037	0	0	0
6	26	6	0	9	17	0.2	0.14	8.498	17.377	45.051	15.386	0.015386
6	26	7	0	66	17	0.2	0.14	62.562	19.781	361.283	320.413	0.320413
6	26	8	0	84	18	0.3	0.14	79.725	21.422	455.974	411.749	0.411749
6	26	9	17	251	18	0.4	0.14	251.873	28.462	1446.707	1367.376	1.367376
6	26	10	25	318	19	0.4	0.14	332.602	32.789	1879.346	1784.685	1.784685
6	26	11	47	390	20	0.5	0.14	430.281	37.305	2394.093	2281.193	2.281193
6	26	12	47	427	21	0.5	0.14	470.885	39.929	2592.029	2472.115	2.472115
6	26	13	35	392	22	0.4	0.14	422.172	39.48	2323.598	2213.196	2.213196
6	26	14	452	352	22	0.4	0.14	773.194	54.149	4092.014	3918.949	3.918949
6	26	15	279	355	22	0.4	0.14	571.608	45.78	3134.859	2995.71	2.99571
6	26	16	276	273	21	0.3	0.14	433.992	39.66	2453.374	2338.373	2.338373
6	26	17	255	185	21	0.2	0.14	277.521	33.293	1582.87	1498.715	1.498715
6	26	18	259	98	20	0.1	0.14	133.721	25.965	700.299	647.417	0.647417
6	26	19	24	33	18	0.1	0.14	29.782	19.337	153.53	120.021	0.120021
6	26	20	0	0	16	0.1	0.14	0	16	0	0	0
6	26	21	0	0	16	0.1	0.14	0	16	0	0	0
6	26	22	0	0	15	0.1	0.14	0	15	0	0	0
6	26	23	0	0	15	0.1	0.14	0	15	0	0	0
6	27	0	0	0	15	0.1	0.14	0	15	0	0	0
6	27	1	0	0	14	0.1	0.14	0	14	0	0	0
6	27	2	0	0	14	0.1	0.14	0	14	0	0	0
6	27	3	0	0	14	0.1	0.14	0	14	0	0	0
6	27	4	0	0	14	0.1	0.14	0	14	0	0	0
6	27	5	0	14	15	0.2	0.14	13.578	15.521	48.599	18.809	0.018809
6	27	6	183	75	17	0.3	0.14	81.6	20.397	421.114	378.124	0.378124
6	27	7	111	162	19	0.3	0.14	186.524	27.001	1074.207	1008.075	1.008075

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
6	27	8	123	253	21	0.4	0.14	308.506	33.867	1770.707	1679.896	1.679896
6	27	9	0	108	23	0.4	0.14	102.68	27.263	572.572	524.216	0.524216
6	27	10	96	404	24	0.4	0.14	479.502	43.895	2617.825	2496.997	2.496997
6	27	11	223	461	26	0.4	0.14	678.231	54.138	3559.903	3405.694	3.405694
6	27	12	427	411	27	0.4	0.14	856.703	62.574	4347.955	4165.822	4.165822
6	27	13	314	449	27	0.4	0.14	768.862	58.91	3959.774	3791.396	3.791396
6	27	14	39	371	27	0.4	0.14	400.049	43.579	2169.195	2064.264	2.064264
6	27	15	39	319	27	0.4	0.14	340.694	41.143	1869.993	1775.664	1.775664
6	27	16	151	287	27	0.4	0.14	369.462	42.395	2049.633	1948.938	1.948938
6	27	17	266	184	26	0.3	0.14	281.159	38.07	1572.484	1488.696	1.488696
6	27	18	98	117	25	0.2	0.14	123.032	30.411	671.544	619.681	0.619681
6	27	19	0	31	24	0.2	0.14	28.722	25.248	143.816	110.652	0.110652
6	27	20	0	0	24	0.2	0.14	0	24	0	0	0
6	27	21	0	0	23	0.2	0.14	0	23	0	0	0
6	27	22	0	0	23	0.2	0.14	0	23	0	0	0
6	27	23	0	0	22	0.2	0.14	0	22	0	0	0
6	28	0	0	0	22	0.1	0.14	0	22	0	0	0
6	28	1	0	0	22	0.1	0.14	0	22	0	0	0
6	28	2	0	0	21	0.1	0.14	0	21	0	0	0
6	28	3	0	0	21	0.1	0.14	0	21	0	0	0
6	28	4	0	0	21	0.1	0.14	0	21	0	0	0
6	28	5	0	6	21	0.1	0.14	5.819	21.23	19.348	0	0
6	28	6	22	74	22	0.2	0.14	69.052	25.053	383.917	342.245	0.342245
6	28	7	148	161	22	0.2	0.14	197.115	30.714	1115.336	1047.747	1.047747
6	28	8	324	230	22	0.2	0.14	394.795	39.543	2241.24	2133.756	2.133756
6	28	9	758	135	24	0.3	0.14	683.777	53.437	3687.218	3528.497	3.528497
6	28	10	822	137	25	0.4	0.14	855.579	60.67	4442.263	4256.788	4.256788
6	28	11	439	384	26	0.4	0.14	820.831	60.104	4221.125	4043.486	4.043486
6	28	12	480	406	27	0.5	0.14	904.859	63.491	4575.623	4385.423	4.385423
6	28	13	416	401	27	0.5	0.14	826.688	60.336	4240.848	4062.51	4.06251
6	28	14	468	349	27	0.5	0.14	785.237	58.703	4075.445	3902.967	3.902967
6	28	15	863	108	26	0.4	0.14	783.405	58.703	4123.751	3949.562	3.949562
6	28	16	812	98	25	0.4	0.14	592.37	49.786	3263.765	3120.049	3.120049
6	28	17	731	84	24	0.3	0.14	375.343	40.076	2081.274	1979.458	1.979458
6	28	18	594	63	22	0.2	0.14	160.688	28.708	753.562	698.792	0.698792
6	28	19	311	29	20	0.2	0.14	22.355	20.971	112.606	80.548	0.080548
6	28	20	0	0	18	0.2	0.14	0	18	0	0	0
6	28	21	0	0	18	0.2	0.14	0	18	0	0	0
6	28	22	0	0	17	0.2	0.14	0	17	0	0	0
6	28	23	0	0	16	0.2	0.14	0	16	0	0	0
6	29	0	0	0	15	0.2	0.14	0	15	0	0	0
6	29	1	0	0	14	0.2	0.14	0	14	0	0	0
6	29	2	0	0	14	0.2	0.14	0	14	0	0	0

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6	29	3	0	0	13	0.2	0.14	0	13	0	0	0
6	29	4	0	0	13	0.2	0.14	0	13	0	0	0
6	29	5	160	12	14	0.2	0.14	11.638	14.446	41.564	12.023	0.012023
6	29	6	577	46	17	0.2	0.14	88.657	20.458	351.973	311.433	0.311433
6	29	7	753	66	19	0.2	0.14	300.742	32.116	1633.885	1547.922	1.547922
6	29	8	843	79	21	0.3	0.14	526.542	43.741	2986.039	2852.164	2.852164
6	29	9	892	89	23	0.3	0.14	730.975	54.487	3933.034	3765.603	3.765603
6	29	10	914	101	24	0.3	0.14	894.272	62.448	4611.387	4419.919	4.419919
6	29	11	928	107	25	0.3	0.14	1003.019	68.076	5015.075	4809.303	4.809303
6	29	12	931	110	26	0.3	0.14	1046.991	70.944	5154.174	4943.474	4.943474
6	29	13	917	116	26	0.3	0.14	1022.496	69.899	5062.708	4855.248	4.855248
6	29	14	896	115	26	0.2	0.14	932.687	67.351	4692.032	4497.706	4.497706
6	29	15	860	111	26	0.2	0.14	784.515	60.834	4090.553	3917.541	3.917541
6	29	16	802	104	26	0.2	0.14	592.833	52.382	3229.394	3086.896	3.086896
6	29	17	710	91	26	0.2	0.14	373.043	42.489	2048.551	1947.894	1.947894
6	29	18	553	69	24	0.4	0.14	159.424	30.288	753.3	698.539	0.698539
6	29	19	251	32	22	0.7	0.14	25.22	22.945	126.639	94.083	0.094083
6	29	20	0	0	22	0.9	0.14	0	22	0	0	0
6	29	21	0	0	22	0.8	0.14	0	22	0	0	0
6	29	22	0	0	21	0.6	0.14	0	21	0	0	0
6	29	23	0	0	21	0.6	0.14	0	21	0	0	0
6	30	0	0	0	20	0.6	0.14	0	20	0	0	0
6	30	1	0	0	19	0.7	0.14	0	19	0	0	0
6	30	2	0	0	18	0.8	0.14	0	18	0	0	0
6	30	3	0	0	17	0.9	0.14	0	17	0	0	0
6	30	4	0	0	16	0.9	0.14	0	16	0	0	0
6	30	5	85	11	17	0.5	0.14	10.668	17.373	37.377	7.985	0.007985
6	30	6	469	56	19	0.1	0.14	87.918	22.662	375.065	333.707	0.333707
6	30	7	656	83	21	0.1	0.14	284.738	33.846	1541.454	1458.766	1.458766
6	30	8	756	101	24	0.1	0.14	501.926	47.096	2801.104	2673.782	2.673782
6	30	9	812	116	26	0.1	0.14	702.341	58.233	3713.168	3553.527	3.553527
6	30	10	845	128	27	0.1	0.14	861.589	66.469	4360.6	4178.019	4.178019
6	30	11	863	135	28	0.1	0.14	968.612	72.324	4747.635	4551.339	4.551339
6	30	12	870	138	28	0	0.14	1014.025	75.927	4875.662	4674.83	4.67483
6	30	13	868	135	29	0	0.14	993.574	75.969	4781.262	4583.775	4.583775
6	30	14	836	140	29	0	0.14	903.547	71.745	4452.087	4266.264	4.266264
6	30	15	789	139	29	0	0.14	760.688	65.037	3887.699	3721.874	3.721874
6	30	16	728	128	30	0.1	0.14	572.25	56.295	3059.448	2922.972	2.922972
6	30	17	645	106	30	0.2	0.14	362.043	46.008	1959.343	1861.848	1.861848
6	30	18	485	80	28	0.1	0.14	158.112	34.908	750.611	695.946	0.695946
6	30	19	94	36	22	0.4	0.14	29.478	23.204	149.06	115.71	0.11571
6	30	20	0	0	20	0.6	0.14	0	20	0	0	0
6	30	21	0	0	19	0.5	0.14	0	19	0	0	0

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6	30	22	0	0	19	0.4	0.14	0	19	0	0	0
6	30	23	0	0	18	0.2	0.14	0	18	0	0	0
7	1	0	0	0	18	0.1	0.14	0	18	0	0	0
7	1	1	0	0	18	0.1	0.14	0	18	0	0	0
7	1	2	0	0	18	0.1	0.14	0	18	0	0	0
7	1	3	0	0	17	0.1	0.14	0	17	0	0	0
7	1	4	0	0	17	0.1	0.14	0	17	0	0	0
7	1	5	14	6	18	0.1	0.14	5.819	18.23	19.669	0	0
7	1	6	221	84	21	0.2	0.14	91.253	24.91	460.225	415.849	0.415849
7	1	7	435	138	23	0.2	0.14	265.751	34.668	1457.361	1377.653	1.377653
7	1	8	587	164	26	0.3	0.14	473.45	46.421	2637.379	2515.858	2.515858
7	1	9	431	276	28	0.3	0.14	586.726	53.212	3141.043	3001.675	3.001675
7	1	10	743	183	29	0.3	0.14	835.391	64.888	4250.677	4071.99	4.07199
7	1	11	764	194	30	0.3	0.14	939.109	70.301	4639.651	4447.182	4.447182
7	1	12	768	201	31	0.4	0.14	982.774	71.894	4809.055	4610.583	4.610583
7	1	13	732	220	32	0.4	0.14	957.409	71.838	4687.462	4493.299	4.493299
7	1	14	706	215	31	0.4	0.14	870.002	67.228	4366.879	4184.076	4.184076
7	1	15	662	203	30	0.4	0.14	727.636	60.343	3787.866	3625.579	3.625579
7	1	16	605	178	29	0.4	0.14	547.404	51.879	2973.729	2840.29	2.84029
7	1	17	518	143	28	0.3	0.14	345.441	42.813	1897.429	1802.128	1.802128
7	1	18	156	106	27	0.2	0.14	124.138	32.422	655.352	604.062	0.604062
7	1	19	91	35	25	0.2	0.14	28.712	26.247	142.804	109.676	0.109676
7	1	20	0	0	23	0.2	0.14	0	23	0	0	0
7	1	21	0	0	23	0.2	0.14	0	23	0	0	0
7	1	22	0	0	23	0.2	0.14	0	23	0	0	0
7	1	23	0	0	22	0.2	0.14	0	22	0	0	0
7	2	0	0	0	22	0.2	0.14	0	22	0	0	0
7	2	1	0	0	21	0.2	0.14	0	21	0	0	0
7	2	2	0	0	20	0.2	0.14	0	20	0	0	0
7	2	3	0	0	20	0.2	0.14	0	20	0	0	0
7	2	4	0	0	20	0.1	0.14	0	20	0	0	0
7	2	5	0	7	20	0.2	0.14	6.789	20.26	22.882	0	0
7	2	6	75	75	22	0.3	0.14	72.775	25.088	391.022	349.098	0.349098
7	2	7	478	113	24	0.3	0.14	255.462	34.849	1388.377	1311.113	1.311113
7	2	8	447	197	27	0.4	0.14	429.329	44.951	2395.235	2282.294	2.282294
7	2	9	476	256	30	0.5	0.14	599.157	54.257	3197.644	3056.271	3.056271
7	2	10	402	349	31	0.6	0.14	704.744	58.656	3660.532	3502.756	3.502756
7	2	11	708	235	32	0.5	0.14	931.14	69.623	4609.26	4417.868	4.417868
7	2	12	712	243	33	0.5	0.14	974.753	72.367	4753.757	4557.244	4.557244
7	2	13	661	274	33	0.5	0.14	942.185	71.048	4623.521	4431.623	4.431623
7	2	14	171	428	33	0.5	0.14	583.899	56.527	3031.297	2895.818	2.895818
7	2	15	154	374	32	0.4	0.14	489.601	52.349	2595.066	2475.044	2.475044
7	2	16	529	216	31	0.4	0.14	536.62	53.417	2889.436	2758.984	2.758984

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	2	17	447	168	30	0.3	0.14	340.836	44.622	1860.113	1766.134	1.766134
7	2	18	315	109	27	0.2	0.14	154.095	33.644	781.016	725.273	0.725273
7	2	19	103	35	25	0.2	0.14	28.715	26.247	142.67	109.547	0.109547
7	2	20	0	0	24	0.2	0.14	0	24	0	0	0
7	2	21	0	0	23	0.2	0.14	0	23	0	0	0
7	2	22	0	0	23	0.2	0.14	0	23	0	0	0
7	2	23	0	0	22	0.2	0.14	0	22	0	0	0
7	3	0	0	0	21	0.1	0.14	0	21	0	0	0
7	3	1	0	0	21	0.1	0.14	0	21	0	0	0
7	3	2	0	0	21	0.1	0.14	0	21	0	0	0
7	3	3	0	0	21	0.1	0.14	0	21	0	0	0
7	3	4	0	0	21	0.1	0.14	0	21	0	0	0
7	3	5	6	4	21	0.1	0.14	3.879	21.154	12.62	0	0
7	3	6	0	54	22	0.2	0.14	50.682	24.25	283.022	244.925	0.244925
7	3	7	10	134	24	0.2	0.14	128.888	29.726	733.882	679.81	0.67981
7	3	8	16	209	27	0.3	0.14	206.564	35.871	1155.723	1086.704	1.086704
7	3	9	460	293	29	0.3	0.14	623.345	55.786	3302.732	3157.635	3.157635
7	3	10	568	288	31	0.4	0.14	787.399	63.78	4012.321	3842.081	3.842081
7	3	11	639	276	32	0.5	0.14	905.796	68.585	4500.512	4312.973	4.312973
7	3	12	677	265	33	0.5	0.14	961.998	71.845	4700.712	4506.079	4.506079
7	3	13	637	290	33	0.5	0.14	934.627	70.738	4591.216	4400.463	4.400463
7	3	14	636	266	32	0.5	0.14	857.818	66.667	4310.184	4129.389	4.129389
7	3	15	614	237	32	0.5	0.14	724.261	61.315	3749.379	3588.455	3.588455
7	3	16	567	202	31	0.4	0.14	546.393	53.83	2940.101	2807.854	2.807854
7	3	17	486	159	30	0.3	0.14	348.238	44.937	1898.047	1802.724	1.802724
7	3	18	347	106	27	0.2	0.14	156.764	33.739	787.064	731.107	0.731107
7	3	19	120	36	25	0.2	0.14	29.482	26.28	146.45	113.193	0.113193
7	3	20	0	0	24	0.2	0.14	0	24	0	0	0
7	3	21	0	0	23	0.2	0.14	0	23	0	0	0
7	3	22	0	0	23	0.2	0.14	0	23	0	0	0
7	3	23	0	0	23	0.2	0.14	0	23	0	0	0
7	4	0	0	0	23	0.2	0.14	0	23	0	0	0
7	4	1	0	0	23	0.2	0.14	0	23	0	0	0
7	4	2	0	0	23	0.2	0.14	0	23	0	0	0
7	4	3	0	0	23	0.2	0.14	0	23	0	0	0
7	4	4	0	0	22	0.1	0.14	0	22	0	0	0
7	4	5	0	6	22	0.1	0.14	5.819	22.23	19.241	0	0
7	4	6	260	67	24	0.2	0.14	77.869	27.284	367.366	326.281	0.326281
7	4	7	336	137	26	0.3	0.14	232.491	35.906	1268.573	1195.554	1.195554
7	4	8	97	245	28	0.4	0.14	284.616	39.87	1588.909	1504.539	1.504539
7	4	9	0	94	29	0.5	0.14	89.326	32.602	483.809	438.597	0.438597
7	4	10	65	383	30	0.5	0.14	431.891	47.395	2316.07	2205.934	2.205934
7	4	11	419	386	30	0.5	0.14	803.705	62.42	4090.215	3917.214	3.917214

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	4	12	138	483	29	0.5	0.14	627.571	54.251	3276.902	3132.72	3.13272
7	4	13	160	449	28	0.4	0.14	611.237	53.342	3208.689	3066.924	3.066924
7	4	14	254	425	27	0.4	0.14	662.931	54.528	3484.34	3332.808	3.332808
7	4	15	0	59	26	0.3	0.14	56.046	28.397	301.713	262.954	0.262954
7	4	16	0	102	25	0.2	0.14	96.881	29.286	537.649	490.53	0.49053
7	4	17	0	61	24	0.2	0.14	57.819	26.567	321.455	281.997	0.281997
7	4	18	68	106	24	0.1	0.14	109.394	28.983	603.633	554.176	0.554176
7	4	19	0	28	23	0.1	0.14	26.21	24.175	130.653	97.956	0.097956
7	4	20	0	0	22	0.1	0.14	0	22	0	0	0
7	4	21	0	0	22	0.1	0.14	0	22	0	0	0
7	4	22	0	0	22	0.1	0.14	0	22	0	0	0
7	4	23	0	0	21	0.1	0.14	0	21	0	0	0
7	5	0	0	0	21	0.1	0.14	0	21	0	0	0
7	5	1	0	0	21	0.1	0.14	0	21	0	0	0
7	5	2	0	0	20	0.1	0.14	0	20	0	0	0
7	5	3	0	0	20	0.1	0.14	0	20	0	0	0
7	5	4	0	0	20	0.1	0.14	0	20	0	0	0
7	5	5	0	4	20	0.1	0.14	3.879	20.154	12.692	0	0
7	5	6	0	13	20	0.2	0.14	12.279	20.545	65.119	34.744	0.034744
7	5	7	42	148	20	0.2	0.14	151.388	26.716	873.695	814.668	0.814668
7	5	8	15	195	21	0.3	0.14	192.777	29.279	1106.316	1039.047	1.039047
7	5	9	5	184	23	0.3	0.14	178.932	30.661	1006.442	942.712	0.942712
7	5	10	6	182	24	0.4	0.14	179.067	31.422	996.684	933.299	0.933299
7	5	11	12	251	25	0.4	0.14	252.703	35.463	1394.246	1316.774	1.316774
7	5	12	14	273	25	0.5	0.14	277.016	36.132	1526.182	1444.035	1.444035
7	5	13	52	425	26	0.5	0.14	472.855	45.013	2551.355	2432.882	2.432882
7	5	14	63	394	25	0.6	0.14	445.484	42.425	2436.063	2321.675	2.321675
7	5	15	721	179	25	0.6	0.14	751.152	54.564	4014.976	3844.641	3.844641
7	5	16	693	148	24	0.6	0.14	572.742	46.596	3189.579	3048.491	3.048491
7	5	17	638	114	23	0.5	0.14	368.452	37.876	2066.896	1965.59	1.96559
7	5	18	519	77	21	0.4	0.14	162.164	27.433	789.695	733.645	0.733645
7	5	19	252	32	19	0.2	0.14	25.365	20.1	128.25	95.637	0.095637
7	5	20	0	0	17	0.2	0.14	0	17	0	0	0
7	5	21	0	0	16	0.2	0.14	0	16	0	0	0
7	5	22	0	0	15	0.2	0.14	0	15	0	0	0
7	5	23	0	0	15	0.2	0.14	0	15	0	0	0
7	6	0	0	0	14	0.2	0.14	0	14	0	0	0
7	6	1	0	0	13	0.1	0.14	0	13	0	0	0
7	6	2	0	0	13	0.1	0.14	0	13	0	0	0
7	6	3	0	0	12	0.1	0.14	0	12	0	0	0
7	6	4	0	0	12	0.1	0.14	0	12	0	0	0
7	6	5	65	9	13	0.1	0.14	8.729	13.346	30.904	1.741	0.001741
7	6	6	473	54	16	0.2	0.14	83.118	19.336	354.544	313.913	0.313913

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	6	7	676	79	19	0.3	0.14	283.155	30.968	1542.792	1460.056	1.460056
7	6	8	785	95	21	0.3	0.14	507.556	42.919	2885.549	2755.235	2.755235
7	6	9	846	108	22	0.4	0.14	713.862	51.827	3883.492	3717.817	3.717817
7	6	10	860	129	23	0.4	0.14	873.883	59.441	4564.753	4374.938	4.374938
7	6	11	876	138	24	0.4	0.14	983.625	64.971	4986.118	4781.372	4.781372
7	6	12	222	479	25	0.4	0.14	707.82	54.353	3707.089	3547.664	3.547664
7	6	13	342	428	26	0.4	0.14	776.77	58.247	4016.055	3845.682	3.845682
7	6	14	20	312	25	0.4	0.14	318.527	38.198	1754.441	1664.206	1.664206
7	6	15	746	172	25	0.4	0.14	763.958	56.871	4044.307	3872.933	3.872933
7	6	16	220	289	24	0.4	0.14	414.489	41.281	2321.475	2211.148	2.211148
7	6	17	575	133	23	0.3	0.14	361.662	38.508	2025.051	1925.227	1.925227
7	6	18	427	92	21	0.2	0.14	158.662	27.762	795.032	738.793	0.738793
7	6	19	176	34	19	0.1	0.14	26.358	20.18	133.212	100.424	0.100424
7	6	20	0	0	17	0.1	0.14	0	17	0	0	0
7	6	21	0	0	16	0.1	0.14	0	16	0	0	0
7	6	22	0	0	15	0.2	0.14	0	15	0	0	0
7	6	23	0	0	15	0.2	0.14	0	15	0	0	0
7	7	0	0	0	15	0.2	0.14	0	15	0	0	0
7	7	1	0	0	14	0.2	0.14	0	14	0	0	0
7	7	2	0	0	14	0.2	0.14	0	14	0	0	0
7	7	3	0	0	13	0.1	0.14	0	13	0	0	0
7	7	4	0	0	13	0.1	0.14	0	13	0	0	0
7	7	5	55	8	14	0.1	0.14	7.759	14.307	27.175	0	0
7	7	6	438	57	17	0.2	0.14	82.648	20.351	360.375	319.538	0.319538
7	7	7	637	87	20	0.2	0.14	278.248	32.144	1511.719	1430.084	1.430084
7	7	8	741	110	22	0.3	0.14	498.271	43.514	2822.848	2694.755	2.694755
7	7	9	801	128	23	0.3	0.14	703.56	53.297	3800.287	3637.56	3.63756
7	7	10	840	139	25	0.3	0.14	870.775	62.428	4487.267	4300.198	4.300198
7	7	11	863	145	26	0.3	0.14	978.058	67.994	4890.05	4688.708	4.688708
7	7	12	869	149	26	0.3	0.14	1024.678	69.976	5064.704	4857.173	4.857173
7	7	13	764	217	27	0.4	0.14	987.428	68.091	4918.42	4716.073	4.716073
7	7	14	742	209	27	0.4	0.14	898.672	64.427	4569.366	4379.388	4.379388
7	7	15	703	195	26	0.4	0.14	753.79	57.439	3977.193	3808.197	3.808197
7	7	16	642	172	26	0.3	0.14	565.909	50.386	3097.433	2959.61	2.95961
7	7	17	543	141	25	0.3	0.14	354.928	40.221	1973.348	1875.357	1.875357
7	7	18	383	98	22	0.2	0.14	156.34	28.692	791.09	734.991	0.734991
7	7	19	130	33	19	0.2	0.14	27.174	20.177	137.209	104.279	0.104279
7	7	20	0	0	18	0.2	0.14	0	18	0	0	0
7	7	21	0	0	17	0.2	0.14	0	17	0	0	0
7	7	22	0	0	16	0.2	0.14	0	16	0	0	0
7	7	23	0	0	16	0.1	0.14	0	16	0	0	0
7	8	0	0	0	15	0.1	0.14	0	15	0	0	0
7	8	1	0	0	14	0.1	0.14	0	14	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	8	2	0	0	14	0.1	0.14	0	14	0	0	0
7	8	3	0	0	14	0.1	0.14	0	14	0	0	0
7	8	4	0	0	13	0.1	0.14	0	13	0	0	0
7	8	5	0	0	14	0.1	0.14	0	0	0	0	0
7	8	6	279	74	17	0.1	0.14	84.042	20.667	411.454	368.806	0.368806
7	8	7	478	127	20	0.1	0.14	265.647	32.024	1462.675	1382.778	1.382778
7	8	8	603	162	23	0.1	0.14	476.782	44.922	2675.258	2552.395	2.552395
7	8	9	681	187	25	0.2	0.14	677.621	55.089	3622.66	3466.227	3.466227
7	8	10	691	226	26	0.2	0.14	832.641	62.898	4270.356	4090.972	4.090972
7	8	11	724	235	27	0.2	0.14	946.521	68.9	4701.552	4506.89	4.50689
7	8	12	739	235	28	0.1	0.14	994.612	73.459	4826.783	4627.683	4.627683
7	8	13	663	281	28	0.1	0.14	952.714	71.533	4664.046	4470.713	4.470713
7	8	14	641	269	29	0.1	0.14	866.935	68.645	4316.815	4135.786	4.135786
7	8	15	601	248	29	0.1	0.14	726.388	62.266	3743.445	3582.732	3.582732
7	8	16	144	286	28	0.1	0.14	365.75	44.743	2008.249	1909.021	1.909021
7	8	17	420	179	27	0.1	0.14	341.463	42.617	1881.966	1787.213	1.787213
7	8	18	270	115	24	0.1	0.14	151.842	30.792	790.644	734.561	0.734561
7	8	19	79	30	21	0.1	0.14	24.828	22.109	123.307	90.87	0.09087
7	8	20	0	0	19	0.3	0.14	0	19	0	0	0
7	8	21	0	0	19	0.5	0.14	0	19	0	0	0
7	8	22	0	0	19	0.7	0.14	0	19	0	0	0
7	8	23	0	0	19	0.8	0.14	0	19	0	0	0
7	9	0	0	0	19	0.7	0.14	0	19	0	0	0
7	9	1	0	0	19	0.5	0.14	0	19	0	0	0
7	9	2	0	0	19	0.4	0.14	0	19	0	0	0
7	9	3	0	0	19	0.3	0.14	0	19	0	0	0
7	9	4	0	0	18	0.5	0.14	0	18	0	0	0
7	9	5	0	0	18	0.4	0.14	0	0	0	0	0
7	9	6	0	13	19	0.1	0.14	12.279	19.563	65.341	34.958	0.034958
7	9	7	0	122	21	0.1	0.14	114.729	26.268	661.593	610.082	0.610082
7	9	8	126	245	24	0.2	0.14	301.579	37.383	1706.946	1618.394	1.618394
7	9	9	144	334	26	0.2	0.14	430.497	45.05	2356.672	2245.098	2.245098
7	9	10	36	343	27	0.2	0.14	367.273	43.201	1995.004	1896.245	1.896245
7	9	11	699	249	28	0.2	0.14	936.689	69.46	4639.364	4446.905	4.446905
7	9	12	718	248	29	0.2	0.14	986.975	72.669	4806.288	4607.914	4.607914
7	9	13	739	227	29	0.3	0.14	973.62	70.763	4789.906	4592.112	4.592112
7	9	14	220	423	29	0.3	0.14	624.659	55.734	3262.123	3118.465	3.118465
7	9	15	688	199	29	0.3	0.14	746.698	61.103	3875.995	3710.585	3.710585
7	9	16	624	177	28	0.3	0.14	560.341	52.144	3042.747	2906.862	2.906862
7	9	17	513	149	26	0.3	0.14	350.743	41.045	1944.085	1847.13	1.84713
7	9	18	343	105	24	0.2	0.14	155.633	30.691	791.939	735.81	0.73581
7	9	19	101	34	21	0.3	0.14	27.916	22.169	138.857	105.869	0.105869
7	9	20	0	0	20	0.3	0.14	0	20	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	9	21	0	0	19	0.2	0.14	0	19	0	0	0
7	9	22	0	0	19	0.2	0.14	0	19	0	0	0
7	9	23	0	0	19	0.1	0.14	0	19	0	0	0
7	10	0	0	0	19	0.1	0.14	0	19	0	0	0
7	10	1	0	0	18	0.1	0.14	0	18	0	0	0
7	10	2	0	0	18	0.1	0.14	0	18	0	0	0
7	10	3	0	0	17	0.1	0.14	0	17	0	0	0
7	10	4	0	0	17	0.1	0.14	0	17	0	0	0
7	10	5	0	0	18	0.2	0.14	0	0	0	0	0
7	10	6	287	71	20	0.3	0.14	81.299	23.318	389.269	347.407	0.347407
7	10	7	498	116	23	0.3	0.14	260.526	34.052	1415.816	1337.58	1.33758
7	10	8	631	143	26	0.4	0.14	472.058	45.762	2641.934	2520.252	2.520252
7	10	9	716	160	28	0.4	0.14	674.986	56.187	3595.462	3439.993	3.439993
7	10	10	774	167	30	0.4	0.14	841.826	65.092	4283.75	4103.892	4.103892
7	10	11	797	176	31	0.4	0.14	952.655	70.668	4701.829	4507.157	4.507157
7	10	12	806	180	32	0.4	0.14	1001.129	73.668	4861.161	4660.842	4.660842
7	10	13	475	392	32	0.4	0.14	878.666	68.505	4348.538	4166.384	4.166384
7	10	14	303	411	32	0.4	0.14	694.843	60.864	3557.978	3403.836	3.403836
7	10	15	437	297	32	0.4	0.14	645.623	58.89	3364.9	3217.6	3.2176
7	10	16	305	265	31	0.3	0.14	446.647	50.21	2418.927	2305.147	2.305147
7	10	17	57	185	29	0.2	0.14	197.811	37.777	1101.085	1034.001	1.034001
7	10	18	0	68	26	0.1	0.14	64.138	28.947	357.201	316.476	0.316476
7	10	19	66	33	24	0.1	0.14	28.461	25.269	139.037	106.042	0.106042
7	10	20	0	0	23	0.1	0.14	0	23	0	0	0
7	10	21	0	0	22	0.1	0.14	0	22	0	0	0
7	10	22	0	0	22	0.1	0.14	0	22	0	0	0
7	10	23	0	0	22	0.1	0.14	0	22	0	0	0
7	11	0	0	0	22	0.1	0.14	0	22	0	0	0
7	11	1	0	0	21	0.1	0.14	0	21	0	0	0
7	11	2	0	0	21	0.1	0.14	0	21	0	0	0
7	11	3	0	0	21	0.1	0.14	0	21	0	0	0
7	11	4	0	0	21	0.1	0.14	0	21	0	0	0
7	11	5	0	0	21	0.1	0.14	0	0	0	0	0
7	11	6	0	29	21	0.2	0.14	27.432	22.217	149.795	116.419	0.116419
7	11	7	0	28	22	0.3	0.14	26.491	23.141	145.028	111.821	0.111821
7	11	8	0	118	22	0.4	0.14	111.992	26.665	636.099	585.492	0.585492
7	11	9	0	103	22	0.4	0.14	97.905	26.066	548.192	500.699	0.500699
7	11	10	8	204	23	0.4	0.14	202.042	31.376	1130.277	1062.159	1.062159
7	11	11	2	145	24	0.4	0.14	140.509	29.817	776.471	720.89	0.72089
7	11	12	16	300	24	0.5	0.14	305.567	36.28	1687.899	1600.022	1.600022
7	11	13	7	180	25	0.5	0.14	179.394	32.21	990.22	927.065	0.927065
7	11	14	27	340	26	0.4	0.14	359.131	40.882	1963.471	1865.829	1.865829
7	11	15	38	315	25	0.4	0.14	336.977	38.99	1866.175	1771.981	1.771981

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	11	16	191	283	25	0.4	0.14	391.8	41.333	2189.99	2084.322	2.084322
7	11	17	19	165	24	0.4	0.14	163.328	30.815	931.077	870.017	0.870017
7	11	18	21	98	24	0.3	0.14	94.219	28.049	529.69	482.853	0.482853
7	11	19	0	24	23	0.3	0.14	22.712	23.949	109.896	77.934	0.077934
7	11	20	0	0	23	0.3	0.14	0	23	0	0	0
7	11	21	0	0	23	0.2	0.14	0	23	0	0	0
7	11	22	0	0	23	0.2	0.14	0	23	0	0	0
7	11	23	0	0	22	0.2	0.14	0	22	0	0	0
7	12	0	0	0	22	0.2	0.14	0	22	0	0	0
7	12	1	0	0	23	0.2	0.14	0	23	0	0	0
7	12	2	0	0	23	0.2	0.14	0	23	0	0	0
7	12	3	0	0	23	0.2	0.14	0	23	0	0	0
7	12	4	0	0	23	0.2	0.14	0	23	0	0	0
7	12	5	0	0	23	0.3	0.14	0	0	0	0	0
7	12	6	0	38	23	0.3	0.14	35.978	24.546	196.783	161.742	0.161742
7	12	7	0	11	23	0.4	0.14	10.398	23.435	54.233	24.243	0.024243
7	12	8	40	219	24	0.4	0.14	230.049	33.59	1307.436	1233.04	1.23304
7	12	9	4	177	26	0.4	0.14	171.541	33.125	953.776	891.912	0.891912
7	12	10	2	151	27	0.4	0.14	145.81	33.044	799.501	743.104	0.743104
7	12	11	7	182	27	0.5	0.14	181.015	34.277	991.897	928.682	0.928682
7	12	12	23	353	27	0.5	0.14	364.753	41.66	1980.532	1882.286	1.882286
7	12	13	40	401	27	0.5	0.14	437.402	44.586	2359.746	2248.063	2.248063
7	12	14	98	423	26	0.5	0.14	507.407	46.432	2739.262	2614.131	2.614131
7	12	15	273	354	26	0.4	0.14	569.482	49.693	3072.35	2935.417	2.935417
7	12	16	193	283	25	0.4	0.14	393.141	41.389	2197.393	2091.462	2.091462
7	12	17	168	192	24	0.3	0.14	250.161	34.749	1418.135	1339.817	1.339817
7	12	18	0	71	24	0.2	0.14	66.86	26.974	376.355	334.951	0.334951
7	12	19	0	14	23	0.1	0.14	13.23	23.588	62.019	31.754	0.031754
7	12	20	0	0	23	0.1	0.14	0	23	0	0	0
7	12	21	0	0	23	0.1	0.14	0	23	0	0	0
7	12	22	0	0	23	0.2	0.14	0	23	0	0	0
7	12	23	0	0	23	0.1	0.14	0	23	0	0	0
7	13	0	0	0	22	0.1	0.14	0	22	0	0	0
7	13	1	0	0	22	0.1	0.14	0	22	0	0	0
7	13	2	0	0	22	0.1	0.14	0	22	0	0	0
7	13	3	0	0	22	0.1	0.14	0	22	0	0	0
7	13	4	0	0	22	0.1	0.14	0	22	0	0	0
7	13	5	0	0	22	0.1	0.14	0	0	0	0	0
7	13	6	60	67	22	0.2	0.14	63.589	24.787	341.439	301.272	0.301272
7	13	7	0	50	23	0.3	0.14	47.357	25.041	264.237	226.806	0.226806
7	13	8	2	162	24	0.3	0.14	154.768	30.647	875.88	816.776	0.816776
7	13	9	4	182	25	0.3	0.14	176.347	32.551	984.002	921.067	0.921067
7	13	10	10	223	27	0.3	0.14	222.159	36.495	1220.723	1149.4	1.1494

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	13	11	242	420	28	0.2	0.14	663.389	57.286	3439.049	3289.122	3.289122
7	13	12	746	203	29	0.1	0.14	964.66	73.102	4695.801	4501.342	4.501342
7	13	13	43	385	30	0.1	0.14	424.234	49.302	2242.075	2134.562	2.134562
7	13	14	106	425	31	0.1	0.14	516.863	54.553	2696.206	2572.601	2.572601
7	13	15	683	183	30	0.1	0.14	727.92	63.359	3742.25	3581.58	3.58158
7	13	16	496	206	29	0.2	0.14	509.481	51.64	2762.861	2636.894	2.636894
7	13	17	73	187	28	0.1	0.14	206.217	37.45	1150.899	1082.05	1.08205
7	13	18	322	102	27	0.2	0.14	149.165	33.418	750.573	695.909	0.695909
7	13	19	78	32	26	0.5	0.14	26.339	27.032	124.753	92.264	0.092264
7	13	20	0	0	26	0.6	0.14	0	26	0	0	0
7	13	21	0	0	25	0.5	0.14	0	25	0	0	0
7	13	22	0	0	25	0.5	0.14	0	25	0	0	0
7	13	23	0	0	24	0.5	0.14	0	24	0	0	0
7	14	0	0	0	23	0.6	0.14	0	23	0	0	0
7	14	1	0	0	22	0.5	0.14	0	22	0	0	0
7	14	2	0	0	22	0.3	0.14	0	22	0	0	0
7	14	3	0	0	22	0.1	0.14	0	22	0	0	0
7	14	4	0	0	22	0.1	0.14	0	22	0	0	0
7	14	5	0	0	22	0.1	0.14	0	0	0	0	0
7	14	6	205	74	23	0.2	0.14	77.77	26.328	385.756	344.02	0.34402
7	14	7	389	136	24	0.2	0.14	244.716	34.738	1334.897	1259.528	1.259528
7	14	8	515	178	25	0.2	0.14	442.509	44.693	2478.951	2363.044	2.363044
7	14	9	598	206	26	0.3	0.14	636.025	53.365	3421.485	3272.181	3.272181
7	14	10	645	228	27	0.3	0.14	794.716	61.13	4108.324	3934.681	3.934681
7	14	11	679	236	28	0.3	0.14	904.915	66.822	4539.535	4350.614	4.350614
7	14	12	197	480	29	0.3	0.14	685.199	58.288	3525.43	3372.442	3.372442
7	14	13	25	355	30	0.3	0.14	376.227	46.058	2008.33	1909.099	1.909099
7	14	14	0	42	30	0.4	0.14	39.933	31.654	207.029	171.625	0.171625
7	14	15	3	167	29	0.3	0.14	161.663	35.915	882.599	823.257	0.823257
7	14	16	77	273	29	0.2	0.14	310.017	42.733	1705.205	1616.715	1.616715
7	14	17	19	164	28	0.2	0.14	162.438	35.21	908.766	848.497	0.848497
7	14	18	0	13	27	0.1	0.14	12.282	27.564	63.373	33.059	0.033059
7	14	19	0	2	25	0.1	0.14	1.886	25.083	7.748	0	0
7	14	20	0	0	25	0.1	0.14	0	25	0	0	0
7	14	21	0	0	25	0.1	0.14	0	25	0	0	0
7	14	22	0	0	24	0.1	0.14	0	24	0	0	0
7	14	23	0	0	24	0.1	0.14	0	24	0	0	0
7	15	0	0	0	23	0.1	0.14	0	23	0	0	0
7	15	1	0	0	23	0.1	0.14	0	23	0	0	0
7	15	2	0	0	22	0.1	0.14	0	22	0	0	0
7	15	3	0	0	21	0.1	0.14	0	21	0	0	0
7	15	4	0	0	21	0.1	0.14	0	21	0	0	0
7	15	5	0	0	22	0.1	0.14	0	0	0	0	0

Month	Day	Hour	Beam Irradiance (W/m ²)	Diffuse Irradiance (W/m ²)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m ²)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	15	6	395	52	23	0.2	0.14	70.77	25.872	299.634	260.948	0.260948
7	15	7	604	83	25	0.2	0.14	259.634	36.316	1376.613	1299.766	1.299766
7	15	8	716	104	27	0.3	0.14	475.239	47.521	2646.277	2524.441	2.524441
7	15	9	784	118	29	0.3	0.14	678.608	58.229	3590.161	3434.879	3.434879
7	15	10	823	131	30	0.3	0.14	846.721	66.4	4289.226	4109.174	4.109174
7	15	11	856	132	31	0.3	0.14	958.55	72.163	4705.297	4510.501	4.510501
7	15	12	878	129	32	0.3	0.14	1015.136	75.575	4892.266	4690.846	4.690846
7	15	13	873	130	32	0.4	0.14	997.26	73.533	4856.725	4656.564	4.656564
7	15	14	862	123	32	0.4	0.14	914.831	70.132	4545.01	4355.894	4.355894
7	15	15	830	116	31	0.4	0.14	771.153	63.192	3979.434	3810.359	3.810359
7	15	16	775	105	30	0.3	0.14	581.827	55.096	3132.773	2993.698	2.993698
7	15	17	301	175	29	0.2	0.14	288.971	41.802	1593.134	1508.615	1.508615
7	15	18	518	68	28	0.3	0.14	153.207	34.24	714.203	660.828	0.660828
7	15	19	200	29	26	0.6	0.14	22.502	26.852	103.839	72.092	0.072092
7	15	20	0	0	26	0.8	0.14	0	26	0	0	0
7	15	21	0	0	25	0.8	0.14	0	25	0	0	0
7	15	22	0	0	24	0.7	0.14	0	24	0	0	0
7	15	23	0	0	23	0.6	0.14	0	23	0	0	0
7	16	0	0	0	22	0.3	0.14	0	22	0	0	0
7	16	1	0	0	21	0.2	0.14	0	21	0	0	0
7	16	2	0	0	21	0.2	0.14	0	21	0	0	0
7	16	3	0	0	20	0.2	0.14	0	20	0	0	0
7	16	4	0	0	20	0.1	0.14	0	20	0	0	0
7	16	5	0	0	20	0.1	0.14	0	0	0	0	0
7	16	6	425	51	22	0.1	0.14	71.338	24.969	297.718	259.1	0.2591
7	16	7	649	76	26	0.1	0.14	265.638	37.943	1393.912	1316.452	1.316452
7	16	8	765	92	29	0.1	0.14	488.594	51.49	2677.988	2555.028	2.555028
7	16	9	828	103	32	0	0.14	692.195	64.84	3558.612	3404.448	3.404448
7	16	10	862	112	33	0	0.14	856.713	73.568	4201.21	4024.277	4.024277
7	16	11	876	120	34	0.1	0.14	965.678	78.202	4607.865	4416.522	4.416522
7	16	12	878	125	34	0.2	0.14	1011.287	78.794	4800.16	4602.004	4.602004
7	16	13	867	129	35	0.2	0.14	990.575	78.882	4703.487	4508.756	4.508756
7	16	14	847	127	35	0.2	0.14	905.405	75.141	4393.745	4209.989	4.209989
7	16	15	814	120	34	0.2	0.14	765.791	68.002	3865.448	3700.411	3.700411
7	16	16	762	108	34	0.2	0.14	576.983	59.679	3043.738	2907.819	2.907819
7	16	17	673	92	34	0.2	0.14	361.926	50.006	1926.536	1830.203	1.830203
7	16	18	512	68	31	0.3	0.14	151.959	37.19	699.302	646.455	0.646455
7	16	19	194	28	27	0.5	0.14	21.714	27.843	98.378	66.824	0.066824
7	16	20	0	0	25	0.5	0.14	0	25	0	0	0
7	16	21	0	0	24	0.3	0.14	0	24	0	0	0
7	16	22	0	0	23	0.2	0.14	0	23	0	0	0
7	16	23	0	0	22	0.2	0.14	0	22	0	0	0
7	17	0	0	0	22	0.2	0.14	0	22	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	17	1	0	0	21	0.1	0.14	0	21	0	0	0
7	17	2	0	0	20	0.1	0.14	0	20	0	0	0
7	17	3	0	0	20	0.1	0.14	0	20	0	0	0
7	17	4	0	0	19	0.1	0.14	0	19	0	0	0
7	17	5	0	0	20	0.1	0.14	0	0	0	0	0
7	17	6	387	53	23	0.2	0.14	70.243	25.861	300.158	261.454	0.261454
7	17	7	607	84	26	0.2	0.14	260.336	37.343	1373.005	1296.286	1.296286
7	17	8	727	102	29	0.2	0.14	478.572	50.323	2633.495	2512.112	2.512112
7	17	9	799	115	31	0.3	0.14	685.526	60.529	3591.45	3436.123	3.436123
7	17	10	818	137	32	0.3	0.14	848.392	68.471	4256.922	4078.015	4.078015
7	17	11	844	141	33	0.3	0.14	956.141	74.058	4651.391	4458.505	4.458505
7	17	12	854	144	34	0.3	0.14	1006.423	77.197	4812.059	4613.48	4.61348
7	17	13	832	155	34	0.3	0.14	989.521	76.473	4749.36	4553.003	4.553003
7	17	14	814	150	34	0.3	0.14	904.143	72.84	4432.215	4247.096	4.247096
7	17	15	780	141	34	0.2	0.14	760.712	67.77	3841.184	3677.008	3.677008
7	17	16	722	127	33	0.2	0.14	571.653	58.436	3029.429	2894.016	2.894016
7	17	17	627	107	31	0.2	0.14	358.022	46.837	1933.272	1836.7	1.8367
7	17	18	461	78	28	0.1	0.14	152.346	34.66	724.082	670.357	0.670357
7	17	19	157	29	25	0.1	0.14	22.561	25.986	101.996	70.314	0.070314
7	17	20	0	0	23	0.2	0.14	0	23	0	0	0
7	17	21	0	0	22	0.2	0.14	0	22	0	0	0
7	17	22	0	0	22	0.3	0.14	0	22	0	0	0
7	17	23	0	0	22	0.6	0.14	0	22	0	0	0
7	18	0	0	0	22	0.7	0.14	0	22	0	0	0
7	18	1	0	0	22	0.7	0.14	0	22	0	0	0
7	18	2	0	0	21	0.6	0.14	0	21	0	0	0
7	18	3	0	0	20	0.5	0.14	0	20	0	0	0
7	18	4	0	0	20	0.5	0.14	0	20	0	0	0
7	18	5	0	0	22	0.4	0.14	0	0	0	0	0
7	18	6	161	62	23	0.1	0.14	63.888	25.832	317.512	278.194	0.278194
7	18	7	474	117	26	0.1	0.14	250.632	37.324	1338.816	1263.308	1.263308
7	18	8	580	159	29	0.1	0.14	458.191	50.068	2513.538	2396.406	2.396406
7	18	9	606	212	30	0.1	0.14	646.801	59.66	3386.224	3238.169	3.238169
7	18	10	604	265	31	0.2	0.14	795.913	66.26	4016.92	3846.517	3.846517
7	18	11	613	294	31	0.2	0.14	899.895	70.819	4425.719	4240.83	4.24083
7	18	12	41	408	32	0.1	0.14	447.379	52.352	2334.65	2223.856	2.223856
7	18	13	145	469	32	0.1	0.14	619.51	60.216	3154.968	3015.107	3.015107
7	18	14	148	431	33	0.1	0.14	569.058	58.943	2920.865	2789.299	2.789299
7	18	15	97	357	33	0.1	0.14	425.578	52.426	2245.121	2137.5	2.1375
7	18	16	125	280	33	0.1	0.14	349.558	49.002	1882.005	1787.25	1.78725
7	18	17	68	183	32	0.1	0.14	200.626	41.194	1101.038	1033.956	1.033956
7	18	18	256	93	29	0.1	0.14	129.5	34.772	650.168	599.062	0.599062
7	18	19	40	28	27	0.4	0.14	24.382	27.965	107.869	75.979	0.075979

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	18	20	0	0	25	0.6	0.14	0	25	0	0	0
7	18	21	0	0	23	0.5	0.14	0	23	0	0	0
7	18	22	0	0	23	0.2	0.14	0	23	0	0	0
7	18	23	0	0	22	0.1	0.14	0	22	0	0	0
7	19	0	0	0	22	0.1	0.14	0	22	0	0	0
7	19	1	0	0	22	0.1	0.14	0	22	0	0	0
7	19	2	0	0	21	0.1	0.14	0	21	0	0	0
7	19	3	0	0	21	0.1	0.14	0	21	0	0	0
7	19	4	0	0	21	0.1	0.14	0	21	0	0	0
7	19	5	0	0	21	0.1	0.14	0	0	0	0	0
7	19	6	234	68	23	0.2	0.14	73.104	26.106	353.708	313.107	0.313107
7	19	7	454	120	26	0.2	0.14	247.153	36.816	1324.348	1249.353	1.249353
7	19	8	589	152	29	0.2	0.14	455.701	49.288	2508.798	2391.834	2.391834
7	19	9	674	173	31	0.2	0.14	656.137	60.145	3434.146	3284.392	3.284392
7	19	10	619	254	32	0.1	0.14	798.064	68.523	3987.971	3818.594	3.818594
7	19	11	656	264	33	0.1	0.14	911.664	74.678	4407.114	4222.884	4.222884
7	19	12	676	264	34	0.1	0.14	963.376	78.024	4574.12	4383.973	4.383973
7	19	13	589	322	35	0.1	0.14	923.377	77.181	4398.329	4214.411	4.214411
7	19	14	176	430	35	0.1	0.14	593.772	62.077	3009.866	2875.147	2.875147
7	19	15	162	365	35	0.1	0.14	489.786	57.371	2541.805	2423.671	2.423671
7	19	16	276	267	34	0.1	0.14	432.118	53.807	2301.742	2192.114	2.192114
7	19	17	180	187	33	0.2	0.14	250.478	44.105	1364.351	1287.938	1.287938
7	19	18	245	93	31	0.3	0.14	127.452	36.334	636.873	586.238	0.586238
7	19	19	0	23	28	0.3	0.14	21.614	28.877	92.746	61.392	0.061392
7	19	20	0	0	26	0.2	0.14	0	26	0	0	0
7	19	21	0	0	25	0.2	0.14	0	25	0	0	0
7	19	22	0	0	24	0.2	0.14	0	24	0	0	0
7	19	23	0	0	24	0.2	0.14	0	24	0	0	0
7	20	0	0	0	23	0.2	0.14	0	23	0	0	0
7	20	1	0	0	23	0.1	0.14	0	23	0	0	0
7	20	2	0	0	22	0.1	0.14	0	22	0	0	0
7	20	3	0	0	22	0.1	0.14	0	22	0	0	0
7	20	4	0	0	21	0.1	0.14	0	21	0	0	0
7	20	5	0	0	22	0.1	0.14	0	0	0	0	0
7	20	6	0	7	24	0.2	0.14	6.607	24.293	33.026	3.787	0.003787
7	20	7	0	81	27	0.2	0.14	76.668	30.409	427.179	383.975	0.383975
7	20	8	0	38	30	0.2	0.14	36.003	31.596	189.983	155.183	0.155183
7	20	9	98	319	32	0.3	0.14	379.532	48.275	2041.741	1941.326	1.941326
7	20	10	158	401	33	0.3	0.14	537.139	55.996	2799.197	2671.942	2.671942
7	20	11	58	413	33	0.2	0.14	465.902	53.535	2427.548	2313.462	2.313462
7	20	12	9	197	33	0.2	0.14	198.158	41.724	1053.708	988.303	0.988303
7	20	13	20	328	33	0.2	0.14	336.952	47.839	1779.277	1688.162	1.688162
7	20	14	30	344	33	0.2	0.14	366.778	49.17	1937.622	1840.896	1.840896

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	20	15	182	364	31	0.3	0.14	504.595	52.629	2677.468	2554.527	2.554527
7	20	16	119	279	30	0.3	0.14	345.142	44.825	1891.417	1796.328	1.796328
7	20	17	143	188	29	0.2	0.14	236.631	39.494	1313.571	1238.958	1.238958
7	20	18	185	117	27	0.1	0.14	138.27	33.227	726.501	672.69	0.67269
7	20	19	0	24	25	0.2	0.14	22.403	25.93	95.424	63.975	0.063975
7	20	20	0	0	24	0.4	0.14	0	24	0	0	0
7	20	21	0	0	24	0.5	0.14	0	24	0	0	0
7	20	22	0	0	23	0.6	0.14	0	23	0	0	0
7	20	23	0	0	23	0.5	0.14	0	23	0	0	0
7	21	0	0	0	23	0.2	0.14	0	23	0	0	0
7	21	1	0	0	23	0.1	0.14	0	23	0	0	0
7	21	2	0	0	23	0.1	0.14	0	23	0	0	0
7	21	3	0	0	23	0.1	0.14	0	23	0	0	0
7	21	4	0	0	23	0.1	0.14	0	23	0	0	0
7	21	5	0	0	23	0.1	0.14	0	0	0	0	0
7	21	6	0	42	24	0.2	0.14	39.647	25.756	215.476	179.773	0.179773
7	21	7	26	132	27	0.2	0.14	131.546	32.84	737.775	683.564	0.683564
7	21	8	25	210	29	0.1	0.14	212.216	38.72	1176.988	1107.215	1.107215
7	21	9	26	264	30	0.1	0.14	271.054	42.377	1476.038	1395.668	1.395668
7	21	10	23	305	31	0.2	0.14	313.347	44.823	1682.852	1595.154	1.595154
7	21	11	140	452	32	0.3	0.14	592.316	57.322	3057.57	2921.16	2.92116
7	21	12	98	464	32	0.3	0.14	562.357	56.019	2907.915	2776.808	2.776808
7	21	13	286	450	32	0.4	0.14	747.956	63.043	3782.032	3619.952	3.619952
7	21	14	211	427	32	0.4	0.14	623.06	57.869	3224.053	3081.744	3.081744
7	21	15	229	358	31	0.3	0.14	535.523	53.964	2832.268	2703.842	2.703842
7	21	16	12	206	29	0.2	0.14	203.613	38.013	1123.649	1055.766	1.055766
7	21	17	0	7	28	0.1	0.14	6.62	28.304	32.679	3.453	0.003453
7	21	18	0	43	26	0.1	0.14	40.711	27.87	222.851	186.887	0.186887
7	21	19	0	5	25	0.2	0.14	4.717	25.194	17.999	0	0
7	21	20	0	0	25	0.1	0.14	0	25	0	0	0
7	21	21	0	0	24	0.1	0.14	0	24	0	0	0
7	21	22	0	0	24	0.1	0.14	0	24	0	0	0
7	21	23	0	0	23	0.1	0.14	0	23	0	0	0
7	22	0	0	0	23	0.1	0.14	0	23	0	0	0
7	22	1	0	0	23	0.1	0.14	0	23	0	0	0
7	22	2	0	0	23	0.2	0.14	0	23	0	0	0
7	22	3	0	0	22	0.3	0.14	0	22	0	0	0
7	22	4	0	0	22	0.3	0.14	0	22	0	0	0
7	22	5	0	0	22	0.2	0.14	0	22	0	0	0
7	22	6	0	9	21	0.3	0.14	8.497	21.365	43.644	14.029	0.014029
7	22	7	0	56	20	0.5	0.14	53.055	22.154	301.69	262.932	0.262932
7	22	8	125	235	21	0.6	0.14	291.278	32.47	1682.661	1594.97	1.59497
7	22	9	244	316	23	0.7	0.14	488.093	41.655	2728.534	2603.783	2.603783

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	22	10	30	325	25	0.6	0.14	345.18	38.509	1910.318	1814.56	1.81456
7	22	11	0	102	26	0.6	0.14	97.257	29.799	529.428	482.6	0.4826
7	22	12	271	462	26	0.5	0.14	751.103	56.259	3909.76	3743.153	3.743153
7	22	13	290	448	27	0.5	0.14	750.147	57.231	3892.78	3726.775	3.726775
7	22	14	260	417	27	0.5	0.14	664.836	53.812	3508.59	3356.198	3.356198
7	22	15	830	110	26	0.5	0.14	765.562	57.036	4062.252	3890.242	3.890242
7	22	16	0	140	26	0.4	0.14	133.152	31.54	742.448	688.072	0.688072
7	22	17	672	89	25	0.3	0.14	357.283	40.311	1980.699	1882.447	1.882447
7	22	18	506	66	23	0.2	0.14	147.22	29.175	696.178	643.442	0.643442
7	22	19	172	25	21	0.1	0.14	19.479	21.815	78.576	47.724	0.047724
7	22	20	0	0	19	0.1	0.14	0	19	0	0	0
7	22	21	0	0	19	0.1	0.14	0	19	0	0	0
7	22	22	0	0	18	0.1	0.14	0	18	0	0	0
7	22	23	0	0	18	0.1	0.14	0	18	0	0	0
7	23	0	0	0	17	0.1	0.14	0	17	0	0	0
7	23	1	0	0	16	0.1	0.14	0	16	0	0	0
7	23	2	0	0	16	0.2	0.14	0	16	0	0	0
7	23	3	0	0	15	0.2	0.14	0	15	0	0	0
7	23	4	0	0	15	0.1	0.14	0	15	0	0	0
7	23	5	0	0	16	0.1	0.14	0	16	0	0	0
7	23	6	395	49	19	0.2	0.14	64.181	21.598	273.931	236.157	0.236157
7	23	7	625	79	21	0.2	0.14	257.449	32.198	1378.597	1301.68	1.30168
7	23	8	745	98	24	0.2	0.14	481.084	45.436	2703.435	2579.574	2.579574
7	23	9	811	112	26	0.2	0.14	689.315	56.644	3676.483	3518.143	3.518143
7	23	10	850	121	27	0.2	0.14	854.819	64.928	4363.491	4180.807	4.180807
7	23	11	870	127	28	0.2	0.14	967.43	70.875	4779.801	4582.366	4.582366
7	23	12	875	132	28	0.2	0.14	1016.503	73.027	4959.526	4755.723	4.755723
7	23	13	860	138	29	0.2	0.14	994.079	73.039	4853.545	4653.497	4.653497
7	23	14	833	139	29	0.2	0.14	905.703	69.155	4520.196	4331.959	4.331959
7	23	15	796	133	28	0.2	0.14	765.446	61.987	3970.688	3801.923	3.801923
7	23	16	714	130	27	0.2	0.14	569.366	52.337	3100.066	2962.15	2.96215
7	23	17	603	113	26	0.2	0.14	352.976	41.614	1948.147	1851.048	1.851048
7	23	18	444	78	23	0.1	0.14	146.542	29.401	709.694	656.479	0.656479
7	23	19	141	26	21	0.1	0.14	20.345	21.836	78.479	47.63	0.04763
7	23	20	0	0	20	0.2	0.14	0	20	0	0	0
7	23	21	0	0	19	0.4	0.14	0	19	0	0	0
7	23	22	0	0	19	0.5	0.14	0	19	0	0	0
7	23	23	0	0	18	0.6	0.14	0	18	0	0	0
7	24	0	0	0	18	0.6	0.14	0	18	0	0	0
7	24	1	0	0	18	0.7	0.14	0	18	0	0	0
7	24	2	0	0	17	0.6	0.14	0	17	0	0	0
7	24	3	0	0	16	0.5	0.14	0	16	0	0	0
7	24	4	0	0	15	0.3	0.14	0	15	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	24	5	0	0	16	0.2	0.14	0	16	0	0	0
7	24	6	372	51	19	0.1	0.14	64.362	21.714	280.879	242.858	0.242858
7	24	7	601	84	22	0.1	0.14	254.831	33.455	1359.663	1283.416	1.283416
7	24	8	724	105	25	0.2	0.14	476.449	46.227	2666.961	2544.392	2.544392
7	24	9	797	118	27	0.2	0.14	685.393	57.468	3641.734	3484.625	3.484625
7	24	10	842	127	28	0.2	0.14	853.955	65.889	4339.736	4157.894	4.157894
7	24	11	867	132	29	0.2	0.14	969.678	71.974	4766.052	4569.104	4.569104
7	24	12	878	134	30	0.2	0.14	1021.679	75.257	4932.399	4729.557	4.729557
7	24	13	866	139	31	0.2	0.14	1001.152	75.353	4834.804	4635.419	4.635419
7	24	14	850	134	31	0.2	0.14	916.261	71.626	4521.497	4333.214	4.333214
7	24	15	816	126	30	0.2	0.14	773.866	64.365	3973.24	3804.384	3.804384
7	24	16	305	257	30	0.2	0.14	440.22	49.543	2393.357	2280.483	2.280483
7	24	17	312	167	29	0.2	0.14	285.283	41.637	1572.659	1488.865	1.488865
7	24	18	504	69	25	0.3	0.14	148.858	31.056	700.145	647.268	0.647268
7	24	19	176	24	22	0.4	0.14	18.747	22.683	67.454	36.996	0.036996
7	24	20	0	0	20	0.3	0.14	0	20	0	0	0
7	24	21	0	0	20	0.4	0.14	0	20	0	0	0
7	24	22	0	0	19	0.5	0.14	0	19	0	0	0
7	24	23	0	0	19	0.6	0.14	0	19	0	0	0
7	25	0	0	0	19	0.8	0.14	0	19	0	0	0
7	25	1	0	0	19	0.8	0.14	0	19	0	0	0
7	25	2	0	0	20	0.5	0.14	0	20	0	0	0
7	25	3	0	0	20	0.2	0.14	0	20	0	0	0
7	25	4	0	0	19	0.1	0.14	0	19	0	0	0
7	25	5	0	0	19	0	0.14	0	19	0	0	0
7	25	6	373	51	20	0	0.14	64.009	22.79	278.169	240.245	0.240245
7	25	7	602	85	23	0	0.14	255.581	34.87	1355.327	1279.234	1.279234
7	25	8	731	104	26	0.1	0.14	478.622	48.025	2659.15	2536.858	2.536858
7	25	9	802	119	29	0.1	0.14	689.707	60.669	3613.651	3457.537	3.457537
7	25	10	843	129	30	0.1	0.14	856.765	69.264	4287.357	4107.371	4.107371
7	25	11	865	136	31	0.1	0.14	971.869	75.487	4698.222	4503.677	4.503677
7	25	12	873	140	32	0.1	0.14	1022.847	78.797	4854.652	4654.565	4.654565
7	25	13	865	141	32	0.1	0.14	1002.306	77.864	4782.697	4585.159	4.585159
7	25	14	847	137	32	0.2	0.14	916.573	72.639	4501.592	4314.015	4.314015
7	25	15	811	130	32	0.2	0.14	773.963	66.368	3937.561	3769.969	3.769969
7	25	16	751	117	31	0.2	0.14	578.206	56.737	3091.887	2954.261	2.954261
7	25	17	655	99	29	0.2	0.14	359.196	44.884	1953.549	1856.259	1.856259
7	25	18	488	70	25	0.2	0.14	146.653	31.162	691.203	638.643	0.638643
7	25	19	165	23	22	0.2	0.14	17.965	22.688	62.744	32.453	0.032453
7	25	20	0	0	20	0.2	0.14	0	20	0	0	0
7	25	21	0	0	20	0.5	0.14	0	20	0	0	0
7	25	22	0	0	20	0.8	0.14	0	20	0	0	0
7	25	23	0	0	19	0.8	0.14	0	19	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	26	0	0	0	19	0.8	0.14	0	19	0	0	0
7	26	1	0	0	18	0.7	0.14	0	18	0	0	0
7	26	2	0	0	17	0.6	0.14	0	17	0	0	0
7	26	3	0	0	17	0.3	0.14	0	17	0	0	0
7	26	4	0	0	17	0.1	0.14	0	17	0	0	0
7	26	5	0	0	18	0.1	0.14	0	18	0	0	0
7	26	6	355	51	20	0.2	0.14	61.691	22.525	269.785	232.157	0.232157
7	26	7	582	87	23	0.2	0.14	251.305	33.939	1338.382	1262.89	1.26289
7	26	8	702	109	26	0.3	0.14	468.57	46.23	2621.195	2500.247	2.500247
7	26	9	488	238	29	0.4	0.14	586.98	53.492	3150.332	3010.636	3.010636
7	26	10	290	378	30	0.4	0.14	634.171	56.368	3320.983	3175.24	3.17524
7	26	11	442	368	31	0.4	0.14	811.583	64.734	4094.512	3921.359	3.921359
7	26	12	345	433	32	0.4	0.14	796.633	65.074	3996.397	3826.72	3.82672
7	26	13	360	417	33	0.5	0.14	788.529	64.796	3964.97	3796.407	3.796407
7	26	14	257	415	33	0.5	0.14	661.065	59.661	3401.078	3252.496	3.252496
7	26	15	432	293	32	0.5	0.14	640.643	57.915	3356.599	3209.594	3.209594
7	26	16	4	175	31	0.5	0.14	169.13	37.834	927.401	866.471	0.866471
7	26	17	352	158	30	0.4	0.14	292.211	42.166	1606.687	1521.688	1.521688
7	26	18	0	15	27	0.2	0.14	14.173	27.63	73.566	42.891	0.042891
7	26	19	0	2	25	0.2	0.14	1.886	25.072	5.739	0	0
7	26	20	0	0	24	0.2	0.14	0	24	0	0	0
7	26	21	0	0	24	0.2	0.14	0	24	0	0	0
7	26	22	0	0	24	0.2	0.14	0	24	0	0	0
7	26	23	0	0	23	0.2	0.14	0	23	0	0	0
7	27	0	0	0	23	0.2	0.14	0	23	0	0	0
7	27	1	0	0	23	0.2	0.14	0	23	0	0	0
7	27	2	0	0	23	0.2	0.14	0	23	0	0	0
7	27	3	0	0	23	0.2	0.14	0	23	0	0	0
7	27	4	0	0	23	0.3	0.14	0	23	0	0	0
7	27	5	0	0	23	0.3	0.14	0	23	0	0	0
7	27	6	8	53	23	0.4	0.14	49.296	25.046	268.486	230.904	0.230904
7	27	7	118	139	25	0.4	0.14	164.704	31.843	920.305	859.627	0.859627
7	27	8	83	225	27	0.5	0.14	258.064	37.455	1453.581	1374.007	1.374007
7	27	9	0	99	28	0.5	0.14	94.079	31.795	513.682	467.412	0.467412
7	27	10	0	140	29	0.6	0.14	133.572	34.225	726.623	672.808	0.672808
7	27	11	8	192	30	0.6	0.14	191.791	37.495	1039.852	974.938	0.974938
7	27	12	1	140	31	0.6	0.14	134.969	36.27	723.224	669.529	0.669529
7	27	13	59	423	32	0.6	0.14	480.777	50.793	2535.116	2417.219	2.417219
7	27	14	288	406	32	0.6	0.14	680.385	58.672	3519.873	3367.082	3.367082
7	27	15	303	338	31	0.6	0.14	579.629	53.765	3079.654	2942.461	2.942461
7	27	16	161	274	30	0.5	0.14	366.241	44.826	2015.082	1915.611	1.915611
7	27	17	15	154	29	0.4	0.14	151.588	35.328	846.562	788.497	0.788497
7	27	18	163	92	27	0.2	0.14	111.316	31.841	577.766	529.226	0.529226

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	27	19	0	20	25	0.2	0.14	18.7	25.716	64.525	34.171	0.034171
7	27	20	0	0	25	0.2	0.14	0	25	0	0	0
7	27	21	0	0	24	0.2	0.14	0	24	0	0	0
7	27	22	0	0	24	0.2	0.14	0	24	0	0	0
7	27	23	0	0	24	0.2	0.14	0	24	0	0	0
7	28	0	0	0	24	0.3	0.14	0	24	0	0	0
7	28	1	0	0	23	0.2	0.14	0	23	0	0	0
7	28	2	0	0	23	0.2	0.14	0	23	0	0	0
7	28	3	0	0	23	0.2	0.14	0	23	0	0	0
7	28	4	0	0	22	0.2	0.14	0	22	0	0	0
7	28	5	0	0	22	0.2	0.14	0	22	0	0	0
7	28	6	0	28	22	0.3	0.14	26.491	23.135	142.064	108.962	0.108962
7	28	7	0	14	23	0.3	0.14	13.234	23.57	69.938	39.392	0.039392
7	28	8	24	195	24	0.3	0.14	197.554	32.492	1123.206	1055.339	1.055339
7	28	9	91	311	26	0.3	0.14	367.424	41.758	2031.975	1931.906	1.931906
7	28	10	103	387	27	0.4	0.14	470.847	46.549	2547.027	2428.708	2.428708
7	28	11	9	209	28	0.5	0.14	209.289	36.417	1143.862	1075.262	1.075262
7	28	12	17	311	29	0.5	0.14	318.014	41.783	1720.177	1631.157	1.631157
7	28	13	355	418	30	0.5	0.14	785.152	61.66	4004.124	3834.174	3.834174
7	28	14	736	181	30	0.4	0.14	865.831	66.077	4378.539	4195.322	4.195322
7	28	15	661	188	29	0.4	0.14	717.037	58.916	3762.851	3601.45	3.60145
7	28	16	531	196	28	0.3	0.14	520.674	50.436	2845.47	2716.575	2.716575
7	28	17	371	173	27	0.2	0.14	313.481	40.883	1736.896	1647.282	1.647282
7	28	18	185	110	26	0.2	0.14	130.662	31.686	684.917	632.58	0.63258
7	28	19	0	16	24	0.2	0.14	15.14	24.58	51.969	22.06	0.02206
7	28	20	0	0	23	0.2	0.14	0	23	0	0	0
7	28	21	0	0	22	0.2	0.14	0	22	0	0	0
7	28	22	0	0	22	0.2	0.14	0	22	0	0	0
7	28	23	0	0	21	0.1	0.14	0	21	0	0	0
7	29	0	0	0	21	0.1	0.14	0	21	0	0	0
7	29	1	0	0	20	0.1	0.14	0	20	0	0	0
7	29	2	0	0	20	0.1	0.14	0	20	0	0	0
7	29	3	0	0	20	0.1	0.14	0	20	0	0	0
7	29	4	0	0	20	0.2	0.14	0	20	0	0	0
7	29	5	0	0	21	0.2	0.14	0	21	0	0	0
7	29	6	119	64	23	0.1	0.14	61.651	25.758	315.536	276.287	0.276287
7	29	7	0	15	26	0.1	0.14	14.179	26.651	74.05	43.358	0.043358
7	29	8	0	88	28	0.1	0.14	83.515	31.825	459.027	414.694	0.414694
7	29	9	74	303	30	0.1	0.14	347.697	45.891	1885.448	1790.571	1.790571
7	29	10	79	368	31	0.1	0.14	431.257	50.667	2285.83	2176.766	2.176766
7	29	11	45	390	32	0.2	0.14	431.39	51.014	2268.845	2160.383	2.160383
7	29	12	746	204	33	0.2	0.14	974.322	76.134	4678.105	4484.274	4.484274
7	29	13	753	194	33	0.3	0.14	953.586	73.925	4632.32	4440.11	4.44011

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	29	14	735	186	33	0.3	0.14	873.518	70.519	4327.507	4146.098	4.146098
7	29	15	695	174	32	0.3	0.14	729.252	63.371	3754.693	3593.582	3.593582
7	29	16	612	163	31	0.3	0.14	539.054	54.24	2905.13	2774.122	2.774122
7	29	17	497	135	30	0.2	0.14	328.284	44.525	1787.441	1696.037	1.696037
7	29	18	316	90	28	0.2	0.14	133.798	33.727	657.972	606.59	0.60659
7	29	19	37	19	26	0.1	0.14	16.857	26.667	57.548	27.441	0.027441
7	29	20	0	0	24	0.1	0.14	0	24	0	0	0
7	29	21	0	0	24	0.1	0.14	0	24	0	0	0
7	29	22	0	0	24	0.1	0.14	0	24	0	0	0
7	29	23	0	0	23	0.1	0.14	0	23	0	0	0
7	30	0	0	0	23	0.1	0.14	0	23	0	0	0
7	30	1	0	0	22	0.1	0.14	0	22	0	0	0
7	30	2	0	0	22	0.1	0.14	0	22	0	0	0
7	30	3	0	0	22	0.1	0.14	0	22	0	0	0
7	30	4	0	0	21	0.1	0.14	0	21	0	0	0
7	30	5	0	0	22	0.1	0.14	0	22	0	0	0
7	30	6	110	63	24	0.2	0.14	60.198	26.61	307.833	268.857	0.268857
7	30	7	324	139	26	0.2	0.14	223.345	35.802	1209.898	1138.958	1.138958
7	30	8	476	185	29	0.2	0.14	425.798	47.946	2349.346	2238.031	2.238031
7	30	9	572	216	30	0.1	0.14	623.9	58.617	3283.016	3138.617	3.138617
7	30	10	643	229	32	0.1	0.14	794.757	68.388	3980.408	3811.299	3.811299
7	30	11	698	226	33	0.1	0.14	915.587	74.878	4429.73	4244.699	4.244699
7	30	12	323	440	34	0.1	0.14	782.98	69.712	3844.201	3679.918	3.679918
7	30	13	663	258	34	0.1	0.14	935.57	76.768	4475.967	4289.297	4.289297
7	30	14	645	245	35	0.1	0.14	851.738	73.969	4144.621	3969.692	3.969692
7	30	15	604	225	34	0.1	0.14	709.175	66.496	3592.322	3436.964	3.436964
7	30	16	310	251	33	0.1	0.14	437.162	53.051	2342.725	2231.645	2.231645
7	30	17	332	158	32	0.1	0.14	283.356	44.961	1537.689	1455.134	1.455134
7	30	18	299	79	29	0.1	0.14	120.65	34.321	584.646	535.862	0.535862
7	30	19	0	15	27	0.1	0.14	14.194	27.562	47.799	18.037	0.018037
7	30	20	0	0	25	0.1	0.14	0	25	0	0	0
7	30	21	0	0	24	0.1	0.14	0	24	0	0	0
7	30	22	0	0	24	0.1	0.14	0	24	0	0	0
7	30	23	0	0	23	0.1	0.14	0	23	0	0	0
7	31	0	0	0	23	0.1	0.14	0	23	0	0	0
7	31	1	0	0	22	0.1	0.14	0	22	0	0	0
7	31	2	0	0	22	0.1	0.14	0	22	0	0	0
7	31	3	0	0	21	0.1	0.14	0	21	0	0	0
7	31	4	0	0	21	0.1	0.14	0	21	0	0	0
7	31	5	0	0	22	0.1	0.14	0	22	0	0	0
7	31	6	169	59	24	0.2	0.14	58.597	26.51	287.44	249.187	0.249187
7	31	7	392	121	27	0.2	0.14	226.459	36.911	1209.364	1138.444	1.138444
7	31	8	533	161	30	0.2	0.14	431.058	49.188	2369.698	2257.662	2.257662

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
7	31	9	624	187	31	0.2	0.14	633.803	59.156	3332.23	3186.088	3.186088
7	31	10	640	228	33	0.2	0.14	791.317	68.078	3969.191	3800.479	3.800479
7	31	11	333	413	34	0.1	0.14	747.557	68.118	3705.509	3546.141	3.546141
7	31	12	698	235	34	0.1	0.14	958.801	77.833	4563.503	4373.732	4.373732
7	31	13	384	400	35	0.1	0.14	795.926	71.326	3887.735	3721.909	3.721909
7	31	14	21	308	35	0.2	0.14	316.647	48.961	1667.591	1580.434	1.580434
7	31	15	75	338	35	0.2	0.14	390.987	52.281	2060.355	1959.28	1.95928
7	31	16	303	251	34	0.2	0.14	432.866	53.222	2317.415	2207.232	2.207232
7	31	17	383	147	33	0.2	0.14	294.417	46.033	1590.012	1505.603	1.505603
7	31	18	219	84	30	0.1	0.14	112.261	34.999	557.74	509.909	0.509909
7	31	19	135	21	23.2	0.5	0.14	16.616	23.781	57.498	27.392	0.027392
7	31	20	0	0	21.9	0.4	0.14	0	21.9	0	0	0
7	31	21	0	0	21.1	0.2	0.14	0	21.1	0	0	0
7	31	22	0	0	20.7	0.2	0.14	0	20.7	0	0	0
7	31	23	0	0	20.4	0.2	0.14	0	20.4	0	0	0
8	1	0	0	0	20.1	0.1	0.14	0	20.1	0	0	0
8	1	1	0	0	19.9	0.1	0.14	0	19.9	0	0	0
8	1	2	0	0	19.7	0.2	0.14	0	19.7	0	0	0
8	1	3	0	0	19.7	0.2	0.14	0	19.7	0	0	0
8	1	4	0	0	19.6	0.2	0.14	0	19.6	0	0	0
8	1	5	0	0	20.1	0.2	0.14	0	20.1	0	0	0
8	1	6	203	50	21.7	0.2	0.14	51.259	23.867	242.568	205.905	0.205905
8	1	7	544	90	24.1	0.2	0.14	240.962	34.588	1277.666	1204.326	1.204326
8	1	8	681	113	26.5	0.2	0.14	460.2	47	2564.478	2445.54	2.44554
8	1	9	762	128	28.3	0.1	0.14	669.768	59.056	3534.783	3381.463	3.381463
8	1	10	806	140	29.4	0.1	0.14	840.875	67.936	4234.276	4056.171	4.056171
8	1	11	169	397	30.1	0.2	0.14	566.248	55.095	2956.968	2824.123	2.824123
8	1	12	241	393	30.5	0.2	0.14	652.763	59.317	3352.978	3206.101	3.206101
8	1	13	366	397	30.6	0.3	0.14	775.304	63.8	3919.413	3752.464	3.752464
8	1	14	119	387	30.3	0.3	0.14	500.779	51.725	2648.851	2526.924	2.526924
8	1	15	444	221	29.8	0.3	0.14	578.073	54.644	3076.836	2939.743	2.939743
8	1	16	101	236	29.1	0.3	0.14	293.072	41.694	1622.283	1536.731	1.536731
8	1	17	69	117	27.8	0.3	0.14	139.944	33.817	781.489	725.73	0.72573
8	1	18	298	78	27	0.2	0.14	118.753	32.066	579.048	530.462	0.530462
8	1	19	73	19	23.5	0.2	0.14	15.916	24.11	54.881	24.869	0.024869
8	1	20	0	0	22.7	0.2	0.14	0	22.7	0	0	0
8	1	21	0	0	22.3	0.2	0.14	0	22.3	0	0	0
8	1	22	0	0	21.9	0.2	0.14	0	21.9	0	0	0
8	1	23	0	0	21.3	0.2	0.14	0	21.3	0	0	0
8	2	0	0	0	20.8	0.2	0.14	0	20.8	0	0	0
8	2	1	0	0	20.2	0.2	0.14	0	20.2	0	0	0
8	2	2	0	0	19.9	0.2	0.14	0	19.9	0	0	0
8	2	3	0	0	19.5	0.2	0.14	0	19.5	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	2	4	0	0	18.8	0.2	0.14	0	18.8	0	0	0
8	2	5	0	0	18.8	0.2	0.14	0	18.8	0	0	0
8	2	6	309	49	20	0.3	0.14	54.943	22.201	245.982	209.198	0.209198
8	2	7	559	87	22.5	0.3	0.14	241.898	32.697	1290.009	1216.231	1.216231
8	2	8	696	110	25.3	0.4	0.14	464.484	44.754	2614.097	2493.401	2.493401
8	2	9	764	129	27.3	0.4	0.14	672.067	55.391	3604.801	3449.001	3.449001
8	2	10	796	150	28.6	0.4	0.14	842.632	63.748	4323.604	4142.333	4.142333
8	2	11	815	160	29.5	0.3	0.14	955.947	70.554	4729.031	4533.394	4.533394
8	2	12	298	412	30.1	0.3	0.14	729.833	61.335	3722.323	3562.358	3.562358
8	2	13	279	424	30.3	0.3	0.14	717.687	61.015	3665.298	3507.353	3.507353
8	2	14	150	395	30.2	0.3	0.14	537.328	53.195	2830.812	2702.437	2.702437
8	2	15	216	308	29.7	0.3	0.14	476.469	50.142	2561.1	2442.282	2.442282
8	2	16	393	205	28.9	0.3	0.14	445.393	48.085	2447.791	2332.988	2.332988
8	2	17	547	113	27.4	0.3	0.14	326.262	41.381	1795.467	1703.778	1.703778
8	2	18	406	73	26.4	0.2	0.14	130.587	31.903	615.896	566.005	0.566005
8	2	19	115	19	22.4	0.2	0.14	15.05	22.976	52.03	22.119	0.022119
8	2	20	0	0	21.3	0.2	0.14	0	21.3	0	0	0
8	2	21	0	0	20.7	0.2	0.14	0	20.7	0	0	0
8	2	22	0	0	20.1	0.2	0.14	0	20.1	0	0	0
8	2	23	0	0	19.4	0.2	0.14	0	19.4	0	0	0
8	3	0	0	0	18.9	0.2	0.14	0	18.9	0	0	0
8	3	1	0	0	18.5	0.2	0.14	0	18.5	0	0	0
8	3	2	0	0	18.3	0.2	0.14	0	18.3	0	0	0
8	3	3	0	0	18.1	0.2	0.14	0	18.1	0	0	0
8	3	4	0	0	18.1	0.2	0.14	0	18.1	0	0	0
8	3	5	0	0	18.7	0.2	0.14	0	18.7	0	0	0
8	3	6	271	52	20.2	0.2	0.14	55.527	22.522	256.658	219.496	0.219496
8	3	7	537	93	22.8	0.2	0.14	241.2	33.299	1286.432	1212.781	1.212781
8	3	8	674	117	25.7	0.2	0.14	460.204	46.199	2572.867	2453.632	2.453632
8	3	9	771	127	27.6	0.2	0.14	674.822	57.604	3585.652	3430.53	3.43053
8	3	10	742	174	28.9	0.2	0.14	823.716	65.437	4191.242	4014.661	4.014661
8	3	11	804	164	29.7	0.3	0.14	949.652	70.483	4699.555	4504.963	4.504963
8	3	12	603	292	30.1	0.3	0.14	921.876	69.626	4555.083	4365.61	4.36561
8	3	13	657	253	30.2	0.3	0.14	925.121	69.885	4573.798	4383.662	4.383662
8	3	14	851	127	30	0.3	0.14	909.184	69.079	4544.894	4355.782	4.355782
8	3	15	842	108	29.5	0.3	0.14	769.735	62.643	3990.01	3820.56	3.82056
8	3	16	792	96	28.6	0.3	0.14	577.134	53.512	3137.123	2997.894	2.997894
8	3	17	703	81	26.9	0.2	0.14	354.313	42.55	1937.555	1840.832	1.840832
8	3	18	533	58	25.7	0.2	0.14	136.442	31.348	613.019	563.229	0.563229
8	3	19	155	18	21.7	0.3	0.14	17.457	22.349	61.152	30.917	0.030917
8	3	20	0	0	20.9	0.5	0.14	0	20.9	0	0	0
8	3	21	0	0	20.5	0.6	0.14	0	20.5	0	0	0
8	3	22	0	0	20	0.7	0.14	0	20	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	3	23	0	0	19.3	0.7	0.14	0	19.3	0	0	0
8	4	0	0	0	18.5	0.7	0.14	0	18.5	0	0	0
8	4	1	0	0	17.8	0.8	0.14	0	17.8	0	0	0
8	4	2	0	0	17.3	0.8	0.14	0	17.3	0	0	0
8	4	3	0	0	17.1	0.7	0.14	0	17.1	0	0	0
8	4	4	0	0	17.2	0.7	0.14	0	17.2	0	0	0
8	4	5	0	0	17.7	0.5	0.14	0	17.7	0	0	0
8	4	6	274	48	19.3	0.2	0.14	51.907	21.46	237.086	200.617	0.200617
8	4	7	564	83	21.6	0.1	0.14	238.699	32.315	1271.022	1197.916	1.197916
8	4	8	727	99	24.7	0.1	0.14	468.452	46.259	2621.82	2500.85	2.50085
8	4	9	801	112	27.6	0.2	0.14	680.312	57.855	3613.749	3457.631	3.457631
8	4	10	844	121	29.3	0.2	0.14	849.301	66.995	4299.525	4119.107	4.119107
8	4	11	865	127	30.3	0.2	0.14	963.486	73.011	4717.601	4522.37	4.52237
8	4	12	871	129	30.9	0.2	0.14	1010.651	75.679	4874.578	4673.784	4.673784
8	4	13	865	128	31.3	0.2	0.14	989.408	75.146	4788.818	4591.063	4.591063
8	4	14	770	164	31.5	0.2	0.14	878.943	70.468	4361.206	4178.603	4.178603
8	4	15	717	155	31.2	0.2	0.14	725.296	63.406	3738.928	3578.375	3.578375
8	4	16	740	109	30.8	0.2	0.14	558.589	55.675	3004.687	2870.151	2.870151
8	4	17	634	93	29.9	0.2	0.14	338.783	44.868	1833.657	1740.615	1.740615
8	4	18	450	65	29.1	0.2	0.14	129.594	34.516	589.119	540.176	0.540176
8	4	19	11	13	25.8	0.8	0.14	12.608	26.206	42.555	12.979	0.012979
8	4	20	0	0	25.3	0.8	0.14	0	25.3	0	0	0
8	4	21	0	0	25	0.8	0.14	0	25	0	0	0
8	4	22	0	0	24.5	0.7	0.14	0	24.5	0	0	0
8	4	23	0	0	24	0.6	0.14	0	24	0	0	0
8	5	0	0	0	23.6	0.5	0.14	0	23.6	0	0	0
8	5	1	0	0	23.1	0.3	0.14	0	23.1	0	0	0
8	5	2	0	0	22.6	0.2	0.14	0	22.6	0	0	0
8	5	3	0	0	21.9	0.5	0.14	0	21.9	0	0	0
8	5	4	0	0	21.1	0.7	0.14	0	21.1	0	0	0
8	5	5	0	0	20.9	0.5	0.14	0	20.9	0	0	0
8	5	6	310	44	22.2	0.2	0.14	49.658	24.241	215.684	179.973	0.179973
8	5	7	559	81	24.7	0.1	0.14	235.022	35.247	1234.306	1162.502	1.162502
8	5	8	692	104	27.8	0.1	0.14	455.733	48.771	2521.225	2403.82	2.40382
8	5	9	764	122	30	0.1	0.14	664.665	60.527	3487.214	3335.58	3.33558
8	5	10	803	135	31.3	0.1	0.14	833.261	69.493	4168.238	3992.472	3.992472
8	5	11	732	183	32.1	0.1	0.14	900.401	73.304	4397.108	4213.233	4.213233
8	5	12	235	401	32.5	0.2	0.14	656.139	61.466	3338.471	3192.107	3.192107
8	5	13	253	433	32.8	0.3	0.14	702.151	62.846	3554.553	3400.533	3.400533
8	5	14	581	252	32.4	0.3	0.14	800.461	66.761	4027.851	3857.06	3.85706
8	5	15	744	145	31.8	0.3	0.14	733.923	63.389	3786.231	3624.002	3.624002
8	5	16	681	130	31.3	0.2	0.14	544.167	55.526	2924.952	2793.242	2.793242
8	5	17	583	105	30.1	0.2	0.14	330.216	44.693	1788.778	1697.326	1.697326

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	5	18	422	68	29.4	0.2	0.14	126.374	34.696	577.917	529.371	0.529371
8	5	19	53	14	25.7	0.7	0.14	13.578	26.149	46.026	16.328	0.016328
8	5	20	0	0	25	0.8	0.14	0	25	0	0	0
8	5	21	0	0	24.8	0.8	0.14	0	24.8	0	0	0
8	5	22	0	0	24.2	0.8	0.14	0	24.2	0	0	0
8	5	23	0	0	23.1	0.7	0.14	0	23.1	0	0	0
8	6	0	0	0	22	0.5	0.14	0	22	0	0	0
8	6	1	0	0	21	0.3	0.14	0	21	0	0	0
8	6	2	0	0	20.2	0.1	0.14	0	20.2	0	0	0
8	6	3	0	0	19.8	0.1	0.14	0	19.8	0	0	0
8	6	4	0	0	19.5	0.1	0.14	0	19.5	0	0	0
8	6	5	0	0	20.1	0.2	0.14	0	20.1	0	0	0
8	6	6	286	47	21.4	0.2	0.14	50.945	23.514	228.467	192.303	0.192303
8	6	7	528	87	23.1	0.2	0.14	231.948	33.188	1232.423	1160.685	1.160685
8	6	8	217	199	26	0.3	0.14	306.069	39.184	1730.24	1640.863	1.640863
8	6	9	731	135	28.6	0.4	0.14	655.703	56.008	3507.337	3354.99	3.35499
8	6	10	100	260	30	0.5	0.14	347.777	44.029	1892.298	1797.178	1.797178
8	6	11	21	298	31	0.5	0.14	308.376	43.406	1659.976	1573.088	1.573088
8	6	12	337	420	31.5	0.5	0.14	778.289	62.881	3946.627	3778.714	3.778714
8	6	13	76	317	31.6	0.5	0.14	390.371	47.315	2085.139	1983.186	1.983186
8	6	14	92	254	31.2	0.5	0.14	341.103	44.95	1842.811	1749.445	1.749445
8	6	15	93	225	30.3	0.4	0.14	297.665	42.68	1627.817	1542.069	1.542069
8	6	16	83	199	29.1	0.3	0.14	242.306	39.515	1346.446	1270.668	1.270668
8	6	17	357	145	27.7	0.3	0.14	280.077	39.713	1550.404	1467.399	1.467399
8	6	18	229	80	26.8	0.2	0.14	107.959	31.435	536.557	489.477	0.489477
8	6	19	4	11	23.9	0.1	0.14	10.668	24.322	36.044	6.699	0.006699
8	6	20	0	0	23.1	0.1	0.14	0	23.1	0	0	0
8	6	21	0	0	22.7	0.1	0.14	0	22.7	0	0	0
8	6	22	0	0	22.4	0.1	0.14	0	22.4	0	0	0
8	6	23	0	0	22.2	0.2	0.14	0	22.2	0	0	0
8	7	0	0	0	22	0.3	0.14	0	22	0	0	0
8	7	1	0	0	21.9	0.5	0.14	0	21.9	0	0	0
8	7	2	0	0	21.8	0.6	0.14	0	21.8	0	0	0
8	7	3	0	0	21.7	0.5	0.14	0	21.7	0	0	0
8	7	4	0	0	21.8	0.4	0.14	0	21.8	0	0	0
8	7	5	0	0	21.9	0.2	0.14	0	21.9	0	0	0
8	7	6	103	53	22.1	0.2	0.14	50.407	24.279	255.909	218.773	0.218773
8	7	7	253	134	23.4	0.2	0.14	197.795	32.092	1088.669	1022.026	1.022026
8	7	8	409	186	25.5	0.2	0.14	392.59	42.967	2207.33	2101.047	2.101047
8	7	9	670	170	27.3	0.3	0.14	648.862	55.248	3477.198	3325.919	3.325919
8	7	10	786	153	28.7	0.3	0.14	837.367	64.709	4279.78	4100.063	4.100063
8	7	11	844	142	29.7	0.3	0.14	958.751	70.888	4740.71	4544.66	4.54466
8	7	12	870	134	30.2	0.4	0.14	1014.725	72.471	4969.15	4765.005	4.765005

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	7	13	170	403	30.4	0.4	0.14	580.77	54.498	3040.088	2904.298	2.904298
8	7	14	660	218	30.3	0.4	0.14	837.57	65.194	4251.347	4072.637	4.072637
8	7	15	672	169	29.9	0.4	0.14	703.622	59.271	3693.279	3534.344	3.534344
8	7	16	560	159	29.1	0.3	0.14	499.999	50.663	2736.357	2611.329	2.611329
8	7	17	544	99	27.6	0.3	0.14	307.878	40.783	1690.888	1602.905	1.602905
8	7	18	515	54	26.5	0.2	0.14	126.221	31.696	555.802	508.039	0.508039
8	7	19	119	15	22.6	0.4	0.14	14.548	23.124	50.282	20.432	0.020432
8	7	20	0	0	21.9	0.6	0.14	0	21.9	0	0	0
8	7	21	0	0	21.7	0.7	0.14	0	21.7	0	0	0
8	7	22	0	0	21.9	0.8	0.14	0	21.9	0	0	0
8	7	23	0	0	22	0.9	0.14	0	22	0	0	0
8	8	0	0	0	21.3	0.8	0.14	0	21.3	0	0	0
8	8	1	0	0	20.4	0.7	0.14	0	20.4	0	0	0
8	8	2	0	0	19.7	0.4	0.14	0	19.7	0	0	0
8	8	3	0	0	19.3	0.2	0.14	0	19.3	0	0	0
8	8	4	0	0	18.9	0.1	0.14	0	18.9	0	0	0
8	8	5	0	0	19.6	0.2	0.14	0	19.6	0	0	0
8	8	6	353	40	21.5	0.2	0.14	47.554	23.429	199.567	164.428	0.164428
8	8	7	613	69	24.3	0.3	0.14	237.16	34.261	1240.003	1167.997	1.167997
8	8	8	737	88	26.9	0.4	0.14	461.709	46.243	2585.023	2465.358	2.465358
8	8	9	793	108	28.4	0.4	0.14	670.195	56.425	3584.226	3429.155	3.429155
8	8	10	632	211	29.5	0.5	0.14	768.435	60.603	3991.255	3821.761	3.821761
8	8	11	656	233	30.4	0.5	0.14	884.199	66.144	4457.354	4271.344	4.271344
8	8	12	857	133	31	0.5	0.14	1000.648	71.474	4924.533	4721.969	4.721969
8	8	13	776	174	31.3	0.5	0.14	955.99	69.959	4737.353	4541.422	4.541422
8	8	14	697	191	31.3	0.5	0.14	843.05	65.412	4279.202	4099.505	4.099505
8	8	15	669	169	30.9	0.5	0.14	700.847	59.306	3678.552	3520.139	3.520139
8	8	16	633	141	30.1	0.4	0.14	524.709	52.06	2861.029	2731.583	2.731583
8	8	17	22	89	28.5	0.3	0.14	93.474	32.523	517.767	471.352	0.471352
8	8	18	0	36	27.5	0.2	0.14	34.072	29.013	182.914	148.365	0.148365
8	8	19	0	5	24.3	0.2	0.14	4.849	24.486	15.672	0	0
8	8	20	0	0	23.6	0.2	0.14	0	23.6	0	0	0
8	8	21	0	0	22.9	0.2	0.14	0	22.9	0	0	0
8	8	22	0	0	22.2	0.2	0.14	0	22.2	0	0	0
8	8	23	0	0	21.6	0.2	0.14	0	21.6	0	0	0
8	9	0	0	0	21.2	0.1	0.14	0	21.2	0	0	0
8	9	1	0	0	21.1	0.1	0.14	0	21.1	0	0	0
8	9	2	0	0	20.9	0.1	0.14	0	20.9	0	0	0
8	9	3	0	0	20.5	0.1	0.14	0	20.5	0	0	0
8	9	4	0	0	20.2	0.1	0.14	0	20.2	0	0	0
8	9	5	0	0	20.5	0.2	0.14	0	20.5	0	0	0
8	9	6	272	44	21.7	0.2	0.14	46.965	23.649	209.753	174.252	0.174252
8	9	7	525	83	23.4	0.2	0.14	226.377	33.238	1198.354	1127.824	1.127824

Month	Day	Hour	Beam Irradiance (W/m ²)	Diffuse Irradiance (W/m ²)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m ²)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	9	8	683	104	25.3	0.2	0.14	450.433	45.368	2527.921	2410.279	2.410279
8	9	9	760	121	27.1	0.2	0.14	660.538	56.476	3529.821	3376.678	3.376678
8	9	10	809	132	28.5	0.3	0.14	835.34	64.431	4278.574	4098.9	4.0989
8	9	11	850	132	29.6	0.3	0.14	954.351	70.604	4727.569	4531.984	4.531984
8	9	12	872	127	30.3	0.4	0.14	1009.438	72.354	4948.132	4744.732	4.744732
8	9	13	877	122	30.5	0.4	0.14	994.183	71.928	4888.153	4686.878	4.686878
8	9	14	867	115	30.4	0.4	0.14	909.175	68.321	4565.534	4375.691	4.375691
8	9	15	842	104	29.9	0.4	0.14	761.826	61.729	3969.176	3800.464	3.800464
8	9	16	794	91	29	0.4	0.14	567.996	52.792	3100.606	2962.671	2.962671
8	9	17	701	76	27.3	0.3	0.14	343.209	41.977	1872.913	1778.481	1.778481
8	9	18	516	53	26.1	0.2	0.14	123.392	31.164	539.351	492.172	0.492172
8	9	19	104	12	21.6	0.2	0.14	11.638	22.046	39.981	10.496	0.010496
8	9	20	0	0	20.4	0.2	0.14	0	20.4	0	0	0
8	9	21	0	0	19.8	0.2	0.14	0	19.8	0	0	0
8	9	22	0	0	19.4	0.1	0.14	0	19.4	0	0	0
8	9	23	0	0	18.9	0.3	0.14	0	18.9	0	0	0
8	10	0	0	0	18.1	0.4	0.14	0	18.1	0	0	0
8	10	1	0	0	17.5	0.3	0.14	0	17.5	0	0	0
8	10	2	0	0	17.1	0.2	0.14	0	17.1	0	0	0
8	10	3	0	0	16.5	0.1	0.14	0	16.5	0	0	0
8	10	4	0	0	15.9	0.2	0.14	0	15.9	0	0	0
8	10	5	0	0	16.5	0.2	0.14	0	16.5	0	0	0
8	10	6	396	36	18.4	0.2	0.14	44.68	20.179	181.013	146.531	0.146531
8	10	7	657	62	21.3	0.2	0.14	242.594	31.796	1275.44	1202.178	1.202178
8	10	8	748	84	24.4	0.2	0.14	462.63	45.018	2604.447	2484.093	2.484093
8	10	9	371	257	26.5	0.2	0.14	520.029	49.578	2832.425	2703.993	2.703993
8	10	10	241	366	27.5	0.3	0.14	583.91	52.531	3107.871	2969.679	2.969679
8	10	11	124	419	28.3	0.3	0.14	548.237	51.747	2900.601	2769.753	2.769753
8	10	12	502	346	28.9	0.4	0.14	876.29	65.332	4411.05	4226.681	4.226681
8	10	13	911	103	29.1	0.4	0.14	1007.56	71.093	4975.334	4770.97	4.77097
8	10	14	893	102	28.9	0.4	0.14	918.66	67.222	4638.418	4445.993	4.445993
8	10	15	859	97	28.5	0.4	0.14	766.887	60.545	4018.409	3847.953	3.847953
8	10	16	802	87	27.6	0.3	0.14	567.533	52.109	3108.456	2970.243	2.970243
8	10	17	706	73	25.9	0.3	0.14	340.886	40.474	1869.882	1775.557	1.775557
8	10	18	521	51	24.8	0.2	0.14	121.122	29.754	527.442	480.685	0.480685
8	10	19	106	12	20	0.2	0.14	11.638	20.446	40.315	10.818	0.010818
8	10	20	0	0	18.9	0.2	0.14	0	18.9	0	0	0
8	10	21	0	0	18.4	0.2	0.14	0	18.4	0	0	0
8	10	22	0	0	17.9	0.2	0.14	0	17.9	0	0	0
8	10	23	0	0	17.4	0.2	0.14	0	17.4	0	0	0
8	11	0	0	0	17.1	0.2	0.14	0	17.1	0	0	0
8	11	1	0	0	17.2	0.2	0.14	0	17.2	0	0	0
8	11	2	0	0	17.2	0.2	0.14	0	17.2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	11	3	0	0	17.1	0.2	0.14	0	17.1	0	0	0
8	11	4	0	0	16.5	0.2	0.14	0	16.5	0	0	0
8	11	5	0	0	16.9	0.2	0.14	0	16.9	0	0	0
8	11	6	353	37	18.9	0.2	0.14	43.806	20.668	183.173	148.614	0.148614
8	11	7	617	67	21.8	0.3	0.14	235.248	31.672	1239.722	1167.726	1.167726
8	11	8	740	85	24.8	0.3	0.14	459.432	44.643	2590.101	2470.256	2.470256
8	11	9	802	102	27	0.3	0.14	669.925	55.883	3593.592	3438.189	3.438189
8	11	10	818	125	28.6	0.2	0.14	835.681	65.695	4257.865	4078.923	4.078923
8	11	11	738	189	29.7	0.2	0.14	917.177	70.34	4542.453	4353.428	4.353428
8	11	12	698	220	30.5	0.2	0.14	944.635	72.325	4621.705	4429.871	4.429871
8	11	13	367	396	31	0.2	0.14	777.04	65.343	3904.754	3738.325	3.738325
8	11	14	525	286	30.9	0.2	0.14	781.535	65.511	3952.863	3784.73	3.78473
8	11	15	434	273	31.2	0.1	0.14	620.934	59.641	3235.759	3093.036	3.093036
8	11	16	307	219	31	0.1	0.14	401.461	49.428	2187.671	2082.085	2.082085
8	11	17	362	127	28.8	0.2	0.14	262.069	40.389	1439.271	1360.204	1.360204
8	11	18	328	64	27.2	0.2	0.14	104.693	31.6	485.528	440.256	0.440256
8	11	19	51	10	24.7	0.6	0.14	9.698	25.03	32.475	3.257	0.003257
8	11	20	0	0	23.5	0.6	0.14	0	23.5	0	0	0
8	11	21	0	0	22.8	0.5	0.14	0	22.8	0	0	0
8	11	22	0	0	22.2	0.5	0.14	0	22.2	0	0	0
8	11	23	0	0	21.8	0.5	0.14	0	21.8	0	0	0
8	12	0	0	0	21.4	0.4	0.14	0	21.4	0	0	0
8	12	1	0	0	21	0.3	0.14	0	21	0	0	0
8	12	2	0	0	20.6	0.2	0.14	0	20.6	0	0	0
8	12	3	0	0	20.1	0.1	0.14	0	20.1	0	0	0
8	12	4	0	0	19.6	0.1	0.14	0	19.6	0	0	0
8	12	5	0	0	19.7	0.2	0.14	0	19.7	0	0	0
8	12	6	242	40	21	0.2	0.14	41.712	22.734	186.934	152.242	0.152242
8	12	7	56	104	23.2	0.2	0.14	113.92	28.244	641.454	590.657	0.590657
8	12	8	29	185	26.1	0.2	0.14	193.293	34.679	1090.78	1024.061	1.024061
8	12	9	31	247	28.6	0.3	0.14	263.608	39.904	1454.084	1374.492	1.374492
8	12	10	49	336	29.9	0.3	0.14	375.576	45.972	2024.957	1925.137	1.925137
8	12	11	98	402	30.6	0.3	0.14	497.174	51.86	2623.168	2502.151	2.502151
8	12	12	28	314	31.1	0.4	0.14	341.574	45.25	1828.324	1735.471	1.735471
8	12	13	51	376	31.2	0.4	0.14	427.23	48.907	2268.553	2160.101	2.160101
8	12	14	77	374	30.7	0.5	0.14	443.215	48.559	2370.032	2257.984	2.257984
8	12	15	21	255	29.7	0.4	0.14	261.744	40.575	1432.657	1353.824	1.353824
8	12	16	0	88	28.8	0.4	0.14	83.53	32.279	456.656	412.407	0.412407
8	12	17	56	133	27.6	0.3	0.14	148.1	33.971	829.963	772.486	0.772486
8	12	18	344	65	26.8	0.2	0.14	107.069	31.291	494.758	449.159	0.449159
8	12	19	16	6	23.8	0.2	0.14	5.819	24.023	19.05	0	0
8	12	20	0	0	23.3	0.2	0.14	0	23.3	0	0	0
8	12	21	0	0	23.1	0.2	0.14	0	23.1	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	12	22	0	0	23.2	0.2	0.14	0	23.2	0	0	0
8	12	23	0	0	22.9	0.2	0.14	0	22.9	0	0	0
8	13	0	0	0	22.4	0.2	0.14	0	22.4	0	0	0
8	13	1	0	0	22.2	0.2	0.14	0	22.2	0	0	0
8	13	2	0	0	22.4	0.2	0.14	0	22.4	0	0	0
8	13	3	0	0	22.6	0.2	0.14	0	22.6	0	0	0
8	13	4	0	0	22.6	0.2	0.14	0	22.6	0	0	0
8	13	5	0	0	22.7	0.2	0.14	0	22.7	0	0	0
8	13	6	64	30	23.4	0.2	0.14	28.389	24.623	138.117	105.155	0.105155
8	13	7	37	69	24.3	0.3	0.14	75.816	27.554	420.795	377.817	0.377817
8	13	8	0	47	25.5	0.3	0.14	44.531	27.415	243.088	206.406	0.206406
8	13	9	1	135	26.8	0.3	0.14	129.367	32.345	716.107	662.665	0.662665
8	13	10	38	293	28.3	0.4	0.14	322.524	41.688	1763.092	1672.551	1.672551
8	13	11	99	418	29.6	0.4	0.14	515.017	50.964	2729.656	2604.865	2.604865
8	13	12	329	397	30.1	0.4	0.14	747.983	61.17	3825.26	3661.648	3.661648
8	13	13	81	414	30	0.4	0.14	496.36	50.579	2628.615	2507.405	2.507405
8	13	14	362	351	29.8	0.4	0.14	693.006	58.627	3601.603	3445.916	3.445916
8	13	15	154	321	29.8	0.4	0.14	442.048	48.195	2391.133	2278.337	2.278337
8	13	16	426	176	29.7	0.4	0.14	432.123	47.773	2385.035	2272.456	2.272456
8	13	17	606	90	28.7	0.3	0.14	316.465	42.231	1719.887	1630.877	1.630877
8	13	18	389	61	28	0.3	0.14	108.62	32.378	487.458	442.117	0.442117
8	13	19	27	8	25.8	0.2	0.14	7.759	26.097	25.513	0	0
8	13	20	0	0	24.8	0.3	0.14	0	24.8	0	0	0
8	13	21	0	0	23.7	0.2	0.14	0	23.7	0	0	0
8	13	22	0	0	22.7	0.2	0.14	0	22.7	0	0	0
8	13	23	0	0	22.1	0.2	0.14	0	22.1	0	0	0
8	14	0	0	0	21.6	0.2	0.14	0	21.6	0	0	0
8	14	1	0	0	21.2	0.2	0.14	0	21.2	0	0	0
8	14	2	0	0	20.8	0.1	0.14	0	20.8	0	0	0
8	14	3	0	0	20.3	0.1	0.14	0	20.3	0	0	0
8	14	4	0	0	19.7	0.1	0.14	0	19.7	0	0	0
8	14	5	0	0	20.1	0.1	0.14	0	20.1	0	0	0
8	14	6	255	41	21.8	0.1	0.14	42.56	23.625	189.333	154.556	0.154556
8	14	7	506	86	24.5	0.1	0.14	222.889	34.506	1173.129	1103.493	1.103493
8	14	8	45	170	27.4	0.1	0.14	186.734	35.963	1047.998	982.796	0.982796
8	14	9	165	290	29.3	0.2	0.14	405.511	47.271	2207.767	2101.469	2.101469
8	14	10	476	267	30.6	0.2	0.14	690.845	61.214	3569.162	3414.625	3.414625
8	14	11	385	363	31.5	0.2	0.14	749.177	64.632	3784.944	3622.76	3.62276
8	14	12	351	406	32.1	0.2	0.14	779.591	66.548	3893.102	3727.086	3.727086
8	14	13	342	400	32.2	0.2	0.14	757.049	65.658	3798.013	3635.366	3.635366
8	14	14	471	311	32.1	0.2	0.14	757.812	65.654	3827.271	3663.588	3.663588
8	14	15	369	283	31.8	0.2	0.14	574.159	57.257	3018.843	2883.805	2.883805
8	14	16	603	156	30.9	0.2	0.14	517.308	53.932	2798.474	2671.245	2.671245

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	14	17	495	121	29.4	0.2	0.14	303.175	42.789	1647.563	1561.116	1.561116
8	14	18	73	53	28.5	0.2	0.14	59.409	31.086	301.515	262.763	0.262763
8	14	19	23	7	26.4	0.6	0.14	6.789	26.631	22.091	0	0
8	14	20	0	0	26.2	0.6	0.14	0	26.2	0	0	0
8	14	21	0	0	26	0.5	0.14	0	26	0	0	0
8	14	22	0	0	25.5	0.5	0.14	0	25.5	0	0	0
8	14	23	0	0	24.6	0.5	0.14	0	24.6	0	0	0
8	15	0	0	0	23.5	0.7	0.14	0	23.5	0	0	0
8	15	1	0	0	22.5	0.7	0.14	0	22.5	0	0	0
8	15	2	0	0	21.8	0.6	0.14	0	21.8	0	0	0
8	15	3	0	0	21.2	0.5	0.14	0	21.2	0	0	0
8	15	4	0	0	20.6	0.3	0.14	0	20.6	0	0	0
8	15	5	0	0	21	0.2	0.14	0	21	0	0	0
8	15	6	270	38	22.6	0.2	0.14	40.206	24.256	173.97	139.738	0.139738
8	15	7	556	75	24.9	0.2	0.14	225.405	34.673	1176.542	1106.785	1.106785
8	15	8	694	99	27	0.3	0.14	449.814	46.425	2514.503	2397.336	2.397336
8	15	9	761	121	28.4	0.3	0.14	660.808	56.888	3527.928	3374.852	3.374852
8	15	10	777	147	29.3	0.3	0.14	823.696	64.732	4214.119	4036.728	4.036728
8	15	11	298	300	30	0.4	0.14	600.528	54.966	3160.656	3020.593	3.020593
8	15	12	447	330	30.3	0.4	0.14	805.59	63.793	4085.157	3912.336	3.912336
8	15	13	477	323	30.3	0.4	0.14	818.28	64.332	4144.427	3969.505	3.969505
8	15	14	486	266	30.1	0.4	0.14	724.998	60.29	3755.298	3594.164	3.594164
8	15	15	147	289	29.8	0.3	0.14	404.161	47.14	2192.991	2087.216	2.087216
8	15	16	265	214	29.3	0.3	0.14	370.745	45.268	2052.733	1951.929	1.951929
8	15	17	495	118	27.8	0.2	0.14	299.318	41.016	1636.873	1550.804	1.550804
8	15	18	307	71	26.7	0.2	0.14	105.434	31.147	495.509	449.884	0.449884
8	15	19	22	7	22.7	0.2	0.14	6.789	22.96	22.547	0	0
8	15	20	0	0	21.8	0.3	0.14	0	21.8	0	0	0
8	15	21	0	0	21.3	0.5	0.14	0	21.3	0	0	0
8	15	22	0	0	21	0.6	0.14	0	21	0	0	0
8	15	23	0	0	20.6	0.6	0.14	0	20.6	0	0	0
8	16	0	0	0	20.2	0.6	0.14	0	20.2	0	0	0
8	16	1	0	0	19.8	0.5	0.14	0	19.8	0	0	0
8	16	2	0	0	19.9	0.6	0.14	0	19.9	0	0	0
8	16	3	0	0	20	0.7	0.14	0	20	0	0	0
8	16	4	0	0	19.5	0.7	0.14	0	19.5	0	0	0
8	16	5	0	0	19.5	0.5	0.14	0	19.5	0	0	0
8	16	6	210	42	21.2	0.2	0.14	41.649	22.945	190.897	156.064	0.156064
8	16	7	492	86	24.1	0.1	0.14	218.702	33.918	1153.301	1084.367	1.084367
8	16	8	645	113	26.9	0.2	0.14	439.612	46.485	2453.928	2338.907	2.338907
8	16	9	735	129	28.5	0.2	0.14	651.928	57.498	3469.867	3318.848	3.318848
8	16	10	710	168	29.2	0.2	0.14	791.191	64.308	4052.392	3880.732	3.880732
8	16	11	803	146	29.9	0.2	0.14	930.376	71.147	4598.988	4407.96	4.40796

Month	Day	Hour	Beam Irradiance (W/m ²)	Diffuse Irradiance (W/m ²)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m ²)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	16	12	622	255	31.2	0.2	0.14	904.968	71.26	4448.116	4262.434	4.262434
8	16	13	370	370	31.8	0.2	0.14	753.228	65.101	3793.182	3630.706	3.630706
8	16	14	763	155	31.5	0.2	0.14	858.447	69.578	4285.228	4105.318	4.105318
8	16	15	272	268	30.7	0.2	0.14	484.31	52.166	2592.956	2473.01	2.47301
8	16	16	408	189	29.7	0.2	0.14	432.949	48.961	2377.424	2265.115	2.265115
8	16	17	486	107	28.6	0.2	0.14	284.33	41.149	1549.191	1466.229	1.466229
8	16	18	346	57	28	0.2	0.14	96.72	32.019	431.59	388.229	0.388229
8	16	19	29	5	25.3	0.7	0.14	4.849	25.46	15.584	0	0
8	16	20	0	0	24	0.7	0.14	0	24	0	0	0
8	16	21	0	0	22.9	0.5	0.14	0	22.9	0	0	0
8	16	22	0	0	22.2	0.4	0.14	0	22.2	0	0	0
8	16	23	0	0	21.9	0.4	0.14	0	21.9	0	0	0
8	17	0	0	0	21.6	0.4	0.14	0	21.6	0	0	0
8	17	1	0	0	21.3	0.4	0.14	0	21.3	0	0	0
8	17	2	0	0	21.1	0.5	0.14	0	21.1	0	0	0
8	17	3	0	0	21	0.5	0.14	0	21	0	0	0
8	17	4	0	0	20.8	0.5	0.14	0	20.8	0	0	0
8	17	5	0	0	21	0.3	0.14	0	21	0	0	0
8	17	6	16	35	22	0.1	0.14	32.52	23.46	165.494	131.562	0.131562
8	17	7	117	115	22.8	0.2	0.14	141.736	29.055	792.239	736.099	0.736099
8	17	8	116	205	24.2	0.3	0.14	259.725	35.383	1482.081	1401.497	1.401497
8	17	9	295	273	26	0.3	0.14	484.537	46.835	2664.407	2541.928	2.541928
8	17	10	758	146	27.5	0.4	0.14	806.479	61.154	4193.688	4017.021	4.017021
8	17	11	332	388	29.1	0.4	0.14	725.416	59.252	3749.84	3588.9	3.5889
8	17	12	82	366	30.3	0.3	0.14	449.909	49.531	2389.205	2276.478	2.276478
8	17	13	22	218	30.9	0.3	0.14	237.537	41.048	1281.495	1208.019	1.208019
8	17	14	82	369	31	0.3	0.14	443.288	49.969	2358.523	2246.883	2.246883
8	17	15	266	313	30.6	0.2	0.14	525.648	53.892	2794.825	2667.725	2.667725
8	17	16	358	212	29.5	0.2	0.14	421.85	48.261	2319.201	2208.955	2.208955
8	17	17	239	137	27.7	0.2	0.14	221.31	37.493	1226.385	1154.862	1.154862
8	17	18	338	58	26.7	0.1	0.14	95.79	30.815	430.653	387.326	0.387326
8	17	19	14	4	24.6	0.2	0.13	0	24.6	0	0	0
8	17	20	0	0	24.1	0.2	0.13	0	24.1	0	0	0
8	17	21	0	0	23.7	0.2	0.13	0	23.7	0	0	0
8	17	22	0	0	23.5	0.2	0.13	0	23.5	0	0	0
8	17	23	0	0	23.4	0.2	0.13	0	23.4	0	0	0
8	18	0	0	0	23.2	0.2	0.13	0	23.2	0	0	0
8	18	1	0	0	22.9	0.2	0.13	0	22.9	0	0	0
8	18	2	0	0	22.7	0.2	0.13	0	22.7	0	0	0
8	18	3	0	0	22.5	0.1	0.13	0	22.5	0	0	0
8	18	4	0	0	22.4	0.1	0.13	0	22.4	0	0	0
8	18	5	0	0	22.5	0.1	0.13	0	22.5	0	0	0
8	18	6	162	38	23.5	0.2	0.13	36.472	25.034	166.435	132.47	0.13247

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	18	7	254	106	25.3	0.2	0.13	170.902	32.79	923.694	862.896	0.862896
8	18	8	486	146	28	0.3	0.13	391.256	44.884	2188.573	2082.955	2.082955
8	18	9	344	265	30.2	0.3	0.13	510.392	52.155	2749.876	2624.369	2.624369
8	18	10	518	263	31.7	0.3	0.13	722.874	62.756	3714.328	3554.647	3.554647
8	18	11	399	362	32.8	0.3	0.13	770.134	65.814	3872.846	3707.548	3.707548
8	18	12	264	433	33.5	0.3	0.13	721.818	64.397	3633.182	3476.376	3.476376
8	18	13	359	379	33.8	0.4	0.13	751.773	65.047	3786.766	3624.518	3.624518
8	18	14	396	329	33.7	0.4	0.13	707.772	63.156	3611.452	3455.416	3.455416
8	18	15	698	159	33	0.4	0.13	705.783	62.482	3661.233	3503.433	3.503433
8	18	16	596	150	31.7	0.3	0.13	503.368	53.427	2731.019	2606.18	2.60618
8	18	17	460	121	29.5	0.2	0.13	286.637	42.153	1556.406	1473.188	1.473188
8	18	18	169	64	28.1	0.2	0.13	79.943	31.522	388.213	346.389	0.346389
8	18	19	5	3	25.8	0.3	0.14	0	25.8	0	0	0
8	18	20	0	0	25.2	0.2	0.14	0	25.2	0	0	0
8	18	21	0	0	24.6	0.2	0.14	0	24.6	0	0	0
8	18	22	0	0	23.6	0.1	0.14	0	23.6	0	0	0
8	18	23	0	0	22.9	0.2	0.14	0	22.9	0	0	0
8	19	0	0	0	22.5	0.1	0.14	0	22.5	0	0	0
8	19	1	0	0	22.2	0.1	0.14	0	22.2	0	0	0
8	19	2	0	0	21.9	0.1	0.14	0	21.9	0	0	0
8	19	3	0	0	21.6	0.1	0.14	0	21.6	0	0	0
8	19	4	0	0	21.2	0.1	0.14	0	21.2	0	0	0
8	19	5	0	0	21.4	0.1	0.14	0	21.4	0	0	0
8	19	6	165	39	22.9	0.2	0.14	37.331	24.468	170.321	136.218	0.136218
8	19	7	437	92	25.6	0.2	0.14	207.744	34.642	1095.269	1028.391	1.028391
8	19	8	585	129	28.6	0.2	0.14	425.68	47.561	2361.883	2250.124	2.250124
8	19	9	667	155	30.8	0.2	0.14	631.669	58.89	3337.697	3191.361	3.191361
8	19	10	720	170	32.3	0.2	0.14	801.87	67.886	4042.287	3870.984	3.870984
8	19	11	755	176	33.5	0.2	0.14	915.59	74.085	4462.138	4275.959	4.275959
8	19	12	614	257	34.3	0.2	0.14	898.889	74.094	4361.222	4178.618	4.178618
8	19	13	614	246	34.8	0.2	0.14	874.553	73.527	4259.452	4080.455	4.080455
8	19	14	799	136	34.9	0.2	0.14	868.731	73.447	4263.566	4084.423	4.084423
8	19	15	750	131	34.7	0.2	0.14	713.655	66.42	3641.512	3484.411	3.484411
8	19	16	360	192	33.9	0.2	0.14	401.839	51.776	2175.682	2070.521	2.070521
8	19	17	514	101	32.2	0.2	0.14	287.224	44.865	1535.333	1452.862	1.452862
8	19	18	325	58	31	0.2	0.14	92.497	34.847	407.483	364.976	0.364976
8	19	19	4	2	27.7	0.3	0.13	0	27.7	0	0	0
8	19	20	0	0	26.7	0.2	0.13	0	26.7	0	0	0
8	19	21	0	0	26	0.2	0.13	0	26	0	0	0
8	19	22	0	0	25.5	0.2	0.13	0	25.5	0	0	0
8	19	23	0	0	25.2	0.2	0.13	0	25.2	0	0	0
8	20	0	0	0	24.9	0.2	0.13	0	24.9	0	0	0
8	20	1	0	0	24.6	0.2	0.13	0	24.6	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	20	2	0	0	24.3	0.2	0.13	0	24.3	0	0	0
8	20	3	0	0	23.9	0.2	0.13	0	23.9	0	0	0
8	20	4	0	0	23.7	0.1	0.13	0	23.7	0	0	0
8	20	5	0	0	23.9	0.1	0.13	0	23.9	0	0	0
8	20	6	56	28	25.5	0.1	0.13	26.863	26.685	125.667	93.146	0.093146
8	20	7	394	91	28.1	0.2	0.13	195.144	36.601	1021.021	956.775	0.956775
8	20	8	540	120	30.7	0.2	0.13	394.306	48.264	2177.469	2072.244	2.072244
8	20	9	429	231	32.4	0.2	0.13	540.934	56.426	2870.553	2740.77	2.74077
8	20	10	570	231	33.4	0.2	0.13	737.016	66.085	3736.31	3575.85	3.57585
8	20	11	44	259	34	0.3	0.13	299.468	46.805	1593.019	1508.504	1.508504
8	20	12	63	349	34.2	0.3	0.13	413.637	51.879	2169.122	2064.194	2.064194
8	20	13	16	186	34.1	0.3	0.13	199.446	42.622	1061.813	996.12	0.99612
8	20	14	144	281	33.6	0.4	0.13	416.251	50.901	2212.368	2105.907	2.105907
8	20	15	0	44	32.6	0.3	0.13	41.733	34.387	216.507	180.767	0.180767
8	20	16	0	28	31.2	0.3	0.13	26.51	32.339	137.229	104.298	0.104298
8	20	17	15	77	29.4	0.2	0.13	79.107	32.915	435.026	391.544	0.391544
8	20	18	31	56	28.3	0.1	0.13	55.987	30.839	292.761	254.319	0.254319
8	20	19	5	2	25.2	0.1	0.13	0	25.2	0	0	0
8	20	20	0	0	24.2	0.2	0.13	0	24.2	0	0	0
8	20	21	0	0	23.5	0.2	0.13	0	23.5	0	0	0
8	20	22	0	0	23.1	0.2	0.13	0	23.1	0	0	0
8	20	23	0	0	23	0.3	0.13	0	23	0	0	0
8	21	0	0	0	22.9	0.3	0.13	0	22.9	0	0	0
8	21	1	0	0	22.8	0.3	0.13	0	22.8	0	0	0
8	21	2	0	0	22.8	0.3	0.13	0	22.8	0	0	0
8	21	3	0	0	22.7	0.3	0.13	0	22.7	0	0	0
8	21	4	0	0	22.6	0.3	0.13	0	22.6	0	0	0
8	21	5	0	0	22.6	0.3	0.13	0	22.6	0	0	0
8	21	6	249	35	23	0.3	0.13	35.753	24.417	150.7	117.292	0.117292
8	21	7	549	72	23.9	0.4	0.13	219.149	32.824	1147.412	1078.686	1.078686
8	21	8	704	93	25.4	0.3	0.13	447.584	44.733	2521.614	2404.196	2.404196
8	21	9	25	234	27.4	0.4	0.13	242.723	37.5	1350.548	1274.625	1.274625
8	21	10	244	341	29.3	0.4	0.13	563.601	52.75	3001.456	2867.035	2.867035
8	21	11	185	414	30.7	0.4	0.13	604.112	55.787	3155.764	3015.874	3.015874
8	21	12	294	418	31.8	0.4	0.13	736.549	62.395	3746.043	3585.238	3.585238
8	21	13	366	382	32.4	0.4	0.13	761.78	64.067	3856.261	3691.55	3.69155
8	21	14	798	141	32.5	0.3	0.13	871.177	69.966	4346.896	4164.8	4.1648
8	21	15	765	127	32.1	0.3	0.13	718.435	63.053	3725.204	3565.137	3.565137
8	21	16	656	123	31.3	0.3	0.13	507.085	53.201	2760.632	2634.744	2.634744
8	21	17	530	98	29.6	0.2	0.13	287.479	42.267	1550.233	1467.234	1.467234
8	21	18	299	59	28.5	0.2	0.13	88.709	32.199	398.001	355.83	0.35583
8	21	19	4	2	26.6	0.5	0.13	0	26.6	0	0	0
8	21	20	0	0	26.3	0.5	0.13	0	26.3	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	21	21	0	0	25	0.5	0.13	0	25	0	0	0
8	21	22	0	0	24	0.2	0.13	0	24	0	0	0
8	21	23	0	0	23.8	0.1	0.13	0	23.8	0	0	0
8	22	0	0	0	23.7	0.1	0.13	0	23.7	0	0	0
8	22	1	0	0	23.6	0.1	0.13	0	23.6	0	0	0
8	22	2	0	0	23.6	0.2	0.13	0	23.6	0	0	0
8	22	3	0	0	23.4	0.2	0.13	0	23.4	0	0	0
8	22	4	0	0	23.1	0.2	0.13	0	23.1	0	0	0
8	22	5	0	0	22.9	0.1	0.13	0	22.9	0	0	0
8	22	6	9	31	23.1	0.2	0.13	28.639	24.33	138.516	105.539	0.105539
8	22	7	17	50	24.3	0.2	0.13	52.309	26.62	288.226	249.945	0.249945
8	22	8	11	135	26	0.3	0.13	134.11	31.77	756.261	701.396	0.701396
8	22	9	35	221	27.7	0.2	0.13	241.426	38.389	1339.344	1263.818	1.263818
8	22	10	10	188	29.2	0.2	0.13	188.9	37.54	1031.742	967.116	0.967116
8	22	11	10	217	30	0.3	0.13	218.583	39.34	1185.072	1115.012	1.115012
8	22	12	83	406	30.2	0.4	0.13	493.571	50.668	2614.356	2493.651	2.493651
8	22	13	4	149	29.7	0.4	0.13	146.552	35.772	793.198	737.024	0.737024
8	22	14	68	326	28.5	0.4	0.13	386.701	44.556	2100.418	1997.924	1.997924
8	22	15	146	309	27.3	0.4	0.13	423.713	44.941	2326.093	2215.603	2.215603
8	22	16	10	149	26.4	0.3	0.13	147.957	32.759	830.449	772.955	0.772955
8	22	17	143	131	25.5	0.3	0.13	177.675	33.127	998.458	935.011	0.935011
8	22	18	55	46	25	0.2	0.13	49.349	27.146	252.145	215.143	0.215143
8	22	19	2	1	23.7	0.2	0.13	0	23.7	0	0	0
8	22	20	0	0	23.2	0.2	0.13	0	23.2	0	0	0
8	22	21	0	0	22.8	0.2	0.13	0	22.8	0	0	0
8	22	22	0	0	22.3	0.2	0.13	0	22.3	0	0	0
8	22	23	0	0	21.8	0.2	0.13	0	21.8	0	0	0
8	23	0	0	0	21.2	0.3	0.13	0	21.2	0	0	0
8	23	1	0	0	20.5	0.3	0.13	0	20.5	0	0	0
8	23	2	0	0	19.9	0.3	0.13	0	19.9	0	0	0
8	23	3	0	0	19.3	0.4	0.13	0	19.3	0	0	0
8	23	4	0	0	18.7	0.3	0.13	0	18.7	0	0	0
8	23	5	0	0	18.3	0.3	0.13	0	18.3	0	0	0
8	23	6	0	4	18.3	0.4	0.13	3.772	18.452	16.8	0	0
8	23	7	0	40	19	0.4	0.13	37.849	20.583	213.71	178.069	0.178069
8	23	8	92	185	20.5	0.4	0.13	225.415	29.917	1310.449	1235.947	1.235947
8	23	9	69	266	22.3	0.4	0.13	310.67	35.237	1763.217	1672.671	1.672671
8	23	10	131	359	23.5	0.4	0.13	479.121	43.417	2638.846	2517.273	2.517273
8	23	11	127	404	24.1	0.4	0.13	539.002	46.474	2921.479	2789.891	2.789891
8	23	12	203	435	24.3	0.4	0.13	654.186	51.458	3480.652	3329.251	3.329251
8	23	13	239	420	24.3	0.4	0.13	668.337	52.061	3554.322	3400.31	3.40031
8	23	14	30	295	24.1	0.4	0.13	320.979	37.42	1784.252	1692.961	1.692961
8	23	15	99	308	23.7	0.4	0.13	380.836	39.549	2129.907	2026.368	2.026368

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	23	16	187	226	23	0.4	0.13	331.577	36.853	1895.75	1800.508	1.800508
8	23	17	58	104	21.9	0.3	0.13	119.947	27.057	685.237	632.888	0.632888
8	23	18	331	48	21.2	0.2	0.13	80.289	24.49	353.069	312.49	0.31249
8	23	19	0	0	18.1	0.2	0.14	0	18.1	0	0	0
8	23	20	0	0	17.4	0.2	0.14	0	17.4	0	0	0
8	23	21	0	0	16.9	0.2	0.14	0	16.9	0	0	0
8	23	22	0	0	16.4	0.2	0.14	0	16.4	0	0	0
8	23	23	0	0	15.9	0.2	0.14	0	15.9	0	0	0
8	24	0	0	0	15.2	0.2	0.14	0	15.2	0	0	0
8	24	1	0	0	14.6	0.2	0.14	0	14.6	0	0	0
8	24	2	0	0	14.1	0.2	0.14	0	14.1	0	0	0
8	24	3	0	0	13.7	0.2	0.14	0	13.7	0	0	0
8	24	4	0	0	13.3	0.2	0.14	0	13.3	0	0	0
8	24	5	0	0	13.3	0.2	0.14	0	13.3	0	0	0
8	24	6	298	31	14.7	0.3	0.14	33.822	16.002	137.112	104.185	0.104185
8	24	7	632	63	17.8	0.4	0.14	231.576	27.2	1230.45	1158.783	1.158783
8	24	8	781	81	20.9	0.5	0.14	472.826	40.14	2720.224	2595.768	2.595768
8	24	9	863	90	23	0.5	0.14	695.357	51.258	3816.074	3652.787	3.652787
8	24	10	908	96	24.4	0.5	0.14	875.63	59.908	4590.284	4399.564	4.399564
8	24	11	920	107	25.5	0.5	0.14	992.469	65.693	5038.243	4831.65	4.83165
8	24	12	860	145	26.4	0.5	0.14	1011.758	67.342	5082.034	4873.889	4.873889
8	24	13	687	236	26.9	0.5	0.14	933.422	64.647	4740.514	4544.471	4.544471
8	24	14	569	257	27.1	0.5	0.14	786.219	58.911	4108.581	3934.929	3.934929
8	24	15	791	124	26.7	0.5	0.14	731.273	56.382	3908.766	3742.195	3.742195
8	24	16	805	85	25.9	0.4	0.14	547.498	48.858	3050.232	2914.083	2.914083
8	24	17	686	71	24	0.3	0.14	310.215	37.209	1695.287	1607.148	1.607148
8	24	18	446	44	22.7	0.2	0.14	88.374	26.235	363.625	322.672	0.322672
8	24	19	0	0	19	0.2	0.14	0	19	0	0	0
8	24	20	0	0	18.6	0.2	0.14	0	18.6	0	0	0
8	24	21	0	0	18	0.2	0.14	0	18	0	0	0
8	24	22	0	0	17.4	0.2	0.14	0	17.4	0	0	0
8	24	23	0	0	16.7	0.2	0.14	0	16.7	0	0	0
8	25	0	0	0	16.1	0.2	0.14	0	16.1	0	0	0
8	25	1	0	0	15.8	0.2	0.14	0	15.8	0	0	0
8	25	2	0	0	15.4	0.2	0.14	0	15.4	0	0	0
8	25	3	0	0	15	0.2	0.14	0	15	0	0	0
8	25	4	0	0	14.5	0.2	0.14	0	14.5	0	0	0
8	25	5	0	0	14.3	0.2	0.14	0	14.3	0	0	0
8	25	6	7	24	15.4	0.3	0.14	22.576	16.324	106.13	74.301	0.074301
8	25	7	191	102	18	0.4	0.14	150.387	24.208	844.094	786.116	0.786116
8	25	8	638	107	21.4	0.4	0.14	429.15	39.379	2468.504	2352.967	2.352967
8	25	9	697	145	24.3	0.5	0.14	641.98	50.371	3525.729	3372.731	3.372731
8	25	10	783	150	26.3	0.5	0.14	831.16	59.987	4348.876	4166.71	4.16671

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	25	11	520	310	27.7	0.5	0.14	833.023	61.367	4288.083	4108.072	4.108072
8	25	12	565	306	28.7	0.4	0.14	897.926	66.066	4518.825	4330.637	4.330637
8	25	13	619	269	29.4	0.4	0.14	900.615	66.899	4524.367	4335.982	4.335982
8	25	14	772	162	29.6	0.4	0.14	866.324	65.742	4407.255	4223.02	4.22302
8	25	15	788	122	29.4	0.4	0.14	725.565	59.734	3822.678	3659.157	3.659157
8	25	16	457	175	28.5	0.4	0.14	440.279	46.932	2448.377	2333.554	2.333554
8	25	17	487	97	26.5	0.3	0.14	264.94	37.802	1446.952	1367.612	1.367612
8	25	18	236	49	25	0.2	0.14	69.727	27.904	314.291	275.087	0.275087
8	25	19	0	0	22.5	0.2	0.14	0	22.5	0	0	0
8	25	20	0	0	22.1	0.2	0.14	0	22.1	0	0	0
8	25	21	0	0	21.1	0.2	0.14	0	21.1	0	0	0
8	25	22	0	0	20.3	0.2	0.14	0	20.3	0	0	0
8	25	23	0	0	19.8	0.2	0.14	0	19.8	0	0	0
8	26	0	0	0	19.4	0.2	0.14	0	19.4	0	0	0
8	26	1	0	0	19.2	0.2	0.14	0	19.2	0	0	0
8	26	2	0	0	19	0.2	0.14	0	19	0	0	0
8	26	3	0	0	19	0.2	0.14	0	19	0	0	0
8	26	4	0	0	18.9	0.3	0.14	0	18.9	0	0	0
8	26	5	0	0	18.9	0.3	0.14	0	18.9	0	0	0
8	26	6	0	11	19.2	0.4	0.14	10.391	19.61	45.271	15.599	0.015599
8	26	7	0	50	19.5	0.4	0.14	47.359	21.48	268.968	231.369	0.231369
8	26	8	0	45	19.7	0.4	0.14	42.626	21.479	239.147	202.605	0.202605
8	26	9	0	78	20.2	0.5	0.14	74.038	23.19	417.301	374.446	0.374446
8	26	10	0	104	20.9	0.5	0.14	98.979	24.888	555.739	507.979	0.507979
8	26	11	2	126	21.7	0.6	0.14	122.26	26.481	684.5	632.177	0.632177
8	26	12	2	125	22.3	0.6	0.14	121.467	27.048	676.946	624.891	0.624891
8	26	13	3	146	22.7	0.5	0.14	142.715	28.442	796.659	740.362	0.740362
8	26	14	2	128	23.1	0.5	0.14	123.966	28.093	691.839	639.256	0.639256
8	26	15	1	87	23	0.5	0.14	83.372	26.365	464.473	419.947	0.419947
8	26	16	0	47	22.5	0.5	0.14	44.537	24.303	246.176	209.385	0.209385
8	26	17	0	26	22.1	0.5	0.14	24.592	23.098	134.418	101.587	0.101587
8	26	18	0	6	21.9	0.5	0.14	5.662	22.128	27.977	0	0
8	26	19	0	0	20.9	0.4	0.14	0	20.9	0	0	0
8	26	20	0	0	20.6	0.4	0.14	0	20.6	0	0	0
8	26	21	0	0	20.3	0.3	0.14	0	20.3	0	0	0
8	26	22	0	0	20	0.3	0.14	0	20	0	0	0
8	26	23	0	0	19.9	0.3	0.14	0	19.9	0	0	0
8	27	0	0	0	19.9	0.3	0.14	0	19.9	0	0	0
8	27	1	0	0	19.8	0.3	0.14	0	19.8	0	0	0
8	27	2	0	0	19.7	0.3	0.14	0	19.7	0	0	0
8	27	3	0	0	19.7	0.3	0.14	0	19.7	0	0	0
8	27	4	0	0	19.8	0.3	0.14	0	19.8	0	0	0
8	27	5	0	0	20	0.3	0.14	0	20	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	27	6	126	31	20.7	0.4	0.14	29.301	21.807	118.189	85.933	0.085933
8	27	7	110	29	22.2	0.5	0.14	58.65	24.534	308.36	269.366	0.269366
8	27	8	3	88	24.3	0.5	0.14	85.014	27.746	478.713	433.683	0.433683
8	27	9	44	239	25.9	0.6	0.14	266.638	36.375	1498.55	1417.383	1.417383
8	27	10	4	123	26.4	0.6	0.14	120.697	31.127	665.82	614.159	0.614159
8	27	11	2	126	26.4	0.6	0.14	122.26	31.181	670.951	619.108	0.619108
8	27	12	7	185	26.6	0.5	0.14	184.883	34.038	1017.562	953.438	0.953438
8	27	13	55	363	26.8	0.5	0.14	420.131	43.719	2285.774	2176.712	2.176712
8	27	14	133	317	27	0.4	0.14	444.126	45.46	2420.38	2306.548	2.306548
8	27	15	0	79	27.4	0.4	0.14	75.01	30.518	408.35	365.813	0.365813
8	27	16	23	111	27.1	0.3	0.14	120.383	32.278	673.643	621.705	0.621705
8	27	17	152	122	25.9	0.2	0.14	170.506	33.445	951.858	890.061	0.890061
8	27	18	48	48	25.1	0.2	0.14	49.526	27.253	252.502	215.487	0.215487
8	27	19	0	0	22.4	0.1	0.14	0	22.4	0	0	0
8	27	20	0	0	21.6	0.2	0.14	0	21.6	0	0	0
8	27	21	0	0	20.8	0.2	0.14	0	20.8	0	0	0
8	27	22	0	0	20.1	0.2	0.14	0	20.1	0	0	0
8	27	23	0	0	19.6	0.2	0.14	0	19.6	0	0	0
8	28	0	0	0	19.3	0.2	0.14	0	19.3	0	0	0
8	28	1	0	0	19	0.2	0.14	0	19	0	0	0
8	28	2	0	0	18.5	0.2	0.14	0	18.5	0	0	0
8	28	3	0	0	18	0.2	0.14	0	18	0	0	0
8	28	4	0	0	17.4	0.2	0.14	0	17.4	0	0	0
8	28	5	0	0	17	0.1	0.14	0	17	0	0	0
8	28	6	297	28	17.8	0.2	0.14	30.165	18.934	105.877	74.058	0.074058
8	28	7	642	57	19.7	0.2	0.14	227.234	29.494	1188.386	1118.209	1.118209
8	28	8	791	74	22.5	0.3	0.14	469.568	42.79	2673.171	2550.382	2.550382
8	28	9	866	86	25	0.4	0.14	692.253	53.981	3758.195	3596.959	3.596959
8	28	10	908	94	26.1	0.5	0.14	872.269	61.478	4544.305	4355.214	4.355214
8	28	11	933	98	26.7	0.5	0.14	993.364	66.938	5018.576	4812.68	4.81268
8	28	12	938	100	27	0.5	0.14	1039.107	69.071	5185.436	4973.627	4.973627
8	28	13	930	101	27.1	0.6	0.14	1011.47	66.905	5104.751	4895.801	4.895801
8	28	14	906	99	26.9	0.5	0.14	909.34	63.764	4679.06	4485.194	4.485194
8	28	15	863	93	26.4	0.5	0.14	742.717	56.566	3976.224	3807.263	3.807263
8	28	16	756	92	25.5	0.4	0.14	520.366	47.324	2917.703	2786.249	2.786249
8	28	17	670	67	23.6	0.3	0.14	293.595	36.078	1598.641	1513.927	1.513927
8	28	18	405	41	22.3	0.2	0.14	76.447	25.34	309.112	270.091	0.270091
8	28	19	0	0	18.3	0.2	0.14	0	18.3	0	0	0
8	28	20	0	0	17.5	0.2	0.14	0	17.5	0	0	0
8	28	21	0	0	16.8	0.2	0.14	0	16.8	0	0	0
8	28	22	0	0	16.3	0.2	0.14	0	16.3	0	0	0
8	28	23	0	0	15.7	0.2	0.14	0	15.7	0	0	0
8	29	0	0	0	15.2	0.2	0.14	0	15.2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	29	1	0	0	14.8	0.2	0.14	0	14.8	0	0	0
8	29	2	0	0	14.4	0.2	0.14	0	14.4	0	0	0
8	29	3	0	0	13.9	0.2	0.14	0	13.9	0	0	0
8	29	4	0	0	13.5	0.2	0.14	0	13.5	0	0	0
8	29	5	0	0	13.7	0.1	0.14	0	13.7	0	0	0
8	29	6	271	27	15.7	0.2	0.14	28.535	16.751	96.833	65.334	0.065334
8	29	7	630	57	19.3	0.2	0.14	223.882	28.95	1172.867	1103.24	1.10324
8	29	8	784	73	22.8	0.3	0.14	464.865	42.887	2645.032	2523.24	2.52324
8	29	9	860	85	25.1	0.3	0.14	686.79	54.741	3716.93	3557.157	3.557157
8	29	10	897	94	26.5	0.4	0.14	862.615	62.535	4473.917	4287.321	4.287321
8	29	11	915	99	27.5	0.4	0.14	976.851	68.255	4907.356	4705.401	4.705401
8	29	12	913	104	28.3	0.4	0.14	1017.901	70.745	5042.551	4835.806	4.835806
8	29	13	699	205	28.8	0.4	0.14	909.524	66.698	4585.023	4394.49	4.39449
8	29	14	831	123	29.1	0.3	0.14	872.748	66.655	4430.586	4245.524	4.245524
8	29	15	818	101	28.9	0.3	0.14	719.52	59.925	3794.438	3631.918	3.631918
8	29	16	710	97	28.2	0.3	0.14	498.733	49.761	2765.101	2639.054	2.639054
8	29	17	617	70	26.2	0.2	0.14	277.389	38.364	1493.276	1412.295	1.412295
8	29	18	218	42	24.8	0.2	0.14	58.766	27.228	257.503	220.311	0.220311
8	29	19	0	0	22	0.2	0.14	0	22	0	0	0
8	29	20	0	0	22.1	0.2	0.14	0	22.1	0	0	0
8	29	21	0	0	21.6	0.2	0.14	0	21.6	0	0	0
8	29	22	0	0	20.9	0.2	0.14	0	20.9	0	0	0
8	29	23	0	0	20.3	0.2	0.14	0	20.3	0	0	0
8	30	0	0	0	20.2	0.2	0.14	0	20.2	0	0	0
8	30	1	0	0	20.5	0.2	0.14	0	20.5	0	0	0
8	30	2	0	0	20.7	0.2	0.14	0	20.7	0	0	0
8	30	3	0	0	20.7	0.2	0.14	0	20.7	0	0	0
8	30	4	0	0	20.4	0.2	0.14	0	20.4	0	0	0
8	30	5	0	0	20.3	0.2	0.14	0	20.3	0	0	0
8	30	6	42	25	20.9	0.2	0.14	23.101	21.782	81.611	50.652	0.050652
8	30	7	166	99	22.4	0.3	0.14	141.179	28.411	778.572	722.916	0.722916
8	30	8	511	134	24.5	0.3	0.14	391.367	41.396	2225.034	2118.124	2.118124
8	30	9	693	136	26.8	0.3	0.14	629.464	53.948	3407.764	3258.946	3.258946
8	30	10	752	148	28.8	0.3	0.14	801.937	63.315	4137.677	3962.994	3.962994
8	30	11	785	154	30	0.3	0.14	918.551	69.485	4583.707	4393.22	4.39322
8	30	12	382	347	30.5	0.3	0.14	759.028	63.037	3864.844	3699.829	3.699829
8	30	13	374	339	30.4	0.3	0.14	723.171	61.409	3712.664	3553.041	3.553041
8	30	14	168	338	30.3	0.3	0.14	496.996	51.604	2648.312	2526.404	2.526404
8	30	15	4	90	30	0.2	0.14	88.42	33.911	478.476	433.454	0.433454
8	30	16	15	87	29.5	0.1	0.14	92.335	33.734	507.732	461.673	0.461673
8	30	17	10	93	27.6	0.1	0.14	91.707	31.811	511.285	465.1	0.4651
8	30	18	0	19	25.9	0.1	0.14	17.963	26.715	90.757	59.473	0.059473
8	30	19	0	0	23.1	0.2	0.14	0	23.1	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
8	30	20	0	0	21.9	0.2	0.14	0	21.9	0	0	0
8	30	21	0	0	20.9	0.2	0.14	0	20.9	0	0	0
8	30	22	0	0	20.1	0.2	0.14	0	20.1	0	0	0
8	30	23	0	0	19.7	0.2	0.14	0	19.7	0	0	0
8	31	0	0	0	19.3	0.2	0.14	0	19.3	0	0	0
8	31	1	0	0	19.1	0.2	0.14	0	19.1	0	0	0
8	31	2	0	0	18.9	0.2	0.14	0	18.9	0	0	0
8	31	3	0	0	18.7	0.2	0.14	0	18.7	0	0	0
8	31	4	0	0	18.4	0.2	0.14	0	18.4	0	0	0
8	31	5	0	0	18.2	0.2	0.14	0	18.2	0	0	0
8	31	6	5	4	18.5	0.3	0.14	3.956	18.645	12.781	0	0
8	31	7	0	42	19.5	0.3	0.14	39.761	21.214	224.152	188.141	0.188141
8	31	8	12	121	21.4	0.4	0.14	121.317	26.466	698.15	645.343	0.645343
8	31	9	39	230	23.7	0.4	0.14	254.619	34.303	1442.072	1362.906	1.362906
8	31	10	82	333	25.6	0.4	0.14	404.461	42.411	2228.088	2121.07	2.12107
8	31	11	51	348	26.9	0.4	0.14	400.072	43.5	2179.159	2073.875	2.073875
8	31	12	319	392	27.3	0.4	0.14	735.068	57.853	3823.37	3659.824	3.659824
8	31	13	56	344	27.1	0.3	0.14	401.738	44.281	2180.304	2074.979	2.074979
8	31	14	28	265	26.5	0.3	0.14	289.26	38.88	1595.895	1511.279	1.511279
8	31	15	0	109	25.7	0.3	0.14	103.738	30.146	574.53	526.104	0.526104
8	31	16	2	120	24.8	0.3	0.14	115.536	29.768	651.587	600.431	0.600431
8	31	17	5	40	23.6	0.2	0.14	39.473	25.355	217.842	182.055	0.182055
8	31	18	0	13	23	0.2	0.14	12.28	23.539	61.475	31.229	0.031229
8	31	19	0	0	23.9	0.5	0.14	0	23.9	0	0	0
8	31	20	0	0	23.1	0.5	0.14	0	23.1	0	0	0
8	31	21	0	0	22.3	0.4	0.14	0	22.3	0	0	0
8	31	22	0	0	21.6	0.4	0.14	0	21.6	0	0	0
8	31	23	0	0	21.1	0.4	0.14	0	21.1	0	0	0
9	1	0	0	0	20.7	0.4	0.14	0	20.7	0	0	0
9	1	1	0	0	20.5	0.5	0.14	0	20.5	0	0	0
9	1	2	0	0	20.9	0.6	0.14	0	20.9	0	0	0
9	1	3	0	0	21.2	0.6	0.14	0	21.2	0	0	0
9	1	4	0	0	21	0.6	0.14	0	21	0	0	0
9	1	5	0	0	20.5	0.5	0.14	0	20.5	0	0	0
9	1	6	114	27	21.9	0.3	0.14	25.065	22.798	82.772	51.771	0.051771
9	1	7	406	86	24.6	0.1	0.14	192.552	33.243	1013.275	949.303	0.949303
9	1	8	574	123	26.6	0.2	0.14	413.417	45.02	2319.887	2209.616	2.209616
9	1	9	614	164	27.9	0.2	0.14	603.971	54.769	3253.017	3109.681	3.109681
9	1	10	265	317	28.9	0.2	0.14	559.002	53.657	2972.597	2839.198	2.839198
9	1	11	147	401	29.5	0.3	0.14	557.398	53.365	2940.882	2808.607	2.808607
9	1	12	226	417	29.9	0.3	0.14	659.425	58.137	3415.885	3266.778	3.266778
9	1	13	206	408	30.5	0.3	0.14	624.475	57.245	3247.627	3104.482	3.104482
9	1	14	93	347	30.4	0.3	0.14	431.891	48.9	2315.741	2205.617	2.205617

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	1	15	65	258	29.4	0.3	0.14	304.543	42.47	1674.193	1586.802	1.586802
9	1	16	40	136	28.5	0.2	0.14	154.317	35.354	863.091	804.44	0.80444
9	1	17	0	63	27.1	0.2	0.14	59.715	29.756	330.385	290.61	0.29061
9	1	18	0	27	26.1	0.1	0.14	25.561	27.256	129.539	96.881	0.096881
9	1	19	0	0	24.3	0.1	0.14	0	24.3	0	0	0
9	1	20	0	0	24.2	0.1	0.14	0	24.2	0	0	0
9	1	21	0	0	23.9	0.2	0.14	0	23.9	0	0	0
9	1	22	0	0	23.6	0.2	0.14	0	23.6	0	0	0
9	1	23	0	0	23.4	0.2	0.14	0	23.4	0	0	0
9	2	0	0	0	23.2	0.2	0.14	0	23.2	0	0	0
9	2	1	0	0	23.2	0.2	0.14	0	23.2	0	0	0
9	2	2	0	0	23.2	0.2	0.14	0	23.2	0	0	0
9	2	3	0	0	23.1	0.2	0.14	0	23.1	0	0	0
9	2	4	0	0	22.9	0.2	0.14	0	22.9	0	0	0
9	2	5	0	0	22.9	0.2	0.14	0	22.9	0	0	0
9	2	6	0	8	23.1	0.3	0.14	7.554	23.38	25.139	0	0
9	2	7	84	76	23.6	0.4	0.14	96.131	27.583	529.499	482.669	0.482669
9	2	8	10	145	24.8	0.5	0.14	143.837	30.632	818.845	761.762	0.761762
9	2	9	7	170	27	0.5	0.14	168.02	33.79	937.983	876.678	0.876678
9	2	10	38	292	28.9	0.6	0.14	324.889	41.636	1782.297	1691.075	1.691075
9	2	11	39	300	29.9	0.6	0.14	338.734	43.161	1839.551	1746.3	1.7463
9	2	12	171	388	30.1	0.6	0.14	574.423	52.607	3040.477	2904.673	2.904673
9	2	13	175	398	29.6	0.5	0.14	584.108	53.158	3088.087	2950.596	2.950596
9	2	14	38	262	28.8	0.5	0.14	295.083	40.7	1618.551	1533.131	1.533131
9	2	15	1	109	28.1	0.4	0.14	104.474	32.445	573.431	525.044	0.525044
9	2	16	21	142	27.4	0.3	0.14	150.022	33.855	842.36	784.443	0.784443
9	2	17	12	58	26.2	0.2	0.14	59.487	28.843	328.709	288.994	0.288994
9	2	18	34	25	25.5	0.2	0.14	26.39	26.632	125.217	92.712	0.092712
9	2	19	0	0	24.4	0.5	0.14	0	24.4	0	0	0
9	2	20	0	0	24.5	0.5	0.14	0	24.5	0	0	0
9	2	21	0	0	24.4	0.4	0.14	0	24.4	0	0	0
9	2	22	0	0	24	0.3	0.14	0	24	0	0	0
9	2	23	0	0	23.5	0.4	0.14	0	23.5	0	0	0
9	3	0	0	0	22.8	0.3	0.14	0	22.8	0	0	0
9	3	1	0	0	22.3	0.2	0.14	0	22.3	0	0	0
9	3	2	0	0	22	0.1	0.14	0	22	0	0	0
9	3	3	0	0	21.8	0.2	0.14	0	21.8	0	0	0
9	3	4	0	0	21.7	0.2	0.14	0	21.7	0	0	0
9	3	5	0	0	21.7	0.2	0.14	0	21.7	0	0	0
9	3	6	0	6	21.8	0.3	0.14	5.663	22.01	18.692	0	0
9	3	7	0	35	22.1	0.3	0.14	33.118	23.527	183.062	148.507	0.148507
9	3	8	1	82	22.8	0.3	0.14	78.293	26.17	442.822	399.063	0.399063
9	3	9	20	207	24.1	0.2	0.14	213.584	33.559	1205.594	1134.807	1.134807

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	3	10	89	319	25.8	0.2	0.14	396.288	43.325	2175.879	2070.711	2.070711
9	3	11	202	386	27.4	0.4	0.14	593.702	52.074	3159.859	3019.825	3.019825
9	3	12	177	415	28.5	0.5	0.14	609.391	53.071	3221.471	3079.253	3.079253
9	3	13	253	389	29.2	0.5	0.14	659.736	55.826	3460.343	3309.661	3.309661
9	3	14	205	314	29.6	0.5	0.14	503.716	49.951	2710.818	2586.695	2.586695
9	3	15	346	255	29.4	0.5	0.14	519.468	50.452	2822.93	2694.834	2.694834
9	3	16	370	174	28.6	0.5	0.14	378.391	43.986	2126.297	2022.885	2.022885
9	3	17	296	103	27.1	0.3	0.14	196.513	35.48	1071.171	1005.148	1.005148
9	3	18	61	37	26.1	0.3	0.14	39.171	27.718	184.314	149.715	0.149715
9	3	19	0	0	23.9	0.2	0.14	0	23.9	0	0	0
9	3	20	0	0	23.2	0.2	0.14	0	23.2	0	0	0
9	3	21	0	0	22.9	0.2	0.14	0	22.9	0	0	0
9	3	22	0	0	22.6	0.2	0.14	0	22.6	0	0	0
9	3	23	0	0	22.4	0.2	0.14	0	22.4	0	0	0
9	4	0	0	0	22	0.2	0.14	0	22	0	0	0
9	4	1	0	0	21.3	0.2	0.14	0	21.3	0	0	0
9	4	2	0	0	20.2	0.2	0.14	0	20.2	0	0	0
9	4	3	0	0	19.2	0.2	0.14	0	19.2	0	0	0
9	4	4	0	0	18.2	0.2	0.14	0	18.2	0	0	0
9	4	5	0	0	17.5	0.2	0.14	0	17.5	0	0	0
9	4	6	20	19	17.8	0.3	0.14	17.915	18.46	62.983	32.683	0.032683
9	4	7	526	63	19.6	0.3	0.14	201.946	28.05	1064.121	998.347	0.998347
9	4	8	618	104	22	0.3	0.14	415.244	39.936	2383.01	2270.502	2.270502
9	4	9	846	87	24	0.3	0.14	677.385	53.243	3693.334	3534.397	3.534397
9	4	10	893	95	25.4	0.3	0.14	857.626	62.342	4456.513	4270.533	4.270533
9	4	11	694	205	26.4	0.3	0.14	889.153	64.61	4533.414	4344.709	4.344709
9	4	12	903	113	27.1	0.4	0.14	1012.201	69.317	5051.918	4844.84	4.84484
9	4	13	818	151	27.3	0.4	0.14	956.112	67.174	4821.764	4622.841	4.622841
9	4	14	355	321	27.2	0.5	0.14	650.272	53.497	3470.24	3319.208	3.319208
9	4	15	865	83	26.7	0.5	0.14	720.21	55.97	3874.451	3709.096	3.709096
9	4	16	779	78	25.6	0.4	0.14	504.354	46.769	2841.499	2712.746	2.712746
9	4	17	663	59	23.3	0.3	0.14	269.911	34.72	1450.854	1371.377	1.371377
9	4	18	358	31	21.6	0.2	0.14	54.52	23.687	200.096	164.938	0.164938
9	4	19	0	0	17.8	0.2	0.14	0	17.8	0	0	0
9	4	20	0	0	16.7	0.2	0.14	0	16.7	0	0	0
9	4	21	0	0	15.6	0.2	0.14	0	15.6	0	0	0
9	4	22	0	0	14.7	0.2	0.14	0	14.7	0	0	0
9	4	23	0	0	13.9	0.2	0.14	0	13.9	0	0	0
9	5	0	0	0	13.2	0.2	0.14	0	13.2	0	0	0
9	5	1	0	0	12.9	0.3	0.14	0	12.9	0	0	0
9	5	2	0	0	13.3	0.6	0.14	0	13.3	0	0	0
9	5	3	0	0	14	0.7	0.14	0	14	0	0	0
9	5	4	0	0	14.5	0.6	0.14	0	14.5	0	0	0

Month	Day	Hour	Beam Irradiance (W/m ²)	Diffuse Irradiance (W/m ²)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m ²)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	5	5	0	0	14.5	0.5	0.14	0	14.5	0	0	0
9	5	6	239	21	15.2	0.3	0.14	21.424	15.933	66.614	36.186	0.036186
9	5	7	636	51	17.3	0.1	0.14	218.221	26.991	1142.167	1073.628	1.073628
9	5	8	792	68	20.8	0.1	0.14	461.686	42.064	2637.066	2515.557	2.515557
9	5	9	867	80	24.3	0.2	0.14	683.863	54.767	3706.357	3546.958	3.546958
9	5	10	905	88	26.4	0.2	0.14	859.575	64.61	4423.299	4238.496	4.238496
9	5	11	927	93	27.5	0.2	0.14	976.859	70.866	4855.334	4655.222	4.655222
9	5	12	936	93	28.3	0.3	0.14	1021.807	72.242	5034.234	4827.783	4.827783
9	5	13	932	90	28.7	0.3	0.14	991.035	71.332	4911.603	4709.497	4.709497
9	5	14	908	88	28.6	0.4	0.14	886.109	65.619	4532.423	4343.754	4.343754
9	5	15	864	83	27.9	0.4	0.14	717.403	57.931	3827.565	3663.871	3.663871
9	5	16	790	73	26.6	0.4	0.14	502.701	47.703	2822.582	2694.499	2.694499
9	5	17	651	58	23.9	0.3	0.14	263.143	35.026	1408.099	1330.137	1.330137
9	5	18	338	29	22	0.2	0.14	50.09	23.9	179.239	144.82	0.14482
9	5	19	0	0	18.7	0.2	0.14	0	18.7	0	0	0
9	5	20	0	0	18.3	0.2	0.14	0	18.3	0	0	0
9	5	21	0	0	17.9	0.2	0.14	0	17.9	0	0	0
9	5	22	0	0	17.3	0.2	0.14	0	17.3	0	0	0
9	5	23	0	0	16.7	0.2	0.14	0	16.7	0	0	0
9	6	0	0	0	16.1	0.2	0.14	0	16.1	0	0	0
9	6	1	0	0	15.6	0.2	0.14	0	15.6	0	0	0
9	6	2	0	0	15.2	0.2	0.14	0	15.2	0	0	0
9	6	3	0	0	15	0.3	0.14	0	15	0	0	0
9	6	4	0	0	15.1	0.6	0.14	0	15.1	0	0	0
9	6	5	0	0	15.5	0.6	0.14	0	15.5	0	0	0
9	6	6	143	20	16.7	0.3	0.14	18.471	17.352	59.907	29.716	0.029716
9	6	7	479	68	19.3	0.1	0.14	194.622	27.992	1029.519	964.971	0.964971
9	6	8	326	161	22.9	0	0.14	324.248	38.307	1854.525	1760.744	1.760744
9	6	9	685	138	25.8	0.1	0.14	625.033	54.539	3379.026	3231.226	3.231226
9	6	10	538	235	27.3	0.2	0.14	711.328	58.865	3732.691	3572.359	3.572359
9	6	11	556	260	28	0.2	0.14	813.009	64.03	4149.702	3974.594	3.974594
9	6	12	412	350	28.5	0.2	0.14	790.503	63.481	4023.787	3853.141	3.853141
9	6	13	118	392	29.2	0.3	0.14	523.688	51.618	2779.501	2652.945	2.652945
9	6	14	278	332	29.6	0.3	0.14	594.554	55.118	3143.573	3004.116	3.004116
9	6	15	13	178	29.2	0.4	0.14	180.613	36.717	997.858	934.432	0.934432
9	6	16	366	160	27.9	0.4	0.14	364.406	43.166	2055.369	1954.471	1.954471
9	6	17	271	102	25.5	0.3	0.14	185.459	33.404	1015.501	951.45	0.95145
9	6	18	108	33	23.8	0.2	0.14	37.767	25.347	159.516	125.796	0.125796
9	6	19	0	0	21.2	0.2	0.14	0	21.2	0	0	0
9	6	20	0	0	20.5	0.2	0.14	0	20.5	0	0	0
9	6	21	0	0	19.8	0.2	0.14	0	19.8	0	0	0
9	6	22	0	0	19.1	0.2	0.14	0	19.1	0	0	0
9	6	23	0	0	18.5	0.2	0.14	0	18.5	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	7	0	0	0	18.1	0.2	0.14	0	18.1	0	0	0
9	7	1	0	0	17.7	0.2	0.14	0	17.7	0	0	0
9	7	2	0	0	17.5	0.2	0.14	0	17.5	0	0	0
9	7	3	0	0	17.2	0.2	0.14	0	17.2	0	0	0
9	7	4	0	0	17	0.2	0.14	0	17	0	0	0
9	7	5	0	0	16.9	0.2	0.14	0	16.9	0	0	0
9	7	6	79	18	17.8	0.3	0.14	16.569	18.398	55.547	25.511	0.025511
9	7	7	376	84	20.2	0.5	0.14	182.599	27.442	981.83	918.972	0.918972
9	7	8	550	126	23.4	0.6	0.14	401.693	39.277	2307.875	2198.03	2.19803
9	7	9	662	146	26.4	0.6	0.14	617.484	50.782	3391.435	3243.195	3.243195
9	7	10	733	156	28.6	0.6	0.14	795.001	59.926	4168.527	3992.751	3.992751
9	7	11	764	165	30	0.6	0.14	906.141	65.661	4606.599	4415.301	4.415301
9	7	12	784	162	30.9	0.6	0.14	952.788	68.382	4774.453	4577.207	4.577207
9	7	13	792	151	31.3	0.6	0.14	927.626	67.806	4668.724	4475.224	4.475224
9	7	14	755	149	31.2	0.6	0.14	821.277	63.555	4233.92	4055.828	4.055828
9	7	15	402	238	30.6	0.5	0.14	546.34	52.756	2949.164	2816.595	2.816595
9	7	16	253	188	29.4	0.4	0.14	327.856	43.124	1838.588	1745.372	1.745372
9	7	17	337	92	27.2	0.3	0.14	197.136	35.582	1062.517	996.8	0.9968
9	7	18	62	30	25.9	0.2	0.14	31.803	27.205	132.568	99.802	0.099802
9	7	19	0	0	23.8	0.2	0.14	0	23.8	0	0	0
9	7	20	0	0	23	0.2	0.14	0	23	0	0	0
9	7	21	0	0	22.2	0.2	0.14	0	22.2	0	0	0
9	7	22	0	0	21.6	0.2	0.14	0	21.6	0	0	0
9	7	23	0	0	21.1	0.2	0.14	0	21.1	0	0	0
9	8	0	0	0	20.7	0.2	0.14	0	20.7	0	0	0
9	8	1	0	0	20.3	0.2	0.14	0	20.3	0	0	0
9	8	2	0	0	19.8	0.2	0.14	0	19.8	0	0	0
9	8	3	0	0	19.2	0.2	0.14	0	19.2	0	0	0
9	8	4	0	0	18.8	0.2	0.14	0	18.8	0	0	0
9	8	5	0	0	18.7	0.2	0.14	0	18.7	0	0	0
9	8	6	68	17	19.4	0.3	0.14	15.525	19.962	51.865	21.959	0.021959
9	8	7	372	75	21.6	0.3	0.14	172.604	28.858	916.487	855.944	0.855944
9	8	8	565	113	25	0.3	0.14	398.219	42.199	2260.914	2152.733	2.152733
9	8	9	752	111	28.3	0.3	0.14	640.207	55.934	3447.03	3296.82	3.29682
9	8	10	804	122	30.4	0.3	0.14	814.831	65.494	4173.697	3997.738	3.997738
9	8	11	833	128	31.8	0.2	0.14	930.555	73.102	4576.505	4386.274	4.386274
9	8	12	671	212	32.6	0.3	0.14	900.292	71.276	4446.391	4260.769	4.260769
9	8	13	835	130	33	0.3	0.14	944.428	73.618	4630.211	4438.076	4.438076
9	8	14	813	123	33	0.3	0.14	841.901	69.25	4233.99	4055.895	4.055895
9	8	15	767	113	32.4	0.2	0.14	677.221	62.549	3536.713	3383.325	3.383325
9	8	16	687	95	31.4	0.2	0.14	465.893	52.199	2560.58	2441.781	2.441781
9	8	17	536	70	28.9	0.4	0.14	234.848	38.532	1233.443	1161.67	1.16167
9	8	18	214	28	27	0.5	0.14	37.834	28.287	126.026	93.492	0.093492

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	8	19	0	0	24.6	0.9	0.14	0	24.6	0	0	0
9	8	20	0	0	23.8	0.9	0.14	0	23.8	0	0	0
9	8	21	0	0	23.1	0.9	0.14	0	23.1	0	0	0
9	8	22	0	0	22.4	0.9	0.14	0	22.4	0	0	0
9	8	23	0	0	21.4	0.9	0.14	0	21.4	0	0	0
9	9	0	0	0	20.2	0.7	0.14	0	20.2	0	0	0
9	9	1	0	0	19.1	0.4	0.14	0	19.1	0	0	0
9	9	2	0	0	18.5	0.2	0.14	0	18.5	0	0	0
9	9	3	0	0	18.1	0.2	0.14	0	18.1	0	0	0
9	9	4	0	0	17.6	0.1	0.14	0	17.6	0	0	0
9	9	5	0	0	17.4	0.1	0.14	0	17.4	0	0	0
9	9	6	117	17	18.8	0.2	0.14	17.866	19.461	59.015	28.856	0.028856
9	9	7	491	65	21.7	0.2	0.14	194.292	30.09	1014.061	950.061	0.950061
9	9	8	674	92	25.2	0.3	0.14	429.046	43.736	2427.403	2313.322	2.313322
9	9	9	757	114	28.2	0.3	0.14	646.408	56.102	3478.595	3327.267	3.327267
9	9	10	796	132	29.9	0.4	0.14	818.307	64.088	4217.641	4040.125	4.040125
9	9	11	827	139	31.1	0.4	0.14	936.09	70.159	4666.436	4473.018	4.473018
9	9	12	828	146	32.1	0.4	0.14	976.524	72.826	4796.735	4598.7	4.5987
9	9	13	808	149	32.7	0.3	0.14	937.988	73.037	4609.9	4418.485	4.418485
9	9	14	777	145	32.9	0.2	0.14	832.775	69.894	4173.719	3997.76	3.99776
9	9	15	720	133	32.5	0.1	0.14	664.849	63.066	3461.24	3310.527	3.310527
9	9	16	622	115	32	0.1	0.14	451.052	52.793	2468.228	2352.701	2.352701
9	9	17	454	82	30.5	0.2	0.14	219.406	40.086	1147.497	1078.769	1.078769
9	9	18	144	27	29.2	0.3	0.14	32.32	30.351	102.739	71.031	0.071031
9	9	19	0	0	26.2	0.8	0.14	0	26.2	0	0	0
9	9	20	0	0	24.3	0.8	0.14	0	24.3	0	0	0
9	9	21	0	0	22.7	0.7	0.14	0	22.7	0	0	0
9	9	22	0	0	21.9	0.5	0.14	0	21.9	0	0	0
9	9	23	0	0	21.4	0.4	0.14	0	21.4	0	0	0
9	10	0	0	0	21	0.4	0.14	0	21	0	0	0
9	10	1	0	0	20.8	0.5	0.14	0	20.8	0	0	0
9	10	2	0	0	20.5	0.6	0.14	0	20.5	0	0	0
9	10	3	0	0	20.1	0.6	0.14	0	20.1	0	0	0
9	10	4	0	0	19.7	0.5	0.14	0	19.7	0	0	0
9	10	5	0	0	19.5	0.5	0.14	0	19.5	0	0	0
9	10	6	77	16	20.7	0.3	0.14	16.38	21.294	54.682	24.676	0.024676
9	10	7	398	77	23.7	0.1	0.14	181.086	31.809	948.505	886.828	0.886828
9	10	8	578	115	27.2	0.2	0.14	406.219	45.303	2277.648	2168.873	2.168873
9	10	9	670	142	29.7	0.2	0.14	618.043	57.217	3303.927	3158.788	3.158788
9	10	10	716	165	30.8	0.2	0.14	789.221	65.861	4030.619	3859.73	3.85973
9	10	11	228	325	31.7	0.2	0.14	564.077	56.655	2949.34	2816.766	2.816766
9	10	12	105	332	32.4	0.2	0.14	450.886	52.315	2378.475	2266.128	2.266128
9	10	13	440	293	32.7	0.2	0.14	743.206	65.62	3759.145	3597.876	3.597876

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	10	14	188	316	32.5	0.2	0.14	490.109	54.199	2591.049	2471.17	2.47117
9	10	15	201	227	31.9	0.3	0.14	375.779	48.066	2047.376	1946.762	1.946762
9	10	16	2	51	30.6	0.3	0.14	49.349	32.724	265.175	227.711	0.227711
9	10	17	51	84	28.4	0.2	0.14	96.285	32.663	527.849	481.077	0.481077
9	10	18	66	26	27.1	0.2	0.14	27.087	28.093	85.902	54.79	0.05479
9	10	19	0	0	25.3	0.2	0.14	0	25.3	0	0	0
9	10	20	0	0	24.6	0.3	0.14	0	24.6	0	0	0
9	10	21	0	0	23.7	0.3	0.14	0	23.7	0	0	0
9	10	22	0	0	22.8	0.3	0.14	0	22.8	0	0	0
9	10	23	0	0	22	0.3	0.14	0	22	0	0	0
9	11	0	0	0	21.3	0.3	0.14	0	21.3	0	0	0
9	11	1	0	0	20.6	0.3	0.14	0	20.6	0	0	0
9	11	2	0	0	20.1	0.3	0.14	0	20.1	0	0	0
9	11	3	0	0	19.8	0.3	0.14	0	19.8	0	0	0
9	11	4	0	0	19.4	0.3	0.14	0	19.4	0	0	0
9	11	5	0	0	19.2	0.3	0.14	0	19.2	0	0	0
9	11	6	28	13	19.5	0.4	0.14	12.907	19.961	44.09	14.46	0.01446
9	11	7	123	65	20.8	0.4	0.14	97.161	24.804	531.451	484.552	0.484552
9	11	8	0	41	22.9	0.4	0.14	38.822	24.522	214.551	178.88	0.17888
9	11	9	1	150	25	0.4	0.14	144.596	31.021	813.09	756.211	0.756211
9	11	10	1	158	26.7	0.4	0.14	152.455	33.033	844.048	786.072	0.786072
9	11	11	4	166	27.4	0.4	0.14	163.252	34.172	897.58	837.707	0.837707
9	11	12	3	160	27.3	0.4	0.14	156.583	33.792	859.229	800.715	0.800715
9	11	13	6	185	26.9	0.4	0.14	183.916	34.529	1014.081	950.08	0.95008
9	11	14	36	285	26.4	0.4	0.14	318.375	39.63	1761.818	1671.321	1.671321
9	11	15	12	198	25.7	0.4	0.14	199.986	34.026	1123.585	1055.704	1.055704
9	11	16	0	96	24.9	0.4	0.14	91.378	28.715	514.443	468.146	0.468146
9	11	17	270	57	23.5	0.3	0.14	138.299	29.356	744.147	689.711	0.689711
9	11	18	157	24	22.7	0.2	0.14	28.74	23.687	83.349	52.328	0.052328
9	11	19	0	0	20.1	0.2	0.14	0	20.1	0	0	0
9	11	20	0	0	19.4	0.2	0.14	0	19.4	0	0	0
9	11	21	0	0	18.7	0.2	0.14	0	18.7	0	0	0
9	11	22	0	0	18.2	0.2	0.14	0	18.2	0	0	0
9	11	23	0	0	17.8	0.2	0.14	0	17.8	0	0	0
9	12	0	0	0	17.5	0.2	0.14	0	17.5	0	0	0
9	12	1	0	0	17.3	0.1	0.14	0	17.3	0	0	0
9	12	2	0	0	17.2	0.1	0.14	0	17.2	0	0	0
9	12	3	0	0	17.2	0.1	0.14	0	17.2	0	0	0
9	12	4	0	0	17.2	0.1	0.14	0	17.2	0	0	0
9	12	5	0	0	17.2	0.2	0.14	0	17.2	0	0	0
9	12	6	64	15	18.1	0.2	0.14	15.198	18.672	51.71	21.81	0.02181
9	12	7	379	76	20.6	0.3	0.14	175.175	27.96	931.493	870.419	0.870419
9	12	8	355	116	23.9	0.3	0.14	296.887	36.717	1708.474	1619.868	1.619868

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	12	9	26	218	26.9	0.3	0.14	229.493	36.756	1284.253	1210.679	1.210679
9	12	10	109	326	29.3	0.4	0.14	422.358	46.872	2293.698	2184.355	2.184355
9	12	11	510	273	31	0.4	0.14	781.771	63.574	3999.935	3830.133	3.830133
9	12	12	431	330	32.2	0.4	0.14	786.13	64.922	3982.859	3813.662	3.813662
9	12	13	710	192	32.8	0.4	0.14	892.224	70.01	4445.007	4259.435	4.259435
9	12	14	472	261	32.7	0.4	0.14	691.009	61.52	3579.373	3424.474	3.424474
9	12	15	525	189	32	0.4	0.14	577.499	56.15	3088.339	2950.839	2.950839
9	12	16	229	174	30.5	0.3	0.14	298.337	43.376	1667.585	1580.428	1.580428
9	12	17	46	85	27.7	0.2	0.14	95.709	31.938	526.333	479.615	0.479615
9	12	18	0	16	25.9	0.2	0.14	15.142	26.48	51.464	21.573	0.021573
9	12	19	0	0	24.4	0.3	0.13	0	24.4	0	0	0
9	12	20	0	0	24.1	0.3	0.13	0	24.1	0	0	0
9	12	21	0	0	23.5	0.3	0.13	0	23.5	0	0	0
9	12	22	0	0	23.1	0.3	0.13	0	23.1	0	0	0
9	12	23	0	0	22.9	0.2	0.13	0	22.9	0	0	0
9	13	0	0	0	22.8	0.2	0.13	0	22.8	0	0	0
9	13	1	0	0	22.6	0.2	0.13	0	22.6	0	0	0
9	13	2	0	0	22.5	0.2	0.13	0	22.5	0	0	0
9	13	3	0	0	22.4	0.2	0.13	0	22.4	0	0	0
9	13	4	0	0	22.4	0.2	0.13	0	22.4	0	0	0
9	13	5	0	0	22.3	0.2	0.13	0	22.3	0	0	0
9	13	6	3	5	22.4	0.3	0.13	4.878	22.581	15.854	0	0
9	13	7	12	33	22.8	0.3	0.13	34.574	24.283	187.649	152.932	0.152932
9	13	8	14	129	23.6	0.3	0.13	130.583	29.225	746.844	692.312	0.692312
9	13	9	68	241	25	0.3	0.13	288.005	37.378	1623.792	1538.187	1.538187
9	13	10	300	308	26.7	0.3	0.13	580.126	51.623	3124.18	2985.41	2.98541
9	13	11	626	225	28.1	0.2	0.13	841.616	65.427	4280.131	4100.401	4.100401
9	13	12	365	355	28.5	0.2	0.13	738.479	61.186	3800.256	3637.53	3.63753
9	13	13	268	367	28.3	0.2	0.13	649.027	57.018	3395.989	3247.588	3.247588
9	13	14	216	332	27.8	0.2	0.13	530.381	51.291	2847.862	2718.883	2.718883
9	13	15	177	254	27.3	0.2	0.13	386.325	44.447	2138.402	2034.562	2.034562
9	13	16	206	167	26.1	0.2	0.13	278.829	38.516	1587.21	1502.901	1.502901
9	13	17	242	96	24.1	0.4	0.13	165.891	30.941	905.411	845.261	0.845261
9	13	18	45	16	23	0.5	0.13	16.282	23.546	51.672	21.773	0.021773
9	13	19	0	0	20.5	0.4	0.13	0	20.5	0	0	0
9	13	20	0	0	19.6	0.2	0.13	0	19.6	0	0	0
9	13	21	0	0	19.5	0.2	0.13	0	19.5	0	0	0
9	13	22	0	0	19.5	0.2	0.13	0	19.5	0	0	0
9	13	23	0	0	19.1	0.2	0.13	0	19.1	0	0	0
9	14	0	0	0	18.3	0.2	0.13	0	18.3	0	0	0
9	14	1	0	0	17.6	0.2	0.13	0	17.6	0	0	0
9	14	2	0	0	17	0.2	0.13	0	17	0	0	0
9	14	3	0	0	16.3	0.2	0.13	0	16.3	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	14	4	0	0	15.5	0.2	0.13	0	15.5	0	0	0
9	14	5	0	0	14.9	0.2	0.13	0	14.9	0	0	0
9	14	6	47	11	15.3	0.2	0.13	11.1	15.718	37.877	8.467	0.008467
9	14	7	326	83	17.1	0.3	0.13	168.723	24.207	917.827	857.237	0.857237
9	14	8	507	135	20.1	0.4	0.13	389.303	36.408	2261.222	2153.03	2.15303
9	14	9	615	169	23.1	0.4	0.13	607.178	48.513	3368.084	3220.672	3.220672
9	14	10	660	198	25.2	0.4	0.13	775.232	57.574	4106.704	3933.119	3.933119
9	14	11	665	225	26.5	0.4	0.13	877.186	63.081	4509.552	4321.692	4.321692
9	14	12	593	277	27.2	0.4	0.13	885.103	64.078	4515.128	4327.071	4.327071
9	14	13	487	324	27.2	0.5	0.13	816.898	60.239	4237.175	4058.967	4.058967
9	14	14	429	311	26.9	0.5	0.13	696.764	55.108	3709.249	3549.748	3.549748
9	14	15	317	274	26	0.5	0.13	511.937	46.76	2832.172	2703.749	2.703749
9	14	16	218	202	24.7	0.4	0.13	316.247	37.937	1810.166	1717.957	1.717957
9	14	17	117	102	22.6	0.3	0.13	134.542	28.35	750.833	696.16	0.69616
9	14	18	12	8	21.3	0.2	0.13	8.046	21.602	25.986	0	0
9	14	19	0	0	19.4	0.2	0.13	0	19.4	0	0	0
9	14	20	0	0	18.4	0.2	0.13	0	18.4	0	0	0
9	14	21	0	0	17.4	0.2	0.13	0	17.4	0	0	0
9	14	22	0	0	16.5	0.2	0.13	0	16.5	0	0	0
9	14	23	0	0	15.7	0.2	0.13	0	15.7	0	0	0
9	15	0	0	0	14.9	0.2	0.13	0	14.9	0	0	0
9	15	1	0	0	14.1	0.2	0.13	0	14.1	0	0	0
9	15	2	0	0	13.4	0.2	0.13	0	13.4	0	0	0
9	15	3	0	0	12.8	0.2	0.13	0	12.8	0	0	0
9	15	4	0	0	12.2	0.2	0.13	0	12.2	0	0	0
9	15	5	0	0	11.6	0.1	0.13	0	11.6	0	0	0
9	15	6	52	11	12.1	0.2	0.13	11.125	12.519	38.501	9.069	0.009069
9	15	7	362	80	14.4	0.3	0.13	174.708	21.745	954.734	892.836	0.892836
9	15	8	562	127	17.5	0.3	0.13	407.241	35.088	2381.845	2269.378	2.269378
9	15	9	678	152	20.3	0.3	0.13	632.071	47.58	3525.608	3372.614	3.372614
9	15	10	747	167	22.2	0.3	0.13	814.288	57.27	4325.715	4144.369	4.144369
9	15	11	784	175	23.7	0.3	0.13	933.536	63.856	4789.845	4592.054	4.592054
9	15	12	751	203	24.9	0.2	0.13	961.229	67.535	4837.27	4637.798	4.637798
9	15	13	682	230	25.5	0.2	0.13	901.977	65.509	4585.42	4394.873	4.394873
9	15	14	650	216	25.6	0.2	0.13	793.281	60.829	4138.882	3964.157	3.964157
9	15	15	589	190	25.1	0.2	0.13	618.752	52.636	3368.326	3220.905	3.220905
9	15	16	487	151	23.6	0.2	0.13	406.705	41.734	2319.112	2208.869	2.208869
9	15	17	315	92	20.5	0.4	0.13	182.822	28.011	1000.688	937.162	0.937162
9	15	18	56	14	18.5	0.7	0.13	15.3	18.982	48.992	19.188	0.019188
9	15	19	0	0	15.3	0.6	0.13	0	15.3	0	0	0
9	15	20	0	0	14.2	0.3	0.13	0	14.2	0	0	0
9	15	21	0	0	13.4	0.2	0.13	0	13.4	0	0	0
9	15	22	0	0	12.7	0.2	0.13	0	12.7	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	15	23	0	0	12.1	0.2	0.13	0	12.1	0	0	0
9	16	0	0	0	11.6	0.1	0.13	0	11.6	0	0	0
9	16	1	0	0	11.1	0.1	0.13	0	11.1	0	0	0
9	16	2	0	0	10.8	0.3	0.13	0	10.8	0	0	0
9	16	3	0	0	10.5	0.5	0.13	0	10.5	0	0	0
9	16	4	0	0	10.3	0.5	0.13	0	10.3	0	0	0
9	16	5	0	0	10.1	0.4	0.13	0	10.1	0	0	0
9	16	6	28	8	11.4	0.3	0.13	7.992	11.693	27.642	0	0
9	16	7	252	87	13.9	0.2	0.13	152.046	20.528	845.054	787.042	0.787042
9	16	8	424	158	17	0.1	0.13	372.787	34.151	2180.519	2075.187	2.075187
9	16	9	514	210	20.9	0.1	0.13	578.027	47.467	3213.186	3071.262	3.071262
9	16	10	553	254	23.9	0.1	0.13	741.152	57.887	3913.435	3746.698	3.746698
9	16	11	557	280	25.8	0.2	0.13	830.769	62.633	4273.541	4094.044	4.094044
9	16	12	589	285	27.1	0.2	0.13	888.171	66.465	4483.097	4296.175	4.296175
9	16	13	502	296	27.3	0.2	0.13	799.854	62.751	4107.904	3934.277	3.934277
9	16	14	523	270	26.7	0.2	0.13	739.088	59.503	3870.311	3705.103	3.705103
9	16	15	422	232	25.8	0.2	0.13	545.447	50.054	2988.926	2854.949	2.854949
9	16	16	216	157	24	0.3	0.13	271.987	35.739	1565.732	1482.184	1.482184
9	16	17	182	86	22	0.6	0.13	137.519	27.351	756.565	701.689	0.701689
9	16	18	33	10	21.3	0.8	0.13	10.602	21.629	33.635	4.375	0.004375
9	16	19	0	0	20.5	0.8	0.13	0	20.5	0	0	0
9	16	20	0	0	20.1	0.8	0.13	0	20.1	0	0	0
9	16	21	0	0	19.7	0.7	0.13	0	19.7	0	0	0
9	16	22	0	0	19.3	0.6	0.13	0	19.3	0	0	0
9	16	23	0	0	18.8	0.6	0.13	0	18.8	0	0	0
9	17	0	0	0	18.2	0.7	0.13	0	18.2	0	0	0
9	17	1	0	0	17.3	0.8	0.13	0	17.3	0	0	0
9	17	2	0	0	16.1	0.9	0.13	0	16.1	0	0	0
9	17	3	0	0	14.7	1	0.13	0	14.7	0	0	0
9	17	4	0	0	13.3	0.9	0.13	0	13.3	0	0	0
9	17	5	0	0	12.2	0.6	0.13	0	12.2	0	0	0
9	17	6	27	7	13.2	0.3	0.13	7.001	13.457	23.813	0	0
9	17	7	275	83	16	0.2	0.13	153.701	22.688	841.707	783.814	0.783814
9	17	8	476	143	19.4	0.3	0.13	382.264	35.905	2223.143	2116.3	2.1163
9	17	9	604	175	23	0.4	0.13	601.947	48.197	3344.828	3198.239	3.198239
9	17	10	681	193	25.7	0.4	0.13	785.787	58.524	4149.16	3974.071	3.974071
9	17	11	719	202	27.2	0.4	0.13	900.627	64.774	4601.036	4409.935	4.409935
9	17	12	743	200	28.2	0.4	0.13	947.931	67.733	4769.104	4572.048	4.572048
9	17	13	744	191	28.6	0.4	0.13	915.659	66.804	4635.298	4442.983	4.442983
9	17	14	704	182	28.5	0.4	0.13	800.053	61.92	4161.517	3985.99	3.98599
9	17	15	629	166	27.7	0.4	0.13	621.092	53.697	3371.437	3223.905	3.223905
9	17	16	498	141	26.2	0.4	0.13	398.95	42.922	2262.14	2153.915	2.153915
9	17	17	260	85	23.4	0.3	0.13	156.719	30.035	844.365	786.378	0.786378

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	17	18	26	11	21.8	0.2	0.13	11.294	22.223	36.795	7.423	0.007423
9	17	19	0	0	19.9	0.3	0.13	0	19.9	0	0	0
9	17	20	0	0	18.9	0.3	0.13	0	18.9	0	0	0
9	17	21	0	0	17.8	0.3	0.13	0	17.8	0	0	0
9	17	22	0	0	17	0.3	0.13	0	17	0	0	0
9	17	23	0	0	16.3	0.2	0.13	0	16.3	0	0	0
9	18	0	0	0	15.7	0.3	0.13	0	15.7	0	0	0
9	18	1	0	0	15.1	0.3	0.13	0	15.1	0	0	0
9	18	2	0	0	14.6	0.3	0.13	0	14.6	0	0	0
9	18	3	0	0	14	0.3	0.13	0	14	0	0	0
9	18	4	0	0	13.1	0.3	0.13	0	13.1	0	0	0
9	18	5	0	0	12.2	0.3	0.13	0	12.2	0	0	0
9	18	6	65	11	12.2	0.4	0.13	11.151	12.594	38.498	9.066	0.009066
9	18	7	468	63	13.5	0.6	0.13	185.011	20.571	995.216	931.883	0.931883
9	18	8	699	86	15.7	0.6	0.13	431.878	32.78	2556.591	2437.933	2.437933
9	18	9	826	93	17.6	0.7	0.13	665.922	43.209	3796.995	3634.384	3.634384
9	18	10	894	95	19	0.7	0.13	847.446	51.52	4629.354	4437.25	4.43725
9	18	11	928	95	20.2	0.7	0.13	965.355	57.198	5115.497	4906.167	4.906167
9	18	12	943	91	21	0.7	0.13	1007.114	59.583	5270.304	5055.488	5.055488
9	18	13	943	85	21.4	0.7	0.13	971.78	58.646	5117.397	4907.999	4.907999
9	18	14	921	81	21.3	0.7	0.13	861.245	54.351	4648.452	4455.671	4.455671
9	18	15	879	75	20.8	0.7	0.13	688.109	47.265	3860.292	3695.438	3.695438
9	18	16	797	65	19.8	0.6	0.13	466.119	38.253	2713.467	2589.25	2.58925
9	18	17	626	48	17.9	0.5	0.13	218.135	26.468	1147.237	1078.518	1.078518
9	18	18	148	15	16.7	0.3	0.13	17.639	17.3	53.353	23.395	0.023395
9	18	19	0	0	13.9	0.2	0.13	0	13.9	0	0	0
9	18	20	0	0	12.8	0.2	0.13	0	12.8	0	0	0
9	18	21	0	0	11.8	0.2	0.13	0	11.8	0	0	0
9	18	22	0	0	11	0.2	0.13	0	11	0	0	0
9	18	23	0	0	10.3	0.2	0.13	0	10.3	0	0	0
9	19	0	0	0	9.7	0.2	0.13	0	9.7	0	0	0
9	19	1	0	0	9.1	0.2	0.13	0	9.1	0	0	0
9	19	2	0	0	8.6	0.2	0.13	0	8.6	0	0	0
9	19	3	0	0	8.1	0.2	0.13	0	8.1	0	0	0
9	19	4	0	0	7.5	0.2	0.13	0	7.5	0	0	0
9	19	5	0	0	7.1	0.2	0.13	0	7.1	0	0	0
9	19	6	114	11	7.6	0.3	0.13	11.482	8.013	39.52	10.052	0.010052
9	19	7	637	46	10.3	0.4	0.13	209.204	18.712	1111.288	1043.843	1.043843
9	19	8	820	64	13.7	0.5	0.13	464.927	32.625	2759.958	2634.094	2.634094
9	19	9	904	75	16.4	0.5	0.13	694.736	44.679	3942.928	3775.146	3.775146
9	19	10	946	83	18.3	0.4	0.13	876.012	54.942	4718.263	4523.008	4.523008
9	19	11	969	87	19.9	0.4	0.13	992.798	61.373	5166.151	4955.026	4.955026
9	19	12	971	89	21.1	0.4	0.13	1029.809	64.099	5282.067	5066.834	5.066834

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	19	13	963	88	21.9	0.4	0.13	991.425	63.313	5114.014	4904.737	4.904737
9	19	14	941	84	22.1	0.4	0.13	878.723	58.852	4651.735	4458.838	4.458838
9	19	15	899	76	21.7	0.4	0.13	700.189	51.05	3867.696	3702.581	3.702581
9	19	16	820	65	20.6	0.3	0.13	474.691	41.129	2730.395	2605.578	2.605578
9	19	17	648	47	17.2	0.2	0.13	220.617	26.676	1152.819	1083.902	1.083902
9	19	18	159	14	14.6	0.2	0.13	16.398	15.175	49.915	20.078	0.020078
9	19	19	0	0	12.5	0.2	0.13	0	12.5	0	0	0
9	19	20	0	0	12.1	0.2	0.13	0	12.1	0	0	0
9	19	21	0	0	11	0.2	0.13	0	11	0	0	0
9	19	22	0	0	10.1	0.2	0.13	0	10.1	0	0	0
9	19	23	0	0	9.4	0.2	0.13	0	9.4	0	0	0
9	20	0	0	0	8.7	0.2	0.13	0	8.7	0	0	0
9	20	1	0	0	8.2	0.2	0.13	0	8.2	0	0	0
9	20	2	0	0	7.8	0.2	0.13	0	7.8	0	0	0
9	20	3	0	0	7.4	0.2	0.13	0	7.4	0	0	0
9	20	4	0	0	6.9	0.2	0.13	0	6.9	0	0	0
9	20	5	0	0	6.4	0.2	0.13	0	6.4	0	0	0
9	20	6	106	11	7	0.2	0.13	11.385	7.424	39.591	10.12	0.01012
9	20	7	618	47	9.6	0.3	0.13	205.177	18.106	1092.249	1025.478	1.025478
9	20	8	802	65	13.6	0.3	0.13	456.894	33.345	2703.363	2579.504	2.579504
9	20	9	892	76	17.5	0.4	0.13	686.92	46.299	3873.121	3707.813	3.707813
9	20	10	942	81	20	0.5	0.13	869.316	55.308	4676.508	4482.733	4.482733
9	20	11	964	85	21.6	0.5	0.13	984.433	61.531	5121.172	4911.64	4.91164
9	20	12	972	85	22.7	0.5	0.13	1024.383	64.234	5253.428	5039.21	5.03921
9	20	13	972	82	23.4	0.5	0.13	990.744	63.587	5106.577	4897.563	4.897563
9	20	14	949	79	23.6	0.5	0.13	877.211	59.228	4638.394	4445.969	4.445969
9	20	15	903	73	23.1	0.5	0.13	696.843	51.465	3844.241	3679.956	3.679956
9	20	16	817	63	21.8	0.4	0.13	468.366	41.446	2688.285	2564.961	2.564961
9	20	17	638	46	18.2	0.3	0.13	214.781	27.128	1113.946	1046.407	1.046407
9	20	18	121	12	15.5	0.2	0.13	13.403	15.982	41.996	12.44	0.01244
9	20	19	0	0	12.9	0.2	0.13	0	12.9	0	0	0
9	20	20	0	0	12.5	0.2	0.13	0	12.5	0	0	0
9	20	21	0	0	11.9	0.2	0.13	0	11.9	0	0	0
9	20	22	0	0	11.2	0.2	0.13	0	11.2	0	0	0
9	20	23	0	0	10.9	0.2	0.13	0	10.9	0	0	0
9	21	0	0	0	10.4	0.2	0.13	0	10.4	0	0	0
9	21	1	0	0	9.8	0.2	0.13	0	9.8	0	0	0
9	21	2	0	0	9.2	0.2	0.13	0	9.2	0	0	0
9	21	3	0	0	8.9	0.2	0.13	0	8.9	0	0	0
9	21	4	0	0	8.5	0.2	0.13	0	8.5	0	0	0
9	21	5	0	0	8.1	0.2	0.13	0	8.1	0	0	0
9	21	6	94	10	8.8	0.3	0.13	10.296	9.173	35.503	6.177	0.006177
9	21	7	591	49	11.4	0.3	0.13	200.444	19.714	1061.331	995.655	0.995655

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	21	8	782	68	15.1	0.4	0.13	450.075	33.967	2655.162	2533.011	2.533011
9	21	9	864	84	18.5	0.4	0.13	679.303	46.978	3818.328	3654.961	3.654961
9	21	10	902	97	20.9	0.4	0.13	852.951	56.577	4562.594	4372.856	4.372856
9	21	11	931	100	22.5	0.4	0.13	969.271	62.99	5009.834	4804.248	4.804248
9	21	12	925	110	23.6	0.3	0.13	1005.496	66.878	5094.744	4886.149	4.886149
9	21	13	900	117	24.3	0.3	0.13	960.926	65.673	4905.062	4703.188	4.703188
9	21	14	879	108	24.5	0.3	0.13	854.049	61.319	4471.62	4285.105	4.285105
9	21	15	830	97	24.1	0.3	0.13	674.48	53.242	3689.051	3530.265	3.530265
9	21	16	734	81	22.6	0.2	0.13	445.871	42.485	2542.064	2423.92	2.42392
9	21	17	544	56	18.9	0.4	0.13	199.414	26.959	1039.826	974.913	0.974913
9	21	18	78	10	16.2	0.6	0.13	10.597	16.546	34.338	5.053	0.005053
9	21	19	0	0	13.2	0.3	0.13	0	13.2	0	0	0
9	21	20	0	0	12.3	0.2	0.13	0	12.3	0	0	0
9	21	21	0	0	11.4	0.2	0.13	0	11.4	0	0	0
9	21	22	0	0	10.6	0.2	0.13	0	10.6	0	0	0
9	21	23	0	0	10	0.4	0.13	0	10	0	0	0
9	22	0	0	0	9.6	0.7	0.13	0	9.6	0	0	0
9	22	1	0	0	9.3	0.8	0.13	0	9.3	0	0	0
9	22	2	0	0	8.9	0.8	0.13	0	8.9	0	0	0
9	22	3	0	0	8.3	0.8	0.13	0	8.3	0	0	0
9	22	4	0	0	7.8	0.8	0.13	0	7.8	0	0	0
9	22	5	0	0	7.6	0.8	0.13	0	7.6	0	0	0
9	22	6	63	9	8.7	0.5	0.13	9.107	9.013	31.749	2.556	0.002556
9	22	7	501	57	11.4	0.2	0.13	186.272	19.399	995.603	932.257	0.932257
9	22	8	698	87	15.3	0.1	0.13	430.739	35.134	2525.079	2407.537	2.407537
9	22	9	777	109	19.6	0.1	0.13	647.303	49.405	3597.084	3441.557	3.441557
9	22	10	825	125	22.1	0.2	0.13	824.408	58.769	4364.692	4181.966	4.181966
9	22	11	531	255	23.1	0.1	0.13	776.395	58.67	4071.682	3899.338	3.899338
9	22	12	489	287	23.9	0.1	0.13	789.922	60.063	4106.272	3932.702	3.932702
9	22	13	762	170	24.5	0.2	0.13	901.171	64.514	4618.958	4427.222	4.427222
9	22	14	449	251	24.5	0.2	0.13	650.935	53.4	3502.853	3350.665	3.350665
9	22	15	313	216	24	0.2	0.13	441.997	43.658	2481.034	2365.053	2.365053
9	22	16	423	126	22.7	0.3	0.13	340.087	37.386	1961.182	1863.621	1.863621
9	22	17	266	70	20.6	0.6	0.13	141.623	26.055	757.248	702.348	0.702348
9	22	18	7	6	19.6	0.8	0.13	5.878	19.788	19.526	0	0
9	22	19	0	0	16.5	0.9	0.13	0	16.5	0	0	0
9	22	20	0	0	14.9	0.6	0.13	0	14.9	0	0	0
9	22	21	0	0	14.2	0.3	0.13	0	14.2	0	0	0
9	22	22	0	0	13.7	0.2	0.13	0	13.7	0	0	0
9	22	23	0	0	13.1	0.2	0.13	0	13.1	0	0	0
9	23	0	0	0	12.6	0.2	0.13	0	12.6	0	0	0
9	23	1	0	0	12	0.2	0.13	0	12	0	0	0
9	23	2	0	0	11.4	0.2	0.13	0	11.4	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	23	3	0	0	11	0.2	0.13	0	11	0	0	0
9	23	4	0	0	10.5	0.2	0.13	0	10.5	0	0	0
9	23	5	0	0	10.1	0.2	0.13	0	10.1	0	0	0
9	23	6	0	5	11.1	0.2	0.13	4.849	11.286	16.852	0	0
9	23	7	244	70	13.7	0.2	0.13	132.678	19.46	726.668	672.851	0.672851
9	23	8	367	131	17.2	0.2	0.13	317.385	31.338	1870.508	1776.161	1.776161
9	23	9	586	166	21.3	0.2	0.13	577.907	47.042	3230.497	3087.96	3.08796
9	23	10	219	298	23.9	0.2	0.13	493.471	45.778	2719.348	2594.923	2.594923
9	23	11	122	334	24.7	0.2	0.13	465.993	45.312	2548.473	2430.103	2.430103
9	23	12	162	361	24.8	0.2	0.13	537.894	48.59	2907.296	2776.211	2.776211
9	23	13	327	314	24.6	0.2	0.13	642.481	53.066	3436.17	3286.345	3.286345
9	23	14	107	300	24.5	0.2	0.13	394.736	41.983	2191.477	2085.757	2.085757
9	23	15	13	183	23.9	0.2	0.13	186.342	32.162	1057.479	991.941	0.991941
9	23	16	8	125	22.1	0.2	0.13	124.436	27.633	716.219	662.772	0.662772
9	23	17	16	68	19.4	0.1	0.13	69.377	22.571	391.137	349.209	0.349209
9	23	18	1	4	18	0.2	0.13	3.885	18.149	12.839	0	0
9	23	19	0	0	16.6	0.2	0.13	0	16.6	0	0	0
9	23	20	0	0	16.1	0.2	0.13	0	16.1	0	0	0
9	23	21	0	0	15.5	0.2	0.13	0	15.5	0	0	0
9	23	22	0	0	14.9	0.2	0.13	0	14.9	0	0	0
9	23	23	0	0	14.5	0.2	0.13	0	14.5	0	0	0
9	24	0	0	0	14.1	0.2	0.13	0	14.1	0	0	0
9	24	1	0	0	13.6	0.2	0.13	0	13.6	0	0	0
9	24	2	0	0	13.2	0.2	0.13	0	13.2	0	0	0
9	24	3	0	0	13	0.3	0.13	0	13	0	0	0
9	24	4	0	0	13	0.5	0.13	0	13	0	0	0
9	24	5	0	0	13.3	0.6	0.13	0	13.3	0	0	0
9	24	6	0	2	14.1	0.5	0.13	1.94	14.168	6.325	0	0
9	24	7	15	60	16	0.2	0.13	62.356	18.759	355.41	314.749	0.314749
9	24	8	55	135	19.5	0.1	0.13	160.196	26.861	935.842	874.614	0.874614
9	24	9	476	184	22.9	0.2	0.13	523.218	46.196	2926.681	2794.909	2.794909
9	24	10	57	267	24.6	0.3	0.13	318.261	38.254	1781.218	1690.035	1.690035
9	24	11	125	346	25.4	0.3	0.13	482.038	46.065	2630.073	2508.811	2.508811
9	24	12	547	258	25.8	0.3	0.13	811.763	60.687	4215.497	4038.057	4.038057
9	24	13	480	263	26	0.3	0.13	736.784	57.67	3879.667	3714.127	3.714127
9	24	14	398	235	25.8	0.3	0.13	590.195	51.197	3203.978	3062.381	3.062381
9	24	15	687	125	25.2	0.3	0.13	603.726	51.28	3324.657	3178.783	3.178783
9	24	16	582	100	24	0.3	0.13	387.461	40.734	2211.749	2105.31	2.10531
9	24	17	379	63	21	0.2	0.13	159.961	27.89	829.492	772.032	0.772032
9	24	18	24	5	18.9	0.2	0.13	4.849	19.086	16.156	0	0
9	24	19	0	0	16.3	0.2	0.13	0	16.3	0	0	0
9	24	20	0	0	15.6	0.2	0.13	0	15.6	0	0	0
9	24	21	0	0	14.8	0.2	0.13	0	14.8	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	24	22	0	0	14.2	0.2	0.13	0	14.2	0	0	0
9	24	23	0	0	13.8	0.3	0.13	0	13.8	0	0	0
9	25	0	0	0	13.4	0.3	0.13	0	13.4	0	0	0
9	25	1	0	0	13.1	0.2	0.13	0	13.1	0	0	0
9	25	2	0	0	13.3	0.2	0.13	0	13.3	0	0	0
9	25	3	0	0	13.8	0.1	0.13	0	13.8	0	0	0
9	25	4	0	0	13.7	0.1	0.13	0	13.7	0	0	0
9	25	5	0	0	13.3	0.1	0.13	0	13.3	0	0	0
9	25	6	0	2	13.8	0.2	0.13	1.94	13.874	6.335	0	0
9	25	7	302	63	16.1	0.3	0.13	142.161	22.056	760.952	705.921	0.705921
9	25	8	644	84	19.6	0.3	0.13	400.656	36.908	2327.469	2216.93	2.21693
9	25	9	663	122	22.7	0.3	0.13	585.087	47.975	3266.621	3122.804	3.122804
9	25	10	311	272	24.6	0.4	0.13	549.745	47.534	3021.797	2886.655	2.886655
9	25	11	425	289	26.1	0.3	0.13	714.156	56.787	3770.357	3608.69	3.60869
9	25	12	858	113	27.2	0.3	0.13	938.031	67.582	4746.082	4549.841	4.549841
9	25	13	862	104	27.9	0.3	0.13	903.347	66.808	4597.034	4406.075	4.406075
9	25	14	833	99	28	0.3	0.13	796.766	62.362	4159.471	3984.016	3.984016
9	25	15	772	92	27.5	0.3	0.13	620.342	54.313	3379.938	3232.105	3.232105
9	25	16	599	88	26.4	0.2	0.13	380.9	43.373	2148.726	2044.52	2.04452
9	25	17	436	54	23.9	0.3	0.13	164.28	30.723	828.732	771.299	0.771299
9	25	18	29	5	22.1	0.5	0.13	0	22.1	0	0	0
9	25	19	0	0	20.1	0.2	0.13	0	20.1	0	0	0
9	25	20	0	0	19.8	0.2	0.13	0	19.8	0	0	0
9	25	21	0	0	19	0.2	0.13	0	19	0	0	0
9	25	22	0	0	17.9	0.2	0.13	0	17.9	0	0	0
9	25	23	0	0	16.9	0.1	0.13	0	16.9	0	0	0
9	26	0	0	0	16.1	0.1	0.13	0	16.1	0	0	0
9	26	1	0	0	15.3	0.1	0.13	0	15.3	0	0	0
9	26	2	0	0	14.8	0.1	0.13	0	14.8	0	0	0
9	26	3	0	0	14.4	0.1	0.13	0	14.4	0	0	0
9	26	4	0	0	14.2	0.1	0.13	0	14.2	0	0	0
9	26	5	0	0	14	0.1	0.13	0	14	0	0	0
9	26	6	35	5	15.1	0.2	0.13	4.849	15.286	16.496	0	0
9	26	7	453	55	18.1	0.2	0.13	171.571	25.461	889.658	830.066	0.830066
9	26	8	648	86	21.7	0.3	0.13	404.167	39.159	2326.353	2215.853	2.215853
9	26	9	468	164	24.6	0.3	0.13	495.937	46.006	2776.908	2650.443	2.650443
9	26	10	226	285	26.3	0.3	0.13	485.014	47.147	2659.743	2537.429	2.537429
9	26	11	183	347	27.6	0.4	0.13	536.067	49.909	2889.98	2759.508	2.759508
9	26	12	85	339	28.5	0.4	0.13	429.761	46.361	2330.464	2219.818	2.219818
9	26	13	43	290	28.9	0.4	0.13	335.617	42.847	1835.262	1742.164	1.742164
9	26	14	80	273	28.9	0.5	0.13	343.573	42.791	1894.315	1799.124	1.799124
9	26	15	83	200	28.3	0.5	0.13	256.277	38.689	1439.053	1359.994	1.359994
9	26	16	442	115	26.9	0.4	0.13	332.086	40.805	1883.477	1788.67	1.78867

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	26	17	371	58	23.8	0.3	0.13	150.493	30.061	762.858	707.759	0.707759
9	26	18	20	3	21.7	0.2	0.13	0	21.7	0	0	0
9	26	19	0	0	19.8	0.2	0.13	0	19.8	0	0	0
9	26	20	0	0	19	0.2	0.13	0	19	0	0	0
9	26	21	0	0	18.2	0.2	0.13	0	18.2	0	0	0
9	26	22	0	0	17.6	0.2	0.13	0	17.6	0	0	0
9	26	23	0	0	17	0.2	0.13	0	17	0	0	0
9	27	0	0	0	16.5	0.2	0.13	0	16.5	0	0	0
9	27	1	0	0	16	0.2	0.13	0	16	0	0	0
9	27	2	0	0	15.6	0.2	0.13	0	15.6	0	0	0
9	27	3	0	0	15.4	0.2	0.13	0	15.4	0	0	0
9	27	4	0	0	15.1	0.2	0.13	0	15.1	0	0	0
9	27	5	0	0	14.9	0.2	0.13	0	14.9	0	0	0
9	27	6	30	6	15.6	0.2	0.13	0	15.6	0	0	0
9	27	7	441	54	17.9	0.4	0.13	167.423	24.651	869.326	810.455	0.810455
9	27	8	652	85	21	0.5	0.13	404.448	37.455	2344.1	2232.971	2.232971
9	27	9	113	223	23.5	0.6	0.13	308.436	35.652	1765.406	1674.782	1.674782
9	27	10	206	280	25.1	0.6	0.13	463.282	43.325	2578.99	2459.538	2.459538
9	27	11	58	301	26.4	0.6	0.13	361.384	40.574	2001.206	1902.227	1.902227
9	27	12	207	343	27.4	0.6	0.13	560.182	49.394	3027.497	2892.152	2.892152
9	27	13	263	314	28	0.6	0.13	582.553	50.894	3140.659	3001.305	3.001305
9	27	14	803	115	28	0.5	0.13	785.48	59.907	4145.805	3970.835	3.970835
9	27	15	733	107	27.6	0.5	0.13	607.865	52.346	3339.229	3192.839	3.192839
9	27	16	609	90	26.5	0.4	0.13	383.609	42.564	2168.524	2063.616	2.063616
9	27	17	380	57	24.1	0.3	0.13	150.342	30.342	756.178	701.316	0.701316
9	27	18	11	2	22.4	0.2	0.13	0	22.4	0	0	0
9	27	19	0	0	21	0.2	0.13	0	21	0	0	0
9	27	20	0	0	20	0.2	0.13	0	20	0	0	0
9	27	21	0	0	19.1	0.2	0.13	0	19.1	0	0	0
9	27	22	0	0	18.4	0.2	0.13	0	18.4	0	0	0
9	27	23	0	0	18	0.2	0.13	0	18	0	0	0
9	28	0	0	0	17.6	0.2	0.13	0	17.6	0	0	0
9	28	1	0	0	17.2	0.2	0.13	0	17.2	0	0	0
9	28	2	0	0	17.5	0.2	0.13	0	17.5	0	0	0
9	28	3	0	0	18	0.2	0.13	0	18	0	0	0
9	28	4	0	0	18.1	0.2	0.13	0	18.1	0	0	0
9	28	5	0	0	18.1	0.2	0.13	0	18.1	0	0	0
9	28	6	0	2	18.1	0.2	0.13	0	18.1	0	0	0
9	28	7	0	29	18.7	0.3	0.13	27.426	19.878	150.865	117.451	0.117451
9	28	8	119	96	19.9	0.4	0.13	153.848	26.339	901.815	841.793	0.841793
9	28	9	185	224	21.3	0.5	0.13	357.275	35.797	2057.882	1956.895	1.956895
9	28	10	27	231	22.8	0.6	0.13	255.934	32.848	1454.41	1374.807	1.374807
9	28	11	45	289	23.6	0.6	0.13	336.764	36.807	1890.005	1794.966	1.794966

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	28	12	1	121	23.5	0.6	0.13	116.515	28.063	650.226	599.118	0.599118
9	28	13	0	81	22.9	0.6	0.13	76.921	25.914	426.38	383.204	0.383204
9	28	14	0	97	21.3	0.6	0.13	92.165	24.917	519.96	473.467	0.473467
9	28	15	0	83	18.6	0.6	0.13	78.728	21.697	451.578	407.509	0.407509
9	28	16	0	14	15.8	0.6	0.13	13.23	16.322	72.444	41.809	0.041809
9	28	17	199	44	14	0.6	0.13	94.555	17.612	501.071	455.248	0.455248
9	28	18	7	1	13.5	0.5	0.13	0	13.5	0	0	0
9	28	19	0	0	12.7	0.2	0.13	0	12.7	0	0	0
9	28	20	0	0	11.8	0.1	0.13	0	11.8	0	0	0
9	28	21	0	0	11.2	0.1	0.13	0	11.2	0	0	0
9	28	22	0	0	11.1	0.1	0.13	0	11.1	0	0	0
9	28	23	0	0	10.9	0.1	0.13	0	10.9	0	0	0
9	29	0	0	0	10.4	0.1	0.13	0	10.4	0	0	0
9	29	1	0	0	9.9	0.1	0.13	0	9.9	0	0	0
9	29	2	0	0	9.3	0.1	0.13	0	9.3	0	0	0
9	29	3	0	0	8.7	0.1	0.13	0	8.7	0	0	0
9	29	4	0	0	8.3	0.1	0.13	0	8.3	0	0	0
9	29	5	0	0	8.1	0.2	0.13	0	8.1	0	0	0
9	29	6	23	4	8.9	0.2	0.13	0	8.9	0	0	0
9	29	7	493	49	11.2	0.1	0.13	174.253	18.891	916.434	855.893	0.855893
9	29	8	450	108	14.5	0.1	0.13	330.82	29.724	1965.739	1868.017	1.868017
9	29	9	629	133	17.4	0.2	0.13	571.61	42.881	3260.148	3116.56	3.11656
9	29	10	59	263	19.1	0.2	0.13	316.455	33.115	1811.462	1719.207	1.719207
9	29	11	25	257	20.1	0.2	0.13	284.341	32.668	1614.009	1528.75	1.52875
9	29	12	8	206	20.6	0.3	0.13	207.443	29.479	1177.614	1107.819	1.107819
9	29	13	36	227	19.9	0.3	0.13	262.085	31.131	1495.526	1414.465	1.414465
9	29	14	47	239	18.5	0.2	0.13	280.539	30.924	1614.799	1529.512	1.529512
9	29	15	480	166	17.7	0.3	0.13	498.901	39.242	2877.472	2747.444	2.747444
9	29	16	146	115	16.9	0.2	0.13	184.433	25.107	1091.974	1025.213	1.025213
9	29	17	0	42	15.1	0.2	0.13	39.954	16.868	225.306	189.254	0.189254
9	29	18	0	1	13.7	0.1	0.13	0	13.7	0	0	0
9	29	19	0	0	12.2	0.2	0.13	0	12.2	0	0	0
9	29	20	0	0	11.8	0.2	0.13	0	11.8	0	0	0
9	29	21	0	0	11.2	0.2	0.13	0	11.2	0	0	0
9	29	22	0	0	10.6	0.2	0.13	0	10.6	0	0	0
9	29	23	0	0	9.9	0.2	0.13	0	9.9	0	0	0
9	30	0	0	0	9.2	0.2	0.13	0	9.2	0	0	0
9	30	1	0	0	8.8	0.2	0.13	0	8.8	0	0	0
9	30	2	0	0	8.5	0.2	0.13	0	8.5	0	0	0
9	30	3	0	0	8.2	0.2	0.13	0	8.2	0	0	0
9	30	4	0	0	8	0.2	0.13	0	8	0	0	0
9	30	5	0	0	8	0.3	0.13	0	8	0	0	0
9	30	6	21	4	8.5	0.4	0.13	0	8.5	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
9	30	7	507	46	10.1	0.5	0.13	174.177	16.882	918.345	857.736	0.857736
9	30	8	736	66	13.4	0.7	0.13	420.373	29.564	2516.863	2399.613	2.399613
9	30	9	838	75	17.2	0.8	0.13	639.893	41.175	3692.517	3533.609	3.533609
9	30	10	879	84	20.1	0.9	0.13	807.872	49.514	4466.602	4280.264	4.280264
9	30	11	894	92	21.9	0.9	0.13	911.636	55.047	4894.029	4692.547	4.692547
9	30	12	852	115	23.1	0.8	0.13	924.93	57.608	4899.162	4697.497	4.697497
9	30	13	603	210	24.1	0.7	0.13	786.699	54.236	4222.4	4044.716	4.044716
9	30	14	422	211	24.3	0.7	0.13	577.568	46.441	3207.973	3066.234	3.066234
9	30	15	237	209	23.9	0.6	0.13	379.419	38.873	2167.842	2062.959	2.062959
9	30	16	554	89	23.1	0.5	0.13	351.851	37.396	2022.698	1922.958	1.922958
9	30	17	0	27	21.4	0.3	0.13	25.534	22.494	137.144	104.216	0.104216
9	30	18	0	0	20.2	0.2	0.13	0	20.2	0	0	0
9	30	19	0	0	10	0.3	0.12	0	10	0	0	0
9	30	20	0	0	8	0.3	0.12	0	8	0	0	0
9	30	21	0	0	8	0.3	0.12	0	8	0	0	0
9	30	22	0	0	7	0.3	0.12	0	7	0	0	0
9	30	23	0	0	7	0.3	0.12	0	7	0	0	0
10	1	0	0	0	6	0.3	0.12	0	6	0	0	0
10	1	1	0	0	6	0.3	0.12	0	6	0	0	0
10	1	2	0	0	5	0.4	0.12	0	5	0	0	0
10	1	3	0	0	5	0.3	0.12	0	5	0	0	0
10	1	4	0	0	5	0.3	0.12	0	5	0	0	0
10	1	5	0	0	4	0.3	0.12	0	4	0	0	0
10	1	6	0	0	4	0.3	0.12	0	4	0	0	0
10	1	7	0	35	5	0.4	0.12	33.114	6.379	194.418	159.461	0.159461
10	1	8	0	35	7	0.5	0.12	33.101	8.344	195.921	160.911	0.160911
10	1	9	0	157	8	0.5	0.12	152.021	14.155	922.443	861.689	0.861689
10	1	10	0	132	9	0.5	0.12	126.419	14.106	755.417	700.582	0.700582
10	1	11	29	282	10	0.5	0.12	315.247	22.722	1868.467	1774.192	1.774192
10	1	12	34	301	11	0.6	0.12	341.322	24.38	2011.263	1911.928	1.911928
10	1	13	0	113	12	0.6	0.12	107.728	16.222	631.399	580.958	0.580958
10	1	14	0	104	12	0.6	0.12	98.956	15.884	582.168	533.472	0.533472
10	1	15	0	148	12	0.5	0.12	143.055	17.793	854.681	796.329	0.796329
10	1	16	640	84	11	0.4	0.12	382.821	27.017	2297.156	2187.691	2.187691
10	1	17	393	51	10	0.3	0.12	142.877	15.882	741.324	686.988	0.686988
10	1	18	0	0	9	0.2	0.12	0	9	0	0	0
10	1	19	0	0	8	0.2	0.12	0	8	0	0	0
10	1	20	0	0	7	0.2	0.12	0	7	0	0	0
10	1	21	0	0	6	0.2	0.12	0	6	0	0	0
10	1	22	0	0	5	0.2	0.12	0	5	0	0	0
10	1	23	0	0	4	0.2	0.12	0	4	0	0	0
10	2	0	0	0	4	0.2	0.12	0	4	0	0	0
10	2	1	0	0	3	0.2	0.12	0	3	0	0	0

Month	Day	Hour	Beam Irradiance (W/m ²)	Diffuse Irradiance (W/m ²)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m ²)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	2	2	0	0	3	0.2	0.12	0	3	0	0	0
10	2	3	0	0	2	0.2	0.12	0	2	0	0	0
10	2	4	0	0	2	0.2	0.12	0	2	0	0	0
10	2	5	0	0	2	0.2	0.12	0	2	0	0	0
10	2	6	0	0	2	0.2	0.12	0	2	0	0	0
10	2	7	498	46	4	0.3	0.12	171.311	11.075	920.561	859.873	0.859873
10	2	8	735	69	7	0.4	0.12	421.469	24.659	2570.854	2451.69	2.45169
10	2	9	843	81	10	0.5	0.12	650.811	36.512	3827.833	3664.13	3.66413
10	2	10	891	92	12	0.6	0.12	823.232	44.516	4647.946	4455.183	4.455183
10	2	11	923	95	14	0.6	0.12	936.972	50.961	5119.278	4909.814	4.909814
10	2	12	556	247	15	0.6	0.12	799.109	46.456	4421.481	4236.742	4.236742
10	2	13	938	85	16	0.6	0.12	933.139	52.816	5062.159	4854.718	4.854718
10	2	14	909	81	16	0.6	0.12	814.149	48.167	4533.279	4344.579	4.344579
10	2	15	855	73	16	0.5	0.12	631.412	41.731	3641.534	3484.432	3.484432
10	2	16	736	63	15	0.4	0.12	399.486	31.71	2353.093	2241.646	2.241646
10	2	17	493	39	12	0.2	0.12	150.744	18.336	751.258	696.57	0.69657
10	2	18	0	0	10	0.2	0.12	0	10	0	0	0
10	2	19	0	0	9	0.2	0.12	0	9	0	0	0
10	2	20	0	0	9	0.2	0.12	0	9	0	0	0
10	2	21	0	0	8	0.2	0.12	0	8	0	0	0
10	2	22	0	0	7	0.2	0.12	0	7	0	0	0
10	2	23	0	0	7	0.2	0.12	0	7	0	0	0
10	3	0	0	0	6	0.2	0.12	0	6	0	0	0
10	3	1	0	0	6	0.1	0.12	0	6	0	0	0
10	3	2	0	0	6	0.1	0.12	0	6	0	0	0
10	3	3	0	0	5	0.1	0.12	0	5	0	0	0
10	3	4	0	0	5	0.1	0.12	0	5	0	0	0
10	3	5	0	0	5	0.1	0.12	0	5	0	0	0
10	3	6	0	0	5	0.1	0.12	0	5	0	0	0
10	3	7	141	59	7	0.2	0.12	96.721	11.205	543.634	496.303	0.496303
10	3	8	706	69	9	0.2	0.12	407.301	27.151	2458.295	2343.12	2.34312
10	3	9	821	79	13	0.2	0.12	632.988	41.25	3653.34	3495.82	3.49582
10	3	10	868	89	16	0.3	0.12	799.86	50.52	4406.995	4222.769	4.222769
10	3	11	890	97	17	0.4	0.12	907.804	54.955	4879.224	4678.266	4.678266
10	3	12	896	101	18	0.4	0.12	943.421	57.428	5006.84	4801.36	4.80136
10	3	13	894	96	19	0.4	0.12	903.971	56.799	4822.403	4623.458	4.623458
10	3	14	864	91	19	0.4	0.12	787.166	51.961	4313.963	4133.034	4.133034
10	3	15	805	81	19	0.3	0.12	609.101	45.352	3459.194	3308.553	3.308553
10	3	16	695	65	18	0.2	0.12	381.227	34.957	2211.707	2105.27	2.10527
10	3	17	453	39	15	0.5	0.12	140.784	20.398	692.448	639.844	0.639844
10	3	18	0	0	13	1	0.12	0	13	0	0	0
10	3	19	0	0	13	1.1	0.12	0	13	0	0	0
10	3	20	0	0	12	1	0.12	0	12	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	3	21	0	0	12	1	0.12	0	12	0	0	0
10	3	22	0	0	11	1	0.12	0	11	0	0	0
10	3	23	0	0	11	1	0.12	0	11	0	0	0
10	4	0	0	0	10	0.9	0.12	0	10	0	0	0
10	4	1	0	0	10	0.9	0.12	0	10	0	0	0
10	4	2	0	0	10	0.8	0.12	0	10	0	0	0
10	4	3	0	0	9	0.8	0.12	0	9	0	0	0
10	4	4	0	0	8	0.9	0.12	0	8	0	0	0
10	4	5	0	0	8	0.9	0.12	0	8	0	0	0
10	4	6	0	0	8	0.6	0.12	0	8	0	0	0
10	4	7	483	42	10	0.2	0.12	162.906	16.927	848.379	790.25	0.79025
10	4	8	705	66	14	0.1	0.12	402.806	32.539	2378.972	2266.608	2.266608
10	4	9	806	81	17	0.1	0.12	624.248	45.777	3536.655	3383.269	3.383269
10	4	10	856	92	19	0.2	0.12	792.046	54.272	4295.693	4115.412	4.115412
10	4	11	878	99	21	0.2	0.12	897.425	60.912	4701.516	4506.855	4.506855
10	4	12	883	102	22	0.2	0.12	930.344	63.359	4812.216	4613.632	4.613632
10	4	13	881	95	22	0.2	0.12	888.841	61.536	4646.595	4453.88	4.45388
10	4	14	848	91	22	0.2	0.12	771.949	56.385	4152.483	3977.276	3.977276
10	4	15	785	82	22	0.2	0.12	594.957	48.561	3333.871	3187.671	3.187671
10	4	16	667	67	21	0.2	0.12	369.779	37.442	2119.722	2016.544	2.016544
10	4	17	416	39	18	0.5	0.12	131.717	23.047	637.812	587.144	0.587144
10	4	18	0	0	16	0.9	0.12	0	16	0	0	0
10	4	19	0	0	15	1	0.12	0	15	0	0	0
10	4	20	0	0	14	1	0.12	0	14	0	0	0
10	4	21	0	0	14	1	0.12	0	14	0	0	0
10	4	22	0	0	13	1	0.12	0	13	0	0	0
10	4	23	0	0	12	0.9	0.12	0	12	0	0	0
10	5	0	0	0	11	0.8	0.12	0	11	0	0	0
10	5	1	0	0	10	0.7	0.12	0	10	0	0	0
10	5	2	0	0	9	0.7	0.12	0	9	0	0	0
10	5	3	0	0	9	0.7	0.12	0	9	0	0	0
10	5	4	0	0	9	0.7	0.12	0	9	0	0	0
10	5	5	0	0	9	0.8	0.12	0	9	0	0	0
10	5	6	0	0	9	0.6	0.12	0	9	0	0	0
10	5	7	408	48	11	0.2	0.12	151.212	17.452	792.311	736.168	0.736168
10	5	8	643	80	15	0	0.12	389.796	33.535	2289.81	2180.605	2.180605
10	5	9	758	97	19	0	0.12	609.415	48.025	3417.716	3268.545	3.268545
10	5	10	810	112	22	0	0.12	781.278	59.127	4146.294	3971.307	3.971307
10	5	11	834	121	23	0.1	0.12	887.55	63.763	4588.715	4398.051	4.398051
10	5	12	835	126	24	0.1	0.12	917.962	66.142	4686.627	4492.493	4.492493
10	5	13	849	111	25	0.1	0.12	882.46	65.538	4529.809	4341.232	4.341232
10	5	14	814	105	25	0.1	0.12	763.396	60.118	4038.415	3867.25	3.86725
10	5	15	746	94	25	0.1	0.12	582.68	51.866	3217.543	3075.465	3.075465

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	5	16	616	77	24	0.2	0.12	356.519	39.848	2019.51	1919.883	1.919883
10	5	17	349	43	21	0.7	0.12	120.806	25.388	582.657	533.944	0.533944
10	5	18	0	0	18	0.9	0.12	0	18	0	0	0
10	5	19	0	0	16	0.7	0.12	0	16	0	0	0
10	5	20	0	0	15	0.3	0.12	0	15	0	0	0
10	5	21	0	0	14	0.2	0.12	0	14	0	0	0
10	5	22	0	0	13	0.2	0.12	0	13	0	0	0
10	5	23	0	0	13	0.2	0.12	0	13	0	0	0
10	6	0	0	0	12	0.2	0.12	0	12	0	0	0
10	6	1	0	0	12	0.2	0.12	0	12	0	0	0
10	6	2	0	0	11	0.2	0.12	0	11	0	0	0
10	6	3	0	0	11	0.2	0.12	0	11	0	0	0
10	6	4	0	0	11	0.2	0.12	0	11	0	0	0
10	6	5	0	0	10	0.1	0.12	0	10	0	0	0
10	6	6	0	0	11	0.1	0.12	0	11	0	0	0
10	6	7	195	53	13	0.2	0.12	102.848	17.437	550.688	503.107	0.503107
10	6	8	681	71	17	0.2	0.12	396.563	34.667	2319.573	2209.313	2.209313
10	6	9	795	86	20	0.2	0.12	620.209	47.683	3486.802	3335.183	3.335183
10	6	10	863	90	23	0.2	0.12	792.107	58.281	4224.812	4047.042	4.047042
10	6	11	889	95	24	0.2	0.12	898.7	63.976	4647.648	4454.896	4.454896
10	6	12	893	98	25	0.2	0.12	930.403	66.37	4751.168	4554.747	4.554747
10	6	13	822	123	26	0.3	0.12	869.782	63.489	4506.051	4318.315	4.318315
10	6	14	783	117	26	0.3	0.12	749.92	58.368	3997.158	3827.455	3.827455
10	6	15	712	104	25	0.3	0.12	570.203	49.667	3176.792	3036.157	3.036157
10	6	16	572	84	22	0.2	0.12	343.113	37.249	1960.761	1863.216	1.863216
10	6	17	295	44	19	0.2	0.12	109.431	23.615	532.215	485.289	0.485289
10	6	18	0	0	16	0.2	0.12	0	16	0	0	0
10	6	19	0	0	15	0.2	0.12	0	15	0	0	0
10	6	20	0	0	15	0.2	0.12	0	15	0	0	0
10	6	21	0	0	14	0.2	0.12	0	14	0	0	0
10	6	22	0	0	14	0.2	0.12	0	14	0	0	0
10	6	23	0	0	13	0.2	0.12	0	13	0	0	0
10	7	0	0	0	12	0.2	0.12	0	12	0	0	0
10	7	1	0	0	12	0.2	0.12	0	12	0	0	0
10	7	2	0	0	11	0.1	0.12	0	11	0	0	0
10	7	3	0	0	11	0.1	0.12	0	11	0	0	0
10	7	4	0	0	10	0.1	0.12	0	10	0	0	0
10	7	5	0	0	10	0.1	0.12	0	10	0	0	0
10	7	6	0	0	11	0.1	0.12	0	11	0	0	0
10	7	7	346	52	13	0.2	0.12	139.533	18.966	729.078	675.176	0.675176
10	7	8	609	87	17	0.2	0.12	380.276	33.939	2227.209	2120.222	2.120222
10	7	9	737	105	20	0.2	0.12	604.257	46.965	3403.827	3255.148	3.255148
10	7	10	815	111	23	0.3	0.12	781.034	56.708	4191.642	4015.047	4.015047

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	7	11	849	116	25	0.3	0.12	891.412	63.422	4619.035	4427.296	4.427296
10	7	12	861	116	26	0.3	0.12	926.05	65.901	4737.095	4541.173	4.541173
10	7	13	867	105	27	0.3	0.12	886.437	65.217	4560.596	4370.928	4.370928
10	7	14	834	98	27	0.3	0.12	765.96	60.071	4056.918	3885.097	3.885097
10	7	15	768	88	26	0.3	0.12	583.258	51.241	3233.073	3090.445	3.090445
10	7	16	642	70	23	0.2	0.12	355.915	38.811	2019.586	1919.956	1.919956
10	7	17	376	38	20	0.2	0.12	118.843	24.956	557.733	509.903	0.509903
10	7	18	0	0	17	0.2	0.12	0	17	0	0	0
10	7	19	0	0	16	0.2	0.12	0	16	0	0	0
10	7	20	0	0	15	0.2	0.12	0	15	0	0	0
10	7	21	0	0	14	0.2	0.12	0	14	0	0	0
10	7	22	0	0	14	0.2	0.12	0	14	0	0	0
10	7	23	0	0	13	0.2	0.12	0	13	0	0	0
10	8	0	0	0	13	0.2	0.12	0	13	0	0	0
10	8	1	0	0	12	0.2	0.12	0	12	0	0	0
10	8	2	0	0	12	0.2	0.12	0	12	0	0	0
10	8	3	0	0	12	0.2	0.12	0	12	0	0	0
10	8	4	0	0	12	0.2	0.12	0	12	0	0	0
10	8	5	0	0	12	0.2	0.12	0	12	0	0	0
10	8	6	0	0	12	0.2	0.12	0	12	0	0	0
10	8	7	432	42	14	0.2	0.12	149.588	20.351	762.018	706.949	0.706949
10	8	8	670	70	17	0.3	0.12	388.813	33.784	2279.691	2170.844	2.170844
10	8	9	782	87	20	0.3	0.12	610.356	46.406	3450.904	3300.557	3.300557
10	8	10	843	96	23	0.2	0.12	784.765	57.956	4192.441	4015.818	4.015818
10	8	11	870	102	25	0.2	0.12	885.72	64.402	4573.84	4383.702	4.383702
10	8	12	875	105	26	0.1	0.12	917.221	68.129	4648.828	4456.034	4.456034
10	8	13	818	123	27	0.1	0.12	861.504	66.581	4404.336	4220.205	4.220205
10	8	14	783	115	27	0.1	0.12	742.82	61.177	3913.442	3746.705	3.746705
10	8	15	714	101	27	0.1	0.12	563.527	52.987	3097.334	2959.515	2.959515
10	8	16	588	78	25	0.2	0.12	339.749	40.089	1913.382	1817.516	1.817516
10	8	17	312	39	22	0.7	0.12	106.341	25.833	497.598	451.898	0.451898
10	8	18	0	0	18	0.7	0.12	0	18	0	0	0
10	8	19	0	0	16	0.3	0.12	0	16	0	0	0
10	8	20	0	0	15	0.2	0.12	0	15	0	0	0
10	8	21	0	0	14	0.2	0.12	0	14	0	0	0
10	8	22	0	0	13	0.2	0.12	0	13	0	0	0
10	8	23	0	0	12	0.2	0.12	0	12	0	0	0
10	9	0	0	0	11	0.2	0.12	0	11	0	0	0
10	9	1	0	0	11	0.2	0.12	0	11	0	0	0
10	9	2	0	0	10	0.2	0.12	0	10	0	0	0
10	9	3	0	0	10	0.2	0.12	0	10	0	0	0
10	9	4	0	0	9	0.2	0.12	0	9	0	0	0
10	9	5	0	0	9	0.2	0.12	0	9	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	9	6	0	0	10	0.2	0.12	0	10	0	0	0
10	9	7	376	41	12	0.2	0.12	135.453	17.756	696.885	644.124	0.644124
10	9	8	459	97	14	0.2	0.12	318.992	28.204	1901.428	1805.985	1.805985
10	9	9	309	195	17	0.2	0.12	412.814	35.385	2406.408	2293.071	2.293071
10	9	10	325	257	20	0.3	0.12	540.602	43.277	3037.726	2902.019	2.902019
10	9	11	239	316	22	0.3	0.12	550.306	45.645	3039.347	2903.583	2.903583
10	9	12	371	300	23	0.3	0.12	669.949	51.8	3618.381	3462.1	3.4621
10	9	13	357	286	24	0.3	0.12	627.508	50.989	3405.646	3256.903	3.256903
10	9	14	235	264	23	0.2	0.12	462.933	43.561	2589.049	2469.241	2.469241
10	9	15	338	178	22	0.2	0.12	402.699	39.947	2309.057	2199.17	2.19917
10	9	16	0	47	19	0.1	0.12	44.478	21.044	252.549	215.532	0.215532
10	9	17	0	36	17	0.1	0.12	34.874	18.576	186.284	151.615	0.151615
10	9	18	0	0	16	0.2	0.12	0	16	0	0	0
10	9	19	0	0	15	0.2	0.12	0	15	0	0	0
10	9	20	0	0	15	0.2	0.12	0	15	0	0	0
10	9	21	0	0	14	0.2	0.12	0	14	0	0	0
10	9	22	0	0	14	0.2	0.12	0	14	0	0	0
10	9	23	0	0	14	0.2	0.12	0	14	0	0	0
10	10	0	0	0	14	0.2	0.12	0	14	0	0	0
10	10	1	0	0	13	0.2	0.12	0	13	0	0	0
10	10	2	0	0	13	0.2	0.12	0	13	0	0	0
10	10	3	0	0	13	0.2	0.12	0	13	0	0	0
10	10	4	0	0	13	0.2	0.12	0	13	0	0	0
10	10	5	0	0	12	0.2	0.12	0	12	0	0	0
10	10	6	0	0	12	0.2	0.12	0	12	0	0	0
10	10	7	32	49	14	0.2	0.12	56.566	16.478	312.9	273.745	0.273745
10	10	8	293	119	16	0.2	0.12	261.938	27.661	1554.619	1471.464	1.471464
10	10	9	32	188	19	0.2	0.12	212.466	28.437	1237.991	1166.056	1.166056
10	10	10	398	238	22	0.3	0.12	576.416	46.833	3200.711	3059.229	3.059229
10	10	11	886	99	24	0.3	0.12	892.151	62.471	4650.031	4457.194	4.457194
10	10	12	897	100	25	0.3	0.12	926.665	64.945	4768.332	4571.303	4.571303
10	10	13	895	95	26	0.3	0.12	885.42	64.189	4583.379	4392.904	4.392904
10	10	14	864	89	26	0.3	0.12	770.772	59.292	4102.474	3929.039	3.929039
10	10	15	799	80	25	0.3	0.12	585.816	50.362	3264.606	3120.86	3.12086
10	10	16	679	62	22	0.2	0.12	356.15	37.803	2020.544	1920.88	1.92088
10	10	17	378	33	18	0.2	0.12	110.674	22.546	501.078	455.255	0.455255
10	10	18	0	0	16	0.2	0.12	0	16	0	0	0
10	10	19	0	0	16	0.2	0.12	0	16	0	0	0
10	10	20	0	0	15	0.2	0.12	0	15	0	0	0
10	10	21	0	0	15	0.2	0.12	0	15	0	0	0
10	10	22	0	0	14	0.2	0.12	0	14	0	0	0
10	10	23	0	0	13	0.2	0.12	0	13	0	0	0
10	11	0	0	0	13	0.2	0.12	0	13	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	11	1	0	0	13	0.2	0.12	0	13	0	0	0
10	11	2	0	0	12	0.2	0.12	0	12	0	0	0
10	11	3	0	0	12	0.2	0.12	0	12	0	0	0
10	11	4	0	0	12	0.2	0.12	0	12	0	0	0
10	11	5	0	0	11	0.2	0.12	0	11	0	0	0
10	11	6	0	0	11	0.2	0.12	0	11	0	0	0
10	11	7	0	28	13	0.2	0.12	26.482	14.168	146.476	113.218	0.113218
10	11	8	375	107	15	0.2	0.12	291.137	27.961	1731.125	1641.717	1.641717
10	11	9	347	185	18	0.2	0.12	425.446	36.956	2469.9	2354.314	2.354314
10	11	10	364	245	21	0.2	0.12	556.991	45.757	3103.991	2965.936	2.965936
10	11	11	544	219	23	0.3	0.12	730.468	54.453	3925.36	3758.201	3.758201
10	11	12	453	268	23	0.3	0.12	717.564	53.867	3851.731	3687.181	3.687181
10	11	13	386	274	22	0.3	0.12	637.438	49.427	3487.989	3336.328	3.336328
10	11	14	105	262	21	0.3	0.12	351.857	36.131	2009.45	1910.18	1.91018
10	11	15	179	194	20	0.2	0.12	315.123	34.03	1833.009	1739.99	1.73999
10	11	16	14	104	19	0.2	0.12	107.554	23.784	626.283	576.023	0.576023
10	11	17	219	35	17	0.2	0.12	82.196	20.414	382.606	340.98	0.34098
10	11	18	0	0	17	0.2	0.12	0	17	0	0	0
10	11	19	0	0	16	0.2	0.12	0	16	0	0	0
10	11	20	0	0	15	0.2	0.12	0	15	0	0	0
10	11	21	0	0	15	0.2	0.12	0	15	0	0	0
10	11	22	0	0	14	0.2	0.12	0	14	0	0	0
10	11	23	0	0	14	0.2	0.12	0	14	0	0	0
10	12	0	0	0	14	0.2	0.12	0	14	0	0	0
10	12	1	0	0	14	0.2	0.12	0	14	0	0	0
10	12	2	0	0	14	0.1	0.12	0	14	0	0	0
10	12	3	0	0	14	0.1	0.12	0	14	0	0	0
10	12	4	0	0	13	0.1	0.12	0	13	0	0	0
10	12	5	0	0	13	0.1	0.12	0	13	0	0	0
10	12	6	0	0	13	0.1	0.12	0	13	0	0	0
10	12	7	0	18	13	0.2	0.12	17.002	13.749	92.109	60.777	0.060777
10	12	8	0	26	15	0.2	0.12	24.574	16.093	138.865	105.877	0.105877
10	12	9	0	79	17	0.2	0.12	74.889	20.324	432.701	389.301	0.389301
10	12	10	0	129	18	0.2	0.12	123.756	23.48	713.675	660.318	0.660318
10	12	11	0	161	19	0.1	0.12	155.48	26.102	889.953	830.35	0.83035
10	12	12	0	141	20	0.1	0.12	135.427	26.183	769.702	714.36	0.71436
10	12	13	13	223	20	0.1	0.12	230.018	30.512	1313.576	1238.963	1.238963
10	12	14	0	151	20	0.1	0.12	145.947	26.678	837.045	779.317	0.779317
10	12	15	0	132	19	0.1	0.12	127.916	24.868	742.507	688.129	0.688129
10	12	16	0	66	18	0.1	0.12	62.876	20.889	362.672	321.753	0.321753
10	12	17	122	40	17	0.2	0.12	67.624	19.84	323.21	283.689	0.283689
10	12	18	0	0	16	0.3	0.12	0	16	0	0	0
10	12	19	0	0	15	0.2	0.12	0	15	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	12	20	0	0	14	0.1	0.12	0	14	0	0	0
10	12	21	0	0	13	0.1	0.12	0	13	0	0	0
10	12	22	0	0	13	0.1	0.12	0	13	0	0	0
10	12	23	0	0	12	0.1	0.12	0	12	0	0	0
10	13	0	0	0	12	0.1	0.12	0	12	0	0	0
10	13	1	0	0	12	0.1	0.12	0	12	0	0	0
10	13	2	0	0	12	0.1	0.12	0	12	0	0	0
10	13	3	0	0	12	0.1	0.12	0	12	0	0	0
10	13	4	0	0	12	0.1	0.12	0	12	0	0	0
10	13	5	0	0	12	0.1	0.12	0	12	0	0	0
10	13	6	0	0	12	0.1	0.12	0	12	0	0	0
10	13	7	0	37	13	0.2	0.12	35.495	14.563	197.582	162.513	0.162513
10	13	8	0	61	15	0.3	0.12	57.775	17.491	337.041	297.031	0.297031
10	13	9	0	111	16	0.3	0.12	106.447	20.58	623.423	573.265	0.573265
10	13	10	0	44	16	0.3	0.12	41.682	17.789	235.343	198.936	0.198936
10	13	11	0	60	17	0.3	0.12	56.898	19.439	321.627	282.163	0.282163
10	13	12	0	157	17	0.3	0.12	151.43	23.488	874.312	815.264	0.815264
10	13	13	6	195	17	0.3	0.12	195.256	25.372	1132.193	1064.006	1.064006
10	13	14	34	227	17	0.3	0.12	259.322	28.143	1512.73	1431.06	1.43106
10	13	15	43	177	17	0.2	0.12	207.274	26.215	1222.311	1150.932	1.150932
10	13	16	63	109	16	0.2	0.12	136.629	22.072	806.421	749.778	0.749778
10	13	17	0	28	15	0.2	0.12	26.995	16.161	135.711	102.834	0.102834
10	13	18	0	0	15	0.2	0.12	0	15	0	0	0
10	13	19	0	0	15	0.2	0.12	0	15	0	0	0
10	13	20	0	0	14	0.2	0.12	0	14	0	0	0
10	13	21	0	0	14	0.2	0.12	0	14	0	0	0
10	13	22	0	0	13	0.2	0.12	0	13	0	0	0
10	13	23	0	0	13	0.2	0.12	0	13	0	0	0
10	14	0	0	0	13	0.2	0.12	0	13	0	0	0
10	14	1	0	0	12	0.2	0.12	0	12	0	0	0
10	14	2	0	0	11	0.2	0.12	0	11	0	0	0
10	14	3	0	0	10	0.2	0.12	0	10	0	0	0
10	14	4	0	0	10	0.2	0.12	0	10	0	0	0
10	14	5	0	0	9	0.2	0.12	0	9	0	0	0
10	14	6	0	0	9	0.2	0.12	0	9	0	0	0
10	14	7	424	37	10	0.4	0.12	140.072	15.544	707.578	654.438	0.654438
10	14	8	700	63	12	0.5	0.12	387.566	27.746	2320.797	2210.494	2.210494
10	14	9	820	76	14	0.6	0.12	613.67	38.315	3594.685	3439.243	3.439243
10	14	10	867	88	16	0.7	0.12	778.352	45.927	4385.966	4202.486	4.202486
10	14	11	896	92	17	0.7	0.12	883.921	50.942	4850.125	4650.198	4.650198
10	14	12	474	252	17	0.8	0.12	715.503	43.676	4014.591	3844.27	3.84427
10	14	13	80	294	17	0.7	0.12	375.144	31.336	2174.475	2069.357	2.069357
10	14	14	74	251	17	0.7	0.12	316.404	29.111	1853.496	1759.751	1.759751

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	14	15	18	162	17	0.6	0.12	170.104	23.706	1005.172	941.487	0.941487
10	14	16	134	108	16	0.4	0.12	168.254	23.024	993.563	930.289	0.930289
10	14	17	270	31	14	0.2	0.12	85.525	17.422	365.332	324.319	0.324319
10	14	18	0	0	12	0.2	0.12	0	12	0	0	0
10	14	19	0	0	12	0.2	0.12	0	12	0	0	0
10	14	20	0	0	12	0.2	0.12	0	12	0	0	0
10	14	21	0	0	12	0.2	0.12	0	12	0	0	0
10	14	22	0	0	11	0.2	0.12	0	11	0	0	0
10	14	23	0	0	11	0.2	0.12	0	11	0	0	0
10	15	0	0	0	10	0.2	0.12	0	10	0	0	0
10	15	1	0	0	10	0.2	0.12	0	10	0	0	0
10	15	2	0	0	9	0.2	0.12	0	9	0	0	0
10	15	3	0	0	8	0.2	0.12	0	8	0	0	0
10	15	4	0	0	8	0.2	0.12	0	8	0	0	0
10	15	5	0	0	8	0.2	0.12	0	8	0	0	0
10	15	6	0	0	8	0.2	0.12	0	8	0	0	0
10	15	7	464	34	9	0.4	0.12	145.252	14.725	727.747	673.892	0.673892
10	15	8	737	58	11	0.5	0.12	397.337	27.141	2384.744	2272.175	2.272175
10	15	9	854	70	13	0.6	0.12	626.644	37.833	3680.622	3522.135	3.522135
10	15	10	919	74	14	0.7	0.12	800.507	44.787	4535.549	4346.768	4.346768
10	15	11	944	78	15	0.7	0.12	906.77	49.828	5001.511	4796.22	4.79622
10	15	12	949	80	16	0.7	0.12	937.171	51.982	5113.337	4904.083	4.904083
10	15	13	920	86	17	0.7	0.12	882.747	50.909	4850.699	4650.752	4.650752
10	15	14	879	83	17	0.7	0.12	756.637	46.108	4269.458	4090.106	4.090106
10	15	15	807	74	17	0.6	0.12	570.935	39.635	3332.275	3186.131	3.186131
10	15	16	668	58	16	0.5	0.12	335.491	29.559	1949.24	1852.103	1.852103
10	15	17	324	27	13	0.3	0.12	89.31	16.361	357.276	316.548	0.316548
10	15	18	0	0	11	0.2	0.12	0	11	0	0	0
10	15	19	0	0	10	0.2	0.12	0	10	0	0	0
10	15	20	0	0	9	0.2	0.12	0	9	0	0	0
10	15	21	0	0	9	0.2	0.12	0	9	0	0	0
10	15	22	0	0	8	0.2	0.12	0	8	0	0	0
10	15	23	0	0	8	0.2	0.12	0	8	0	0	0
10	16	0	0	0	7	0.2	0.12	0	7	0	0	0
10	16	1	0	0	7	0.2	0.12	0	7	0	0	0
10	16	2	0	0	7	0.1	0.12	0	7	0	0	0
10	16	3	0	0	8	0.1	0.12	0	8	0	0	0
10	16	4	0	0	7	0.2	0.12	0	7	0	0	0
10	16	5	0	0	7	0.2	0.12	0	7	0	0	0
10	16	6	0	0	7	0.2	0.12	0	7	0	0	0
10	16	7	0	23	9	0.3	0.12	21.744	9.925	119.725	87.415	0.087415
10	16	8	0	80	13	0.4	0.12	76.856	16.215	456.163	411.931	0.411931
10	16	9	37	183	16	0.6	0.12	211.404	24.334	1254.958	1182.422	1.182422

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	16	10	782	112	19	0.8	0.12	740.839	46.719	4158.724	3983.296	3.983296
10	16	11	809	121	22	0.8	0.12	843.692	53.525	4577.729	4387.454	4.387454
10	16	12	807	126	23	0.7	0.12	868.074	56.314	4646.212	4453.51	4.45351
10	16	13	787	125	24	0.7	0.12	817.797	55.402	4404.965	4220.812	4.220812
10	16	14	749	115	24	0.7	0.12	700.679	50.945	3868.681	3703.53	3.70353
10	16	15	659	102	23	0.6	0.12	513.981	43.367	2945.208	2812.779	2.812779
10	16	16	70	103	22	0.4	0.12	133.041	27.556	764.992	709.818	0.709818
10	16	17	0	23	20	0.3	0.12	22.007	20.879	93.943	62.546	0.062546
10	16	18	0	0	18	0.3	0.12	0	18	0	0	0
10	16	19	0	0	17	0.3	0.12	0	17	0	0	0
10	16	20	0	0	15	0.2	0.12	0	15	0	0	0
10	16	21	0	0	14	0.2	0.12	0	14	0	0	0
10	16	22	0	0	13	0.2	0.12	0	13	0	0	0
10	16	23	0	0	12	0.2	0.12	0	12	0	0	0
10	17	0	0	0	12	0.2	0.12	0	12	0	0	0
10	17	1	0	0	11	0.2	0.12	0	11	0	0	0
10	17	2	0	0	10	0.2	0.12	0	10	0	0	0
10	17	3	0	0	9	0.1	0.12	0	9	0	0	0
10	17	4	0	0	7	0.1	0.12	0	7	0	0	0
10	17	5	0	0	6	0.2	0.12	0	6	0	0	0
10	17	6	0	0	6	0.1	0.12	0	6	0	0	0
10	17	7	475	33	8	0.1	0.12	145.486	14.271	720.516	666.918	0.666918
10	17	8	751	56	11	0.2	0.12	398.779	28.74	2375.437	2263.198	2.263198
10	17	9	864	67	14	0.3	0.12	622.455	40.956	3613.19	3457.093	3.457093
10	17	10	909	77	16	0.3	0.12	791.93	50.22	4389.318	4205.719	4.205719
10	17	11	925	85	17	0.4	0.12	893.586	54.407	4836.89	4637.431	4.637431
10	17	12	639	187	18	0.4	0.12	789.822	51.01	4316.035	4135.033	4.135033
10	17	13	424	249	19	0.4	0.12	646.256	45.996	3598.325	3442.754	3.442754
10	17	14	591	155	18	0.3	0.12	625.224	44.995	3529.747	3376.606	3.376606
10	17	15	646	95	16	0.2	0.12	496.617	38.188	2906.782	2775.715	2.775715
10	17	16	111	101	15	0.1	0.12	151.128	21.928	891.339	831.687	0.831687
10	17	17	10	25	13	0.3	0.12	26.706	14.024	106.924	75.067	0.075067
10	17	18	0	0	12	0.5	0.12	0	12	0	0	0
10	17	19	0	0	11	0.3	0.12	0	11	0	0	0
10	17	20	0	0	10	0.2	0.12	0	10	0	0	0
10	17	21	0	0	9	0.2	0.12	0	9	0	0	0
10	17	22	0	0	9	0.2	0.12	0	9	0	0	0
10	17	23	0	0	8	0.1	0.12	0	8	0	0	0
10	18	0	0	0	8	0.1	0.12	0	8	0	0	0
10	18	1	0	0	8	0.1	0.12	0	8	0	0	0
10	18	2	0	0	7	0.1	0.12	0	7	0	0	0
10	18	3	0	0	7	0.1	0.12	0	7	0	0	0
10	18	4	0	0	6	0.1	0.12	0	6	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	18	5	0	0	6	0.1	0.12	0	6	0	0	0
10	18	6	0	0	7	0.1	0.12	0	7	0	0	0
10	18	7	89	44	8	0.2	0.12	67.342	10.897	360.513	319.671	0.319671
10	18	8	303	105	10	0.3	0.12	248.713	20.722	1510.412	1428.824	1.428824
10	18	9	22	169	12	0.3	0.12	180.459	19.771	1084.878	1018.369	1.018369
10	18	10	0	160	14	0.3	0.12	155.372	20.672	915.894	855.372	0.855372
10	18	11	23	242	17	0.3	0.12	259.211	28.121	1503.42	1422.08	1.42208
10	18	12	175	313	18	0.2	0.12	494.519	39.922	2791.094	2664.127	2.664127
10	18	13	594	187	19	0.1	0.12	723.32	52.231	3940.292	3772.604	3.772604
10	18	14	3	170	19	0.2	0.12	168.172	26.456	973.113	910.564	0.910564
10	18	15	83	175	18	0.3	0.12	229.416	27.896	1353.66	1277.627	1.277627
10	18	16	0	65	16	0.3	0.12	62.277	18.684	361.921	321.029	0.321029
10	18	17	0	9	13	0.3	0.12	8.494	13.315	30	0.869	0.000869
10	18	18	0	0	11	0.4	0.12	0	11	0	0	0
10	18	19	0	0	10	0.4	0.12	0	10	0	0	0
10	18	20	0	0	10	0.4	0.12	0	10	0	0	0
10	18	21	0	0	9	0.3	0.12	0	9	0	0	0
10	18	22	0	0	9	0.2	0.12	0	9	0	0	0
10	18	23	0	0	9	0.3	0.12	0	9	0	0	0
10	19	0	0	0	8	0.3	0.12	0	8	0	0	0
10	19	1	0	0	8	0.4	0.12	0	8	0	0	0
10	19	2	0	0	8	0.4	0.12	0	8	0	0	0
10	19	3	0	0	8	0.3	0.12	0	8	0	0	0
10	19	4	0	0	8	0.1	0.12	0	8	0	0	0
10	19	5	0	0	8	0.1	0.12	0	8	0	0	0
10	19	6	0	0	8	0.1	0.12	0	8	0	0	0
10	19	7	0	2	8	0.1	0.12	1.885	8.085	9.186	0	0
10	19	8	0	8	10	0.1	0.12	7.552	10.347	41.487	11.949	0.011949
10	19	9	0	8	11	0.1	0.12	7.56	11.347	41.075	11.551	0.011551
10	19	10	0	14	12	0.2	0.12	13.247	12.587	72.818	42.17	0.04217
10	19	11	0	48	13	0.4	0.12	45.492	14.892	260.268	222.978	0.222978
10	19	12	0	96	13	0.5	0.12	91.18	16.681	532.064	485.143	0.485143
10	19	13	0	82	12	0.5	0.12	77.79	15.143	455.029	410.838	0.410838
10	19	14	0	83	12	0.5	0.12	78.709	15.185	463.411	418.923	0.418923
10	19	15	0	34	11	0.5	0.12	32.161	12.305	186.349	151.678	0.151678
10	19	16	0	34	9	0.5	0.12	32.149	10.305	188.228	153.491	0.153491
10	19	17	0	4	8	0.5	0.12	3.771	8.132	13.142	0	0
10	19	18	0	0	8	0.5	0.12	0	8	0	0	0
10	19	19	0	0	7	0.5	0.12	0	7	0	0	0
10	19	20	0	0	7	0.5	0.12	0	7	0	0	0
10	19	21	0	0	6	0.5	0.12	0	6	0	0	0
10	19	22	0	0	6	0.5	0.12	0	6	0	0	0
10	19	23	0	0	6	0.5	0.12	0	6	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	20	0	0	0	5	0.5	0.12	0	5	0	0	0
10	20	1	0	0	4	0.6	0.12	0	4	0	0	0
10	20	2	0	0	4	0.6	0.12	0	4	0	0	0
10	20	3	0	0	4	0.6	0.12	0	4	0	0	0
10	20	4	0	0	4	0.6	0.12	0	4	0	0	0
10	20	5	0	0	4	0.7	0.12	0	4	0	0	0
10	20	6	0	0	4	0.7	0.12	0	4	0	0	0
10	20	7	0	15	4	0.7	0.12	14.166	4.533	76.738	45.951	0.045951
10	20	8	0	42	5	0.7	0.12	39.734	6.525	239.022	202.484	0.202484
10	20	9	0	69	6	0.8	0.12	65.377	8.438	395.674	353.585	0.353585
10	20	10	0	104	6	0.8	0.12	99.151	9.689	601.272	551.899	0.551899
10	20	11	0	164	6	0.8	0.12	158.982	11.907	966.511	904.196	0.904196
10	20	12	0	157	6	0.8	0.12	151.765	11.637	920.89	860.192	0.860192
10	20	13	1	165	6	0.7	0.12	160.936	12.146	978.947	916.191	0.916191
10	20	14	0	62	7	0.7	0.12	58.749	9.247	350.507	310.019	0.310019
10	20	15	0	104	7	0.6	0.12	100.093	10.946	610.899	561.184	0.561184
10	20	16	445	81	6	0.5	0.12	264.999	16.696	1601.469	1516.655	1.516655
10	20	17	88	24	6	0.5	0.12	40.563	7.334	140.107	107.074	0.107074
10	20	18	0	0	6	0.5	0.12	0	6	0	0	0
10	20	19	0	0	5	0.4	0.12	0	5	0	0	0
10	20	20	0	0	5	0.4	0.12	0	5	0	0	0
10	20	21	0	0	5	0.3	0.12	0	5	0	0	0
10	20	22	0	0	5	0.2	0.12	0	5	0	0	0
10	20	23	0	0	4	0.2	0.12	0	4	0	0	0
10	21	0	0	0	4	0.2	0.12	0	4	0	0	0
10	21	1	0	0	4	0.2	0.12	0	4	0	0	0
10	21	2	0	0	4	0.2	0.12	0	4	0	0	0
10	21	3	0	0	4	0.1	0.12	0	4	0	0	0
10	21	4	0	0	4	0.1	0.12	0	4	0	0	0
10	21	5	0	0	3	0.1	0.12	0	3	0	0	0
10	21	6	0	0	3	0.1	0.12	0	3	0	0	0
10	21	7	312	35	4	0.2	0.12	110.676	8.61	552.079	504.449	0.504449
10	21	8	619	68	6	0.3	0.12	351.311	21.135	2143.262	2039.25	2.03925
10	21	9	758	84	9	0.3	0.12	572.428	33.788	3416.63	3267.497	3.267497
10	21	10	838	90	12	0.4	0.12	749.189	43.408	4273.808	4094.302	4.094302
10	21	11	867	96	13	0.4	0.12	853.343	48.728	4736.047	4540.162	4.540162
10	21	12	874	98	14	0.4	0.12	876.17	50.672	4816.577	4617.839	4.617839
10	21	13	862	96	14	0.3	0.12	835.189	50.055	4614.465	4422.888	4.422888
10	21	14	822	90	14	0.3	0.12	711.347	44.756	4042.674	3871.358	3.871358
10	21	15	744	79	14	0.3	0.12	525.163	36.755	3101.86	2963.881	2.963881
10	21	16	592	59	12	0.2	0.12	297.395	25.13	1735.126	1645.576	1.645576
10	21	17	214	20	9	0.5	0.12	56.97	10.766	177.901	143.53	0.14353
10	21	18	0	0	7	0.7	0.12	0	7	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	21	19	0	0	6	0.7	0.12	0	6	0	0	0
10	21	20	0	0	5	0.7	0.12	0	5	0	0	0
10	21	21	0	0	5	0.8	0.12	0	5	0	0	0
10	21	22	0	0	4	0.8	0.12	0	4	0	0	0
10	21	23	0	0	4	0.8	0.12	0	4	0	0	0
10	22	0	0	0	4	0.9	0.12	0	4	0	0	0
10	22	1	0	0	4	0.9	0.12	0	4	0	0	0
10	22	2	0	0	4	0.9	0.12	0	4	0	0	0
10	22	3	0	0	4	0.9	0.12	0	4	0	0	0
10	22	4	0	0	4	0.8	0.12	0	4	0	0	0
10	22	5	0	0	4	0.6	0.12	0	4	0	0	0
10	22	6	0	0	4	0.6	0.12	0	4	0	0	0
10	22	7	367	32	4	0.4	0.12	118.787	8.61	579.123	530.534	0.530534
10	22	8	675	63	7	0.1	0.12	368.589	23.919	2224.877	2117.972	2.117972
10	22	9	371	160	10	0.1	0.12	407.032	28.753	2449.984	2335.103	2.335103
10	22	10	881	84	13	0.2	0.12	767.601	47.236	4313.645	4132.728	4.132728
10	22	11	904	90	14	0.2	0.12	869.009	52.708	4745.781	4549.551	4.549551
10	22	12	907	92	15	0.3	0.12	895.206	53.631	4861.76	4661.42	4.66142
10	22	13	885	91	16	0.3	0.12	839.83	52.262	4600.209	4409.137	4.409137
10	22	14	836	87	15	0.2	0.12	715.525	46.926	4032.166	3861.223	3.861223
10	22	15	510	124	14	0.2	0.12	437.561	33.544	2601.135	2480.899	2.480899
10	22	16	570	60	13	0.4	0.12	288.597	24.974	1680.747	1593.124	1.593124
10	22	17	184	19	12	0.6	0.12	50.526	13.529	156.141	122.54	0.12254
10	22	18	0	0	12	0.5	0.12	0	12	0	0	0
10	22	19	0	0	11	0.4	0.12	0	11	0	0	0
10	22	20	0	0	10	0.5	0.12	0	10	0	0	0
10	22	21	0	0	9	0.7	0.12	0	9	0	0	0
10	22	22	0	0	8	0.9	0.12	0	8	0	0	0
10	22	23	0	0	7	1	0.12	0	7	0	0	0
10	23	0	0	0	6	1.1	0.12	0	6	0	0	0
10	23	1	0	0	4	1	0.12	0	4	0	0	0
10	23	2	0	0	3	0.8	0.12	0	3	0	0	0
10	23	3	0	0	3	0.5	0.12	0	3	0	0	0
10	23	4	0	0	3	0.3	0.12	0	3	0	0	0
10	23	5	0	0	2	0.2	0.12	0	2	0	0	0
10	23	6	0	0	3	0.2	0.12	0	3	0	0	0
10	23	7	60	33	5	0.2	0.12	48.944	7.079	252.45	215.437	0.215437
10	23	8	390	87	7	0.2	0.12	269.807	18.99	1647.536	1561.089	1.561089
10	23	9	306	169	9	0.2	0.12	376.833	25.802	2287.728	2178.597	2.178597
10	23	10	390	213	11	0.2	0.12	533.283	34.734	3122.11	2983.413	2.983413
10	23	11	381	253	12	0.3	0.12	605.066	38.058	3480.001	3328.623	3.328623
10	23	12	369	266	13	0.3	0.12	618.739	39.634	3530.597	3377.426	3.377426
10	23	13	245	273	14	0.3	0.12	498.841	35.47	2885.918	2755.59	2.75559

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	23	14	100	230	14	0.2	0.12	312.799	27.897	1849.697	1756.087	1.756087
10	23	15	42	155	13	0.2	0.12	183.997	21.187	1106.507	1039.231	1.039231
10	23	16	214	84	12	0.2	0.12	174.34	19.712	1029.601	965.05	0.96505
10	23	17	0	17	11	0.2	0.12	16.294	11.624	59.885	29.695	0.029695
10	23	18	0	0	9	0.2	0.12	0	9	0	0	0
10	23	19	0	0	8	0.2	0.12	0	8	0	0	0
10	23	20	0	0	8	0.2	0.12	0	8	0	0	0
10	23	21	0	0	8	0.2	0.12	0	8	0	0	0
10	23	22	0	0	8	0.2	0.12	0	8	0	0	0
10	23	23	0	0	9	0.2	0.12	0	9	0	0	0
10	24	0	0	0	8	0.2	0.12	0	8	0	0	0
10	24	1	0	0	8	0.2	0.12	0	8	0	0	0
10	24	2	0	0	8	0.2	0.12	0	8	0	0	0
10	24	3	0	0	9	0.2	0.12	0	9	0	0	0
10	24	4	0	0	9	0.2	0.12	0	9	0	0	0
10	24	5	0	0	9	0.2	0.12	0	9	0	0	0
10	24	6	0	0	9	0.2	0.12	0	9	0	0	0
10	24	7	0	6	9	0.2	0.12	5.658	9.244	27.427	0	0
10	24	8	372	107	11	0.3	0.12	283.325	23.201	1703.619	1615.185	1.615185
10	24	9	0	60	13	0.4	0.12	56.825	15.374	332.635	292.781	0.292781
10	24	10	756	116	16	0.5	0.12	713.648	45.045	4042.397	3871.09	3.87109
10	24	11	825	113	17	0.5	0.12	830.405	50.76	4571.922	4381.853	4.381853
10	24	12	859	106	18	0.6	0.12	871.205	52.41	4756.977	4560.351	4.560351
10	24	13	861	98	18	0.5	0.12	828.753	51.706	4551.63	4362.279	4.362279
10	24	14	828	89	18	0.5	0.12	706.938	46.797	3988.149	3818.765	3.818765
10	24	15	746	78	17	0.4	0.12	518.474	38.797	3039.168	2903.411	2.903411
10	24	16	596	55	15	0.3	0.12	289.607	27.37	1662.609	1575.628	1.575628
10	24	17	192	16	11	0.2	0.12	43.116	12.418	125.812	93.286	0.093286
10	24	18	0	0	9	0.2	0.12	0	9	0	0	0
10	24	19	0	0	8	0.3	0.12	0	8	0	0	0
10	24	20	0	0	8	0.7	0.12	0	8	0	0	0
10	24	21	0	0	8	0.9	0.12	0	8	0	0	0
10	24	22	0	0	9	0.9	0.12	0	9	0	0	0
10	24	23	0	0	10	0.7	0.12	0	10	0	0	0
10	25	0	0	0	10	0.4	0.12	0	10	0	0	0
10	25	1	0	0	9	0.6	0.12	0	9	0	0	0
10	25	2	0	0	8	0.9	0.12	0	8	0	0	0
10	25	3	0	0	6	0.9	0.12	0	6	0	0	0
10	25	4	0	0	4	0.7	0.12	0	4	0	0	0
10	25	5	0	0	4	0.3	0.12	0	4	0	0	0
10	25	6	0	0	4	0.2	0.12	0	4	0	0	0
10	25	7	353	28	6	0.2	0.12	110.382	10.463	503.658	457.744	0.457744
10	25	8	668	57	10	0.3	0.12	353.545	25.215	2115.097	2012.083	2.012083

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	25	9	802	71	13	0.3	0.12	577.676	38.027	3396.664	3248.239	3.248239
10	25	10	870	78	16	0.4	0.12	745.61	47.274	4194.346	4017.655	4.017655
10	25	11	902	81	18	0.4	0.12	849.254	53.576	4627.379	4435.344	4.435344
10	25	12	910	83	19	0.5	0.12	879.221	54.748	4758.995	4562.297	4.562297
10	25	13	893	82	20	0.5	0.12	827.824	53.679	4513.532	4325.532	4.325532
10	25	14	857	77	20	0.4	0.12	711.324	49.85	3965.485	3796.904	3.796904
10	25	15	780	67	19	0.3	0.12	523.159	41.678	3033.908	2898.336	2.898336
10	25	16	256	78	16	0.2	0.12	182.088	24.043	1052.479	987.117	0.987117
10	25	17	0	16	14	0.2	0.12	15.518	14.595	56.16	26.102	0.026102
10	25	18	0	0	13	0.2	0.12	0	13	0	0	0
10	25	19	0	0	13	0.2	0.12	0	13	0	0	0
10	25	20	0	0	13	0.2	0.12	0	13	0	0	0
10	25	21	0	0	12	0.2	0.12	0	12	0	0	0
10	25	22	0	0	12	0.2	0.12	0	12	0	0	0
10	25	23	0	0	12	0.2	0.12	0	12	0	0	0
10	26	0	0	0	11	0.2	0.12	0	11	0	0	0
10	26	1	0	0	11	0.2	0.12	0	11	0	0	0
10	26	2	0	0	12	0.2	0.12	0	12	0	0	0
10	26	3	0	0	12	0.2	0.12	0	12	0	0	0
10	26	4	0	0	12	0.2	0.12	0	12	0	0	0
10	26	5	0	0	12	0.2	0.12	0	12	0	0	0
10	26	6	0	0	12	0.2	0.12	0	12	0	0	0
10	26	7	0	24	12	0.2	0.12	22.952	12.975	111.571	79.55	0.07955
10	26	8	4	93	13	0.3	0.12	93.428	17.027	556.238	508.46	0.50846
10	26	9	38	165	15	0.4	0.12	193.968	23.111	1157.444	1088.363	1.088363
10	26	10	154	241	18	0.5	0.12	377.591	33.317	2197.265	2091.34	2.09134
10	26	11	91	279	19	0.6	0.12	370.075	33.557	2133.509	2029.842	2.029842
10	26	12	315	279	20	0.6	0.12	585.139	43.051	3289.616	3144.984	3.144984
10	26	13	308	255	19	0.5	0.12	539.015	40.866	3062.461	2925.878	2.925878
10	26	14	113	225	19	0.5	0.12	316.595	31.845	1846.5	1753.003	1.753003
10	26	15	219	154	18	0.4	0.12	295.897	30.407	1755.115	1664.857	1.664857
10	26	16	13	78	17	0.3	0.12	81.991	20.527	474.903	430.007	0.430007
10	26	17	0	4	15	0.2	0.12	3.879	15.149	13.053	0	0
10	26	18	0	0	15	0.2	0.12	0	15	0	0	0
10	26	19	0	0	15	0.2	0.12	0	15	0	0	0
10	26	20	0	0	14	0.2	0.12	0	14	0	0	0
10	26	21	0	0	14	0.1	0.12	0	14	0	0	0
10	26	22	0	0	13	0.1	0.12	0	13	0	0	0
10	26	23	0	0	12	0.2	0.12	0	12	0	0	0
10	27	0	0	0	11	0.2	0.12	0	11	0	0	0
10	27	1	0	0	11	0.2	0.12	0	11	0	0	0
10	27	2	0	0	10	0.2	0.12	0	10	0	0	0
10	27	3	0	0	10	0.2	0.12	0	10	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	27	4	0	0	9	0.2	0.12	0	9	0	0	0
10	27	5	0	0	9	0.2	0.12	0	9	0	0	0
10	27	6	0	0	8	0.2	0.12	0	8	0	0	0
10	27	7	0	2	8	0.3	0.12	1.885	8.077	8.057	0	0
10	27	8	0	24	8	0.4	0.12	22.677	8.948	131.679	98.945	0.098945
10	27	9	0	27	9	0.4	0.12	25.532	10.067	147.889	114.581	0.114581
10	27	10	0	31	9	0.5	0.12	29.341	10.188	169.468	135.395	0.135395
10	27	11	0	74	9	0.5	0.12	70.173	11.836	415.154	372.375	0.372375
10	27	12	0	86	10	0.5	0.12	81.592	13.297	482.012	436.864	0.436864
10	27	13	8	194	10	0.5	0.12	197.334	17.981	1184.999	1114.941	1.114941
10	27	14	26	193	11	0.5	0.12	210.185	19.518	1266.861	1193.903	1.193903
10	27	15	0	127	10	0.4	0.12	124.847	15.219	756.577	701.7	0.7017
10	27	16	30	78	9	0.3	0.12	91.461	12.93	547.1	499.646	0.499646
10	27	17	0	8	7	0.2	0.12	7.759	7.297	28.158	0	0
10	27	18	0	0	6	0.1	0.12	0	6	0	0	0
10	27	19	0	0	5	0.1	0.12	0	5	0	0	0
10	27	20	0	0	4	0.1	0.12	0	4	0	0	0
10	27	21	0	0	3	0.1	0.12	0	3	0	0	0
10	27	22	0	0	2	0.1	0.12	0	2	0	0	0
10	27	23	0	0	2	0.1	0.12	0	2	0	0	0
10	28	0	0	0	2	0.1	0.12	0	2	0	0	0
10	28	1	0	0	3	0.1	0.12	0	3	0	0	0
10	28	2	0	0	2	0.1	0.12	0	2	0	0	0
10	28	3	0	0	1	0.1	0.12	0	1	0	0	0
10	28	4	0	0	1	0.1	0.12	0	1	0	0	0
10	28	5	0	0	2	0.1	0.12	0	2	0	0	0
10	28	6	0	0	2	0.1	0.12	0	2	0	0	0
10	28	7	0	18	2	0.2	0.12	17.019	2.705	79.428	48.545	0.048545
10	28	8	0	67	4	0.2	0.12	64.421	6.865	393.885	351.86	0.35186
10	28	9	0	105	5	0.3	0.12	101.241	9.361	621.972	571.865	0.571865
10	28	10	0	118	6	0.3	0.12	113.357	10.872	689.378	636.883	0.636883
10	28	11	4	182	7	0.3	0.12	181.506	14.791	1099.395	1032.371	1.032371
10	28	12	90	278	7	0.3	0.12	369.741	22.887	2221.598	2114.81	2.11481
10	28	13	381	233	8	0.3	0.12	571.305	32.624	3365.825	3218.493	3.218493
10	28	14	120	220	9	0.3	0.12	324.793	22.994	1964.872	1867.18	1.86718
10	28	15	9	132	8	0.3	0.12	135.351	13.835	828.138	770.726	0.770726
10	28	16	0	43	6	0.2	0.12	40.699	7.807	241.847	205.209	0.205209
10	28	17	130	12	4	0.2	0.12	29.186	4.96	86.501	55.368	0.055368
10	28	18	0	0	3	0.1	0.12	0	3	0	0	0
10	28	19	0	0	2	0.2	0.12	0	2	0	0	0
10	28	20	0	0	1	0.5	0.12	0	1	0	0	0
10	28	21	0	0	1	0.7	0.12	0	1	0	0	0
10	28	22	0	0	2	0.7	0.12	0	2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	28	23	0	0	2	0.4	0.12	0	2	0	0	0
10	29	0	0	0	2	0.3	0.12	0	2	0	0	0
10	29	1	0	0	1	0.5	0.12	0	1	0	0	0
10	29	2	0	0	0	0.8	0.12	0	0	0	0	0
10	29	3	0	0	0	0.8	0.12	0	0	0	0	0
10	29	4	0	0	0	0.8	0.12	0	0	0	0	0
10	29	5	0	0	0	0.7	0.12	0	0	0	0	0
10	29	6	0	0	0	0.7	0.12	0	0	0	0	0
10	29	7	214	29	1	0.4	0.12	79.866	3.875	324.646	285.074	0.285074
10	29	8	567	71	3	0.2	0.12	323.287	17.341	1981.954	1883.658	1.883658
10	29	9	734	91	7	0.2	0.12	554.122	31.769	3337.653	3191.319	3.191319
10	29	10	407	196	10	0.2	0.12	531.469	33.668	3131.87	2992.828	2.992828
10	29	11	79	263	11	0.2	0.12	342.153	26.175	2028.802	1928.845	1.928845
10	29	12	855	110	12	0.3	0.12	859.573	49.107	4766.559	4569.593	4.569593
10	29	13	550	180	12	0.4	0.12	657.311	39.512	3786.16	3623.933	3.623933
10	29	14	775	105	12	0.4	0.12	678.29	40.462	3929.609	3762.299	3.762299
10	29	15	698	86	11	0.3	0.12	492.703	32.354	2962.181	2829.151	2.829151
10	29	16	508	61	9	0.2	0.12	257.074	20.303	1499.645	1418.438	1.418438
10	29	17	81	11	6	0.1	0.12	21.437	6.751	65.117	34.741	0.034741
10	29	18	0	0	4	0.2	0.12	0	4	0	0	0
10	29	19	0	0	3	0.2	0.12	0	3	0	0	0
10	29	20	0	0	2	0.2	0.12	0	2	0	0	0
10	29	21	0	0	2	0.2	0.12	0	2	0	0	0
10	29	22	0	0	1	0.3	0.12	0	1	0	0	0
10	29	23	0	0	1	0.5	0.12	0	1	0	0	0
10	30	0	0	0	0	0.6	0.12	0	0	0	0	0
10	30	1	0	0	0	0.6	0.12	0	0	0	0	0
10	30	2	0	0	0	0.7	0.12	0	0	0	0	0
10	30	3	0	0	0	0.8	0.12	0	0	0	0	0
10	30	4	0	0	0	0.9	0.12	0	0	0	0	0
10	30	5	0	0	0	0.9	0.12	0	0	0	0	0
10	30	6	0	0	0	0.9	0.12	0	0	0	0	0
10	30	7	17	25	1	0.5	0.12	28.894	2.025	117.452	85.222	0.085222
10	30	8	158	96	4	0.2	0.12	169.543	11.528	1047.369	982.188	0.982188
10	30	9	490	123	6	0.2	0.12	439.126	25.613	2692.358	2568.889	2.568889
10	30	10	689	144	8	0.2	0.12	683.55	38.482	3978.204	3809.173	3.809173
10	30	11	743	149	10	0.2	0.12	793.784	45.356	4472.142	4285.608	4.285608
10	30	12	785	137	12	0.3	0.12	832.978	47.95	4638.541	4446.111	4.446111
10	30	13	802	119	13	0.3	0.12	793.392	47.268	4444.521	4258.966	4.258966
10	30	14	755	109	13	0.3	0.12	666.685	41.839	3840.941	3676.773	3.676773
10	30	15	665	91	12	0.2	0.12	478.336	33.39	2861.993	2732.513	2.732513
10	30	16	473	62	10	0.2	0.12	244.504	20.747	1420.021	1341.636	1.341636
10	30	17	0	0	7	0.2	0.12	0	0	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
10	30	18	0	0	6	0.2	0.12	0	6	0	0	0
10	30	19	0	0	6	0.2	0.12	0	6	0	0	0
10	30	20	0	0	6	0.2	0.12	0	6	0	0	0
10	30	21	0	0	5	0.2	0.12	0	5	0	0	0
10	30	22	0	0	5	0.2	0.12	0	5	0	0	0
10	30	23	0	0	5	0.2	0.12	0	5	0	0	0
10	31	0	0	0	4	0.2	0.12	0	4	0	0	0
10	31	1	0	0	4	0.2	0.12	0	4	0	0	0
10	31	2	0	0	5	0.2	0.12	0	5	0	0	0
10	31	3	0	0	5	0.2	0.12	0	5	0	0	0
10	31	4	0	0	6	0.2	0.12	0	6	0	0	0
10	31	5	0	0	5	0.2	0.12	0	5	0	0	0
10	31	6	0	0	5	0.2	0.12	0	5	0	0	0
10	31	7	0	11	5	0.2	0.12	10.387	5.398	38.516	9.083	0.009083
10	31	8	0	63	6	0.3	0.12	60.519	8.607	366.15	325.108	0.325108
10	31	9	531	139	8	0.4	0.12	480.063	28.158	2918.502	2787.02	2.78702
10	31	10	770	110	11	0.5	0.12	703.131	39.636	4081.182	3908.502	3.908502
10	31	11	845	103	12	0.5	0.12	818.832	45.312	4623.684	4431.781	4.431781
10	31	12	873	97	13	0.4	0.12	854.637	48.8	4750.599	4554.198	4.554198
10	31	13	276	248	14	0.4	0.12	502.367	34.995	2922.895	2791.257	2.791257
10	31	14	0	42	13	0.3	0.12	39.757	14.71	228.922	192.743	0.192743
10	31	15	0	91	12	0.2	0.12	87.644	15.898	523.044	476.442	0.476442
10	31	16	132	73	11	0.3	0.12	126.304	16.402	740.888	686.568	0.686568
10	31	17	0	0	10	0.5	0.12	0	0	0	0	0
10	31	18	0	0	9	0.7	0.12	0	9	0	0	0
10	31	19	0	0	18	0.2	0.11	0	18	0	0	0
10	31	20	0	0	18	0.2	0.11	0	18	0	0	0
10	31	21	0	0	18	0.2	0.11	0	18	0	0	0
10	31	22	0	0	17	0.2	0.11	0	17	0	0	0
10	31	23	0	0	16	0.2	0.11	0	16	0	0	0
11	1	0	0	0	16	0.2	0.11	0	16	0	0	0
11	1	1	0	0	16	0.2	0.11	0	16	0	0	0
11	1	2	0	0	16	0.2	0.11	0	16	0	0	0
11	1	3	0	0	16	0.2	0.11	0	16	0	0	0
11	1	4	0	0	16	0.1	0.11	0	16	0	0	0
11	1	5	0	0	15	0.1	0.11	0	15	0	0	0
11	1	6	0	0	15	0.1	0.11	0	15	0	0	0
11	1	7	0	2	15	0.1	0.11	1.884	15.075	6.093	0	0
11	1	8	0	12	15	0.1	0.11	11.324	15.52	61.672	31.418	0.031418
11	1	9	0	98	15	0.2	0.11	94.324	19.193	555.965	508.197	0.508197
11	1	10	147	226	15	0.2	0.11	354.744	30.773	2086.637	1984.632	1.984632
11	1	11	224	286	17	0.1	0.11	497.789	39.84	2832.256	2703.83	2.70383
11	1	12	65	260	18	0.1	0.11	328.472	33.044	1891.341	1796.255	1.796255

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	1	13	89	251	19	0.1	0.11	335.778	34.394	1931.063	1834.57	1.83457
11	1	14	386	180	20	0	0.11	472.066	42.457	2688.491	2565.159	2.565159
11	1	15	295	165	20	0	0.11	347.912	36.571	2026.222	1926.357	1.926357
11	1	16	136	88	19	0.3	0.11	146.151	25.252	832.001	774.452	0.774452
11	1	17	0	0	18	0.6	0.11	0	0	0	0	0
11	1	18	0	0	18	0.6	0.11	0	18	0	0	0
11	1	19	0	0	17	0.7	0.11	0	17	0	0	0
11	1	20	0	0	15	0.8	0.11	0	15	0	0	0
11	1	21	0	0	14	0.5	0.11	0	14	0	0	0
11	1	22	0	0	14	0.2	0.11	0	14	0	0	0
11	1	23	0	0	14	0.2	0.11	0	14	0	0	0
11	2	0	0	0	14	0.2	0.11	0	14	0	0	0
11	2	1	0	0	15	0.2	0.11	0	15	0	0	0
11	2	2	0	0	14	0.2	0.11	0	14	0	0	0
11	2	3	0	0	14	0.2	0.11	0	14	0	0	0
11	2	4	0	0	14	0.2	0.11	0	14	0	0	0
11	2	5	0	0	13	0.2	0.11	0	13	0	0	0
11	2	6	0	0	13	0.2	0.11	0	13	0	0	0
11	2	7	137	24	14	0.2	0.11	56.63	16.034	189.837	155.042	0.155042
11	2	8	497	70	16	0.2	0.11	288.9	28.8	1681.313	1593.67	1.59367
11	2	9	674	92	19	0.3	0.11	512.712	41.214	2972.442	2839.049	2.839049
11	2	10	771	100	22	0.3	0.11	684.974	51.627	3787.579	3625.302	3.625302
11	2	11	813	105	24	0.4	0.11	790.191	57.114	4247.876	4069.289	4.069289
11	2	12	382	239	25	0.4	0.11	589.984	49.663	3241.205	3098.288	3.098288
11	2	13	797	107	25	0.3	0.11	765.11	58.059	4099.96	3926.614	3.926614
11	2	14	743	101	25	0.2	0.11	642.887	53.704	3527.847	3374.774	3.374774
11	2	15	636	87	24	0.2	0.11	453.147	44.266	2592.415	2472.488	2.472488
11	2	16	431	60	22	0.5	0.11	224.581	30.996	1241.133	1169.087	1.169087
11	2	17	0	0	20	0.9	0.11	0	0	0	0	0
11	2	18	0	0	18	1	0.11	0	18	0	0	0
11	2	19	0	0	17	1	0.11	0	17	0	0	0
11	2	20	0	0	16	1	0.11	0	16	0	0	0
11	2	21	0	0	15	0.9	0.11	0	15	0	0	0
11	2	22	0	0	14	0.8	0.11	0	14	0	0	0
11	2	23	0	0	13	0.5	0.11	0	13	0	0	0
11	3	0	0	0	12	0.2	0.11	0	12	0	0	0
11	3	1	0	0	11	0.2	0.11	0	11	0	0	0
11	3	2	0	0	11	0.2	0.11	0	11	0	0	0
11	3	3	0	0	10	0.2	0.11	0	10	0	0	0
11	3	4	0	0	10	0.3	0.11	0	10	0	0	0
11	3	5	0	0	9	0.5	0.11	0	9	0	0	0
11	3	6	0	0	9	0.4	0.11	0	9	0	0	0
11	3	7	182	22	11	0.2	0.11	62.138	13.194	205.494	170.144	0.170144

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	3	8	548	64	14	0.2	0.11	301.928	27.37	1765.73	1675.096	1.675096
11	3	9	715	83	18	0.2	0.11	524.742	41.464	3042.675	2906.793	2.906793
11	3	10	805	91	22	0.2	0.11	697.302	53.126	3834.319	3670.386	3.670386
11	3	11	844	96	24	0.3	0.11	802.49	58.673	4287.55	4107.557	4.107557
11	3	12	858	96	25	0.3	0.11	833.202	60.989	4400.402	4216.411	4.216411
11	3	13	847	92	25	0.4	0.11	785.104	57.917	4213.709	4036.333	4.036333
11	3	14	805	84	25	0.3	0.11	661.437	53.631	3636.243	3479.329	3.479329
11	3	15	717	72	24	0.2	0.11	478.047	45.387	2728.548	2603.797	2.603797
11	3	16	528	50	20	0.3	0.11	246.572	30.467	1360.806	1284.519	1.284519
11	3	17	0	0	17	0.6	0.11	0	0	0	0	0
11	3	18	0	0	16	0.8	0.11	0	16	0	0	0
11	3	19	0	0	15	0.8	0.11	0	15	0	0	0
11	3	20	0	0	14	0.7	0.11	0	14	0	0	0
11	3	21	0	0	13	0.5	0.11	0	13	0	0	0
11	3	22	0	0	13	0.3	0.11	0	13	0	0	0
11	3	23	0	0	12	0.2	0.11	0	12	0	0	0
11	4	0	0	0	12	0.2	0.11	0	12	0	0	0
11	4	1	0	0	12	0.2	0.11	0	12	0	0	0
11	4	2	0	0	11	0.2	0.11	0	11	0	0	0
11	4	3	0	0	11	0.2	0.11	0	11	0	0	0
11	4	4	0	0	10	0.2	0.11	0	10	0	0	0
11	4	5	0	0	10	0.2	0.11	0	10	0	0	0
11	4	6	0	0	10	0.2	0.11	0	10	0	0	0
11	4	7	251	19	11	0.2	0.11	71.366	13.467	228.728	192.555	0.192555
11	4	8	625	53	14	0.3	0.11	319.263	27.692	1862.647	1768.578	1.768578
11	4	9	777	69	18	0.3	0.11	540.86	41.446	3141.485	3002.102	3.002102
11	4	10	850	78	21	0.4	0.11	712.409	50.905	3958.578	3790.242	3.790242
11	4	11	882	83	23	0.5	0.11	809.452	55.95	4380.572	4197.283	4.197283
11	4	12	885	85	24	0.5	0.11	833.916	57.934	4467.665	4281.29	4.28129
11	4	13	860	85	25	0.4	0.11	784.723	57.906	4214.323	4036.924	4.036924
11	4	14	809	79	25	0.4	0.11	656.31	52.562	3626.276	3469.714	3.469714
11	4	15	714	67	24	0.3	0.11	467.104	44.255	2678.816	2555.827	2.555827
11	4	16	519	46	21	0.2	0.11	238.124	31.421	1303.655	1229.393	1.229393
11	4	17	0	0	18	0.2	0.11	0	0	0	0	0
11	4	18	0	0	18	0.2	0.11	0	18	0	0	0
11	4	19	0	0	19	0.2	0.11	0	19	0	0	0
11	4	20	0	0	19	0.2	0.11	0	19	0	0	0
11	4	21	0	0	18	0.2	0.11	0	18	0	0	0
11	4	22	0	0	18	0.2	0.11	0	18	0	0	0
11	4	23	0	0	18	0.2	0.11	0	18	0	0	0
11	5	0	0	0	17	0.2	0.11	0	17	0	0	0
11	5	1	0	0	17	0.2	0.11	0	17	0	0	0
11	5	2	0	0	17	0.2	0.11	0	17	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	5	3	0	0	17	0.2	0.11	0	17	0	0	0
11	5	4	0	0	18	0.2	0.11	0	18	0	0	0
11	5	5	0	0	18	0.2	0.11	0	18	0	0	0
11	5	6	0	0	18	0.2	0.11	0	18	0	0	0
11	5	7	0	11	18	0.2	0.11	10.389	18.398	36.114	6.767	0.006767
11	5	8	73	87	19	0.2	0.11	125.012	24.547	723.425	669.724	0.669724
11	5	9	393	131	19	0.2	0.11	385.1	36.197	2257.398	2149.341	2.149341
11	5	10	240	215	20	0.3	0.11	408.204	37.611	2353.657	2242.19	2.24219
11	5	11	58	240	20	0.3	0.11	299.648	32.885	1726.283	1637.046	1.637046
11	5	12	6	186	21	0.3	0.11	187.97	29.072	1078.187	1011.914	1.011914
11	5	13	219	244	20	0.3	0.11	440.023	38.959	2514.773	2397.597	2.397597
11	5	14	56	192	19	0.3	0.11	239.947	29.338	1403.386	1325.59	1.32559
11	5	15	0	107	18	0.3	0.11	104.936	22.524	614.086	564.258	0.564258
11	5	16	0	56	16	0.2	0.11	55.034	18.438	314.049	274.853	0.274853
11	5	17	0	0	14	0.2	0.11	0	0	0	0	0
11	5	18	0	0	12	0.2	0.11	0	12	0	0	0
11	5	19	0	0	11	0.3	0.11	0	11	0	0	0
11	5	20	0	0	10	0.3	0.11	0	10	0	0	0
11	5	21	0	0	9	0.3	0.11	0	9	0	0	0
11	5	22	0	0	9	0.2	0.11	0	9	0	0	0
11	5	23	0	0	9	0.2	0.11	0	9	0	0	0
11	6	0	0	0	9	0.1	0.11	0	9	0	0	0
11	6	1	0	0	9	0.1	0.11	0	9	0	0	0
11	6	2	0	0	8	0.1	0.11	0	8	0	0	0
11	6	3	0	0	8	0.1	0.11	0	8	0	0	0
11	6	4	0	0	8	0.1	0.11	0	8	0	0	0
11	6	5	0	0	8	0.2	0.11	0	8	0	0	0
11	6	6	0	0	8	0.2	0.11	0	8	0	0	0
11	6	7	0	0	8	0.3	0.11	0	0	0	0	0
11	6	8	0	3	8	0.4	0.11	2.829	8.118	14.905	0	0
11	6	9	0	50	9	0.3	0.11	47.311	11.039	280.853	242.833	0.242833
11	6	10	0	31	10	0.3	0.11	29.323	11.261	169.137	135.076	0.135076
11	6	11	0	45	10	0.3	0.11	42.606	11.83	247.828	210.978	0.210978
11	6	12	0	70	10	0.3	0.11	66.34	12.849	390.772	348.857	0.348857
11	6	13	0	70	10	0.3	0.11	66.329	12.85	391.676	349.729	0.349729
11	6	14	0	55	10	0.4	0.11	52.067	12.174	307.179	268.226	0.268226
11	6	15	0	53	9	0.4	0.11	50.157	11.098	298.827	260.17	0.26017
11	6	16	0	30	8	0.3	0.11	28.359	9.217	163.496	129.635	0.129635
11	6	17	0	0	7	0.3	0.11	0	0	0	0	0
11	6	18	0	0	7	0.3	0.11	0	7	0	0	0
11	6	19	0	0	6	0.3	0.11	0	6	0	0	0
11	6	20	0	0	6	0.3	0.11	0	6	0	0	0
11	6	21	0	0	5	0.2	0.11	0	5	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	6	22	0	0	4	0.2	0.11	0	4	0	0	0
11	6	23	0	0	3	0.1	0.11	0	3	0	0	0
11	7	0	0	0	3	0.1	0.11	0	3	0	0	0
11	7	1	0	0	2	0.1	0.11	0	2	0	0	0
11	7	2	0	0	2	0.2	0.11	0	2	0	0	0
11	7	3	0	0	1	0.2	0.11	0	1	0	0	0
11	7	4	0	0	0	0.1	0.11	0	0	0	0	0
11	7	5	0	0	0	0.1	0.11	0	0	0	0	0
11	7	6	0	0	0	0.1	0.11	0	0	0	0	0
11	7	7	204	18	0	0.1	0.11	59.303	2.12	198.299	163.204	0.163204
11	7	8	621	54	2	0.2	0.11	314.53	15.899	1910.406	1814.645	1.814645
11	7	9	544	101	5	0.3	0.11	439.435	24.036	2718.893	2594.484	2.594484
11	7	10	873	76	8	0.3	0.11	719.268	39.133	4199.419	4022.548	4.022548
11	7	11	644	141	9	0.3	0.11	689.247	38.768	3997.366	3827.656	3.827656
11	7	12	573	171	10	0.3	0.11	675.164	39.14	3899.441	3733.201	3.733201
11	7	13	367	214	10	0.4	0.11	529.876	32.175	3135.296	2996.132	2.996132
11	7	14	25	174	9	0.3	0.11	190.537	17.206	1159.486	1090.333	1.090333
11	7	15	58	131	8	0.2	0.11	167.991	15.483	1034.473	969.749	0.969749
11	7	16	19	61	6	0.2	0.11	70.306	9.108	417.974	375.095	0.375095
11	7	17	0	0	5	0.2	0.11	0	0	0	0	0
11	7	18	0	0	3	0.2	0.11	0	3	0	0	0
11	7	19	0	0	1	0.2	0.11	0	1	0	0	0
11	7	20	0	0	0	0.2	0.11	0	0	0	0	0
11	7	21	0	0	0	0.2	0.11	0	0	0	0	0
11	7	22	0	0	0	0.2	0.11	0	0	0	0	0
11	7	23	0	0	0	0.2	0.11	0	0	0	0	0
11	8	0	0	0	0	0.2	0.11	0	0	0	0	0
11	8	1	0	0	0	0.2	0.11	0	0	0	0	0
11	8	2	0	0	-1	0.2	0.11	0	-1	0	0	0
11	8	3	0	0	-1	0.2	0.11	0	-1	0	0	0
11	8	4	0	0	-1	0.2	0.11	0	-1	0	0	0
11	8	5	0	0	-1	0.2	0.11	0	-1	0	0	0
11	8	6	0	0	-1	0.2	0.11	0	-1	0	0	0
11	8	7	151	17	-1	0.2	0.11	43.003	0.484	142.243	109.135	0.109135
11	8	8	569	58	1	0.4	0.11	297.245	13.346	1818.365	1725.865	1.725865
11	8	9	736	79	3	0.5	0.11	522.929	24.351	3247.405	3104.269	3.104269
11	8	10	323	192	4	0.4	0.11	448.518	22.788	2755.37	2629.668	2.629668
11	8	11	386	215	5	0.4	0.11	551.514	28.078	3315.953	3170.388	3.170388
11	8	12	842	106	6	0.4	0.11	819.394	40.343	4726.301	4530.761	4.530761
11	8	13	825	103	6	0.4	0.11	768.961	38.249	4484.423	4297.454	4.297454
11	8	14	774	95	6	0.4	0.11	645.556	33.112	3862.664	3697.726	3.697726
11	8	15	664	82	5	0.4	0.11	453.602	24.076	2815.695	2687.855	2.687855
11	8	16	0	51	4	0.3	0.11	49.97	6.143	298.082	259.452	0.259452

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	8	17	0	0	2	0.2	0.11	0	2	0	0	0
11	8	18	0	0	0	0.2	0.11	0	0	0	0	0
11	8	19	0	0	0	0.2	0.12	0	0	0	0	0
11	8	20	0	0	0	0.2	0.12	0	0	0	0	0
11	8	21	0	0	0	0.2	0.12	0	0	0	0	0
11	8	22	0	0	-1	0.2	0.12	0	-1	0	0	0
11	8	23	0	0	-1	0.2	0.12	0	-1	0	0	0
11	9	0	0	0	-2	0.2	0.12	0	-2	0	0	0
11	9	1	0	0	-3	0.2	0.12	0	-3	0	0	0
11	9	2	0	0	-3	0.2	0.12	0	-3	0	0	0
11	9	3	0	0	-3	0.2	0.12	0	-3	0	0	0
11	9	4	0	0	-4	0.2	0.12	0	-4	0	0	0
11	9	5	0	0	-4	0.2	0.12	0	-4	0	0	0
11	9	6	0	0	-4	0.2	0.12	0	-4	0	0	0
11	9	7	206	16	-3	0.2	0.12	51.278	-1.267	166.481	132.514	0.132514
11	9	8	652	51	-1	0.3	0.12	317.876	12.598	1946.642	1849.597	1.849597
11	9	9	818	67	2	0.4	0.12	551.678	25.206	3420.344	3271.08	3.27108
11	9	10	900	74	5	0.4	0.12	726.362	35.505	4305.664	4125.029	4.125029
11	9	11	934	78	7	0.4	0.12	832.026	41.899	4782.128	4584.61	4.58461
11	9	12	942	78	8	0.3	0.12	859.411	45.148	4867.203	4666.671	4.666671
11	9	13	931	75	9	0.3	0.12	810.477	44.054	4623.587	4431.687	4.431687
11	9	14	884	70	9	0.3	0.12	686.181	38.721	4022.997	3852.379	3.852379
11	9	15	786	61	8	0.3	0.12	490.074	29.256	2990.762	2856.72	2.85672
11	9	16	571	42	5	0.2	0.12	246.287	15.735	1416.616	1338.352	1.338352
11	9	17	0	0	2	0.2	0.12	0	2	0	0	0
11	9	18	0	0	1	0.2	0.12	0	1	0	0	0
11	9	19	0	0	0	0.2	0.12	0	0	0	0	0
11	9	20	0	0	0	0.2	0.12	0	0	0	0	0
11	9	21	0	0	0	0.2	0.12	0	0	0	0	0
11	9	22	0	0	0	0.2	0.12	0	0	0	0	0
11	9	23	0	0	0	0.2	0.12	0	0	0	0	0
11	10	0	0	0	0	0.2	0.12	0	0	0	0	0
11	10	1	0	0	0	0.2	0.12	0	0	0	0	0
11	10	2	0	0	-1	0.1	0.12	0	-1	0	0	0
11	10	3	0	0	-1	0.1	0.12	0	-1	0	0	0
11	10	4	0	0	-1	0.1	0.12	0	-1	0	0	0
11	10	5	0	0	-1	0.1	0.12	0	-1	0	0	0
11	10	6	0	0	-2	0.1	0.12	0	-2	0	0	0
11	10	7	0	6	-1	0.1	0.12	5.819	-0.77	21.682	0	0
11	10	8	0	52	1	0.2	0.12	49.867	3.214	304.339	265.487	0.265487
11	10	9	364	126	5	0.2	0.12	358.634	21.017	2229.218	2122.16	2.12216
11	10	10	304	191	9	0.2	0.12	432.81	28.284	2601.983	2481.716	2.481716
11	10	11	826	98	12	0.2	0.12	773.909	46.52	4363.078	4180.409	4.180409

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	10	12	376	223	13	0.2	0.12	559.86	37.911	3235.273	3092.567	3.092567
11	10	13	812	97	14	0.3	0.12	748.066	46.346	4224.713	4046.947	4.046947
11	10	14	7	154	15	0.3	0.12	157.228	21.77	932.64	871.524	0.871524
11	10	15	0	28	14	0.2	0.12	26.467	15.177	150.7	117.292	0.117292
11	10	16	0	34	11	0.2	0.12	32.169	12.423	182.956	148.405	0.148405
11	10	17	0	0	9	0.2	0.12	0	9	0	0	0
11	10	18	0	0	9	0.2	0.12	0	9	0	0	0
11	10	19	0	0	9	0.2	0.12	0	9	0	0	0
11	10	20	0	0	8	0.2	0.12	0	8	0	0	0
11	10	21	0	0	8	0.2	0.12	0	8	0	0	0
11	10	22	0	0	8	0.2	0.12	0	8	0	0	0
11	10	23	0	0	9	0.2	0.12	0	9	0	0	0
11	11	0	0	0	9	0.2	0.12	0	9	0	0	0
11	11	1	0	0	9	0.2	0.12	0	9	0	0	0
11	11	2	0	0	10	0.2	0.12	0	10	0	0	0
11	11	3	0	0	10	0.3	0.12	0	10	0	0	0
11	11	4	0	0	10	0.3	0.12	0	10	0	0	0
11	11	5	0	0	10	0.3	0.12	0	10	0	0	0
11	11	6	0	0	11	0.4	0.12	0	11	0	0	0
11	11	7	19	10	11	0.4	0.12	12.914	11.448	43.417	13.811	0.013811
11	11	8	0	41	12	0.4	0.12	38.801	13.619	224.186	188.174	0.188174
11	11	9	0	84	13	0.5	0.12	80.64	16.274	478.997	433.956	0.433956
11	11	10	0	52	13	0.5	0.12	49.238	14.996	286.168	247.96	0.24796
11	11	11	0	34	14	0.5	0.12	32.185	15.303	182.427	147.895	0.147895
11	11	12	0	65	15	0.5	0.12	61.604	17.492	355.277	314.62	0.31462
11	11	13	0	52	16	0.5	0.12	49.252	17.994	281.404	243.364	0.243364
11	11	14	0	44	16	0.5	0.12	41.644	17.689	237.921	201.422	0.201422
11	11	15	0	26	15	0.4	0.12	24.573	16.028	138.91	105.92	0.10592
11	11	16	0	45	14	0.3	0.12	43.747	15.875	248.062	211.204	0.211204
11	11	17	0	0	14	0.3	0.12	0	14	0	0	0
11	11	18	0	0	14	0.3	0.12	0	14	0	0	0
11	11	19	0	0	14	0.3	0.12	0	14	0	0	0
11	11	20	0	0	14	0.4	0.12	0	14	0	0	0
11	11	21	0	0	15	0.3	0.12	0	15	0	0	0
11	11	22	0	0	15	0.3	0.12	0	15	0	0	0
11	11	23	0	0	16	0.4	0.12	0	16	0	0	0
11	12	0	0	0	16	0.4	0.12	0	16	0	0	0
11	12	1	0	0	16	0.5	0.12	0	16	0	0	0
11	12	2	0	0	16	0.5	0.12	0	16	0	0	0
11	12	3	0	0	16	0.4	0.12	0	16	0	0	0
11	12	4	0	0	16	0.3	0.12	0	16	0	0	0
11	12	5	0	0	15	0.2	0.12	0	15	0	0	0
11	12	6	0	0	15	0.2	0.12	0	15	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	12	7	0	4	15	0.2	0.12	3.879	15.149	13.053	0	0
11	12	8	27	73	16	0.3	0.12	87.123	19.743	505.085	459.12	0.45912
11	12	9	27	133	17	0.4	0.12	154.461	23.464	915.927	855.404	0.855404
11	12	10	116	202	18	0.4	0.12	304.455	30.734	1788.312	1696.877	1.696877
11	12	11	118	242	20	0.5	0.12	360.73	34.629	2083.747	1981.843	1.981843
11	12	12	457	203	21	0.5	0.12	611.185	45.838	3429.276	3279.695	3.279695
11	12	13	433	195	21	0.6	0.12	565.078	43.328	3207.614	3065.888	3.065888
11	12	14	376	163	21	0.5	0.12	437.541	38.817	2533.864	2416.011	2.416011
11	12	15	19	116	20	0.4	0.12	125.811	25.265	734.893	680.785	0.680785
11	12	16	0	50	19	0.4	0.12	49.535	21.058	275.698	237.861	0.237861
11	12	17	0	0	17	0.4	0.12	0	17	0	0	0
11	12	18	0	0	16	0.5	0.12	0	16	0	0	0
11	12	19	0	0	14	0.7	0.12	0	14	0	0	0
11	12	20	0	0	12	0.8	0.12	0	12	0	0	0
11	12	21	0	0	9	0.9	0.12	0	9	0	0	0
11	12	22	0	0	7	1	0.12	0	7	0	0	0
11	12	23	0	0	5	1	0.12	0	5	0	0	0
11	13	0	0	0	4	0.9	0.12	0	4	0	0	0
11	13	1	0	0	4	0.9	0.12	0	4	0	0	0
11	13	2	0	0	3	0.8	0.12	0	3	0	0	0
11	13	3	0	0	2	0.6	0.12	0	2	0	0	0
11	13	4	0	0	1	0.6	0.12	0	1	0	0	0
11	13	5	0	0	0	0.6	0.12	0	0	0	0	0
11	13	6	0	0	0	0.6	0.12	0	0	0	0	0
11	13	7	201	11	0	0.6	0.12	43.904	1.28	134.454	101.622	0.101622
11	13	8	667	44	1	0.7	0.12	309.563	12.758	1876.35	1781.796	1.781796
11	13	9	825	61	2	0.8	0.12	539.872	22.286	3386.346	3238.286	3.238286
11	13	10	895	71	3	0.9	0.12	709.33	28.921	4318.628	4137.534	4.137534
11	13	11	928	77	4	1	0.12	815.759	33.017	4862.532	4662.166	4.662166
11	13	12	938	78	5	1	0.12	846.048	35.084	4994.494	4789.451	4.789451
11	13	13	928	75	6	1	0.12	798.848	34.423	4741.183	4545.116	4.545116
11	13	14	878	71	5	0.9	0.12	675.443	29.691	4106.054	3932.492	3.932492
11	13	15	783	60	5	0.8	0.12	481.357	23.085	3005.596	2871.028	2.871028
11	13	16	578	39	4	0.6	0.12	239.448	13.229	1374.138	1297.378	1.297378
11	13	17	0	0	2	0.4	0.12	0	2	0	0	0
11	13	18	0	0	1	0.4	0.12	0	1	0	0	0
11	13	19	0	0	0	0.3	0.12	0	0	0	0	0
11	13	20	0	0	0	0.2	0.12	0	0	0	0	0
11	13	21	0	0	-1	0.2	0.12	0	-1	0	0	0
11	13	22	0	0	-2	0.2	0.12	0	-2	0	0	0
11	13	23	0	0	-2	0.2	0.12	0	-2	0	0	0
11	14	0	0	0	-2	0.2	0.12	0	-2	0	0	0
11	14	1	0	0	-2	0.2	0.12	0	-2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	14	2	0	0	-3	0.2	0.12	0	-3	0	0	0
11	14	3	0	0	-3	0.2	0.12	0	-3	0	0	0
11	14	4	0	0	-3	0.2	0.12	0	-3	0	0	0
11	14	5	0	0	-4	0.2	0.12	0	-4	0	0	0
11	14	6	0	0	-4	0.2	0.12	0	-4	0	0	0
11	14	7	0	0	-3	0.2	0.12	0	0	0	0	0
11	14	8	226	68	-1	0.3	0.12	165.299	6.07	1018.442	954.287	0.954287
11	14	9	264	132	2	0.3	0.12	299.164	14.943	1891.799	1796.697	1.796697
11	14	10	414	163	5	0.4	0.12	483.436	25.271	2956.445	2823.619	2.823619
11	14	11	499	177	7	0.5	0.12	601.019	31.445	3583.874	3428.815	3.428815
11	14	12	417	206	8	0.5	0.12	580.499	31.59	3447.512	3297.285	3.297285
11	14	13	325	209	8	0.5	0.12	487.441	27.812	2933.723	2801.702	2.801702
11	14	14	190	183	8	0.4	0.12	328.237	21.749	2012.13	1912.764	1.912764
11	14	15	8	110	7	0.3	0.12	113.822	11.909	698.559	645.739	0.645739
11	14	16	228	53	5	0.2	0.12	143.21	11.256	830.274	772.786	0.772786
11	14	17	0	0	3	0.2	0.12	0	3	0	0	0
11	14	18	0	0	3	0.2	0.12	0	3	0	0	0
11	14	19	0	0	3	0.2	0.12	0	3	0	0	0
11	14	20	0	0	3	0.2	0.12	0	3	0	0	0
11	14	21	0	0	3	0.2	0.12	0	3	0	0	0
11	14	22	0	0	3	0.2	0.12	0	3	0	0	0
11	14	23	0	0	3	0.2	0.12	0	3	0	0	0
11	15	0	0	0	3	0.2	0.12	0	3	0	0	0
11	15	1	0	0	3	0.2	0.12	0	3	0	0	0
11	15	2	0	0	2	0.2	0.12	0	2	0	0	0
11	15	3	0	0	2	0.2	0.12	0	2	0	0	0
11	15	4	0	0	2	0.2	0.12	0	2	0	0	0
11	15	5	0	0	2	0.3	0.12	0	2	0	0	0
11	15	6	0	0	2	0.2	0.12	0	2	0	0	0
11	15	7	0	0	2	0.2	0.12	0	0	0	0	0
11	15	8	0	49	3	0.3	0.12	47.169	5.027	283.874	245.747	0.245747
11	15	9	0	55	4	0.4	0.12	52.072	6.178	317.043	277.741	0.277741
11	15	10	193	195	5	0.4	0.12	349.007	19.613	2156.718	2052.229	2.052229
11	15	11	0	102	6	0.5	0.12	97.465	9.946	591.993	542.948	0.542948
11	15	12	0	107	6	0.5	0.12	102.385	10.144	621.608	571.514	0.571514
11	15	13	0	95	7	0.5	0.12	90.518	10.666	547.236	499.777	0.499777
11	15	14	602	128	8	0.4	0.12	557.004	31.387	3349.13	3202.389	3.202389
11	15	15	0	35	7	0.3	0.12	33.097	8.427	196.05	161.036	0.161036
11	15	16	206	63	7	0.2	0.12	143.751	13.284	828.725	771.292	0.771292
11	15	17	0	0	6	0.2	0.12	0	6	0	0	0
11	15	18	0	0	6	0.2	0.12	0	6	0	0	0
11	15	19	0	0	6	0.2	0.12	0	6	0	0	0
11	15	20	0	0	6	0.2	0.12	0	6	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	15	21	0	0	6	0.2	0.12	0	6	0	0	0
11	15	22	0	0	6	0.2	0.12	0	6	0	0	0
11	15	23	0	0	6	0.2	0.12	0	6	0	0	0
11	16	0	0	0	6	0.2	0.12	0	6	0	0	0
11	16	1	0	0	6	0.2	0.12	0	6	0	0	0
11	16	2	0	0	6	0.2	0.12	0	6	0	0	0
11	16	3	0	0	6	0.2	0.12	0	6	0	0	0
11	16	4	0	0	6	0.2	0.12	0	6	0	0	0
11	16	5	0	0	7	0.2	0.12	0	7	0	0	0
11	16	6	0	0	7	0.2	0.12	0	7	0	0	0
11	16	7	0	0	7	0.2	0.12	0	0	0	0	0
11	16	8	0	58	7	0.2	0.12	57.234	9.537	340.379	300.25	0.30025
11	16	9	0	48	9	0.3	0.12	45.426	10.958	269.668	232.045	0.232045
11	16	10	6	154	10	0.3	0.12	156.834	16.752	948.807	887.119	0.887119
11	16	11	0	79	12	0.3	0.12	74.897	15.22	440.909	397.218	0.397218
11	16	12	0	58	13	0.3	0.12	54.95	15.361	318.726	279.365	0.279365
11	16	13	0	62	14	0.4	0.12	58.74	16.45	340.891	300.744	0.300744
11	16	14	230	177	14	0.3	0.12	356.041	29.38	2125.845	2022.45	2.02245
11	16	15	0	98	13	0.2	0.12	96.802	17.307	577.219	528.698	0.528698
11	16	16	0	5	11	0.1	0.12	4.715	11.215	24.455	0	0
11	16	17	0	0	10	0.1	0.12	0	10	0	0	0
11	16	18	0	0	9	0.1	0.12	0	9	0	0	0
11	16	19	0	0	9	0.2	0.11	0	9	0	0	0
11	16	20	0	0	8	0.2	0.11	0	8	0	0	0
11	16	21	0	0	8	0.4	0.11	0	8	0	0	0
11	16	22	0	0	8	0.6	0.11	0	8	0	0	0
11	16	23	0	0	7	0.6	0.11	0	7	0	0	0
11	17	0	0	0	7	0.4	0.11	0	7	0	0	0
11	17	1	0	0	6	0.4	0.11	0	6	0	0	0
11	17	2	0	0	6	0.2	0.11	0	6	0	0	0
11	17	3	0	0	6	0.1	0.11	0	6	0	0	0
11	17	4	0	0	6	0.1	0.11	0	6	0	0	0
11	17	5	0	0	6	0.1	0.11	0	6	0	0	0
11	17	6	0	0	5	0.2	0.11	0	5	0	0	0
11	17	7	0	0	5	0.2	0.11	0	0	0	0	0
11	17	8	0	53	5	0.2	0.11	51.794	7.295	309.346	270.317	0.270317
11	17	9	41	129	7	0.2	0.11	158.508	14.059	978.553	915.811	0.915811
11	17	10	83	189	10	0.2	0.11	257.519	21.458	1562.343	1478.915	1.478915
11	17	11	812	104	13	0.3	0.11	753.819	45.602	4273.675	4094.174	4.094174
11	17	12	282	228	14	0.3	0.11	486.308	34.97	2837.817	2709.194	2.709194
11	17	13	809	100	15	0.4	0.11	735.371	45.86	4168.649	3992.869	3.992869
11	17	14	409	148	16	0.4	0.11	448.236	34.808	2644.405	2522.635	2.522635
11	17	15	647	75	15	0.3	0.11	426.644	33.487	2545.523	2427.257	2.427257

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	17	16	392	48	11	0.2	0.11	189.156	19.22	1053.552	988.153	0.988153
11	17	17	0	0	9	0.2	0.11	0	9	0	0	0
11	17	18	0	0	9	0.3	0.11	0	9	0	0	0
11	17	19	0	0	10	0.3	0.11	0	10	0	0	0
11	17	20	0	0	10	0.3	0.11	0	10	0	0	0
11	17	21	0	0	10	0.4	0.11	0	10	0	0	0
11	17	22	0	0	10	0.3	0.11	0	10	0	0	0
11	17	23	0	0	10	0.3	0.11	0	10	0	0	0
11	18	0	0	0	10	0.3	0.11	0	10	0	0	0
11	18	1	0	0	10	0.3	0.11	0	10	0	0	0
11	18	2	0	0	11	0.3	0.11	0	11	0	0	0
11	18	3	0	0	12	0.3	0.11	0	12	0	0	0
11	18	4	0	0	12	0.3	0.11	0	12	0	0	0
11	18	5	0	0	13	0.4	0.11	0	13	0	0	0
11	18	6	0	0	13	0.4	0.11	0	13	0	0	0
11	18	7	0	0	13	0.4	0.11	0	0	0	0	0
11	18	8	0	14	13	0.4	0.11	13.211	13.55	72.223	41.596	0.041596
11	18	9	0	60	14	0.5	0.11	56.805	16.307	332.819	292.958	0.292958
11	18	10	0	75	16	0.7	0.11	71.057	18.723	413.643	370.918	0.370918
11	18	11	0	152	17	0.8	0.11	149.076	22.553	875.036	815.962	0.815962
11	18	12	1	163	18	0.8	0.11	161.097	23.999	941.42	879.994	0.879994
11	18	13	0	128	18	0.8	0.11	124.167	22.626	724.238	670.508	0.670508
11	18	14	13	151	18	0.9	0.11	159.017	23.781	938.322	877.005	0.877005
11	18	15	0	72	19	1	0.11	69.151	21.452	399.66	357.431	0.357431
11	18	16	0	1	18	1	0.11	0.942	18.033	0	0	0
11	18	17	0	0	18	0.9	0.11	0	18	0	0	0
11	18	18	0	0	17	0.7	0.11	0	17	0	0	0
11	18	19	0	0	17	0.6	0.11	0	17	0	0	0
11	18	20	0	0	16	0.5	0.11	0	16	0	0	0
11	18	21	0	0	16	0.3	0.11	0	16	0	0	0
11	18	22	0	0	15	0.2	0.11	0	15	0	0	0
11	18	23	0	0	15	0.2	0.11	0	15	0	0	0
11	19	0	0	0	14	0.2	0.11	0	14	0	0	0
11	19	1	0	0	13	0.2	0.11	0	13	0	0	0
11	19	2	0	0	12	0.2	0.11	0	12	0	0	0
11	19	3	0	0	12	0.2	0.11	0	12	0	0	0
11	19	4	0	0	12	0.2	0.11	0	12	0	0	0
11	19	5	0	0	12	0.3	0.11	0	12	0	0	0
11	19	6	0	0	11	0.2	0.11	0	11	0	0	0
11	19	7	0	0	11	0.1	0.11	0	0	0	0	0
11	19	8	97	65	11	0.2	0.11	108.872	15.803	635.734	585.139	0.585139
11	19	9	0	104	12	0.4	0.11	102.619	16.292	615.855	565.965	0.565965
11	19	10	236	184	12	0.6	0.11	373.206	26.753	2252.389	2144.51	2.14451

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	19	11	447	182	13	0.7	0.11	560.854	34.562	3303.507	3158.383	3.158383
11	19	12	918	74	14	0.8	0.11	811.385	44.407	4624.256	4432.332	4.432332
11	19	13	914	68	14	0.8	0.11	767.34	42.774	4413.905	4229.435	4.229435
11	19	14	864	62	14	0.7	0.11	640.953	38.728	3766.566	3605.034	3.605034
11	19	15	762	53	13	0.6	0.11	455.476	31.069	2749.533	2624.038	2.624038
11	19	16	544	34	11	0.4	0.11	219.593	19.932	1207.511	1136.656	1.136656
11	19	17	0	0	9	0.4	0.11	0	9	0	0	0
11	19	18	0	0	9	0.4	0.11	0	9	0	0	0
11	19	19	0	0	8	0.4	0.11	0	8	0	0	0
11	19	20	0	0	7	0.3	0.11	0	7	0	0	0
11	19	21	0	0	6	0.3	0.11	0	6	0	0	0
11	19	22	0	0	6	0.3	0.11	0	6	0	0	0
11	19	23	0	0	5	0.3	0.11	0	5	0	0	0
11	20	0	0	0	4	0.2	0.11	0	4	0	0	0
11	20	1	0	0	3	0.2	0.11	0	3	0	0	0
11	20	2	0	0	3	0.3	0.11	0	3	0	0	0
11	20	3	0	0	3	0.6	0.11	0	3	0	0	0
11	20	4	0	0	3	0.8	0.11	0	3	0	0	0
11	20	5	0	0	3	0.8	0.11	0	3	0	0	0
11	20	6	0	0	3	0.8	0.11	0	3	0	0	0
11	20	7	0	0	3	0.5	0.11	0	0	0	0	0
11	20	8	569	42	6	0.3	0.11	260.167	17.049	1519.383	1437.477	1.437477
11	20	9	762	59	9	0.3	0.11	488.083	30.171	2968.365	2835.116	2.835116
11	20	10	846	68	12	0.4	0.11	660.319	39.752	3859.104	3694.293	3.694293
11	20	11	884	72	14	0.4	0.11	759.194	45.871	4309.065	4128.31	4.12831
11	20	12	895	72	15	0.4	0.11	788.917	48.107	4429.947	4244.908	4.244908
11	20	13	885	68	16	0.5	0.11	743.954	46.331	4218.439	4040.895	4.040895
11	20	14	842	62	17	0.4	0.11	625.268	43.29	3606.891	3451.017	3.451017
11	20	15	746	53	16	0.3	0.11	446.487	35.35	2647.675	2525.789	2.525789
11	20	16	528	34	13	0.3	0.11	214.069	21.972	1164.711	1095.373	1.095373
11	20	17	0	0	10	0.3	0.11	0	10	0	0	0
11	20	18	0	0	9	0.3	0.11	0	9	0	0	0
11	20	19	0	0	9	0.3	0.11	0	9	0	0	0
11	20	20	0	0	9	0.3	0.11	0	9	0	0	0
11	20	21	0	0	8	0.3	0.11	0	8	0	0	0
11	20	22	0	0	8	0.3	0.11	0	8	0	0	0
11	20	23	0	0	8	0.3	0.11	0	8	0	0	0
11	21	0	0	0	8	0.3	0.11	0	8	0	0	0
11	21	1	0	0	8	0.3	0.11	0	8	0	0	0
11	21	2	0	0	8	0.3	0.11	0	8	0	0	0
11	21	3	0	0	8	0.3	0.11	0	8	0	0	0
11	21	4	0	0	8	0.3	0.11	0	8	0	0	0
11	21	5	0	0	8	0.3	0.11	0	8	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	21	6	0	0	7	0.3	0.11	0	7	0	0	0
11	21	7	0	0	8	0.3	0.11	0	0	0	0	0
11	21	8	557	43	10	0.3	0.11	258.149	20.958	1481.647	1401.078	1.401078
11	21	9	758	60	12	0.4	0.11	485.047	32.409	2923.683	2792.017	2.792017
11	21	10	383	160	15	0.5	0.11	451.908	33.404	2677.984	2555.024	2.555024
11	21	11	511	163	17	0.5	0.11	585.367	40.824	3370.104	3222.619	3.222619
11	21	12	656	127	18	0.5	0.11	674.893	45.476	3819.782	3656.364	3.656364
11	21	13	887	71	19	0.5	0.11	747.326	49.469	4182.916	4006.631	4.006631
11	21	14	526	121	18	0.4	0.11	490.599	38.603	2863.97	2734.42	2.73442
11	21	15	697	52	17	0.3	0.11	419.949	35.197	2487.66	2371.445	2.371445
11	21	16	514	35	14	0.2	0.11	210.186	23.086	1136.257	1067.927	1.067927
11	21	17	0	0	11	0.2	0.11	0	11	0	0	0
11	21	18	0	0	10	0.2	0.11	0	10	0	0	0
11	21	19	0	0	10	0.3	0.11	0	10	0	0	0
11	21	20	0	0	9	0.3	0.11	0	9	0	0	0
11	21	21	0	0	9	0.3	0.11	0	9	0	0	0
11	21	22	0	0	9	0.3	0.11	0	9	0	0	0
11	21	23	0	0	9	0.3	0.11	0	9	0	0	0
11	22	0	0	0	9	0.3	0.11	0	9	0	0	0
11	22	1	0	0	9	0.3	0.11	0	9	0	0	0
11	22	2	0	0	9	0.3	0.11	0	9	0	0	0
11	22	3	0	0	9	0.3	0.11	0	9	0	0	0
11	22	4	0	0	9	0.3	0.11	0	9	0	0	0
11	22	5	0	0	10	0.3	0.11	0	10	0	0	0
11	22	6	0	0	10	0.3	0.11	0	10	0	0	0
11	22	7	0	0	10	0.3	0.11	0	0	0	0	0
11	22	8	0	11	11	0.4	0.11	10.377	11.432	56.37	26.305	0.026305
11	22	9	198	124	13	0.5	0.11	250.822	23.217	1527.499	1445.306	1.445306
11	22	10	470	139	16	0.6	0.11	485.283	35.217	2864.926	2735.343	2.735343
11	22	11	691	127	17	0.6	0.11	682.849	44.028	3895.108	3729.021	3.729021
11	22	12	712	127	18	0.6	0.11	716.79	46.362	4044.959	3873.562	3.873562
11	22	13	383	185	19	0.6	0.11	497.975	38.687	2882.202	2752.006	2.752006
11	22	14	436	137	19	0.5	0.11	450.263	37.351	2633.72	2512.329	2.512329
11	22	15	606	63	18	0.4	0.11	388.61	34.329	2302.956	2193.285	2.193285
11	22	16	264	48	17	0.3	0.11	148.162	23.237	803.72	747.173	0.747173
11	22	17	0	0	16	0.3	0.11	0	16	0	0	0
11	22	18	0	0	15	0.3	0.11	0	15	0	0	0
11	22	19	0	0	15	0.3	0.11	0	15	0	0	0
11	22	20	0	0	15	0.3	0.11	0	15	0	0	0
11	22	21	0	0	15	0.3	0.11	0	15	0	0	0
11	22	22	0	0	14	0.3	0.11	0	14	0	0	0
11	22	23	0	0	14	0.3	0.11	0	14	0	0	0
11	23	0	0	0	13	0.3	0.11	0	13	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	23	1	0	0	13	0.3	0.11	0	13	0	0	0
11	23	2	0	0	13	0.3	0.11	0	13	0	0	0
11	23	3	0	0	13	0.3	0.11	0	13	0	0	0
11	23	4	0	0	12	0.3	0.11	0	12	0	0	0
11	23	5	0	0	11	0.3	0.11	0	11	0	0	0
11	23	6	0	0	11	0.3	0.11	0	11	0	0	0
11	23	7	0	0	11	0.3	0.11	0	11	0	0	0
11	23	8	134	58	12	0.5	0.11	118.168	16.743	681.4	629.187	0.629187
11	23	9	532	82	14	0.6	0.11	389.082	29.435	2356.938	2245.354	2.245354
11	23	10	296	168	16	0.7	0.11	392.5	31.101	2337.915	2227.006	2.227006
11	23	11	460	172	17	0.8	0.11	555.107	37.778	3232.198	3089.601	3.089601
11	23	12	697	114	18	0.9	0.11	688.77	43.129	3940.866	3773.157	3.773157
11	23	13	466	166	18	0.9	0.11	547.431	37.962	3187.427	3046.415	3.046415
11	23	14	242	166	18	0.8	0.11	349.483	31.086	2075.592	1973.977	1.973977
11	23	15	212	109	17	0.7	0.11	234.354	26.018	1406.035	1328.146	1.328146
11	23	16	250	44	16	0.5	0.11	138.993	21.508	755.895	701.042	0.701042
11	23	17	0	0	15	0.5	0.11	0	15	0	0	0
11	23	18	0	0	14	0.6	0.11	0	14	0	0	0
11	23	19	0	0	14	0.6	0.11	0	14	0	0	0
11	23	20	0	0	14	0.6	0.11	0	14	0	0	0
11	23	21	0	0	14	0.7	0.11	0	14	0	0	0
11	23	22	0	0	15	0.7	0.11	0	15	0	0	0
11	23	23	0	0	14	0.7	0.11	0	14	0	0	0
11	24	0	0	0	14	0.6	0.11	0	14	0	0	0
11	24	1	0	0	13	0.5	0.11	0	13	0	0	0
11	24	2	0	0	11	0.5	0.11	0	11	0	0	0
11	24	3	0	0	8	0.7	0.11	0	8	0	0	0
11	24	4	0	0	4	0.8	0.11	0	4	0	0	0
11	24	5	0	0	2	0.8	0.11	0	2	0	0	0
11	24	6	0	0	1	0.8	0.11	0	1	0	0	0
11	24	7	0	0	1	0.8	0.11	0	1	0	0	0
11	24	8	0	15	1	0.8	0.11	14.157	1.525	81.397	50.445	0.050445
11	24	9	0	18	1	0.9	0.11	16.998	1.618	100.841	69.2	0.0692
11	24	10	0	52	1	1	0.11	49.214	2.743	302.038	263.268	0.263268
11	24	11	0	65	1	1	0.11	61.565	3.178	378.568	337.086	0.337086
11	24	12	0	67	1	1	0.11	63.47	3.244	390.018	348.13	0.34813
11	24	13	0	117	1	1	0.11	113.106	5.002	706.279	653.185	0.653185
11	24	14	0	129	0	0.9	0.11	127.338	4.629	803.644	747.1	0.7471
11	24	15	8	101	0	0.8	0.11	105.197	3.93	663.867	612.276	0.612276
11	24	16	406	45	0	0.6	0.11	188.354	7.229	1082.22	1015.804	1.015804
11	24	17	0	0	-1	0.4	0.11	0	-1	0	0	0
11	24	18	0	0	-2	0.4	0.11	0	-2	0	0	0
11	24	19	0	0	-3	0.4	0.11	0	-3	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	24	20	0	0	-3	0.4	0.11	0	-3	0	0	0
11	24	21	0	0	-4	0.4	0.11	0	-4	0	0	0
11	24	22	0	0	-4	0.3	0.11	0	-4	0	0	0
11	24	23	0	0	-4	0.3	0.11	0	-4	0	0	0
11	25	0	0	0	-5	0.3	0.11	0	-5	0	0	0
11	25	1	0	0	-5	0.3	0.11	0	-5	0	0	0
11	25	2	0	0	-5	0.3	0.11	0	-5	0	0	0
11	25	3	0	0	-4	0.2	0.11	0	-4	0	0	0
11	25	4	0	0	-4	0.2	0.11	0	-4	0	0	0
11	25	5	0	0	-4	0.3	0.11	0	-4	0	0	0
11	25	6	0	0	-3	0.3	0.11	0	-3	0	0	0
11	25	7	0	0	-2	0.2	0.11	0	-2	0	0	0
11	25	8	130	56	-1	0.3	0.11	114.175	3.86	688.797	636.322	0.636322
11	25	9	779	59	0	0.3	0.11	486.903	21.12	3065.389	2928.702	2.928702
11	25	10	476	134	2	0.4	0.11	480.132	22.156	2983.965	2850.163	2.850163
11	25	11	924	69	3	0.5	0.11	774.617	34.585	4606.116	4414.835	4.414835
11	25	12	178	226	4	0.5	0.11	389.964	19.834	2402.014	2288.833	2.288833
11	25	13	256	202	5	0.5	0.11	423.507	22.217	2601.014	2480.782	2.480782
11	25	14	758	67	5	0.5	0.11	575.864	28.509	3520.658	3367.839	3.367839
11	25	15	486	78	4	0.4	0.11	344.248	18.455	2159.228	2054.65	2.05465
11	25	16	315	43	2	0.2	0.11	158.061	8.844	900.237	840.27	0.84027
11	25	17	0	0	1	0.2	0.11	0	1	0	0	0
11	25	18	0	0	1	0.2	0.11	0	1	0	0	0
11	25	19	0	0	1	0.2	0.11	0	1	0	0	0
11	25	20	0	0	1	0.3	0.11	0	1	0	0	0
11	25	21	0	0	0	0.3	0.11	0	0	0	0	0
11	25	22	0	0	0	0.3	0.11	0	0	0	0	0
11	25	23	0	0	0	0.2	0.11	0	0	0	0	0
11	26	0	0	0	0	0.2	0.11	0	0	0	0	0
11	26	1	0	0	1	0.2	0.11	0	1	0	0	0
11	26	2	0	0	1	0.2	0.11	0	1	0	0	0
11	26	3	0	0	1	0.2	0.11	0	1	0	0	0
11	26	4	0	0	1	0.2	0.11	0	1	0	0	0
11	26	5	0	0	1	0.2	0.11	0	1	0	0	0
11	26	6	0	0	1	0.2	0.11	0	1	0	0	0
11	26	7	0	0	1	0.2	0.11	0	1	0	0	0
11	26	8	0	39	2	0.3	0.11	37.486	3.605	221.712	185.788	0.185788
11	26	9	119	121	4	0.4	0.11	197.987	12.3	1245.366	1173.169	1.173169
11	26	10	450	138	6	0.5	0.11	466.527	25.014	2866.096	2736.471	2.736471
11	26	11	337	193	8	0.5	0.11	474.77	27.311	2869.91	2740.15	2.74015
11	26	12	287	212	9	0.5	0.11	467.435	27.997	2808.943	2681.343	2.681343
11	26	13	56	198	10	0.6	0.11	252.019	19.937	1531.431	1449.099	1.449099
11	26	14	48	160	10	0.5	0.11	200.727	18.155	1225.872	1154.367	1.154367

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	26	15	289	100	9	0.3	0.11	261.532	20.31	1612.302	1527.104	1.527104
11	26	16	199	46	6	0.2	0.11	125.722	11.46	710.255	657.02	0.65702
11	26	17	0	0	4	0.2	0.11	0	4	0	0	0
11	26	18	0	0	4	0.3	0.11	0	4	0	0	0
11	26	19	0	0	4	0.3	0.11	0	4	0	0	0
11	26	20	0	0	5	0.3	0.11	0	5	0	0	0
11	26	21	0	0	5	0.3	0.11	0	5	0	0	0
11	26	22	0	0	5	0.3	0.11	0	5	0	0	0
11	26	23	0	0	5	0.3	0.11	0	5	0	0	0
11	27	0	0	0	6	0.4	0.11	0	6	0	0	0
11	27	1	0	0	7	0.4	0.11	0	7	0	0	0
11	27	2	0	0	7	0.5	0.11	0	7	0	0	0
11	27	3	0	0	7	0.5	0.11	0	7	0	0	0
11	27	4	0	0	6	0.4	0.11	0	6	0	0	0
11	27	5	0	0	6	0.3	0.11	0	6	0	0	0
11	27	6	0	0	6	0.2	0.11	0	6	0	0	0
11	27	7	0	0	6	0.2	0.11	0	6	0	0	0
11	27	8	0	10	6	0.2	0.11	9.432	6.416	51.845	21.94	0.02194
11	27	9	0	36	7	0.3	0.11	34.034	8.467	201.804	166.585	0.166585
11	27	10	0	57	7	0.4	0.11	53.957	9.255	323.812	284.27	0.28427
11	27	11	0	78	8	0.4	0.11	73.915	11.085	443.646	399.858	0.399858
11	27	12	0	117	9	0.4	0.11	112.891	13.709	680.215	628.044	0.628044
11	27	13	3	158	9	0.3	0.11	158.866	15.836	963.103	900.908	0.900908
11	27	14	0	54	9	0.2	0.11	51.108	11.272	303.723	264.893	0.264893
11	27	15	0	48	9	0.2	0.11	45.416	11.02	269.466	231.85	0.23185
11	27	16	0	7	8	0.2	0.11	6.6	8.29	34.756	5.456	0.005456
11	27	17	0	0	7	0.1	0.11	0	7	0	0	0
11	27	18	0	0	7	0.1	0.11	0	7	0	0	0
11	27	19	0	0	7	0.1	0.11	0	7	0	0	0
11	27	20	0	0	6	0.2	0.11	0	6	0	0	0
11	27	21	0	0	6	0.2	0.11	0	6	0	0	0
11	27	22	0	0	6	0.2	0.11	0	6	0	0	0
11	27	23	0	0	6	0.2	0.11	0	6	0	0	0
11	28	0	0	0	6	0.2	0.11	0	6	0	0	0
11	28	1	0	0	6	0.2	0.11	0	6	0	0	0
11	28	2	0	0	6	0.3	0.11	0	6	0	0	0
11	28	3	0	0	6	0.4	0.11	0	6	0	0	0
11	28	4	0	0	5	0.5	0.11	0	5	0	0	0
11	28	5	0	0	4	0.7	0.11	0	4	0	0	0
11	28	6	0	0	3	0.8	0.11	0	3	0	0	0
11	28	7	0	0	2	0.8	0.11	0	2	0	0	0
11	28	8	0	11	2	0.8	0.11	10.377	2.384	58.259	28.127	0.028127
11	28	9	0	25	2	0.8	0.11	23.618	2.882	141.252	108.179	0.108179

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	28	10	0	110	3	0.8	0.11	107.022	6.994	665.228	613.589	0.613589
11	28	11	0	62	3	0.9	0.11	58.714	5.131	357.897	317.147	0.317147
11	28	12	0	89	3	1	0.11	84.564	5.991	519.942	473.45	0.47345
11	28	13	0	59	3	1	0.11	55.865	4.977	340.251	300.127	0.300127
11	28	14	0	43	2	1	0.11	40.675	3.441	247.459	210.623	0.210623
11	28	15	0	30	1	1	0.11	28.35	2.005	171.366	137.226	0.137226
11	28	16	0	7	0	0.9	0.11	6.6	0.237	36.081	6.735	0.006735
11	28	17	0	0	0	0.8	0.11	0	0	0	0	0
11	28	18	0	0	0	0.8	0.11	0	0	0	0	0
11	28	19	0	0	0	0.8	0.11	0	0	0	0	0
11	28	20	0	0	-1	0.8	0.11	0	-1	0	0	0
11	28	21	0	0	-1	0.8	0.11	0	-1	0	0	0
11	28	22	0	0	-1	0.8	0.11	0	-1	0	0	0
11	28	23	0	0	-1	0.9	0.11	0	-1	0	0	0
11	29	0	0	0	-1	0.9	0.11	0	-1	0	0	0
11	29	1	0	0	-1	1	0.11	0	-1	0	0	0
11	29	2	0	0	-1	1	0.11	0	-1	0	0	0
11	29	3	0	0	-1	0.9	0.11	0	-1	0	0	0
11	29	4	0	0	-1	0.8	0.11	0	-1	0	0	0
11	29	5	0	0	-2	0.7	0.11	0	-2	0	0	0
11	29	6	0	0	-2	0.7	0.11	0	-2	0	0	0
11	29	7	0	0	-2	0.7	0.11	0	-2	0	0	0
11	29	8	425	48	-1	0.7	0.11	207.588	6.799	1225.066	1153.589	1.153589
11	29	9	0	22	0	0.8	0.11	20.779	0.776	124.733	92.245	0.092245
11	29	10	0	64	0	0.8	0.11	60.603	2.262	375.972	334.582	0.334582
11	29	11	0	106	1	0.8	0.11	101.911	4.799	634.875	584.311	0.584311
11	29	12	0	112	1	0.8	0.11	107.833	5.018	671.425	619.566	0.619566
11	29	13	866	78	2	0.7	0.11	734.079	30.292	4441.587	4256.136	4.256136
11	29	14	809	73	2	0.7	0.11	611.957	25.613	3785.538	3623.333	3.623333
11	29	15	195	105	2	0.6	0.11	221.191	10.749	1403.668	1325.862	1.325862
11	29	16	243	42	1	0.4	0.11	134.794	6.487	770.377	715.011	0.715011
11	29	17	0	0	0	0.4	0.11	0	0	0	0	0
11	29	18	0	0	0	0.4	0.11	0	0	0	0	0
11	29	19	0	0	0	0.4	0.11	0	0	0	0	0
11	29	20	0	0	-1	0.5	0.11	0	-1	0	0	0
11	29	21	0	0	-1	0.5	0.11	0	-1	0	0	0
11	29	22	0	0	-1	0.5	0.11	0	-1	0	0	0
11	29	23	0	0	-1	0.5	0.11	0	-1	0	0	0
11	30	0	0	0	-1	0.5	0.11	0	-1	0	0	0
11	30	1	0	0	-1	0.5	0.11	0	-1	0	0	0
11	30	2	0	0	0	0.5	0.11	0	0	0	0	0
11	30	3	0	0	0	0.6	0.11	0	0	0	0	0
11	30	4	0	0	0	0.5	0.11	0	0	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
11	30	5	0	0	0	0.5	0.11	0	0	0	0	0
11	30	6	0	0	0	0.5	0.11	0	0	0	0	0
11	30	7	0	0	0	0.5	0.11	0	0	0	0	0
11	30	8	110	49	1	0.6	0.11	98.354	4.819	581.381	532.713	0.532713
11	30	9	729	58	3	0.7	0.11	450.391	20.381	2835.236	2706.705	2.706705
11	30	10	842	65	5	0.8	0.11	633.099	28.776	3870.128	3704.926	3.704926
11	30	11	887	68	8	0.8	0.11	736.332	35.623	4365.639	4182.879	4.182879
11	30	12	895	70	10	0.8	0.11	768.527	38.819	4491.618	4304.394	4.304394
11	30	13	874	70	11	0.7	0.11	723.824	38.901	4237.233	4059.023	4.059023
11	30	14	824	64	11	0.7	0.11	610.228	34.549	3648.773	3491.414	3.491414
11	30	15	717	53	10	0.6	0.11	426.186	26.891	2602.947	2482.647	2.482647
11	30	16	462	33	8	0.5	0.11	193.481	15.606	1061.232	995.561	0.995561
11	30	17	0	0	7	0.5	0.11	0	7	0	0	0
11	30	18	0	0	7	0.5	0.11	0	7	0	0	0
11	30	19	0	0	0	0.3	0.11	0	0	0	0	0
11	30	20	0	0	0	0.3	0.11	0	0	0	0	0
11	30	21	0	0	0	0.4	0.11	0	0	0	0	0
11	30	22	0	0	0	0.3	0.11	0	0	0	0	0
11	30	23	0	0	0	0.3	0.11	0	0	0	0	0
12	1	0	0	0	0	0.3	0.11	0	0	0	0	0
12	1	1	0	0	0	0.4	0.11	0	0	0	0	0
12	1	2	0	0	0	0.4	0.11	0	0	0	0	0
12	1	3	0	0	0	0.4	0.11	0	0	0	0	0
12	1	4	0	0	0	0.4	0.11	0	0	0	0	0
12	1	5	0	0	0	0.4	0.11	0	0	0	0	0
12	1	6	0	0	0	0.3	0.11	0	0	0	0	0
12	1	7	0	0	0	0.3	0.11	0	0	0	0	0
12	1	8	0	35	1	0.4	0.11	33.597	2.392	197.007	161.958	0.161958
12	1	9	0	94	3	0.4	0.11	93.444	6.908	580.048	531.427	0.531427
12	1	10	28	152	4	0.4	0.11	178.89	11.482	1115.447	1047.854	1.047854
12	1	11	29	188	5	0.4	0.11	221.056	14.234	1366.078	1289.604	1.289604
12	1	12	32	199	7	0.4	0.11	236.028	16.856	1444.652	1365.394	1.365394
12	1	13	73	203	8	0.4	0.11	271.08	19.333	1657.205	1570.415	1.570415
12	1	14	68	164	8	0.3	0.11	219.001	17.45	1347.033	1271.234	1.271234
12	1	15	62	105	6	0.4	0.11	142.725	11.975	885.073	825.643	0.825643
12	1	16	291	44	3	0.7	0.11	152.344	8.682	862.388	803.762	0.803762
12	1	17	0	0	1	0.7	0.11	0	1	0	0	0
12	1	18	0	0	1	0.4	0.11	0	1	0	0	0
12	1	19	0	0	1	0.2	0.11	0	1	0	0	0
12	1	20	0	0	1	0.2	0.11	0	1	0	0	0
12	1	21	0	0	1	0.3	0.11	0	1	0	0	0
12	1	22	0	0	1	0.6	0.11	0	1	0	0	0
12	1	23	0	0	2	0.7	0.11	0	2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	2	0	0	0	2	0.7	0.11	0	2	0	0	0
12	2	1	0	0	1	0.6	0.11	0	1	0	0	0
12	2	2	0	0	1	0.4	0.11	0	1	0	0	0
12	2	3	0	0	1	0.2	0.11	0	1	0	0	0
12	2	4	0	0	1	0.2	0.11	0	1	0	0	0
12	2	5	0	0	0	0.2	0.11	0	0	0	0	0
12	2	6	0	0	0	0.1	0.11	0	0	0	0	0
12	2	7	0	0	0	0.1	0.11	0	0	0	0	0
12	2	8	0	36	0	0.2	0.11	34.848	1.534	204.924	169.594	0.169594
12	2	9	34	111	2	0.2	0.11	136.087	8.059	854.635	796.284	0.796284
12	2	10	78	164	4	0.2	0.11	225.606	14.046	1407.606	1329.661	1.329661
12	2	11	122	204	7	0.2	0.11	318.063	21.152	1942.892	1845.98	1.84598
12	2	12	27	189	9	0.2	0.11	210.666	18.357	1277.581	1204.243	1.204243
12	2	13	558	135	10	0.2	0.11	572.604	35.557	3379.658	3231.835	3.231835
12	2	14	132	173	10	0.2	0.11	279.061	22.435	1700.094	1611.785	1.611785
12	2	15	284	96	9	0.4	0.11	254.127	19.658	1567.964	1484.337	1.484337
12	2	16	0	38	7	0.8	0.11	37.949	8.398	214.769	179.091	0.179091
12	2	17	0	0	5	0.8	0.11	0	5	0	0	0
12	2	18	0	0	4	0.5	0.11	0	4	0	0	0
12	2	19	0	0	3	0.2	0.11	0	3	0	0	0
12	2	20	0	0	3	0.2	0.11	0	3	0	0	0
12	2	21	0	0	3	0.2	0.11	0	3	0	0	0
12	2	22	0	0	2	0.3	0.11	0	2	0	0	0
12	2	23	0	0	2	0.2	0.11	0	2	0	0	0
12	3	0	0	0	2	0.2	0.11	0	2	0	0	0
12	3	1	0	0	3	0.2	0.11	0	3	0	0	0
12	3	2	0	0	3	0.2	0.11	0	3	0	0	0
12	3	3	0	0	2	0.3	0.11	0	2	0	0	0
12	3	4	0	0	2	0.3	0.11	0	2	0	0	0
12	3	5	0	0	2	0.2	0.11	0	2	0	0	0
12	3	6	0	0	2	0.2	0.11	0	2	0	0	0
12	3	7	0	0	3	0.3	0.11	0	3	0	0	0
12	3	8	0	30	3	0.3	0.11	28.377	4.21	163.25	129.397	0.129397
12	3	9	0	77	4	0.3	0.11	74.988	7.233	461.025	416.621	0.416621
12	3	10	0	117	5	0.2	0.11	114.868	10.107	707.719	654.574	0.654574
12	3	11	191	201	7	0.2	0.11	364.433	23.228	2221.672	2114.881	2.114881
12	3	12	265	206	8	0.3	0.11	441.36	27.048	2661.67	2539.288	2.539288
12	3	13	109	200	9	0.4	0.11	293.627	21.283	1789.327	1697.856	1.697856
12	3	14	80	160	10	0.3	0.11	221.94	19.58	1355.761	1279.653	1.279653
12	3	15	81	105	9	0.2	0.11	158.659	16.067	972.344	909.822	0.909822
12	3	16	10	40	7	0.2	0.11	43.571	8.908	245.744	208.969	0.208969
12	3	17	0	0	7	0.2	0.11	0	7	0	0	0
12	3	18	0	0	8	0.3	0.11	0	8	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	3	19	0	0	7	0.3	0.11	0	7	0	0	0
12	3	20	0	0	7	0.3	0.11	0	7	0	0	0
12	3	21	0	0	7	0.3	0.11	0	7	0	0	0
12	3	22	0	0	7	0.3	0.11	0	7	0	0	0
12	3	23	0	0	8	0.3	0.11	0	8	0	0	0
12	4	0	0	0	8	0.3	0.11	0	8	0	0	0
12	4	1	0	0	8	0.3	0.11	0	8	0	0	0
12	4	2	0	0	7	0.3	0.11	0	7	0	0	0
12	4	3	0	0	6	0.3	0.11	0	6	0	0	0
12	4	4	0	0	6	0.3	0.11	0	6	0	0	0
12	4	5	0	0	6	0.3	0.11	0	6	0	0	0
12	4	6	0	0	6	0.3	0.11	0	6	0	0	0
12	4	7	0	0	7	0.3	0.11	0	7	0	0	0
12	4	8	0	15	8	0.3	0.11	14.159	8.603	77.319	46.511	0.046511
12	4	9	0	69	9	0.4	0.11	66.5	11.781	399.45	357.228	0.357228
12	4	10	5	136	11	0.5	0.11	138.884	16.637	840.159	782.32	0.78232
12	4	11	4	155	12	0.6	0.11	156.845	18.179	942.552	881.086	0.881086
12	4	12	18	180	13	0.7	0.11	194.073	20.435	1163.838	1094.531	1.094531
12	4	13	0	132	14	0.7	0.11	129.29	18.953	768.956	713.641	0.713641
12	4	14	3	132	15	0.7	0.11	133.378	20.117	794.481	738.261	0.738261
12	4	15	93	105	16	0.6	0.11	164.666	22.507	985.278	922.298	0.922298
12	4	16	175	43	15	0.6	0.11	115.643	19.446	626.447	576.182	0.576182
12	4	17	0	0	15	0.6	0.11	0	15	0	0	0
12	4	18	0	0	15	0.6	0.11	0	15	0	0	0
12	4	19	0	0	15	0.6	0.11	0	15	0	0	0
12	4	20	0	0	15	0.7	0.11	0	15	0	0	0
12	4	21	0	0	15	0.7	0.11	0	15	0	0	0
12	4	22	0	0	15	0.8	0.11	0	15	0	0	0
12	4	23	0	0	16	0.8	0.11	0	16	0	0	0
12	5	0	0	0	16	0.8	0.11	0	16	0	0	0
12	5	1	0	0	17	0.7	0.11	0	17	0	0	0
12	5	2	0	0	17	0.6	0.11	0	17	0	0	0
12	5	3	0	0	16	0.5	0.11	0	16	0	0	0
12	5	4	0	0	15	0.4	0.11	0	15	0	0	0
12	5	5	0	0	14	0.4	0.11	0	14	0	0	0
12	5	6	0	0	13	0.4	0.11	0	13	0	0	0
12	5	7	0	0	11	0.5	0.11	0	11	0	0	0
12	5	8	0	22	9	0.6	0.11	20.788	9.81	114.547	82.421	0.082421
12	5	9	0	37	9	0.7	0.11	34.982	10.342	205.846	170.484	0.170484
12	5	10	84	161	9	0.7	0.11	225.981	17.683	1391.624	1314.245	1.314245
12	5	11	0	112	8	0.7	0.11	108.304	12.149	657.674	606.302	0.606302
12	5	12	0	72	7	0.8	0.11	68.213	9.542	410.625	368.007	0.368007
12	5	13	0	53	6	0.8	0.11	50.169	7.871	300.972	262.24	0.26224

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	5	14	0	86	5	0.7	0.11	82.432	8.162	505.892	459.898	0.459898
12	5	15	0	46	4	0.7	0.11	43.519	5.67	263.474	226.07	0.22607
12	5	16	0	11	2	0.7	0.11	10.378	2.393	56.929	26.843	0.026843
12	5	17	0	0	1	0.6	0.11	0	1	0	0	0
12	5	18	0	0	1	0.6	0.11	0	1	0	0	0
12	5	19	0	0	0	0.7	0.87	0	0	0	0	0
12	5	20	0	0	0	0.6	0.87	0	0	0	0	0
12	5	21	0	0	0	0.6	0.87	0	0	0	0	0
12	5	22	0	0	0	0.5	0.87	0	0	0	0	0
12	5	23	0	0	0	0.5	0.87	0	0	0	0	0
12	6	0	0	0	0	0.5	0.87	0	0	0	0	0
12	6	1	0	0	0	0.6	0.87	0	0	0	0	0
12	6	2	0	0	0	0.6	0.87	0	0	0	0	0
12	6	3	0	0	0	0.6	0.87	0	0	0	0	0
12	6	4	0	0	-1	0.5	0.87	0	-1	0	0	0
12	6	5	0	0	-1	0.5	0.87	0	-1	0	0	0
12	6	6	0	0	-1	0.5	0.87	0	-1	0	0	0
12	6	7	0	0	-1	0.5	0.87	0	-1	0	0	0
12	6	8	93	42	-1	0.6	0.87	85.002	2.28	493.653	448.093	0.448093
12	6	9	0	22	0	0.7	0.87	21.282	0.815	126.755	94.196	0.094196
12	6	10	10	138	0	0.8	0.87	147.752	5.507	929.133	868.142	0.868142
12	6	11	19	170	0	0.8	0.87	188.428	7.016	1182.727	1112.75	1.11275
12	6	12	0	147	0	0.8	0.87	148.158	5.511	924.578	863.749	0.863749
12	6	13	0	57	0	0.8	0.87	55.27	2.057	338.153	298.103	0.298103
12	6	14	0	74	0	0.7	0.87	71.9	2.752	445.043	401.206	0.401206
12	6	15	0	50	0	0.6	0.87	48.462	1.908	296.849	258.262	0.258262
12	6	16	0	23	-1	0.5	0.87	22.266	-0.111	126.499	93.949	0.093949
12	6	17	0	0	-1	0.5	0.87	0	-1	0	0	0
12	6	18	0	0	-2	0.4	0.87	0	-2	0	0	0
12	6	19	0	0	-2	0.4	0.87	0	-2	0	0	0
12	6	20	0	0	-3	0.4	0.87	0	-3	0	0	0
12	6	21	0	0	-3	0.4	0.87	0	-3	0	0	0
12	6	22	0	0	-3	0.4	0.87	0	-3	0	0	0
12	6	23	0	0	-3	0.5	0.87	0	-3	0	0	0
12	7	0	0	0	-4	0.4	0.87	0	-4	0	0	0
12	7	1	0	0	-4	0.4	0.87	0	-4	0	0	0
12	7	2	0	0	-5	0.4	0.87	0	-5	0	0	0
12	7	3	0	0	-6	0.4	0.87	0	-6	0	0	0
12	7	4	0	0	-7	0.4	0.87	0	-7	0	0	0
12	7	5	0	0	-8	0.4	0.87	0	-8	0	0	0
12	7	6	0	0	-10	0.4	0.87	0	-10	0	0	0
12	7	7	0	0	-11	0.4	0.87	0	-11	0	0	0
12	7	8	485	37	-9	0.4	0.87	209.273	-0.531	1220.131	1148.829	1.148829

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	7	9	733	65	-5	0.5	0.87	457.024	13.616	2922.141	2790.53	2.79053
12	7	10	841	82	-3	0.6	0.87	648.419	22.695	4037.668	3866.529	3.866529
12	7	11	888	92	-2	0.6	0.87	770.398	28.494	4671.753	4478.146	4.478146
12	7	12	900	97	-2	0.5	0.87	812.493	31.079	4868.27	4667.7	4.6677
12	7	13	882	95	-2	0.5	0.87	768.894	29.318	4647.659	4454.906	4.454906
12	7	14	831	86	-2	0.4	0.87	645.449	25.108	3982.395	3813.215	3.813215
12	7	15	725	68	-3	0.3	0.87	455.307	16.687	2876.673	2746.673	2.746673
12	7	16	0	38	-5	0.4	0.87	39.014	-3.395	229.757	193.548	0.193548
12	7	17	0	0	-7	0.5	0.87	0	-7	0	0	0
12	7	18	0	0	-8	0.4	0.87	0	-8	0	0	0
12	7	19	0	0	-8	0.3	0.87	0	-8	0	0	0
12	7	20	0	0	-8	0.4	0.87	0	-8	0	0	0
12	7	21	0	0	-8	0.4	0.87	0	-8	0	0	0
12	7	22	0	0	-8	0.4	0.87	0	-8	0	0	0
12	7	23	0	0	-7	0.4	0.87	0	-7	0	0	0
12	8	0	0	0	-7	0.4	0.87	0	-7	0	0	0
12	8	1	0	0	-7	0.4	0.87	0	-7	0	0	0
12	8	2	0	0	-6	0.4	0.87	0	-6	0	0	0
12	8	3	0	0	-6	0.4	0.87	0	-6	0	0	0
12	8	4	0	0	-6	0.4	0.87	0	-6	0	0	0
12	8	5	0	0	-6	0.5	0.87	0	-6	0	0	0
12	8	6	0	0	-5	0.5	0.87	0	-5	0	0	0
12	8	7	0	0	-5	0.5	0.87	0	-5	0	0	0
12	8	8	0	22	-4	0.6	0.87	21.295	-3.174	122.186	89.788	0.089788
12	8	9	84	104	-3	0.7	0.87	162.248	3.224	1038.736	973.862	0.973862
12	8	10	0	102	-2	0.8	0.87	101.543	1.783	638.824	588.12	0.58812
12	8	11	0	122	-1	0.8	0.87	121.666	3.528	761.573	706.52	0.70652
12	8	12	0	133	0	0.7	0.87	133.045	5.085	828.876	771.438	0.771438
12	8	13	553	193	0	0.6	0.87	642.083	25.376	3918.424	3751.511	3.751511
12	8	14	448	183	0	0.6	0.87	507.239	20.061	3161.311	3021.225	3.021225
12	8	15	343	131	0	0.5	0.87	332.18	13.506	2098.834	1996.396	1.996396
12	8	16	130	56	0	0.4	0.87	116.706	4.763	674.27	622.31	0.62231
12	8	17	0	0	0	0.4	0.87	0	0	0	0	0
12	8	18	0	0	0	0.5	0.87	0	0	0	0	0
12	8	19	0	0	0	0.4	0.87	0	0	0	0	0
12	8	20	0	0	0	0.3	0.87	0	0	0	0	0
12	8	21	0	0	0	0.4	0.87	0	0	0	0	0
12	8	22	0	0	0	0.5	0.87	0	0	0	0	0
12	8	23	0	0	0	0.6	0.87	0	0	0	0	0
12	9	0	0	0	0	0.6	0.87	0	0	0	0	0
12	9	1	0	0	0	0.6	0.87	0	0	0	0	0
12	9	2	0	0	0	0.5	0.87	0	0	0	0	0
12	9	3	0	0	0	0.4	0.87	0	0	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	9	4	0	0	0	0.5	0.87	0	0	0	0	0
12	9	5	0	0	0	0.5	0.87	0	0	0	0	0
12	9	6	0	0	-1	0.4	0.87	0	-1	0	0	0
12	9	7	0	0	-2	0.4	0.87	0	-2	0	0	0
12	9	8	282	49	-2	0.4	0.87	157.927	4.401	901.532	841.519	0.841519
12	9	9	0	43	-1	0.6	0.87	41.658	0.64	254.928	217.827	0.217827
12	9	10	0	84	-1	0.7	0.87	82.374	2.153	513.732	467.461	0.467461
12	9	11	0	96	0	0.8	0.87	94.153	3.504	584.275	535.504	0.535504
12	9	12	0	143	0	0.8	0.87	143.94	5.354	898.266	838.368	0.838368
12	9	13	2	150	-1	0.8	0.87	153.785	4.724	966.006	903.709	0.903709
12	9	14	0	85	-1	0.7	0.87	83.404	2.193	520.262	473.759	0.473759
12	9	15	0	51	-1	0.6	0.87	49.435	0.946	304.188	265.342	0.265342
12	9	16	275	50	-2	0.4	0.87	157.996	4.418	908.482	848.223	0.848223
12	9	17	0	0	-4	0.3	0.87	0	-4	0	0	0
12	9	18	0	0	-5	0.3	0.87	0	-5	0	0	0
12	9	19	0	0	-5	0.3	0.87	0	-5	0	0	0
12	9	20	0	0	-5	0.3	0.87	0	-5	0	0	0
12	9	21	0	0	-6	0.6	0.87	0	-6	0	0	0
12	9	22	0	0	-6	0.7	0.87	0	-6	0	0	0
12	9	23	0	0	-7	0.6	0.87	0	-7	0	0	0
12	10	0	0	0	-7	0.6	0.87	0	-7	0	0	0
12	10	1	0	0	-8	0.7	0.87	0	-8	0	0	0
12	10	2	0	0	-9	0.8	0.87	0	-9	0	0	0
12	10	3	0	0	-9	0.7	0.87	0	-9	0	0	0
12	10	4	0	0	-9	0.6	0.87	0	-9	0	0	0
12	10	5	0	0	-9	0.5	0.87	0	-9	0	0	0
12	10	6	0	0	-9	0.3	0.87	0	-9	0	0	0
12	10	7	0	0	-8	0.3	0.87	0	-8	0	0	0
12	10	8	255	48	-7	0.3	0.87	147.886	-0.826	856.569	798.149	0.798149
12	10	9	666	75	-5	0.5	0.87	430.339	12.516	2752.676	2627.07	2.62707
12	10	10	839	83	-4	0.7	0.87	643.352	20.796	4035.409	3864.35	3.86435
12	10	11	905	87	-4	0.8	0.87	772.821	24.959	4752.069	4555.617	4.555617
12	10	12	919	89	-3	0.9	0.87	814.604	26.717	4965.582	4761.564	4.761564
12	10	13	898	89	-3	1	0.87	772.024	24.46	4755.078	4558.518	4.558518
12	10	14	840	83	-3	1	0.87	647.572	20.058	4072.396	3900.027	3.900027
12	10	15	710	71	-3	1	0.87	451.984	13.072	2893.293	2762.704	2.762704
12	10	16	415	43	-3	0.9	0.87	192.738	3.789	1106.033	1038.774	1.038774
12	10	17	0	0	-4	0.8	0.87	0	-4	0	0	0
12	10	18	0	0	-4	0.6	0.87	0	-4	0	0	0
12	10	19	0	0	-6	0.4	0.87	0	-6	0	0	0
12	10	20	0	0	-9	0.4	0.87	0	-9	0	0	0
12	10	21	0	0	-10	0.6	0.87	0	-10	0	0	0
12	10	22	0	0	-11	0.5	0.87	0	-11	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	10	23	0	0	-10	0.4	0.87	0	-10	0	0	0
12	11	0	0	0	-10	0.4	0.87	0	-10	0	0	0
12	11	1	0	0	-10	0.7	0.87	0	-10	0	0	0
12	11	2	0	0	-10	0.9	0.87	0	-10	0	0	0
12	11	3	0	0	-11	0.9	0.87	0	-11	0	0	0
12	11	4	0	0	-12	1	0.87	0	-12	0	0	0
12	11	5	0	0	-13	1.1	0.87	0	-13	0	0	0
12	11	6	0	0	-14	1	0.87	0	-14	0	0	0
12	11	7	0	0	-13	0.7	0.87	0	-13	0	0	0
12	11	8	398	38	-10	0.4	0.87	178.714	-2.805	1028.584	964.069	0.964069
12	11	9	667	71	-6	0.5	0.87	425.08	11.3	2729.248	2604.471	2.604471
12	11	10	778	92	-3	0.7	0.87	617.431	20.793	3869.841	3704.649	3.704649
12	11	11	826	105	-1	0.8	0.87	739.374	26.699	4513.597	4325.595	4.325595
12	11	12	842	109	0	0.9	0.87	783.114	28.561	4737.337	4541.407	4.541407
12	11	13	836	103	0	0.9	0.87	746.875	27.251	4549.527	4360.251	4.360251
12	11	14	770	97	0	0.8	0.87	622.829	23.356	3864.983	3699.964	3.699964
12	11	15	605	86	0	0.7	0.87	415.796	15.998	2627.058	2505.903	2.505903
12	11	16	0	35	0	0.6	0.87	35.298	1.37	203.135	167.869	0.167869
12	11	17	0	0	-1	0.6	0.87	0	-1	0	0	0
12	11	18	0	0	-3	0.6	0.87	0	-3	0	0	0
12	11	19	0	0	-4	0.6	0.87	0	-4	0	0	0
12	11	20	0	0	-6	0.5	0.87	0	-6	0	0	0
12	11	21	0	0	-9	0.4	0.87	0	-9	0	0	0
12	11	22	0	0	-11	0.4	0.87	0	-11	0	0	0
12	11	23	0	0	-13	0.5	0.87	0	-13	0	0	0
12	12	0	0	0	-14	0.9	0.87	0	-14	0	0	0
12	12	1	0	0	-15	1.2	0.87	0	-15	0	0	0
12	12	2	0	0	-15	1.3	0.87	0	-15	0	0	0
12	12	3	0	0	-15	1.2	0.87	0	-15	0	0	0
12	12	4	0	0	-14	1.1	0.87	0	-14	0	0	0
12	12	5	0	0	-14	1.1	0.87	0	-14	0	0	0
12	12	6	0	0	-14	1.1	0.87	0	-14	0	0	0
12	12	7	0	0	-15	1.1	0.87	0	-15	0	0	0
12	12	8	527	31	-14	1	0.87	206.661	-6.98	1194.15	1123.769	1.123769
12	12	9	772	56	-12	0.7	0.87	455.059	5.505	2986.529	2852.637	2.852637
12	12	10	870	70	-9	0.5	0.87	645.225	17.32	4102.488	3929.053	3.929053
12	12	11	535	134	-7	0.6	0.87	557.703	15.055	3541.852	3388.282	3.388282
12	12	12	911	85	-6	0.6	0.87	802.222	25.747	4909.974	4707.926	4.707926
12	12	13	862	92	-6	0.7	0.87	748.624	22.82	4639.35	4446.892	4.446892
12	12	14	813	82	-6	0.7	0.87	629.395	18.257	3983.992	3814.756	3.814756
12	12	15	700	66	-6	0.6	0.87	442.172	11.501	2847.041	2718.091	2.718091
12	12	16	446	37	-7	0.5	0.87	198.049	0.785	1149.168	1080.381	1.080381
12	12	17	0	0	-10	0.4	0.87	0	-10	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	12	18	0	0	-11	0.5	0.87	0	-11	0	0	0
12	12	19	0	0	-12	0.5	0.87	0	-12	0	0	0
12	12	20	0	0	-12	0.5	0.87	0	-12	0	0	0
12	12	21	0	0	-12	0.6	0.87	0	-12	0	0	0
12	12	22	0	0	-12	0.8	0.87	0	-12	0	0	0
12	12	23	0	0	-13	0.7	0.87	0	-13	0	0	0
12	13	0	0	0	-12	0.6	0.87	0	-12	0	0	0
12	13	1	0	0	-11	0.5	0.87	0	-11	0	0	0
12	13	2	0	0	-11	0.5	0.87	0	-11	0	0	0
12	13	3	0	0	-11	0.5	0.87	0	-11	0	0	0
12	13	4	0	0	-12	0.5	0.87	0	-12	0	0	0
12	13	5	0	0	-12	0.5	0.87	0	-12	0	0	0
12	13	6	0	0	-12	0.4	0.87	0	-12	0	0	0
12	13	7	0	0	-11	0.4	0.87	0	-11	0	0	0
12	13	8	156	35	-8	0.4	0.87	100.451	-3.945	575.249	526.797	0.526797
12	13	9	654	69	-5	0.5	0.87	413.843	11.837	2647.547	2525.665	2.525665
12	13	10	781	86	-3	0.5	0.87	609.694	21.863	3807.7	3644.71	3.64471
12	13	11	833	98	-1	0.6	0.87	733.991	28.054	4460.084	4273.977	4.273977
12	13	12	853	102	0	0.6	0.87	777.39	30.758	4666.124	4472.717	4.472717
12	13	13	861	95	1	0.5	0.87	751.033	31.593	4502.148	4314.551	4.314551
12	13	14	483	116	1	0.4	0.87	458.097	20.219	2859.404	2730.016	2.730016
12	13	15	77	103	0	0.3	0.87	151.489	6.529	955.819	893.883	0.893883
12	13	16	205	42	0	0.3	0.87	127.04	5.33	727.393	673.55	0.67355
12	13	17	0	0	-1	0.3	0.87	0	-1	0	0	0
12	13	18	0	0	0	0.3	0.87	0	0	0	0	0
12	13	19	0	0	0	0.3	0.11	0	0	0	0	0
12	13	20	0	0	0	0.3	0.11	0	0	0	0	0
12	13	21	0	0	0	0.2	0.11	0	0	0	0	0
12	13	22	0	0	0	0.2	0.11	0	0	0	0	0
12	13	23	0	0	0	0.2	0.11	0	0	0	0	0
12	14	0	0	0	0	0.3	0.11	0	0	0	0	0
12	14	1	0	0	0	0.3	0.11	0	0	0	0	0
12	14	2	0	0	0	0.3	0.11	0	0	0	0	0
12	14	3	0	0	0	0.3	0.11	0	0	0	0	0
12	14	4	0	0	0	0.4	0.11	0	0	0	0	0
12	14	5	0	0	0	0.5	0.11	0	0	0	0	0
12	14	6	0	0	0	0.5	0.11	0	0	0	0	0
12	14	7	0	0	0	0.5	0.11	0	0	0	0	0
12	14	8	0	6	0	0.6	0.11	5.656	0.218	29.679	0.559	0.000559
12	14	9	0	69	0	0.6	0.11	67.135	2.648	417.933	375.056	0.375056
12	14	10	0	5	0	0.6	0.11	4.72	0.186	26.623	0	0
12	14	11	0	7	0	0.5	0.11	6.613	0.268	37.676	8.273	0.008273
12	14	12	0	14	0	0.5	0.11	13.232	0.536	77.435	46.624	0.046624

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	14	13	0	16	0	0.5	0.11	15.121	0.613	89.101	57.875	0.057875
12	14	14	0	14	0	0.4	0.11	13.223	0.553	77.834	47.008	0.047008
12	14	15	383	104	0	0.4	0.11	321.364	13.482	2043.828	1943.339	1.943339
12	14	16	150	50	0	0.4	0.11	113.695	4.645	658.651	607.244	0.607244
12	14	17	0	0	0	0.5	0.11	0	0	0	0	0
12	14	18	0	0	0	0.6	0.11	0	0	0	0	0
12	14	19	0	0	0	0.7	0.11	0	0	0	0	0
12	14	20	0	0	0	0.7	0.11	0	0	0	0	0
12	14	21	0	0	0	0.6	0.11	0	0	0	0	0
12	14	22	0	0	0	0.6	0.11	0	0	0	0	0
12	14	23	0	0	0	0.7	0.11	0	0	0	0	0
12	15	0	0	0	-1	0.7	0.11	0	-1	0	0	0
12	15	1	0	0	-2	0.7	0.11	0	-2	0	0	0
12	15	2	0	0	-3	0.7	0.11	0	-3	0	0	0
12	15	3	0	0	-4	0.6	0.11	0	-4	0	0	0
12	15	4	0	0	-4	0.6	0.11	0	-4	0	0	0
12	15	5	0	0	-5	0.5	0.11	0	-5	0	0	0
12	15	6	0	0	-5	0.5	0.11	0	-5	0	0	0
12	15	7	0	0	-4	0.5	0.11	0	-4	0	0	0
12	15	8	0	14	-4	0.7	0.11	13.216	-3.505	72.747	42.101	0.042101
12	15	9	0	49	-3	0.9	0.11	46.371	-1.314	289.168	250.854	0.250854
12	15	10	0	56	-3	1	0.11	53.005	-1.121	332.234	292.393	0.292393
12	15	11	0	84	-3	1	0.11	79.862	-0.173	503.948	458.023	0.458023
12	15	12	25	182	-3	1.1	0.11	202.156	3.981	1294.46	1220.525	1.220525
12	15	13	800	92	-3	1.1	0.11	693.029	21.069	4344.162	4162.163	4.162163
12	15	14	755	81	-3	1	0.11	587.032	17.926	3735.83	3575.386	3.575386
12	15	15	69	103	-3	0.9	0.11	144.798	2.274	932.51	871.4	0.8714
12	15	16	365	40	-4	0.7	0.11	174.657	2.511	1015.106	951.069	0.951069
12	15	17	0	0	-4	0.5	0.11	0	-4	0	0	0
12	15	18	0	0	-5	0.5	0.11	0	-5	0	0	0
12	15	19	0	0	-5	0.5	0.87	0	-5	0	0	0
12	15	20	0	0	-5	0.5	0.87	0	-5	0	0	0
12	15	21	0	0	-5	0.4	0.87	0	-5	0	0	0
12	15	22	0	0	-5	0.4	0.87	0	-5	0	0	0
12	15	23	0	0	-6	0.4	0.87	0	-6	0	0	0
12	16	0	0	0	-6	0.4	0.87	0	-6	0	0	0
12	16	1	0	0	-6	0.4	0.87	0	-6	0	0	0
12	16	2	0	0	-5	0.4	0.87	0	-5	0	0	0
12	16	3	0	0	-5	0.5	0.87	0	-5	0	0	0
12	16	4	0	0	-4	0.6	0.87	0	-4	0	0	0
12	16	5	0	0	-4	0.7	0.87	0	-4	0	0	0
12	16	6	0	0	-4	0.7	0.87	0	-4	0	0	0
12	16	7	0	0	-4	0.6	0.87	0	-4	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	16	8	0	12	-3	0.4	0.87	11.599	-2.528	62.363	32.086	0.032086
12	16	9	0	32	-1	0.3	0.87	30.977	0.332	187.413	152.704	0.152704
12	16	10	39	143	0	0.3	0.87	180.133	7.758	1134.772	1066.494	1.066494
12	16	11	63	199	0	0.2	0.87	265.511	11.789	1660.05	1573.16	1.57316
12	16	12	3	156	0	0.2	0.87	160.776	7.125	1001.157	937.614	0.937614
12	16	13	39	179	0	0.2	0.87	223.316	9.911	1397.075	1319.503	1.319503
12	16	14	14	138	1	0.3	0.87	150.724	7.486	942.137	880.686	0.880686
12	16	15	482	104	1	0.4	0.87	376.527	16.784	2365.483	2253.597	2.253597
12	16	16	231	52	1	0.5	0.87	148.361	6.872	853.204	794.904	0.794904
12	16	17	0	0	0	0.5	0.87	0	0	0	0	0
12	16	18	0	0	0	0.6	0.87	0	0	0	0	0
12	16	19	0	0	0	0.6	0.87	0	0	0	0	0
12	16	20	0	0	-1	0.4	0.87	0	-1	0	0	0
12	16	21	0	0	-1	0.3	0.87	0	-1	0	0	0
12	16	22	0	0	-1	0.4	0.87	0	-1	0	0	0
12	16	23	0	0	-1	0.4	0.87	0	-1	0	0	0
12	17	0	0	0	-1	0.4	0.87	0	-1	0	0	0
12	17	1	0	0	-1	0.4	0.87	0	-1	0	0	0
12	17	2	0	0	-1	0.4	0.87	0	-1	0	0	0
12	17	3	0	0	-1	0.4	0.87	0	-1	0	0	0
12	17	4	0	0	-1	0.3	0.87	0	-1	0	0	0
12	17	5	0	0	-2	0.3	0.87	0	-2	0	0	0
12	17	6	0	0	-3	0.3	0.87	0	-3	0	0	0
12	17	7	0	0	-4	0.5	0.87	0	-4	0	0	0
12	17	8	0	29	-3	0.6	0.87	29.18	-1.882	161.482	127.692	0.127692
12	17	9	24	93	-1	0.4	0.87	113.263	3.728	711.321	658.048	0.658048
12	17	10	36	145	0	0.5	0.87	180.796	7.334	1140.595	1072.111	1.072111
12	17	11	38	180	0	0.5	0.87	223.945	9.073	1406.03	1328.141	1.328141
12	17	12	475	176	0	0.5	0.87	578.232	23.508	3547.288	3393.526	3.393526
12	17	13	533	136	0	0.6	0.87	560.702	22.172	3468.427	3317.459	3.317459
12	17	14	138	159	0	0.7	0.87	271.673	10.43	1722.81	1633.696	1.633696
12	17	15	340	90	-1	0.6	0.87	289.24	10.437	1848.31	1754.749	1.754749
12	17	16	286	50	-1	0.6	0.87	164.122	5.306	949.675	887.956	0.887956
12	17	17	0	0	-2	0.6	0.87	0	-2	0	0	0
12	17	18	0	0	-2	0.6	0.87	0	-2	0	0	0
12	17	19	0	0	-2	0.6	0.11	0	-2	0	0	0
12	17	20	0	0	-2	0.6	0.11	0	-2	0	0	0
12	17	21	0	0	-2	0.6	0.11	0	-2	0	0	0
12	17	22	0	0	-2	0.6	0.11	0	-2	0	0	0
12	17	23	0	0	-2	0.5	0.11	0	-2	0	0	0
12	18	0	0	0	-4	0.5	0.11	0	-4	0	0	0
12	18	1	0	0	-6	0.5	0.11	0	-6	0	0	0
12	18	2	0	0	-7	0.5	0.11	0	-7	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	18	3	0	0	-7	0.5	0.11	0	-7	0	0	0
12	18	4	0	0	-7	0.5	0.11	0	-7	0	0	0
12	18	5	0	0	-8	0.5	0.11	0	-8	0	0	0
12	18	6	0	0	-9	0.5	0.11	0	-9	0	0	0
12	18	7	0	0	-10	0.7	0.11	0	-10	0	0	0
12	18	8	454	27	-8	0.7	0.11	173.243	-1.712	939.629	878.266	0.878266
12	18	9	728	49	-5	0.6	0.11	412.536	11.319	2649.685	2527.728	2.527728
12	18	10	807	65	-2	0.7	0.11	584.358	20.557	3688.878	3530.098	3.530098
12	18	11	863	70	-1	0.7	0.11	704.264	26.158	4338.39	4156.596	4.156596
12	18	12	885	70	0	0.6	0.11	744.945	29.526	4522.757	4334.43	4.33443
12	18	13	866	70	0	0.6	0.11	714.851	28.341	4365.08	4182.34	4.18234
12	18	14	823	63	0	0.5	0.11	607.4	24.806	3772.91	3611.152	3.611152
12	18	15	720	53	0	0.3	0.11	432.696	18.743	2730.047	2605.242	2.605242
12	18	16	487	32	-1	0.3	0.11	204.388	7.554	1168.419	1098.949	1.098949
12	18	17	0	0	-3	0.4	0.11	0	-3	0	0	0
12	18	18	0	0	-3	0.5	0.11	0	-3	0	0	0
12	18	19	0	0	-2	0.6	0.12	0	-2	0	0	0
12	18	20	0	0	-2	0.6	0.12	0	-2	0	0	0
12	18	21	0	0	-1	0.6	0.12	0	-1	0	0	0
12	18	22	0	0	-1	0.6	0.12	0	-1	0	0	0
12	18	23	0	0	-1	0.6	0.12	0	-1	0	0	0
12	19	0	0	0	0	0.6	0.12	0	0	0	0	0
12	19	1	0	0	0	0.7	0.12	0	0	0	0	0
12	19	2	0	0	0	0.7	0.12	0	0	0	0	0
12	19	3	0	0	0	0.7	0.12	0	0	0	0	0
12	19	4	0	0	0	0.6	0.12	0	0	0	0	0
12	19	5	0	0	0	0.6	0.12	0	0	0	0	0
12	19	6	0	0	0	0.7	0.12	0	0	0	0	0
12	19	7	0	0	0	0.7	0.12	0	0	0	0	0
12	19	8	60	33	0	0.7	0.12	57.636	2.122	309.893	270.845	0.270845
12	19	9	227	90	1	0.7	0.12	215.735	9.288	1369.181	1292.598	1.292598
12	19	10	250	144	2	0.7	0.12	323.969	14.473	2053.697	1952.859	1.952859
12	19	11	284	178	3	0.7	0.12	410.09	18.772	2559.933	2441.156	2.441156
12	19	12	175	205	4	0.6	0.12	360.902	18.252	2239.573	2132.148	2.132148
12	19	13	408	162	4	0.6	0.12	493.181	23.515	3038.946	2903.196	2.903196
12	19	14	208	156	5	0.5	0.12	307.696	17.528	1922.198	1826.019	1.826019
12	19	15	51	103	4	0.5	0.12	135.937	9.525	849.361	791.196	0.791196
12	19	16	1	40	3	0.5	0.12	40.525	4.625	234.601	198.22	0.19822
12	19	17	0	0	3	0.6	0.12	0	3	0	0	0
12	19	18	0	0	3	0.6	0.12	0	3	0	0	0
12	19	19	0	0	3	0.6	0.12	0	3	0	0	0
12	19	20	0	0	3	0.6	0.12	0	3	0	0	0
12	19	21	0	0	3	0.6	0.12	0	3	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	19	22	0	0	3	0.6	0.12	0	3	0	0	0
12	19	23	0	0	4	0.6	0.12	0	4	0	0	0
12	20	0	0	0	4	0.6	0.12	0	4	0	0	0
12	20	1	0	0	4	0.7	0.12	0	4	0	0	0
12	20	2	0	0	5	0.8	0.12	0	5	0	0	0
12	20	3	0	0	6	0.9	0.12	0	6	0	0	0
12	20	4	0	0	6	0.8	0.12	0	6	0	0	0
12	20	5	0	0	6	0.8	0.12	0	6	0	0	0
12	20	6	0	0	6	0.8	0.12	0	6	0	0	0
12	20	7	0	0	6	0.8	0.12	0	6	0	0	0
12	20	8	0	5	6	0.8	0.12	4.714	6.17	22.922	0	0
12	20	9	0	78	7	0.8	0.12	77.52	9.893	470.925	426.17	0.42617
12	20	10	0	45	8	0.9	0.12	42.582	9.549	253.388	216.342	0.216342
12	20	11	0	46	10	1	0.12	43.54	11.542	256.027	218.887	0.218887
12	20	12	0	24	11	1.1	0.12	22.699	11.783	129.348	96.697	0.096697
12	20	13	0	96	11	1.1	0.12	92.025	14.177	551.277	503.675	0.503675
12	20	14	0	82	12	1.1	0.12	78.403	14.71	467.674	423.035	0.423035
12	20	15	0	24	12	0.9	0.12	22.677	12.825	129.47	96.815	0.096815
12	20	16	0	19	11	0.8	0.12	17.951	11.662	97.479	65.957	0.065957
12	20	17	0	0	11	0.8	0.12	0	11	0	0	0
12	20	18	0	0	11	0.7	0.12	0	11	0	0	0
12	20	19	0	0	11	0.7	0.12	0	11	0	0	0
12	20	20	0	0	11	0.7	0.12	0	11	0	0	0
12	20	21	0	0	11	0.7	0.12	0	11	0	0	0
12	20	22	0	0	12	0.8	0.12	0	12	0	0	0
12	20	23	0	0	12	0.8	0.12	0	12	0	0	0
12	21	0	0	0	13	0.8	0.12	0	13	0	0	0
12	21	1	0	0	13	0.9	0.12	0	13	0	0	0
12	21	2	0	0	13	1	0.12	0	13	0	0	0
12	21	3	0	0	13	1	0.12	0	13	0	0	0
12	21	4	0	0	13	0.9	0.12	0	13	0	0	0
12	21	5	0	0	12	0.8	0.12	0	12	0	0	0
12	21	6	0	0	12	0.7	0.12	0	12	0	0	0
12	21	7	0	0	12	0.8	0.12	0	12	0	0	0
12	21	8	0	3	12	1.1	0.12	2.827	12.094	12.898	0	0
12	21	9	0	9	14	1.4	0.12	8.494	14.273	45.887	16.193	0.016193
12	21	10	0	14	15	1.5	0.12	13.226	15.416	72.744	42.099	0.042099
12	21	11	0	35	16	1.4	0.12	33.112	17.064	187.815	153.092	0.153092
12	21	12	0	35	16	1.2	0.12	33.118	17.115	187.409	152.7	0.1527
12	21	13	0	74	17	1	0.12	70.13	19.483	406.447	363.977	0.363977
12	21	14	0	67	17	0.9	0.12	63.472	19.308	368.115	327.003	0.327003
12	21	15	0	88	17	0.9	0.12	87.519	20.183	513.13	466.879	0.466879
12	21	16	16	43	17	0.9	0.12	51.642	18.853	283.082	244.983	0.244983

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	21	17	0	0	17	1.1	0.12	0	17	0	0	0
12	21	18	0	0	17	1.4	0.12	0	17	0	0	0
12	21	19	0	0	18	1.5	0.12	0	18	0	0	0
12	21	20	0	0	18	1.5	0.12	0	18	0	0	0
12	21	21	0	0	18	1.5	0.12	0	18	0	0	0
12	21	22	0	0	18	1.6	0.12	0	18	0	0	0
12	21	23	0	0	18	1.9	0.12	0	18	0	0	0
12	22	0	0	0	19	2	0.12	0	19	0	0	0
12	22	1	0	0	18	1.6	0.12	0	18	0	0	0
12	22	2	0	0	18	1.2	0.12	0	18	0	0	0
12	22	3	0	0	17	1	0.12	0	17	0	0	0
12	22	4	0	0	16	0.8	0.12	0	16	0	0	0
12	22	5	0	0	15	0.7	0.12	0	15	0	0	0
12	22	6	0	0	14	0.7	0.12	0	14	0	0	0
12	22	7	0	0	13	1	0.12	0	13	0	0	0
12	22	8	6	29	11	1.2	0.12	30.804	11.998	155.468	121.891	0.121891
12	22	9	650	55	10	1.4	0.12	381.333	22.296	2341.85	2230.801	2.230801
12	22	10	127	150	10	1.4	0.12	247.134	17.972	1529.188	1446.935	1.446935
12	22	11	322	172	11	1.3	0.12	429.124	25.174	2619.539	2498.651	2.498651
12	22	12	161	206	11	1.2	0.12	351.759	22.876	2142.471	2038.487	2.038487
12	22	13	6	155	11	1.2	0.12	158.912	16.355	963.321	901.118	0.901118
12	22	14	92	159	11	1.1	0.12	229.544	18.948	1408.293	1330.324	1.330324
12	22	15	370	89	10	0.9	0.12	301.2	20.999	1863.883	1769.77	1.76977
12	22	16	216	46	8	0.5	0.12	136.426	13.421	773.302	717.833	0.717833
12	22	17	0	0	7	0.4	0.12	0	7	0	0	0
12	22	18	0	0	6	0.5	0.12	0	6	0	0	0
12	22	19	0	0	6	0.4	0.12	0	6	0	0	0
12	22	20	0	0	5	0.5	0.12	0	5	0	0	0
12	22	21	0	0	4	0.6	0.12	0	4	0	0	0
12	22	22	0	0	3	0.7	0.12	0	3	0	0	0
12	22	23	0	0	2	0.8	0.12	0	2	0	0	0
12	23	0	0	0	2	0.8	0.12	0	2	0	0	0
12	23	1	0	0	1	0.8	0.12	0	1	0	0	0
12	23	2	0	0	1	0.8	0.12	0	1	0	0	0
12	23	3	0	0	0	0.9	0.12	0	0	0	0	0
12	23	4	0	0	0	0.8	0.12	0	0	0	0	0
12	23	5	0	0	0	0.7	0.12	0	0	0	0	0
12	23	6	0	0	-1	0.6	0.12	0	-1	0	0	0
12	23	7	0	0	-1	0.6	0.12	0	-1	0	0	0
12	23	8	0	26	0	0.8	0.12	25.403	0.911	133.385	100.59	0.10059
12	23	9	71	92	0	0.9	0.12	132.059	4.804	836.153	778.457	0.778457
12	23	10	88	149	0	1	0.12	213.974	7.599	1369.027	1292.449	1.292449
12	23	11	103	188	1	0.9	0.12	274.971	11.009	1741.582	1651.803	1.651803

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	23	12	104	203	2	0.9	0.12	295.735	12.758	1860.086	1766.108	1.766108
12	23	13	103	194	2	0.9	0.12	282.97	12.298	1783.354	1692.095	1.692095
12	23	14	7	136	1	0.9	0.12	140.678	6.116	887.376	827.865	0.827865
12	23	15	43	104	0	0.8	0.12	133.05	4.974	845.251	787.232	0.787232
12	23	16	528	35	-1	0.5	0.12	224.927	7.897	1302.551	1228.329	1.228329
12	23	17	0	0	-2	0.4	0.12	0	-2	0	0	0
12	23	18	0	0	-3	0.4	0.12	0	-3	0	0	0
12	23	19	0	0	-4	0.4	0.87	0	-4	0	0	0
12	23	20	0	0	-4	0.3	0.87	0	-4	0	0	0
12	23	21	0	0	-4	0.3	0.87	0	-4	0	0	0
12	23	22	0	0	-4	0.4	0.87	0	-4	0	0	0
12	23	23	0	0	-4	0.5	0.87	0	-4	0	0	0
12	24	0	0	0	-4	0.5	0.87	0	-4	0	0	0
12	24	1	0	0	-4	0.7	0.87	0	-4	0	0	0
12	24	2	0	0	-5	0.8	0.87	0	-5	0	0	0
12	24	3	0	0	-5	0.9	0.87	0	-5	0	0	0
12	24	4	0	0	-6	1	0.87	0	-6	0	0	0
12	24	5	0	0	-7	1	0.87	0	-7	0	0	0
12	24	6	0	0	-8	1	0.87	0	-8	0	0	0
12	24	7	0	0	-8	1	0.87	0	-8	0	0	0
12	24	8	489	28	-7	1	0.87	180.286	-1.069	924.304	863.484	0.863484
12	24	9	769	56	-6	1	0.87	438.487	9.554	2815.988	2688.139	2.688139
12	24	10	407	121	-5	0.9	0.87	406.182	9.82	2627.578	2506.405	2.506405
12	24	11	931	82	-4	0.9	0.87	774.479	24.274	4779.506	4582.081	4.582081
12	24	12	945	86	-3	0.8	0.87	825.711	27.933	5012.95	4807.253	4.807253
12	24	13	931	85	-3	0.7	0.87	793.028	27.534	4829.178	4629.993	4.629993
12	24	14	883	77	-3	0.6	0.87	675.971	23.79	4193.674	4017.008	4.017008
12	24	15	782	63	-3	0.4	0.87	487.174	17.459	3086.199	2948.775	2.948775
12	24	16	558	38	-4	0.3	0.87	240.973	6.118	1406.61	1328.7	1.3287
12	24	17	0	0	-5	0.2	0.87	0	-5	0	0	0
12	24	18	0	0	-5	0.2	0.87	0	-5	0	0	0
12	24	19	0	0	-5	0.3	0.87	0	-5	0	0	0
12	24	20	0	0	-5	0.4	0.87	0	-5	0	0	0
12	24	21	0	0	-5	0.5	0.87	0	-5	0	0	0
12	24	22	0	0	-5	0.5	0.87	0	-5	0	0	0
12	24	23	0	0	-5	0.5	0.87	0	-5	0	0	0
12	25	0	0	0	-5	0.6	0.87	0	-5	0	0	0
12	25	1	0	0	-5	0.6	0.87	0	-5	0	0	0
12	25	2	0	0	-5	0.5	0.87	0	-5	0	0	0
12	25	3	0	0	-5	0.5	0.87	0	-5	0	0	0
12	25	4	0	0	-5	0.5	0.87	0	-5	0	0	0
12	25	5	0	0	-5	0.4	0.87	0	-5	0	0	0
12	25	6	0	0	-5	0.4	0.87	0	-5	0	0	0

Month	Day	Hour	Beam Irradiance (W/m ²)	Diffuse Irradiance (W/m ²)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m ²)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	25	7	0	0	-5	0.5	0.87	0	-5	0	0	0
12	25	8	0	16	-4	0.7	0.87	15.48	-3.433	79.384	48.503	0.048503
12	25	9	390	73	-3	0.8	0.87	280.29	7.467	1794.184	1702.541	1.702541
12	25	10	234	151	-1	0.9	0.87	326.788	10.907	2086.637	1984.631	1.984631
12	25	11	425	169	0	0.9	0.87	515.187	18.771	3218.238	3076.135	3.076135
12	25	12	481	157	1	0.9	0.87	560.548	21.42	3467.706	3316.763	3.316763
12	25	13	212	193	2	0.8	0.87	376.413	16.058	2349.607	2238.283	2.238283
12	25	14	0	76	2	0.7	0.87	73.95	4.831	454.416	410.246	0.410246
12	25	15	0	22	1	0.5	0.87	21.282	1.862	126.227	93.686	0.093686
12	25	16	0	12	0	0.4	0.87	11.597	0.479	64.93	34.562	0.034562
12	25	17	0	0	0	0.4	0.87	0	0	0	0	0
12	25	18	0	0	0	0.5	0.87	0	0	0	0	0
12	25	19	0	0	0	0.5	0.12	0	0	0	0	0
12	25	20	0	0	0	0.6	0.12	0	0	0	0	0
12	25	21	0	0	0	0.7	0.12	0	0	0	0	0
12	25	22	0	0	0	0.6	0.12	0	0	0	0	0
12	25	23	0	0	0	0.6	0.12	0	0	0	0	0
12	26	0	0	0	0	0.6	0.12	0	0	0	0	0
12	26	1	0	0	0	0.6	0.12	0	0	0	0	0
12	26	2	0	0	0	0.7	0.12	0	0	0	0	0
12	26	3	0	0	0	0.9	0.12	0	0	0	0	0
12	26	4	0	0	0	0.9	0.12	0	0	0	0	0
12	26	5	0	0	0	0.9	0.12	0	0	0	0	0
12	26	6	0	0	0	0.9	0.12	0	0	0	0	0
12	26	7	0	0	-1	0.9	0.12	0	-1	0	0	0
12	26	8	375	28	-1	0.9	0.12	149.286	4.029	742.278	687.908	0.687908
12	26	9	726	49	0	1	0.12	404.046	14.345	2555.546	2436.925	2.436925
12	26	10	851	58	0	0.9	0.12	597.024	21.849	3753.457	3592.389	3.592389
12	26	11	902	63	1	0.9	0.12	715.047	27.143	4391.103	4207.441	4.207441
12	26	12	919	64	2	0.8	0.12	763.277	30.636	4614.735	4423.149	4.423149
12	26	13	899	66	3	0.8	0.12	732.332	30.483	4435.452	4250.219	4.250219
12	26	14	855	61	3	0.6	0.12	632.266	28.091	3878.579	3713.078	3.713078
12	26	15	760	52	2	0.4	0.12	460.179	21.354	2887.488	2757.105	2.757105
12	26	16	542	34	0	0.6	0.12	231.878	8.932	1348.496	1272.645	1.272645
12	26	17	0	0	0	0.9	0.12	0	0	0	0	0
12	26	18	0	0	-1	0.8	0.12	0	-1	0	0	0
12	26	19	0	0	-1	0.6	0.12	0	-1	0	0	0
12	26	20	0	0	-1	0.3	0.12	0	-1	0	0	0
12	26	21	0	0	-1	0.3	0.12	0	-1	0	0	0
12	26	22	0	0	-1	0.4	0.12	0	-1	0	0	0
12	26	23	0	0	-1	0.5	0.12	0	-1	0	0	0
12	27	0	0	0	-1	0.5	0.12	0	-1	0	0	0
12	27	1	0	0	-2	0.5	0.12	0	-2	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	27	2	0	0	-3	0.4	0.12	0	-3	0	0	0
12	27	3	0	0	-3	0.4	0.12	0	-3	0	0	0
12	27	4	0	0	-3	0.4	0.12	0	-3	0	0	0
12	27	5	0	0	-4	0.4	0.12	0	-4	0	0	0
12	27	6	0	0	-4	0.4	0.12	0	-4	0	0	0
12	27	7	0	0	-3	0.4	0.12	0	-3	0	0	0
12	27	8	394	26	-1	0.5	0.12	151.832	4.688	745.814	691.319	0.691319
12	27	9	692	52	1	0.6	0.12	390.938	16.446	2450.976	2336.06	2.33606
12	27	10	820	64	3	0.7	0.12	584.907	25.579	3624.397	3467.902	3.467902
12	27	11	875	70	5	0.8	0.12	709.749	31.639	4282.088	4102.289	4.102289
12	27	12	893	72	6	0.8	0.12	754.262	34.295	4494.531	4307.204	4.307204
12	27	13	885	70	7	0.7	0.12	727.98	35.068	4330.288	4148.781	4.148781
12	27	14	841	65	6	0.6	0.12	629.252	30.97	3816.455	3653.155	3.653155
12	27	15	742	56	4	0.4	0.12	456.843	23.215	2846.709	2717.771	2.717771
12	27	16	522	36	1	0.4	0.12	228.118	10.322	1323.687	1248.715	1.248715
12	27	17	0	0	0	0.4	0.12	0	0	0	0	0
12	27	18	0	0	0	0.5	0.12	0	0	0	0	0
12	27	19	0	0	0	0.5	0.12	0	0	0	0	0
12	27	20	0	0	0	0.5	0.12	0	0	0	0	0
12	27	21	0	0	0	0.6	0.12	0	0	0	0	0
12	27	22	0	0	0	0.6	0.12	0	0	0	0	0
12	27	23	0	0	0	0.6	0.12	0	0	0	0	0
12	28	0	0	0	0	0.6	0.12	0	0	0	0	0
12	28	1	0	0	0	0.6	0.12	0	0	0	0	0
12	28	2	0	0	0	0.6	0.12	0	0	0	0	0
12	28	3	0	0	0	0.6	0.12	0	0	0	0	0
12	28	4	0	0	0	0.6	0.12	0	0	0	0	0
12	28	5	0	0	0	0.6	0.12	0	0	0	0	0
12	28	6	0	0	0	0.6	0.12	0	0	0	0	0
12	28	7	0	0	0	0.6	0.12	0	0	0	0	0
12	28	8	420	25	0	0.7	0.12	153.981	5.428	745.836	691.34	0.69134
12	28	9	398	72	2	0.7	0.12	277.866	12.672	1750.844	1660.736	1.660736
12	28	10	845	61	5	0.7	0.12	596.132	28.014	3661.119	3503.323	3.503323
12	28	11	902	67	7	0.8	0.12	719.946	34.024	4304.881	4124.274	4.124274
12	28	12	527	147	8	0.9	0.12	575.048	28.981	3478.028	3326.72	3.32672
12	28	13	693	97	8	0.8	0.12	630.95	31.662	3794.415	3631.896	3.631896
12	28	14	311	149	7	0.5	0.12	376.122	22.323	2322.68	2212.31	2.21231
12	28	15	126	111	4	0.4	0.12	190.726	11.996	1199.797	1129.215	1.129215
12	28	16	0	19	2	0.4	0.12	17.949	2.744	102.572	70.869	0.070869
12	28	17	0	0	1	0.4	0.12	0	1	0	0	0
12	28	18	0	0	1	0.4	0.12	0	1	0	0	0
12	28	19	0	0	0	0.4	0.12	0	0	0	0	0
12	28	20	0	0	0	0.4	0.12	0	0	0	0	0

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	28	21	0	0	0	0.4	0.12	0	0	0	0	0
12	28	22	0	0	1	0.5	0.12	0	1	0	0	0
12	28	23	0	0	1	0.5	0.12	0	1	0	0	0
12	29	0	0	0	1	0.5	0.12	0	1	0	0	0
12	29	1	0	0	0	0.4	0.12	0	0	0	0	0
12	29	2	0	0	0	0.2	0.12	0	0	0	0	0
12	29	3	0	0	0	0.2	0.12	0	0	0	0	0
12	29	4	0	0	0	0.2	0.12	0	0	0	0	0
12	29	5	0	0	0	0.2	0.12	0	0	0	0	0
12	29	6	0	0	0	0.2	0.12	0	0	0	0	0
12	29	7	0	0	0	0.2	0.12	0	0	0	0	0
12	29	8	0	3	0	0.3	0.12	2.827	0.116	13.016	0	0
12	29	9	0	19	1	0.4	0.12	17.945	1.75	106.223	74.391	0.074391
12	29	10	0	34	1	0.5	0.12	32.154	2.305	195.021	160.042	0.160042
12	29	11	110	189	3	0.6	0.12	290.438	14.468	1818.475	1725.971	1.725971
12	29	12	10	166	5	0.8	0.12	173.249	11.46	1072.166	1006.107	1.006107
12	29	13	0	133	6	0.9	0.12	130.55	10.741	802.601	746.093	0.746093
12	29	14	772	79	7	0.9	0.12	603.41	29.068	3682.183	3523.641	3.523641
12	29	15	644	71	6	0.8	0.12	428.913	22.109	2679.834	2556.809	2.556809
12	29	16	359	49	4	0.8	0.12	190.666	10.985	1112.232	1044.753	1.044753
12	29	17	0	0	2	0.9	0.12	0	2	0	0	0
12	29	18	0	0	1	0.8	0.12	0	1	0	0	0
12	29	19	0	0	0	0.7	0.12	0	0	0	0	0
12	29	20	0	0	0	0.7	0.12	0	0	0	0	0
12	29	21	0	0	0	0.8	0.12	0	0	0	0	0
12	29	22	0	0	0	0.8	0.12	0	0	0	0	0
12	29	23	0	0	-1	0.7	0.12	0	-1	0	0	0
12	30	0	0	0	-2	0.7	0.12	0	-2	0	0	0
12	30	1	0	0	-2	0.7	0.12	0	-2	0	0	0
12	30	2	0	0	-2	0.7	0.12	0	-2	0	0	0
12	30	3	0	0	-3	0.6	0.12	0	-3	0	0	0
12	30	4	0	0	-3	0.6	0.12	0	-3	0	0	0
12	30	5	0	0	-4	0.6	0.12	0	-4	0	0	0
12	30	6	0	0	-4	0.6	0.12	0	-4	0	0	0
12	30	7	0	0	-4	0.6	0.12	0	-4	0	0	0
12	30	8	0	24	-3	0.7	0.12	23.243	-2.155	117.975	85.726	0.085726
12	30	9	0	71	-2	0.8	0.12	69.917	0.609	438.632	395.021	0.395021
12	30	10	0	119	-1	0.8	0.12	118.305	3.418	749.84	695.202	0.695202
12	30	11	4	150	0	0.7	0.12	152.23	5.835	960.059	897.973	0.897973
12	30	12	0	90	0	0.6	0.12	85.739	3.376	533.82	486.837	0.486837
12	30	13	0	87	0	0.6	0.12	82.816	3.262	515.79	469.445	0.469445
12	30	14	67	161	0	0.6	0.12	215.88	8.526	1372.735	1296.026	1.296026
12	30	15	54	110	-1	0.5	0.12	145.665	4.923	929.87	868.853	0.868853

Month	Day	Hour	Beam Irradiance (W/m2)	Diffuse Irradiance (W/m2)	Ambient Temperature (C)	Wind Speed (m/s)	Albedo	Plane of Array Irradiance (W/m2)	Cell Temperature (C)	DC Array Output (W)	AC System Output (W)	AC System Output (kW)
12	30	16	554	38	-3	0.4	0.12	244.495	7.014	1450.138	1370.686	1.370686
12	30	17	0	0	-4	0.4	0.12	0	-4	0	0	0
12	30	18	0	0	-4	0.5	0.12	0	-4	0	0	0
12	30	19	0	0	-4	0.5	0.12	0	-4	0	0	0
12	30	20	0	0	-4	0.5	0.12	0	-4	0	0	0
12	30	21	0	0	-4	0.6	0.12	0	-4	0	0	0
12	30	22	0	0	-4	0.6	0.12	0	-4	0	0	0
12	30	23	0	0	-4	0.6	0.12	0	-4	0	0	0
12	31	0	0	0	-4	0.6	0.12	0	-4	0	0	0
12	31	1	0	0	-3	0.8	0.12	0	-3	0	0	0
12	31	2	0	0	-3	0.9	0.12	0	-3	0	0	0
12	31	3	0	0	-3	0.9	0.12	0	-3	0	0	0
12	31	4	0	0	-3	0.8	0.12	0	-3	0	0	0
12	31	5	0	0	-4	0.8	0.12	0	-4	0	0	0
12	31	6	0	0	-4	0.8	0.12	0	-4	0	0	0
12	31	7	0	0	-3	0.9	0.12	0	-3	0	0	0
12	31	8	312	30	-3	1.1	0.12	130.758	1.15	638.986	588.276	0.588276
12	31	9	632	62	-2	1.2	0.12	375.306	10.675	2398.252	2285.204	2.285204
12	31	10	780	75	-1	1.3	0.12	572.1	17.957	3644.155	3486.96	3.48696
12	31	11	867	74	0	1.3	0.12	709.468	23.487	4413.367	4228.916	4.228916
12	31	12	896	73	0	1.2	0.12	760.029	25.756	4677.82	4483.998	4.483998
12	31	13	880	72	0	1	0.12	736.096	26.216	4527.141	4338.658	4.338658
12	31	14	813	72	0	0.9	0.12	624.551	22.843	3903.735	3737.342	3.737342
12	31	15	281	104	0	0.6	0.12	270.064	10.699	1733.667	1644.169	1.644169
12	31	16	471	42	0	0.3	0.12	224.541	9.496	1324.022	1249.039	1.249039
12	31	17	0	0	-1	0.3	0.12	0	-1	0	0	0
12	31	18	0	0	-1	0.3	0.12	0	-1	0	0	0
12	31	19	0	0	4	0.4	0.11	0	4	0	0	0
12	31	20	0	0	3	1	0.11	0	3	0	0	0
12	31	21	0	0	1	1.2	0.11	0	1	0	0	0
12	31	22	0	0	0	1	0.11	0	0	0	0	0
12	31	23	0	0	0	0.6	0.11	0	0	0	0	0

TOTAL kW | 8841.887809

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	04/01/2021	1	135,993.04	1.01279
KY_RS	04/01/2021	2	131,457.15	0.97901
KY_RS	04/01/2021	3	131,052.57	0.976
KY_RS	04/01/2021	4	132,981.63	0.99036
KY_RS	04/01/2021	5	138,226.42	1.02942
KY_RS	04/01/2021	6	150,835.84	1.12333
KY_RS	04/01/2021	7	170,259.05	1.26798
KY_RS	04/01/2021	8	183,544.92	1.36693
KY_RS	04/01/2021	9	181,501.05	1.35171
KY_RS	04/01/2021	10	170,198.30	1.26753
KY_RS	04/01/2021	11	167,930.04	1.25064
KY_RS	04/01/2021	12	173,201.76	1.2899
KY_RS	04/01/2021	13	167,211.62	1.24529
KY_RS	04/01/2021	14	167,391.96	1.24663
KY_RS	04/01/2021	15	168,045.08	1.25149
KY_RS	04/01/2021	16	174,365.73	1.29857
KY_RS	04/01/2021	17	184,482.12	1.37391
KY_RS	04/01/2021	18	196,639.57	1.46445
KY_RS	04/01/2021	19	204,183.44	1.52063
KY_RS	04/01/2021	20	209,092.60	1.55719
KY_RS	04/01/2021	21	214,742.32	1.59927
KY_RS	04/01/2021	22	208,381.41	1.55189
KY_RS	04/01/2021	23	192,351.14	1.43251
KY_RS	04/01/2021	24	177,498.10	1.3219
KY_RS	04/02/2021	1	166,703.54	1.2415
KY_RS	04/02/2021	2	162,672.12	1.21148
KY_RS	04/02/2021	3	162,181.85	1.20783
KY_RS	04/02/2021	4	164,025.24	1.22156
KY_RS	04/02/2021	5	169,481.47	1.26219
KY_RS	04/02/2021	6	180,821.47	1.34665
KY_RS	04/02/2021	7	198,133.54	1.47557
KY_RS	04/02/2021	8	211,747.90	1.57697
KY_RS	04/02/2021	9	204,058.05	1.5197
KY_RS	04/02/2021	10	189,849.09	1.41388
KY_RS	04/02/2021	11	176,940.54	1.31774
KY_RS	04/02/2021	12	166,750.82	1.24186
KY_RS	04/02/2021	13	159,198.29	1.18561
KY_RS	04/02/2021	14	150,876.17	1.12363
KY_RS	04/02/2021	15	142,864.76	1.06397
KY_RS	04/02/2021	16	137,936.76	1.02727
KY_RS	04/02/2021	17	137,828.65	1.02646
KY_RS	04/02/2021	18	140,604.00	1.04713
KY_RS	04/02/2021	19	141,336.72	1.05259
KY_RS	04/02/2021	20	146,592.24	1.09173
KY_RS	04/02/2021	21	159,738.24	1.18963
KY_RS	04/02/2021	22	165,532.17	1.23278
KY_RS	04/02/2021	23	161,756.79	1.20466

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/02/2021	24	154,131.47		1.14788
KY_RS	04/03/2021	1	147,748.22		1.10034
KY_RS	04/03/2021	2	143,940.97		1.07198
KY_RS	04/03/2021	3	142,774.05		1.06329
KY_RS	04/03/2021	4	144,600.13		1.07689
KY_RS	04/03/2021	5	147,511.44		1.09857
KY_RS	04/03/2021	6	153,452.81		1.14282
KY_RS	04/03/2021	7	162,076.57		1.20705
KY_RS	04/03/2021	8	176,508.92		1.31453
KY_RS	04/03/2021	9	183,375.94		1.36567
KY_RS	04/03/2021	10	180,411.03		1.34359
KY_RS	04/03/2021	11	173,316.87		1.29076
KY_RS	04/03/2021	12	167,220.50		1.24535
KY_RS	04/03/2021	13	156,950.83		1.16887
KY_RS	04/03/2021	14	146,390.62		1.09023
KY_RS	04/03/2021	15	137,087.25		1.02094
KY_RS	04/03/2021	16	130,832.79		0.97436
KY_RS	04/03/2021	17	128,067.76		0.95377
KY_RS	04/03/2021	18	128,608.26		0.95779
KY_RS	04/03/2021	19	129,044.92		0.96105
KY_RS	04/03/2021	20	131,389.81		0.97851
KY_RS	04/03/2021	21	140,625.17		1.04729
KY_RS	04/03/2021	22	141,235.72		1.05184
KY_RS	04/03/2021	23	134,496.27		1.00164
KY_RS	04/03/2021	24	124,776.16		0.92926
KY_RS	04/04/2021	1	113,446.89		0.84488
KY_RS	04/04/2021	2	105,723.43		0.78736
KY_RS	04/04/2021	3	102,125.14		0.76056
KY_RS	04/04/2021	4	101,409.41		0.75523
KY_RS	04/04/2021	5	102,414.86		0.76272
KY_RS	04/04/2021	6	107,094.32		0.79757
KY_RS	04/04/2021	7	115,847.27		0.86276
KY_RS	04/04/2021	8	131,377.51		0.97842
KY_RS	04/04/2021	9	145,248.16		1.08172
KY_RS	04/04/2021	10	150,922.84		1.12398
KY_RS	04/04/2021	11	151,037.51		1.12483
KY_RS	04/04/2021	12	146,374.76		1.09011
KY_RS	04/04/2021	13	141,187.58		1.05148
KY_RS	04/04/2021	14	133,594.58		0.99493
KY_RS	04/04/2021	15	126,869.80		0.94485
KY_RS	04/04/2021	16	123,378.78		0.91885
KY_RS	04/04/2021	17	123,175.00		0.91733
KY_RS	04/04/2021	18	125,448.99		0.93427
KY_RS	04/04/2021	19	128,055.69		0.95368
KY_RS	04/04/2021	20	133,385.28		0.99337
KY_RS	04/04/2021	21	143,985.90		1.07232
KY_RS	04/04/2021	22	141,497.61		1.05379

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/04/2021	23	125,143.31		0.93199
KY_RS	04/04/2021	24	104,986.64		0.78188
KY_RS	04/05/2021	1	90,042.71		0.67058
KY_RS	04/05/2021	2	81,704.71		0.60849
KY_RS	04/05/2021	3	77,551.82		0.57756
KY_RS	04/05/2021	4	76,627.68		0.57068
KY_RS	04/05/2021	5	79,562.02		0.59253
KY_RS	04/05/2021	6	87,493.04		0.65159
KY_RS	04/05/2021	7	101,459.32		0.75561
KY_RS	04/05/2021	8	113,984.83		0.84889
KY_RS	04/05/2021	9	115,202.73		0.85796
KY_RS	04/05/2021	10	112,976.30		0.84138
KY_RS	04/05/2021	11	111,943.30		0.83368
KY_RS	04/05/2021	12	111,759.15		0.83231
KY_RS	04/05/2021	13	112,000.65		0.83411
KY_RS	04/05/2021	14	110,542.53		0.82325
KY_RS	04/05/2021	15	110,333.26		0.82169
KY_RS	04/05/2021	16	114,101.88		0.84976
KY_RS	04/05/2021	17	122,241.26		0.91038
KY_RS	04/05/2021	18	133,594.79		0.99493
KY_RS	04/05/2021	19	140,638.00		1.04738
KY_RS	04/05/2021	20	143,078.79		1.06556
KY_RS	04/05/2021	21	150,032.69		1.11735
KY_RS	04/05/2021	22	145,001.38		1.07988
KY_RS	04/05/2021	23	127,703.36		0.95105
KY_RS	04/05/2021	24	107,205.70		0.7984
KY_RS	04/06/2021	1	91,103.15		0.67848
KY_RS	04/06/2021	2	80,889.13		0.60241
KY_RS	04/06/2021	3	75,329.27		0.56101
KY_RS	04/06/2021	4	73,412.56		0.54673
KY_RS	04/06/2021	5	74,634.66		0.55583
KY_RS	04/06/2021	6	81,306.17		0.60552
KY_RS	04/06/2021	7	94,186.38		0.70144
KY_RS	04/06/2021	8	105,356.49		0.78463
KY_RS	04/06/2021	9	106,226.25		0.79111
KY_RS	04/06/2021	10	105,471.73		0.78549
KY_RS	04/06/2021	11	105,595.93		0.78641
KY_RS	04/06/2021	12	106,614.79		0.794
KY_RS	04/06/2021	13	109,207.24		0.81331
KY_RS	04/06/2021	14	110,543.02		0.82326
KY_RS	04/06/2021	15	111,901.96		0.83338
KY_RS	04/06/2021	16	117,585.81		0.87571
KY_RS	04/06/2021	17	127,528.50		0.94975
KY_RS	04/06/2021	18	139,104.62		1.03596
KY_RS	04/06/2021	19	146,656.07		1.0922
KY_RS	04/06/2021	20	148,781.83		1.10803
KY_RS	04/06/2021	21	154,263.09		1.14886

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/06/2021	22	151,530.46		1.1285
KY_RS	04/06/2021	23	133,998.52		0.99794
KY_RS	04/06/2021	24	112,454.83		0.83749
KY_RS	04/07/2021	1	95,372.75		0.71028
KY_RS	04/07/2021	2	84,377.72		0.62839
KY_RS	04/07/2021	3	77,798.35		0.57939
KY_RS	04/07/2021	4	74,537.12		0.55511
KY_RS	04/07/2021	5	74,412.76		0.55418
KY_RS	04/07/2021	6	79,945.23		0.59538
KY_RS	04/07/2021	7	90,826.82		0.67642
KY_RS	04/07/2021	8	101,154.47		0.75334
KY_RS	04/07/2021	9	102,774.32		0.7654
KY_RS	04/07/2021	10	104,765.67		0.78023
KY_RS	04/07/2021	11	108,202.44		0.80582
KY_RS	04/07/2021	12	113,056.46		0.84197
KY_RS	04/07/2021	13	118,582.23		0.88313
KY_RS	04/07/2021	14	123,758.62		0.92168
KY_RS	04/07/2021	15	129,466.13		0.96418
KY_RS	04/07/2021	16	137,576.63		1.02458
KY_RS	04/07/2021	17	149,701.75		1.11489
KY_RS	04/07/2021	18	162,490.87		1.21013
KY_RS	04/07/2021	19	165,849.90		1.23515
KY_RS	04/07/2021	20	166,222.38		1.23792
KY_RS	04/07/2021	21	171,084.08		1.27413
KY_RS	04/07/2021	22	167,614.30		1.24829
KY_RS	04/07/2021	23	149,170.47		1.11093
KY_RS	04/07/2021	24	126,547.91		0.94245
KY_RS	04/08/2021	1	107,868.99		0.80334
KY_RS	04/08/2021	2	95,905.70		0.71425
KY_RS	04/08/2021	3	87,729.17		0.65335
KY_RS	04/08/2021	4	82,745.89		0.61624
KY_RS	04/08/2021	5	81,193.12		0.60468
KY_RS	04/08/2021	6	84,919.88		0.63243
KY_RS	04/08/2021	7	95,232.42		0.70923
KY_RS	04/08/2021	8	103,700.44		0.7723
KY_RS	04/08/2021	9	105,410.36		0.78503
KY_RS	04/08/2021	10	107,733.55		0.80233
KY_RS	04/08/2021	11	109,940.12		0.81877
KY_RS	04/08/2021	12	112,129.76		0.83507
KY_RS	04/08/2021	13	114,169.89		0.85027
KY_RS	04/08/2021	14	113,631.86		0.84626
KY_RS	04/08/2021	15	113,185.02		0.84293
KY_RS	04/08/2021	16	115,182.33		0.85781
KY_RS	04/08/2021	17	123,475.79		0.91957
KY_RS	04/08/2021	18	137,823.12		1.02642
KY_RS	04/08/2021	19	142,931.97		1.06447
KY_RS	04/08/2021	20	143,523.19		1.06887

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/08/2021	21	145,898.91		1.08656
KY_RS	04/08/2021	22	141,588.65		1.05446
KY_RS	04/08/2021	23	125,818.08		0.93701
KY_RS	04/08/2021	24	106,828.50		0.79559
KY_RS	04/09/2021	1	91,434.13		0.68094
KY_RS	04/09/2021	2	81,741.63		0.60876
KY_RS	04/09/2021	3	76,029.77		0.56622
KY_RS	04/09/2021	4	73,517.23		0.54751
KY_RS	04/09/2021	5	73,912.29		0.55045
KY_RS	04/09/2021	6	79,772.06		0.59409
KY_RS	04/09/2021	7	91,488.33		0.68135
KY_RS	04/09/2021	8	101,925.19		0.75908
KY_RS	04/09/2021	9	104,437.69		0.77779
KY_RS	04/09/2021	10	106,315.18		0.79177
KY_RS	04/09/2021	11	108,224.20		0.80599
KY_RS	04/09/2021	12	109,548.97		0.81585
KY_RS	04/09/2021	13	112,757.02		0.83974
KY_RS	04/09/2021	14	115,007.83		0.85651
KY_RS	04/09/2021	15	119,774.69		0.89201
KY_RS	04/09/2021	16	126,599.03		0.94283
KY_RS	04/09/2021	17	135,523.41		1.00929
KY_RS	04/09/2021	18	145,841.50		1.08614
KY_RS	04/09/2021	19	148,662.88		1.10715
KY_RS	04/09/2021	20	143,238.44		1.06675
KY_RS	04/09/2021	21	142,730.06		1.06296
KY_RS	04/09/2021	22	140,097.89		1.04336
KY_RS	04/09/2021	23	129,084.44		0.96134
KY_RS	04/09/2021	24	114,271.91		0.85103
KY_RS	04/10/2021	1	98,669.49		0.73483
KY_RS	04/10/2021	2	87,333.18		0.6504
KY_RS	04/10/2021	3	79,898.34		0.59503
KY_RS	04/10/2021	4	75,590.79		0.56295
KY_RS	04/10/2021	5	73,535.61		0.54765
KY_RS	04/10/2021	6	74,156.83		0.55227
KY_RS	04/10/2021	7	77,761.38		0.57912
KY_RS	04/10/2021	8	86,992.95		0.64787
KY_RS	04/10/2021	9	100,973.07		0.75198
KY_RS	04/10/2021	10	112,253.57		0.83599
KY_RS	04/10/2021	11	120,214.06		0.89528
KY_RS	04/10/2021	12	125,332.16		0.9334
KY_RS	04/10/2021	13	128,057.02		0.95369
KY_RS	04/10/2021	14	128,035.33		0.95353
KY_RS	04/10/2021	15	128,018.58		0.9534
KY_RS	04/10/2021	16	127,983.98		0.95314
KY_RS	04/10/2021	17	130,275.41		0.97021
KY_RS	04/10/2021	18	135,075.68		1.00596
KY_RS	04/10/2021	19	135,828.15		1.01156

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/10/2021	20	131,920.55		0.98246
KY_RS	04/10/2021	21	132,018.91		0.98319
KY_RS	04/10/2021	22	128,790.30		0.95915
KY_RS	04/10/2021	23	119,040.34		0.88654
KY_RS	04/10/2021	24	106,549.64		0.79352
KY_RS	04/11/2021	1	93,768.57		0.69833
KY_RS	04/11/2021	2	84,666.86		0.63055
KY_RS	04/11/2021	3	79,264.31		0.59031
KY_RS	04/11/2021	4	76,112.14		0.56684
KY_RS	04/11/2021	5	75,476.35		0.5621
KY_RS	04/11/2021	6	77,488.58		0.57709
KY_RS	04/11/2021	7	82,107.76		0.61149
KY_RS	04/11/2021	8	93,768.29		0.69833
KY_RS	04/11/2021	9	110,722.78		0.82459
KY_RS	04/11/2021	10	126,353.54		0.941
KY_RS	04/11/2021	11	135,788.98		1.01127
KY_RS	04/11/2021	12	141,677.48		1.05513
KY_RS	04/11/2021	13	146,137.22		1.08834
KY_RS	04/11/2021	14	146,028.06		1.08753
KY_RS	04/11/2021	15	144,988.61		1.07978
KY_RS	04/11/2021	16	145,729.88		1.08531
KY_RS	04/11/2021	17	150,483.96		1.12071
KY_RS	04/11/2021	18	157,274.91		1.17129
KY_RS	04/11/2021	19	160,517.40		1.19543
KY_RS	04/11/2021	20	162,292.74		1.20866
KY_RS	04/11/2021	21	162,578.75		1.21079
KY_RS	04/11/2021	22	153,982.23		1.14676
KY_RS	04/11/2021	23	136,573.16		1.01711
KY_RS	04/11/2021	24	118,242.85		0.8806
KY_RS	04/12/2021	1	104,688.50		0.77965
KY_RS	04/12/2021	2	96,488.91		0.71859
KY_RS	04/12/2021	3	92,144.80		0.68624
KY_RS	04/12/2021	4	90,581.74		0.6746
KY_RS	04/12/2021	5	91,963.56		0.68489
KY_RS	04/12/2021	6	99,746.73		0.74285
KY_RS	04/12/2021	7	113,407.11		0.84459
KY_RS	04/12/2021	8	122,702.17		0.91381
KY_RS	04/12/2021	9	123,555.32		0.92016
KY_RS	04/12/2021	10	123,869.77		0.9225
KY_RS	04/12/2021	11	125,967.43		0.93813
KY_RS	04/12/2021	12	123,939.50		0.92302
KY_RS	04/12/2021	13	120,615.53		0.89827
KY_RS	04/12/2021	14	116,014.66		0.864
KY_RS	04/12/2021	15	111,103.43		0.82743
KY_RS	04/12/2021	16	110,317.19		0.82157
KY_RS	04/12/2021	17	115,063.88		0.85692
KY_RS	04/12/2021	18	124,852.06		0.92982

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/12/2021	19	130,724.82		0.97356
KY_RS	04/12/2021	20	132,700.10		0.98827
KY_RS	04/12/2021	21	140,528.14		1.04657
KY_RS	04/12/2021	22	137,466.13		1.02376
KY_RS	04/12/2021	23	122,145.33		0.90966
KY_RS	04/12/2021	24	104,498.50		0.77824
KY_RS	04/13/2021	1	91,909.57		0.68449
KY_RS	04/13/2021	2	85,488.47		0.63666
KY_RS	04/13/2021	3	83,232.39		0.61986
KY_RS	04/13/2021	4	83,604.84		0.62264
KY_RS	04/13/2021	5	86,792.63		0.64638
KY_RS	04/13/2021	6	95,672.73		0.71251
KY_RS	04/13/2021	7	110,143.67		0.82028
KY_RS	04/13/2021	8	119,969.64		0.89346
KY_RS	04/13/2021	9	120,291.45		0.89586
KY_RS	04/13/2021	10	119,287.77		0.88838
KY_RS	04/13/2021	11	117,966.93		0.87854
KY_RS	04/13/2021	12	115,053.50		0.85685
KY_RS	04/13/2021	13	110,065.26		0.8197
KY_RS	04/13/2021	14	105,501.03		0.78571
KY_RS	04/13/2021	15	102,876.00		0.76616
KY_RS	04/13/2021	16	104,658.88		0.77943
KY_RS	04/13/2021	17	111,435.64		0.8299
KY_RS	04/13/2021	18	122,040.71		0.90888
KY_RS	04/13/2021	19	128,622.81		0.9579
KY_RS	04/13/2021	20	131,641.63		0.98038
KY_RS	04/13/2021	21	138,978.35		1.03502
KY_RS	04/13/2021	22	136,572.04		1.0171
KY_RS	04/13/2021	23	120,959.30		0.90083
KY_RS	04/13/2021	24	102,794.43		0.76555
KY_RS	04/14/2021	1	89,040.05		0.66311
KY_RS	04/14/2021	2	81,363.33		0.60594
KY_RS	04/14/2021	3	77,852.89		0.5798
KY_RS	04/14/2021	4	76,870.20		0.57248
KY_RS	04/14/2021	5	79,403.38		0.59135
KY_RS	04/14/2021	6	87,391.84		0.65084
KY_RS	04/14/2021	7	101,250.19		0.75405
KY_RS	04/14/2021	8	111,124.73		0.82759
KY_RS	04/14/2021	9	111,781.13		0.83248
KY_RS	04/14/2021	10	112,905.69		0.84085
KY_RS	04/14/2021	11	113,695.25		0.84673
KY_RS	04/14/2021	12	114,155.40		0.85016
KY_RS	04/14/2021	13	114,824.50		0.85514
KY_RS	04/14/2021	14	112,451.86		0.83747
KY_RS	04/14/2021	15	108,621.45		0.80894
KY_RS	04/14/2021	16	107,741.86		0.80239
KY_RS	04/14/2021	17	112,192.26		0.83554

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/14/2021	18	121,370.16		0.90389
KY_RS	04/14/2021	19	126,515.52		0.94221
KY_RS	04/14/2021	20	130,745.03		0.97371
KY_RS	04/14/2021	21	139,153.92		1.03633
KY_RS	04/14/2021	22	138,507.44		1.03152
KY_RS	04/14/2021	23	124,488.47		0.92711
KY_RS	04/14/2021	24	107,796.43		0.8028
KY_RS	04/15/2021	1	96,809.21		0.72097
KY_RS	04/15/2021	2	90,931.26		0.6772
KY_RS	04/15/2021	3	88,883.74		0.66195
KY_RS	04/15/2021	4	89,278.74		0.66489
KY_RS	04/15/2021	5	93,650.28		0.69745
KY_RS	04/15/2021	6	104,381.26		0.77737
KY_RS	04/15/2021	7	121,695.59		0.90631
KY_RS	04/15/2021	8	133,403.40		0.99351
KY_RS	04/15/2021	9	130,922.12		0.97503
KY_RS	04/15/2021	10	127,741.46		0.95134
KY_RS	04/15/2021	11	129,989.82		0.96808
KY_RS	04/15/2021	12	126,368.77		0.94112
KY_RS	04/15/2021	13	124,405.44		0.92649
KY_RS	04/15/2021	14	119,906.21		0.89299
KY_RS	04/15/2021	15	114,945.32		0.85604
KY_RS	04/15/2021	16	114,316.28		0.85136
KY_RS	04/15/2021	17	120,057.01		0.89411
KY_RS	04/15/2021	18	131,872.46		0.9821
KY_RS	04/15/2021	19	138,423.26		1.03089
KY_RS	04/15/2021	20	144,639.12		1.07718
KY_RS	04/15/2021	21	153,232.82		1.14118
KY_RS	04/15/2021	22	150,431.24		1.12032
KY_RS	04/15/2021	23	137,553.93		1.02442
KY_RS	04/15/2021	24	123,698.08		0.92123
KY_RS	04/16/2021	1	114,128.85		0.84996
KY_RS	04/16/2021	2	110,019.22		0.81935
KY_RS	04/16/2021	3	109,040.21		0.81206
KY_RS	04/16/2021	4	110,926.41		0.82611
KY_RS	04/16/2021	5	115,661.99		0.86138
KY_RS	04/16/2021	6	126,138.71		0.9394
KY_RS	04/16/2021	7	143,768.97		1.0707
KY_RS	04/16/2021	8	155,292.18		1.15652
KY_RS	04/16/2021	9	146,633.98		1.09204
KY_RS	04/16/2021	10	135,885.35		1.01199
KY_RS	04/16/2021	11	127,651.42		0.95067
KY_RS	04/16/2021	12	122,722.13		0.91396
KY_RS	04/16/2021	13	118,512.40		0.88261
KY_RS	04/16/2021	14	113,253.97		0.84344
KY_RS	04/16/2021	15	109,138.19		0.81279
KY_RS	04/16/2021	16	108,240.85		0.80611

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/16/2021	17	112,009.03		0.83417
KY_RS	04/16/2021	18	117,161.22		0.87254
KY_RS	04/16/2021	19	119,724.63		0.89163
KY_RS	04/16/2021	20	120,756.67		0.89932
KY_RS	04/16/2021	21	126,925.57		0.94526
KY_RS	04/16/2021	22	128,252.84		0.95515
KY_RS	04/16/2021	23	120,791.00		0.89958
KY_RS	04/16/2021	24	110,609.91		0.82375
KY_RS	04/17/2021	1	101,235.96		0.75394
KY_RS	04/17/2021	2	95,951.61		0.71459
KY_RS	04/17/2021	3	93,801.22		0.69857
KY_RS	04/17/2021	4	92,990.48		0.69254
KY_RS	04/17/2021	5	94,196.50		0.70152
KY_RS	04/17/2021	6	98,419.01		0.73296
KY_RS	04/17/2021	7	104,415.18		0.77762
KY_RS	04/17/2021	8	115,902.42		0.86317
KY_RS	04/17/2021	9	129,047.64		0.96107
KY_RS	04/17/2021	10	136,236.94		1.01461
KY_RS	04/17/2021	11	137,071.50		1.02082
KY_RS	04/17/2021	12	136,418.46		1.01596
KY_RS	04/17/2021	13	137,120.17		1.02119
KY_RS	04/17/2021	14	135,212.01		1.00697
KY_RS	04/17/2021	15	129,881.83		0.96728
KY_RS	04/17/2021	16	128,388.75		0.95616
KY_RS	04/17/2021	17	132,353.77		0.98569
KY_RS	04/17/2021	18	136,850.52		1.01918
KY_RS	04/17/2021	19	138,552.08		1.03185
KY_RS	04/17/2021	20	137,343.30		1.02285
KY_RS	04/17/2021	21	141,017.22		1.05021
KY_RS	04/17/2021	22	142,592.82		1.06194
KY_RS	04/17/2021	23	135,220.99		1.00704
KY_RS	04/17/2021	24	125,553.53		0.93504
KY_RS	04/18/2021	1	116,347.07		0.86648
KY_RS	04/18/2021	2	110,305.96		0.82149
KY_RS	04/18/2021	3	107,380.47		0.7997
KY_RS	04/18/2021	4	107,075.36		0.79743
KY_RS	04/18/2021	5	108,771.58		0.81006
KY_RS	04/18/2021	6	113,680.55		0.84662
KY_RS	04/18/2021	7	121,010.07		0.90121
KY_RS	04/18/2021	8	133,614.34		0.99508
KY_RS	04/18/2021	9	140,135.96		1.04365
KY_RS	04/18/2021	10	141,540.36		1.0541
KY_RS	04/18/2021	11	139,801.92		1.04116
KY_RS	04/18/2021	12	136,547.22		1.01692
KY_RS	04/18/2021	13	133,695.05		0.99568
KY_RS	04/18/2021	14	129,131.84		0.96169
KY_RS	04/18/2021	15	125,165.88		0.93216

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/18/2021	16	124,391.51		0.92639
KY_RS	04/18/2021	17	127,678.11		0.95087
KY_RS	04/18/2021	18	134,788.39		1.00382
KY_RS	04/18/2021	19	140,123.32		1.04355
KY_RS	04/18/2021	20	144,521.30		1.0763
KY_RS	04/18/2021	21	151,751.88		1.13015
KY_RS	04/18/2021	22	147,750.83		1.10036
KY_RS	04/18/2021	23	128,971.50		0.9605
KY_RS	04/18/2021	24	108,934.74		0.81128
KY_RS	04/19/2021	1	94,608.04		0.70458
KY_RS	04/19/2021	2	86,888.91		0.64709
KY_RS	04/19/2021	3	83,490.43		0.62178
KY_RS	04/19/2021	4	83,793.98		0.62405
KY_RS	04/19/2021	5	86,503.65		0.64423
KY_RS	04/19/2021	6	96,133.97		0.71595
KY_RS	04/19/2021	7	115,322.48		0.85885
KY_RS	04/19/2021	8	125,813.98		0.93698
KY_RS	04/19/2021	9	118,744.59		0.88434
KY_RS	04/19/2021	10	113,609.20		0.84609
KY_RS	04/19/2021	11	110,465.86		0.82268
KY_RS	04/19/2021	12	109,002.26		0.81178
KY_RS	04/19/2021	13	109,176.75		0.81308
KY_RS	04/19/2021	14	106,894.82		0.79609
KY_RS	04/19/2021	15	105,195.79		0.78343
KY_RS	04/19/2021	16	108,014.68		0.80443
KY_RS	04/19/2021	17	115,554.80		0.86058
KY_RS	04/19/2021	18	127,439.33		0.94909
KY_RS	04/19/2021	19	133,901.31		0.99721
KY_RS	04/19/2021	20	136,589.09		1.01723
KY_RS	04/19/2021	21	142,557.56		1.06168
KY_RS	04/19/2021	22	140,203.03		1.04414
KY_RS	04/19/2021	23	122,656.34		0.91347
KY_RS	04/19/2021	24	103,130.46		0.76805
KY_RS	04/20/2021	1	89,663.69		0.66776
KY_RS	04/20/2021	2	82,884.28		0.61727
KY_RS	04/20/2021	3	80,656.21		0.60068
KY_RS	04/20/2021	4	81,366.12		0.60596
KY_RS	04/20/2021	5	85,709.13		0.63831
KY_RS	04/20/2021	6	96,987.99		0.72231
KY_RS	04/20/2021	7	117,414.46		0.87443
KY_RS	04/20/2021	8	129,361.76		0.96341
KY_RS	04/20/2021	9	124,128.71		0.92443
KY_RS	04/20/2021	10	116,701.84		0.86912
KY_RS	04/20/2021	11	111,819.79		0.83276
KY_RS	04/20/2021	12	108,763.56		0.81
KY_RS	04/20/2021	13	106,511.54		0.79323
KY_RS	04/20/2021	14	102,801.59		0.7656

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	04/20/2021	15	101,514.50	0.75602
KY_RS	04/20/2021	16	104,630.43	0.77922
KY_RS	04/20/2021	17	113,095.96	0.84227
KY_RS	04/20/2021	18	126,326.21	0.9408
KY_RS	04/20/2021	19	134,278.84	1.00003
KY_RS	04/20/2021	20	138,448.99	1.03108
KY_RS	04/20/2021	21	146,269.02	1.08932
KY_RS	04/20/2021	22	143,888.31	1.07159
KY_RS	04/20/2021	23	132,267.94	0.98505
KY_RS	04/20/2021	24	120,030.95	0.89392
KY_RS	04/21/2021	1	112,511.89	0.83792
KY_RS	04/21/2021	2	112,454.17	0.83749
KY_RS	04/21/2021	3	114,923.86	0.85588
KY_RS	04/21/2021	4	118,167.96	0.88004
KY_RS	04/21/2021	5	125,008.47	0.93099
KY_RS	04/21/2021	6	137,745.87	1.02585
KY_RS	04/21/2021	7	158,308.86	1.17899
KY_RS	04/21/2021	8	171,990.86	1.28088
KY_RS	04/21/2021	9	169,730.63	1.26405
KY_RS	04/21/2021	10	163,784.85	1.21977
KY_RS	04/21/2021	11	154,580.58	1.15122
KY_RS	04/21/2021	12	150,006.28	1.11715
KY_RS	04/21/2021	13	149,189.74	1.11107
KY_RS	04/21/2021	14	145,319.95	1.08225
KY_RS	04/21/2021	15	143,629.03	1.06966
KY_RS	04/21/2021	16	144,634.72	1.07715
KY_RS	04/21/2021	17	154,585.84	1.15126
KY_RS	04/21/2021	18	171,441.54	1.27679
KY_RS	04/21/2021	19	166,159.85	1.23745
KY_RS	04/21/2021	20	169,787.45	1.26447
KY_RS	04/21/2021	21	181,950.29	1.35505
KY_RS	04/21/2021	22	181,629.70	1.35266
KY_RS	04/21/2021	23	167,468.96	1.2472
KY_RS	04/21/2021	24	153,271.35	1.14147
KY_RS	04/22/2021	1	145,428.14	1.08306
KY_RS	04/22/2021	2	142,746.47	1.06309
KY_RS	04/22/2021	3	142,685.90	1.06264
KY_RS	04/22/2021	4	142,461.12	1.06096
KY_RS	04/22/2021	5	145,528.82	1.08381
KY_RS	04/22/2021	6	154,907.94	1.15366
KY_RS	04/22/2021	7	171,089.22	1.27417
KY_RS	04/22/2021	8	178,002.32	1.32565
KY_RS	04/22/2021	9	170,663.26	1.27099
KY_RS	04/22/2021	10	157,052.72	1.16963
KY_RS	04/22/2021	11	143,881.36	1.07154
KY_RS	04/22/2021	12	140,642.61	1.04742
KY_RS	04/22/2021	13	141,365.44	1.0528

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/22/2021	14	135,344.17		1.00796
KY_RS	04/22/2021	15	129,853.23		0.96707
KY_RS	04/22/2021	16	127,765.18		0.95152
KY_RS	04/22/2021	17	131,513.02		0.97943
KY_RS	04/22/2021	18	138,221.61		1.02939
KY_RS	04/22/2021	19	141,311.55		1.0524
KY_RS	04/22/2021	20	146,525.82		1.09123
KY_RS	04/22/2021	21	158,186.83		1.17808
KY_RS	04/22/2021	22	160,770.75		1.19732
KY_RS	04/22/2021	23	150,134.12		1.11811
KY_RS	04/22/2021	24	137,221.31		1.02194
KY_RS	04/23/2021	1	128,754.08		0.95888
KY_RS	04/23/2021	2	125,910.91		0.93771
KY_RS	04/23/2021	3	126,538.19		0.94238
KY_RS	04/23/2021	4	129,343.45		0.96327
KY_RS	04/23/2021	5	134,439.88		1.00122
KY_RS	04/23/2021	6	146,221.65		1.08897
KY_RS	04/23/2021	7	164,093.79		1.22207
KY_RS	04/23/2021	8	171,894.65		1.28016
KY_RS	04/23/2021	9	164,789.03		1.22725
KY_RS	04/23/2021	10	154,367.42		1.14963
KY_RS	04/23/2021	11	143,410.29		1.06803
KY_RS	04/23/2021	12	135,374.59		1.00819
KY_RS	04/23/2021	13	132,077.64		0.98363
KY_RS	04/23/2021	14	126,972.05		0.94561
KY_RS	04/23/2021	15	120,178.95		0.89502
KY_RS	04/23/2021	16	117,277.89		0.87341
KY_RS	04/23/2021	17	120,607.80		0.89821
KY_RS	04/23/2021	18	125,625.03		0.93558
KY_RS	04/23/2021	19	126,776.02		0.94415
KY_RS	04/23/2021	20	129,246.11		0.96254
KY_RS	04/23/2021	21	134,520.67		1.00183
KY_RS	04/23/2021	22	134,464.52		1.00141
KY_RS	04/23/2021	23	127,101.58		0.94657
KY_RS	04/23/2021	24	117,119.24		0.87223
KY_RS	04/24/2021	1	108,092.21		0.805
KY_RS	04/24/2021	2	102,108.95		0.76044
KY_RS	04/24/2021	3	99,006.62		0.73734
KY_RS	04/24/2021	4	98,859.60		0.73624
KY_RS	04/24/2021	5	100,116.35		0.7456
KY_RS	04/24/2021	6	104,727.34		0.77994
KY_RS	04/24/2021	7	110,144.81		0.82029
KY_RS	04/24/2021	8	121,287.30		0.90327
KY_RS	04/24/2021	9	133,963.81		0.99768
KY_RS	04/24/2021	10	142,182.70		1.05889
KY_RS	04/24/2021	11	146,102.35		1.08808
KY_RS	04/24/2021	12	148,947.54		1.10927

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/24/2021	13	150,380.43		1.11994
KY_RS	04/24/2021	14	147,988.16		1.10212
KY_RS	04/24/2021	15	148,262.40		1.10417
KY_RS	04/24/2021	16	147,975.98		1.10203
KY_RS	04/24/2021	17	149,448.13		1.113
KY_RS	04/24/2021	18	152,560.15		1.13617
KY_RS	04/24/2021	19	152,553.92		1.13613
KY_RS	04/24/2021	20	150,687.00		1.12222
KY_RS	04/24/2021	21	150,779.74		1.12291
KY_RS	04/24/2021	22	146,966.60		1.09452
KY_RS	04/24/2021	23	136,863.63		1.01927
KY_RS	04/24/2021	24	124,399.01		0.92645
KY_RS	04/25/2021	1	113,472.75		0.84507
KY_RS	04/25/2021	2	105,684.51		0.78707
KY_RS	04/25/2021	3	100,644.08		0.74953
KY_RS	04/25/2021	4	99,947.43		0.74435
KY_RS	04/25/2021	5	101,653.49		0.75705
KY_RS	04/25/2021	6	105,612.93		0.78654
KY_RS	04/25/2021	7	110,704.00		0.82445
KY_RS	04/25/2021	8	121,218.01		0.90276
KY_RS	04/25/2021	9	134,686.16		1.00306
KY_RS	04/25/2021	10	145,163.88		1.08109
KY_RS	04/25/2021	11	151,533.73		1.12853
KY_RS	04/25/2021	12	154,903.41		1.15362
KY_RS	04/25/2021	13	149,844.41		1.11595
KY_RS	04/25/2021	14	140,639.47		1.04739
KY_RS	04/25/2021	15	134,045.94		0.99829
KY_RS	04/25/2021	16	129,805.64		0.96671
KY_RS	04/25/2021	17	130,724.63		0.97356
KY_RS	04/25/2021	18	136,415.56		1.01594
KY_RS	04/25/2021	19	140,719.21		1.04799
KY_RS	04/25/2021	20	144,535.66		1.07641
KY_RS	04/25/2021	21	152,718.31		1.13735
KY_RS	04/25/2021	22	151,276.76		1.12661
KY_RS	04/25/2021	23	133,548.85		0.99459
KY_RS	04/25/2021	24	114,008.70		0.84907
KY_RS	04/26/2021	1	101,348.70		0.75478
KY_RS	04/26/2021	2	95,701.06		0.71272
KY_RS	04/26/2021	3	94,328.28		0.7025
KY_RS	04/26/2021	4	96,332.68		0.71743
KY_RS	04/26/2021	5	101,788.00		0.75805
KY_RS	04/26/2021	6	113,148.56		0.84266
KY_RS	04/26/2021	7	133,060.54		0.99095
KY_RS	04/26/2021	8	141,745.66		1.05563
KY_RS	04/26/2021	9	129,879.93		0.96726
KY_RS	04/26/2021	10	120,845.52		0.89998
KY_RS	04/26/2021	11	114,966.49		0.8562

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/26/2021	12	111,459.22		0.83008
KY_RS	04/26/2021	13	109,604.79		0.81627
KY_RS	04/26/2021	14	106,490.62		0.79308
KY_RS	04/26/2021	15	105,328.85		0.78442
KY_RS	04/26/2021	16	109,163.79		0.81298
KY_RS	04/26/2021	17	119,045.47		0.88658
KY_RS	04/26/2021	18	131,897.10		0.98229
KY_RS	04/26/2021	19	139,758.49		1.04083
KY_RS	04/26/2021	20	142,757.02		1.06317
KY_RS	04/26/2021	21	148,540.42		1.10624
KY_RS	04/26/2021	22	147,719.13		1.10012
KY_RS	04/26/2021	23	129,549.28		0.9648
KY_RS	04/26/2021	24	107,987.53		0.80422
KY_RS	04/27/2021	1	91,438.83		0.68098
KY_RS	04/27/2021	2	81,790.15		0.60912
KY_RS	04/27/2021	3	76,402.19		0.569
KY_RS	04/27/2021	4	74,069.97		0.55163
KY_RS	04/27/2021	5	75,343.32		0.56111
KY_RS	04/27/2021	6	82,334.24		0.61317
KY_RS	04/27/2021	7	98,202.45		0.73135
KY_RS	04/27/2021	8	105,967.67		0.78918
KY_RS	04/27/2021	9	103,493.56		0.77076
KY_RS	04/27/2021	10	103,135.45		0.76809
KY_RS	04/27/2021	11	104,953.27		0.78163
KY_RS	04/27/2021	12	108,238.60		0.80609
KY_RS	04/27/2021	13	112,568.09		0.83834
KY_RS	04/27/2021	14	115,732.28		0.8619
KY_RS	04/27/2021	15	120,399.24		0.89666
KY_RS	04/27/2021	16	130,785.18		0.97401
KY_RS	04/27/2021	17	146,098.94		1.08805
KY_RS	04/27/2021	18	160,817.19		1.19767
KY_RS	04/27/2021	19	166,118.16		1.23714
KY_RS	04/27/2021	20	166,703.53		1.2415
KY_RS	04/27/2021	21	170,961.10		1.27321
KY_RS	04/27/2021	22	169,993.65		1.26601
KY_RS	04/27/2021	23	151,241.93		1.12636
KY_RS	04/27/2021	24	128,593.83		0.95769
KY_RS	04/28/2021	1	109,734.92		0.81724
KY_RS	04/28/2021	2	97,139.85		0.72344
KY_RS	04/28/2021	3	89,394.26		0.66575
KY_RS	04/28/2021	4	85,125.14		0.63396
KY_RS	04/28/2021	5	84,471.83		0.62909
KY_RS	04/28/2021	6	88,807.08		0.66138
KY_RS	04/28/2021	7	101,583.87		0.75653
KY_RS	04/28/2021	8	110,292.55		0.82139
KY_RS	04/28/2021	9	108,685.92		0.80942
KY_RS	04/28/2021	10	109,730.32		0.8172

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/28/2021	11	115,048.92		0.85681
KY_RS	04/28/2021	12	123,684.81		0.92113
KY_RS	04/28/2021	13	133,104.29		0.99128
KY_RS	04/28/2021	14	138,512.95		1.03156
KY_RS	04/28/2021	15	147,594.26		1.09919
KY_RS	04/28/2021	16	162,815.70		1.21255
KY_RS	04/28/2021	17	174,361.04		1.29853
KY_RS	04/28/2021	18	186,044.33		1.38554
KY_RS	04/28/2021	19	185,769.93		1.3835
KY_RS	04/28/2021	20	180,096.04		1.34124
KY_RS	04/28/2021	21	177,781.51		1.32401
KY_RS	04/28/2021	22	171,352.79		1.27613
KY_RS	04/28/2021	23	153,377.77		1.14226
KY_RS	04/28/2021	24	131,338.98		0.97813
KY_RS	04/29/2021	1	113,236.62		0.84332
KY_RS	04/29/2021	2	101,152.23		0.75332
KY_RS	04/29/2021	3	93,730.32		0.69804
KY_RS	04/29/2021	4	89,210.44		0.66438
KY_RS	04/29/2021	5	88,215.79		0.65698
KY_RS	04/29/2021	6	93,077.03		0.69318
KY_RS	04/29/2021	7	105,814.69		0.78804
KY_RS	04/29/2021	8	114,797.28		0.85494
KY_RS	04/29/2021	9	114,365.63		0.85172
KY_RS	04/29/2021	10	115,348.01		0.85904
KY_RS	04/29/2021	11	117,893.62		0.878
KY_RS	04/29/2021	12	121,600.99		0.90561
KY_RS	04/29/2021	13	125,854.54		0.93729
KY_RS	04/29/2021	14	125,785.94		0.93678
KY_RS	04/29/2021	15	122,816.54		0.91466
KY_RS	04/29/2021	16	126,691.74		0.94352
KY_RS	04/29/2021	17	135,879.65		1.01195
KY_RS	04/29/2021	18	147,998.60		1.1022
KY_RS	04/29/2021	19	151,334.47		1.12704
KY_RS	04/29/2021	20	150,622.65		1.12174
KY_RS	04/29/2021	21	149,995.82		1.11708
KY_RS	04/29/2021	22	145,414.85		1.08296
KY_RS	04/29/2021	23	128,799.07		0.95922
KY_RS	04/29/2021	24	108,497.12		0.80802
KY_RS	04/30/2021	1	92,602.36		0.68964
KY_RS	04/30/2021	2	82,773.30		0.61644
KY_RS	04/30/2021	3	77,779.59		0.57925
KY_RS	04/30/2021	4	75,819.00		0.56465
KY_RS	04/30/2021	5	76,907.36		0.57276
KY_RS	04/30/2021	6	83,309.05		0.62043
KY_RS	04/30/2021	7	98,177.10		0.73116
KY_RS	04/30/2021	8	107,630.05		0.80156
KY_RS	04/30/2021	9	106,761.47		0.79509

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	04/30/2021	10	106,989.84		0.79679
KY_RS	04/30/2021	11	107,432.60		0.80009
KY_RS	04/30/2021	12	108,242.86		0.80613
KY_RS	04/30/2021	13	108,225.50		0.806
KY_RS	04/30/2021	14	108,850.17		0.81065
KY_RS	04/30/2021	15	110,174.06		0.82051
KY_RS	04/30/2021	16	113,529.60		0.8455
KY_RS	04/30/2021	17	121,324.22		0.90355
KY_RS	04/30/2021	18	128,836.76		0.9595
KY_RS	04/30/2021	19	129,975.76		0.96798
KY_RS	04/30/2021	20	127,480.32		0.94939
KY_RS	04/30/2021	21	127,106.64		0.94661
KY_RS	04/30/2021	22	127,930.24		0.95274
KY_RS	04/30/2021	23	120,237.99		0.89546
KY_RS	04/30/2021	24	108,296.67		0.80653
KY_RS	05/01/2021	1	96,571.19		0.7192
KY_RS	05/01/2021	2	89,357.41		0.66548
KY_RS	05/01/2021	3	85,859.98		0.63943
KY_RS	05/01/2021	4	85,600.01		0.6375
KY_RS	05/01/2021	5	87,485.18		0.65154
KY_RS	05/01/2021	6	91,809.53		0.68374
KY_RS	05/01/2021	7	101,735.40		0.75766
KY_RS	05/01/2021	8	117,504.16		0.8751
KY_RS	05/01/2021	9	127,229.89		0.94753
KY_RS	05/01/2021	10	130,581.20		0.97249
KY_RS	05/01/2021	11	129,546.92		0.96478
KY_RS	05/01/2021	12	127,124.43		0.94674
KY_RS	05/01/2021	13	123,016.95		0.91615
KY_RS	05/01/2021	14	119,688.94		0.89137
KY_RS	05/01/2021	15	117,254.83		0.87324
KY_RS	05/01/2021	16	117,794.77		0.87726
KY_RS	05/01/2021	17	120,060.28		0.89413
KY_RS	05/01/2021	18	124,051.24		0.92386
KY_RS	05/01/2021	19	125,212.12		0.9325
KY_RS	05/01/2021	20	125,112.98		0.93176
KY_RS	05/01/2021	21	126,859.50		0.94477
KY_RS	05/01/2021	22	128,430.56		0.95647
KY_RS	05/01/2021	23	120,357.68		0.89635
KY_RS	05/01/2021	24	107,317.37		0.79923
KY_RS	05/02/2021	1	94,872.76		0.70655
KY_RS	05/02/2021	2	85,241.63		0.63483
KY_RS	05/02/2021	3	78,843.09		0.58717
KY_RS	05/02/2021	4	75,267.50		0.56055
KY_RS	05/02/2021	5	73,921.01		0.55052
KY_RS	05/02/2021	6	74,940.81		0.55811
KY_RS	05/02/2021	7	78,777.86		0.58669
KY_RS	05/02/2021	8	88,345.93		0.65795

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	05/02/2021	9	102,064.77	0.76011
KY_RS	05/02/2021	10	115,081.83	0.85706
KY_RS	05/02/2021	11	125,400.43	0.9339
KY_RS	05/02/2021	12	133,062.48	0.99097
KY_RS	05/02/2021	13	140,365.30	1.04535
KY_RS	05/02/2021	14	144,024.71	1.07261
KY_RS	05/02/2021	15	147,484.54	1.09837
KY_RS	05/02/2021	16	149,441.32	1.11295
KY_RS	05/02/2021	17	153,759.91	1.14511
KY_RS	05/02/2021	18	160,383.50	1.19444
KY_RS	05/02/2021	19	164,640.89	1.22614
KY_RS	05/02/2021	20	165,494.08	1.2325
KY_RS	05/02/2021	21	164,732.69	1.22683
KY_RS	05/02/2021	22	156,314.20	1.16413
KY_RS	05/02/2021	23	135,942.48	1.01241
KY_RS	05/02/2021	24	112,342.38	0.83666
KY_RS	05/03/2021	1	95,150.90	0.70862
KY_RS	05/03/2021	2	84,905.47	0.63232
KY_RS	05/03/2021	3	78,718.90	0.58625
KY_RS	05/03/2021	4	76,057.02	0.56643
KY_RS	05/03/2021	5	76,427.34	0.56918
KY_RS	05/03/2021	6	82,323.67	0.6131
KY_RS	05/03/2021	7	96,569.81	0.71919
KY_RS	05/03/2021	8	105,220.57	0.78362
KY_RS	05/03/2021	9	104,849.89	0.78086
KY_RS	05/03/2021	10	106,408.94	0.79247
KY_RS	05/03/2021	11	109,798.53	0.81771
KY_RS	05/03/2021	12	114,060.66	0.84945
KY_RS	05/03/2021	13	119,990.87	0.89362
KY_RS	05/03/2021	14	122,487.05	0.91221
KY_RS	05/03/2021	15	127,812.07	0.95186
KY_RS	05/03/2021	16	135,346.83	1.00798
KY_RS	05/03/2021	17	150,565.46	1.12132
KY_RS	05/03/2021	18	164,796.70	1.2273
KY_RS	05/03/2021	19	172,649.46	1.28579
KY_RS	05/03/2021	20	172,763.25	1.28663
KY_RS	05/03/2021	21	172,783.64	1.28678
KY_RS	05/03/2021	22	169,202.61	1.26012
KY_RS	05/03/2021	23	150,343.10	1.11966
KY_RS	05/03/2021	24	125,518.43	0.93478
KY_RS	05/04/2021	1	105,720.34	0.78734
KY_RS	05/04/2021	2	93,175.60	0.69391
KY_RS	05/04/2021	3	86,302.83	0.64273
KY_RS	05/04/2021	4	81,930.11	0.61016
KY_RS	05/04/2021	5	81,282.79	0.60534
KY_RS	05/04/2021	6	86,810.54	0.64651
KY_RS	05/04/2021	7	100,559.09	0.7489

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	05/04/2021	8	109,003.58		0.81179
KY_RS	05/04/2021	9	108,679.87		0.80938
KY_RS	05/04/2021	10	111,220.84		0.8283
KY_RS	05/04/2021	11	113,443.18		0.84485
KY_RS	05/04/2021	12	116,709.91		0.86918
KY_RS	05/04/2021	13	121,540.09		0.90515
KY_RS	05/04/2021	14	122,124.82		0.90951
KY_RS	05/04/2021	15	124,295.26		0.92567
KY_RS	05/04/2021	16	133,033.23		0.99075
KY_RS	05/04/2021	17	147,720.06		1.10013
KY_RS	05/04/2021	18	158,599.10		1.18115
KY_RS	05/04/2021	19	162,959.12		1.21362
KY_RS	05/04/2021	20	160,958.09		1.19872
KY_RS	05/04/2021	21	158,238.14		1.17846
KY_RS	05/04/2021	22	149,986.63		1.11701
KY_RS	05/04/2021	23	130,932.85		0.97511
KY_RS	05/04/2021	24	109,693.16		0.81693
KY_RS	05/05/2021	1	93,767.86		0.69832
KY_RS	05/05/2021	2	84,022.10		0.62574
KY_RS	05/05/2021	3	78,122.60		0.58181
KY_RS	05/05/2021	4	75,717.62		0.5639
KY_RS	05/05/2021	5	76,341.39		0.56854
KY_RS	05/05/2021	6	82,945.57		0.61773
KY_RS	05/05/2021	7	97,448.53		0.72574
KY_RS	05/05/2021	8	106,688.50		0.79455
KY_RS	05/05/2021	9	106,620.14		0.79404
KY_RS	05/05/2021	10	107,529.17		0.80081
KY_RS	05/05/2021	11	109,558.93		0.81593
KY_RS	05/05/2021	12	109,180.61		0.81311
KY_RS	05/05/2021	13	109,148.29		0.81287
KY_RS	05/05/2021	14	106,779.72		0.79523
KY_RS	05/05/2021	15	106,095.27		0.79013
KY_RS	05/05/2021	16	108,865.87		0.81077
KY_RS	05/05/2021	17	116,529.95		0.86784
KY_RS	05/05/2021	18	127,769.35		0.95155
KY_RS	05/05/2021	19	133,274.74		0.99255
KY_RS	05/05/2021	20	135,412.56		1.00847
KY_RS	05/05/2021	21	138,429.25		1.03093
KY_RS	05/05/2021	22	139,265.56		1.03716
KY_RS	05/05/2021	23	125,405.02		0.93394
KY_RS	05/05/2021	24	106,958.21		0.79656
KY_RS	05/06/2021	1	93,365.22		0.69533
KY_RS	05/06/2021	2	86,517.78		0.64433
KY_RS	05/06/2021	3	83,542.93		0.62218
KY_RS	05/06/2021	4	83,724.28		0.62353
KY_RS	05/06/2021	5	87,165.74		0.64916
KY_RS	05/06/2021	6	97,228.42		0.7241

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	05/06/2021	7	116,574.05		0.86817
KY_RS	05/06/2021	8	125,944.44		0.93796
KY_RS	05/06/2021	9	119,708.13		0.89151
KY_RS	05/06/2021	10	114,013.57		0.8491
KY_RS	05/06/2021	11	109,892.86		0.81841
KY_RS	05/06/2021	12	107,157.12		0.79804
KY_RS	05/06/2021	13	105,637.55		0.78672
KY_RS	05/06/2021	14	103,487.48		0.77071
KY_RS	05/06/2021	15	101,651.85		0.75704
KY_RS	05/06/2021	16	105,656.35		0.78686
KY_RS	05/06/2021	17	114,129.72		0.84997
KY_RS	05/06/2021	18	125,094.17		0.93162
KY_RS	05/06/2021	19	130,435.16		0.9714
KY_RS	05/06/2021	20	136,560.18		1.01701
KY_RS	05/06/2021	21	142,156.57		1.05869
KY_RS	05/06/2021	22	137,373.19		1.02307
KY_RS	05/06/2021	23	122,887.40		0.91519
KY_RS	05/06/2021	24	105,078.21		0.78256
KY_RS	05/07/2021	1	92,814.77		0.69123
KY_RS	05/07/2021	2	86,086.53		0.64112
KY_RS	05/07/2021	3	82,807.90		0.6167
KY_RS	05/07/2021	4	82,457.90		0.6141
KY_RS	05/07/2021	5	85,562.53		0.63722
KY_RS	05/07/2021	6	94,386.35		0.70293
KY_RS	05/07/2021	7	112,286.89		0.83624
KY_RS	05/07/2021	8	122,067.68		0.90908
KY_RS	05/07/2021	9	119,022.79		0.88641
KY_RS	05/07/2021	10	116,086.43		0.86454
KY_RS	05/07/2021	11	112,390.72		0.83702
KY_RS	05/07/2021	12	110,101.27		0.81997
KY_RS	05/07/2021	13	108,629.42		0.809
KY_RS	05/07/2021	14	106,250.16		0.79128
KY_RS	05/07/2021	15	104,846.24		0.78083
KY_RS	05/07/2021	16	107,561.35		0.80105
KY_RS	05/07/2021	17	114,255.25		0.8509
KY_RS	05/07/2021	18	119,816.48		0.89232
KY_RS	05/07/2021	19	125,317.63		0.93329
KY_RS	05/07/2021	20	129,685.67		0.96582
KY_RS	05/07/2021	21	130,996.45		0.97558
KY_RS	05/07/2021	22	129,573.84		0.96499
KY_RS	05/07/2021	23	121,892.69		0.90778
KY_RS	05/07/2021	24	110,941.39		0.82622
KY_RS	05/08/2021	1	99,816.99		0.74337
KY_RS	05/08/2021	2	93,314.60		0.69495
KY_RS	05/08/2021	3	90,945.71		0.67731
KY_RS	05/08/2021	4	91,365.98		0.68044
KY_RS	05/08/2021	5	93,551.44		0.69671

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	05/08/2021	6	99,129.95	0.73826
KY_RS	05/08/2021	7	109,474.18	0.8153
KY_RS	05/08/2021	8	123,004.38	0.91606
KY_RS	05/08/2021	9	132,036.98	0.98333
KY_RS	05/08/2021	10	135,668.53	1.01037
KY_RS	05/08/2021	11	135,490.23	1.00905
KY_RS	05/08/2021	12	132,969.11	0.99027
KY_RS	05/08/2021	13	128,343.51	0.95582
KY_RS	05/08/2021	14	122,968.18	0.91579
KY_RS	05/08/2021	15	118,846.04	0.88509
KY_RS	05/08/2021	16	116,684.09	0.86899
KY_RS	05/08/2021	17	117,341.23	0.87388
KY_RS	05/08/2021	18	120,570.43	0.89793
KY_RS	05/08/2021	19	122,003.68	0.90861
KY_RS	05/08/2021	20	122,975.71	0.91585
KY_RS	05/08/2021	21	128,406.87	0.95629
KY_RS	05/08/2021	22	128,848.48	0.95958
KY_RS	05/08/2021	23	121,179.54	0.90247
KY_RS	05/08/2021	24	108,954.90	0.81143
KY_RS	05/09/2021	1	97,097.20	0.72312
KY_RS	05/09/2021	2	89,201.44	0.66432
KY_RS	05/09/2021	3	85,376.49	0.63583
KY_RS	05/09/2021	4	83,639.05	0.62289
KY_RS	05/09/2021	5	84,293.78	0.62777
KY_RS	05/09/2021	6	87,332.65	0.6504
KY_RS	05/09/2021	7	93,336.19	0.69511
KY_RS	05/09/2021	8	105,124.95	0.78291
KY_RS	05/09/2021	9	120,975.04	0.90095
KY_RS	05/09/2021	10	135,391.66	1.00831
KY_RS	05/09/2021	11	145,871.09	1.08636
KY_RS	05/09/2021	12	150,976.28	1.12438
KY_RS	05/09/2021	13	151,030.18	1.12478
KY_RS	05/09/2021	14	143,261.61	1.06692
KY_RS	05/09/2021	15	138,793.21	1.03365
KY_RS	05/09/2021	16	136,690.33	1.01798
KY_RS	05/09/2021	17	139,085.66	1.03582
KY_RS	05/09/2021	18	144,630.38	1.07712
KY_RS	05/09/2021	19	147,090.01	1.09543
KY_RS	05/09/2021	20	153,306.99	1.14173
KY_RS	05/09/2021	21	159,025.82	1.18433
KY_RS	05/09/2021	22	156,417.73	1.1649
KY_RS	05/09/2021	23	140,513.95	1.04646
KY_RS	05/09/2021	24	122,883.86	0.91516
KY_RS	05/10/2021	1	110,641.87	0.82399
KY_RS	05/10/2021	2	103,204.00	0.7686
KY_RS	05/10/2021	3	100,482.71	0.74833
KY_RS	05/10/2021	4	101,085.54	0.75282

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	05/10/2021	5	106,180.41		0.79077
KY_RS	05/10/2021	6	117,872.00		0.87784
KY_RS	05/10/2021	7	137,136.57		1.02131
KY_RS	05/10/2021	8	144,496.26		1.07612
KY_RS	05/10/2021	9	136,785.56		1.01869
KY_RS	05/10/2021	10	129,967.87		0.96792
KY_RS	05/10/2021	11	124,079.61		0.92407
KY_RS	05/10/2021	12	120,049.50		0.89405
KY_RS	05/10/2021	13	117,877.91		0.87788
KY_RS	05/10/2021	14	113,057.24		0.84198
KY_RS	05/10/2021	15	109,844.32		0.81805
KY_RS	05/10/2021	16	111,484.42		0.83027
KY_RS	05/10/2021	17	118,896.93		0.88547
KY_RS	05/10/2021	18	130,318.54		0.97053
KY_RS	05/10/2021	19	136,843.44		1.01912
KY_RS	05/10/2021	20	141,092.60		1.05077
KY_RS	05/10/2021	21	145,791.56		1.08576
KY_RS	05/10/2021	22	143,122.49		1.06589
KY_RS	05/10/2021	23	126,549.06		0.94246
KY_RS	05/10/2021	24	107,599.76		0.80134
KY_RS	05/11/2021	1	94,591.51		0.70446
KY_RS	05/11/2021	2	88,417.15		0.65848
KY_RS	05/11/2021	3	86,595.06		0.64491
KY_RS	05/11/2021	4	87,255.91		0.64983
KY_RS	05/11/2021	5	90,830.89		0.67645
KY_RS	05/11/2021	6	101,315.56		0.75454
KY_RS	05/11/2021	7	120,546.24		0.89775
KY_RS	05/11/2021	8	127,153.38		0.94696
KY_RS	05/11/2021	9	118,893.58		0.88545
KY_RS	05/11/2021	10	113,850.13		0.84788
KY_RS	05/11/2021	11	110,692.26		0.82437
KY_RS	05/11/2021	12	110,984.66		0.82654
KY_RS	05/11/2021	13	110,264.52		0.82118
KY_RS	05/11/2021	14	106,898.03		0.79611
KY_RS	05/11/2021	15	105,083.51		0.7826
KY_RS	05/11/2021	16	107,299.69		0.7991
KY_RS	05/11/2021	17	115,915.14		0.86326
KY_RS	05/11/2021	18	126,875.08		0.94489
KY_RS	05/11/2021	19	132,711.37		0.98835
KY_RS	05/11/2021	20	138,018.09		1.02787
KY_RS	05/11/2021	21	143,696.94		1.07017
KY_RS	05/11/2021	22	142,712.82		1.06284
KY_RS	05/11/2021	23	128,407.80		0.9563
KY_RS	05/11/2021	24	110,140.08		0.82025
KY_RS	05/12/2021	1	97,901.26		0.72911
KY_RS	05/12/2021	2	92,058.46		0.68559
KY_RS	05/12/2021	3	89,410.14		0.66587

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	05/12/2021	4	89,673.87	0.66784
KY_RS	05/12/2021	5	93,457.81	0.69602
KY_RS	05/12/2021	6	104,117.98	0.77541
KY_RS	05/12/2021	7	123,625.44	0.92069
KY_RS	05/12/2021	8	130,527.84	0.97209
KY_RS	05/12/2021	9	122,783.25	0.91441
KY_RS	05/12/2021	10	116,712.13	0.8692
KY_RS	05/12/2021	11	113,280.55	0.84364
KY_RS	05/12/2021	12	110,571.02	0.82346
KY_RS	05/12/2021	13	109,013.41	0.81186
KY_RS	05/12/2021	14	105,819.35	0.78808
KY_RS	05/12/2021	15	104,269.39	0.77653
KY_RS	05/12/2021	16	106,635.72	0.79416
KY_RS	05/12/2021	17	115,183.32	0.85781
KY_RS	05/12/2021	18	125,627.42	0.93559
KY_RS	05/12/2021	19	131,093.93	0.97631
KY_RS	05/12/2021	20	134,332.12	1.00042
KY_RS	05/12/2021	21	138,778.22	1.03353
KY_RS	05/12/2021	22	140,543.30	1.04668
KY_RS	05/12/2021	23	126,458.25	0.94178
KY_RS	05/12/2021	24	107,743.60	0.80241
KY_RS	05/13/2021	1	94,810.46	0.70609
KY_RS	05/13/2021	2	88,609.49	0.65991
KY_RS	05/13/2021	3	87,032.01	0.64816
KY_RS	05/13/2021	4	88,027.23	0.65557
KY_RS	05/13/2021	5	92,523.22	0.68906
KY_RS	05/13/2021	6	103,606.43	0.7716
KY_RS	05/13/2021	7	123,697.38	0.92122
KY_RS	05/13/2021	8	130,400.98	0.97115
KY_RS	05/13/2021	9	121,186.68	0.90252
KY_RS	05/13/2021	10	114,601.95	0.85348
KY_RS	05/13/2021	11	109,549.51	0.81586
KY_RS	05/13/2021	12	107,277.17	0.79893
KY_RS	05/13/2021	13	106,172.91	0.79071
KY_RS	05/13/2021	14	103,707.93	0.77235
KY_RS	05/13/2021	15	102,701.65	0.76486
KY_RS	05/13/2021	16	106,102.66	0.79019
KY_RS	05/13/2021	17	114,809.10	0.85503
KY_RS	05/13/2021	18	125,576.74	0.93522
KY_RS	05/13/2021	19	131,731.14	0.98105
KY_RS	05/13/2021	20	134,644.59	1.00275
KY_RS	05/13/2021	21	138,416.14	1.03084
KY_RS	05/13/2021	22	139,631.24	1.03989
KY_RS	05/13/2021	23	125,220.65	0.93257
KY_RS	05/13/2021	24	106,352.94	0.79205
KY_RS	05/14/2021	1	92,016.66	0.68528
KY_RS	05/14/2021	2	84,912.38	0.63237

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	05/14/2021	3	82,150.44		0.61181
KY_RS	05/14/2021	4	82,413.73		0.61377
KY_RS	05/14/2021	5	86,340.54		0.64301
KY_RS	05/14/2021	6	96,455.03		0.71834
KY_RS	05/14/2021	7	115,337.99		0.85897
KY_RS	05/14/2021	8	123,210.83		0.9176
KY_RS	05/14/2021	9	116,515.42		0.86773
KY_RS	05/14/2021	10	111,874.79		0.83317
KY_RS	05/14/2021	11	108,837.23		0.81055
KY_RS	05/14/2021	12	107,161.69		0.79807
KY_RS	05/14/2021	13	106,613.08		0.79399
KY_RS	05/14/2021	14	105,710.31		0.78726
KY_RS	05/14/2021	15	106,493.82		0.7931
KY_RS	05/14/2021	16	111,591.84		0.83107
KY_RS	05/14/2021	17	119,097.68		0.88697
KY_RS	05/14/2021	18	126,689.35		0.9435
KY_RS	05/14/2021	19	129,271.49		0.96273
KY_RS	05/14/2021	20	127,923.87		0.9527
KY_RS	05/14/2021	21	127,720.73		0.95118
KY_RS	05/14/2021	22	129,586.59		0.96508
KY_RS	05/14/2021	23	121,505.68		0.9049
KY_RS	05/14/2021	24	107,539.88		0.80089
KY_RS	05/15/2021	1	94,395.33		0.703
KY_RS	05/15/2021	2	85,596.42		0.63747
KY_RS	05/15/2021	3	80,673.07		0.6008
KY_RS	05/15/2021	4	79,228.17		0.59004
KY_RS	05/15/2021	5	80,049.39		0.59616
KY_RS	05/15/2021	6	84,237.53		0.62735
KY_RS	05/15/2021	7	92,650.97		0.69001
KY_RS	05/15/2021	8	104,969.30		0.78175
KY_RS	05/15/2021	9	114,482.61		0.8526
KY_RS	05/15/2021	10	118,525.21		0.8827
KY_RS	05/15/2021	11	120,348.37		0.89628
KY_RS	05/15/2021	12	120,444.15		0.89699
KY_RS	05/15/2021	13	120,623.83		0.89833
KY_RS	05/15/2021	14	120,732.41		0.89914
KY_RS	05/15/2021	15	121,979.01		0.90842
KY_RS	05/15/2021	16	125,449.52		0.93427
KY_RS	05/15/2021	17	131,345.55		0.97818
KY_RS	05/15/2021	18	136,362.64		1.01554
KY_RS	05/15/2021	19	135,165.54		1.00663
KY_RS	05/15/2021	20	133,834.25		0.99671
KY_RS	05/15/2021	21	133,831.77		0.9967
KY_RS	05/15/2021	22	133,516.91		0.99435
KY_RS	05/15/2021	23	124,720.86		0.92884
KY_RS	05/15/2021	24	111,570.85		0.83091
KY_RS	05/16/2021	1	97,622.87		0.72703

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	05/16/2021	2	87,225.74	0.6496
KY_RS	05/16/2021	3	80,374.89	0.59858
KY_RS	05/16/2021	4	76,228.15	0.5677
KY_RS	05/16/2021	5	74,571.21	0.55536
KY_RS	05/16/2021	6	74,806.53	0.55711
KY_RS	05/16/2021	7	78,429.72	0.5841
KY_RS	05/16/2021	8	87,913.55	0.65473
KY_RS	05/16/2021	9	102,349.61	0.76224
KY_RS	05/16/2021	10	115,168.84	0.85771
KY_RS	05/16/2021	11	123,794.42	0.92194
KY_RS	05/16/2021	12	129,578.23	0.96502
KY_RS	05/16/2021	13	134,374.10	1.00073
KY_RS	05/16/2021	14	136,941.32	1.01985
KY_RS	05/16/2021	15	139,072.80	1.03573
KY_RS	05/16/2021	16	141,765.91	1.05578
KY_RS	05/16/2021	17	147,777.11	1.10055
KY_RS	05/16/2021	18	154,663.98	1.15184
KY_RS	05/16/2021	19	157,720.96	1.17461
KY_RS	05/16/2021	20	159,996.49	1.19155
KY_RS	05/16/2021	21	161,268.42	1.20103
KY_RS	05/16/2021	22	157,907.20	1.17599
KY_RS	05/16/2021	23	139,505.06	1.03895
KY_RS	05/16/2021	24	115,883.44	0.86303
KY_RS	05/17/2021	1	96,973.98	0.7222
KY_RS	05/17/2021	2	85,696.02	0.63821
KY_RS	05/17/2021	3	79,473.74	0.59187
KY_RS	05/17/2021	4	76,618.56	0.57061
KY_RS	05/17/2021	5	76,724.88	0.5714
KY_RS	05/17/2021	6	83,017.50	0.61826
KY_RS	05/17/2021	7	97,028.53	0.72261
KY_RS	05/17/2021	8	105,925.68	0.78887
KY_RS	05/17/2021	9	106,270.58	0.79144
KY_RS	05/17/2021	10	108,765.58	0.81002
KY_RS	05/17/2021	11	112,562.95	0.8383
KY_RS	05/17/2021	12	116,088.30	0.86455
KY_RS	05/17/2021	13	118,032.46	0.87903
KY_RS	05/17/2021	14	115,634.18	0.86117
KY_RS	05/17/2021	15	114,699.49	0.85421
KY_RS	05/17/2021	16	119,212.67	0.88782
KY_RS	05/17/2021	17	128,774.83	0.95903
KY_RS	05/17/2021	18	142,372.70	1.0603
KY_RS	05/17/2021	19	149,136.81	1.11068
KY_RS	05/17/2021	20	149,443.36	1.11296
KY_RS	05/17/2021	21	150,353.82	1.11974
KY_RS	05/17/2021	22	147,549.99	1.09886
KY_RS	05/17/2021	23	131,624.00	0.98025
KY_RS	05/17/2021	24	110,468.48	0.8227

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	05/18/2021	1	94,180.27	0.7014
KY_RS	05/18/2021	2	84,193.22	0.62702
KY_RS	05/18/2021	3	78,974.50	0.58815
KY_RS	05/18/2021	4	76,278.58	0.56808
KY_RS	05/18/2021	5	76,594.95	0.57043
KY_RS	05/18/2021	6	82,822.34	0.61681
KY_RS	05/18/2021	7	97,400.88	0.72538
KY_RS	05/18/2021	8	105,340.54	0.78451
KY_RS	05/18/2021	9	103,999.80	0.77453
KY_RS	05/18/2021	10	104,949.68	0.7816
KY_RS	05/18/2021	11	106,693.25	0.79458
KY_RS	05/18/2021	12	109,568.60	0.816
KY_RS	05/18/2021	13	113,889.83	0.84818
KY_RS	05/18/2021	14	118,692.37	0.88395
KY_RS	05/18/2021	15	125,131.29	0.9319
KY_RS	05/18/2021	16	136,507.59	1.01662
KY_RS	05/18/2021	17	153,143.00	1.14051
KY_RS	05/18/2021	18	171,524.52	1.27741
KY_RS	05/18/2021	19	180,977.49	1.34781
KY_RS	05/18/2021	20	181,560.13	1.35215
KY_RS	05/18/2021	21	180,119.87	1.34142
KY_RS	05/18/2021	22	177,691.64	1.32334
KY_RS	05/18/2021	23	159,437.52	1.18739
KY_RS	05/18/2021	24	133,468.18	0.99399
KY_RS	05/19/2021	1	111,754.00	0.83227
KY_RS	05/19/2021	2	97,873.64	0.7289
KY_RS	05/19/2021	3	89,134.35	0.66382
KY_RS	05/19/2021	4	83,978.34	0.62542
KY_RS	05/19/2021	5	82,399.24	0.61366
KY_RS	05/19/2021	6	87,150.60	0.64904
KY_RS	05/19/2021	7	100,605.29	0.74925
KY_RS	05/19/2021	8	109,610.71	0.81631
KY_RS	05/19/2021	9	112,644.71	0.83891
KY_RS	05/19/2021	10	119,706.83	0.8915
KY_RS	05/19/2021	11	127,578.03	0.95012
KY_RS	05/19/2021	12	138,850.47	1.03407
KY_RS	05/19/2021	13	150,704.91	1.12236
KY_RS	05/19/2021	14	156,737.32	1.16728
KY_RS	05/19/2021	15	162,071.69	1.20701
KY_RS	05/19/2021	16	175,598.61	1.30775
KY_RS	05/19/2021	17	192,423.40	1.43305
KY_RS	05/19/2021	18	212,545.47	1.58291
KY_RS	05/19/2021	19	223,871.74	1.66726
KY_RS	05/19/2021	20	222,672.14	1.65832
KY_RS	05/19/2021	21	218,231.61	1.62525
KY_RS	05/19/2021	22	212,651.11	1.58369
KY_RS	05/19/2021	23	191,538.53	1.42646

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	05/19/2021	24	161,353.04		1.20166
KY_RS	05/20/2021	1	135,630.06		1.01009
KY_RS	05/20/2021	2	117,862.40		0.87777
KY_RS	05/20/2021	3	105,616.59		0.78657
KY_RS	05/20/2021	4	97,937.25		0.72938
KY_RS	05/20/2021	5	94,371.74		0.70282
KY_RS	05/20/2021	6	97,326.74		0.72483
KY_RS	05/20/2021	7	109,231.60		0.81349
KY_RS	05/20/2021	8	117,412.73		0.87442
KY_RS	05/20/2021	9	124,848.60		0.92979
KY_RS	05/20/2021	10	136,519.94		1.01672
KY_RS	05/20/2021	11	150,655.02		1.12198
KY_RS	05/20/2021	12	164,600.35		1.22584
KY_RS	05/20/2021	13	178,847.74		1.33195
KY_RS	05/20/2021	14	191,189.82		1.42386
KY_RS	05/20/2021	15	204,256.46		1.52117
KY_RS	05/20/2021	16	220,786.34		1.64428
KY_RS	05/20/2021	17	240,554.55		1.7915
KY_RS	05/20/2021	18	255,450.83		1.90244
KY_RS	05/20/2021	19	260,912.59		1.94311
KY_RS	05/20/2021	20	257,349.77		1.91658
KY_RS	05/20/2021	21	245,307.62		1.8269
KY_RS	05/20/2021	22	235,463.08		1.75358
KY_RS	05/20/2021	23	210,518.69		1.56781
KY_RS	05/20/2021	24	177,628.46		1.32287
KY_RS	05/21/2021	1	149,017.05		1.10979
KY_RS	05/21/2021	2	128,410.00		0.95632
KY_RS	05/21/2021	3	114,410.19		0.85206
KY_RS	05/21/2021	4	105,132.17		0.78296
KY_RS	05/21/2021	5	100,588.97		0.74912
KY_RS	05/21/2021	6	102,320.82		0.76202
KY_RS	05/21/2021	7	112,815.50		0.84018
KY_RS	05/21/2021	8	122,543.02		0.91262
KY_RS	05/21/2021	9	131,431.35		0.97882
KY_RS	05/21/2021	10	145,586.46		1.08424
KY_RS	05/21/2021	11	161,255.88		1.20093
KY_RS	05/21/2021	12	173,921.19		1.29526
KY_RS	05/21/2021	13	187,056.19		1.39308
KY_RS	05/21/2021	14	199,741.53		1.48755
KY_RS	05/21/2021	15	214,995.27		1.60115
KY_RS	05/21/2021	16	231,963.43		1.72752
KY_RS	05/21/2021	17	247,057.77		1.83993
KY_RS	05/21/2021	18	254,945.76		1.89868
KY_RS	05/21/2021	19	251,848.84		1.87561
KY_RS	05/21/2021	20	246,853.50		1.83841
KY_RS	05/21/2021	21	232,636.91		1.73253
KY_RS	05/21/2021	22	220,961.96		1.64559

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	05/21/2021	23	203,625.69		1.51648
KY_RS	05/21/2021	24	177,745.51		1.32374
KY_RS	05/22/2021	1	152,442.43		1.1353
KY_RS	05/22/2021	2	131,127.49		0.97656
KY_RS	05/22/2021	3	116,011.59		0.86398
KY_RS	05/22/2021	4	105,837.68		0.78821
KY_RS	05/22/2021	5	98,933.95		0.7368
KY_RS	05/22/2021	6	95,676.96		0.71254
KY_RS	05/22/2021	7	96,826.23		0.7211
KY_RS	05/22/2021	8	109,353.42		0.8144
KY_RS	05/22/2021	9	132,804.10		0.98904
KY_RS	05/22/2021	10	155,495.11		1.15803
KY_RS	05/22/2021	11	178,442.18		1.32893
KY_RS	05/22/2021	12	193,112.61		1.43818
KY_RS	05/22/2021	13	213,396.86		1.58925
KY_RS	05/22/2021	14	229,727.62		1.71087
KY_RS	05/22/2021	15	239,603.00		1.78441
KY_RS	05/22/2021	16	245,337.68		1.82712
KY_RS	05/22/2021	17	253,838.82		1.89043
KY_RS	05/22/2021	18	258,911.39		1.92821
KY_RS	05/22/2021	19	264,788.58		1.97198
KY_RS	05/22/2021	20	257,574.44		1.91825
KY_RS	05/22/2021	21	240,243.45		1.78918
KY_RS	05/22/2021	22	225,387.42		1.67854
KY_RS	05/22/2021	23	205,570.94		1.53096
KY_RS	05/22/2021	24	179,870.98		1.33957
KY_RS	05/23/2021	1	154,532.77		1.15086
KY_RS	05/23/2021	2	133,900.38		0.99721
KY_RS	05/23/2021	3	118,882.70		0.88536
KY_RS	05/23/2021	4	108,339.91		0.80685
KY_RS	05/23/2021	5	101,140.25		0.75323
KY_RS	05/23/2021	6	97,314.18		0.72474
KY_RS	05/23/2021	7	97,736.38		0.72788
KY_RS	05/23/2021	8	110,135.12		0.82022
KY_RS	05/23/2021	9	136,075.87		1.01341
KY_RS	05/23/2021	10	165,355.69		1.23147
KY_RS	05/23/2021	11	192,843.31		1.43618
KY_RS	05/23/2021	12	215,019.49		1.60133
KY_RS	05/23/2021	13	233,529.91		1.73919
KY_RS	05/23/2021	14	247,127.41		1.84045
KY_RS	05/23/2021	15	258,687.83		1.92655
KY_RS	05/23/2021	16	266,582.01		1.98534
KY_RS	05/23/2021	17	270,866.28		2.01724
KY_RS	05/23/2021	18	279,477.76		2.08138
KY_RS	05/23/2021	19	276,920.35		2.06233
KY_RS	05/23/2021	20	276,410.16		2.05853
KY_RS	05/23/2021	21	269,951.43		2.01043

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	05/23/2021	22	259,862.46		1.93529
KY_RS	05/23/2021	23	235,654.96		1.75501
KY_RS	05/23/2021	24	202,303.60		1.50663
KY_RS	05/24/2021	1	173,746.31		1.29395
KY_RS	05/24/2021	2	152,400.42		1.13498
KY_RS	05/24/2021	3	136,206.89		1.01438
KY_RS	05/24/2021	4	124,885.26		0.93007
KY_RS	05/24/2021	5	118,120.29		0.87969
KY_RS	05/24/2021	6	118,646.55		0.88361
KY_RS	05/24/2021	7	128,473.35		0.95679
KY_RS	05/24/2021	8	138,080.14		1.02833
KY_RS	05/24/2021	9	139,562.89		1.03938
KY_RS	05/24/2021	10	151,592.62		1.12897
KY_RS	05/24/2021	11	180,379.69		1.34336
KY_RS	05/24/2021	12	204,380.72		1.5221
KY_RS	05/24/2021	13	226,906.44		1.68986
KY_RS	05/24/2021	14	238,435.03		1.77572
KY_RS	05/24/2021	15	250,243.15		1.86365
KY_RS	05/24/2021	16	268,736.28		2.00138
KY_RS	05/24/2021	17	291,122.16		2.1681
KY_RS	05/24/2021	18	311,441.41		2.31942
KY_RS	05/24/2021	19	317,323.25		2.36323
KY_RS	05/24/2021	20	303,360.35		2.25924
KY_RS	05/24/2021	21	289,129.91		2.15326
KY_RS	05/24/2021	22	275,096.99		2.04875
KY_RS	05/24/2021	23	247,200.85		1.841
KY_RS	05/24/2021	24	209,373.65		1.55928
KY_RS	05/25/2021	1	177,470.99		1.32169
KY_RS	05/25/2021	2	154,635.05		1.15163
KY_RS	05/25/2021	3	138,001.44		1.02775
KY_RS	05/25/2021	4	126,339.46		0.9409
KY_RS	05/25/2021	5	119,266.06		0.88822
KY_RS	05/25/2021	6	119,004.93		0.88627
KY_RS	05/25/2021	7	128,523.02		0.95716
KY_RS	05/25/2021	8	139,756.45		1.04082
KY_RS	05/25/2021	9	150,264.89		1.11908
KY_RS	05/25/2021	10	165,289.33		1.23097
KY_RS	05/25/2021	11	188,794.31		1.40602
KY_RS	05/25/2021	12	211,109.12		1.57221
KY_RS	05/25/2021	13	229,526.38		1.70937
KY_RS	05/25/2021	14	244,485.65		1.82078
KY_RS	05/25/2021	15	257,477.25		1.91753
KY_RS	05/25/2021	16	274,530.54		2.04453
KY_RS	05/25/2021	17	289,855.97		2.15867
KY_RS	05/25/2021	18	297,333.81		2.21436
KY_RS	05/25/2021	19	303,510.96		2.26036
KY_RS	05/25/2021	20	297,935.18		2.21884

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	05/25/2021	21	284,447.42		2.11839
KY_RS	05/25/2021	22	271,708.03		2.02351
KY_RS	05/25/2021	23	246,179.81		1.83339
KY_RS	05/25/2021	24	211,208.32		1.57295
KY_RS	05/26/2021	1	181,622.78		1.35261
KY_RS	05/26/2021	2	159,723.33		1.18952
KY_RS	05/26/2021	3	144,723.57		1.07781
KY_RS	05/26/2021	4	135,040.34		1.0057
KY_RS	05/26/2021	5	129,576.43		0.965
KY_RS	05/26/2021	6	130,361.41		0.97085
KY_RS	05/26/2021	7	139,716.04		1.04052
KY_RS	05/26/2021	8	149,452.53		1.11303
KY_RS	05/26/2021	9	156,566.20		1.16601
KY_RS	05/26/2021	10	173,711.16		1.29369
KY_RS	05/26/2021	11	193,313.37		1.43968
KY_RS	05/26/2021	12	197,967.73		1.47434
KY_RS	05/26/2021	13	182,688.06		1.36055
KY_RS	05/26/2021	14	169,498.06		1.26232
KY_RS	05/26/2021	15	167,163.92		1.24493
KY_RS	05/26/2021	16	169,449.18		1.26195
KY_RS	05/26/2021	17	178,456.97		1.32904
KY_RS	05/26/2021	18	194,644.49		1.44959
KY_RS	05/26/2021	19	202,861.58		1.51079
KY_RS	05/26/2021	20	202,441.78		1.50766
KY_RS	05/26/2021	21	198,437.70		1.47784
KY_RS	05/26/2021	22	194,401.69		1.44778
KY_RS	05/26/2021	23	177,975.89		1.32545
KY_RS	05/26/2021	24	152,181.78		1.13335
KY_RS	05/27/2021	1	128,679.73		0.95833
KY_RS	05/27/2021	2	114,197.14		0.85047
KY_RS	05/27/2021	3	105,822.20		0.7881
KY_RS	05/27/2021	4	99,162.03		0.7385
KY_RS	05/27/2021	5	96,385.63		0.71782
KY_RS	05/27/2021	6	99,758.67		0.74294
KY_RS	05/27/2021	7	111,956.37		0.83378
KY_RS	05/27/2021	8	120,440.73		0.89697
KY_RS	05/27/2021	9	121,875.94		0.90766
KY_RS	05/27/2021	10	126,677.84		0.94342
KY_RS	05/27/2021	11	140,490.07		1.04628
KY_RS	05/27/2021	12	155,552.16		1.15846
KY_RS	05/27/2021	13	169,314.24		1.26095
KY_RS	05/27/2021	14	181,656.59		1.35286
KY_RS	05/27/2021	15	198,371.92		1.47735
KY_RS	05/27/2021	16	216,947.82		1.61569
KY_RS	05/27/2021	17	237,614.07		1.7696
KY_RS	05/27/2021	18	251,326.25		1.87172
KY_RS	05/27/2021	19	248,659.24		1.85186

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	05/27/2021	20	239,478.51		1.78349
KY_RS	05/27/2021	21	228,973.58		1.70525
KY_RS	05/27/2021	22	210,980.64		1.57125
KY_RS	05/27/2021	23	202,267.66		1.50636
KY_RS	05/27/2021	24	174,699.27		1.30105
KY_RS	05/28/2021	1	147,809.62		1.10079
KY_RS	05/28/2021	2	128,449.99		0.95662
KY_RS	05/28/2021	3	117,089.80		0.87201
KY_RS	05/28/2021	4	110,472.46		0.82273
KY_RS	05/28/2021	5	106,369.42		0.79217
KY_RS	05/28/2021	6	107,521.39		0.80075
KY_RS	05/28/2021	7	116,757.81		0.86954
KY_RS	05/28/2021	8	124,514.74		0.92731
KY_RS	05/28/2021	9	128,036.43		0.95354
KY_RS	05/28/2021	10	133,852.36		0.99685
KY_RS	05/28/2021	11	140,364.24		1.04535
KY_RS	05/28/2021	12	143,208.11		1.06652
KY_RS	05/28/2021	13	145,184.33		1.08124
KY_RS	05/28/2021	14	144,415.52		1.07552
KY_RS	05/28/2021	15	147,371.57		1.09753
KY_RS	05/28/2021	16	158,630.43		1.18138
KY_RS	05/28/2021	17	158,505.14		1.18045
KY_RS	05/28/2021	18	156,273.77		1.16383
KY_RS	05/28/2021	19	150,503.51		1.12086
KY_RS	05/28/2021	20	140,157.74		1.04381
KY_RS	05/28/2021	21	132,527.19		0.98698
KY_RS	05/28/2021	22	129,928.45		0.96763
KY_RS	05/28/2021	23	122,205.58		0.91011
KY_RS	05/28/2021	24	108,565.30		0.80853
KY_RS	05/29/2021	1	95,785.79		0.71335
KY_RS	05/29/2021	2	86,479.46		0.64405
KY_RS	05/29/2021	3	80,730.72		0.60123
KY_RS	05/29/2021	4	77,876.02		0.57997
KY_RS	05/29/2021	5	76,871.98		0.57249
KY_RS	05/29/2021	6	78,167.22		0.58214
KY_RS	05/29/2021	7	83,153.84		0.61928
KY_RS	05/29/2021	8	93,596.17		0.69705
KY_RS	05/29/2021	9	108,115.13		0.80517
KY_RS	05/29/2021	10	120,024.72		0.89387
KY_RS	05/29/2021	11	128,457.48		0.95667
KY_RS	05/29/2021	12	132,539.15		0.98707
KY_RS	05/29/2021	13	133,501.33		0.99423
KY_RS	05/29/2021	14	131,905.18		0.98235
KY_RS	05/29/2021	15	130,428.69		0.97135
KY_RS	05/29/2021	16	128,001.68		0.95328
KY_RS	05/29/2021	17	127,246.94		0.94766
KY_RS	05/29/2021	18	129,467.47		0.96419

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	05/29/2021	19	130,210.06		0.96972
KY_RS	05/29/2021	20	129,297.54		0.96293
KY_RS	05/29/2021	21	129,992.27		0.9681
KY_RS	05/29/2021	22	128,595.63		0.9577
KY_RS	05/29/2021	23	121,257.84		0.90305
KY_RS	05/29/2021	24	111,011.49		0.82674
KY_RS	05/30/2021	1	100,627.46		0.74941
KY_RS	05/30/2021	2	93,667.60		0.69758
KY_RS	05/30/2021	3	89,566.03		0.66703
KY_RS	05/30/2021	4	87,765.72		0.65362
KY_RS	05/30/2021	5	87,868.73		0.65439
KY_RS	05/30/2021	6	90,047.62		0.67062
KY_RS	05/30/2021	7	96,254.09		0.71684
KY_RS	05/30/2021	8	105,646.43		0.78679
KY_RS	05/30/2021	9	114,255.58		0.8509
KY_RS	05/30/2021	10	120,979.02		0.90098
KY_RS	05/30/2021	11	123,766.81		0.92174
KY_RS	05/30/2021	12	125,203.40		0.93244
KY_RS	05/30/2021	13	126,303.88		0.94063
KY_RS	05/30/2021	14	124,827.62		0.92964
KY_RS	05/30/2021	15	121,795.77		0.90706
KY_RS	05/30/2021	16	119,649.62		0.89108
KY_RS	05/30/2021	17	120,562.33		0.89787
KY_RS	05/30/2021	18	123,369.46		0.91878
KY_RS	05/30/2021	19	124,398.95		0.92645
KY_RS	05/30/2021	20	124,237.44		0.92524
KY_RS	05/30/2021	21	125,222.94		0.93258
KY_RS	05/30/2021	22	128,134.21		0.95426
KY_RS	05/30/2021	23	122,714.55		0.9139
KY_RS	05/30/2021	24	110,601.50		0.82369
KY_RS	05/31/2021	1	98,147.75		0.73094
KY_RS	05/31/2021	2	89,820.12		0.66892
KY_RS	05/31/2021	3	85,115.70		0.63389
KY_RS	05/31/2021	4	83,279.92		0.62022
KY_RS	05/31/2021	5	83,349.66		0.62074
KY_RS	05/31/2021	6	85,654.43		0.6379
KY_RS	05/31/2021	7	90,673.38		0.67528
KY_RS	05/31/2021	8	98,911.44		0.73663
KY_RS	05/31/2021	9	109,167.69		0.81301
KY_RS	05/31/2021	10	117,442.08		0.87464
KY_RS	05/31/2021	11	123,928.00		0.92294
KY_RS	05/31/2021	12	128,511.39		0.95707
KY_RS	05/31/2021	13	130,704.98		0.97341
KY_RS	05/31/2021	14	130,582.27		0.9725
KY_RS	05/31/2021	15	131,903.50		0.98233
KY_RS	05/31/2021	16	136,052.94		1.01324
KY_RS	05/31/2021	17	144,945.19		1.07946

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	05/31/2021	18	155,875.52	1.16086
KY_RS	05/31/2021	19	161,828.98	1.2052
KY_RS	05/31/2021	20	162,325.99	1.2089
KY_RS	05/31/2021	21	161,739.60	1.20454
KY_RS	05/31/2021	22	159,904.89	1.19087
KY_RS	05/31/2021	23	144,773.07	1.07818
KY_RS	05/31/2021	24	120,889.83	0.90031
KY_RS	06/01/2021	1	101,528.97	0.75612
KY_RS	06/01/2021	2	89,209.09	0.66437
KY_RS	06/01/2021	3	82,707.79	0.61596
KY_RS	06/01/2021	4	79,038.49	0.58863
KY_RS	06/01/2021	5	78,617.10	0.58549
KY_RS	06/01/2021	6	83,193.86	0.61958
KY_RS	06/01/2021	7	93,119.37	0.69349
KY_RS	06/01/2021	8	100,625.84	0.7494
KY_RS	06/01/2021	9	102,454.52	0.76302
KY_RS	06/01/2021	10	106,583.24	0.79377
KY_RS	06/01/2021	11	111,852.47	0.83301
KY_RS	06/01/2021	12	120,698.48	0.89889
KY_RS	06/01/2021	13	130,332.02	0.97063
KY_RS	06/01/2021	14	134,091.29	0.99863
KY_RS	06/01/2021	15	137,804.02	1.02628
KY_RS	06/01/2021	16	147,218.18	1.09639
KY_RS	06/01/2021	17	154,186.81	1.14829
KY_RS	06/01/2021	18	164,560.33	1.22554
KY_RS	06/01/2021	19	171,122.10	1.27441
KY_RS	06/01/2021	20	170,874.14	1.27256
KY_RS	06/01/2021	21	170,204.61	1.26758
KY_RS	06/01/2021	22	166,606.08	1.24078
KY_RS	06/01/2021	23	150,916.24	1.12393
KY_RS	06/01/2021	24	128,751.67	0.95886
KY_RS	06/02/2021	1	109,880.92	0.81832
KY_RS	06/02/2021	2	97,620.10	0.72701
KY_RS	06/02/2021	3	89,962.48	0.66998
KY_RS	06/02/2021	4	85,735.89	0.63851
KY_RS	06/02/2021	5	84,712.21	0.63088
KY_RS	06/02/2021	6	88,276.54	0.65743
KY_RS	06/02/2021	7	97,033.20	0.72264
KY_RS	06/02/2021	8	105,233.50	0.78371
KY_RS	06/02/2021	9	108,700.37	0.80953
KY_RS	06/02/2021	10	112,408.96	0.83715
KY_RS	06/02/2021	11	116,780.02	0.8697
KY_RS	06/02/2021	12	121,630.60	0.90583
KY_RS	06/02/2021	13	125,976.83	0.9382
KY_RS	06/02/2021	14	125,784.22	0.93676
KY_RS	06/02/2021	15	126,526.63	0.94229
KY_RS	06/02/2021	16	128,777.24	0.95905

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	06/02/2021	17	136,211.17		1.01442
KY_RS	06/02/2021	18	148,336.07		1.10471
KY_RS	06/02/2021	19	153,894.30		1.14611
KY_RS	06/02/2021	20	154,327.96		1.14934
KY_RS	06/02/2021	21	153,427.32		1.14263
KY_RS	06/02/2021	22	149,659.83		1.11457
KY_RS	06/02/2021	23	137,836.52		1.02652
KY_RS	06/02/2021	24	119,386.50		0.88912
KY_RS	06/03/2021	1	102,897.95		0.76632
KY_RS	06/03/2021	2	92,452.53		0.68853
KY_RS	06/03/2021	3	86,108.34		0.64128
KY_RS	06/03/2021	4	82,912.80		0.61748
KY_RS	06/03/2021	5	82,730.61		0.61613
KY_RS	06/03/2021	6	87,156.15		0.64908
KY_RS	06/03/2021	7	96,958.93		0.72209
KY_RS	06/03/2021	8	105,559.71		0.78614
KY_RS	06/03/2021	9	109,672.16		0.81677
KY_RS	06/03/2021	10	113,858.71		0.84795
KY_RS	06/03/2021	11	119,471.53		0.88975
KY_RS	06/03/2021	12	124,200.45		0.92497
KY_RS	06/03/2021	13	129,502.57		0.96445
KY_RS	06/03/2021	14	134,955.30		1.00506
KY_RS	06/03/2021	15	133,271.40		0.99252
KY_RS	06/03/2021	16	134,515.17		1.00179
KY_RS	06/03/2021	17	147,903.90		1.1015
KY_RS	06/03/2021	18	167,761.95		1.24939
KY_RS	06/03/2021	19	169,756.99		1.26424
KY_RS	06/03/2021	20	165,199.85		1.23031
KY_RS	06/03/2021	21	161,447.66		1.20236
KY_RS	06/03/2021	22	157,675.70		1.17427
KY_RS	06/03/2021	23	145,944.29		1.0869
KY_RS	06/03/2021	24	125,424.29		0.93408
KY_RS	06/04/2021	1	106,433.21		0.79265
KY_RS	06/04/2021	2	94,032.92		0.7003
KY_RS	06/04/2021	3	86,760.88		0.64614
KY_RS	06/04/2021	4	83,174.29		0.61943
KY_RS	06/04/2021	5	82,217.92		0.61231
KY_RS	06/04/2021	6	85,829.56		0.6392
KY_RS	06/04/2021	7	94,745.05		0.7056
KY_RS	06/04/2021	8	103,997.15		0.77451
KY_RS	06/04/2021	9	112,978.77		0.8414
KY_RS	06/04/2021	10	123,651.97		0.92088
KY_RS	06/04/2021	11	136,498.48		1.01656
KY_RS	06/04/2021	12	150,768.46		1.12283
KY_RS	06/04/2021	13	165,416.62		1.23192
KY_RS	06/04/2021	14	179,334.85		1.33557
KY_RS	06/04/2021	15	195,706.41		1.4575

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	06/04/2021	16	214,844.18		1.60003
KY_RS	06/04/2021	17	234,842.24		1.74896
KY_RS	06/04/2021	18	252,013.22		1.87684
KY_RS	06/04/2021	19	258,204.60		1.92295
KY_RS	06/04/2021	20	252,555.67		1.88088
KY_RS	06/04/2021	21	237,522.70		1.76892
KY_RS	06/04/2021	22	223,919.37		1.66761
KY_RS	06/04/2021	23	207,616.26		1.5462
KY_RS	06/04/2021	24	182,001.75		1.35544
KY_RS	06/05/2021	1	155,942.70		1.16136
KY_RS	06/05/2021	2	134,738.68		1.00345
KY_RS	06/05/2021	3	119,344.01		0.8888
KY_RS	06/05/2021	4	108,532.98		0.80829
KY_RS	06/05/2021	5	100,726.23		0.75015
KY_RS	06/05/2021	6	96,618.52		0.71955
KY_RS	06/05/2021	7	97,608.38		0.72693
KY_RS	06/05/2021	8	110,338.20		0.82173
KY_RS	06/05/2021	9	132,983.62		0.99038
KY_RS	06/05/2021	10	157,524.62		1.17315
KY_RS	06/05/2021	11	181,371.15		1.35074
KY_RS	06/05/2021	12	201,968.48		1.50414
KY_RS	06/05/2021	13	217,420.14		1.61921
KY_RS	06/05/2021	14	231,239.07		1.72212
KY_RS	06/05/2021	15	243,418.62		1.81283
KY_RS	06/05/2021	16	256,267.58		1.90852
KY_RS	06/05/2021	17	267,783.14		1.99428
KY_RS	06/05/2021	18	277,479.60		2.06649
KY_RS	06/05/2021	19	278,904.25		2.0771
KY_RS	06/05/2021	20	269,784.41		2.00919
KY_RS	06/05/2021	21	251,778.13		1.87509
KY_RS	06/05/2021	22	235,642.33		1.75492
KY_RS	06/05/2021	23	217,634.86		1.62081
KY_RS	06/05/2021	24	192,190.85		1.43132
KY_RS	06/06/2021	1	166,421.79		1.23941
KY_RS	06/06/2021	2	144,440.84		1.07571
KY_RS	06/06/2021	3	127,602.84		0.95031
KY_RS	06/06/2021	4	115,722.00		0.86183
KY_RS	06/06/2021	5	107,931.65		0.80381
KY_RS	06/06/2021	6	103,258.40		0.769
KY_RS	06/06/2021	7	103,436.10		0.77033
KY_RS	06/06/2021	8	113,553.04		0.84567
KY_RS	06/06/2021	9	130,540.56		0.97218
KY_RS	06/06/2021	10	152,795.18		1.13792
KY_RS	06/06/2021	11	169,095.01		1.25931
KY_RS	06/06/2021	12	175,125.42		1.30422
KY_RS	06/06/2021	13	198,138.50		1.47561
KY_RS	06/06/2021	14	224,169.46		1.66947

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	06/06/2021	15	245,205.30		1.82614
KY_RS	06/06/2021	16	259,223.17		1.93053
KY_RS	06/06/2021	17	268,614.44		2.00047
KY_RS	06/06/2021	18	284,413.89		2.11814
KY_RS	06/06/2021	19	289,653.64		2.15716
KY_RS	06/06/2021	20	271,517.91		2.0221
KY_RS	06/06/2021	21	253,171.17		1.88546
KY_RS	06/06/2021	22	240,327.06		1.78981
KY_RS	06/06/2021	23	217,527.58		1.62001
KY_RS	06/06/2021	24	186,000.05		1.38521
KY_RS	06/07/2021	1	158,768.25		1.18241
KY_RS	06/07/2021	2	139,875.17		1.0417
KY_RS	06/07/2021	3	127,292.58		0.948
KY_RS	06/07/2021	4	119,332.10		0.88871
KY_RS	06/07/2021	5	114,804.16		0.85499
KY_RS	06/07/2021	6	116,429.31		0.86709
KY_RS	06/07/2021	7	123,968.49		0.92324
KY_RS	06/07/2021	8	131,711.68		0.98091
KY_RS	06/07/2021	9	138,398.82		1.03071
KY_RS	06/07/2021	10	150,187.37		1.1185
KY_RS	06/07/2021	11	160,795.43		1.1975
KY_RS	06/07/2021	12	182,540.59		1.35945
KY_RS	06/07/2021	13	202,934.32		1.51133
KY_RS	06/07/2021	14	214,262.48		1.59569
KY_RS	06/07/2021	15	216,572.85		1.6129
KY_RS	06/07/2021	16	230,178.43		1.71423
KY_RS	06/07/2021	17	240,752.29		1.79297
KY_RS	06/07/2021	18	253,817.41		1.89027
KY_RS	06/07/2021	19	258,807.25		1.92743
KY_RS	06/07/2021	20	258,746.90		1.92699
KY_RS	06/07/2021	21	248,711.49		1.85225
KY_RS	06/07/2021	22	236,122.02		1.75849
KY_RS	06/07/2021	23	216,109.04		1.60945
KY_RS	06/07/2021	24	186,458.22		1.38862
KY_RS	06/08/2021	1	159,711.36		1.18943
KY_RS	06/08/2021	2	141,822.47		1.05621
KY_RS	06/08/2021	3	129,956.94		0.96784
KY_RS	06/08/2021	4	121,446.06		0.90445
KY_RS	06/08/2021	5	116,815.26		0.86997
KY_RS	06/08/2021	6	117,631.23		0.87604
KY_RS	06/08/2021	7	125,181.65		0.93227
KY_RS	06/08/2021	8	133,831.82		0.9967
KY_RS	06/08/2021	9	139,068.29		1.03569
KY_RS	06/08/2021	10	149,698.03		1.11486
KY_RS	06/08/2021	11	168,890.78		1.25779
KY_RS	06/08/2021	12	191,674.26		1.42747
KY_RS	06/08/2021	13	206,925.53		1.54105

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	06/08/2021	14	216,550.19		1.61273
KY_RS	06/08/2021	15	223,383.87		1.66362
KY_RS	06/08/2021	16	229,646.25		1.71026
KY_RS	06/08/2021	17	236,487.69		1.76121
KY_RS	06/08/2021	18	241,801.86		1.80079
KY_RS	06/08/2021	19	238,899.55		1.77917
KY_RS	06/08/2021	20	231,871.84		1.72684
KY_RS	06/08/2021	21	225,063.79		1.67613
KY_RS	06/08/2021	22	218,939.92		1.63053
KY_RS	06/08/2021	23	203,160.21		1.51301
KY_RS	06/08/2021	24	178,191.08		1.32706
KY_RS	06/09/2021	1	154,377.80		1.14971
KY_RS	06/09/2021	2	137,463.18		1.02374
KY_RS	06/09/2021	3	125,406.18		0.93395
KY_RS	06/09/2021	4	118,365.63		0.88151
KY_RS	06/09/2021	5	115,200.05		0.85794
KY_RS	06/09/2021	6	117,398.10		0.87431
KY_RS	06/09/2021	7	124,930.78		0.93041
KY_RS	06/09/2021	8	132,816.61		0.98914
KY_RS	06/09/2021	9	137,671.99		1.0253
KY_RS	06/09/2021	10	141,865.88		1.05653
KY_RS	06/09/2021	11	147,379.42		1.09759
KY_RS	06/09/2021	12	151,255.60		1.12646
KY_RS	06/09/2021	13	156,576.57		1.16608
KY_RS	06/09/2021	14	159,398.91		1.1871
KY_RS	06/09/2021	15	167,247.97		1.24556
KY_RS	06/09/2021	16	176,022.45		1.31091
KY_RS	06/09/2021	17	190,535.50		1.41899
KY_RS	06/09/2021	18	209,098.49		1.55724
KY_RS	06/09/2021	19	219,242.15		1.63278
KY_RS	06/09/2021	20	217,444.20		1.61939
KY_RS	06/09/2021	21	212,493.49		1.58252
KY_RS	06/09/2021	22	208,344.23		1.55162
KY_RS	06/09/2021	23	195,030.23		1.45246
KY_RS	06/09/2021	24	170,154.40		1.2672
KY_RS	06/10/2021	1	148,001.08		1.10222
KY_RS	06/10/2021	2	131,202.66		0.97712
KY_RS	06/10/2021	3	120,908.55		0.90045
KY_RS	06/10/2021	4	114,903.69		0.85573
KY_RS	06/10/2021	5	112,512.02		0.83792
KY_RS	06/10/2021	6	114,951.20		0.85608
KY_RS	06/10/2021	7	123,321.53		0.91842
KY_RS	06/10/2021	8	133,289.98		0.99266
KY_RS	06/10/2021	9	141,461.22		1.05351
KY_RS	06/10/2021	10	152,339.84		1.13453
KY_RS	06/10/2021	11	167,242.78		1.24552
KY_RS	06/10/2021	12	185,244.97		1.37959

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	06/10/2021	13	197,982.37	1.47445
KY_RS	06/10/2021	14	204,565.20	1.52347
KY_RS	06/10/2021	15	213,071.61	1.58682
KY_RS	06/10/2021	16	225,581.37	1.67999
KY_RS	06/10/2021	17	237,420.35	1.76816
KY_RS	06/10/2021	18	262,814.04	1.95728
KY_RS	06/10/2021	19	267,125.05	1.98938
KY_RS	06/10/2021	20	258,262.70	1.92338
KY_RS	06/10/2021	21	250,048.87	1.86221
KY_RS	06/10/2021	22	242,400.69	1.80525
KY_RS	06/10/2021	23	224,948.13	1.67527
KY_RS	06/10/2021	24	197,006.77	1.46718
KY_RS	06/11/2021	1	170,790.03	1.27194
KY_RS	06/11/2021	2	151,422.67	1.1277
KY_RS	06/11/2021	3	137,844.84	1.02658
KY_RS	06/11/2021	4	130,300.95	0.9704
KY_RS	06/11/2021	5	126,186.00	0.93975
KY_RS	06/11/2021	6	126,480.05	0.94194
KY_RS	06/11/2021	7	132,123.95	0.98398
KY_RS	06/11/2021	8	141,735.52	1.05556
KY_RS	06/11/2021	9	149,041.70	1.10997
KY_RS	06/11/2021	10	162,842.41	1.21275
KY_RS	06/11/2021	11	187,233.56	1.3944
KY_RS	06/11/2021	12	204,725.57	1.52467
KY_RS	06/11/2021	13	224,544.89	1.67227
KY_RS	06/11/2021	14	237,919.64	1.77188
KY_RS	06/11/2021	15	242,486.44	1.80589
KY_RS	06/11/2021	16	247,062.44	1.83997
KY_RS	06/11/2021	17	239,446.53	1.78325
KY_RS	06/11/2021	18	237,826.63	1.77118
KY_RS	06/11/2021	19	234,133.11	1.74368
KY_RS	06/11/2021	20	230,343.16	1.71545
KY_RS	06/11/2021	21	226,965.75	1.6903
KY_RS	06/11/2021	22	219,252.38	1.63285
KY_RS	06/11/2021	23	208,547.92	1.55313
KY_RS	06/11/2021	24	187,699.25	1.39787
KY_RS	06/12/2021	1	165,118.47	1.2297
KY_RS	06/12/2021	2	145,523.49	1.08377
KY_RS	06/12/2021	3	131,893.01	0.98226
KY_RS	06/12/2021	4	121,645.31	0.90594
KY_RS	06/12/2021	5	114,974.77	0.85626
KY_RS	06/12/2021	6	112,031.83	0.83434
KY_RS	06/12/2021	7	114,369.92	0.85176
KY_RS	06/12/2021	8	124,226.59	0.92516
KY_RS	06/12/2021	9	143,918.77	1.07182
KY_RS	06/12/2021	10	175,347.82	1.30588
KY_RS	06/12/2021	11	205,530.71	1.53066

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	06/12/2021	12	235,845.81		1.75643
KY_RS	06/12/2021	13	259,796.04		1.9348
KY_RS	06/12/2021	14	277,634.46		2.06765
KY_RS	06/12/2021	15	290,762.67		2.16542
KY_RS	06/12/2021	16	297,360.37		2.21455
KY_RS	06/12/2021	17	307,471.69		2.28986
KY_RS	06/12/2021	18	314,358.60		2.34115
KY_RS	06/12/2021	19	304,043.68		2.26433
KY_RS	06/12/2021	20	291,165.83		2.16842
KY_RS	06/12/2021	21	278,253.43		2.07226
KY_RS	06/12/2021	22	266,901.50		1.98772
KY_RS	06/12/2021	23	251,533.97		1.87327
KY_RS	06/12/2021	24	228,063.40		1.69847
KY_RS	06/13/2021	1	203,591.34		1.51622
KY_RS	06/13/2021	2	182,919.33		1.36227
KY_RS	06/13/2021	3	167,543.67		1.24776
KY_RS	06/13/2021	4	154,843.04		1.15317
KY_RS	06/13/2021	5	144,993.92		1.07982
KY_RS	06/13/2021	6	138,358.59		1.03041
KY_RS	06/13/2021	7	135,702.45		1.01063
KY_RS	06/13/2021	8	148,169.77		1.10348
KY_RS	06/13/2021	9	179,114.49		1.33393
KY_RS	06/13/2021	10	212,375.33		1.58164
KY_RS	06/13/2021	11	243,039.72		1.81001
KY_RS	06/13/2021	12	268,787.06		2.00176
KY_RS	06/13/2021	13	291,937.69		2.17417
KY_RS	06/13/2021	14	306,999.04		2.28634
KY_RS	06/13/2021	15	316,608.25		2.3579
KY_RS	06/13/2021	16	317,549.68		2.36491
KY_RS	06/13/2021	17	331,001.04		2.46509
KY_RS	06/13/2021	18	338,576.86		2.52151
KY_RS	06/13/2021	19	341,260.87		2.5415
KY_RS	06/13/2021	20	335,758.42		2.50052
KY_RS	06/13/2021	21	320,384.18		2.38602
KY_RS	06/13/2021	22	301,186.82		2.24305
KY_RS	06/13/2021	23	272,816.82		2.03177
KY_RS	06/13/2021	24	231,919.21		1.72719
KY_RS	06/14/2021	1	195,232.08		1.45397
KY_RS	06/14/2021	2	167,087.33		1.24436
KY_RS	06/14/2021	3	147,195.72		1.09622
KY_RS	06/14/2021	4	133,003.74		0.99053
KY_RS	06/14/2021	5	123,648.76		0.92086
KY_RS	06/14/2021	6	119,727.89		0.89166
KY_RS	06/14/2021	7	123,019.42		0.91617
KY_RS	06/14/2021	8	134,670.53		1.00294
KY_RS	06/14/2021	9	149,841.24		1.11592
KY_RS	06/14/2021	10	169,761.66		1.26428

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	06/14/2021	11	191,985.16		1.42979
KY_RS	06/14/2021	12	212,685.87		1.58395
KY_RS	06/14/2021	13	230,241.51		1.71147
KY_RS	06/14/2021	14	250,058.70		1.86228
KY_RS	06/14/2021	15	268,088.07		1.99655
KY_RS	06/14/2021	16	286,151.34		2.13108
KY_RS	06/14/2021	17	305,077.95		2.27203
KY_RS	06/14/2021	18	320,651.98		2.38802
KY_RS	06/14/2021	19	323,135.04		2.40651
KY_RS	06/14/2021	20	311,439.00		2.3194
KY_RS	06/14/2021	21	289,391.74		2.15521
KY_RS	06/14/2021	22	269,080.66		2.00394
KY_RS	06/14/2021	23	241,809.69		1.80085
KY_RS	06/14/2021	24	204,961.64		1.52643
KY_RS	06/15/2021	1	172,294.36		1.28314
KY_RS	06/15/2021	2	147,819.29		1.10087
KY_RS	06/15/2021	3	130,105.37		0.96894
KY_RS	06/15/2021	4	117,680.61		0.87641
KY_RS	06/15/2021	5	110,283.92		0.82133
KY_RS	06/15/2021	6	108,525.07		0.80823
KY_RS	06/15/2021	7	113,443.70		0.84486
KY_RS	06/15/2021	8	124,044.57		0.92381
KY_RS	06/15/2021	9	135,298.44		1.00762
KY_RS	06/15/2021	10	147,886.37		1.10137
KY_RS	06/15/2021	11	161,892.71		1.20568
KY_RS	06/15/2021	12	175,409.72		1.30634
KY_RS	06/15/2021	13	188,093.00		1.4008
KY_RS	06/15/2021	14	197,585.05		1.47149
KY_RS	06/15/2021	15	207,109.95		1.54243
KY_RS	06/15/2021	16	220,753.09		1.64403
KY_RS	06/15/2021	17	237,847.96		1.77134
KY_RS	06/15/2021	18	254,498.90		1.89535
KY_RS	06/15/2021	19	254,108.52		1.89244
KY_RS	06/15/2021	20	248,003.21		1.84697
KY_RS	06/15/2021	21	235,205.84		1.75167
KY_RS	06/15/2021	22	220,665.17		1.64338
KY_RS	06/15/2021	23	200,021.14		1.48963
KY_RS	06/15/2021	24	169,288.59		1.26076
KY_RS	06/16/2021	1	143,297.64		1.06719
KY_RS	06/16/2021	2	123,673.12		0.92104
KY_RS	06/16/2021	3	111,461.26		0.83009
KY_RS	06/16/2021	4	103,320.78		0.76947
KY_RS	06/16/2021	5	98,691.68		0.73499
KY_RS	06/16/2021	6	99,650.94		0.74214
KY_RS	06/16/2021	7	105,865.63		0.78842
KY_RS	06/16/2021	8	114,177.30		0.85032
KY_RS	06/16/2021	9	125,045.58		0.93126

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	06/16/2021	10	136,089.06		1.01351
KY_RS	06/16/2021	11	147,488.78		1.0984
KY_RS	06/16/2021	12	159,039.26		1.18443
KY_RS	06/16/2021	13	170,905.44		1.2728
KY_RS	06/16/2021	14	181,456.47		1.35137
KY_RS	06/16/2021	15	194,309.52		1.4471
KY_RS	06/16/2021	16	211,626.95		1.57607
KY_RS	06/16/2021	17	231,473.08		1.72387
KY_RS	06/16/2021	18	250,050.45		1.86222
KY_RS	06/16/2021	19	257,246.40		1.91581
KY_RS	06/16/2021	20	251,572.04		1.87355
KY_RS	06/16/2021	21	236,454.88		1.76097
KY_RS	06/16/2021	22	214,893.88		1.6004
KY_RS	06/16/2021	23	197,756.58		1.47277
KY_RS	06/16/2021	24	165,582.44		1.23315
KY_RS	06/17/2021	1	137,138.44		1.02132
KY_RS	06/17/2021	2	117,872.09		0.87784
KY_RS	06/17/2021	3	105,631.32		0.78668
KY_RS	06/17/2021	4	98,140.42		0.73089
KY_RS	06/17/2021	5	94,263.24		0.70201
KY_RS	06/17/2021	6	95,799.37		0.71345
KY_RS	06/17/2021	7	102,412.63		0.76271
KY_RS	06/17/2021	8	112,367.42		0.83684
KY_RS	06/17/2021	9	122,873.11		0.91508
KY_RS	06/17/2021	10	135,802.89		1.01138
KY_RS	06/17/2021	11	151,260.89		1.1265
KY_RS	06/17/2021	12	168,142.22		1.25222
KY_RS	06/17/2021	13	185,284.68		1.37988
KY_RS	06/17/2021	14	200,920.26		1.49633
KY_RS	06/17/2021	15	217,747.50		1.62165
KY_RS	06/17/2021	16	238,406.58		1.7755
KY_RS	06/17/2021	17	261,347.24		1.94635
KY_RS	06/17/2021	18	282,854.61		2.10652
KY_RS	06/17/2021	19	291,031.18		2.16742
KY_RS	06/17/2021	20	285,832.12		2.1287
KY_RS	06/17/2021	21	270,118.59		2.01167
KY_RS	06/17/2021	22	253,708.10		1.88946
KY_RS	06/17/2021	23	231,895.08		1.72701
KY_RS	06/17/2021	24	198,796.36		1.48051
KY_RS	06/18/2021	1	169,159.76		1.2598
KY_RS	06/18/2021	2	146,057.02		1.08774
KY_RS	06/18/2021	3	130,127.29		0.96911
KY_RS	06/18/2021	4	119,183.97		0.88761
KY_RS	06/18/2021	5	113,890.63		0.84819
KY_RS	06/18/2021	6	112,979.94		0.8414
KY_RS	06/18/2021	7	118,101.14		0.87954
KY_RS	06/18/2021	8	129,293.92		0.9629

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	06/18/2021	9	140,299.56		1.04486
KY_RS	06/18/2021	10	159,599.44		1.1886
KY_RS	06/18/2021	11	170,396.16		1.269
KY_RS	06/18/2021	12	172,806.79		1.28696
KY_RS	06/18/2021	13	172,247.41		1.28279
KY_RS	06/18/2021	14	187,413.61		1.39574
KY_RS	06/18/2021	15	214,119.68		1.59463
KY_RS	06/18/2021	16	244,554.26		1.82129
KY_RS	06/18/2021	17	276,671.38		2.06048
KY_RS	06/18/2021	18	299,791.55		2.23266
KY_RS	06/18/2021	19	305,296.47		2.27366
KY_RS	06/18/2021	20	294,578.04		2.19383
KY_RS	06/18/2021	21	282,626.46		2.10483
KY_RS	06/18/2021	22	257,334.25		1.91646
KY_RS	06/18/2021	23	220,221.97		1.64008
KY_RS	06/18/2021	24	193,472.96		1.44087
KY_RS	06/19/2021	1	166,690.57		1.24141
KY_RS	06/19/2021	2	146,840.66		1.09358
KY_RS	06/19/2021	3	132,147.70		0.98415
KY_RS	06/19/2021	4	123,112.72		0.91687
KY_RS	06/19/2021	5	116,270.53		0.86591
KY_RS	06/19/2021	6	111,338.11		0.82918
KY_RS	06/19/2021	7	111,224.31		0.82833
KY_RS	06/19/2021	8	115,677.30		0.86149
KY_RS	06/19/2021	9	125,858.99		0.93732
KY_RS	06/19/2021	10	136,242.58		1.01465
KY_RS	06/19/2021	11	156,767.24		1.1675
KY_RS	06/19/2021	12	183,093.20		1.36356
KY_RS	06/19/2021	13	198,581.37		1.47891
KY_RS	06/19/2021	14	197,308.25		1.46943
KY_RS	06/19/2021	15	194,783.19		1.45062
KY_RS	06/19/2021	16	210,652.49		1.56881
KY_RS	06/19/2021	17	230,396.76		1.71585
KY_RS	06/19/2021	18	250,718.44		1.86719
KY_RS	06/19/2021	19	259,014.01		1.92897
KY_RS	06/19/2021	20	254,886.16		1.89823
KY_RS	06/19/2021	21	243,305.48		1.81199
KY_RS	06/19/2021	22	233,104.93		1.73602
KY_RS	06/19/2021	23	222,529.91		1.65726
KY_RS	06/19/2021	24	201,274.33		1.49897
KY_RS	06/20/2021	1	178,353.52		1.32827
KY_RS	06/20/2021	2	159,718.58		1.18948
KY_RS	06/20/2021	3	146,829.21		1.09349
KY_RS	06/20/2021	4	137,606.67		1.02481
KY_RS	06/20/2021	5	130,177.06		0.96948
KY_RS	06/20/2021	6	125,579.83		0.93524
KY_RS	06/20/2021	7	125,750.20		0.93651

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	06/20/2021	8	141,187.89		1.05148
KY_RS	06/20/2021	9	170,554.68		1.27018
KY_RS	06/20/2021	10	193,056.47		1.43776
KY_RS	06/20/2021	11	227,147.31		1.69165
KY_RS	06/20/2021	12	252,320.02		1.87912
KY_RS	06/20/2021	13	271,294.23		2.02043
KY_RS	06/20/2021	14	283,227.65		2.1093
KY_RS	06/20/2021	15	293,760.21		2.18774
KY_RS	06/20/2021	16	304,571.60		2.26826
KY_RS	06/20/2021	17	316,700.49		2.35859
KY_RS	06/20/2021	18	324,278.72		2.41503
KY_RS	06/20/2021	19	324,417.77		2.41606
KY_RS	06/20/2021	20	318,345.88		2.37084
KY_RS	06/20/2021	21	308,201.84		2.2953
KY_RS	06/20/2021	22	297,310.65		2.21418
KY_RS	06/20/2021	23	276,084.06		2.0561
KY_RS	06/20/2021	24	243,196.48		1.81118
KY_RS	06/21/2021	1	212,951.85		1.58593
KY_RS	06/21/2021	2	190,788.50		1.42087
KY_RS	06/21/2021	3	176,889.82		1.31736
KY_RS	06/21/2021	4	167,654.75		1.24859
KY_RS	06/21/2021	5	163,136.53		1.21494
KY_RS	06/21/2021	6	162,289.60		1.20863
KY_RS	06/21/2021	7	165,114.92		1.22967
KY_RS	06/21/2021	8	175,148.71		1.3044
KY_RS	06/21/2021	9	183,567.27		1.36709
KY_RS	06/21/2021	10	205,494.68		1.5304
KY_RS	06/21/2021	11	229,159.69		1.70664
KY_RS	06/21/2021	12	248,782.16		1.85277
KY_RS	06/21/2021	13	257,474.20		1.91751
KY_RS	06/21/2021	14	255,885.83		1.90568
KY_RS	06/21/2021	15	247,344.02		1.84206
KY_RS	06/21/2021	16	242,993.38		1.80966
KY_RS	06/21/2021	17	239,676.17		1.78496
KY_RS	06/21/2021	18	242,357.81		1.80493
KY_RS	06/21/2021	19	237,146.37		1.76612
KY_RS	06/21/2021	20	224,345.98		1.67079
KY_RS	06/21/2021	21	211,966.20		1.57859
KY_RS	06/21/2021	22	200,184.96		1.49085
KY_RS	06/21/2021	23	179,891.42		1.33972
KY_RS	06/21/2021	24	154,714.79		1.15222
KY_RS	06/22/2021	1	133,261.38		0.99245
KY_RS	06/22/2021	2	117,983.29		0.87867
KY_RS	06/22/2021	3	107,798.95		0.80282
KY_RS	06/22/2021	4	100,491.93		0.7484
KY_RS	06/22/2021	5	96,578.89		0.71926
KY_RS	06/22/2021	6	96,776.39		0.72073

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	06/22/2021	7	102,203.42	0.76115
KY_RS	06/22/2021	8	109,791.99	0.81766
KY_RS	06/22/2021	9	116,504.08	0.86765
KY_RS	06/22/2021	10	123,247.78	0.91787
KY_RS	06/22/2021	11	129,130.70	0.96168
KY_RS	06/22/2021	12	133,082.08	0.99111
KY_RS	06/22/2021	13	136,539.17	1.01686
KY_RS	06/22/2021	14	138,023.05	1.02791
KY_RS	06/22/2021	15	141,678.89	1.05514
KY_RS	06/22/2021	16	150,807.01	1.12312
KY_RS	06/22/2021	17	165,870.79	1.2353
KY_RS	06/22/2021	18	182,829.99	1.3616
KY_RS	06/22/2021	19	190,689.65	1.42014
KY_RS	06/22/2021	20	187,419.71	1.39579
KY_RS	06/22/2021	21	176,333.71	1.31322
KY_RS	06/22/2021	22	167,073.73	1.24426
KY_RS	06/22/2021	23	152,069.73	1.13252
KY_RS	06/22/2021	24	127,774.40	0.95158
KY_RS	06/23/2021	1	107,450.55	0.80022
KY_RS	06/23/2021	2	94,115.29	0.70091
KY_RS	06/23/2021	3	86,442.94	0.64377
KY_RS	06/23/2021	4	82,316.96	0.61305
KY_RS	06/23/2021	5	81,378.44	0.60606
KY_RS	06/23/2021	6	84,444.30	0.62889
KY_RS	06/23/2021	7	92,180.41	0.6865
KY_RS	06/23/2021	8	99,845.96	0.74359
KY_RS	06/23/2021	9	103,514.67	0.77091
KY_RS	06/23/2021	10	106,987.74	0.79678
KY_RS	06/23/2021	11	113,818.01	0.84765
KY_RS	06/23/2021	12	120,837.54	0.89992
KY_RS	06/23/2021	13	128,264.30	0.95523
KY_RS	06/23/2021	14	135,095.07	1.0061
KY_RS	06/23/2021	15	145,755.98	1.0855
KY_RS	06/23/2021	16	158,670.96	1.18168
KY_RS	06/23/2021	17	172,159.46	1.28214
KY_RS	06/23/2021	18	185,932.24	1.38471
KY_RS	06/23/2021	19	200,491.40	1.49313
KY_RS	06/23/2021	20	201,981.87	1.50423
KY_RS	06/23/2021	21	193,376.66	1.44015
KY_RS	06/23/2021	22	183,334.21	1.36536
KY_RS	06/23/2021	23	168,058.54	1.2516
KY_RS	06/23/2021	24	142,874.84	1.06404
KY_RS	06/24/2021	1	120,036.52	0.89396
KY_RS	06/24/2021	2	104,225.61	0.77621
KY_RS	06/24/2021	3	94,355.89	0.7027
KY_RS	06/24/2021	4	88,818.70	0.66147
KY_RS	06/24/2021	5	86,500.92	0.6442

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	06/24/2021	6	88,776.16		0.66115
KY_RS	06/24/2021	7	96,115.30		0.71581
KY_RS	06/24/2021	8	105,978.36		0.78926
KY_RS	06/24/2021	9	114,439.15		0.85227
KY_RS	06/24/2021	10	125,788.45		0.93679
KY_RS	06/24/2021	11	141,213.47		1.05167
KY_RS	06/24/2021	12	160,306.89		1.19387
KY_RS	06/24/2021	13	180,828.39		1.3467
KY_RS	06/24/2021	14	200,097.40		1.4902
KY_RS	06/24/2021	15	217,454.85		1.61947
KY_RS	06/24/2021	16	233,057.35		1.73567
KY_RS	06/24/2021	17	247,122.88		1.84042
KY_RS	06/24/2021	18	259,462.94		1.93232
KY_RS	06/24/2021	19	261,979.86		1.95106
KY_RS	06/24/2021	20	257,061.58		1.91443
KY_RS	06/24/2021	21	247,565.81		1.84372
KY_RS	06/24/2021	22	238,892.55		1.77912
KY_RS	06/24/2021	23	221,938.53		1.65286
KY_RS	06/24/2021	24	194,236.27		1.44655
KY_RS	06/25/2021	1	169,714.77		1.26393
KY_RS	06/25/2021	2	153,044.80		1.13978
KY_RS	06/25/2021	3	139,194.76		1.03664
KY_RS	06/25/2021	4	129,555.56		0.96485
KY_RS	06/25/2021	5	125,403.95		0.93393
KY_RS	06/25/2021	6	126,089.95		0.93904
KY_RS	06/25/2021	7	130,723.70		0.97355
KY_RS	06/25/2021	8	140,100.61		1.04338
KY_RS	06/25/2021	9	146,820.21		1.09343
KY_RS	06/25/2021	10	155,360.96		1.15703
KY_RS	06/25/2021	11	165,037.58		1.2291
KY_RS	06/25/2021	12	171,691.05		1.27865
KY_RS	06/25/2021	13	184,115.02		1.37117
KY_RS	06/25/2021	14	203,094.70		1.51252
KY_RS	06/25/2021	15	213,861.13		1.5927
KY_RS	06/25/2021	16	226,344.96		1.68568
KY_RS	06/25/2021	17	246,596.96		1.8365
KY_RS	06/25/2021	18	257,869.85		1.92045
KY_RS	06/25/2021	19	263,559.74		1.96283
KY_RS	06/25/2021	20	256,326.77		1.90896
KY_RS	06/25/2021	21	246,924.58		1.83894
KY_RS	06/25/2021	22	238,801.20		1.77844
KY_RS	06/25/2021	23	227,655.91		1.69544
KY_RS	06/25/2021	24	207,743.94		1.54715
KY_RS	06/26/2021	1	185,036.18		1.37803
KY_RS	06/26/2021	2	164,758.04		1.22702
KY_RS	06/26/2021	3	148,793.65		1.10812
KY_RS	06/26/2021	4	137,411.94		1.02336

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	06/26/2021	5	129,885.83		0.96731
KY_RS	06/26/2021	6	126,111.25		0.9392
KY_RS	06/26/2021	7	127,090.38		0.94649
KY_RS	06/26/2021	8	139,131.92		1.03617
KY_RS	06/26/2021	9	157,176.05		1.17055
KY_RS	06/26/2021	10	186,960.95		1.39237
KY_RS	06/26/2021	11	214,534.75		1.59772
KY_RS	06/26/2021	12	235,782.47		1.75596
KY_RS	06/26/2021	13	250,706.99		1.86711
KY_RS	06/26/2021	14	264,560.71		1.97028
KY_RS	06/26/2021	15	273,786.94		2.03899
KY_RS	06/26/2021	16	284,817.38		2.12114
KY_RS	06/26/2021	17	295,533.44		2.20095
KY_RS	06/26/2021	18	303,863.68		2.26299
KY_RS	06/26/2021	19	304,502.44		2.26774
KY_RS	06/26/2021	20	294,822.59		2.19565
KY_RS	06/26/2021	21	277,228.15		2.06462
KY_RS	06/26/2021	22	262,785.37		1.95706
KY_RS	06/26/2021	23	246,179.61		1.83339
KY_RS	06/26/2021	24	221,270.76		1.64789
KY_RS	06/27/2021	1	194,033.63		1.44504
KY_RS	06/27/2021	2	175,351.06		1.30591
KY_RS	06/27/2021	3	159,535.18		1.18812
KY_RS	06/27/2021	4	148,700.07		1.10743
KY_RS	06/27/2021	5	140,128.56		1.04359
KY_RS	06/27/2021	6	134,043.13		0.99827
KY_RS	06/27/2021	7	131,838.41		0.98185
KY_RS	06/27/2021	8	145,460.31		1.0833
KY_RS	06/27/2021	9	176,274.41		1.31278
KY_RS	06/27/2021	10	209,645.80		1.56131
KY_RS	06/27/2021	11	239,500.80		1.78365
KY_RS	06/27/2021	12	263,048.97		1.95902
KY_RS	06/27/2021	13	280,242.09		2.08707
KY_RS	06/27/2021	14	294,643.17		2.19432
KY_RS	06/27/2021	15	307,627.03		2.29101
KY_RS	06/27/2021	16	320,757.21		2.3888
KY_RS	06/27/2021	17	330,241.65		2.45943
KY_RS	06/27/2021	18	341,048.84		2.53992
KY_RS	06/27/2021	19	344,869.98		2.56838
KY_RS	06/27/2021	20	341,412.33		2.54263
KY_RS	06/27/2021	21	329,362.92		2.45289
KY_RS	06/27/2021	22	312,577.86		2.32788
KY_RS	06/27/2021	23	290,056.38		2.16016
KY_RS	06/27/2021	24	254,892.07		1.89828
KY_RS	06/28/2021	1	222,700.03		1.65853
KY_RS	06/28/2021	2	196,910.46		1.46647
KY_RS	06/28/2021	3	178,001.89		1.32565

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	06/28/2021	4	163,987.99		1.22128
KY_RS	06/28/2021	5	154,084.75		1.14753
KY_RS	06/28/2021	6	150,042.44		1.11742
KY_RS	06/28/2021	7	152,565.10		1.13621
KY_RS	06/28/2021	8	165,870.12		1.2353
KY_RS	06/28/2021	9	187,246.88		1.3945
KY_RS	06/28/2021	10	214,893.73		1.60039
KY_RS	06/28/2021	11	243,982.17		1.81703
KY_RS	06/28/2021	12	268,704.89		2.00115
KY_RS	06/28/2021	13	284,652.60		2.11991
KY_RS	06/28/2021	14	285,491.31		2.12616
KY_RS	06/28/2021	15	283,233.58		2.10935
KY_RS	06/28/2021	16	304,293.91		2.26619
KY_RS	06/28/2021	17	328,274.45		2.44478
KY_RS	06/28/2021	18	348,160.71		2.59288
KY_RS	06/28/2021	19	357,259.44		2.66065
KY_RS	06/28/2021	20	354,089.52		2.63704
KY_RS	06/28/2021	21	339,330.65		2.52712
KY_RS	06/28/2021	22	322,385.56		2.40093
KY_RS	06/28/2021	23	298,838.46		2.22556
KY_RS	06/28/2021	24	265,079.74		1.97415
KY_RS	06/29/2021	1	234,465.16		1.74615
KY_RS	06/29/2021	2	209,973.05		1.56375
KY_RS	06/29/2021	3	190,791.12		1.42089
KY_RS	06/29/2021	4	176,452.67		1.31411
KY_RS	06/29/2021	5	166,990.66		1.24364
KY_RS	06/29/2021	6	162,447.95		1.20981
KY_RS	06/29/2021	7	163,944.28		1.22095
KY_RS	06/29/2021	8	177,470.25		1.32169
KY_RS	06/29/2021	9	199,693.10		1.48719
KY_RS	06/29/2021	10	227,888.64		1.69717
KY_RS	06/29/2021	11	256,491.64		1.91019
KY_RS	06/29/2021	12	281,576.02		2.097
KY_RS	06/29/2021	13	301,056.06		2.24208
KY_RS	06/29/2021	14	315,548.93		2.35001
KY_RS	06/29/2021	15	327,235.77		2.43705
KY_RS	06/29/2021	16	341,276.30		2.54161
KY_RS	06/29/2021	17	357,222.24		2.66037
KY_RS	06/29/2021	18	368,999.43		2.74808
KY_RS	06/29/2021	19	351,190.34		2.61545
KY_RS	06/29/2021	20	328,347.76		2.44533
KY_RS	06/29/2021	21	314,235.96		2.34023
KY_RS	06/29/2021	22	300,091.15		2.23489
KY_RS	06/29/2021	23	277,807.77		2.06894
KY_RS	06/29/2021	24	247,796.08		1.84543
KY_RS	06/30/2021	1	222,277.28		1.65538
KY_RS	06/30/2021	2	200,590.65		1.49387

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	06/30/2021	3	184,125.13		1.37125
KY_RS	06/30/2021	4	171,500.83		1.27723
KY_RS	06/30/2021	5	163,116.70		1.21479
KY_RS	06/30/2021	6	160,360.36		1.19426
KY_RS	06/30/2021	7	162,771.81		1.21222
KY_RS	06/30/2021	8	170,476.89		1.26961
KY_RS	06/30/2021	9	188,171.62		1.40138
KY_RS	06/30/2021	10	192,149.10		1.43101
KY_RS	06/30/2021	11	195,821.25		1.45835
KY_RS	06/30/2021	12	212,687.52		1.58396
KY_RS	06/30/2021	13	235,489.55		1.75378
KY_RS	06/30/2021	14	250,579.44		1.86616
KY_RS	06/30/2021	15	270,147.36		2.01189
KY_RS	06/30/2021	16	284,520.04		2.11893
KY_RS	06/30/2021	17	297,223.82		2.21354
KY_RS	06/30/2021	18	303,869.54		2.26303
KY_RS	06/30/2021	19	303,927.85		2.26347
KY_RS	06/30/2021	20	287,758.44		2.14305
KY_RS	06/30/2021	21	272,214.20		2.02728
KY_RS	06/30/2021	22	260,804.02		1.94231
KY_RS	06/30/2021	23	233,615.72		1.73982
KY_RS	06/30/2021	24	202,219.04		1.506
KY_RS	07/01/2021	1	175,450.38		1.30664
KY_RS	07/01/2021	2	156,105.66		1.16258
KY_RS	07/01/2021	3	142,758.39		1.06318
KY_RS	07/01/2021	4	134,422.14		1.00109
KY_RS	07/01/2021	5	130,102.34		0.96892
KY_RS	07/01/2021	6	130,962.90		0.97533
KY_RS	07/01/2021	7	136,067.74		1.01335
KY_RS	07/01/2021	8	142,527.54		1.06146
KY_RS	07/01/2021	9	147,498.91		1.09848
KY_RS	07/01/2021	10	151,137.40		1.12558
KY_RS	07/01/2021	11	156,305.58		1.16407
KY_RS	07/01/2021	12	161,227.87		1.20072
KY_RS	07/01/2021	13	165,391.12		1.23173
KY_RS	07/01/2021	14	168,097.26		1.25188
KY_RS	07/01/2021	15	168,766.82		1.25687
KY_RS	07/01/2021	16	171,878.62		1.28004
KY_RS	07/01/2021	17	187,068.79		1.39317
KY_RS	07/01/2021	18	215,824.24		1.60732
KY_RS	07/01/2021	19	234,209.98		1.74425
KY_RS	07/01/2021	20	235,780.75		1.75595
KY_RS	07/01/2021	21	227,494.85		1.69424
KY_RS	07/01/2021	22	215,262.64		1.60314
KY_RS	07/01/2021	23	197,193.00		1.46857
KY_RS	07/01/2021	24	170,363.52		1.26876
KY_RS	07/02/2021	1	145,023.51		1.08004

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	07/02/2021	2	127,170.28	0.94708
KY_RS	07/02/2021	3	115,068.49	0.85696
KY_RS	07/02/2021	4	107,220.70	0.79851
KY_RS	07/02/2021	5	103,323.75	0.76949
KY_RS	07/02/2021	6	103,731.10	0.77252
KY_RS	07/02/2021	7	109,077.63	0.81234
KY_RS	07/02/2021	8	119,045.37	0.88658
KY_RS	07/02/2021	9	126,742.46	0.9439
KY_RS	07/02/2021	10	139,518.66	1.03905
KY_RS	07/02/2021	11	154,744.21	1.15244
KY_RS	07/02/2021	12	166,999.98	1.24371
KY_RS	07/02/2021	13	175,998.08	1.31072
KY_RS	07/02/2021	14	180,541.39	1.34456
KY_RS	07/02/2021	15	187,283.23	1.39477
KY_RS	07/02/2021	16	197,921.16	1.47399
KY_RS	07/02/2021	17	209,504.25	1.56026
KY_RS	07/02/2021	18	215,868.67	1.60766
KY_RS	07/02/2021	19	215,306.44	1.60347
KY_RS	07/02/2021	20	210,901.76	1.57066
KY_RS	07/02/2021	21	193,939.11	1.44434
KY_RS	07/02/2021	22	181,165.06	1.3492
KY_RS	07/02/2021	23	168,776.71	1.25694
KY_RS	07/02/2021	24	149,847.84	1.11597
KY_RS	07/03/2021	1	129,107.28	0.96151
KY_RS	07/03/2021	2	112,710.79	0.8394
KY_RS	07/03/2021	3	101,639.59	0.75695
KY_RS	07/03/2021	4	94,812.07	0.7061
KY_RS	07/03/2021	5	90,430.74	0.67347
KY_RS	07/03/2021	6	88,693.83	0.66054
KY_RS	07/03/2021	7	90,668.93	0.67525
KY_RS	07/03/2021	8	99,552.07	0.7414
KY_RS	07/03/2021	9	115,387.35	0.85933
KY_RS	07/03/2021	10	133,027.17	0.9907
KY_RS	07/03/2021	11	150,389.57	1.12001
KY_RS	07/03/2021	12	166,693.37	1.24143
KY_RS	07/03/2021	13	180,311.99	1.34285
KY_RS	07/03/2021	14	192,040.45	1.4302
KY_RS	07/03/2021	15	204,389.36	1.52216
KY_RS	07/03/2021	16	218,101.50	1.62428
KY_RS	07/03/2021	17	231,112.48	1.72118
KY_RS	07/03/2021	18	240,460.99	1.7908
KY_RS	07/03/2021	19	240,223.44	1.78903
KY_RS	07/03/2021	20	229,421.81	1.70859
KY_RS	07/03/2021	21	210,756.16	1.56958
KY_RS	07/03/2021	22	195,796.23	1.45817
KY_RS	07/03/2021	23	183,825.16	1.36902
KY_RS	07/03/2021	24	170,597.29	1.2705

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	07/04/2021	1	150,219.83		1.11874
KY_RS	07/04/2021	2	131,449.36		0.97895
KY_RS	07/04/2021	3	119,443.15		0.88954
KY_RS	07/04/2021	4	112,244.10		0.83592
KY_RS	07/04/2021	5	107,745.29		0.80242
KY_RS	07/04/2021	6	105,381.46		0.78482
KY_RS	07/04/2021	7	105,706.76		0.78724
KY_RS	07/04/2021	8	115,187.28		0.85784
KY_RS	07/04/2021	9	138,873.19		1.03424
KY_RS	07/04/2021	10	168,840.18		1.25742
KY_RS	07/04/2021	11	198,128.89		1.47554
KY_RS	07/04/2021	12	226,327.79		1.68555
KY_RS	07/04/2021	13	250,958.52		1.86898
KY_RS	07/04/2021	14	270,822.88		2.01692
KY_RS	07/04/2021	15	287,338.85		2.13992
KY_RS	07/04/2021	16	299,619.35		2.23138
KY_RS	07/04/2021	17	308,749.94		2.29938
KY_RS	07/04/2021	18	313,686.10		2.33614
KY_RS	07/04/2021	19	312,497.40		2.32729
KY_RS	07/04/2021	20	302,637.14		2.25385
KY_RS	07/04/2021	21	287,742.75		2.14293
KY_RS	07/04/2021	22	271,376.70		2.02104
KY_RS	07/04/2021	23	256,099.18		1.90727
KY_RS	07/04/2021	24	240,198.01		1.78884
KY_RS	07/05/2021	1	214,030.27		1.59396
KY_RS	07/05/2021	2	189,228.52		1.40926
KY_RS	07/05/2021	3	169,838.72		1.26485
KY_RS	07/05/2021	4	155,825.11		1.16049
KY_RS	07/05/2021	5	145,397.69		1.08283
KY_RS	07/05/2021	6	138,392.92		1.03066
KY_RS	07/05/2021	7	135,113.99		1.00624
KY_RS	07/05/2021	8	142,634.86		1.06226
KY_RS	07/05/2021	9	166,582.08		1.2406
KY_RS	07/05/2021	10	200,728.22		1.4949
KY_RS	07/05/2021	11	235,491.14		1.75379
KY_RS	07/05/2021	12	265,692.92		1.97872
KY_RS	07/05/2021	13	288,194.70		2.14629
KY_RS	07/05/2021	14	303,120.61		2.25745
KY_RS	07/05/2021	15	315,959.27		2.35307
KY_RS	07/05/2021	16	329,473.74		2.45371
KY_RS	07/05/2021	17	342,313.40		2.54934
KY_RS	07/05/2021	18	355,104.30		2.6446
KY_RS	07/05/2021	19	357,890.53		2.66535
KY_RS	07/05/2021	20	350,522.32		2.61047
KY_RS	07/05/2021	21	335,928.90		2.50179
KY_RS	07/05/2021	22	318,780.41		2.37408
KY_RS	07/05/2021	23	294,206.74		2.19107

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	07/05/2021	24	259,357.02		1.93153
KY_RS	07/06/2021	1	227,451.70		1.69392
KY_RS	07/06/2021	2	202,271.55		1.50639
KY_RS	07/06/2021	3	183,346.91		1.36545
KY_RS	07/06/2021	4	170,148.82		1.26716
KY_RS	07/06/2021	5	160,576.33		1.19587
KY_RS	07/06/2021	6	156,403.34		1.16479
KY_RS	07/06/2021	7	157,286.32		1.17137
KY_RS	07/06/2021	8	165,598.94		1.23328
KY_RS	07/06/2021	9	183,227.24		1.36456
KY_RS	07/06/2021	10	209,133.26		1.55749
KY_RS	07/06/2021	11	237,683.73		1.77012
KY_RS	07/06/2021	12	263,082.21		1.95927
KY_RS	07/06/2021	13	282,183.06		2.10152
KY_RS	07/06/2021	14	297,809.43		2.2179
KY_RS	07/06/2021	15	311,039.57		2.31643
KY_RS	07/06/2021	16	324,811.88		2.419
KY_RS	07/06/2021	17	338,607.31		2.52174
KY_RS	07/06/2021	18	355,352.24		2.64644
KY_RS	07/06/2021	19	359,160.82		2.67481
KY_RS	07/06/2021	20	339,561.57		2.52884
KY_RS	07/06/2021	21	315,849.70		2.35225
KY_RS	07/06/2021	22	303,791.19		2.26245
KY_RS	07/06/2021	23	282,154.68		2.10131
KY_RS	07/06/2021	24	249,733.46		1.85986
KY_RS	07/07/2021	1	219,177.74		1.6323
KY_RS	07/07/2021	2	194,700.42		1.45001
KY_RS	07/07/2021	3	176,396.94		1.31369
KY_RS	07/07/2021	4	163,071.87		1.21446
KY_RS	07/07/2021	5	153,472.37		1.14297
KY_RS	07/07/2021	6	149,216.48		1.11127
KY_RS	07/07/2021	7	151,156.36		1.12572
KY_RS	07/07/2021	8	159,321.23		1.18653
KY_RS	07/07/2021	9	166,966.62		1.24346
KY_RS	07/07/2021	10	176,865.39		1.31718
KY_RS	07/07/2021	11	205,476.58		1.53026
KY_RS	07/07/2021	12	237,216.96		1.76664
KY_RS	07/07/2021	13	264,131.07		1.96708
KY_RS	07/07/2021	14	281,072.00		2.09325
KY_RS	07/07/2021	15	295,190.91		2.1984
KY_RS	07/07/2021	16	310,783.32		2.31452
KY_RS	07/07/2021	17	321,107.70		2.39141
KY_RS	07/07/2021	18	323,493.72		2.40918
KY_RS	07/07/2021	19	303,504.02		2.26031
KY_RS	07/07/2021	20	294,607.41		2.19405
KY_RS	07/07/2021	21	281,070.68		2.09324
KY_RS	07/07/2021	22	269,331.59		2.00581

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	07/07/2021	23	247,947.17		1.84656
KY_RS	07/07/2021	24	218,322.13		1.62593
KY_RS	07/08/2021	1	191,632.52		1.42716
KY_RS	07/08/2021	2	171,954.20		1.28061
KY_RS	07/08/2021	3	157,525.45		1.17315
KY_RS	07/08/2021	4	147,404.56		1.09778
KY_RS	07/08/2021	5	140,683.18		1.04772
KY_RS	07/08/2021	6	139,342.35		1.03773
KY_RS	07/08/2021	7	144,594.42		1.07685
KY_RS	07/08/2021	8	151,990.25		1.13193
KY_RS	07/08/2021	9	155,986.19		1.16169
KY_RS	07/08/2021	10	161,954.50		1.20614
KY_RS	07/08/2021	11	171,589.88		1.27789
KY_RS	07/08/2021	12	183,484.04		1.36647
KY_RS	07/08/2021	13	201,637.99		1.50167
KY_RS	07/08/2021	14	223,407.36		1.6638
KY_RS	07/08/2021	15	224,409.09		1.67126
KY_RS	07/08/2021	16	229,822.57		1.71158
KY_RS	07/08/2021	17	254,372.52		1.89441
KY_RS	07/08/2021	18	274,396.13		2.04353
KY_RS	07/08/2021	19	272,769.55		2.03142
KY_RS	07/08/2021	20	259,634.40		1.9336
KY_RS	07/08/2021	21	245,171.65		1.82589
KY_RS	07/08/2021	22	234,909.33		1.74946
KY_RS	07/08/2021	23	217,723.89		1.62147
KY_RS	07/08/2021	24	191,120.32		1.42334
KY_RS	07/09/2021	1	165,718.62		1.23417
KY_RS	07/09/2021	2	147,542.94		1.09881
KY_RS	07/09/2021	3	137,839.39		1.02654
KY_RS	07/09/2021	4	131,426.05		0.97878
KY_RS	07/09/2021	5	127,164.34		0.94704
KY_RS	07/09/2021	6	125,881.71		0.93749
KY_RS	07/09/2021	7	128,305.63		0.95554
KY_RS	07/09/2021	8	132,987.83		0.99041
KY_RS	07/09/2021	9	142,951.64		1.06461
KY_RS	07/09/2021	10	158,133.39		1.17768
KY_RS	07/09/2021	11	170,665.15		1.27101
KY_RS	07/09/2021	12	181,515.21		1.35181
KY_RS	07/09/2021	13	191,730.45		1.42789
KY_RS	07/09/2021	14	199,909.52		1.4888
KY_RS	07/09/2021	15	211,118.34		1.57228
KY_RS	07/09/2021	16	226,187.24		1.6845
KY_RS	07/09/2021	17	227,922.30		1.69742
KY_RS	07/09/2021	18	221,888.17		1.65248
KY_RS	07/09/2021	19	224,602.25		1.6727
KY_RS	07/09/2021	20	206,523.63		1.53806
KY_RS	07/09/2021	21	194,594.52		1.44922

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	07/09/2021	22	186,697.45		1.39041
KY_RS	07/09/2021	23	176,156.28		1.3119
KY_RS	07/09/2021	24	158,351.21		1.1793
KY_RS	07/10/2021	1	138,012.77		1.02783
KY_RS	07/10/2021	2	121,692.22		0.90629
KY_RS	07/10/2021	3	110,005.51		0.81925
KY_RS	07/10/2021	4	102,268.80		0.76163
KY_RS	07/10/2021	5	97,362.05		0.72509
KY_RS	07/10/2021	6	95,109.87		0.70832
KY_RS	07/10/2021	7	96,616.45		0.71954
KY_RS	07/10/2021	8	102,804.66		0.76562
KY_RS	07/10/2021	9	115,135.95		0.85746
KY_RS	07/10/2021	10	128,476.17		0.95681
KY_RS	07/10/2021	11	142,434.91		1.06077
KY_RS	07/10/2021	12	149,789.05		1.11554
KY_RS	07/10/2021	13	158,906.80		1.18344
KY_RS	07/10/2021	14	166,761.89		1.24194
KY_RS	07/10/2021	15	176,454.76		1.31412
KY_RS	07/10/2021	16	186,188.29		1.38661
KY_RS	07/10/2021	17	207,319.15		1.54398
KY_RS	07/10/2021	18	222,839.02		1.65957
KY_RS	07/10/2021	19	225,341.69		1.6782
KY_RS	07/10/2021	20	220,279.24		1.6405
KY_RS	07/10/2021	21	212,540.27		1.58287
KY_RS	07/10/2021	22	208,081.77		1.54966
KY_RS	07/10/2021	23	194,197.17		1.44626
KY_RS	07/10/2021	24	176,134.53		1.31174
KY_RS	07/11/2021	1	145,687.50		1.08499
KY_RS	07/11/2021	2	141,940.93		1.05709
KY_RS	07/11/2021	3	131,722.31		0.98099
KY_RS	07/11/2021	4	124,256.50		0.92538
KY_RS	07/11/2021	5	117,535.41		0.87533
KY_RS	07/11/2021	6	113,355.20		0.8442
KY_RS	07/11/2021	7	112,977.46		0.84139
KY_RS	07/11/2021	8	118,496.19		0.88249
KY_RS	07/11/2021	9	129,774.37		0.96648
KY_RS	07/11/2021	10	143,438.67		1.06824
KY_RS	07/11/2021	11	157,870.94		1.17572
KY_RS	07/11/2021	12	176,749.39		1.31632
KY_RS	07/11/2021	13	194,864.04		1.45123
KY_RS	07/11/2021	14	206,763.12		1.53984
KY_RS	07/11/2021	15	217,125.34		1.61701
KY_RS	07/11/2021	16	237,452.08		1.76839
KY_RS	07/11/2021	17	256,572.21		1.91079
KY_RS	07/11/2021	18	272,680.76		2.03076
KY_RS	07/11/2021	19	280,174.93		2.08657
KY_RS	07/11/2021	20	273,827.55		2.0393

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	07/11/2021	21	260,280.02	1.9384
KY_RS	07/11/2021	22	249,889.97	1.86102
KY_RS	07/11/2021	23	231,345.38	1.72292
KY_RS	07/11/2021	24	204,229.29	1.52097
KY_RS	07/12/2021	1	178,141.45	1.32669
KY_RS	07/12/2021	2	159,153.32	1.18527
KY_RS	07/12/2021	3	145,480.18	1.08345
KY_RS	07/12/2021	4	135,627.43	1.01007
KY_RS	07/12/2021	5	130,420.11	0.97129
KY_RS	07/12/2021	6	131,368.93	0.97835
KY_RS	07/12/2021	7	137,031.51	1.02053
KY_RS	07/12/2021	8	144,224.23	1.07409
KY_RS	07/12/2021	9	148,993.68	1.10961
KY_RS	07/12/2021	10	159,675.35	1.18916
KY_RS	07/12/2021	11	172,625.27	1.28561
KY_RS	07/12/2021	12	191,261.72	1.4244
KY_RS	07/12/2021	13	206,858.55	1.54055
KY_RS	07/12/2021	14	224,113.89	1.66906
KY_RS	07/12/2021	15	238,404.24	1.77549
KY_RS	07/12/2021	16	258,594.71	1.92585
KY_RS	07/12/2021	17	279,222.74	2.07948
KY_RS	07/12/2021	18	300,601.27	2.23869
KY_RS	07/12/2021	19	308,449.60	2.29714
KY_RS	07/12/2021	20	295,632.42	2.20169
KY_RS	07/12/2021	21	280,101.95	2.08602
KY_RS	07/12/2021	22	266,485.98	1.98462
KY_RS	07/12/2021	23	237,803.64	1.77101
KY_RS	07/12/2021	24	207,063.37	1.54208
KY_RS	07/13/2021	1	182,506.56	1.35919
KY_RS	07/13/2021	2	163,673.40	1.21894
KY_RS	07/13/2021	3	150,179.62	1.11844
KY_RS	07/13/2021	4	140,463.67	1.04609
KY_RS	07/13/2021	5	134,822.87	1.00408
KY_RS	07/13/2021	6	134,190.55	0.99937
KY_RS	07/13/2021	7	138,637.59	1.03249
KY_RS	07/13/2021	8	144,470.96	1.07593
KY_RS	07/13/2021	9	148,138.00	1.10324
KY_RS	07/13/2021	10	156,510.61	1.16559
KY_RS	07/13/2021	11	172,465.38	1.28441
KY_RS	07/13/2021	12	198,256.53	1.47649
KY_RS	07/13/2021	13	211,571.15	1.57565
KY_RS	07/13/2021	14	219,761.42	1.63665
KY_RS	07/13/2021	15	216,487.83	1.61227
KY_RS	07/13/2021	16	239,197.48	1.78139
KY_RS	07/13/2021	17	248,038.32	1.84723
KY_RS	07/13/2021	18	244,851.23	1.8235
KY_RS	07/13/2021	19	244,482.97	1.82076

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	07/13/2021	20	240,580.22		1.79169
KY_RS	07/13/2021	21	230,075.14		1.71346
KY_RS	07/13/2021	22	222,397.38		1.65628
KY_RS	07/13/2021	23	206,514.34		1.53799
KY_RS	07/13/2021	24	179,856.15		1.33946
KY_RS	07/14/2021	1	155,198.37		1.15582
KY_RS	07/14/2021	2	137,251.64		1.02216
KY_RS	07/14/2021	3	126,346.52		0.94095
KY_RS	07/14/2021	4	119,112.61		0.88708
KY_RS	07/14/2021	5	114,960.52		0.85615
KY_RS	07/14/2021	6	115,986.63		0.8638
KY_RS	07/14/2021	7	121,863.40		0.90756
KY_RS	07/14/2021	8	131,221.40		0.97726
KY_RS	07/14/2021	9	139,794.50		1.0411
KY_RS	07/14/2021	10	151,154.76		1.12571
KY_RS	07/14/2021	11	167,668.90		1.24869
KY_RS	07/14/2021	12	190,103.05		1.41577
KY_RS	07/14/2021	13	213,015.72		1.58641
KY_RS	07/14/2021	14	230,352.86		1.71552
KY_RS	07/14/2021	15	246,914.13		1.83886
KY_RS	07/14/2021	16	264,454.59		1.96949
KY_RS	07/14/2021	17	283,560.20		2.11178
KY_RS	07/14/2021	18	300,974.56		2.24147
KY_RS	07/14/2021	19	306,291.82		2.28107
KY_RS	07/14/2021	20	298,561.78		2.2235
KY_RS	07/14/2021	21	284,127.97		2.11601
KY_RS	07/14/2021	22	271,339.87		2.02077
KY_RS	07/14/2021	23	250,767.93		1.86756
KY_RS	07/14/2021	24	220,280.78		1.64051
KY_RS	07/15/2021	1	192,601.95		1.43438
KY_RS	07/15/2021	2	173,065.26		1.28888
KY_RS	07/15/2021	3	159,312.98		1.18646
KY_RS	07/15/2021	4	148,568.86		1.10645
KY_RS	07/15/2021	5	140,432.63		1.04585
KY_RS	07/15/2021	6	137,692.81		1.02545
KY_RS	07/15/2021	7	140,292.04		1.04481
KY_RS	07/15/2021	8	148,679.72		1.10727
KY_RS	07/15/2021	9	161,887.38		1.20564
KY_RS	07/15/2021	10	180,520.71		1.34441
KY_RS	07/15/2021	11	207,087.63		1.54226
KY_RS	07/15/2021	12	232,665.71		1.73275
KY_RS	07/15/2021	13	255,503.33		1.90283
KY_RS	07/15/2021	14	273,024.12		2.03331
KY_RS	07/15/2021	15	287,885.33		2.14399
KY_RS	07/15/2021	16	303,991.37		2.26394
KY_RS	07/15/2021	17	321,117.77		2.39148
KY_RS	07/15/2021	18	334,144.37		2.4885

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	07/15/2021	19	339,156.13		2.52582
KY_RS	07/15/2021	20	332,123.33		2.47345
KY_RS	07/15/2021	21	315,069.60		2.34644
KY_RS	07/15/2021	22	303,063.08		2.25702
KY_RS	07/15/2021	23	282,566.48		2.10438
KY_RS	07/15/2021	24	252,250.72		1.87861
KY_RS	07/16/2021	1	223,709.26		1.66605
KY_RS	07/16/2021	2	199,685.07		1.48713
KY_RS	07/16/2021	3	180,955.14		1.34764
KY_RS	07/16/2021	4	167,482.88		1.24731
KY_RS	07/16/2021	5	158,918.89		1.18353
KY_RS	07/16/2021	6	155,134.14		1.15534
KY_RS	07/16/2021	7	156,927.29		1.1687
KY_RS	07/16/2021	8	164,989.57		1.22874
KY_RS	07/16/2021	9	181,303.63		1.35024
KY_RS	07/16/2021	10	201,658.20		1.50182
KY_RS	07/16/2021	11	223,451.17		1.66412
KY_RS	07/16/2021	12	247,365.80		1.84223
KY_RS	07/16/2021	13	265,770.89		1.9793
KY_RS	07/16/2021	14	284,667.37		2.12002
KY_RS	07/16/2021	15	277,246.04		2.06476
KY_RS	07/16/2021	16	238,547.98		1.77656
KY_RS	07/16/2021	17	239,997.21		1.78735
KY_RS	07/16/2021	18	263,960.83		1.96582
KY_RS	07/16/2021	19	272,978.22		2.03297
KY_RS	07/16/2021	20	256,177.85		1.90785
KY_RS	07/16/2021	21	242,594.97		1.8067
KY_RS	07/16/2021	22	234,474.02		1.74622
KY_RS	07/16/2021	23	221,789.91		1.65175
KY_RS	07/16/2021	24	200,050.20		1.48985
KY_RS	07/17/2021	1	174,750.50		1.30143
KY_RS	07/17/2021	2	156,127.19		1.16274
KY_RS	07/17/2021	3	144,031.35		1.07266
KY_RS	07/17/2021	4	136,346.09		1.01542
KY_RS	07/17/2021	5	131,245.54		0.97743
KY_RS	07/17/2021	6	128,460.70		0.9567
KY_RS	07/17/2021	7	129,310.06		0.96302
KY_RS	07/17/2021	8	136,317.77		1.01521
KY_RS	07/17/2021	9	149,532.69		1.11363
KY_RS	07/17/2021	10	166,924.95		1.24315
KY_RS	07/17/2021	11	184,296.15		1.37252
KY_RS	07/17/2021	12	206,434.87		1.5374
KY_RS	07/17/2021	13	215,156.17		1.60235
KY_RS	07/17/2021	14	223,760.64		1.66643
KY_RS	07/17/2021	15	243,159.06		1.8109
KY_RS	07/17/2021	16	256,233.18		1.90826
KY_RS	07/17/2021	17	264,688.40		1.97123

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	07/17/2021	18	274,094.59		2.04129
KY_RS	07/17/2021	19	274,254.09		2.04247
KY_RS	07/17/2021	20	267,844.23		1.99474
KY_RS	07/17/2021	21	252,368.65		1.87948
KY_RS	07/17/2021	22	239,502.27		1.78366
KY_RS	07/17/2021	23	225,326.45		1.67809
KY_RS	07/17/2021	24	204,940.33		1.52627
KY_RS	07/18/2021	1	180,841.13		1.34679
KY_RS	07/18/2021	2	158,864.98		1.18313
KY_RS	07/18/2021	3	142,331.50		1.06
KY_RS	07/18/2021	4	130,482.18		0.97175
KY_RS	07/18/2021	5	121,384.81		0.904
KY_RS	07/18/2021	6	115,922.79		0.86332
KY_RS	07/18/2021	7	114,428.76		0.85219
KY_RS	07/18/2021	8	121,317.50		0.9035
KY_RS	07/18/2021	9	136,520.49		1.01672
KY_RS	07/18/2021	10	159,455.26		1.18752
KY_RS	07/18/2021	11	183,789.87		1.36875
KY_RS	07/18/2021	12	202,269.62		1.50638
KY_RS	07/18/2021	13	219,781.94		1.6368
KY_RS	07/18/2021	14	233,948.97		1.74231
KY_RS	07/18/2021	15	247,904.67		1.84624
KY_RS	07/18/2021	16	262,988.33		1.95857
KY_RS	07/18/2021	17	279,297.48		2.08003
KY_RS	07/18/2021	18	292,266.13		2.17662
KY_RS	07/18/2021	19	294,899.09		2.19622
KY_RS	07/18/2021	20	287,899.16		2.14409
KY_RS	07/18/2021	21	271,719.08		2.02359
KY_RS	07/18/2021	22	255,489.78		1.90273
KY_RS	07/18/2021	23	231,383.74		1.7232
KY_RS	07/18/2021	24	198,025.62		1.47477
KY_RS	07/19/2021	1	167,433.96		1.24694
KY_RS	07/19/2021	2	145,821.01		1.08598
KY_RS	07/19/2021	3	131,036.12		0.97588
KY_RS	07/19/2021	4	121,251.36		0.903
KY_RS	07/19/2021	5	116,062.77		0.86436
KY_RS	07/19/2021	6	115,133.64		0.85744
KY_RS	07/19/2021	7	118,954.34		0.8859
KY_RS	07/19/2021	8	126,511.84		0.94218
KY_RS	07/19/2021	9	137,665.37		1.02525
KY_RS	07/19/2021	10	153,499.67		1.14317
KY_RS	07/19/2021	11	173,816.99		1.29448
KY_RS	07/19/2021	12	196,642.59		1.46447
KY_RS	07/19/2021	13	217,101.40		1.61684
KY_RS	07/19/2021	14	233,862.93		1.74167
KY_RS	07/19/2021	15	249,467.81		1.85788
KY_RS	07/19/2021	16	266,567.18		1.98523

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	07/19/2021	17	283,912.98		2.11441
KY_RS	07/19/2021	18	299,355.06		2.22941
KY_RS	07/19/2021	19	299,838.10		2.23301
KY_RS	07/19/2021	20	288,841.74		2.15111
KY_RS	07/19/2021	21	274,379.96		2.04341
KY_RS	07/19/2021	22	259,520.62		1.93275
KY_RS	07/19/2021	23	234,131.71		1.74367
KY_RS	07/19/2021	24	200,928.69		1.49639
KY_RS	07/20/2021	1	171,584.37		1.27785
KY_RS	07/20/2021	2	149,594.97		1.11409
KY_RS	07/20/2021	3	134,839.02		1.0042
KY_RS	07/20/2021	4	124,228.84		0.92518
KY_RS	07/20/2021	5	118,366.42		0.88152
KY_RS	07/20/2021	6	117,972.70		0.87859
KY_RS	07/20/2021	7	122,443.76		0.91188
KY_RS	07/20/2021	8	130,009.38		0.96823
KY_RS	07/20/2021	9	140,157.15		1.0438
KY_RS	07/20/2021	10	156,185.36		1.16317
KY_RS	07/20/2021	11	177,651.42		1.32304
KY_RS	07/20/2021	12	201,551.94		1.50103
KY_RS	07/20/2021	13	224,117.26		1.66909
KY_RS	07/20/2021	14	242,126.51		1.80321
KY_RS	07/20/2021	15	258,360.58		1.92411
KY_RS	07/20/2021	16	275,806.81		2.05404
KY_RS	07/20/2021	17	293,923.78		2.18896
KY_RS	07/20/2021	18	309,466.28		2.30471
KY_RS	07/20/2021	19	312,970.29		2.33081
KY_RS	07/20/2021	20	303,284.97		2.25868
KY_RS	07/20/2021	21	286,288.58		2.1321
KY_RS	07/20/2021	22	271,700.09		2.02345
KY_RS	07/20/2021	23	247,112.83		1.84034
KY_RS	07/20/2021	24	213,030.20		1.58652
KY_RS	07/21/2021	1	182,581.28		1.35975
KY_RS	07/21/2021	2	158,532.03		1.18065
KY_RS	07/21/2021	3	141,946.41		1.05713
KY_RS	07/21/2021	4	130,342.62		0.97071
KY_RS	07/21/2021	5	123,444.63		0.91934
KY_RS	07/21/2021	6	121,850.48		0.90747
KY_RS	07/21/2021	7	124,922.74		0.93035
KY_RS	07/21/2021	8	132,150.07		0.98417
KY_RS	07/21/2021	9	142,664.22		1.06247
KY_RS	07/21/2021	10	158,873.83		1.18319
KY_RS	07/21/2021	11	176,677.41		1.31578
KY_RS	07/21/2021	12	185,901.43		1.38448
KY_RS	07/21/2021	13	197,107.98		1.46794
KY_RS	07/21/2021	14	216,778.42		1.61443
KY_RS	07/21/2021	15	234,191.18		1.74411

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	07/21/2021	16	252,301.35		1.87898
KY_RS	07/21/2021	17	269,952.70		2.01044
KY_RS	07/21/2021	18	286,380.93		2.13279
KY_RS	07/21/2021	19	286,028.21		2.13016
KY_RS	07/21/2021	20	273,910.73		2.03992
KY_RS	07/21/2021	21	257,729.04		1.91941
KY_RS	07/21/2021	22	245,127.38		1.82556
KY_RS	07/21/2021	23	222,262.62		1.65527
KY_RS	07/21/2021	24	191,198.91		1.42393
KY_RS	07/22/2021	1	163,134.45		1.21492
KY_RS	07/22/2021	2	140,694.09		1.0478
KY_RS	07/22/2021	3	125,706.03		0.93618
KY_RS	07/22/2021	4	115,631.40		0.86115
KY_RS	07/22/2021	5	109,531.12		0.81572
KY_RS	07/22/2021	6	108,431.65		0.80753
KY_RS	07/22/2021	7	112,380.70		0.83694
KY_RS	07/22/2021	8	119,129.95		0.88721
KY_RS	07/22/2021	9	129,702.33		0.96594
KY_RS	07/22/2021	10	143,559.96		1.06915
KY_RS	07/22/2021	11	160,115.48		1.19244
KY_RS	07/22/2021	12	176,637.12		1.31548
KY_RS	07/22/2021	13	192,817.53		1.43598
KY_RS	07/22/2021	14	207,386.41		1.54448
KY_RS	07/22/2021	15	221,616.10		1.65046
KY_RS	07/22/2021	16	239,814.82		1.78599
KY_RS	07/22/2021	17	258,751.65		1.92702
KY_RS	07/22/2021	18	274,538.56		2.04459
KY_RS	07/22/2021	19	274,599.47		2.04505
KY_RS	07/22/2021	20	265,297.28		1.97577
KY_RS	07/22/2021	21	249,537.01		1.8584
KY_RS	07/22/2021	22	236,483.03		1.76118
KY_RS	07/22/2021	23	215,516.36		1.60503
KY_RS	07/22/2021	24	186,076.56		1.38578
KY_RS	07/23/2021	1	158,884.79		1.18327
KY_RS	07/23/2021	2	138,042.60		1.02806
KY_RS	07/23/2021	3	123,905.35		0.92277
KY_RS	07/23/2021	4	114,473.90		0.85253
KY_RS	07/23/2021	5	108,501.75		0.80805
KY_RS	07/23/2021	6	107,382.65		0.79972
KY_RS	07/23/2021	7	111,366.47		0.82939
KY_RS	07/23/2021	8	118,421.35		0.88193
KY_RS	07/23/2021	9	125,800.47		0.93688
KY_RS	07/23/2021	10	145,540.53		1.0839
KY_RS	07/23/2021	11	164,225.99		1.22305
KY_RS	07/23/2021	12	185,814.49		1.38383
KY_RS	07/23/2021	13	207,535.61		1.5456
KY_RS	07/23/2021	14	225,198.77		1.67714

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	07/23/2021	15	242,017.96	1.8024
KY_RS	07/23/2021	16	261,202.54	1.94527
KY_RS	07/23/2021	17	278,880.41	2.07693
KY_RS	07/23/2021	18	292,717.22	2.17998
KY_RS	07/23/2021	19	294,822.25	2.19565
KY_RS	07/23/2021	20	284,782.09	2.12088
KY_RS	07/23/2021	21	266,142.09	1.98206
KY_RS	07/23/2021	22	250,326.23	1.86427
KY_RS	07/23/2021	23	231,872.14	1.72684
KY_RS	07/23/2021	24	205,692.80	1.53187
KY_RS	07/24/2021	1	179,112.89	1.33392
KY_RS	07/24/2021	2	156,758.98	1.16744
KY_RS	07/24/2021	3	139,727.68	1.0406
KY_RS	07/24/2021	4	127,449.18	0.94916
KY_RS	07/24/2021	5	118,633.81	0.88351
KY_RS	07/24/2021	6	113,403.74	0.84456
KY_RS	07/24/2021	7	112,063.63	0.83458
KY_RS	07/24/2021	8	120,060.45	0.89414
KY_RS	07/24/2021	9	142,430.23	1.06073
KY_RS	07/24/2021	10	170,719.10	1.27141
KY_RS	07/24/2021	11	198,762.01	1.48026
KY_RS	07/24/2021	12	224,859.57	1.67461
KY_RS	07/24/2021	13	245,821.31	1.83072
KY_RS	07/24/2021	14	263,305.02	1.96093
KY_RS	07/24/2021	15	280,296.72	2.08748
KY_RS	07/24/2021	16	297,334.98	2.21437
KY_RS	07/24/2021	17	309,352.20	2.30386
KY_RS	07/24/2021	18	317,711.12	2.36611
KY_RS	07/24/2021	19	317,963.08	2.36799
KY_RS	07/24/2021	20	300,869.61	2.24069
KY_RS	07/24/2021	21	284,654.22	2.11993
KY_RS	07/24/2021	22	274,203.02	2.04209
KY_RS	07/24/2021	23	257,871.41	1.92047
KY_RS	07/24/2021	24	235,255.83	1.75204
KY_RS	07/25/2021	1	210,819.66	1.57005
KY_RS	07/25/2021	2	192,469.31	1.43339
KY_RS	07/25/2021	3	180,023.96	1.34071
KY_RS	07/25/2021	4	170,118.38	1.26694
KY_RS	07/25/2021	5	163,428.27	1.21711
KY_RS	07/25/2021	6	157,664.17	1.17418
KY_RS	07/25/2021	7	154,759.11	1.15255
KY_RS	07/25/2021	8	159,611.95	1.18869
KY_RS	07/25/2021	9	178,737.50	1.33113
KY_RS	07/25/2021	10	209,153.39	1.55764
KY_RS	07/25/2021	11	240,925.27	1.79426
KY_RS	07/25/2021	12	272,914.23	2.03249
KY_RS	07/25/2021	13	296,374.92	2.20722

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	07/25/2021	14	314,977.54		2.34576
KY_RS	07/25/2021	15	326,013.46		2.42794
KY_RS	07/25/2021	16	334,992.36		2.49481
KY_RS	07/25/2021	17	344,936.18		2.56887
KY_RS	07/25/2021	18	354,125.58		2.63731
KY_RS	07/25/2021	19	358,167.75		2.66741
KY_RS	07/25/2021	20	352,415.03		2.62457
KY_RS	07/25/2021	21	340,033.55		2.53236
KY_RS	07/25/2021	22	326,972.63		2.43509
KY_RS	07/25/2021	23	301,303.30		2.24392
KY_RS	07/25/2021	24	267,247.50		1.99029
KY_RS	07/26/2021	1	234,532.11		1.74665
KY_RS	07/26/2021	2	209,891.01		1.56314
KY_RS	07/26/2021	3	190,932.10		1.42194
KY_RS	07/26/2021	4	176,933.52		1.31769
KY_RS	07/26/2021	5	166,802.15		1.24224
KY_RS	07/26/2021	6	162,446.19		1.2098
KY_RS	07/26/2021	7	163,172.36		1.21521
KY_RS	07/26/2021	8	168,029.38		1.25138
KY_RS	07/26/2021	9	180,902.82		1.34725
KY_RS	07/26/2021	10	207,625.20		1.54626
KY_RS	07/26/2021	11	239,240.10		1.78171
KY_RS	07/26/2021	12	264,959.88		1.97326
KY_RS	07/26/2021	13	287,238.05		2.13917
KY_RS	07/26/2021	14	301,267.02		2.24365
KY_RS	07/26/2021	15	312,716.12		2.32891
KY_RS	07/26/2021	16	326,976.40		2.43512
KY_RS	07/26/2021	17	341,606.09		2.54407
KY_RS	07/26/2021	18	355,069.19		2.64433
KY_RS	07/26/2021	19	357,088.73		2.65937
KY_RS	07/26/2021	20	345,698.94		2.57455
KY_RS	07/26/2021	21	325,403.27		2.4234
KY_RS	07/26/2021	22	305,293.03		2.27363
KY_RS	07/26/2021	23	276,400.77		2.05846
KY_RS	07/26/2021	24	239,651.10		1.78477
KY_RS	07/27/2021	1	206,326.27		1.53659
KY_RS	07/27/2021	2	180,508.37		1.34431
KY_RS	07/27/2021	3	161,298.14		1.20125
KY_RS	07/27/2021	4	147,253.40		1.09665
KY_RS	07/27/2021	5	137,823.90		1.02643
KY_RS	07/27/2021	6	133,410.71		0.99356
KY_RS	07/27/2021	7	134,855.56		1.00432
KY_RS	07/27/2021	8	141,838.76		1.05633
KY_RS	07/27/2021	9	156,639.92		1.16656
KY_RS	07/27/2021	10	178,252.56		1.32751
KY_RS	07/27/2021	11	202,815.22		1.51044
KY_RS	07/27/2021	12	229,802.47		1.71143

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	07/27/2021	13	253,810.02		1.89022
KY_RS	07/27/2021	14	272,239.65		2.02747
KY_RS	07/27/2021	15	288,599.76		2.14931
KY_RS	07/27/2021	16	306,941.48		2.28591
KY_RS	07/27/2021	17	323,512.91		2.40932
KY_RS	07/27/2021	18	338,203.63		2.51873
KY_RS	07/27/2021	19	341,361.55		2.54225
KY_RS	07/27/2021	20	332,416.68		2.47563
KY_RS	07/27/2021	21	314,884.74		2.34507
KY_RS	07/27/2021	22	299,003.73		2.22679
KY_RS	07/27/2021	23	272,337.80		2.0282
KY_RS	07/27/2021	24	238,009.24		1.77254
KY_RS	07/28/2021	1	206,681.65		1.53924
KY_RS	07/28/2021	2	181,805.73		1.35398
KY_RS	07/28/2021	3	164,048.95		1.22173
KY_RS	07/28/2021	4	150,970.11		1.12433
KY_RS	07/28/2021	5	142,104.47		1.05831
KY_RS	07/28/2021	6	138,160.87		1.02894
KY_RS	07/28/2021	7	140,023.70		1.04281
KY_RS	07/28/2021	8	146,515.71		1.09116
KY_RS	07/28/2021	9	159,914.76		1.19095
KY_RS	07/28/2021	10	183,169.39		1.36413
KY_RS	07/28/2021	11	211,226.05		1.57308
KY_RS	07/28/2021	12	234,821.86		1.74881
KY_RS	07/28/2021	13	251,301.14		1.87153
KY_RS	07/28/2021	14	271,019.01		2.01838
KY_RS	07/28/2021	15	289,141.75		2.15335
KY_RS	07/28/2021	16	306,286.40		2.28103
KY_RS	07/28/2021	17	321,677.62		2.39565
KY_RS	07/28/2021	18	336,094.67		2.50302
KY_RS	07/28/2021	19	340,356.15		2.53476
KY_RS	07/28/2021	20	332,887.13		2.47914
KY_RS	07/28/2021	21	317,417.63		2.36393
KY_RS	07/28/2021	22	304,236.43		2.26576
KY_RS	07/28/2021	23	280,178.59		2.0866
KY_RS	07/28/2021	24	247,853.53		1.84586
KY_RS	07/29/2021	1	218,693.19		1.62869
KY_RS	07/29/2021	2	195,776.35		1.45802
KY_RS	07/29/2021	3	178,399.95		1.32861
KY_RS	07/29/2021	4	166,067.52		1.23677
KY_RS	07/29/2021	5	158,133.58		1.17768
KY_RS	07/29/2021	6	155,124.75		1.15527
KY_RS	07/29/2021	7	156,913.69		1.1686
KY_RS	07/29/2021	8	162,164.69		1.2077
KY_RS	07/29/2021	9	165,051.33		1.2292
KY_RS	07/29/2021	10	173,777.42		1.29419
KY_RS	07/29/2021	11	196,346.70		1.46227

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	07/29/2021	12	225,236.43		1.67742
KY_RS	07/29/2021	13	255,920.44		1.90594
KY_RS	07/29/2021	14	274,072.98		2.04112
KY_RS	07/29/2021	15	290,888.63		2.16636
KY_RS	07/29/2021	16	308,836.29		2.30002
KY_RS	07/29/2021	17	328,910.58		2.44952
KY_RS	07/29/2021	18	339,475.28		2.5282
KY_RS	07/29/2021	19	333,312.28		2.4823
KY_RS	07/29/2021	20	323,751.12		2.4111
KY_RS	07/29/2021	21	314,710.77		2.34377
KY_RS	07/29/2021	22	305,528.93		2.27539
KY_RS	07/29/2021	23	286,201.97		2.13145
KY_RS	07/29/2021	24	259,784.52		1.93471
KY_RS	07/30/2021	1	233,908.31		1.742
KY_RS	07/30/2021	2	212,209.03		1.5804
KY_RS	07/30/2021	3	195,292.33		1.45442
KY_RS	07/30/2021	4	181,304.01		1.35024
KY_RS	07/30/2021	5	170,649.97		1.27089
KY_RS	07/30/2021	6	164,849.05		1.22769
KY_RS	07/30/2021	7	164,770.88		1.22711
KY_RS	07/30/2021	8	168,441.98		1.25445
KY_RS	07/30/2021	9	173,289.80		1.29055
KY_RS	07/30/2021	10	183,235.97		1.36463
KY_RS	07/30/2021	11	200,187.00		1.49087
KY_RS	07/30/2021	12	220,912.00		1.64521
KY_RS	07/30/2021	13	238,325.51		1.7749
KY_RS	07/30/2021	14	254,930.72		1.89856
KY_RS	07/30/2021	15	268,816.76		2.00198
KY_RS	07/30/2021	16	282,662.36		2.10509
KY_RS	07/30/2021	17	295,085.44		2.19761
KY_RS	07/30/2021	18	305,029.02		2.27167
KY_RS	07/30/2021	19	302,505.37		2.25287
KY_RS	07/30/2021	20	286,489.45		2.13359
KY_RS	07/30/2021	21	264,639.44		1.97087
KY_RS	07/30/2021	22	248,755.10		1.85257
KY_RS	07/30/2021	23	229,171.83		1.70673
KY_RS	07/30/2021	24	204,173.34		1.52056
KY_RS	07/31/2021	1	179,718.28		1.33843
KY_RS	07/31/2021	2	160,272.01		1.19361
KY_RS	07/31/2021	3	144,708.08		1.0777
KY_RS	07/31/2021	4	133,488.00		0.99414
KY_RS	07/31/2021	5	126,100.21		0.93912
KY_RS	07/31/2021	6	121,825.11		0.90728
KY_RS	07/31/2021	7	121,146.36		0.90222
KY_RS	07/31/2021	8	126,182.27		0.93973
KY_RS	07/31/2021	9	136,528.60		1.01678
KY_RS	07/31/2021	10	151,946.77		1.1316

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	07/31/2021	11	167,980.64		1.25101
KY_RS	07/31/2021	12	188,181.05		1.40146
KY_RS	07/31/2021	13	209,586.66		1.56087
KY_RS	07/31/2021	14	209,910.43		1.56328
KY_RS	07/31/2021	15	206,756.78		1.5398
KY_RS	07/31/2021	16	200,316.22		1.49183
KY_RS	07/31/2021	17	194,088.71		1.44545
KY_RS	07/31/2021	18	194,048.28		1.44515
KY_RS	07/31/2021	19	189,428.32		1.41074
KY_RS	07/31/2021	20	184,055.55		1.37073
KY_RS	07/31/2021	21	179,742.29		1.33861
KY_RS	07/31/2021	22	177,264.58		1.32016
KY_RS	07/31/2021	23	168,214.83		1.25276
KY_RS	07/31/2021	24	152,110.44		1.13282
KY_RS	08/01/2021	1	133,227.49		0.9922
KY_RS	08/01/2021	2	118,029.80		0.87901
KY_RS	08/01/2021	3	107,066.88		0.79737
KY_RS	08/01/2021	4	99,511.41		0.7411
KY_RS	08/01/2021	5	94,425.52		0.70322
KY_RS	08/01/2021	6	92,085.53		0.6858
KY_RS	08/01/2021	7	92,515.19		0.689
KY_RS	08/01/2021	8	100,680.59		0.74981
KY_RS	08/01/2021	9	118,782.14		0.88462
KY_RS	08/01/2021	10	140,335.09		1.04513
KY_RS	08/01/2021	11	162,364.30		1.20919
KY_RS	08/01/2021	12	184,502.05		1.37406
KY_RS	08/01/2021	13	203,894.15		1.51848
KY_RS	08/01/2021	14	218,291.26		1.6257
KY_RS	08/01/2021	15	232,728.12		1.73321
KY_RS	08/01/2021	16	237,096.83		1.76575
KY_RS	08/01/2021	17	233,492.22		1.7389
KY_RS	08/01/2021	18	247,691.65		1.84465
KY_RS	08/01/2021	19	246,123.82		1.83298
KY_RS	08/01/2021	20	236,037.43		1.75786
KY_RS	08/01/2021	21	226,323.95		1.68552
KY_RS	08/01/2021	22	214,787.93		1.59961
KY_RS	08/01/2021	23	192,400.35		1.43288
KY_RS	08/01/2021	24	163,209.87		1.21549
KY_RS	08/02/2021	1	137,003.76		1.02032
KY_RS	08/02/2021	2	118,317.78		0.88116
KY_RS	08/02/2021	3	106,106.89		0.79022
KY_RS	08/02/2021	4	98,790.39		0.73573
KY_RS	08/02/2021	5	95,133.79		0.7085
KY_RS	08/02/2021	6	96,025.07		0.71513
KY_RS	08/02/2021	7	101,349.90		0.75479
KY_RS	08/02/2021	8	107,724.51		0.80226
KY_RS	08/02/2021	9	114,403.37		0.852

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/02/2021	10	126,264.29		0.94034
KY_RS	08/02/2021	11	140,551.92		1.04674
KY_RS	08/02/2021	12	156,605.38		1.1663
KY_RS	08/02/2021	13	172,031.90		1.28119
KY_RS	08/02/2021	14	184,464.40		1.37378
KY_RS	08/02/2021	15	195,559.93		1.45641
KY_RS	08/02/2021	16	210,413.16		1.56703
KY_RS	08/02/2021	17	228,828.61		1.70417
KY_RS	08/02/2021	18	246,791.21		1.83795
KY_RS	08/02/2021	19	253,810.05		1.89022
KY_RS	08/02/2021	20	245,314.26		1.82695
KY_RS	08/02/2021	21	227,492.62		1.69422
KY_RS	08/02/2021	22	213,155.01		1.58745
KY_RS	08/02/2021	23	190,013.17		1.4151
KY_RS	08/02/2021	24	160,555.02		1.19571
KY_RS	08/03/2021	1	135,586.62		1.00976
KY_RS	08/03/2021	2	117,823.79		0.87748
KY_RS	08/03/2021	3	106,197.91		0.7909
KY_RS	08/03/2021	4	99,224.75		0.73896
KY_RS	08/03/2021	5	95,753.51		0.71311
KY_RS	08/03/2021	6	96,749.25		0.72053
KY_RS	08/03/2021	7	102,226.43		0.76132
KY_RS	08/03/2021	8	109,189.81		0.81318
KY_RS	08/03/2021	9	117,840.20		0.8776
KY_RS	08/03/2021	10	130,802.47		0.97414
KY_RS	08/03/2021	11	146,908.75		1.09408
KY_RS	08/03/2021	12	164,193.51		1.22281
KY_RS	08/03/2021	13	180,440.18		1.34381
KY_RS	08/03/2021	14	193,031.18		1.43758
KY_RS	08/03/2021	15	205,433.22		1.52994
KY_RS	08/03/2021	16	217,914.88		1.62289
KY_RS	08/03/2021	17	234,549.67		1.74678
KY_RS	08/03/2021	18	250,155.06		1.863
KY_RS	08/03/2021	19	253,170.96		1.88546
KY_RS	08/03/2021	20	243,781.67		1.81553
KY_RS	08/03/2021	21	228,034.79		1.69826
KY_RS	08/03/2021	22	214,458.14		1.59715
KY_RS	08/03/2021	23	192,415.80		1.43299
KY_RS	08/03/2021	24	163,496.91		1.21762
KY_RS	08/04/2021	1	138,714.15		1.03306
KY_RS	08/04/2021	2	120,259.43		0.89562
KY_RS	08/04/2021	3	108,736.64		0.8098
KY_RS	08/04/2021	4	101,206.14		0.75372
KY_RS	08/04/2021	5	97,151.25		0.72352
KY_RS	08/04/2021	6	97,940.13		0.7294
KY_RS	08/04/2021	7	103,475.61		0.77062
KY_RS	08/04/2021	8	110,266.01		0.82119

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/04/2021	9	118,821.43		0.88491
KY_RS	08/04/2021	10	131,260.19		0.97754
KY_RS	08/04/2021	11	178,093.00		1.32633
KY_RS	08/04/2021	12	164,195.05		1.22282
KY_RS	08/04/2021	13	182,802.87		1.3614
KY_RS	08/04/2021	14	195,267.40		1.45423
KY_RS	08/04/2021	15	208,073.60		1.5496
KY_RS	08/04/2021	16	222,057.72		1.65375
KY_RS	08/04/2021	17	232,299.35		1.73002
KY_RS	08/04/2021	18	240,235.52		1.78912
KY_RS	08/04/2021	19	246,826.22		1.83821
KY_RS	08/04/2021	20	237,977.75		1.77231
KY_RS	08/04/2021	21	228,604.35		1.7025
KY_RS	08/04/2021	22	221,801.78		1.65184
KY_RS	08/04/2021	23	203,006.08		1.51186
KY_RS	08/04/2021	24	175,300.33		1.30553
KY_RS	08/05/2021	1	148,934.39		1.10917
KY_RS	08/05/2021	2	128,865.34		0.95971
KY_RS	08/05/2021	3	115,581.91		0.86078
KY_RS	08/05/2021	4	107,415.85		0.79997
KY_RS	08/05/2021	5	103,106.09		0.76787
KY_RS	08/05/2021	6	103,274.66		0.76913
KY_RS	08/05/2021	7	108,666.46		0.80928
KY_RS	08/05/2021	8	115,787.78		0.86232
KY_RS	08/05/2021	9	126,156.16		0.93953
KY_RS	08/05/2021	10	143,610.55		1.06952
KY_RS	08/05/2021	11	165,222.42		1.23047
KY_RS	08/05/2021	12	189,194.63		1.409
KY_RS	08/05/2021	13	211,463.79		1.57485
KY_RS	08/05/2021	14	230,101.26		1.71365
KY_RS	08/05/2021	15	246,065.53		1.83254
KY_RS	08/05/2021	16	262,532.68		1.95518
KY_RS	08/05/2021	17	280,509.76		2.08906
KY_RS	08/05/2021	18	295,512.15		2.20079
KY_RS	08/05/2021	19	299,342.42		2.22932
KY_RS	08/05/2021	20	291,615.54		2.17177
KY_RS	08/05/2021	21	273,975.63		2.0404
KY_RS	08/05/2021	22	259,269.87		1.93088
KY_RS	08/05/2021	23	234,894.40		1.74935
KY_RS	08/05/2021	24	204,696.23		1.52445
KY_RS	08/06/2021	1	176,350.66		1.31335
KY_RS	08/06/2021	2	154,487.07		1.15052
KY_RS	08/06/2021	3	138,173.27		1.02903
KY_RS	08/06/2021	4	126,631.51		0.94307
KY_RS	08/06/2021	5	119,147.73		0.88734
KY_RS	08/06/2021	6	116,888.08		0.87051
KY_RS	08/06/2021	7	119,948.90		0.8933

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/06/2021	8	126,818.11		0.94446
KY_RS	08/06/2021	9	137,851.13		1.02663
KY_RS	08/06/2021	10	152,688.99		1.13713
KY_RS	08/06/2021	11	172,984.27		1.28828
KY_RS	08/06/2021	12	202,408.82		1.50741
KY_RS	08/06/2021	13	225,200.79		1.67715
KY_RS	08/06/2021	14	243,834.18		1.81592
KY_RS	08/06/2021	15	257,183.14		1.91534
KY_RS	08/06/2021	16	272,982.25		2.033
KY_RS	08/06/2021	17	287,009.04		2.13746
KY_RS	08/06/2021	18	290,807.24		2.16575
KY_RS	08/06/2021	19	282,481.57		2.10375
KY_RS	08/06/2021	20	268,256.76		1.99781
KY_RS	08/06/2021	21	253,446.75		1.88751
KY_RS	08/06/2021	22	243,013.50		1.80981
KY_RS	08/06/2021	23	226,213.14		1.68469
KY_RS	08/06/2021	24	203,990.29		1.51919
KY_RS	08/07/2021	1	180,771.49		1.34627
KY_RS	08/07/2021	2	160,619.52		1.19619
KY_RS	08/07/2021	3	145,753.26		1.08548
KY_RS	08/07/2021	4	135,642.82		1.01018
KY_RS	08/07/2021	5	128,438.45		0.95653
KY_RS	08/07/2021	6	124,491.89		0.92714
KY_RS	08/07/2021	7	123,525.89		0.91994
KY_RS	08/07/2021	8	130,217.77		0.96978
KY_RS	08/07/2021	9	148,510.46		1.10601
KY_RS	08/07/2021	10	171,945.61		1.28054
KY_RS	08/07/2021	11	203,044.26		1.51215
KY_RS	08/07/2021	12	221,356.22		1.64852
KY_RS	08/07/2021	13	245,671.95		1.82961
KY_RS	08/07/2021	14	264,833.17		1.97231
KY_RS	08/07/2021	15	280,998.56		2.0927
KY_RS	08/07/2021	16	296,441.75		2.20771
KY_RS	08/07/2021	17	307,067.03		2.28684
KY_RS	08/07/2021	18	314,353.69		2.34111
KY_RS	08/07/2021	19	308,061.78		2.29425
KY_RS	08/07/2021	20	286,995.04		2.13736
KY_RS	08/07/2021	21	269,396.69		2.0063
KY_RS	08/07/2021	22	254,926.76		1.89854
KY_RS	08/07/2021	23	237,610.97		1.76958
KY_RS	08/07/2021	24	213,827.69		1.59246
KY_RS	08/08/2021	1	189,406.83		1.41058
KY_RS	08/08/2021	2	169,392.23		1.26153
KY_RS	08/08/2021	3	154,168.42		1.14815
KY_RS	08/08/2021	4	142,449.28		1.06087
KY_RS	08/08/2021	5	133,337.14		0.99301
KY_RS	08/08/2021	6	127,595.91		0.95025

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/08/2021	7	125,333.12		0.9334
KY_RS	08/08/2021	8	133,616.95		0.9951
KY_RS	08/08/2021	9	158,648.66		1.18152
KY_RS	08/08/2021	10	190,983.02		1.42232
KY_RS	08/08/2021	11	224,108.83		1.66902
KY_RS	08/08/2021	12	254,011.92		1.89172
KY_RS	08/08/2021	13	279,885.79		2.08441
KY_RS	08/08/2021	14	299,470.82		2.23027
KY_RS	08/08/2021	15	314,817.08		2.34456
KY_RS	08/08/2021	16	327,271.00		2.43731
KY_RS	08/08/2021	17	341,250.61		2.54142
KY_RS	08/08/2021	18	348,623.36		2.59633
KY_RS	08/08/2021	19	350,025.68		2.60677
KY_RS	08/08/2021	20	340,347.71		2.5347
KY_RS	08/08/2021	21	324,381.18		2.41579
KY_RS	08/08/2021	22	309,363.65		2.30395
KY_RS	08/08/2021	23	281,115.17		2.09357
KY_RS	08/08/2021	24	247,515.92		1.84334
KY_RS	08/09/2021	1	216,921.80		1.6155
KY_RS	08/09/2021	2	193,280.51		1.43943
KY_RS	08/09/2021	3	176,096.07		1.31145
KY_RS	08/09/2021	4	163,425.96		1.21709
KY_RS	08/09/2021	5	155,021.30		1.1545
KY_RS	08/09/2021	6	151,225.65		1.12623
KY_RS	08/09/2021	7	151,818.32		1.13065
KY_RS	08/09/2021	8	155,700.78		1.15956
KY_RS	08/09/2021	9	168,229.73		1.25287
KY_RS	08/09/2021	10	184,514.93		1.37415
KY_RS	08/09/2021	11	201,420.05		1.50005
KY_RS	08/09/2021	12	208,215.89		1.55066
KY_RS	08/09/2021	13	219,882.07		1.63754
KY_RS	08/09/2021	14	214,655.43		1.59862
KY_RS	08/09/2021	15	210,490.78		1.5676
KY_RS	08/09/2021	16	211,198.94		1.57288
KY_RS	08/09/2021	17	219,056.28		1.63139
KY_RS	08/09/2021	18	231,617.98		1.72495
KY_RS	08/09/2021	19	238,317.03		1.77484
KY_RS	08/09/2021	20	234,991.15		1.75007
KY_RS	08/09/2021	21	230,130.05		1.71387
KY_RS	08/09/2021	22	225,451.49		1.67902
KY_RS	08/09/2021	23	208,124.26		1.54998
KY_RS	08/09/2021	24	183,486.16		1.36649
KY_RS	08/10/2021	1	160,637.69		1.19633
KY_RS	08/10/2021	2	144,973.60		1.07967
KY_RS	08/10/2021	3	135,501.71		1.00913
KY_RS	08/10/2021	4	129,693.87		0.96588
KY_RS	08/10/2021	5	127,010.67		0.9459

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/10/2021	6	128,868.79		0.95973
KY_RS	08/10/2021	7	136,059.63		1.01329
KY_RS	08/10/2021	8	146,750.38		1.09291
KY_RS	08/10/2021	9	163,115.87		1.21479
KY_RS	08/10/2021	10	163,584.57		1.21828
KY_RS	08/10/2021	11	164,271.08		1.22339
KY_RS	08/10/2021	12	167,276.45		1.24577
KY_RS	08/10/2021	13	173,379.21		1.29122
KY_RS	08/10/2021	14	185,674.83		1.38279
KY_RS	08/10/2021	15	200,709.34		1.49476
KY_RS	08/10/2021	16	219,935.69		1.63794
KY_RS	08/10/2021	17	246,470.60		1.83556
KY_RS	08/10/2021	18	281,299.93		2.09495
KY_RS	08/10/2021	19	300,983.37		2.24154
KY_RS	08/10/2021	20	299,000.39		2.22677
KY_RS	08/10/2021	21	290,528.64		2.16368
KY_RS	08/10/2021	22	281,637.47		2.09746
KY_RS	08/10/2021	23	258,744.84		1.92697
KY_RS	08/10/2021	24	231,433.41		1.72357
KY_RS	08/11/2021	1	207,416.10		1.54471
KY_RS	08/11/2021	2	189,378.00		1.41037
KY_RS	08/11/2021	3	175,847.96		1.30961
KY_RS	08/11/2021	4	165,871.34		1.23531
KY_RS	08/11/2021	5	159,783.27		1.18997
KY_RS	08/11/2021	6	159,435.48		1.18738
KY_RS	08/11/2021	7	164,146.23		1.22246
KY_RS	08/11/2021	8	171,287.46		1.27564
KY_RS	08/11/2021	9	180,070.85		1.34106
KY_RS	08/11/2021	10	205,857.37		1.5331
KY_RS	08/11/2021	11	236,458.24		1.76099
KY_RS	08/11/2021	12	262,684.10		1.95631
KY_RS	08/11/2021	13	281,284.01		2.09483
KY_RS	08/11/2021	14	297,762.88		2.21755
KY_RS	08/11/2021	15	316,219.04		2.355
KY_RS	08/11/2021	16	330,693.71		2.4628
KY_RS	08/11/2021	17	345,116.78		2.57021
KY_RS	08/11/2021	18	358,803.06		2.67214
KY_RS	08/11/2021	19	361,904.86		2.69524
KY_RS	08/11/2021	20	353,281.70		2.63102
KY_RS	08/11/2021	21	339,752.73		2.53027
KY_RS	08/11/2021	22	328,402.80		2.44574
KY_RS	08/11/2021	23	304,386.96		2.26688
KY_RS	08/11/2021	24	273,876.88		2.03966
KY_RS	08/12/2021	1	245,372.77		1.82738
KY_RS	08/12/2021	2	222,211.08		1.65489
KY_RS	08/12/2021	3	203,908.75		1.51859
KY_RS	08/12/2021	4	189,019.03		1.4077

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/12/2021	5	179,658.22		1.33798
KY_RS	08/12/2021	6	175,701.00		1.30851
KY_RS	08/12/2021	7	177,864.92		1.32463
KY_RS	08/12/2021	8	184,379.95		1.37315
KY_RS	08/12/2021	9	199,792.85		1.48793
KY_RS	08/12/2021	10	225,208.26		1.67721
KY_RS	08/12/2021	11	251,403.46		1.8723
KY_RS	08/12/2021	12	277,865.98		2.06937
KY_RS	08/12/2021	13	300,314.13		2.23655
KY_RS	08/12/2021	14	318,429.02		2.37146
KY_RS	08/12/2021	15	335,170.98		2.49614
KY_RS	08/12/2021	16	351,268.23		2.61603
KY_RS	08/12/2021	17	365,708.01		2.72357
KY_RS	08/12/2021	18	375,800.62		2.79873
KY_RS	08/12/2021	19	375,056.43		2.79319
KY_RS	08/12/2021	20	365,152.22		2.71943
KY_RS	08/12/2021	21	353,151.53		2.63005
KY_RS	08/12/2021	22	340,955.31		2.53922
KY_RS	08/12/2021	23	307,722.01		2.29172
KY_RS	08/12/2021	24	272,474.13		2.02922
KY_RS	08/13/2021	1	241,881.08		1.80138
KY_RS	08/13/2021	2	215,450.20		1.60454
KY_RS	08/13/2021	3	194,597.01		1.44924
KY_RS	08/13/2021	4	179,268.29		1.33508
KY_RS	08/13/2021	5	168,922.12		1.25803
KY_RS	08/13/2021	6	164,804.03		1.22736
KY_RS	08/13/2021	7	165,223.51		1.23048
KY_RS	08/13/2021	8	170,130.95		1.26703
KY_RS	08/13/2021	9	182,695.32		1.3606
KY_RS	08/13/2021	10	211,779.83		1.5772
KY_RS	08/13/2021	11	242,175.19		1.80357
KY_RS	08/13/2021	12	270,287.17		2.01293
KY_RS	08/13/2021	13	291,541.26		2.17122
KY_RS	08/13/2021	14	306,025.80		2.27909
KY_RS	08/13/2021	15	302,318.12		2.25148
KY_RS	08/13/2021	16	295,158.49		2.19816
KY_RS	08/13/2021	17	308,810.40		2.29983
KY_RS	08/13/2021	18	317,207.85		2.36237
KY_RS	08/13/2021	19	329,122.30		2.4511
KY_RS	08/13/2021	20	317,793.40		2.36673
KY_RS	08/13/2021	21	299,734.76		2.23224
KY_RS	08/13/2021	22	275,438.93		2.0513
KY_RS	08/13/2021	23	251,717.17		1.87463
KY_RS	08/13/2021	24	224,959.78		1.67536
KY_RS	08/14/2021	1	199,148.63		1.48313
KY_RS	08/14/2021	2	178,130.73		1.32661
KY_RS	08/14/2021	3	162,555.72		1.21061

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/14/2021	4	150,698.39		1.12231
KY_RS	08/14/2021	5	142,634.20		1.06225
KY_RS	08/14/2021	6	137,538.95		1.0243
KY_RS	08/14/2021	7	136,517.73		1.0167
KY_RS	08/14/2021	8	143,126.96		1.06592
KY_RS	08/14/2021	9	155,864.22		1.16078
KY_RS	08/14/2021	10	169,550.96		1.26271
KY_RS	08/14/2021	11	190,283.76		1.41711
KY_RS	08/14/2021	12	214,880.92		1.6003
KY_RS	08/14/2021	13	237,986.27		1.77237
KY_RS	08/14/2021	14	249,657.51		1.85929
KY_RS	08/14/2021	15	262,080.57		1.95181
KY_RS	08/14/2021	16	272,058.39		2.02612
KY_RS	08/14/2021	17	280,697.51		2.09046
KY_RS	08/14/2021	18	285,227.92		2.1242
KY_RS	08/14/2021	19	280,659.43		2.09018
KY_RS	08/14/2021	20	261,055.17		1.94418
KY_RS	08/14/2021	21	243,552.17		1.81382
KY_RS	08/14/2021	22	234,298.91		1.74491
KY_RS	08/14/2021	23	220,569.40		1.64266
KY_RS	08/14/2021	24	201,131.70		1.4979
KY_RS	08/15/2021	1	179,240.06		1.33487
KY_RS	08/15/2021	2	160,474.75		1.19512
KY_RS	08/15/2021	3	146,402.76		1.09032
KY_RS	08/15/2021	4	135,235.37		1.00715
KY_RS	08/15/2021	5	126,496.31		0.94207
KY_RS	08/15/2021	6	120,144.25		0.89476
KY_RS	08/15/2021	7	116,922.94		0.87077
KY_RS	08/15/2021	8	119,723.03		0.89162
KY_RS	08/15/2021	9	130,143.72		0.96923
KY_RS	08/15/2021	10	143,224.08		1.06664
KY_RS	08/15/2021	11	153,468.12		1.14293
KY_RS	08/15/2021	12	162,508.99		1.21027
KY_RS	08/15/2021	13	181,121.77		1.34888
KY_RS	08/15/2021	14	198,364.91		1.4773
KY_RS	08/15/2021	15	209,493.11		1.56017
KY_RS	08/15/2021	16	221,724.72		1.65127
KY_RS	08/15/2021	17	228,021.25		1.69816
KY_RS	08/15/2021	18	232,487.20		1.73142
KY_RS	08/15/2021	19	231,689.95		1.72548
KY_RS	08/15/2021	20	226,080.65		1.68371
KY_RS	08/15/2021	21	222,362.64		1.65602
KY_RS	08/15/2021	22	216,825.21		1.61478
KY_RS	08/15/2021	23	197,076.60		1.4677
KY_RS	08/15/2021	24	172,156.01		1.28211
KY_RS	08/16/2021	1	150,401.14		1.12009
KY_RS	08/16/2021	2	133,643.49		0.99529

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	08/16/2021	3	122,833.04	0.91478
KY_RS	08/16/2021	4	116,294.40	0.86609
KY_RS	08/16/2021	5	113,574.94	0.84584
KY_RS	08/16/2021	6	115,944.22	0.86348
KY_RS	08/16/2021	7	123,896.41	0.9227
KY_RS	08/16/2021	8	129,752.00	0.96631
KY_RS	08/16/2021	9	131,673.75	0.98062
KY_RS	08/16/2021	10	137,095.50	1.021
KY_RS	08/16/2021	11	145,426.49	1.08305
KY_RS	08/16/2021	12	159,970.68	1.19136
KY_RS	08/16/2021	13	173,903.80	1.29513
KY_RS	08/16/2021	14	184,813.12	1.37637
KY_RS	08/16/2021	15	204,169.17	1.52052
KY_RS	08/16/2021	16	223,523.66	1.66466
KY_RS	08/16/2021	17	237,671.07	1.77003
KY_RS	08/16/2021	18	250,694.13	1.86701
KY_RS	08/16/2021	19	253,402.35	1.88718
KY_RS	08/16/2021	20	253,129.58	1.88515
KY_RS	08/16/2021	21	247,708.54	1.84478
KY_RS	08/16/2021	22	238,612.08	1.77703
KY_RS	08/16/2021	23	216,779.07	1.61444
KY_RS	08/16/2021	24	188,882.88	1.40668
KY_RS	08/17/2021	1	165,196.21	1.23028
KY_RS	08/17/2021	2	148,399.36	1.10519
KY_RS	08/17/2021	3	137,072.87	1.02083
KY_RS	08/17/2021	4	129,462.87	0.96416
KY_RS	08/17/2021	5	124,876.90	0.93001
KY_RS	08/17/2021	6	126,177.34	0.93969
KY_RS	08/17/2021	7	133,961.54	0.99766
KY_RS	08/17/2021	8	140,573.50	1.0469
KY_RS	08/17/2021	9	143,451.99	1.06834
KY_RS	08/17/2021	10	150,163.92	1.11833
KY_RS	08/17/2021	11	166,289.29	1.23842
KY_RS	08/17/2021	12	190,351.00	1.41762
KY_RS	08/17/2021	13	213,185.64	1.58767
KY_RS	08/17/2021	14	234,283.37	1.7448
KY_RS	08/17/2021	15	253,876.94	1.89072
KY_RS	08/17/2021	16	270,753.95	2.01641
KY_RS	08/17/2021	17	276,134.49	2.05648
KY_RS	08/17/2021	18	279,417.65	2.08093
KY_RS	08/17/2021	19	278,856.84	2.07675
KY_RS	08/17/2021	20	272,395.03	2.02863
KY_RS	08/17/2021	21	267,740.34	1.99396
KY_RS	08/17/2021	22	258,973.38	1.92867
KY_RS	08/17/2021	23	234,629.83	1.74738
KY_RS	08/17/2021	24	202,922.73	1.51124
KY_RS	08/18/2021	1	176,528.84	1.31468

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/18/2021	2	158,328.74		1.17913
KY_RS	08/18/2021	3	145,008.75		1.07993
KY_RS	08/18/2021	4	136,471.82		1.01636
KY_RS	08/18/2021	5	131,191.60		0.97703
KY_RS	08/18/2021	6	133,119.86		0.99139
KY_RS	08/18/2021	7	143,238.88		1.06675
KY_RS	08/18/2021	8	145,936.98		1.08685
KY_RS	08/18/2021	9	151,185.51		1.12594
KY_RS	08/18/2021	10	172,655.49		1.28583
KY_RS	08/18/2021	11	193,985.24		1.44468
KY_RS	08/18/2021	12	212,604.94		1.58335
KY_RS	08/18/2021	13	235,987.83		1.75749
KY_RS	08/18/2021	14	256,298.13		1.90875
KY_RS	08/18/2021	15	274,072.08		2.04112
KY_RS	08/18/2021	16	292,919.16		2.18148
KY_RS	08/18/2021	17	314,647.10		2.3433
KY_RS	08/18/2021	18	327,220.84		2.43694
KY_RS	08/18/2021	19	328,188.10		2.44414
KY_RS	08/18/2021	20	316,343.18		2.35593
KY_RS	08/18/2021	21	307,574.38		2.29062
KY_RS	08/18/2021	22	295,589.28		2.20136
KY_RS	08/18/2021	23	270,456.83		2.01419
KY_RS	08/18/2021	24	241,206.61		1.79636
KY_RS	08/19/2021	1	215,691.51		1.60634
KY_RS	08/19/2021	2	195,762.99		1.45792
KY_RS	08/19/2021	3	181,079.05		1.34856
KY_RS	08/19/2021	4	170,517.69		1.26991
KY_RS	08/19/2021	5	163,628.65		1.2186
KY_RS	08/19/2021	6	162,448.39		1.20981
KY_RS	08/19/2021	7	169,906.18		1.26536
KY_RS	08/19/2021	8	171,921.15		1.28036
KY_RS	08/19/2021	9	165,979.75		1.23611
KY_RS	08/19/2021	10	163,429.40		1.21712
KY_RS	08/19/2021	11	163,894.80		1.22059
KY_RS	08/19/2021	12	170,174.49		1.26735
KY_RS	08/19/2021	13	189,500.89		1.41128
KY_RS	08/19/2021	14	217,307.04		1.61837
KY_RS	08/19/2021	15	240,697.49		1.79256
KY_RS	08/19/2021	16	264,382.56		1.96896
KY_RS	08/19/2021	17	286,211.87		2.13153
KY_RS	08/19/2021	18	304,638.60		2.26876
KY_RS	08/19/2021	19	306,837.49		2.28513
KY_RS	08/19/2021	20	295,137.76		2.198
KY_RS	08/19/2021	21	282,353.33		2.10279
KY_RS	08/19/2021	22	269,271.55		2.00537
KY_RS	08/19/2021	23	242,617.60		1.80686
KY_RS	08/19/2021	24	209,853.53		1.56286

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/20/2021	1	181,587.33		1.35235
KY_RS	08/20/2021	2	160,412.66		1.19465
KY_RS	08/20/2021	3	145,267.75		1.08186
KY_RS	08/20/2021	4	134,835.98		1.00417
KY_RS	08/20/2021	5	128,331.54		0.95573
KY_RS	08/20/2021	6	128,734.48		0.95873
KY_RS	08/20/2021	7	137,612.55		1.02485
KY_RS	08/20/2021	8	142,599.14		1.06199
KY_RS	08/20/2021	9	152,286.14		1.13413
KY_RS	08/20/2021	10	173,868.76		1.29487
KY_RS	08/20/2021	11	198,442.85		1.47788
KY_RS	08/20/2021	12	222,916.52		1.66014
KY_RS	08/20/2021	13	244,539.82		1.82118
KY_RS	08/20/2021	14	261,016.16		1.94389
KY_RS	08/20/2021	15	277,372.01		2.06569
KY_RS	08/20/2021	16	294,971.67		2.19677
KY_RS	08/20/2021	17	310,243.16		2.3105
KY_RS	08/20/2021	18	318,325.73		2.37069
KY_RS	08/20/2021	19	312,390.07		2.32649
KY_RS	08/20/2021	20	294,527.32		2.19346
KY_RS	08/20/2021	21	278,545.85		2.07444
KY_RS	08/20/2021	22	266,004.63		1.98104
KY_RS	08/20/2021	23	246,562.01		1.83624
KY_RS	08/20/2021	24	221,466.23		1.64934
KY_RS	08/21/2021	1	195,747.85		1.45781
KY_RS	08/21/2021	2	173,576.98		1.29269
KY_RS	08/21/2021	3	156,878.54		1.16833
KY_RS	08/21/2021	4	144,191.19		1.07385
KY_RS	08/21/2021	5	134,902.91		1.00467
KY_RS	08/21/2021	6	129,089.81		0.96138
KY_RS	08/21/2021	7	126,788.03		0.94424
KY_RS	08/21/2021	8	133,948.92		0.99757
KY_RS	08/21/2021	9	158,269.16		1.17869
KY_RS	08/21/2021	10	190,099.46		1.41574
KY_RS	08/21/2021	11	220,972.57		1.64567
KY_RS	08/21/2021	12	246,935.78		1.83902
KY_RS	08/21/2021	13	269,308.00		2.00564
KY_RS	08/21/2021	14	287,189.23		2.13881
KY_RS	08/21/2021	15	302,677.14		2.25415
KY_RS	08/21/2021	16	316,317.32		2.35573
KY_RS	08/21/2021	17	321,734.20		2.39608
KY_RS	08/21/2021	18	326,336.76		2.43035
KY_RS	08/21/2021	19	322,727.82		2.40348
KY_RS	08/21/2021	20	305,843.93		2.27773
KY_RS	08/21/2021	21	288,690.40		2.14999
KY_RS	08/21/2021	22	275,519.76		2.0519
KY_RS	08/21/2021	23	255,656.54		1.90397

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/21/2021	24	228,935.60		1.70497
KY_RS	08/22/2021	1	203,636.96		1.51656
KY_RS	08/22/2021	2	181,350.53		1.35059
KY_RS	08/22/2021	3	163,675.46		1.21895
KY_RS	08/22/2021	4	150,797.34		1.12304
KY_RS	08/22/2021	5	141,109.45		1.0509
KY_RS	08/22/2021	6	134,361.80		1.00064
KY_RS	08/22/2021	7	131,030.67		0.97583
KY_RS	08/22/2021	8	137,118.53		1.02117
KY_RS	08/22/2021	9	162,767.19		1.21219
KY_RS	08/22/2021	10	199,112.84		1.48287
KY_RS	08/22/2021	11	235,938.47		1.75712
KY_RS	08/22/2021	12	267,535.76		1.99244
KY_RS	08/22/2021	13	293,098.80		2.18282
KY_RS	08/22/2021	14	311,853.04		2.32249
KY_RS	08/22/2021	15	325,439.49		2.42367
KY_RS	08/22/2021	16	336,175.68		2.50363
KY_RS	08/22/2021	17	344,129.77		2.56286
KY_RS	08/22/2021	18	353,492.68		2.63259
KY_RS	08/22/2021	19	354,337.51		2.63888
KY_RS	08/22/2021	20	347,241.87		2.58604
KY_RS	08/22/2021	21	332,841.21		2.47879
KY_RS	08/22/2021	22	313,966.39		2.33823
KY_RS	08/22/2021	23	280,902.71		2.09199
KY_RS	08/22/2021	24	244,681.68		1.82224
KY_RS	08/23/2021	1	213,808.70		1.59231
KY_RS	08/23/2021	2	191,126.85		1.42339
KY_RS	08/23/2021	3	174,056.14		1.29626
KY_RS	08/23/2021	4	161,489.64		1.20267
KY_RS	08/23/2021	5	153,141.28		1.1405
KY_RS	08/23/2021	6	151,487.34		1.12818
KY_RS	08/23/2021	7	158,032.55		1.17693
KY_RS	08/23/2021	8	161,049.19		1.19939
KY_RS	08/23/2021	9	169,459.61		1.26203
KY_RS	08/23/2021	10	193,128.91		1.4383
KY_RS	08/23/2021	11	223,616.77		1.66536
KY_RS	08/23/2021	12	256,064.66		1.90701
KY_RS	08/23/2021	13	282,708.38		2.10544
KY_RS	08/23/2021	14	301,383.11		2.24451
KY_RS	08/23/2021	15	317,536.65		2.36481
KY_RS	08/23/2021	16	334,588.90		2.49181
KY_RS	08/23/2021	17	353,698.81		2.63413
KY_RS	08/23/2021	18	369,333.05		2.75056
KY_RS	08/23/2021	19	369,172.08		2.74936
KY_RS	08/23/2021	20	355,295.40		2.64602
KY_RS	08/23/2021	21	342,298.36		2.54922
KY_RS	08/23/2021	22	324,940.11		2.41995

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/23/2021	23	293,499.58		2.1858
KY_RS	08/23/2021	24	260,019.47		1.93646
KY_RS	08/24/2021	1	231,251.39		1.72222
KY_RS	08/24/2021	2	208,877.12		1.55559
KY_RS	08/24/2021	3	191,480.12		1.42602
KY_RS	08/24/2021	4	179,567.97		1.33731
KY_RS	08/24/2021	5	170,357.02		1.26871
KY_RS	08/24/2021	6	167,781.00		1.24953
KY_RS	08/24/2021	7	173,012.23		1.28849
KY_RS	08/24/2021	8	174,485.73		1.29946
KY_RS	08/24/2021	9	182,852.68		1.36177
KY_RS	08/24/2021	10	206,942.39		1.54118
KY_RS	08/24/2021	11	236,228.48		1.75928
KY_RS	08/24/2021	12	264,104.39		1.96688
KY_RS	08/24/2021	13	288,278.94		2.14692
KY_RS	08/24/2021	14	307,325.48		2.28877
KY_RS	08/24/2021	15	323,747.74		2.41107
KY_RS	08/24/2021	16	342,308.06		2.5493
KY_RS	08/24/2021	17	359,932.99		2.68056
KY_RS	08/24/2021	18	373,727.70		2.78329
KY_RS	08/24/2021	19	377,202.47		2.80917
KY_RS	08/24/2021	20	366,662.55		2.73067
KY_RS	08/24/2021	21	352,754.68		2.6271
KY_RS	08/24/2021	22	335,725.99		2.50028
KY_RS	08/24/2021	23	305,142.16		2.27251
KY_RS	08/24/2021	24	270,613.73		2.01536
KY_RS	08/25/2021	1	241,079.07		1.79541
KY_RS	08/25/2021	2	218,897.74		1.63021
KY_RS	08/25/2021	3	202,832.67		1.51057
KY_RS	08/25/2021	4	190,891.49		1.42164
KY_RS	08/25/2021	5	182,508.19		1.35921
KY_RS	08/25/2021	6	180,814.22		1.34659
KY_RS	08/25/2021	7	186,903.77		1.39194
KY_RS	08/25/2021	8	188,341.83		1.40265
KY_RS	08/25/2021	9	194,379.30		1.44762
KY_RS	08/25/2021	10	205,882.83		1.53329
KY_RS	08/25/2021	11	219,340.26		1.63351
KY_RS	08/25/2021	12	234,749.27		1.74827
KY_RS	08/25/2021	13	226,960.90		1.69026
KY_RS	08/25/2021	14	213,416.14		1.58939
KY_RS	08/25/2021	15	215,915.30		1.608
KY_RS	08/25/2021	16	235,648.74		1.75496
KY_RS	08/25/2021	17	257,354.96		1.91662
KY_RS	08/25/2021	18	281,626.34		2.09738
KY_RS	08/25/2021	19	289,150.55		2.15341
KY_RS	08/25/2021	20	287,135.83		2.13841
KY_RS	08/25/2021	21	276,145.36		2.05656

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/25/2021	22	263,879.20		1.96521
KY_RS	08/25/2021	23	236,952.65		1.76468
KY_RS	08/25/2021	24	207,277.48		1.54367
KY_RS	08/26/2021	1	181,229.85		1.34969
KY_RS	08/26/2021	2	163,287.31		1.21606
KY_RS	08/26/2021	3	150,518.49		1.12097
KY_RS	08/26/2021	4	142,414.92		1.06062
KY_RS	08/26/2021	5	137,347.92		1.02288
KY_RS	08/26/2021	6	139,304.18		1.03745
KY_RS	08/26/2021	7	149,354.99		1.1123
KY_RS	08/26/2021	8	154,077.51		1.14747
KY_RS	08/26/2021	9	163,005.46		1.21396
KY_RS	08/26/2021	10	184,472.66		1.37384
KY_RS	08/26/2021	11	211,734.97		1.57687
KY_RS	08/26/2021	12	241,386.33		1.79769
KY_RS	08/26/2021	13	268,754.02		2.00151
KY_RS	08/26/2021	14	290,689.91		2.16488
KY_RS	08/26/2021	15	309,904.42		2.30797
KY_RS	08/26/2021	16	330,795.42		2.46356
KY_RS	08/26/2021	17	326,277.22		2.42991
KY_RS	08/26/2021	18	304,832.52		2.2702
KY_RS	08/26/2021	19	292,679.66		2.1797
KY_RS	08/26/2021	20	279,915.95		2.08464
KY_RS	08/26/2021	21	271,508.65		2.02203
KY_RS	08/26/2021	22	260,013.54		1.93642
KY_RS	08/26/2021	23	234,983.23		1.75001
KY_RS	08/26/2021	24	204,716.43		1.5246
KY_RS	08/27/2021	1	179,014.29		1.33319
KY_RS	08/27/2021	2	160,582.71		1.19592
KY_RS	08/27/2021	3	147,981.27		1.10207
KY_RS	08/27/2021	4	138,734.51		1.03321
KY_RS	08/27/2021	5	132,765.84		0.98876
KY_RS	08/27/2021	6	133,337.02		0.99301
KY_RS	08/27/2021	7	143,134.95		1.06598
KY_RS	08/27/2021	8	148,977.40		1.10949
KY_RS	08/27/2021	9	156,340.49		1.16433
KY_RS	08/27/2021	10	178,577.45		1.32993
KY_RS	08/27/2021	11	206,140.43		1.53521
KY_RS	08/27/2021	12	237,198.71		1.76651
KY_RS	08/27/2021	13	267,707.37		1.99372
KY_RS	08/27/2021	14	290,313.42		2.16207
KY_RS	08/27/2021	15	304,276.97		2.26607
KY_RS	08/27/2021	16	317,335.26		2.36332
KY_RS	08/27/2021	17	321,105.37		2.39139
KY_RS	08/27/2021	18	300,678.17		2.23926
KY_RS	08/27/2021	19	274,034.84		2.04084
KY_RS	08/27/2021	20	258,131.70		1.9224

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/27/2021	21	245,257.34		1.82652
KY_RS	08/27/2021	22	232,603.11		1.73228
KY_RS	08/27/2021	23	215,621.04		1.60581
KY_RS	08/27/2021	24	195,820.11		1.45835
KY_RS	08/28/2021	1	176,464.61		1.3142
KY_RS	08/28/2021	2	160,010.79		1.19166
KY_RS	08/28/2021	3	147,991.27		1.10215
KY_RS	08/28/2021	4	139,416.19		1.03828
KY_RS	08/28/2021	5	133,050.54		0.99088
KY_RS	08/28/2021	6	129,219.65		0.96235
KY_RS	08/28/2021	7	128,934.41		0.96022
KY_RS	08/28/2021	8	137,250.54		1.02216
KY_RS	08/28/2021	9	154,879.86		1.15345
KY_RS	08/28/2021	10	188,337.02		1.40262
KY_RS	08/28/2021	11	222,929.32		1.66024
KY_RS	08/28/2021	12	255,328.38		1.90153
KY_RS	08/28/2021	13	283,130.10		2.10858
KY_RS	08/28/2021	14	302,224.08		2.25078
KY_RS	08/28/2021	15	318,683.98		2.37336
KY_RS	08/28/2021	16	333,175.70		2.48128
KY_RS	08/28/2021	17	342,024.38		2.54718
KY_RS	08/28/2021	18	344,149.07		2.56301
KY_RS	08/28/2021	19	336,995.99		2.50974
KY_RS	08/28/2021	20	321,743.22		2.39614
KY_RS	08/28/2021	21	304,981.82		2.27131
KY_RS	08/28/2021	22	290,812.98		2.16579
KY_RS	08/28/2021	23	269,421.85		2.00649
KY_RS	08/28/2021	24	245,765.01		1.8303
KY_RS	08/29/2021	1	222,042.36		1.65363
KY_RS	08/29/2021	2	200,709.16		1.49476
KY_RS	08/29/2021	3	184,285.01		1.37244
KY_RS	08/29/2021	4	172,248.28		1.2828
KY_RS	08/29/2021	5	163,132.23		1.21491
KY_RS	08/29/2021	6	156,679.16		1.16685
KY_RS	08/29/2021	7	152,725.13		1.1374
KY_RS	08/29/2021	8	158,249.48		1.17854
KY_RS	08/29/2021	9	176,865.72		1.31719
KY_RS	08/29/2021	10	208,749.56		1.55464
KY_RS	08/29/2021	11	249,403.90		1.8574
KY_RS	08/29/2021	12	281,142.52		2.09377
KY_RS	08/29/2021	13	306,666.05		2.28386
KY_RS	08/29/2021	14	321,766.21		2.39631
KY_RS	08/29/2021	15	326,869.81		2.43432
KY_RS	08/29/2021	16	341,896.01		2.54623
KY_RS	08/29/2021	17	351,870.59		2.62051
KY_RS	08/29/2021	18	362,466.16		2.69942
KY_RS	08/29/2021	19	361,453.84		2.69188

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/29/2021	20	351,740.55		2.61954
KY_RS	08/29/2021	21	338,578.49		2.52152
KY_RS	08/29/2021	22	320,127.95		2.38411
KY_RS	08/29/2021	23	288,637.36		2.14959
KY_RS	08/29/2021	24	257,211.24		1.91555
KY_RS	08/30/2021	1	228,810.25		1.70404
KY_RS	08/30/2021	2	207,592.64		1.54602
KY_RS	08/30/2021	3	191,328.51		1.4249
KY_RS	08/30/2021	4	180,634.31		1.34525
KY_RS	08/30/2021	5	173,176.43		1.28971
KY_RS	08/30/2021	6	167,878.19		1.25025
KY_RS	08/30/2021	7	171,111.67		1.27433
KY_RS	08/30/2021	8	171,075.41		1.27406
KY_RS	08/30/2021	9	173,301.02		1.29064
KY_RS	08/30/2021	10	173,280.53		1.29049
KY_RS	08/30/2021	11	171,123.19		1.27442
KY_RS	08/30/2021	12	172,900.35		1.28765
KY_RS	08/30/2021	13	177,405.46		1.32121
KY_RS	08/30/2021	14	178,627.86		1.33031
KY_RS	08/30/2021	15	178,911.52		1.33242
KY_RS	08/30/2021	16	184,857.18		1.3767
KY_RS	08/30/2021	17	199,374.00		1.48481
KY_RS	08/30/2021	18	221,570.17		1.65012
KY_RS	08/30/2021	19	231,200.72		1.72184
KY_RS	08/30/2021	20	228,182.79		1.69936
KY_RS	08/30/2021	21	226,947.27		1.69016
KY_RS	08/30/2021	22	216,905.13		1.61537
KY_RS	08/30/2021	23	196,008.01		1.45975
KY_RS	08/30/2021	24	171,430.75		1.27671
KY_RS	08/31/2021	1	151,047.76		1.12491
KY_RS	08/31/2021	2	137,892.75		1.02694
KY_RS	08/31/2021	3	129,399.44		0.96369
KY_RS	08/31/2021	4	124,416.39		0.92658
KY_RS	08/31/2021	5	122,276.87		0.91064
KY_RS	08/31/2021	6	125,842.07		0.93719
KY_RS	08/31/2021	7	137,632.83		1.025
KY_RS	08/31/2021	8	143,600.31		1.06945
KY_RS	08/31/2021	9	141,772.37		1.05583
KY_RS	08/31/2021	10	143,250.95		1.06684
KY_RS	08/31/2021	11	147,690.09		1.0999
KY_RS	08/31/2021	12	156,583.10		1.16613
KY_RS	08/31/2021	13	171,538.75		1.27751
KY_RS	08/31/2021	14	181,414.51		1.35106
KY_RS	08/31/2021	15	185,976.64		1.38504
KY_RS	08/31/2021	16	194,738.93		1.45029
KY_RS	08/31/2021	17	200,665.29		1.49443
KY_RS	08/31/2021	18	207,597.47		1.54606

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	08/31/2021	19	211,012.57		1.57149
KY_RS	08/31/2021	20	209,313.50		1.55884
KY_RS	08/31/2021	21	208,135.31		1.55006
KY_RS	08/31/2021	22	200,199.60		1.49096
KY_RS	08/31/2021	23	180,985.25		1.34787
KY_RS	08/31/2021	24	158,775.63		1.18246
KY_RS	09/01/2021	1	140,219.11		1.04426
KY_RS	09/01/2021	2	127,709.14		0.9511
KY_RS	09/01/2021	3	119,700.05		0.89145
KY_RS	09/01/2021	4	115,113.76		0.8573
KY_RS	09/01/2021	5	113,539.36		0.84557
KY_RS	09/01/2021	6	117,250.74		0.87321
KY_RS	09/01/2021	7	126,723.92		0.94376
KY_RS	09/01/2021	8	129,982.54		0.96803
KY_RS	09/01/2021	9	130,904.18		0.97489
KY_RS	09/01/2021	10	144,006.88		1.07247
KY_RS	09/01/2021	11	158,103.91		1.17746
KY_RS	09/01/2021	12	169,978.03		1.26589
KY_RS	09/01/2021	13	186,353.22		1.38784
KY_RS	09/01/2021	14	196,650.72		1.46453
KY_RS	09/01/2021	15	206,641.28		1.53894
KY_RS	09/01/2021	16	222,270.96		1.65534
KY_RS	09/01/2021	17	240,468.20		1.79086
KY_RS	09/01/2021	18	253,967.36		1.89139
KY_RS	09/01/2021	19	253,581.57		1.88852
KY_RS	09/01/2021	20	241,667.90		1.79979
KY_RS	09/01/2021	21	230,560.87		1.71707
KY_RS	09/01/2021	22	216,796.79		1.61457
KY_RS	09/01/2021	23	189,460.73		1.41099
KY_RS	09/01/2021	24	159,354.36		1.18677
KY_RS	09/02/2021	1	134,310.75		1.00026
KY_RS	09/02/2021	2	116,738.47		0.8694
KY_RS	09/02/2021	3	105,402.96		0.78498
KY_RS	09/02/2021	4	98,435.28		0.73308
KY_RS	09/02/2021	5	95,193.22		0.70894
KY_RS	09/02/2021	6	97,629.81		0.72709
KY_RS	09/02/2021	7	107,709.13		0.80215
KY_RS	09/02/2021	8	112,457.28		0.83751
KY_RS	09/02/2021	9	114,374.93		0.85179
KY_RS	09/02/2021	10	123,260.42		0.91797
KY_RS	09/02/2021	11	134,521.49		1.00183
KY_RS	09/02/2021	12	147,114.67		1.09562
KY_RS	09/02/2021	13	160,211.91		1.19316
KY_RS	09/02/2021	14	172,572.61		1.28521
KY_RS	09/02/2021	15	186,491.68		1.38887
KY_RS	09/02/2021	16	205,711.39		1.53201
KY_RS	09/02/2021	17	222,882.50		1.65989

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	09/02/2021	18	245,339.17		1.82713
KY_RS	09/02/2021	19	245,227.94		1.8263
KY_RS	09/02/2021	20	228,537.24		1.702
KY_RS	09/02/2021	21	215,327.93		1.60363
KY_RS	09/02/2021	22	200,766.10		1.49518
KY_RS	09/02/2021	23	173,612.35		1.29296
KY_RS	09/02/2021	24	145,991.45		1.08725
KY_RS	09/03/2021	1	124,183.17		0.92484
KY_RS	09/03/2021	2	109,987.58		0.81912
KY_RS	09/03/2021	3	101,028.07		0.75239
KY_RS	09/03/2021	4	95,603.71		0.712
KY_RS	09/03/2021	5	93,130.99		0.69358
KY_RS	09/03/2021	6	95,368.75		0.71025
KY_RS	09/03/2021	7	105,345.75		0.78455
KY_RS	09/03/2021	8	110,191.38		0.82064
KY_RS	09/03/2021	9	112,423.23		0.83726
KY_RS	09/03/2021	10	121,178.21		0.90246
KY_RS	09/03/2021	11	132,146.91		0.98415
KY_RS	09/03/2021	12	144,809.75		1.07845
KY_RS	09/03/2021	13	158,511.06		1.18049
KY_RS	09/03/2021	14	170,943.98		1.27308
KY_RS	09/03/2021	15	183,621.27		1.3675
KY_RS	09/03/2021	16	201,699.23		1.50213
KY_RS	09/03/2021	17	221,364.05		1.64858
KY_RS	09/03/2021	18	230,034.45		1.71315
KY_RS	09/03/2021	19	218,437.22		1.62678
KY_RS	09/03/2021	20	200,943.11		1.4965
KY_RS	09/03/2021	21	194,018.09		1.44493
KY_RS	09/03/2021	22	185,891.53		1.3844
KY_RS	09/03/2021	23	172,551.18		1.28505
KY_RS	09/03/2021	24	153,200.52		1.14094
KY_RS	09/04/2021	1	135,198.43		1.00687
KY_RS	09/04/2021	2	121,153.82		0.90228
KY_RS	09/04/2021	3	110,957.36		0.82634
KY_RS	09/04/2021	4	104,403.70		0.77753
KY_RS	09/04/2021	5	100,185.07		0.74612
KY_RS	09/04/2021	6	98,760.64		0.73551
KY_RS	09/04/2021	7	99,426.60		0.74047
KY_RS	09/04/2021	8	106,468.68		0.79291
KY_RS	09/04/2021	9	121,189.77		0.90255
KY_RS	09/04/2021	10	138,725.26		1.03314
KY_RS	09/04/2021	11	151,044.22		1.12488
KY_RS	09/04/2021	12	165,239.24		1.2306
KY_RS	09/04/2021	13	192,904.68		1.43663
KY_RS	09/04/2021	14	210,579.72		1.56827
KY_RS	09/04/2021	15	223,828.67		1.66694
KY_RS	09/04/2021	16	226,628.24		1.68779

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	09/04/2021	17	233,718.62		1.74059
KY_RS	09/04/2021	18	228,451.04		1.70136
KY_RS	09/04/2021	19	219,754.43		1.63659
KY_RS	09/04/2021	20	209,778.91		1.5623
KY_RS	09/04/2021	21	202,380.61		1.5072
KY_RS	09/04/2021	22	194,358.45		1.44746
KY_RS	09/04/2021	23	182,544.30		1.35948
KY_RS	09/04/2021	24	167,179.58		1.24505
KY_RS	09/05/2021	1	148,890.69		1.10884
KY_RS	09/05/2021	2	134,148.51		0.99905
KY_RS	09/05/2021	3	123,708.40		0.9213
KY_RS	09/05/2021	4	116,606.06		0.86841
KY_RS	09/05/2021	5	112,391.03		0.83702
KY_RS	09/05/2021	6	110,516.43		0.82306
KY_RS	09/05/2021	7	110,785.24		0.82506
KY_RS	09/05/2021	8	117,531.12		0.8753
KY_RS	09/05/2021	9	130,456.36		0.97156
KY_RS	09/05/2021	10	145,848.99		1.08619
KY_RS	09/05/2021	11	163,160.46		1.21512
KY_RS	09/05/2021	12	178,489.80		1.32928
KY_RS	09/05/2021	13	192,498.77		1.43361
KY_RS	09/05/2021	14	203,671.11		1.51682
KY_RS	09/05/2021	15	215,201.94		1.60269
KY_RS	09/05/2021	16	229,657.94		1.71035
KY_RS	09/05/2021	17	239,819.79		1.78603
KY_RS	09/05/2021	18	247,401.30		1.84249
KY_RS	09/05/2021	19	240,744.67		1.79292
KY_RS	09/05/2021	20	222,371.90		1.65609
KY_RS	09/05/2021	21	202,595.48		1.5088
KY_RS	09/05/2021	22	185,035.16		1.37803
KY_RS	09/05/2021	23	170,173.70		1.26735
KY_RS	09/05/2021	24	151,024.62		1.12474
KY_RS	09/06/2021	1	131,069.44		0.97612
KY_RS	09/06/2021	2	114,288.02		0.85115
KY_RS	09/06/2021	3	102,849.57		0.76596
KY_RS	09/06/2021	4	95,534.14		0.71148
KY_RS	09/06/2021	5	91,060.39		0.67816
KY_RS	09/06/2021	6	88,961.18		0.66253
KY_RS	09/06/2021	7	89,116.16		0.66368
KY_RS	09/06/2021	8	94,315.96		0.70241
KY_RS	09/06/2021	9	110,098.55		0.81995
KY_RS	09/06/2021	10	132,289.47		0.98521
KY_RS	09/06/2021	11	156,631.85		1.1665
KY_RS	09/06/2021	12	179,565.07		1.33729
KY_RS	09/06/2021	13	198,905.83		1.48133
KY_RS	09/06/2021	14	214,530.81		1.59769
KY_RS	09/06/2021	15	231,343.25		1.7229

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	09/06/2021	16	249,340.47		1.85693
KY_RS	09/06/2021	17	267,278.07		1.99052
KY_RS	09/06/2021	18	280,003.87		2.08529
KY_RS	09/06/2021	19	280,177.15		2.08658
KY_RS	09/06/2021	20	266,769.80		1.98674
KY_RS	09/06/2021	21	253,110.49		1.88501
KY_RS	09/06/2021	22	234,592.27		1.7471
KY_RS	09/06/2021	23	204,371.94		1.52203
KY_RS	09/06/2021	24	173,883.40		1.29498
KY_RS	09/07/2021	1	149,336.45		1.11216
KY_RS	09/07/2021	2	132,391.54		0.98597
KY_RS	09/07/2021	3	121,845.77		0.90743
KY_RS	09/07/2021	4	114,848.96		0.85532
KY_RS	09/07/2021	5	111,227.28		0.82835
KY_RS	09/07/2021	6	113,084.77		0.84218
KY_RS	09/07/2021	7	122,839.04		0.91483
KY_RS	09/07/2021	8	126,737.21		0.94386
KY_RS	09/07/2021	9	129,495.19		0.9644
KY_RS	09/07/2021	10	144,046.15		1.07277
KY_RS	09/07/2021	11	163,248.74		1.21577
KY_RS	09/07/2021	12	184,094.03		1.37102
KY_RS	09/07/2021	13	205,021.81		1.52687
KY_RS	09/07/2021	14	222,357.83		1.65598
KY_RS	09/07/2021	15	238,865.90		1.77892
KY_RS	09/07/2021	16	257,187.92		1.91538
KY_RS	09/07/2021	17	276,694.21		2.06065
KY_RS	09/07/2021	18	291,465.01		2.17065
KY_RS	09/07/2021	19	291,073.33		2.16773
KY_RS	09/07/2021	20	272,758.55		2.03134
KY_RS	09/07/2021	21	258,046.62		1.92177
KY_RS	09/07/2021	22	239,061.42		1.78038
KY_RS	09/07/2021	23	212,148.62		1.57995
KY_RS	09/07/2021	24	182,343.02		1.35798
KY_RS	09/08/2021	1	157,590.59		1.17364
KY_RS	09/08/2021	2	140,222.05		1.04429
KY_RS	09/08/2021	3	130,291.82		0.97033
KY_RS	09/08/2021	4	124,056.18		0.92389
KY_RS	09/08/2021	5	117,579.81		0.87566
KY_RS	09/08/2021	6	118,298.62		0.88101
KY_RS	09/08/2021	7	128,310.67		0.95558
KY_RS	09/08/2021	8	132,516.38		0.9869
KY_RS	09/08/2021	9	128,842.13		0.95954
KY_RS	09/08/2021	10	129,926.07		0.96761
KY_RS	09/08/2021	11	135,111.68		1.00623
KY_RS	09/08/2021	12	150,041.46		1.11742
KY_RS	09/08/2021	13	169,986.32		1.26595
KY_RS	09/08/2021	14	188,271.13		1.40213

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	09/08/2021	15	202,100.61		1.50512
KY_RS	09/08/2021	16	222,246.98		1.65516
KY_RS	09/08/2021	17	242,912.35		1.80906
KY_RS	09/08/2021	18	258,220.94		1.92307
KY_RS	09/08/2021	19	257,538.28		1.91798
KY_RS	09/08/2021	20	239,551.05		1.78403
KY_RS	09/08/2021	21	224,542.11		1.67225
KY_RS	09/08/2021	22	207,014.44		1.54171
KY_RS	09/08/2021	23	179,495.41		1.33677
KY_RS	09/08/2021	24	151,262.13		1.12651
KY_RS	09/09/2021	1	128,070.42		0.95379
KY_RS	09/09/2021	2	111,706.48		0.83192
KY_RS	09/09/2021	3	101,065.57		0.75267
KY_RS	09/09/2021	4	94,808.96		0.70608
KY_RS	09/09/2021	5	91,922.44		0.68458
KY_RS	09/09/2021	6	95,057.53		0.70793
KY_RS	09/09/2021	7	105,941.03		0.78898
KY_RS	09/09/2021	8	110,110.52		0.82003
KY_RS	09/09/2021	9	108,986.25		0.81166
KY_RS	09/09/2021	10	116,515.52		0.86773
KY_RS	09/09/2021	11	126,787.65		0.94424
KY_RS	09/09/2021	12	137,950.64		1.02737
KY_RS	09/09/2021	13	148,540.36		1.10624
KY_RS	09/09/2021	14	157,536.53		1.17323
KY_RS	09/09/2021	15	168,420.41		1.25429
KY_RS	09/09/2021	16	184,004.58		1.37035
KY_RS	09/09/2021	17	199,531.09		1.48598
KY_RS	09/09/2021	18	210,124.18		1.56487
KY_RS	09/09/2021	19	212,231.79		1.58057
KY_RS	09/09/2021	20	201,676.15		1.50196
KY_RS	09/09/2021	21	195,836.36		1.45847
KY_RS	09/09/2021	22	183,575.04		1.36715
KY_RS	09/09/2021	23	160,553.43		1.1957
KY_RS	09/09/2021	24	135,553.37		1.00952
KY_RS	09/10/2021	1	115,891.91		0.86309
KY_RS	09/10/2021	2	101,650.78		0.75703
KY_RS	09/10/2021	3	92,994.09		0.69256
KY_RS	09/10/2021	4	87,901.64		0.65464
KY_RS	09/10/2021	5	86,423.70		0.64363
KY_RS	09/10/2021	6	89,773.20		0.66857
KY_RS	09/10/2021	7	100,456.86		0.74814
KY_RS	09/10/2021	8	105,553.69		0.7861
KY_RS	09/10/2021	9	106,134.92		0.79043
KY_RS	09/10/2021	10	112,048.79		0.83447
KY_RS	09/10/2021	11	120,279.43		0.89577
KY_RS	09/10/2021	12	131,322.33		0.97801
KY_RS	09/10/2021	13	143,737.90		1.07047

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	09/10/2021	14	155,782.61	1.16017
KY_RS	09/10/2021	15	168,191.09	1.25258
KY_RS	09/10/2021	16	185,694.22	1.38293
KY_RS	09/10/2021	17	201,787.21	1.50279
KY_RS	09/10/2021	18	210,149.14	1.56506
KY_RS	09/10/2021	19	207,071.26	1.54214
KY_RS	09/10/2021	20	192,405.21	1.43291
KY_RS	09/10/2021	21	181,440.03	1.35125
KY_RS	09/10/2021	22	170,889.88	1.27268
KY_RS	09/10/2021	23	156,796.52	1.16772
KY_RS	09/10/2021	24	140,668.06	1.04761
KY_RS	09/11/2021	1	119,262.12	0.88819
KY_RS	09/11/2021	2	105,036.20	0.78224
KY_RS	09/11/2021	3	95,962.14	0.71467
KY_RS	09/11/2021	4	89,860.81	0.66923
KY_RS	09/11/2021	5	86,633.89	0.6452
KY_RS	09/11/2021	6	85,811.73	0.63907
KY_RS	09/11/2021	7	87,706.08	0.65318
KY_RS	09/11/2021	8	95,134.95	0.70851
KY_RS	09/11/2021	9	107,834.79	0.80309
KY_RS	09/11/2021	10	121,767.26	0.90685
KY_RS	09/11/2021	11	133,888.37	0.99712
KY_RS	09/11/2021	12	148,175.32	1.10352
KY_RS	09/11/2021	13	166,980.34	1.24357
KY_RS	09/11/2021	14	182,159.91	1.35661
KY_RS	09/11/2021	15	197,623.81	1.47178
KY_RS	09/11/2021	16	213,885.87	1.59289
KY_RS	09/11/2021	17	228,470.21	1.7015
KY_RS	09/11/2021	18	235,295.03	1.75233
KY_RS	09/11/2021	19	231,349.80	1.72295
KY_RS	09/11/2021	20	217,064.88	1.61656
KY_RS	09/11/2021	21	208,362.28	1.55175
KY_RS	09/11/2021	22	199,095.63	1.48274
KY_RS	09/11/2021	23	184,239.46	1.3721
KY_RS	09/11/2021	24	166,550.18	1.24036
KY_RS	09/12/2021	1	148,657.12	1.10711
KY_RS	09/12/2021	2	133,798.34	0.99645
KY_RS	09/12/2021	3	122,953.55	0.91568
KY_RS	09/12/2021	4	114,957.91	0.85613
KY_RS	09/12/2021	5	108,409.97	0.80737
KY_RS	09/12/2021	6	104,747.09	0.78009
KY_RS	09/12/2021	7	104,302.60	0.77678
KY_RS	09/12/2021	8	111,069.51	0.82718
KY_RS	09/12/2021	9	130,849.83	0.97449
KY_RS	09/12/2021	10	157,936.22	1.17621
KY_RS	09/12/2021	11	184,107.37	1.37112
KY_RS	09/12/2021	12	208,045.67	1.54939

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	09/12/2021	13	231,395.40		1.72329
KY_RS	09/12/2021	14	250,821.91		1.86797
KY_RS	09/12/2021	15	267,707.24		1.99372
KY_RS	09/12/2021	16	282,901.64		2.10687
KY_RS	09/12/2021	17	294,320.02		2.19191
KY_RS	09/12/2021	18	304,382.31		2.26685
KY_RS	09/12/2021	19	299,616.39		2.23136
KY_RS	09/12/2021	20	287,055.15		2.13781
KY_RS	09/12/2021	21	279,321.99		2.08022
KY_RS	09/12/2021	22	260,841.68		1.94259
KY_RS	09/12/2021	23	232,353.16		1.73042
KY_RS	09/12/2021	24	202,141.30		1.50542
KY_RS	09/13/2021	1	178,203.47		1.32715
KY_RS	09/13/2021	2	159,940.88		1.19114
KY_RS	09/13/2021	3	146,425.32		1.09048
KY_RS	09/13/2021	4	136,010.12		1.01292
KY_RS	09/13/2021	5	128,496.89		0.95696
KY_RS	09/13/2021	6	127,813.97		0.95188
KY_RS	09/13/2021	7	136,547.06		1.01692
KY_RS	09/13/2021	8	140,120.14		1.04353
KY_RS	09/13/2021	9	140,105.47		1.04342
KY_RS	09/13/2021	10	153,311.26		1.14177
KY_RS	09/13/2021	11	172,989.37		1.28832
KY_RS	09/13/2021	12	196,518.28		1.46355
KY_RS	09/13/2021	13	220,619.90		1.64304
KY_RS	09/13/2021	14	240,178.88		1.7887
KY_RS	09/13/2021	15	258,343.97		1.92398
KY_RS	09/13/2021	16	277,011.52		2.06301
KY_RS	09/13/2021	17	293,620.00		2.1867
KY_RS	09/13/2021	18	307,675.15		2.29137
KY_RS	09/13/2021	19	306,984.90		2.28623
KY_RS	09/13/2021	20	291,413.91		2.17027
KY_RS	09/13/2021	21	280,918.84		2.09211
KY_RS	09/13/2021	22	259,990.33		1.93625
KY_RS	09/13/2021	23	229,711.71		1.71075
KY_RS	09/13/2021	24	198,873.89		1.48109
KY_RS	09/14/2021	1	173,139.06		1.28943
KY_RS	09/14/2021	2	153,714.89		1.14477
KY_RS	09/14/2021	3	140,084.69		1.04326
KY_RS	09/14/2021	4	131,266.49		0.97759
KY_RS	09/14/2021	5	126,325.09		0.94079
KY_RS	09/14/2021	6	127,580.19		0.95014
KY_RS	09/14/2021	7	137,791.67		1.02619
KY_RS	09/14/2021	8	141,832.03		1.05628
KY_RS	09/14/2021	9	145,514.47		1.0837
KY_RS	09/14/2021	10	163,516.06		1.21777
KY_RS	09/14/2021	11	188,190.53		1.40153

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	09/14/2021	12	214,872.49		1.60024
KY_RS	09/14/2021	13	237,105.56		1.76581
KY_RS	09/14/2021	14	253,768.77		1.88991
KY_RS	09/14/2021	15	269,595.67		2.00778
KY_RS	09/14/2021	16	287,118.15		2.13828
KY_RS	09/14/2021	17	303,125.04		2.25749
KY_RS	09/14/2021	18	317,601.38		2.3653
KY_RS	09/14/2021	19	316,152.84		2.35451
KY_RS	09/14/2021	20	301,998.87		2.2491
KY_RS	09/14/2021	21	292,808.71		2.18066
KY_RS	09/14/2021	22	275,244.30		2.04985
KY_RS	09/14/2021	23	247,436.26		1.84275
KY_RS	09/14/2021	24	217,165.57		1.61731
KY_RS	09/15/2021	1	191,374.32		1.42524
KY_RS	09/15/2021	2	173,401.67		1.29139
KY_RS	09/15/2021	3	160,451.79		1.19494
KY_RS	09/15/2021	4	152,056.54		1.13242
KY_RS	09/15/2021	5	144,844.35		1.07871
KY_RS	09/15/2021	6	143,679.10		1.07003
KY_RS	09/15/2021	7	150,871.72		1.1236
KY_RS	09/15/2021	8	154,230.75		1.14861
KY_RS	09/15/2021	9	155,167.86		1.15559
KY_RS	09/15/2021	10	158,148.19		1.17779
KY_RS	09/15/2021	11	157,769.77		1.17497
KY_RS	09/15/2021	12	165,614.72		1.2334
KY_RS	09/15/2021	13	179,386.56		1.33596
KY_RS	09/15/2021	14	177,585.98		1.32255
KY_RS	09/15/2021	15	188,334.08		1.40259
KY_RS	09/15/2021	16	205,740.82		1.53223
KY_RS	09/15/2021	17	217,212.11		1.61766
KY_RS	09/15/2021	18	238,619.00		1.77709
KY_RS	09/15/2021	19	240,226.63		1.78906
KY_RS	09/15/2021	20	230,267.91		1.71489
KY_RS	09/15/2021	21	224,897.37		1.6749
KY_RS	09/15/2021	22	210,410.90		1.56701
KY_RS	09/15/2021	23	184,989.60		1.37769
KY_RS	09/15/2021	24	157,450.31		1.17259
KY_RS	09/16/2021	1	135,817.08		1.01148
KY_RS	09/16/2021	2	121,202.50		0.90264
KY_RS	09/16/2021	3	112,510.29		0.83791
KY_RS	09/16/2021	4	105,834.15		0.78819
KY_RS	09/16/2021	5	103,088.08		0.76774
KY_RS	09/16/2021	6	107,550.77		0.80097
KY_RS	09/16/2021	7	120,215.02		0.89529
KY_RS	09/16/2021	8	126,787.21		0.94423
KY_RS	09/16/2021	9	125,454.71		0.93431
KY_RS	09/16/2021	10	128,648.78		0.9581

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	09/16/2021	11	137,325.99	1.02272
KY_RS	09/16/2021	12	153,476.24	1.143
KY_RS	09/16/2021	13	172,150.72	1.28207
KY_RS	09/16/2021	14	189,071.06	1.40808
KY_RS	09/16/2021	15	199,702.31	1.48726
KY_RS	09/16/2021	16	218,338.89	1.62605
KY_RS	09/16/2021	17	240,330.88	1.78983
KY_RS	09/16/2021	18	257,702.02	1.9192
KY_RS	09/16/2021	19	259,441.78	1.93216
KY_RS	09/16/2021	20	246,713.51	1.83737
KY_RS	09/16/2021	21	239,837.86	1.78616
KY_RS	09/16/2021	22	224,341.45	1.67076
KY_RS	09/16/2021	23	198,865.11	1.48102
KY_RS	09/16/2021	24	170,320.20	1.26844
KY_RS	09/17/2021	1	145,696.07	1.08505
KY_RS	09/17/2021	2	128,069.07	0.95378
KY_RS	09/17/2021	3	116,310.37	0.86621
KY_RS	09/17/2021	4	109,287.58	0.81391
KY_RS	09/17/2021	5	105,612.73	0.78654
KY_RS	09/17/2021	6	107,907.59	0.80363
KY_RS	09/17/2021	7	118,508.93	0.88258
KY_RS	09/17/2021	8	124,829.57	0.92965
KY_RS	09/17/2021	9	128,957.46	0.96039
KY_RS	09/17/2021	10	144,469.01	1.07592
KY_RS	09/17/2021	11	165,328.80	1.23127
KY_RS	09/17/2021	12	190,024.89	1.41519
KY_RS	09/17/2021	13	212,480.88	1.58243
KY_RS	09/17/2021	14	225,452.34	1.67903
KY_RS	09/17/2021	15	235,451.50	1.7535
KY_RS	09/17/2021	16	252,610.51	1.88129
KY_RS	09/17/2021	17	264,004.13	1.96614
KY_RS	09/17/2021	18	263,622.48	1.9633
KY_RS	09/17/2021	19	268,264.69	1.99787
KY_RS	09/17/2021	20	251,687.25	1.87441
KY_RS	09/17/2021	21	239,872.74	1.78642
KY_RS	09/17/2021	22	226,643.30	1.6879
KY_RS	09/17/2021	23	209,392.84	1.55943
KY_RS	09/17/2021	24	187,919.53	1.39951
KY_RS	09/18/2021	1	165,016.83	1.22894
KY_RS	09/18/2021	2	146,642.34	1.0921
KY_RS	09/18/2021	3	133,582.80	0.99484
KY_RS	09/18/2021	4	123,850.02	0.92236
KY_RS	09/18/2021	5	117,523.15	0.87524
KY_RS	09/18/2021	6	114,244.12	0.85082
KY_RS	09/18/2021	7	114,510.39	0.8528
KY_RS	09/18/2021	8	121,290.44	0.9033
KY_RS	09/18/2021	9	141,072.34	1.05062

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	09/18/2021	10	171,968.90		1.28072
KY_RS	09/18/2021	11	202,758.15		1.51002
KY_RS	09/18/2021	12	232,904.93		1.73453
KY_RS	09/18/2021	13	256,523.46		1.91043
KY_RS	09/18/2021	14	273,956.48		2.04026
KY_RS	09/18/2021	15	291,163.97		2.16841
KY_RS	09/18/2021	16	305,653.77		2.27632
KY_RS	09/18/2021	17	302,475.77		2.25265
KY_RS	09/18/2021	18	296,372.87		2.2072
KY_RS	09/18/2021	19	285,335.17		2.125
KY_RS	09/18/2021	20	269,898.17		2.01003
KY_RS	09/18/2021	21	257,973.58		1.92123
KY_RS	09/18/2021	22	243,268.49		1.81171
KY_RS	09/18/2021	23	223,860.74		1.66718
KY_RS	09/18/2021	24	201,567.98		1.50115
KY_RS	09/19/2021	1	178,284.83		1.32775
KY_RS	09/19/2021	2	158,411.73		1.17975
KY_RS	09/19/2021	3	142,970.72		1.06476
KY_RS	09/19/2021	4	131,634.11		0.98033
KY_RS	09/19/2021	5	123,868.98		0.9225
KY_RS	09/19/2021	6	118,918.00		0.88563
KY_RS	09/19/2021	7	117,195.19		0.8728
KY_RS	09/19/2021	8	122,731.95		0.91403
KY_RS	09/19/2021	9	141,591.52		1.05449
KY_RS	09/19/2021	10	165,890.50		1.23545
KY_RS	09/19/2021	11	194,601.72		1.44927
KY_RS	09/19/2021	12	229,617.41		1.71005
KY_RS	09/19/2021	13	252,645.80		1.88155
KY_RS	09/19/2021	14	275,756.33		2.05366
KY_RS	09/19/2021	15	281,266.06		2.09469
KY_RS	09/19/2021	16	293,124.59		2.18301
KY_RS	09/19/2021	17	290,993.99		2.16714
KY_RS	09/19/2021	18	286,764.47		2.13564
KY_RS	09/19/2021	19	281,713.45		2.09803
KY_RS	09/19/2021	20	274,227.56		2.04228
KY_RS	09/19/2021	21	269,305.53		2.00562
KY_RS	09/19/2021	22	251,169.12		1.87055
KY_RS	09/19/2021	23	224,259.18		1.67014
KY_RS	09/19/2021	24	195,427.36		1.45542
KY_RS	09/20/2021	1	170,663.29		1.27099
KY_RS	09/20/2021	2	152,509.97		1.1358
KY_RS	09/20/2021	3	140,182.63		1.04399
KY_RS	09/20/2021	4	132,405.19		0.98607
KY_RS	09/20/2021	5	128,631.99		0.95797
KY_RS	09/20/2021	6	130,942.73		0.97518
KY_RS	09/20/2021	7	141,518.79		1.05394
KY_RS	09/20/2021	8	146,607.20		1.09184

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	09/20/2021	9	143,126.81		1.06592
KY_RS	09/20/2021	10	144,453.12		1.0758
KY_RS	09/20/2021	11	152,032.75		1.13225
KY_RS	09/20/2021	12	160,366.84		1.19431
KY_RS	09/20/2021	13	168,871.94		1.25765
KY_RS	09/20/2021	14	168,616.62		1.25575
KY_RS	09/20/2021	15	165,550.03		1.23291
KY_RS	09/20/2021	16	171,953.93		1.28061
KY_RS	09/20/2021	17	183,854.69		1.36924
KY_RS	09/20/2021	18	199,507.52		1.48581
KY_RS	09/20/2021	19	203,773.41		1.51758
KY_RS	09/20/2021	20	202,212.67		1.50595
KY_RS	09/20/2021	21	200,595.07		1.49391
KY_RS	09/20/2021	22	188,619.44		1.40472
KY_RS	09/20/2021	23	168,486.59		1.25478
KY_RS	09/20/2021	24	146,058.66		1.08775
KY_RS	09/21/2021	1	127,446.06		0.94914
KY_RS	09/21/2021	2	114,230.09		0.85071
KY_RS	09/21/2021	3	105,877.89		0.78851
KY_RS	09/21/2021	4	101,444.23		0.75549
KY_RS	09/21/2021	5	100,578.06		0.74904
KY_RS	09/21/2021	6	105,471.57		0.78549
KY_RS	09/21/2021	7	118,907.47		0.88555
KY_RS	09/21/2021	8	125,108.67		0.93173
KY_RS	09/21/2021	9	122,896.30		0.91525
KY_RS	09/21/2021	10	124,149.89		0.92459
KY_RS	09/21/2021	11	127,243.78		0.94763
KY_RS	09/21/2021	12	132,326.20		0.98548
KY_RS	09/21/2021	13	138,121.31		1.02864
KY_RS	09/21/2021	14	141,166.45		1.05132
KY_RS	09/21/2021	15	146,455.02		1.09071
KY_RS	09/21/2021	16	156,443.09		1.16509
KY_RS	09/21/2021	17	169,591.56		1.26301
KY_RS	09/21/2021	18	185,547.47		1.38184
KY_RS	09/21/2021	19	193,121.97		1.43825
KY_RS	09/21/2021	20	196,435.89		1.46293
KY_RS	09/21/2021	21	197,767.60		1.47285
KY_RS	09/21/2021	22	187,563.18		1.39685
KY_RS	09/21/2021	23	170,403.18		1.26906
KY_RS	09/21/2021	24	149,490.15		1.11331
KY_RS	09/22/2021	1	131,570.98		0.97986
KY_RS	09/22/2021	2	119,490.20		0.88989
KY_RS	09/22/2021	3	112,386.05		0.83698
KY_RS	09/22/2021	4	105,610.07		0.78652
KY_RS	09/22/2021	5	99,266.46		0.73927
KY_RS	09/22/2021	6	100,446.83		0.74807
KY_RS	09/22/2021	7	109,852.67		0.81811

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	09/22/2021	8	112,333.15		0.83659
KY_RS	09/22/2021	9	108,749.14		0.8099
KY_RS	09/22/2021	10	108,197.31		0.80579
KY_RS	09/22/2021	11	108,414.02		0.8074
KY_RS	09/22/2021	12	110,183.75		0.82058
KY_RS	09/22/2021	13	111,588.50		0.83104
KY_RS	09/22/2021	14	111,021.00		0.82682
KY_RS	09/22/2021	15	110,937.75		0.8262
KY_RS	09/22/2021	16	115,709.02		0.86173
KY_RS	09/22/2021	17	124,356.08		0.92613
KY_RS	09/22/2021	18	135,497.52		1.0091
KY_RS	09/22/2021	19	140,557.43		1.04678
KY_RS	09/22/2021	20	142,911.62		1.06432
KY_RS	09/22/2021	21	142,237.88		1.0593
KY_RS	09/22/2021	22	132,688.45		0.98818
KY_RS	09/22/2021	23	117,938.03		0.87833
KY_RS	09/22/2021	24	101,518.28		0.75604
KY_RS	09/23/2021	1	89,126.83		0.66376
KY_RS	09/23/2021	2	81,630.00		0.60793
KY_RS	09/23/2021	3	77,655.91		0.57833
KY_RS	09/23/2021	4	75,807.38		0.56457
KY_RS	09/23/2021	5	76,479.71		0.56957
KY_RS	09/23/2021	6	82,773.61		0.61645
KY_RS	09/23/2021	7	96,305.67		0.71722
KY_RS	09/23/2021	8	102,484.03		0.76324
KY_RS	09/23/2021	9	100,697.23		0.74993
KY_RS	09/23/2021	10	100,974.60		0.752
KY_RS	09/23/2021	11	101,878.06		0.75872
KY_RS	09/23/2021	12	103,030.02		0.7673
KY_RS	09/23/2021	13	104,456.47		0.77793
KY_RS	09/23/2021	14	104,870.15		0.78101
KY_RS	09/23/2021	15	104,805.57		0.78053
KY_RS	09/23/2021	16	110,171.78		0.82049
KY_RS	09/23/2021	17	119,018.55		0.88638
KY_RS	09/23/2021	18	128,361.56		0.95596
KY_RS	09/23/2021	19	133,043.47		0.99082
KY_RS	09/23/2021	20	135,750.67		1.01099
KY_RS	09/23/2021	21	140,032.68		1.04288
KY_RS	09/23/2021	22	131,745.99		0.98116
KY_RS	09/23/2021	23	117,284.03		0.87346
KY_RS	09/23/2021	24	101,222.69		0.75384
KY_RS	09/24/2021	1	89,145.28		0.6639
KY_RS	09/24/2021	2	81,766.91		0.60895
KY_RS	09/24/2021	3	78,018.28		0.58103
KY_RS	09/24/2021	4	76,420.00		0.56913
KY_RS	09/24/2021	5	77,329.01		0.5759
KY_RS	09/24/2021	6	83,574.49		0.62241

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	09/24/2021	7	97,583.50	0.72674
KY_RS	09/24/2021	8	105,379.75	0.7848
KY_RS	09/24/2021	9	105,383.76	0.78483
KY_RS	09/24/2021	10	104,737.65	0.78002
KY_RS	09/24/2021	11	104,006.45	0.77458
KY_RS	09/24/2021	12	104,470.59	0.77803
KY_RS	09/24/2021	13	106,043.28	0.78974
KY_RS	09/24/2021	14	107,536.78	0.80087
KY_RS	09/24/2021	15	111,026.32	0.82685
KY_RS	09/24/2021	16	119,301.37	0.88848
KY_RS	09/24/2021	17	130,885.18	0.97475
KY_RS	09/24/2021	18	139,954.57	1.04229
KY_RS	09/24/2021	19	140,308.57	1.04493
KY_RS	09/24/2021	20	135,868.61	1.01186
KY_RS	09/24/2021	21	135,970.11	1.01262
KY_RS	09/24/2021	22	129,310.73	0.96303
KY_RS	09/24/2021	23	119,941.15	0.89325
KY_RS	09/24/2021	24	107,409.50	0.79992
KY_RS	09/25/2021	1	95,137.97	0.70853
KY_RS	09/25/2021	2	86,110.63	0.6413
KY_RS	09/25/2021	3	80,311.38	0.59811
KY_RS	09/25/2021	4	76,799.11	0.57195
KY_RS	09/25/2021	5	75,401.43	0.56154
KY_RS	09/25/2021	6	76,233.88	0.56774
KY_RS	09/25/2021	7	79,638.94	0.5931
KY_RS	09/25/2021	8	87,974.35	0.65518
KY_RS	09/25/2021	9	100,618.36	0.74934
KY_RS	09/25/2021	10	111,651.10	0.83151
KY_RS	09/25/2021	11	118,449.04	0.88213
KY_RS	09/25/2021	12	122,147.00	0.90967
KY_RS	09/25/2021	13	124,034.06	0.92373
KY_RS	09/25/2021	14	125,896.41	0.9376
KY_RS	09/25/2021	15	129,049.45	0.96108
KY_RS	09/25/2021	16	133,358.81	0.99317
KY_RS	09/25/2021	17	138,978.56	1.03503
KY_RS	09/25/2021	18	142,842.01	1.0638
KY_RS	09/25/2021	19	140,078.69	1.04322
KY_RS	09/25/2021	20	134,196.97	0.99942
KY_RS	09/25/2021	21	132,814.68	0.98912
KY_RS	09/25/2021	22	125,956.13	0.93804
KY_RS	09/25/2021	23	116,511.22	0.8677
KY_RS	09/25/2021	24	105,437.35	0.78523
KY_RS	09/26/2021	1	94,297.81	0.70227
KY_RS	09/26/2021	2	85,579.96	0.63735
KY_RS	09/26/2021	3	80,233.78	0.59753
KY_RS	09/26/2021	4	77,106.47	0.57424
KY_RS	09/26/2021	5	75,739.70	0.56406

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	09/26/2021	6	76,496.50	0.5697
KY_RS	09/26/2021	7	79,829.73	0.59452
KY_RS	09/26/2021	8	88,353.74	0.658
KY_RS	09/26/2021	9	103,179.36	0.76842
KY_RS	09/26/2021	10	114,997.34	0.85643
KY_RS	09/26/2021	11	122,292.15	0.91076
KY_RS	09/26/2021	12	127,174.35	0.94712
KY_RS	09/26/2021	13	132,620.29	0.98767
KY_RS	09/26/2021	14	135,980.82	1.0127
KY_RS	09/26/2021	15	140,913.62	1.04944
KY_RS	09/26/2021	16	147,162.94	1.09598
KY_RS	09/26/2021	17	158,076.48	1.17726
KY_RS	09/26/2021	18	168,322.67	1.25356
KY_RS	09/26/2021	19	168,637.06	1.2559
KY_RS	09/26/2021	20	167,399.77	1.24669
KY_RS	09/26/2021	21	169,629.84	1.2633
KY_RS	09/26/2021	22	155,645.67	1.15915
KY_RS	09/26/2021	23	134,380.37	1.00078
KY_RS	09/26/2021	24	112,915.44	0.84092
KY_RS	09/27/2021	1	96,359.02	0.71762
KY_RS	09/27/2021	2	86,305.25	0.64275
KY_RS	09/27/2021	3	80,217.87	0.59741
KY_RS	09/27/2021	4	77,125.57	0.57438
KY_RS	09/27/2021	5	77,260.16	0.57539
KY_RS	09/27/2021	6	82,962.50	0.61785
KY_RS	09/27/2021	7	96,183.96	0.71632
KY_RS	09/27/2021	8	102,342.36	0.76218
KY_RS	09/27/2021	9	100,846.34	0.75104
KY_RS	09/27/2021	10	103,390.59	0.76999
KY_RS	09/27/2021	11	109,189.01	0.81317
KY_RS	09/27/2021	12	116,969.80	0.87112
KY_RS	09/27/2021	13	127,023.83	0.94599
KY_RS	09/27/2021	14	138,704.20	1.03298
KY_RS	09/27/2021	15	152,222.43	1.13366
KY_RS	09/27/2021	16	170,737.39	1.27155
KY_RS	09/27/2021	17	190,929.67	1.42193
KY_RS	09/27/2021	18	203,636.01	1.51655
KY_RS	09/27/2021	19	209,387.03	1.55938
KY_RS	09/27/2021	20	206,239.79	1.53595
KY_RS	09/27/2021	21	205,905.50	1.53346
KY_RS	09/27/2021	22	192,140.07	1.43094
KY_RS	09/27/2021	23	170,631.38	1.27076
KY_RS	09/27/2021	24	147,721.48	1.10014
KY_RS	09/28/2021	1	128,023.08	0.95344
KY_RS	09/28/2021	2	112,493.22	0.83778
KY_RS	09/28/2021	3	103,416.42	0.77018
KY_RS	09/28/2021	4	98,176.51	0.73116

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	09/28/2021	5	96,259.20	0.71688
KY_RS	09/28/2021	6	99,737.76	0.74278
KY_RS	09/28/2021	7	111,530.41	0.83061
KY_RS	09/28/2021	8	117,252.69	0.87322
KY_RS	09/28/2021	9	115,145.68	0.85753
KY_RS	09/28/2021	10	119,714.07	0.89156
KY_RS	09/28/2021	11	133,492.11	0.99417
KY_RS	09/28/2021	12	148,104.27	1.10299
KY_RS	09/28/2021	13	164,510.15	1.22517
KY_RS	09/28/2021	14	180,608.22	1.34506
KY_RS	09/28/2021	15	196,556.02	1.46383
KY_RS	09/28/2021	16	217,067.75	1.61659
KY_RS	09/28/2021	17	237,037.84	1.76531
KY_RS	09/28/2021	18	251,873.17	1.87579
KY_RS	09/28/2021	19	252,452.65	1.88011
KY_RS	09/28/2021	20	241,963.37	1.80199
KY_RS	09/28/2021	21	235,945.88	1.75718
KY_RS	09/28/2021	22	216,463.62	1.61209
KY_RS	09/28/2021	23	190,597.75	1.41945
KY_RS	09/28/2021	24	162,837.67	1.21271
KY_RS	09/29/2021	1	138,492.02	1.0314
KY_RS	09/29/2021	2	120,726.09	0.89909
KY_RS	09/29/2021	3	108,504.32	0.80807
KY_RS	09/29/2021	4	101,122.28	0.7531
KY_RS	09/29/2021	5	97,430.74	0.7256
KY_RS	09/29/2021	6	99,635.97	0.74203
KY_RS	09/29/2021	7	110,652.58	0.82407
KY_RS	09/29/2021	8	115,023.77	0.85663
KY_RS	09/29/2021	9	113,018.57	0.84169
KY_RS	09/29/2021	10	118,929.82	0.88572
KY_RS	09/29/2021	11	129,611.80	0.96527
KY_RS	09/29/2021	12	143,084.55	1.0656
KY_RS	09/29/2021	13	160,045.72	1.19192
KY_RS	09/29/2021	14	176,924.15	1.31762
KY_RS	09/29/2021	15	194,151.48	1.44592
KY_RS	09/29/2021	16	215,433.77	1.60442
KY_RS	09/29/2021	17	235,877.87	1.75667
KY_RS	09/29/2021	18	248,967.85	1.85416
KY_RS	09/29/2021	19	244,501.07	1.82089
KY_RS	09/29/2021	20	229,673.65	1.71047
KY_RS	09/29/2021	21	221,011.45	1.64596
KY_RS	09/29/2021	22	201,295.14	1.49912
KY_RS	09/29/2021	23	174,317.77	1.29821
KY_RS	09/29/2021	24	145,302.19	1.08212
KY_RS	09/30/2021	1	121,934.74	0.90809
KY_RS	09/30/2021	2	105,719.37	0.78733
KY_RS	09/30/2021	3	95,707.51	0.71277

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	09/30/2021	4	89,564.62		0.66702
KY_RS	09/30/2021	5	86,914.33		0.64728
KY_RS	09/30/2021	6	90,292.56		0.67244
KY_RS	09/30/2021	7	100,776.65		0.75052
KY_RS	09/30/2021	8	106,696.60		0.79461
KY_RS	09/30/2021	9	106,121.95		0.79033
KY_RS	09/30/2021	10	109,682.61		0.81685
KY_RS	09/30/2021	11	117,232.68		0.87308
KY_RS	09/30/2021	12	126,941.99		0.94538
KY_RS	09/30/2021	13	137,465.07		1.02375
KY_RS	09/30/2021	14	149,284.09		1.11177
KY_RS	09/30/2021	15	164,029.50		1.22159
KY_RS	09/30/2021	16	173,831.88		1.29459
KY_RS	09/30/2021	17	193,086.89		1.43799
KY_RS	09/30/2021	18	209,788.35		1.56237
KY_RS	09/30/2021	19	208,904.99		1.55579
KY_RS	09/30/2021	20	197,850.95		1.47347
KY_RS	09/30/2021	21	192,908.49		1.43666
KY_RS	09/30/2021	22	175,787.34		1.30915
KY_RS	09/30/2021	23	175,536.55		1.30729
KY_RS	09/30/2021	24	188,041.46		1.40042
KY_RS	10/01/2021	1	111,891.86		0.8333
KY_RS	10/01/2021	2	98,283.54		0.73195
KY_RS	10/01/2021	3	89,355.13		0.66546
KY_RS	10/01/2021	4	84,174.91		0.62688
KY_RS	10/01/2021	5	82,184.84		0.61206
KY_RS	10/01/2021	6	86,091.17		0.64115
KY_RS	10/01/2021	7	97,494.09		0.72608
KY_RS	10/01/2021	8	103,304.04		0.76934
KY_RS	10/01/2021	9	103,438.30		0.77034
KY_RS	10/01/2021	10	106,730.12		0.79486
KY_RS	10/01/2021	11	111,165.19		0.82789
KY_RS	10/01/2021	12	116,181.34		0.86525
KY_RS	10/01/2021	13	127,800.66		0.95178
KY_RS	10/01/2021	14	138,295.18		1.02994
KY_RS	10/01/2021	15	150,477.78		1.12066
KY_RS	10/01/2021	16	169,673.29		1.26362
KY_RS	10/01/2021	17	187,718.02		1.39801
KY_RS	10/01/2021	18	196,629.79		1.46438
KY_RS	10/01/2021	19	188,332.52		1.40258
KY_RS	10/01/2021	20	170,910.11		1.27283
KY_RS	10/01/2021	21	161,722.61		1.20441
KY_RS	10/01/2021	22	150,142.07		1.11816
KY_RS	10/01/2021	23	137,375.84		1.02309
KY_RS	10/01/2021	24	120,721.30		0.89906
KY_RS	10/02/2021	1	104,016.66		0.77465
KY_RS	10/02/2021	2	92,039.64		0.68545

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/02/2021	3	84,443.96		0.62889
KY_RS	10/02/2021	4	79,871.05		0.59483
KY_RS	10/02/2021	5	77,701.20		0.57867
KY_RS	10/02/2021	6	77,816.93		0.57953
KY_RS	10/02/2021	7	81,364.94		0.60596
KY_RS	10/02/2021	8	89,778.82		0.66862
KY_RS	10/02/2021	9	102,559.78		0.7638
KY_RS	10/02/2021	10	112,335.59		0.83661
KY_RS	10/02/2021	11	120,474.94		0.89722
KY_RS	10/02/2021	12	125,647.58		0.93574
KY_RS	10/02/2021	13	131,217.84		0.97723
KY_RS	10/02/2021	14	138,444.68		1.03105
KY_RS	10/02/2021	15	152,787.00		1.13786
KY_RS	10/02/2021	16	166,764.83		1.24196
KY_RS	10/02/2021	17	172,229.71		1.28266
KY_RS	10/02/2021	18	176,760.56		1.3164
KY_RS	10/02/2021	19	177,799.94		1.32414
KY_RS	10/02/2021	20	177,975.45		1.32545
KY_RS	10/02/2021	21	176,505.69		1.3145
KY_RS	10/02/2021	22	168,466.21		1.25463
KY_RS	10/02/2021	23	158,629.89		1.18138
KY_RS	10/02/2021	24	143,981.10		1.07228
KY_RS	10/03/2021	1	127,258.38		0.94774
KY_RS	10/03/2021	2	114,796.14		0.85493
KY_RS	10/03/2021	3	106,036.74		0.7897
KY_RS	10/03/2021	4	99,854.33		0.74365
KY_RS	10/03/2021	5	96,084.40		0.71558
KY_RS	10/03/2021	6	94,726.26		0.70546
KY_RS	10/03/2021	7	95,875.87		0.71402
KY_RS	10/03/2021	8	102,795.71		0.76556
KY_RS	10/03/2021	9	118,275.83		0.88084
KY_RS	10/03/2021	10	134,143.21		0.99901
KY_RS	10/03/2021	11	148,320.90		1.1046
KY_RS	10/03/2021	12	160,614.66		1.19616
KY_RS	10/03/2021	13	166,003.47		1.23629
KY_RS	10/03/2021	14	166,256.81		1.23818
KY_RS	10/03/2021	15	164,760.51		1.22703
KY_RS	10/03/2021	16	165,731.91		1.23427
KY_RS	10/03/2021	17	177,276.46		1.32024
KY_RS	10/03/2021	18	185,517.17		1.38162
KY_RS	10/03/2021	19	185,226.77		1.37945
KY_RS	10/03/2021	20	189,150.91		1.40868
KY_RS	10/03/2021	21	187,508.01		1.39644
KY_RS	10/03/2021	22	173,730.51		1.29384
KY_RS	10/03/2021	23	153,723.43		1.14484
KY_RS	10/03/2021	24	131,372.68		0.97838
KY_RS	10/04/2021	1	114,372.50		0.85178

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/04/2021	2	101,518.63		0.75605
KY_RS	10/04/2021	3	93,632.67		0.69732
KY_RS	10/04/2021	4	89,134.72		0.66382
KY_RS	10/04/2021	5	88,193.01		0.65681
KY_RS	10/04/2021	6	92,957.77		0.69229
KY_RS	10/04/2021	7	105,800.18		0.78793
KY_RS	10/04/2021	8	112,115.47		0.83497
KY_RS	10/04/2021	9	110,222.38		0.82087
KY_RS	10/04/2021	10	112,319.90		0.83649
KY_RS	10/04/2021	11	119,386.61		0.88912
KY_RS	10/04/2021	12	128,431.10		0.95647
KY_RS	10/04/2021	13	137,503.03		1.02404
KY_RS	10/04/2021	14	146,900.90		1.09403
KY_RS	10/04/2021	15	155,203.48		1.15586
KY_RS	10/04/2021	16	172,460.58		1.28438
KY_RS	10/04/2021	17	183,412.59		1.36594
KY_RS	10/04/2021	18	194,573.14		1.44906
KY_RS	10/04/2021	19	196,153.43		1.46083
KY_RS	10/04/2021	20	195,115.90		1.4531
KY_RS	10/04/2021	21	192,932.71		1.43684
KY_RS	10/04/2021	22	177,382.88		1.32104
KY_RS	10/04/2021	23	154,974.90		1.15416
KY_RS	10/04/2021	24	130,631.73		0.97286
KY_RS	10/05/2021	1	111,105.79		0.82745
KY_RS	10/05/2021	2	98,248.71		0.7317
KY_RS	10/05/2021	3	90,442.37		0.67356
KY_RS	10/05/2021	4	85,853.78		0.63939
KY_RS	10/05/2021	5	84,869.63		0.63206
KY_RS	10/05/2021	6	89,380.71		0.66565
KY_RS	10/05/2021	7	101,744.49		0.75773
KY_RS	10/05/2021	8	107,731.17		0.80231
KY_RS	10/05/2021	9	105,381.99		0.78482
KY_RS	10/05/2021	10	107,417.87		0.79998
KY_RS	10/05/2021	11	115,648.36		0.86128
KY_RS	10/05/2021	12	129,231.72		0.96244
KY_RS	10/05/2021	13	142,999.61		1.06497
KY_RS	10/05/2021	14	154,456.98		1.1503
KY_RS	10/05/2021	15	165,668.27		1.23379
KY_RS	10/05/2021	16	180,823.20		1.34666
KY_RS	10/05/2021	17	197,629.86		1.47182
KY_RS	10/05/2021	18	213,278.03		1.58836
KY_RS	10/05/2021	19	209,840.71		1.56276
KY_RS	10/05/2021	20	206,647.76		1.53898
KY_RS	10/05/2021	21	204,035.63		1.51953
KY_RS	10/05/2021	22	189,028.67		1.40777
KY_RS	10/05/2021	23	168,095.45		1.25187
KY_RS	10/05/2021	24	145,403.75		1.08288

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/06/2021	1	126,629.27		0.94306
KY_RS	10/06/2021	2	113,234.11		0.8433
KY_RS	10/06/2021	3	104,732.41		0.77998
KY_RS	10/06/2021	4	99,622.73		0.74193
KY_RS	10/06/2021	5	98,026.72		0.73004
KY_RS	10/06/2021	6	101,765.67		0.75789
KY_RS	10/06/2021	7	114,497.63		0.85271
KY_RS	10/06/2021	8	121,034.85		0.90139
KY_RS	10/06/2021	9	117,951.05		0.87843
KY_RS	10/06/2021	10	120,093.25		0.89438
KY_RS	10/06/2021	11	123,260.07		0.91796
KY_RS	10/06/2021	12	129,244.94		0.96254
KY_RS	10/06/2021	13	137,095.19		1.021
KY_RS	10/06/2021	14	140,637.84		1.04738
KY_RS	10/06/2021	15	152,930.56		1.13893
KY_RS	10/06/2021	16	173,396.22		1.29135
KY_RS	10/06/2021	17	187,091.95		1.39334
KY_RS	10/06/2021	18	195,689.27		1.45737
KY_RS	10/06/2021	19	197,825.92		1.47328
KY_RS	10/06/2021	20	199,243.34		1.48384
KY_RS	10/06/2021	21	199,427.72		1.48521
KY_RS	10/06/2021	22	187,871.32		1.39915
KY_RS	10/06/2021	23	169,067.00		1.25911
KY_RS	10/06/2021	24	145,205.12		1.0814
KY_RS	10/07/2021	1	122,627.32		0.91325
KY_RS	10/07/2021	2	108,994.77		0.81173
KY_RS	10/07/2021	3	100,469.13		0.74823
KY_RS	10/07/2021	4	94,904.55		0.70679
KY_RS	10/07/2021	5	93,332.02		0.69508
KY_RS	10/07/2021	6	96,750.89		0.72054
KY_RS	10/07/2021	7	107,854.15		0.80323
KY_RS	10/07/2021	8	114,059.35		0.84944
KY_RS	10/07/2021	9	113,398.44		0.84452
KY_RS	10/07/2021	10	114,876.79		0.85553
KY_RS	10/07/2021	11	118,582.42		0.88313
KY_RS	10/07/2021	12	124,454.57		0.92686
KY_RS	10/07/2021	13	136,840.10		1.0191
KY_RS	10/07/2021	14	154,427.65		1.15008
KY_RS	10/07/2021	15	170,855.45		1.27242
KY_RS	10/07/2021	16	186,650.62		1.39006
KY_RS	10/07/2021	17	197,557.20		1.47128
KY_RS	10/07/2021	18	201,553.28		1.50104
KY_RS	10/07/2021	19	200,657.86		1.49437
KY_RS	10/07/2021	20	198,250.22		1.47644
KY_RS	10/07/2021	21	197,236.42		1.46889
KY_RS	10/07/2021	22	186,133.16		1.3862
KY_RS	10/07/2021	23	168,609.61		1.2557

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/07/2021	24	147,512.83		1.09858
KY_RS	10/08/2021	1	127,709.92		0.9511
KY_RS	10/08/2021	2	112,279.37		0.83619
KY_RS	10/08/2021	3	102,691.44		0.76478
KY_RS	10/08/2021	4	97,035.21		0.72266
KY_RS	10/08/2021	5	94,977.42		0.70733
KY_RS	10/08/2021	6	96,915.84		0.72177
KY_RS	10/08/2021	7	104,672.21		0.77953
KY_RS	10/08/2021	8	111,967.60		0.83386
KY_RS	10/08/2021	9	116,568.29		0.86813
KY_RS	10/08/2021	10	123,409.85		0.91908
KY_RS	10/08/2021	11	130,228.39		0.96986
KY_RS	10/08/2021	12	141,070.02		1.0506
KY_RS	10/08/2021	13	157,430.07		1.17244
KY_RS	10/08/2021	14	171,327.06		1.27594
KY_RS	10/08/2021	15	183,333.19		1.36535
KY_RS	10/08/2021	16	192,059.95		1.43034
KY_RS	10/08/2021	17	197,017.08		1.46726
KY_RS	10/08/2021	18	204,085.63		1.5199
KY_RS	10/08/2021	19	199,491.03		1.48568
KY_RS	10/08/2021	20	187,425.80		1.39583
KY_RS	10/08/2021	21	180,379.96		1.34336
KY_RS	10/08/2021	22	169,027.07		1.25881
KY_RS	10/08/2021	23	155,367.59		1.15708
KY_RS	10/08/2021	24	138,615.34		1.03232
KY_RS	10/09/2021	1	122,067.84		0.90909
KY_RS	10/09/2021	2	107,792.49		0.80277
KY_RS	10/09/2021	3	98,176.53		0.73116
KY_RS	10/09/2021	4	91,498.11		0.68142
KY_RS	10/09/2021	5	87,806.78		0.65393
KY_RS	10/09/2021	6	87,313.20		0.65025
KY_RS	10/09/2021	7	89,992.94		0.67021
KY_RS	10/09/2021	8	96,741.77		0.72047
KY_RS	10/09/2021	9	110,308.49		0.82151
KY_RS	10/09/2021	10	127,334.58		0.94831
KY_RS	10/09/2021	11	146,520.39		1.09119
KY_RS	10/09/2021	12	164,042.33		1.22168
KY_RS	10/09/2021	13	181,090.80		1.34865
KY_RS	10/09/2021	14	195,174.41		1.45354
KY_RS	10/09/2021	15	207,364.83		1.54432
KY_RS	10/09/2021	16	217,365.44		1.6188
KY_RS	10/09/2021	17	222,572.98		1.65758
KY_RS	10/09/2021	18	223,451.51		1.66413
KY_RS	10/09/2021	19	211,939.55		1.57839
KY_RS	10/09/2021	20	202,172.67		1.50566
KY_RS	10/09/2021	21	193,202.82		1.43885
KY_RS	10/09/2021	22	181,847.56		1.35429

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/09/2021	23	168,960.06		1.25831
KY_RS	10/09/2021	24	152,455.28		1.13539
KY_RS	10/10/2021	1	134,662.53		1.00288
KY_RS	10/10/2021	2	119,722.68		0.89162
KY_RS	10/10/2021	3	108,115.75		0.80518
KY_RS	10/10/2021	4	100,154.52		0.74589
KY_RS	10/10/2021	5	95,097.15		0.70822
KY_RS	10/10/2021	6	93,475.11		0.69614
KY_RS	10/10/2021	7	94,189.90		0.70147
KY_RS	10/10/2021	8	100,488.81		0.74838
KY_RS	10/10/2021	9	116,282.73		0.866
KY_RS	10/10/2021	10	134,871.09		1.00444
KY_RS	10/10/2021	11	150,974.93		1.12437
KY_RS	10/10/2021	12	173,759.75		1.29405
KY_RS	10/10/2021	13	196,733.65		1.46515
KY_RS	10/10/2021	14	216,095.97		1.60935
KY_RS	10/10/2021	15	232,308.00		1.73009
KY_RS	10/10/2021	16	245,038.28		1.82489
KY_RS	10/10/2021	17	255,563.20		1.90328
KY_RS	10/10/2021	18	260,908.22		1.94308
KY_RS	10/10/2021	19	251,817.18		1.87538
KY_RS	10/10/2021	20	240,010.56		1.78745
KY_RS	10/10/2021	21	229,752.71		1.71105
KY_RS	10/10/2021	22	209,865.51		1.56295
KY_RS	10/10/2021	23	185,498.17		1.38147
KY_RS	10/10/2021	24	158,472.50		1.1802
KY_RS	10/11/2021	1	135,770.81		1.01114
KY_RS	10/11/2021	2	119,082.78		0.88685
KY_RS	10/11/2021	3	107,646.46		0.80168
KY_RS	10/11/2021	4	100,302.98		0.74699
KY_RS	10/11/2021	5	96,819.12		0.72105
KY_RS	10/11/2021	6	97,976.56		0.72967
KY_RS	10/11/2021	7	104,785.82		0.78038
KY_RS	10/11/2021	8	110,343.88		0.82177
KY_RS	10/11/2021	9	115,645.46		0.86126
KY_RS	10/11/2021	10	128,813.57		0.95932
KY_RS	10/11/2021	11	145,585.75		1.08423
KY_RS	10/11/2021	12	165,225.05		1.23049
KY_RS	10/11/2021	13	185,982.33		1.38508
KY_RS	10/11/2021	14	194,671.55		1.44979
KY_RS	10/11/2021	15	204,119.25		1.52015
KY_RS	10/11/2021	16	213,436.15		1.58954
KY_RS	10/11/2021	17	231,840.51		1.7266
KY_RS	10/11/2021	18	245,131.03		1.82558
KY_RS	10/11/2021	19	237,347.87		1.76762
KY_RS	10/11/2021	20	232,866.61		1.73425
KY_RS	10/11/2021	21	226,985.86		1.69045

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/11/2021	22	210,567.22		1.56817
KY_RS	10/11/2021	23	188,006.76		1.40016
KY_RS	10/11/2021	24	162,362.98		1.20918
KY_RS	10/12/2021	1	140,683.27		1.04772
KY_RS	10/12/2021	2	125,889.38		0.93755
KY_RS	10/12/2021	3	116,440.80		0.86718
KY_RS	10/12/2021	4	109,626.23		0.81643
KY_RS	10/12/2021	5	107,424.69		0.80003
KY_RS	10/12/2021	6	109,241.04		0.81356
KY_RS	10/12/2021	7	119,650.22		0.89108
KY_RS	10/12/2021	8	124,552.91		0.92759
KY_RS	10/12/2021	9	122,455.33		0.91197
KY_RS	10/12/2021	10	125,984.26		0.93825
KY_RS	10/12/2021	11	135,065.43		1.00588
KY_RS	10/12/2021	12	148,420.94		1.10535
KY_RS	10/12/2021	13	161,740.35		1.20454
KY_RS	10/12/2021	14	171,861.53		1.27992
KY_RS	10/12/2021	15	179,894.28		1.33974
KY_RS	10/12/2021	16	191,430.68		1.42566
KY_RS	10/12/2021	17	202,934.45		1.51133
KY_RS	10/12/2021	18	208,770.01		1.55479
KY_RS	10/12/2021	19	204,155.73		1.52042
KY_RS	10/12/2021	20	196,400.52		1.46267
KY_RS	10/12/2021	21	188,405.17		1.40312
KY_RS	10/12/2021	22	171,189.18		1.27491
KY_RS	10/12/2021	23	148,051.01		1.10259
KY_RS	10/12/2021	24	124,150.44		0.9246
KY_RS	10/13/2021	1	105,374.88		0.78477
KY_RS	10/13/2021	2	92,960.79		0.69231
KY_RS	10/13/2021	3	85,570.41		0.63728
KY_RS	10/13/2021	4	81,381.26		0.60608
KY_RS	10/13/2021	5	80,518.13		0.59965
KY_RS	10/13/2021	6	84,633.52		0.6303
KY_RS	10/13/2021	7	96,611.63		0.7195
KY_RS	10/13/2021	8	102,276.70		0.76169
KY_RS	10/13/2021	9	100,690.14		0.74988
KY_RS	10/13/2021	10	103,165.12		0.76831
KY_RS	10/13/2021	11	109,616.34		0.81635
KY_RS	10/13/2021	12	118,409.90		0.88184
KY_RS	10/13/2021	13	129,122.07		0.96162
KY_RS	10/13/2021	14	138,441.14		1.03102
KY_RS	10/13/2021	15	146,777.98		1.09311
KY_RS	10/13/2021	16	163,797.33		1.21986
KY_RS	10/13/2021	17	171,907.32		1.28026
KY_RS	10/13/2021	18	180,304.17		1.34279
KY_RS	10/13/2021	19	186,474.77		1.38875
KY_RS	10/13/2021	20	192,095.06		1.4306

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/13/2021	21	189,121.88		1.40846
KY_RS	10/13/2021	22	177,550.74		1.32229
KY_RS	10/13/2021	23	158,682.79		1.18177
KY_RS	10/13/2021	24	137,046.35		1.02064
KY_RS	10/14/2021	1	119,485.44		0.88985
KY_RS	10/14/2021	2	108,137.52		0.80534
KY_RS	10/14/2021	3	100,937.78		0.75172
KY_RS	10/14/2021	4	96,166.61		0.71619
KY_RS	10/14/2021	5	94,617.07		0.70465
KY_RS	10/14/2021	6	98,432.20		0.73306
KY_RS	10/14/2021	7	110,821.01		0.82533
KY_RS	10/14/2021	8	118,229.02		0.8805
KY_RS	10/14/2021	9	117,901.19		0.87805
KY_RS	10/14/2021	10	128,127.63		0.95421
KY_RS	10/14/2021	11	139,947.42		1.04224
KY_RS	10/14/2021	12	151,132.08		1.12554
KY_RS	10/14/2021	13	167,797.16		1.24965
KY_RS	10/14/2021	14	175,302.39		1.30554
KY_RS	10/14/2021	15	181,435.72		1.35122
KY_RS	10/14/2021	16	198,493.03		1.47825
KY_RS	10/14/2021	17	218,330.47		1.62599
KY_RS	10/14/2021	18	228,134.69		1.699
KY_RS	10/14/2021	19	221,483.91		1.64947
KY_RS	10/14/2021	20	218,296.51		1.62574
KY_RS	10/14/2021	21	214,464.78		1.5972
KY_RS	10/14/2021	22	201,179.72		1.49826
KY_RS	10/14/2021	23	181,511.50		1.35178
KY_RS	10/14/2021	24	158,584.33		1.18104
KY_RS	10/15/2021	1	137,644.21		1.02509
KY_RS	10/15/2021	2	122,350.28		0.91119
KY_RS	10/15/2021	3	112,373.10		0.83688
KY_RS	10/15/2021	4	106,503.49		0.79317
KY_RS	10/15/2021	5	103,879.34		0.77363
KY_RS	10/15/2021	6	106,352.38		0.79205
KY_RS	10/15/2021	7	117,070.87		0.87187
KY_RS	10/15/2021	8	124,228.20		0.92517
KY_RS	10/15/2021	9	124,865.44		0.92992
KY_RS	10/15/2021	10	131,679.00		0.98066
KY_RS	10/15/2021	11	132,746.07		0.98861
KY_RS	10/15/2021	12	134,519.61		1.00182
KY_RS	10/15/2021	13	136,376.40		1.01565
KY_RS	10/15/2021	14	135,979.62		1.01269
KY_RS	10/15/2021	15	138,764.82		1.03343
KY_RS	10/15/2021	16	144,617.62		1.07702
KY_RS	10/15/2021	17	152,304.72		1.13427
KY_RS	10/15/2021	18	159,811.50		1.19018
KY_RS	10/15/2021	19	162,086.41		1.20712

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/15/2021	20	161,571.23		1.20328
KY_RS	10/15/2021	21	159,816.05		1.19021
KY_RS	10/15/2021	22	154,753.43		1.15251
KY_RS	10/15/2021	23	145,543.36		1.08392
KY_RS	10/15/2021	24	132,308.58		0.98535
KY_RS	10/16/2021	1	115,877.09		0.86298
KY_RS	10/16/2021	2	102,064.45		0.76011
KY_RS	10/16/2021	3	92,583.52		0.6895
KY_RS	10/16/2021	4	85,348.77		0.63562
KY_RS	10/16/2021	5	80,712.22		0.60109
KY_RS	10/16/2021	6	79,482.31		0.59193
KY_RS	10/16/2021	7	81,840.90		0.6095
KY_RS	10/16/2021	8	88,587.38		0.65974
KY_RS	10/16/2021	9	101,486.36		0.75581
KY_RS	10/16/2021	10	113,162.38		0.84276
KY_RS	10/16/2021	11	120,952.38		0.90078
KY_RS	10/16/2021	12	125,529.65		0.93487
KY_RS	10/16/2021	13	126,638.09		0.94312
KY_RS	10/16/2021	14	125,961.09		0.93808
KY_RS	10/16/2021	15	125,238.33		0.9327
KY_RS	10/16/2021	16	124,708.77		0.92875
KY_RS	10/16/2021	17	124,133.31		0.92447
KY_RS	10/16/2021	18	125,692.72		0.93608
KY_RS	10/16/2021	19	124,322.47		0.92588
KY_RS	10/16/2021	20	126,606.00		0.94288
KY_RS	10/16/2021	21	125,167.60		0.93217
KY_RS	10/16/2021	22	119,265.06		0.88821
KY_RS	10/16/2021	23	111,545.76		0.83072
KY_RS	10/16/2021	24	101,625.42		0.75684
KY_RS	10/17/2021	1	92,030.61		0.68539
KY_RS	10/17/2021	2	84,994.43		0.63299
KY_RS	10/17/2021	3	80,113.18		0.59663
KY_RS	10/17/2021	4	77,785.95		0.5793
KY_RS	10/17/2021	5	77,183.68		0.57482
KY_RS	10/17/2021	6	79,078.23		0.58893
KY_RS	10/17/2021	7	83,807.31		0.62414
KY_RS	10/17/2021	8	94,246.82		0.70189
KY_RS	10/17/2021	9	112,052.37		0.8345
KY_RS	10/17/2021	10	123,249.56		0.91789
KY_RS	10/17/2021	11	127,685.23		0.95092
KY_RS	10/17/2021	12	128,213.41		0.95485
KY_RS	10/17/2021	13	128,048.97		0.95363
KY_RS	10/17/2021	14	126,271.21		0.94039
KY_RS	10/17/2021	15	125,183.35		0.93229
KY_RS	10/17/2021	16	125,311.75		0.93324
KY_RS	10/17/2021	17	130,867.25		0.97462
KY_RS	10/17/2021	18	137,742.38		1.02582

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/17/2021	19	142,304.88		1.0598
KY_RS	10/17/2021	20	150,640.47		1.12188
KY_RS	10/17/2021	21	150,765.09		1.1228
KY_RS	10/17/2021	22	137,265.81		1.02227
KY_RS	10/17/2021	23	119,533.21		0.89021
KY_RS	10/17/2021	24	102,463.23		0.76308
KY_RS	10/18/2021	1	90,406.23		0.67329
KY_RS	10/18/2021	2	83,431.82		0.62135
KY_RS	10/18/2021	3	79,984.63		0.59568
KY_RS	10/18/2021	4	79,033.00		0.58859
KY_RS	10/18/2021	5	81,267.71		0.60523
KY_RS	10/18/2021	6	89,498.10		0.66653
KY_RS	10/18/2021	7	105,860.80		0.78839
KY_RS	10/18/2021	8	114,524.06		0.8529
KY_RS	10/18/2021	9	113,847.56		0.84787
KY_RS	10/18/2021	10	111,093.44		0.82735
KY_RS	10/18/2021	11	109,277.09		0.81383
KY_RS	10/18/2021	12	107,755.71		0.8025
KY_RS	10/18/2021	13	107,099.34		0.79761
KY_RS	10/18/2021	14	105,606.95		0.78649
KY_RS	10/18/2021	15	105,227.41		0.78367
KY_RS	10/18/2021	16	110,297.49		0.82143
KY_RS	10/18/2021	17	120,095.69		0.8944
KY_RS	10/18/2021	18	133,341.52		0.99304
KY_RS	10/18/2021	19	140,307.58		1.04492
KY_RS	10/18/2021	20	147,664.67		1.09971
KY_RS	10/18/2021	21	145,568.98		1.08411
KY_RS	10/18/2021	22	133,214.62		0.9921
KY_RS	10/18/2021	23	116,914.91		0.87071
KY_RS	10/18/2021	24	100,039.56		0.74503
KY_RS	10/19/2021	1	88,045.37		0.65571
KY_RS	10/19/2021	2	81,308.45		0.60553
KY_RS	10/19/2021	3	78,087.86		0.58155
KY_RS	10/19/2021	4	77,386.68		0.57633
KY_RS	10/19/2021	5	79,978.44		0.59563
KY_RS	10/19/2021	6	87,918.49		0.65476
KY_RS	10/19/2021	7	103,872.12		0.77357
KY_RS	10/19/2021	8	111,763.47		0.83234
KY_RS	10/19/2021	9	109,656.17		0.81665
KY_RS	10/19/2021	10	106,317.46		0.79179
KY_RS	10/19/2021	11	103,481.49		0.77067
KY_RS	10/19/2021	12	102,446.65		0.76296
KY_RS	10/19/2021	13	100,871.40		0.75123
KY_RS	10/19/2021	14	102,427.67		0.76282
KY_RS	10/19/2021	15	104,420.93		0.77766
KY_RS	10/19/2021	16	110,512.50		0.82303
KY_RS	10/19/2021	17	119,658.04		0.89114

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	10/19/2021	18	130,898.89	0.97485
KY_RS	10/19/2021	19	137,897.10	1.02697
KY_RS	10/19/2021	20	145,840.32	1.08613
KY_RS	10/19/2021	21	144,639.58	1.07719
KY_RS	10/19/2021	22	133,214.78	0.9921
KY_RS	10/19/2021	23	116,738.12	0.86939
KY_RS	10/19/2021	24	99,548.34	0.74137
KY_RS	10/20/2021	1	87,117.21	0.64879
KY_RS	10/20/2021	2	80,307.81	0.59808
KY_RS	10/20/2021	3	76,836.21	0.57223
KY_RS	10/20/2021	4	75,940.95	0.56556
KY_RS	10/20/2021	5	78,113.30	0.58174
KY_RS	10/20/2021	6	85,968.95	0.64024
KY_RS	10/20/2021	7	102,053.68	0.76003
KY_RS	10/20/2021	8	109,727.53	0.81718
KY_RS	10/20/2021	9	107,946.99	0.80392
KY_RS	10/20/2021	10	104,539.94	0.77855
KY_RS	10/20/2021	11	102,598.73	0.76409
KY_RS	10/20/2021	12	101,392.17	0.75511
KY_RS	10/20/2021	13	100,705.84	0.74999
KY_RS	10/20/2021	14	101,995.41	0.7596
KY_RS	10/20/2021	15	105,121.45	0.78288
KY_RS	10/20/2021	16	111,841.39	0.83292
KY_RS	10/20/2021	17	122,913.63	0.91538
KY_RS	10/20/2021	18	134,704.43	1.00319
KY_RS	10/20/2021	19	139,192.46	1.03662
KY_RS	10/20/2021	20	146,360.95	1.09001
KY_RS	10/20/2021	21	145,687.42	1.08499
KY_RS	10/20/2021	22	134,993.12	1.00534
KY_RS	10/20/2021	23	118,771.48	0.88454
KY_RS	10/20/2021	24	101,411.40	0.75525
KY_RS	10/21/2021	1	88,408.15	0.65841
KY_RS	10/21/2021	2	80,331.16	0.59826
KY_RS	10/21/2021	3	76,153.37	0.56714
KY_RS	10/21/2021	4	74,452.55	0.55448
KY_RS	10/21/2021	5	75,260.61	0.56049
KY_RS	10/21/2021	6	81,881.75	0.6098
KY_RS	10/21/2021	7	96,538.60	0.71896
KY_RS	10/21/2021	8	102,860.48	0.76604
KY_RS	10/21/2021	9	100,602.41	0.74922
KY_RS	10/21/2021	10	100,730.53	0.75018
KY_RS	10/21/2021	11	102,048.67	0.75999
KY_RS	10/21/2021	12	103,420.96	0.77021
KY_RS	10/21/2021	13	104,747.61	0.78009
KY_RS	10/21/2021	14	105,777.34	0.78776
KY_RS	10/21/2021	15	108,525.82	0.80823
KY_RS	10/21/2021	16	114,002.44	0.84902

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/21/2021	17	122,381.19		0.91142
KY_RS	10/21/2021	18	131,026.96		0.97581
KY_RS	10/21/2021	19	134,168.48		0.9992
KY_RS	10/21/2021	20	141,751.80		1.05568
KY_RS	10/21/2021	21	141,464.00		1.05354
KY_RS	10/21/2021	22	131,586.57		0.97997
KY_RS	10/21/2021	23	116,421.17		0.86703
KY_RS	10/21/2021	24	100,478.56		0.7483
KY_RS	10/22/2021	1	88,378.43		0.65819
KY_RS	10/22/2021	2	81,442.86		0.60654
KY_RS	10/22/2021	3	78,348.83		0.58349
KY_RS	10/22/2021	4	77,508.32		0.57723
KY_RS	10/22/2021	5	79,268.25		0.59034
KY_RS	10/22/2021	6	86,156.78		0.64164
KY_RS	10/22/2021	7	100,586.91		0.74911
KY_RS	10/22/2021	8	107,792.44		0.80277
KY_RS	10/22/2021	9	108,359.70		0.807
KY_RS	10/22/2021	10	109,337.96		0.81428
KY_RS	10/22/2021	11	110,641.85		0.82399
KY_RS	10/22/2021	12	111,854.05		0.83302
KY_RS	10/22/2021	13	113,403.27		0.84456
KY_RS	10/22/2021	14	112,429.65		0.83731
KY_RS	10/22/2021	15	112,521.66		0.83799
KY_RS	10/22/2021	16	117,323.35		0.87375
KY_RS	10/22/2021	17	125,434.85		0.93416
KY_RS	10/22/2021	18	132,886.22		0.98965
KY_RS	10/22/2021	19	136,825.81		1.01899
KY_RS	10/22/2021	20	136,881.82		1.01941
KY_RS	10/22/2021	21	133,122.34		0.99141
KY_RS	10/22/2021	22	127,441.86		0.94911
KY_RS	10/22/2021	23	118,747.61		0.88436
KY_RS	10/22/2021	24	108,270.87		0.80633
KY_RS	10/23/2021	1	97,656.89		0.72729
KY_RS	10/23/2021	2	89,962.68		0.66999
KY_RS	10/23/2021	3	85,163.18		0.63424
KY_RS	10/23/2021	4	82,886.30		0.61729
KY_RS	10/23/2021	5	82,543.01		0.61473
KY_RS	10/23/2021	6	85,263.53		0.63499
KY_RS	10/23/2021	7	90,901.84		0.67698
KY_RS	10/23/2021	8	101,368.90		0.75493
KY_RS	10/23/2021	9	116,232.89		0.86563
KY_RS	10/23/2021	10	124,161.93		0.92468
KY_RS	10/23/2021	11	126,029.47		0.93859
KY_RS	10/23/2021	12	125,362.83		0.93362
KY_RS	10/23/2021	13	123,343.77		0.91859
KY_RS	10/23/2021	14	120,850.31		0.90002
KY_RS	10/23/2021	15	118,982.49		0.88611

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/23/2021	16	120,428.67		0.89688
KY_RS	10/23/2021	17	121,767.36		0.90685
KY_RS	10/23/2021	18	124,400.61		0.92646
KY_RS	10/23/2021	19	126,482.81		0.94197
KY_RS	10/23/2021	20	129,578.20		0.96502
KY_RS	10/23/2021	21	126,871.11		0.94486
KY_RS	10/23/2021	22	122,152.49		0.90972
KY_RS	10/23/2021	23	114,301.46		0.85125
KY_RS	10/23/2021	24	104,432.45		0.77775
KY_RS	10/24/2021	1	94,582.03		0.70439
KY_RS	10/24/2021	2	86,723.31		0.64586
KY_RS	10/24/2021	3	81,798.67		0.60919
KY_RS	10/24/2021	4	79,082.12		0.58895
KY_RS	10/24/2021	5	78,171.38		0.58217
KY_RS	10/24/2021	6	79,400.85		0.59133
KY_RS	10/24/2021	7	83,258.26		0.62006
KY_RS	10/24/2021	8	91,380.49		0.68054
KY_RS	10/24/2021	9	106,000.12		0.78942
KY_RS	10/24/2021	10	119,513.00		0.89006
KY_RS	10/24/2021	11	130,444.91		0.97147
KY_RS	10/24/2021	12	137,143.71		1.02136
KY_RS	10/24/2021	13	141,560.51		1.05425
KY_RS	10/24/2021	14	140,281.03		1.04473
KY_RS	10/24/2021	15	140,035.45		1.0429
KY_RS	10/24/2021	16	135,856.67		1.01178
KY_RS	10/24/2021	17	139,224.17		1.03685
KY_RS	10/24/2021	18	146,230.33		1.08903
KY_RS	10/24/2021	19	151,453.55		1.12793
KY_RS	10/24/2021	20	161,037.40		1.19931
KY_RS	10/24/2021	21	157,495.02		1.17292
KY_RS	10/24/2021	22	144,999.01		1.07986
KY_RS	10/24/2021	23	127,449.45		0.94916
KY_RS	10/24/2021	24	108,202.81		0.80583
KY_RS	10/25/2021	1	93,186.52		0.694
KY_RS	10/25/2021	2	83,801.31		0.6241
KY_RS	10/25/2021	3	78,417.72		0.58401
KY_RS	10/25/2021	4	75,920.98		0.56541
KY_RS	10/25/2021	5	76,131.83		0.56698
KY_RS	10/25/2021	6	82,032.52		0.61093
KY_RS	10/25/2021	7	96,303.30		0.71721
KY_RS	10/25/2021	8	103,599.07		0.77154
KY_RS	10/25/2021	9	101,436.10		0.75543
KY_RS	10/25/2021	10	102,415.89		0.76273
KY_RS	10/25/2021	11	104,593.92		0.77895
KY_RS	10/25/2021	12	107,009.45		0.79694
KY_RS	10/25/2021	13	108,791.20		0.81021
KY_RS	10/25/2021	14	109,150.34		0.81288

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/25/2021	15	107,948.70		0.80393
KY_RS	10/25/2021	16	111,973.37		0.83391
KY_RS	10/25/2021	17	124,248.86		0.92533
KY_RS	10/25/2021	18	138,200.40		1.02923
KY_RS	10/25/2021	19	147,282.86		1.09687
KY_RS	10/25/2021	20	152,096.95		1.13272
KY_RS	10/25/2021	21	147,824.91		1.10091
KY_RS	10/25/2021	22	136,368.33		1.01559
KY_RS	10/25/2021	23	120,571.90		0.89794
KY_RS	10/25/2021	24	104,878.53		0.78107
KY_RS	10/26/2021	1	92,892.23		0.6918
KY_RS	10/26/2021	2	86,289.51		0.64263
KY_RS	10/26/2021	3	83,162.03		0.61934
KY_RS	10/26/2021	4	82,504.34		0.61444
KY_RS	10/26/2021	5	84,966.34		0.63278
KY_RS	10/26/2021	6	93,721.73		0.69798
KY_RS	10/26/2021	7	110,676.10		0.82425
KY_RS	10/26/2021	8	118,060.45		0.87924
KY_RS	10/26/2021	9	116,844.85		0.87019
KY_RS	10/26/2021	10	116,243.49		0.86571
KY_RS	10/26/2021	11	114,111.01		0.84983
KY_RS	10/26/2021	12	111,106.21		0.82745
KY_RS	10/26/2021	13	109,503.70		0.81552
KY_RS	10/26/2021	14	106,466.32		0.79289
KY_RS	10/26/2021	15	104,544.05		0.77858
KY_RS	10/26/2021	16	107,758.21		0.80252
KY_RS	10/26/2021	17	116,324.83		0.86631
KY_RS	10/26/2021	18	128,681.84		0.95834
KY_RS	10/26/2021	19	138,641.84		1.03252
KY_RS	10/26/2021	20	150,645.13		1.12191
KY_RS	10/26/2021	21	151,454.03		1.12794
KY_RS	10/26/2021	22	143,084.62		1.0656
KY_RS	10/26/2021	23	129,097.01		0.96143
KY_RS	10/26/2021	24	115,004.78		0.85648
KY_RS	10/27/2021	1	105,072.08		0.78251
KY_RS	10/27/2021	2	100,387.42		0.74762
KY_RS	10/27/2021	3	98,899.06		0.73654
KY_RS	10/27/2021	4	99,667.71		0.74226
KY_RS	10/27/2021	5	103,735.72		0.77256
KY_RS	10/27/2021	6	114,767.13		0.85471
KY_RS	10/27/2021	7	134,342.67		1.0005
KY_RS	10/27/2021	8	144,511.78		1.07623
KY_RS	10/27/2021	9	142,740.33		1.06304
KY_RS	10/27/2021	10	135,866.24		1.01185
KY_RS	10/27/2021	11	127,071.40		0.94635
KY_RS	10/27/2021	12	119,914.46		0.89305
KY_RS	10/27/2021	13	115,623.36		0.86109

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/27/2021	14	110,761.56		0.82488
KY_RS	10/27/2021	15	107,267.87		0.79886
KY_RS	10/27/2021	16	109,351.91		0.81438
KY_RS	10/27/2021	17	117,060.14		0.87179
KY_RS	10/27/2021	18	129,335.00		0.96321
KY_RS	10/27/2021	19	140,899.78		1.04933
KY_RS	10/27/2021	20	152,185.92		1.13339
KY_RS	10/27/2021	21	152,808.85		1.13802
KY_RS	10/27/2021	22	144,769.58		1.07815
KY_RS	10/27/2021	23	130,134.31		0.96916
KY_RS	10/27/2021	24	113,934.31		0.84851
KY_RS	10/28/2021	1	102,422.29		0.76278
KY_RS	10/28/2021	2	95,918.55		0.71434
KY_RS	10/28/2021	3	92,530.44		0.68911
KY_RS	10/28/2021	4	92,443.64		0.68846
KY_RS	10/28/2021	5	95,257.94		0.70942
KY_RS	10/28/2021	6	103,978.38		0.77437
KY_RS	10/28/2021	7	119,854.42		0.8926
KY_RS	10/28/2021	8	126,829.21		0.94454
KY_RS	10/28/2021	9	124,590.42		0.92787
KY_RS	10/28/2021	10	121,468.42		0.90462
KY_RS	10/28/2021	11	118,832.17		0.88499
KY_RS	10/28/2021	12	120,950.48		0.90076
KY_RS	10/28/2021	13	121,484.72		0.90474
KY_RS	10/28/2021	14	120,665.81		0.89864
KY_RS	10/28/2021	15	121,398.18		0.9041
KY_RS	10/28/2021	16	126,901.98		0.94509
KY_RS	10/28/2021	17	136,052.11		1.01323
KY_RS	10/28/2021	18	148,027.47		1.10242
KY_RS	10/28/2021	19	154,223.86		1.14856
KY_RS	10/28/2021	20	156,337.43		1.1643
KY_RS	10/28/2021	21	152,962.51		1.13917
KY_RS	10/28/2021	22	141,725.89		1.05549
KY_RS	10/28/2021	23	126,668.50		0.94335
KY_RS	10/28/2021	24	110,516.35		0.82306
KY_RS	10/29/2021	1	98,050.85		0.73022
KY_RS	10/29/2021	2	90,179.27		0.6716
KY_RS	10/29/2021	3	85,677.75		0.63807
KY_RS	10/29/2021	4	83,924.83		0.62502
KY_RS	10/29/2021	5	85,244.68		0.63485
KY_RS	10/29/2021	6	92,427.34		0.68834
KY_RS	10/29/2021	7	106,912.80		0.79622
KY_RS	10/29/2021	8	113,149.63		0.84267
KY_RS	10/29/2021	9	112,679.11		0.83916
KY_RS	10/29/2021	10	113,121.37		0.84246
KY_RS	10/29/2021	11	114,550.80		0.8531
KY_RS	10/29/2021	12	114,952.72		0.8561

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/29/2021	13	116,234.04		0.86564
KY_RS	10/29/2021	14	115,184.89		0.85783
KY_RS	10/29/2021	15	114,092.42		0.84969
KY_RS	10/29/2021	16	118,021.08		0.87895
KY_RS	10/29/2021	17	126,137.93		0.9394
KY_RS	10/29/2021	18	134,680.01		1.00301
KY_RS	10/29/2021	19	138,118.40		1.02862
KY_RS	10/29/2021	20	138,252.99		1.02962
KY_RS	10/29/2021	21	134,020.58		0.9981
KY_RS	10/29/2021	22	127,128.40		0.94677
KY_RS	10/29/2021	23	118,792.82		0.88469
KY_RS	10/29/2021	24	108,131.73		0.8053
KY_RS	10/30/2021	1	97,708.61		0.72767
KY_RS	10/30/2021	2	90,111.93		0.6711
KY_RS	10/30/2021	3	85,041.06		0.63333
KY_RS	10/30/2021	4	82,428.74		0.61388
KY_RS	10/30/2021	5	81,933.73		0.61019
KY_RS	10/30/2021	6	84,185.50		0.62696
KY_RS	10/30/2021	7	89,128.19		0.66377
KY_RS	10/30/2021	8	98,266.18		0.73183
KY_RS	10/30/2021	9	112,611.40		0.83866
KY_RS	10/30/2021	10	124,891.38		0.93011
KY_RS	10/30/2021	11	133,214.89		0.9921
KY_RS	10/30/2021	12	137,100.87		1.02104
KY_RS	10/30/2021	13	138,158.06		1.02892
KY_RS	10/30/2021	14	138,049.45		1.02811
KY_RS	10/30/2021	15	136,512.42		1.01666
KY_RS	10/30/2021	16	136,926.78		1.01975
KY_RS	10/30/2021	17	140,373.70		1.04542
KY_RS	10/30/2021	18	143,936.06		1.07195
KY_RS	10/30/2021	19	144,593.51		1.07684
KY_RS	10/30/2021	20	142,726.00		1.06293
KY_RS	10/30/2021	21	138,130.67		1.02871
KY_RS	10/30/2021	22	132,235.99		0.98481
KY_RS	10/30/2021	23	123,238.08		0.9178
KY_RS	10/30/2021	24	113,390.96		0.84447
KY_RS	10/31/2021	1	103,074.12		0.76763
KY_RS	10/31/2021	2	95,744.29		0.71304
KY_RS	10/31/2021	3	91,090.65		0.67839
KY_RS	10/31/2021	4	88,396.69		0.65832
KY_RS	10/31/2021	5	87,638.25		0.65268
KY_RS	10/31/2021	6	89,752.78		0.66842
KY_RS	10/31/2021	7	93,928.14		0.69952
KY_RS	10/31/2021	8	102,501.45		0.76337
KY_RS	10/31/2021	9	117,525.90		0.87526
KY_RS	10/31/2021	10	130,103.91		0.96893
KY_RS	10/31/2021	11	136,696.01		1.01803

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	10/31/2021	12	138,796.62		1.03367
KY_RS	10/31/2021	13	140,627.67		1.04731
KY_RS	10/31/2021	14	139,352.30		1.03781
KY_RS	10/31/2021	15	138,111.62		1.02857
KY_RS	10/31/2021	16	139,009.55		1.03526
KY_RS	10/31/2021	17	140,288.04		1.04478
KY_RS	10/31/2021	18	138,027.36		1.02794
KY_RS	10/31/2021	19	126,507.40		0.94215
KY_RS	10/31/2021	20	128,657.00		0.95816
KY_RS	10/31/2021	21	139,652.15		1.04004
KY_RS	10/31/2021	22	137,562.13		1.02448
KY_RS	10/31/2021	23	124,362.37		0.92617
KY_RS	10/31/2021	24	108,810.61		0.81035
KY_RS	11/01/2021	1	97,808.84		0.72842
KY_RS	11/01/2021	2	91,592.97		0.68213
KY_RS	11/01/2021	3	90,173.92		0.67156
KY_RS	11/01/2021	4	91,595.77		0.68215
KY_RS	11/01/2021	5	96,248.09		0.7168
KY_RS	11/01/2021	6	106,311.75		0.79174
KY_RS	11/01/2021	7	122,882.43		0.91515
KY_RS	11/01/2021	8	134,102.31		0.99871
KY_RS	11/01/2021	9	138,016.13		1.02786
KY_RS	11/01/2021	10	134,889.31		1.00457
KY_RS	11/01/2021	11	130,460.76		0.97159
KY_RS	11/01/2021	12	126,151.33		0.9395
KY_RS	11/01/2021	13	122,708.24		0.91385
KY_RS	11/01/2021	14	118,272.05		0.88082
KY_RS	11/01/2021	15	115,213.16		0.85804
KY_RS	11/01/2021	16	116,725.97		0.8693
KY_RS	11/01/2021	17	124,429.99		0.92668
KY_RS	11/01/2021	18	143,330.92		1.06744
KY_RS	11/01/2021	19	157,351.63		1.17186
KY_RS	11/01/2021	20	163,993.23		1.22132
KY_RS	11/01/2021	21	159,987.16		1.19148
KY_RS	11/01/2021	22	148,832.65		1.10841
KY_RS	11/01/2021	23	134,012.41		0.99804
KY_RS	11/01/2021	24	118,640.09		0.88356
KY_RS	11/02/2021	1	107,736.76		0.80236
KY_RS	11/02/2021	2	102,073.46		0.76018
KY_RS	11/02/2021	3	100,044.02		0.74507
KY_RS	11/02/2021	4	100,098.75		0.74547
KY_RS	11/02/2021	5	104,245.83		0.77636
KY_RS	11/02/2021	6	114,528.62		0.85294
KY_RS	11/02/2021	7	131,869.93		0.98208
KY_RS	11/02/2021	8	140,709.28		1.04791
KY_RS	11/02/2021	9	142,096.10		1.05824
KY_RS	11/02/2021	10	140,903.75		1.04936

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/02/2021	11	139,157.12		1.03636
KY_RS	11/02/2021	12	136,537.99		1.01685
KY_RS	11/02/2021	13	129,333.03		0.96319
KY_RS	11/02/2021	14	124,479.87		0.92705
KY_RS	11/02/2021	15	122,859.74		0.91498
KY_RS	11/02/2021	16	126,088.29		0.93903
KY_RS	11/02/2021	17	134,789.09		1.00383
KY_RS	11/02/2021	18	149,868.18		1.11612
KY_RS	11/02/2021	19	165,803.77		1.2348
KY_RS	11/02/2021	20	179,451.93		1.33645
KY_RS	11/02/2021	21	181,100.79		1.34873
KY_RS	11/02/2021	22	173,909.24		1.29517
KY_RS	11/02/2021	23	160,134.02		1.19258
KY_RS	11/02/2021	24	147,030.57		1.09499
KY_RS	11/03/2021	1	138,980.37		1.03504
KY_RS	11/03/2021	2	135,332.29		1.00787
KY_RS	11/03/2021	3	135,943.99		1.01243
KY_RS	11/03/2021	4	138,296.23		1.02994
KY_RS	11/03/2021	5	144,956.70		1.07955
KY_RS	11/03/2021	6	157,372.81		1.17201
KY_RS	11/03/2021	7	177,543.65		1.32223
KY_RS	11/03/2021	8	187,674.47		1.39768
KY_RS	11/03/2021	9	186,923.07		1.39209
KY_RS	11/03/2021	10	179,122.02		1.33399
KY_RS	11/03/2021	11	163,213.47		1.21551
KY_RS	11/03/2021	12	148,884.50		1.1088
KY_RS	11/03/2021	13	138,987.18		1.03509
KY_RS	11/03/2021	14	131,360.23		0.97829
KY_RS	11/03/2021	15	125,577.34		0.93522
KY_RS	11/03/2021	16	126,422.69		0.94152
KY_RS	11/03/2021	17	134,175.91		0.99926
KY_RS	11/03/2021	18	148,557.33		1.10636
KY_RS	11/03/2021	19	164,044.61		1.2217
KY_RS	11/03/2021	20	177,467.45		1.32167
KY_RS	11/03/2021	21	180,060.50		1.34098
KY_RS	11/03/2021	22	174,883.28		1.30242
KY_RS	11/03/2021	23	161,995.59		1.20644
KY_RS	11/03/2021	24	149,514.90		1.11349
KY_RS	11/04/2021	1	142,103.24		1.0583
KY_RS	11/04/2021	2	139,692.46		1.04034
KY_RS	11/04/2021	3	140,253.24		1.04452
KY_RS	11/04/2021	4	143,270.99		1.06699
KY_RS	11/04/2021	5	149,067.06		1.11016
KY_RS	11/04/2021	6	160,405.34		1.1946
KY_RS	11/04/2021	7	179,668.18		1.33806
KY_RS	11/04/2021	8	187,781.32		1.39848
KY_RS	11/04/2021	9	185,091.31		1.37844

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/04/2021	10	175,450.90		1.30665
KY_RS	11/04/2021	11	157,818.93		1.17534
KY_RS	11/04/2021	12	144,338.13		1.07494
KY_RS	11/04/2021	13	136,403.69		1.01585
KY_RS	11/04/2021	14	130,134.00		0.96916
KY_RS	11/04/2021	15	125,828.76		0.93709
KY_RS	11/04/2021	16	126,025.46		0.93856
KY_RS	11/04/2021	17	133,284.41		0.99262
KY_RS	11/04/2021	18	147,431.58		1.09798
KY_RS	11/04/2021	19	161,953.06		1.20613
KY_RS	11/04/2021	20	175,499.09		1.30701
KY_RS	11/04/2021	21	178,206.10		1.32717
KY_RS	11/04/2021	22	173,613.60		1.29297
KY_RS	11/04/2021	23	161,987.08		1.20638
KY_RS	11/04/2021	24	149,595.57		1.11409
KY_RS	11/05/2021	1	141,818.56		1.05618
KY_RS	11/05/2021	2	138,730.44		1.03318
KY_RS	11/05/2021	3	139,321.86		1.03758
KY_RS	11/05/2021	4	141,706.53		1.05534
KY_RS	11/05/2021	5	148,286.09		1.10434
KY_RS	11/05/2021	6	160,169.35		1.19284
KY_RS	11/05/2021	7	180,023.40		1.3407
KY_RS	11/05/2021	8	188,854.32		1.40647
KY_RS	11/05/2021	9	188,194.59		1.40156
KY_RS	11/05/2021	10	178,005.36		1.32567
KY_RS	11/05/2021	11	161,647.54		1.20385
KY_RS	11/05/2021	12	148,426.27		1.10539
KY_RS	11/05/2021	13	139,256.89		1.0371
KY_RS	11/05/2021	14	130,623.31		0.9728
KY_RS	11/05/2021	15	125,050.68		0.9313
KY_RS	11/05/2021	16	124,841.56		0.92974
KY_RS	11/05/2021	17	130,515.16		0.972
KY_RS	11/05/2021	18	138,979.03		1.03503
KY_RS	11/05/2021	19	149,967.35		1.11686
KY_RS	11/05/2021	20	158,527.70		1.18062
KY_RS	11/05/2021	21	160,206.53		1.19312
KY_RS	11/05/2021	22	159,462.59		1.18758
KY_RS	11/05/2021	23	154,935.43		1.15386
KY_RS	11/05/2021	24	147,720.15		1.10013
KY_RS	11/06/2021	1	140,746.74		1.04819
KY_RS	11/06/2021	2	137,266.78		1.02228
KY_RS	11/06/2021	3	136,852.27		1.01919
KY_RS	11/06/2021	4	138,860.54		1.03415
KY_RS	11/06/2021	5	143,594.57		1.0694
KY_RS	11/06/2021	6	150,274.68		1.11915
KY_RS	11/06/2021	7	159,982.74		1.19145
KY_RS	11/06/2021	8	173,491.61		1.29206

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/06/2021	9	189,045.42		1.40789
KY_RS	11/06/2021	10	189,437.52		1.41081
KY_RS	11/06/2021	11	177,677.35		1.32323
KY_RS	11/06/2021	12	164,675.65		1.2264
KY_RS	11/06/2021	13	152,682.88		1.13709
KY_RS	11/06/2021	14	143,204.61		1.0665
KY_RS	11/06/2021	15	136,314.12		1.01518
KY_RS	11/06/2021	16	133,105.06		0.99128
KY_RS	11/06/2021	17	133,411.66		0.99357
KY_RS	11/06/2021	18	137,646.61		1.02511
KY_RS	11/06/2021	19	144,935.20		1.07939
KY_RS	11/06/2021	20	151,824.25		1.13069
KY_RS	11/06/2021	21	152,727.41		1.13742
KY_RS	11/06/2021	22	150,963.56		1.12428
KY_RS	11/06/2021	23	146,116.21		1.08818
KY_RS	11/06/2021	24	139,894.19		1.04184
KY_RS	11/07/2021	1	133,789.13		0.99638
KY_RS	11/07/2021	2	129,510.43		0.96451
KY_RS	11/07/2021	3	130,266.82		0.97015
KY_RS	11/07/2021	4	132,990.70		0.99043
KY_RS	11/07/2021	5	137,474.35		1.02382
KY_RS	11/07/2021	6	144,755.13		1.07805
KY_RS	11/07/2021	7	155,803.00		1.16032
KY_RS	11/07/2021	8	173,867.38		1.29486
KY_RS	11/07/2021	9	181,616.94		1.35257
KY_RS	11/07/2021	10	173,503.25		1.29214
KY_RS	11/07/2021	11	162,679.89		1.21154
KY_RS	11/07/2021	12	153,138.08		1.14048
KY_RS	11/07/2021	13	146,155.41		1.08847
KY_RS	11/07/2021	14	139,319.52		1.03756
KY_RS	11/07/2021	15	135,638.15		1.01015
KY_RS	11/07/2021	16	134,906.98		1.0047
KY_RS	11/07/2021	17	142,370.80		1.06029
KY_RS	11/07/2021	18	157,052.82		1.16963
KY_RS	11/07/2021	19	167,709.02		1.24899
KY_RS	11/07/2021	20	166,961.10		1.24342
KY_RS	11/07/2021	21	161,122.73		1.19994
KY_RS	11/07/2021	22	149,067.36		1.11016
KY_RS	11/07/2021	23	134,932.18		1.00489
KY_RS	11/07/2021	24	121,624.35		0.90578
KY_RS	11/08/2021	1	114,327.53		0.85144
KY_RS	11/08/2021	2	111,375.11		0.82945
KY_RS	11/08/2021	3	111,477.24		0.83021
KY_RS	11/08/2021	4	114,225.71		0.85068
KY_RS	11/08/2021	5	119,935.48		0.8932
KY_RS	11/08/2021	6	133,088.06		0.99116
KY_RS	11/08/2021	7	153,427.67		1.14263

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/08/2021	8	160,764.68		1.19728
KY_RS	11/08/2021	9	148,845.50		1.10851
KY_RS	11/08/2021	10	136,729.58		1.01828
KY_RS	11/08/2021	11	126,899.62		0.94507
KY_RS	11/08/2021	12	119,327.73		0.88868
KY_RS	11/08/2021	13	114,684.71		0.8541
KY_RS	11/08/2021	14	109,492.79		0.81543
KY_RS	11/08/2021	15	106,794.02		0.79534
KY_RS	11/08/2021	16	110,436.04		0.82246
KY_RS	11/08/2021	17	120,212.07		0.89526
KY_RS	11/08/2021	18	140,194.68		1.04408
KY_RS	11/08/2021	19	155,325.52		1.15677
KY_RS	11/08/2021	20	153,793.07		1.14535
KY_RS	11/08/2021	21	148,008.50		1.10227
KY_RS	11/08/2021	22	136,057.36		1.01327
KY_RS	11/08/2021	23	120,314.96		0.89603
KY_RS	11/08/2021	24	106,384.39		0.79228
KY_RS	11/09/2021	1	97,534.20		0.72637
KY_RS	11/09/2021	2	93,368.52		0.69535
KY_RS	11/09/2021	3	92,126.58		0.6861
KY_RS	11/09/2021	4	93,771.83		0.69835
KY_RS	11/09/2021	5	99,497.93		0.741
KY_RS	11/09/2021	6	111,978.51		0.83395
KY_RS	11/09/2021	7	132,660.94		0.98798
KY_RS	11/09/2021	8	141,442.08		1.05337
KY_RS	11/09/2021	9	131,306.57		0.97789
KY_RS	11/09/2021	10	120,059.59		0.89413
KY_RS	11/09/2021	11	113,838.37		0.8478
KY_RS	11/09/2021	12	109,563.39		0.81596
KY_RS	11/09/2021	13	106,601.56		0.7939
KY_RS	11/09/2021	14	103,935.73		0.77405
KY_RS	11/09/2021	15	102,064.39		0.76011
KY_RS	11/09/2021	16	107,436.15		0.80012
KY_RS	11/09/2021	17	120,112.43		0.89452
KY_RS	11/09/2021	18	140,340.27		1.04517
KY_RS	11/09/2021	19	151,664.03		1.1295
KY_RS	11/09/2021	20	150,763.34		1.12279
KY_RS	11/09/2021	21	145,039.15		1.08016
KY_RS	11/09/2021	22	133,887.99		0.99711
KY_RS	11/09/2021	23	118,174.48		0.88009
KY_RS	11/09/2021	24	103,436.37		0.77033
KY_RS	11/10/2021	1	92,480.20		0.68873
KY_RS	11/10/2021	2	86,786.43		0.64633
KY_RS	11/10/2021	3	84,224.61		0.62725
KY_RS	11/10/2021	4	83,806.93		0.62414
KY_RS	11/10/2021	5	87,807.59		0.65394
KY_RS	11/10/2021	6	98,998.76		0.73728

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/10/2021	7	118,097.72		0.87952
KY_RS	11/10/2021	8	126,335.86		0.94087
KY_RS	11/10/2021	9	120,272.67		0.89572
KY_RS	11/10/2021	10	114,436.36		0.85225
KY_RS	11/10/2021	11	109,472.75		0.81528
KY_RS	11/10/2021	12	105,330.55		0.78444
KY_RS	11/10/2021	13	102,849.03		0.76596
KY_RS	11/10/2021	14	100,441.92		0.74803
KY_RS	11/10/2021	15	99,910.07		0.74407
KY_RS	11/10/2021	16	103,925.68		0.77397
KY_RS	11/10/2021	17	113,858.88		0.84795
KY_RS	11/10/2021	18	132,302.35		0.98531
KY_RS	11/10/2021	19	145,413.66		1.08295
KY_RS	11/10/2021	20	145,317.39		1.08223
KY_RS	11/10/2021	21	139,993.37		1.04258
KY_RS	11/10/2021	22	130,789.61		0.97404
KY_RS	11/10/2021	23	116,133.08		0.86489
KY_RS	11/10/2021	24	101,764.98		0.75788
KY_RS	11/11/2021	1	92,107.90		0.68596
KY_RS	11/11/2021	2	86,903.02		0.6472
KY_RS	11/11/2021	3	85,003.66		0.63305
KY_RS	11/11/2021	4	85,452.81		0.6364
KY_RS	11/11/2021	5	88,747.52		0.66094
KY_RS	11/11/2021	6	97,986.23		0.72974
KY_RS	11/11/2021	7	115,749.72		0.86203
KY_RS	11/11/2021	8	124,164.61		0.9247
KY_RS	11/11/2021	9	118,967.41		0.886
KY_RS	11/11/2021	10	113,199.69		0.84304
KY_RS	11/11/2021	11	110,850.89		0.82555
KY_RS	11/11/2021	12	107,818.83		0.80297
KY_RS	11/11/2021	13	106,548.56		0.79351
KY_RS	11/11/2021	14	110,142.36		0.82027
KY_RS	11/11/2021	15	112,234.73		0.83585
KY_RS	11/11/2021	16	120,802.72		0.89966
KY_RS	11/11/2021	17	133,308.72		0.9928
KY_RS	11/11/2021	18	149,779.70		1.11547
KY_RS	11/11/2021	19	155,068.18		1.15485
KY_RS	11/11/2021	20	153,983.77		1.14678
KY_RS	11/11/2021	21	150,291.32		1.11928
KY_RS	11/11/2021	22	142,036.63		1.0578
KY_RS	11/11/2021	23	128,380.03		0.95609
KY_RS	11/11/2021	24	115,345.18		0.85902
KY_RS	11/12/2021	1	107,245.87		0.7987
KY_RS	11/12/2021	2	103,229.75		0.76879
KY_RS	11/12/2021	3	102,468.87		0.76312
KY_RS	11/12/2021	4	103,655.13		0.77196
KY_RS	11/12/2021	5	108,689.15		0.80945

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/12/2021	6	120,402.31		0.89668
KY_RS	11/12/2021	7	139,911.86		1.04198
KY_RS	11/12/2021	8	148,814.06		1.10827
KY_RS	11/12/2021	9	143,074.80		1.06553
KY_RS	11/12/2021	10	134,434.17		1.00118
KY_RS	11/12/2021	11	127,140.03		0.94686
KY_RS	11/12/2021	12	123,697.50		0.92122
KY_RS	11/12/2021	13	126,692.25		0.94352
KY_RS	11/12/2021	14	129,554.70		0.96484
KY_RS	11/12/2021	15	134,023.56		0.99812
KY_RS	11/12/2021	16	144,319.75		1.0748
KY_RS	11/12/2021	17	160,963.14		1.19875
KY_RS	11/12/2021	18	171,864.28		1.27994
KY_RS	11/12/2021	19	173,389.59		1.2913
KY_RS	11/12/2021	20	168,513.04		1.25498
KY_RS	11/12/2021	21	164,892.06		1.22801
KY_RS	11/12/2021	22	160,709.91		1.19687
KY_RS	11/12/2021	23	154,030.11		1.14712
KY_RS	11/12/2021	24	145,001.59		1.07988
KY_RS	11/13/2021	1	136,337.81		1.01536
KY_RS	11/13/2021	2	131,908.31		0.98237
KY_RS	11/13/2021	3	131,078.92		0.97619
KY_RS	11/13/2021	4	131,828.80		0.98178
KY_RS	11/13/2021	5	135,441.68		1.00869
KY_RS	11/13/2021	6	141,659.44		1.05499
KY_RS	11/13/2021	7	149,841.82		1.11593
KY_RS	11/13/2021	8	163,956.97		1.22105
KY_RS	11/13/2021	9	175,890.65		1.30992
KY_RS	11/13/2021	10	179,200.62		1.33457
KY_RS	11/13/2021	11	179,205.32		1.33461
KY_RS	11/13/2021	12	180,614.02		1.3451
KY_RS	11/13/2021	13	180,583.10		1.34487
KY_RS	11/13/2021	14	179,652.43		1.33794
KY_RS	11/13/2021	15	180,224.77		1.3422
KY_RS	11/13/2021	16	181,188.89		1.34938
KY_RS	11/13/2021	17	188,005.28		1.40015
KY_RS	11/13/2021	18	195,917.37		1.45907
KY_RS	11/13/2021	19	197,317.80		1.4695
KY_RS	11/13/2021	20	192,045.55		1.43024
KY_RS	11/13/2021	21	187,363.38		1.39537
KY_RS	11/13/2021	22	180,647.28		1.34535
KY_RS	11/13/2021	23	170,386.73		1.26893
KY_RS	11/13/2021	24	159,314.92		1.18648
KY_RS	11/14/2021	1	149,376.28		1.11246
KY_RS	11/14/2021	2	142,826.20		1.06368
KY_RS	11/14/2021	3	139,086.39		1.03583
KY_RS	11/14/2021	4	138,823.48		1.03387

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/14/2021	5	140,706.03		1.04789
KY_RS	11/14/2021	6	146,458.36		1.09073
KY_RS	11/14/2021	7	154,392.37		1.14982
KY_RS	11/14/2021	8	167,078.06		1.24429
KY_RS	11/14/2021	9	182,532.71		1.35939
KY_RS	11/14/2021	10	192,310.36		1.43221
KY_RS	11/14/2021	11	200,871.40		1.49596
KY_RS	11/14/2021	12	205,633.90		1.53143
KY_RS	11/14/2021	13	208,200.52		1.55055
KY_RS	11/14/2021	14	206,353.84		1.53679
KY_RS	11/14/2021	15	204,948.18		1.52633
KY_RS	11/14/2021	16	203,569.79		1.51606
KY_RS	11/14/2021	17	211,947.89		1.57846
KY_RS	11/14/2021	18	227,995.62		1.69797
KY_RS	11/14/2021	19	230,902.95		1.71962
KY_RS	11/14/2021	20	229,147.58		1.70655
KY_RS	11/14/2021	21	221,447.66		1.6492
KY_RS	11/14/2021	22	207,411.11		1.54467
KY_RS	11/14/2021	23	189,995.49		1.41497
KY_RS	11/14/2021	24	172,542.36		1.28499
KY_RS	11/15/2021	1	162,246.19		1.20831
KY_RS	11/15/2021	2	155,983.46		1.16167
KY_RS	11/15/2021	3	153,114.38		1.1403
KY_RS	11/15/2021	4	152,629.01		1.13669
KY_RS	11/15/2021	5	156,255.49		1.16369
KY_RS	11/15/2021	6	167,820.84		1.24982
KY_RS	11/15/2021	7	188,676.99		1.40515
KY_RS	11/15/2021	8	198,080.43		1.47518
KY_RS	11/15/2021	9	187,098.68		1.39339
KY_RS	11/15/2021	10	173,277.48		1.29046
KY_RS	11/15/2021	11	162,456.96		1.20988
KY_RS	11/15/2021	12	158,994.15		1.18409
KY_RS	11/15/2021	13	154,503.25		1.15064
KY_RS	11/15/2021	14	153,602.65		1.14394
KY_RS	11/15/2021	15	151,862.76		1.13098
KY_RS	11/15/2021	16	160,002.38		1.1916
KY_RS	11/15/2021	17	177,711.90		1.32349
KY_RS	11/15/2021	18	201,383.02		1.49978
KY_RS	11/15/2021	19	211,198.91		1.57288
KY_RS	11/15/2021	20	209,651.28		1.56135
KY_RS	11/15/2021	21	203,237.35		1.51358
KY_RS	11/15/2021	22	190,323.57		1.41741
KY_RS	11/15/2021	23	171,930.62		1.28043
KY_RS	11/15/2021	24	155,218.88		1.15597
KY_RS	11/16/2021	1	144,447.17		1.07575
KY_RS	11/16/2021	2	140,952.53		1.04973
KY_RS	11/16/2021	3	141,820.49		1.05619

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/16/2021	4	145,445.46		1.08319
KY_RS	11/16/2021	5	151,386.66		1.12743
KY_RS	11/16/2021	6	163,331.70		1.21639
KY_RS	11/16/2021	7	182,721.24		1.36079
KY_RS	11/16/2021	8	188,356.11		1.40276
KY_RS	11/16/2021	9	176,227.07		1.31243
KY_RS	11/16/2021	10	159,945.77		1.19118
KY_RS	11/16/2021	11	145,459.65		1.08329
KY_RS	11/16/2021	12	133,917.88		0.99734
KY_RS	11/16/2021	13	126,217.85		0.93999
KY_RS	11/16/2021	14	119,179.28		0.88757
KY_RS	11/16/2021	15	116,299.10		0.86612
KY_RS	11/16/2021	16	119,796.77		0.89217
KY_RS	11/16/2021	17	129,759.47		0.96637
KY_RS	11/16/2021	18	153,352.84		1.14208
KY_RS	11/16/2021	19	167,878.06		1.25025
KY_RS	11/16/2021	20	169,666.49		1.26357
KY_RS	11/16/2021	21	165,829.79		1.235
KY_RS	11/16/2021	22	155,681.26		1.15942
KY_RS	11/16/2021	23	137,918.07		1.02713
KY_RS	11/16/2021	24	120,313.61		0.89602
KY_RS	11/17/2021	1	107,570.12		0.80112
KY_RS	11/17/2021	2	100,549.03		0.74883
KY_RS	11/17/2021	3	95,478.05		0.71106
KY_RS	11/17/2021	4	93,264.60		0.69458
KY_RS	11/17/2021	5	94,114.77		0.70091
KY_RS	11/17/2021	6	101,616.11		0.75677
KY_RS	11/17/2021	7	117,253.95		0.87323
KY_RS	11/17/2021	8	122,866.59		0.91503
KY_RS	11/17/2021	9	115,813.27		0.86251
KY_RS	11/17/2021	10	111,643.83		0.83145
KY_RS	11/17/2021	11	108,246.05		0.80615
KY_RS	11/17/2021	12	106,258.20		0.79134
KY_RS	11/17/2021	13	107,804.72		0.80286
KY_RS	11/17/2021	14	104,260.22		0.77647
KY_RS	11/17/2021	15	102,169.19		0.76089
KY_RS	11/17/2021	16	105,791.98		0.78787
KY_RS	11/17/2021	17	117,352.02		0.87396
KY_RS	11/17/2021	18	135,530.04		1.00934
KY_RS	11/17/2021	19	148,261.74		1.10416
KY_RS	11/17/2021	20	148,171.92		1.10349
KY_RS	11/17/2021	21	144,137.58		1.07345
KY_RS	11/17/2021	22	134,074.33		0.9985
KY_RS	11/17/2021	23	118,192.87		0.88023
KY_RS	11/17/2021	24	101,509.37		0.75598
KY_RS	11/18/2021	1	89,607.54		0.66734
KY_RS	11/18/2021	2	82,417.41		0.61379

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/18/2021	3	80,186.57		0.59718
KY_RS	11/18/2021	4	82,204.30		0.61221
KY_RS	11/18/2021	5	87,978.10		0.65521
KY_RS	11/18/2021	6	100,736.96		0.75023
KY_RS	11/18/2021	7	121,179.58		0.90247
KY_RS	11/18/2021	8	133,024.19		0.99068
KY_RS	11/18/2021	9	135,126.40		1.00634
KY_RS	11/18/2021	10	137,476.02		1.02384
KY_RS	11/18/2021	11	134,711.12		1.00324
KY_RS	11/18/2021	12	131,462.59		0.97905
KY_RS	11/18/2021	13	132,781.29		0.98887
KY_RS	11/18/2021	14	128,885.57		0.95986
KY_RS	11/18/2021	15	124,954.10		0.93058
KY_RS	11/18/2021	16	130,530.99		0.97211
KY_RS	11/18/2021	17	146,089.47		1.08798
KY_RS	11/18/2021	18	172,417.11		1.28406
KY_RS	11/18/2021	19	188,512.45		1.40392
KY_RS	11/18/2021	20	192,043.79		1.43022
KY_RS	11/18/2021	21	191,755.24		1.42807
KY_RS	11/18/2021	22	184,453.23		1.37369
KY_RS	11/18/2021	23	171,343.88		1.27606
KY_RS	11/18/2021	24	159,144.79		1.18521
KY_RS	11/19/2021	1	151,276.58		1.12661
KY_RS	11/19/2021	2	148,990.15		1.10959
KY_RS	11/19/2021	3	147,605.69		1.09928
KY_RS	11/19/2021	4	148,397.12		1.10517
KY_RS	11/19/2021	5	153,756.09		1.14508
KY_RS	11/19/2021	6	165,549.13		1.23291
KY_RS	11/19/2021	7	186,982.02		1.39253
KY_RS	11/19/2021	8	197,973.51		1.47438
KY_RS	11/19/2021	9	189,423.02		1.4107
KY_RS	11/19/2021	10	175,776.48		1.30907
KY_RS	11/19/2021	11	164,293.37		1.22355
KY_RS	11/19/2021	12	155,751.93		1.15994
KY_RS	11/19/2021	13	148,476.81		1.10576
KY_RS	11/19/2021	14	141,624.10		1.05473
KY_RS	11/19/2021	15	137,740.37		1.0258
KY_RS	11/19/2021	16	143,201.30		1.06647
KY_RS	11/19/2021	17	155,781.14		1.16016
KY_RS	11/19/2021	18	178,680.22		1.3307
KY_RS	11/19/2021	19	190,193.96		1.41645
KY_RS	11/19/2021	20	193,083.77		1.43797
KY_RS	11/19/2021	21	193,822.60		1.44347
KY_RS	11/19/2021	22	192,276.16		1.43195
KY_RS	11/19/2021	23	186,091.88		1.3859
KY_RS	11/19/2021	24	177,209.54		1.31975
KY_RS	11/20/2021	1	167,420.91		1.24685

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/20/2021	2	160,032.36		1.19182
KY_RS	11/20/2021	3	156,817.60		1.16788
KY_RS	11/20/2021	4	156,660.31		1.16671
KY_RS	11/20/2021	5	157,927.40		1.17614
KY_RS	11/20/2021	6	163,900.70		1.22063
KY_RS	11/20/2021	7	171,028.87		1.27372
KY_RS	11/20/2021	8	182,186.71		1.35681
KY_RS	11/20/2021	9	193,046.63		1.43769
KY_RS	11/20/2021	10	195,412.45		1.45531
KY_RS	11/20/2021	11	188,687.45		1.40523
KY_RS	11/20/2021	12	180,992.56		1.34792
KY_RS	11/20/2021	13	173,377.96		1.29121
KY_RS	11/20/2021	14	165,510.87		1.23262
KY_RS	11/20/2021	15	164,509.17		1.22516
KY_RS	11/20/2021	16	164,170.09		1.22264
KY_RS	11/20/2021	17	168,547.10		1.25523
KY_RS	11/20/2021	18	175,468.11		1.30678
KY_RS	11/20/2021	19	175,718.34		1.30864
KY_RS	11/20/2021	20	174,464.46		1.2993
KY_RS	11/20/2021	21	172,988.52		1.28831
KY_RS	11/20/2021	22	168,305.20		1.25343
KY_RS	11/20/2021	23	161,376.09		1.20183
KY_RS	11/20/2021	24	151,634.64		1.12928
KY_RS	11/21/2021	1	143,597.94		1.06943
KY_RS	11/21/2021	2	137,253.88		1.02218
KY_RS	11/21/2021	3	131,741.91		0.98113
KY_RS	11/21/2021	4	128,098.47		0.954
KY_RS	11/21/2021	5	127,688.44		0.95094
KY_RS	11/21/2021	6	129,636.36		0.96545
KY_RS	11/21/2021	7	134,421.28		1.00109
KY_RS	11/21/2021	8	145,672.19		1.08488
KY_RS	11/21/2021	9	161,505.24		1.20279
KY_RS	11/21/2021	10	175,452.25		1.30666
KY_RS	11/21/2021	11	185,542.34		1.3818
KY_RS	11/21/2021	12	189,814.28		1.41362
KY_RS	11/21/2021	13	192,776.64		1.43568
KY_RS	11/21/2021	14	193,076.85		1.43792
KY_RS	11/21/2021	15	191,018.89		1.42259
KY_RS	11/21/2021	16	189,895.77		1.41423
KY_RS	11/21/2021	17	193,538.47		1.44135
KY_RS	11/21/2021	18	201,810.08		1.50296
KY_RS	11/21/2021	19	200,948.43		1.49654
KY_RS	11/21/2021	20	199,627.65		1.4867
KY_RS	11/21/2021	21	191,906.31		1.4292
KY_RS	11/21/2021	22	178,885.23		1.33223
KY_RS	11/21/2021	23	161,786.04		1.20488
KY_RS	11/21/2021	24	143,622.91		1.06961

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/22/2021	1	131,690.94		0.98075
KY_RS	11/22/2021	2	127,721.26		0.95119
KY_RS	11/22/2021	3	129,880.68		0.96727
KY_RS	11/22/2021	4	135,181.32		1.00675
KY_RS	11/22/2021	5	142,993.19		1.06492
KY_RS	11/22/2021	6	156,960.05		1.16894
KY_RS	11/22/2021	7	177,847.85		1.3245
KY_RS	11/22/2021	8	188,563.46		1.4043
KY_RS	11/22/2021	9	185,608.10		1.38229
KY_RS	11/22/2021	10	181,983.07		1.3553
KY_RS	11/22/2021	11	172,340.79		1.28349
KY_RS	11/22/2021	12	163,032.68		1.21417
KY_RS	11/22/2021	13	156,323.95		1.1642
KY_RS	11/22/2021	14	151,135.71		1.12556
KY_RS	11/22/2021	15	148,027.65		1.10242
KY_RS	11/22/2021	16	152,893.24		1.13865
KY_RS	11/22/2021	17	169,896.08		1.26528
KY_RS	11/22/2021	18	202,050.76		1.50475
KY_RS	11/22/2021	19	218,498.30		1.62724
KY_RS	11/22/2021	20	223,183.78		1.66213
KY_RS	11/22/2021	21	222,215.14		1.65492
KY_RS	11/22/2021	22	215,300.10		1.60342
KY_RS	11/22/2021	23	201,167.49		1.49817
KY_RS	11/22/2021	24	187,595.94		1.3971
KY_RS	11/23/2021	1	179,976.56		1.34035
KY_RS	11/23/2021	2	177,819.43		1.32429
KY_RS	11/23/2021	3	179,095.39		1.33379
KY_RS	11/23/2021	4	182,796.77		1.36136
KY_RS	11/23/2021	5	189,124.91		1.40848
KY_RS	11/23/2021	6	202,413.73		1.50745
KY_RS	11/23/2021	7	221,875.73		1.65239
KY_RS	11/23/2021	8	231,462.63		1.72379
KY_RS	11/23/2021	9	220,094.97		1.63913
KY_RS	11/23/2021	10	200,013.55		1.48958
KY_RS	11/23/2021	11	183,555.46		1.36701
KY_RS	11/23/2021	12	172,932.75		1.2879
KY_RS	11/23/2021	13	165,049.10		1.22918
KY_RS	11/23/2021	14	156,463.53		1.16524
KY_RS	11/23/2021	15	151,375.24		1.12735
KY_RS	11/23/2021	16	154,159.60		1.14808
KY_RS	11/23/2021	17	168,767.95		1.25688
KY_RS	11/23/2021	18	196,554.43		1.46381
KY_RS	11/23/2021	19	213,073.72		1.58684
KY_RS	11/23/2021	20	216,758.71		1.61428
KY_RS	11/23/2021	21	217,074.32		1.61663
KY_RS	11/23/2021	22	209,441.08		1.55979
KY_RS	11/23/2021	23	197,302.35		1.46938

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/23/2021	24	183,014.39		1.36298
KY_RS	11/24/2021	1	173,135.60		1.28941
KY_RS	11/24/2021	2	167,942.29		1.25073
KY_RS	11/24/2021	3	165,847.09		1.23513
KY_RS	11/24/2021	4	166,565.64		1.24048
KY_RS	11/24/2021	5	171,420.57		1.27663
KY_RS	11/24/2021	6	180,582.30		1.34486
KY_RS	11/24/2021	7	192,222.63		1.43155
KY_RS	11/24/2021	8	203,211.59		1.51339
KY_RS	11/24/2021	9	201,661.57		1.50185
KY_RS	11/24/2021	10	192,133.61		1.43089
KY_RS	11/24/2021	11	181,260.92		1.34992
KY_RS	11/24/2021	12	171,618.55		1.27811
KY_RS	11/24/2021	13	163,618.65		1.21853
KY_RS	11/24/2021	14	156,469.30		1.16529
KY_RS	11/24/2021	15	153,407.97		1.14249
KY_RS	11/24/2021	16	154,604.01		1.15139
KY_RS	11/24/2021	17	160,539.68		1.1956
KY_RS	11/24/2021	18	180,255.26		1.34243
KY_RS	11/24/2021	19	187,266.19		1.39464
KY_RS	11/24/2021	20	184,617.53		1.37492
KY_RS	11/24/2021	21	179,934.26		1.34004
KY_RS	11/24/2021	22	172,626.16		1.28561
KY_RS	11/24/2021	23	161,155.99		1.20019
KY_RS	11/24/2021	24	146,303.90		1.08958
KY_RS	11/25/2021	1	132,954.45		0.99016
KY_RS	11/25/2021	2	123,644.32		0.92083
KY_RS	11/25/2021	3	118,002.07		0.87881
KY_RS	11/25/2021	4	114,974.39		0.85626
KY_RS	11/25/2021	5	114,651.59		0.85385
KY_RS	11/25/2021	6	117,992.47		0.87873
KY_RS	11/25/2021	7	124,832.57		0.92968
KY_RS	11/25/2021	8	139,039.01		1.03548
KY_RS	11/25/2021	9	164,321.95		1.22377
KY_RS	11/25/2021	10	189,620.62		1.41218
KY_RS	11/25/2021	11	208,196.82		1.55052
KY_RS	11/25/2021	12	220,030.94		1.63865
KY_RS	11/25/2021	13	218,878.41		1.63007
KY_RS	11/25/2021	14	207,974.21		1.54886
KY_RS	11/25/2021	15	196,657.55		1.46458
KY_RS	11/25/2021	16	184,700.60		1.37553
KY_RS	11/25/2021	17	175,656.56		1.30818
KY_RS	11/25/2021	18	170,659.69		1.27097
KY_RS	11/25/2021	19	168,468.93		1.25465
KY_RS	11/25/2021	20	169,965.54		1.2658
KY_RS	11/25/2021	21	172,046.36		1.28129
KY_RS	11/25/2021	22	172,689.25		1.28608

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/25/2021	23	166,866.93		1.24272
KY_RS	11/25/2021	24	157,693.72		1.1744
KY_RS	11/26/2021	1	151,033.95		1.12481
KY_RS	11/26/2021	2	148,391.51		1.10513
KY_RS	11/26/2021	3	148,212.05		1.10379
KY_RS	11/26/2021	4	149,942.79		1.11668
KY_RS	11/26/2021	5	154,930.82		1.15383
KY_RS	11/26/2021	6	161,752.60		1.20463
KY_RS	11/26/2021	7	169,843.73		1.26489
KY_RS	11/26/2021	8	180,502.70		1.34427
KY_RS	11/26/2021	9	194,450.09		1.44814
KY_RS	11/26/2021	10	205,156.00		1.52787
KY_RS	11/26/2021	11	208,966.14		1.55625
KY_RS	11/26/2021	12	202,293.21		1.50655
KY_RS	11/26/2021	13	193,889.34		1.44397
KY_RS	11/26/2021	14	185,131.15		1.37874
KY_RS	11/26/2021	15	177,795.50		1.32411
KY_RS	11/26/2021	16	177,793.38		1.32409
KY_RS	11/26/2021	17	189,648.57		1.41238
KY_RS	11/26/2021	18	207,462.35		1.54505
KY_RS	11/26/2021	19	212,150.08		1.57996
KY_RS	11/26/2021	20	210,444.30		1.56726
KY_RS	11/26/2021	21	207,900.56		1.54831
KY_RS	11/26/2021	22	202,341.15		1.50691
KY_RS	11/26/2021	23	193,836.52		1.44357
KY_RS	11/26/2021	24	181,732.97		1.35343
KY_RS	11/27/2021	1	171,424.95		1.27667
KY_RS	11/27/2021	2	164,666.86		1.22634
KY_RS	11/27/2021	3	161,307.73		1.20132
KY_RS	11/27/2021	4	159,795.01		1.19005
KY_RS	11/27/2021	5	160,584.38		1.19593
KY_RS	11/27/2021	6	163,764.37		1.21961
KY_RS	11/27/2021	7	168,120.84		1.25206
KY_RS	11/27/2021	8	177,205.74		1.31972
KY_RS	11/27/2021	9	190,166.17		1.41624
KY_RS	11/27/2021	10	195,642.02		1.45702
KY_RS	11/27/2021	11	188,974.93		1.40737
KY_RS	11/27/2021	12	186,025.86		1.3854
KY_RS	11/27/2021	13	182,541.80		1.35946
KY_RS	11/27/2021	14	178,651.32		1.33048
KY_RS	11/27/2021	15	175,109.02		1.3041
KY_RS	11/27/2021	16	175,375.56		1.30609
KY_RS	11/27/2021	17	179,204.88		1.33461
KY_RS	11/27/2021	18	187,125.51		1.39359
KY_RS	11/27/2021	19	190,213.99		1.4166
KY_RS	11/27/2021	20	187,275.91		1.39471
KY_RS	11/27/2021	21	184,508.74		1.37411

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/27/2021	22	178,268.97		1.32764
KY_RS	11/27/2021	23	169,903.98		1.26534
KY_RS	11/27/2021	24	158,358.14		1.17935
KY_RS	11/28/2021	1	147,226.75		1.09645
KY_RS	11/28/2021	2	140,428.18		1.04582
KY_RS	11/28/2021	3	136,865.30		1.01929
KY_RS	11/28/2021	4	136,994.13		1.02025
KY_RS	11/28/2021	5	139,083.40		1.03581
KY_RS	11/28/2021	6	145,198.48		1.08135
KY_RS	11/28/2021	7	153,470.93		1.14296
KY_RS	11/28/2021	8	166,323.23		1.23867
KY_RS	11/28/2021	9	180,381.02		1.34337
KY_RS	11/28/2021	10	187,387.03		1.39554
KY_RS	11/28/2021	11	186,059.36		1.38565
KY_RS	11/28/2021	12	180,459.13		1.34395
KY_RS	11/28/2021	13	177,183.51		1.31955
KY_RS	11/28/2021	14	171,804.18		1.27949
KY_RS	11/28/2021	15	168,574.01		1.25543
KY_RS	11/28/2021	16	169,514.13		1.26244
KY_RS	11/28/2021	17	181,359.19		1.35065
KY_RS	11/28/2021	18	207,720.60		1.54697
KY_RS	11/28/2021	19	224,358.36		1.67088
KY_RS	11/28/2021	20	228,422.86		1.70115
KY_RS	11/28/2021	21	224,294.20		1.6704
KY_RS	11/28/2021	22	213,620.26		1.59091
KY_RS	11/28/2021	23	197,723.57		1.47252
KY_RS	11/28/2021	24	180,656.65		1.34542
KY_RS	11/29/2021	1	170,846.05		1.27235
KY_RS	11/29/2021	2	166,970.12		1.24349
KY_RS	11/29/2021	3	167,601.11		1.24819
KY_RS	11/29/2021	4	170,650.80		1.2709
KY_RS	11/29/2021	5	177,694.61		1.32336
KY_RS	11/29/2021	6	191,864.13		1.42888
KY_RS	11/29/2021	7	213,260.77		1.58823
KY_RS	11/29/2021	8	222,555.62		1.65746
KY_RS	11/29/2021	9	214,750.06		1.59932
KY_RS	11/29/2021	10	195,969.79		1.45946
KY_RS	11/29/2021	11	180,513.00		1.34435
KY_RS	11/29/2021	12	169,448.07		1.26194
KY_RS	11/29/2021	13	162,821.38		1.21259
KY_RS	11/29/2021	14	154,988.83		1.15426
KY_RS	11/29/2021	15	150,849.56		1.12343
KY_RS	11/29/2021	16	155,040.89		1.15465
KY_RS	11/29/2021	17	173,684.43		1.29349
KY_RS	11/29/2021	18	205,462.36		1.53016
KY_RS	11/29/2021	19	218,723.17		1.62891
KY_RS	11/29/2021	20	218,518.32		1.62739

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	11/29/2021	21	214,490.86		1.59739
KY_RS	11/29/2021	22	203,579.31		1.51613
KY_RS	11/29/2021	23	186,405.30		1.38823
KY_RS	11/29/2021	24	168,222.54		1.25282
KY_RS	11/30/2021	1	156,535.01		1.16578
KY_RS	11/30/2021	2	151,254.67		1.12645
KY_RS	11/30/2021	3	148,814.49		1.10828
KY_RS	11/30/2021	4	149,437.63		1.11292
KY_RS	11/30/2021	5	153,053.27		1.13985
KY_RS	11/30/2021	6	163,040.18		1.21422
KY_RS	11/30/2021	7	179,034.19		1.33333
KY_RS	11/30/2021	8	185,387.59		1.38065
KY_RS	11/30/2021	9	175,889.55		1.30992
KY_RS	11/30/2021	10	163,141.82		1.21498
KY_RS	11/30/2021	11	151,021.10		1.12471
KY_RS	11/30/2021	12	143,085.66		1.06561
KY_RS	11/30/2021	13	136,765.23		1.01854
KY_RS	11/30/2021	14	130,232.77		0.96989
KY_RS	11/30/2021	15	126,487.07		0.942
KY_RS	11/30/2021	16	129,042.34		0.96103
KY_RS	11/30/2021	17	142,577.34		1.06183
KY_RS	11/30/2021	18	172,017.72		1.28108
KY_RS	11/30/2021	19	190,088.29		1.41566
KY_RS	11/30/2021	20	194,520.08		1.44866
KY_RS	11/30/2021	21	194,223.42		1.44645
KY_RS	11/30/2021	22	186,752.59		1.39082
KY_RS	11/30/2021	23	172,997.52		1.28838
KY_RS	11/30/2021	24	157,589.50		1.17363
KY_RS	12/01/2021	1	148,320.48		1.1046
KY_RS	12/01/2021	2	145,506.68		1.08364
KY_RS	12/01/2021	3	146,222.06		1.08897
KY_RS	12/01/2021	4	149,051.17		1.11004
KY_RS	12/01/2021	5	153,909.27		1.14622
KY_RS	12/01/2021	6	163,270.18		1.21593
KY_RS	12/01/2021	7	178,899.71		1.33233
KY_RS	12/01/2021	8	183,313.71		1.36521
KY_RS	12/01/2021	9	176,672.01		1.31574
KY_RS	12/01/2021	10	172,104.12		1.28172
KY_RS	12/01/2021	11	168,058.54		1.2516
KY_RS	12/01/2021	12	165,941.67		1.23583
KY_RS	12/01/2021	13	163,850.64		1.22026
KY_RS	12/01/2021	14	157,750.77		1.17483
KY_RS	12/01/2021	15	151,389.37		1.12745
KY_RS	12/01/2021	16	156,120.44		1.16269
KY_RS	12/01/2021	17	169,074.14		1.25916
KY_RS	12/01/2021	18	188,493.57		1.40378
KY_RS	12/01/2021	19	193,858.21		1.44374

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	12/01/2021	20	191,499.42		1.42617
KY_RS	12/01/2021	21	186,678.25		1.39026
KY_RS	12/01/2021	22	176,224.36		1.31241
KY_RS	12/01/2021	23	157,803.04		1.17522
KY_RS	12/01/2021	24	137,233.42		1.02203
KY_RS	12/02/2021	1	122,247.70		0.91042
KY_RS	12/02/2021	2	114,123.11		0.84992
KY_RS	12/02/2021	3	109,543.37		0.81581
KY_RS	12/02/2021	4	108,148.47		0.80542
KY_RS	12/02/2021	5	110,672.11		0.82422
KY_RS	12/02/2021	6	120,341.19		0.89623
KY_RS	12/02/2021	7	138,042.52		1.02805
KY_RS	12/02/2021	8	145,671.36		1.08487
KY_RS	12/02/2021	9	139,628.06		1.03986
KY_RS	12/02/2021	10	130,697.13		0.97335
KY_RS	12/02/2021	11	124,526.01		0.92739
KY_RS	12/02/2021	12	118,661.55		0.88372
KY_RS	12/02/2021	13	114,744.54		0.85455
KY_RS	12/02/2021	14	111,768.79		0.83238
KY_RS	12/02/2021	15	109,933.18		0.81871
KY_RS	12/02/2021	16	113,078.78		0.84214
KY_RS	12/02/2021	17	123,161.18		0.91723
KY_RS	12/02/2021	18	146,661.51		1.09224
KY_RS	12/02/2021	19	161,824.55		1.20517
KY_RS	12/02/2021	20	164,028.96		1.22159
KY_RS	12/02/2021	21	163,147.82		1.21502
KY_RS	12/02/2021	22	155,439.12		1.15761
KY_RS	12/02/2021	23	142,103.19		1.0583
KY_RS	12/02/2021	24	126,622.55		0.94301
KY_RS	12/03/2021	1	116,043.41		0.86422
KY_RS	12/03/2021	2	111,880.61		0.83322
KY_RS	12/03/2021	3	111,406.83		0.82969
KY_RS	12/03/2021	4	114,864.93		0.85544
KY_RS	12/03/2021	5	122,236.99		0.91034
KY_RS	12/03/2021	6	135,348.28		1.00799
KY_RS	12/03/2021	7	155,661.28		1.15927
KY_RS	12/03/2021	8	165,471.44		1.23233
KY_RS	12/03/2021	9	160,495.86		1.19527
KY_RS	12/03/2021	10	148,170.16		1.10348
KY_RS	12/03/2021	11	138,709.21		1.03302
KY_RS	12/03/2021	12	130,524.64		0.97207
KY_RS	12/03/2021	13	124,332.80		0.92595
KY_RS	12/03/2021	14	118,875.86		0.88531
KY_RS	12/03/2021	15	115,584.57		0.8608
KY_RS	12/03/2021	16	118,347.42		0.88138
KY_RS	12/03/2021	17	127,830.51		0.952
KY_RS	12/03/2021	18	148,409.91		1.10526

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	12/03/2021	19	158,746.87		1.18225
KY_RS	12/03/2021	20	158,700.53		1.1819
KY_RS	12/03/2021	21	158,125.48		1.17762
KY_RS	12/03/2021	22	154,853.74		1.15325
KY_RS	12/03/2021	23	147,865.41		1.10121
KY_RS	12/03/2021	24	136,802.05		1.01882
KY_RS	12/04/2021	1	127,505.26		0.94958
KY_RS	12/04/2021	2	122,461.19		0.91201
KY_RS	12/04/2021	3	120,561.33		0.89787
KY_RS	12/04/2021	4	121,523.00		0.90503
KY_RS	12/04/2021	5	125,314.34		0.93326
KY_RS	12/04/2021	6	131,657.91		0.98051
KY_RS	12/04/2021	7	141,600.54		1.05455
KY_RS	12/04/2021	8	155,638.38		1.1591
KY_RS	12/04/2021	9	168,054.92		1.25157
KY_RS	12/04/2021	10	168,460.63		1.25459
KY_RS	12/04/2021	11	162,679.31		1.21153
KY_RS	12/04/2021	12	157,500.77		1.17297
KY_RS	12/04/2021	13	152,765.88		1.1377
KY_RS	12/04/2021	14	146,809.68		1.09335
KY_RS	12/04/2021	15	143,349.67		1.06758
KY_RS	12/04/2021	16	143,921.44		1.07184
KY_RS	12/04/2021	17	151,648.69		1.12938
KY_RS	12/04/2021	18	168,526.04		1.25508
KY_RS	12/04/2021	19	177,618.49		1.32279
KY_RS	12/04/2021	20	178,288.68		1.32778
KY_RS	12/04/2021	21	181,718.78		1.35333
KY_RS	12/04/2021	22	179,032.62		1.33332
KY_RS	12/04/2021	23	172,512.50		1.28477
KY_RS	12/04/2021	24	162,866.27		1.21293
KY_RS	12/05/2021	1	152,998.95		1.13944
KY_RS	12/05/2021	2	146,689.77		1.09245
KY_RS	12/05/2021	3	144,224.31		1.07409
KY_RS	12/05/2021	4	144,673.90		1.07744
KY_RS	12/05/2021	5	147,471.93		1.09828
KY_RS	12/05/2021	6	152,409.54		1.13505
KY_RS	12/05/2021	7	158,861.14		1.1831
KY_RS	12/05/2021	8	169,292.89		1.26079
KY_RS	12/05/2021	9	182,387.71		1.35831
KY_RS	12/05/2021	10	190,685.77		1.42011
KY_RS	12/05/2021	11	188,132.93		1.4011
KY_RS	12/05/2021	12	185,920.67		1.38462
KY_RS	12/05/2021	13	183,191.30		1.36429
KY_RS	12/05/2021	14	168,168.07		1.25241
KY_RS	12/05/2021	15	158,238.42		1.17846
KY_RS	12/05/2021	16	156,249.47		1.16365
KY_RS	12/05/2021	17	166,948.78		1.24333

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	12/05/2021	18	186,751.58		1.39081
KY_RS	12/05/2021	19	190,452.00		1.41837
KY_RS	12/05/2021	20	188,053.15		1.4005
KY_RS	12/05/2021	21	180,227.00		1.34222
KY_RS	12/05/2021	22	165,254.56		1.23071
KY_RS	12/05/2021	23	143,887.67		1.07159
KY_RS	12/05/2021	24	121,986.65		0.90848
KY_RS	12/06/2021	1	105,892.46		0.78862
KY_RS	12/06/2021	2	95,924.13		0.71438
KY_RS	12/06/2021	3	91,268.63		0.67971
KY_RS	12/06/2021	4	89,476.27		0.66636
KY_RS	12/06/2021	5	92,116.52		0.68603
KY_RS	12/06/2021	6	100,371.47		0.7475
KY_RS	12/06/2021	7	118,580.05		0.88311
KY_RS	12/06/2021	8	132,043.17		0.98338
KY_RS	12/06/2021	9	135,788.90		1.01127
KY_RS	12/06/2021	10	141,880.27		1.05664
KY_RS	12/06/2021	11	144,079.68		1.07302
KY_RS	12/06/2021	12	147,182.43		1.09612
KY_RS	12/06/2021	13	156,216.27		1.1634
KY_RS	12/06/2021	14	156,259.51		1.16372
KY_RS	12/06/2021	15	152,022.29		1.13217
KY_RS	12/06/2021	16	156,326.33		1.16422
KY_RS	12/06/2021	17	175,213.16		1.30488
KY_RS	12/06/2021	18	210,524.50		1.56786
KY_RS	12/06/2021	19	228,633.39		1.70272
KY_RS	12/06/2021	20	231,651.84		1.7252
KY_RS	12/06/2021	21	230,220.99		1.71454
KY_RS	12/06/2021	22	222,163.40		1.65453
KY_RS	12/06/2021	23	206,697.74		1.53936
KY_RS	12/06/2021	24	189,297.93		1.40977
KY_RS	12/07/2021	1	179,925.75		1.33997
KY_RS	12/07/2021	2	176,260.98		1.31268
KY_RS	12/07/2021	3	174,208.47		1.2974
KY_RS	12/07/2021	4	176,555.83		1.31488
KY_RS	12/07/2021	5	183,265.98		1.36485
KY_RS	12/07/2021	6	196,962.77		1.46686
KY_RS	12/07/2021	7	219,462.28		1.63442
KY_RS	12/07/2021	8	227,688.69		1.69568
KY_RS	12/07/2021	9	222,357.13		1.65598
KY_RS	12/07/2021	10	216,684.35		1.61373
KY_RS	12/07/2021	11	212,468.92		1.58234
KY_RS	12/07/2021	12	209,256.18		1.55841
KY_RS	12/07/2021	13	208,088.64		1.54971
KY_RS	12/07/2021	14	207,292.09		1.54378
KY_RS	12/07/2021	15	206,027.14		1.53436
KY_RS	12/07/2021	16	213,047.12		1.58664

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	12/07/2021	17	229,292.11		1.70762
KY_RS	12/07/2021	18	251,682.19		1.87437
KY_RS	12/07/2021	19	257,789.28		1.91985
KY_RS	12/07/2021	20	256,948.24		1.91359
KY_RS	12/07/2021	21	253,263.58		1.88615
KY_RS	12/07/2021	22	243,235.72		1.81147
KY_RS	12/07/2021	23	223,775.58		1.66654
KY_RS	12/07/2021	24	205,431.19		1.52992
KY_RS	12/08/2021	1	194,766.11		1.4505
KY_RS	12/08/2021	2	190,947.69		1.42206
KY_RS	12/08/2021	3	189,127.53		1.4085
KY_RS	12/08/2021	4	188,871.97		1.4066
KY_RS	12/08/2021	5	192,651.59		1.43475
KY_RS	12/08/2021	6	201,763.45		1.50261
KY_RS	12/08/2021	7	214,200.97		1.59524
KY_RS	12/08/2021	8	224,688.21		1.67334
KY_RS	12/08/2021	9	224,584.64		1.67257
KY_RS	12/08/2021	10	219,437.51		1.63423
KY_RS	12/08/2021	11	200,567.08		1.4937
KY_RS	12/08/2021	12	192,256.25		1.4318
KY_RS	12/08/2021	13	183,757.85		1.36851
KY_RS	12/08/2021	14	174,881.46		1.30241
KY_RS	12/08/2021	15	169,318.21		1.26098
KY_RS	12/08/2021	16	171,076.28		1.27407
KY_RS	12/08/2021	17	186,426.91		1.38839
KY_RS	12/08/2021	18	217,846.19		1.62238
KY_RS	12/08/2021	19	233,980.69		1.74254
KY_RS	12/08/2021	20	237,282.30		1.76713
KY_RS	12/08/2021	21	237,732.60		1.77048
KY_RS	12/08/2021	22	232,089.16		1.72846
KY_RS	12/08/2021	23	216,838.84		1.61488
KY_RS	12/08/2021	24	200,620.59		1.4941
KY_RS	12/09/2021	1	190,495.20		1.41869
KY_RS	12/09/2021	2	187,030.96		1.39289
KY_RS	12/09/2021	3	186,348.95		1.38781
KY_RS	12/09/2021	4	188,797.44		1.40605
KY_RS	12/09/2021	5	193,852.88		1.4437
KY_RS	12/09/2021	6	204,597.49		1.52371
KY_RS	12/09/2021	7	220,790.84		1.64431
KY_RS	12/09/2021	8	225,017.56		1.67579
KY_RS	12/09/2021	9	218,241.59		1.62533
KY_RS	12/09/2021	10	210,671.57		1.56895
KY_RS	12/09/2021	11	200,977.82		1.49676
KY_RS	12/09/2021	12	183,014.11		1.36297
KY_RS	12/09/2021	13	173,648.30		1.29322
KY_RS	12/09/2021	14	159,617.26		1.18873
KY_RS	12/09/2021	15	154,341.61		1.14944

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	12/09/2021	16	157,431.74		1.17245
KY_RS	12/09/2021	17	164,313.97		1.22371
KY_RS	12/09/2021	18	189,942.83		1.41458
KY_RS	12/09/2021	19	197,127.11		1.46808
KY_RS	12/09/2021	20	194,205.96		1.44632
KY_RS	12/09/2021	21	189,459.85		1.41098
KY_RS	12/09/2021	22	178,017.24		1.32576
KY_RS	12/09/2021	23	158,688.17		1.18181
KY_RS	12/09/2021	24	138,561.34		1.03192
KY_RS	12/10/2021	1	124,893.43		0.93013
KY_RS	12/10/2021	2	118,997.29		0.88622
KY_RS	12/10/2021	3	117,075.31		0.8719
KY_RS	12/10/2021	4	117,175.91		0.87265
KY_RS	12/10/2021	5	119,150.79		0.88736
KY_RS	12/10/2021	6	127,059.27		0.94626
KY_RS	12/10/2021	7	142,892.58		1.06417
KY_RS	12/10/2021	8	149,492.47		1.11333
KY_RS	12/10/2021	9	146,330.22		1.08978
KY_RS	12/10/2021	10	143,535.59		1.06896
KY_RS	12/10/2021	11	140,270.99		1.04465
KY_RS	12/10/2021	12	137,857.78		1.02668
KY_RS	12/10/2021	13	136,264.06		1.01481
KY_RS	12/10/2021	14	134,529.21		1.00189
KY_RS	12/10/2021	15	133,237.59		0.99227
KY_RS	12/10/2021	16	138,760.58		1.0334
KY_RS	12/10/2021	17	150,318.84		1.11948
KY_RS	12/10/2021	18	167,512.23		1.24753
KY_RS	12/10/2021	19	168,869.40		1.25763
KY_RS	12/10/2021	20	164,019.12		1.22151
KY_RS	12/10/2021	21	158,986.88		1.18404
KY_RS	12/10/2021	22	151,301.25		1.1268
KY_RS	12/10/2021	23	139,302.59		1.03744
KY_RS	12/10/2021	24	123,752.32		0.92163
KY_RS	12/11/2021	1	108,943.88		0.81135
KY_RS	12/11/2021	2	97,961.66		0.72956
KY_RS	12/11/2021	3	91,215.37		0.67932
KY_RS	12/11/2021	4	87,452.77		0.65129
KY_RS	12/11/2021	5	85,860.95		0.63944
KY_RS	12/11/2021	6	87,397.11		0.65088
KY_RS	12/11/2021	7	92,520.54		0.68904
KY_RS	12/11/2021	8	102,550.19		0.76373
KY_RS	12/11/2021	9	117,936.39		0.87832
KY_RS	12/11/2021	10	130,686.60		0.97327
KY_RS	12/11/2021	11	140,608.01		1.04716
KY_RS	12/11/2021	12	149,669.13		1.11464
KY_RS	12/11/2021	13	152,624.67		1.13665
KY_RS	12/11/2021	14	159,721.17		1.1895

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	12/11/2021	15	163,794.07		1.21984
KY_RS	12/11/2021	16	173,740.23		1.29391
KY_RS	12/11/2021	17	187,129.69		1.39363
KY_RS	12/11/2021	18	201,524.97		1.50083
KY_RS	12/11/2021	19	203,576.58		1.51611
KY_RS	12/11/2021	20	201,136.55		1.49794
KY_RS	12/11/2021	21	200,674.36		1.4945
KY_RS	12/11/2021	22	198,229.45		1.47629
KY_RS	12/11/2021	23	192,599.88		1.43436
KY_RS	12/11/2021	24	182,628.35		1.3601
KY_RS	12/12/2021	1	173,523.70		1.2923
KY_RS	12/12/2021	2	167,818.94		1.24981
KY_RS	12/12/2021	3	165,569.65		1.23306
KY_RS	12/12/2021	4	166,328.81		1.23871
KY_RS	12/12/2021	5	169,128.55		1.25956
KY_RS	12/12/2021	6	175,182.51		1.30465
KY_RS	12/12/2021	7	182,224.37		1.35709
KY_RS	12/12/2021	8	195,094.10		1.45294
KY_RS	12/12/2021	9	207,352.21		1.54423
KY_RS	12/12/2021	10	204,685.05		1.52437
KY_RS	12/12/2021	11	197,461.92		1.47057
KY_RS	12/12/2021	12	190,174.38		1.4163
KY_RS	12/12/2021	13	183,872.63		1.36937
KY_RS	12/12/2021	14	176,339.54		1.31327
KY_RS	12/12/2021	15	170,369.51		1.26881
KY_RS	12/12/2021	16	169,492.77		1.26228
KY_RS	12/12/2021	17	178,052.62		1.32602
KY_RS	12/12/2021	18	202,660.30		1.50929
KY_RS	12/12/2021	19	219,755.73		1.6366
KY_RS	12/12/2021	20	221,007.22		1.64592
KY_RS	12/12/2021	21	225,717.64		1.681
KY_RS	12/12/2021	22	216,677.78		1.61368
KY_RS	12/12/2021	23	199,901.36		1.48874
KY_RS	12/12/2021	24	180,725.74		1.34593
KY_RS	12/13/2021	1	167,669.64		1.2487
KY_RS	12/13/2021	2	161,308.95		1.20133
KY_RS	12/13/2021	3	159,623.00		1.18877
KY_RS	12/13/2021	4	162,304.50		1.20874
KY_RS	12/13/2021	5	168,292.81		1.25334
KY_RS	12/13/2021	6	181,203.60		1.34949
KY_RS	12/13/2021	7	201,680.71		1.50199
KY_RS	12/13/2021	8	211,450.69		1.57475
KY_RS	12/13/2021	9	202,231.49		1.50609
KY_RS	12/13/2021	10	185,244.86		1.37959
KY_RS	12/13/2021	11	171,011.71		1.27359
KY_RS	12/13/2021	12	161,393.65		1.20196
KY_RS	12/13/2021	13	152,848.73		1.13832

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	12/13/2021	14	145,005.64		1.07991
KY_RS	12/13/2021	15	138,489.27		1.03138
KY_RS	12/13/2021	16	140,524.82		1.04654
KY_RS	12/13/2021	17	154,031.09		1.14713
KY_RS	12/13/2021	18	185,008.93		1.37783
KY_RS	12/13/2021	19	205,708.55		1.53199
KY_RS	12/13/2021	20	209,780.20		1.56231
KY_RS	12/13/2021	21	209,231.78		1.55823
KY_RS	12/13/2021	22	201,213.28		1.49851
KY_RS	12/13/2021	23	185,502.00		1.3815
KY_RS	12/13/2021	24	168,393.47		1.25409
KY_RS	12/14/2021	1	157,137.76		1.17026
KY_RS	12/14/2021	2	152,333.13		1.13448
KY_RS	12/14/2021	3	151,747.63		1.13012
KY_RS	12/14/2021	4	153,733.13		1.14491
KY_RS	12/14/2021	5	160,403.42		1.19458
KY_RS	12/14/2021	6	173,852.26		1.29474
KY_RS	12/14/2021	7	194,035.75		1.44506
KY_RS	12/14/2021	8	203,389.97		1.51472
KY_RS	12/14/2021	9	195,556.10		1.45638
KY_RS	12/14/2021	10	177,625.03		1.32284
KY_RS	12/14/2021	11	160,941.03		1.19859
KY_RS	12/14/2021	12	148,004.52		1.10225
KY_RS	12/14/2021	13	138,882.04		1.03431
KY_RS	12/14/2021	14	130,715.06		0.97348
KY_RS	12/14/2021	15	125,908.23		0.93769
KY_RS	12/14/2021	16	130,833.76		0.97437
KY_RS	12/14/2021	17	146,127.29		1.08826
KY_RS	12/14/2021	18	172,193.83		1.28239
KY_RS	12/14/2021	19	185,764.25		1.38346
KY_RS	12/14/2021	20	186,392.41		1.38813
KY_RS	12/14/2021	21	184,499.63		1.37404
KY_RS	12/14/2021	22	174,486.24		1.29946
KY_RS	12/14/2021	23	157,881.25		1.1758
KY_RS	12/14/2021	24	139,431.67		1.0384
KY_RS	12/15/2021	1	126,098.08		0.9391
KY_RS	12/15/2021	2	118,562.13		0.88298
KY_RS	12/15/2021	3	115,055.49		0.85686
KY_RS	12/15/2021	4	113,756.62		0.84719
KY_RS	12/15/2021	5	115,618.57		0.86105
KY_RS	12/15/2021	6	124,659.64		0.92839
KY_RS	12/15/2021	7	141,283.59		1.05219
KY_RS	12/15/2021	8	148,610.04		1.10675
KY_RS	12/15/2021	9	142,867.29		1.06399
KY_RS	12/15/2021	10	137,833.79		1.0265
KY_RS	12/15/2021	11	129,952.24		0.9678
KY_RS	12/15/2021	12	125,807.41		0.93694

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	12/15/2021	13	124,569.21	0.92771
KY_RS	12/15/2021	14	120,935.03	0.90065
KY_RS	12/15/2021	15	117,666.71	0.87631
KY_RS	12/15/2021	16	121,161.78	0.90234
KY_RS	12/15/2021	17	132,730.01	0.98849
KY_RS	12/15/2021	18	157,964.61	1.17642
KY_RS	12/15/2021	19	171,030.33	1.27373
KY_RS	12/15/2021	20	173,226.15	1.29008
KY_RS	12/15/2021	21	171,726.18	1.27891
KY_RS	12/15/2021	22	163,270.00	1.21593
KY_RS	12/15/2021	23	147,081.93	1.09537
KY_RS	12/15/2021	24	127,467.20	0.9493
KY_RS	12/16/2021	1	113,060.17	0.842
KY_RS	12/16/2021	2	104,168.16	0.77578
KY_RS	12/16/2021	3	100,567.24	0.74896
KY_RS	12/16/2021	4	98,996.89	0.73727
KY_RS	12/16/2021	5	99,807.47	0.7433
KY_RS	12/16/2021	6	107,426.50	0.80005
KY_RS	12/16/2021	7	123,232.41	0.91776
KY_RS	12/16/2021	8	130,190.72	0.96958
KY_RS	12/16/2021	9	125,256.19	0.93283
KY_RS	12/16/2021	10	124,258.13	0.9254
KY_RS	12/16/2021	11	122,957.73	0.91571
KY_RS	12/16/2021	12	123,091.05	0.91671
KY_RS	12/16/2021	13	122,294.41	0.91077
KY_RS	12/16/2021	14	121,521.24	0.90501
KY_RS	12/16/2021	15	121,140.56	0.90218
KY_RS	12/16/2021	16	129,495.33	0.9644
KY_RS	12/16/2021	17	143,037.36	1.06525
KY_RS	12/16/2021	18	163,670.96	1.21892
KY_RS	12/16/2021	19	172,459.02	1.28437
KY_RS	12/16/2021	20	174,357.03	1.2985
KY_RS	12/16/2021	21	174,340.62	1.29838
KY_RS	12/16/2021	22	167,600.16	1.24818
KY_RS	12/16/2021	23	154,645.32	1.1517
KY_RS	12/16/2021	24	138,278.40	1.02981
KY_RS	12/17/2021	1	128,368.18	0.95601
KY_RS	12/17/2021	2	124,778.35	0.92927
KY_RS	12/17/2021	3	125,450.98	0.93428
KY_RS	12/17/2021	4	129,742.11	0.96624
KY_RS	12/17/2021	5	137,634.24	1.02501
KY_RS	12/17/2021	6	151,155.97	1.12572
KY_RS	12/17/2021	7	171,887.99	1.28011
KY_RS	12/17/2021	8	183,817.21	1.36896
KY_RS	12/17/2021	9	181,942.84	1.355
KY_RS	12/17/2021	10	173,865.11	1.29484
KY_RS	12/17/2021	11	165,720.84	1.23419

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	12/17/2021	12	158,735.92		1.18217
KY_RS	12/17/2021	13	160,115.00		1.19244
KY_RS	12/17/2021	14	155,049.27		1.15471
KY_RS	12/17/2021	15	156,394.01		1.16473
KY_RS	12/17/2021	16	166,059.89		1.23671
KY_RS	12/17/2021	17	181,415.54		1.35107
KY_RS	12/17/2021	18	199,498.38		1.48574
KY_RS	12/17/2021	19	203,433.55		1.51505
KY_RS	12/17/2021	20	199,907.91		1.48879
KY_RS	12/17/2021	21	196,868.25		1.46615
KY_RS	12/17/2021	22	188,982.01		1.40742
KY_RS	12/17/2021	23	176,388.42		1.31363
KY_RS	12/17/2021	24	161,940.08		1.20603
KY_RS	12/18/2021	1	147,782.50		1.10059
KY_RS	12/18/2021	2	136,622.06		1.01748
KY_RS	12/18/2021	3	129,769.55		0.96644
KY_RS	12/18/2021	4	126,510.54		0.94217
KY_RS	12/18/2021	5	125,755.30		0.93655
KY_RS	12/18/2021	6	127,535.93		0.94981
KY_RS	12/18/2021	7	131,898.34		0.9823
KY_RS	12/18/2021	8	139,141.35		1.03624
KY_RS	12/18/2021	9	150,863.50		1.12354
KY_RS	12/18/2021	10	159,596.29		1.18857
KY_RS	12/18/2021	11	163,452.00		1.21729
KY_RS	12/18/2021	12	164,500.95		1.2251
KY_RS	12/18/2021	13	161,554.20		1.20315
KY_RS	12/18/2021	14	160,274.91		1.19363
KY_RS	12/18/2021	15	161,855.16		1.2054
KY_RS	12/18/2021	16	166,620.52		1.24089
KY_RS	12/18/2021	17	176,592.21		1.31515
KY_RS	12/18/2021	18	191,324.86		1.42487
KY_RS	12/18/2021	19	195,944.36		1.45927
KY_RS	12/18/2021	20	195,204.22		1.45376
KY_RS	12/18/2021	21	194,178.48		1.44612
KY_RS	12/18/2021	22	191,759.57		1.42811
KY_RS	12/18/2021	23	184,803.73		1.3763
KY_RS	12/18/2021	24	172,807.69		1.28696
KY_RS	12/19/2021	1	161,289.80		1.20119
KY_RS	12/19/2021	2	154,128.24		1.14785
KY_RS	12/19/2021	3	151,415.42		1.12765
KY_RS	12/19/2021	4	150,554.31		1.12123
KY_RS	12/19/2021	5	152,421.15		1.13514
KY_RS	12/19/2021	6	157,466.41		1.17271
KY_RS	12/19/2021	7	164,494.17		1.22505
KY_RS	12/19/2021	8	177,061.54		1.31864
KY_RS	12/19/2021	9	193,280.20		1.43943
KY_RS	12/19/2021	10	206,632.89		1.53887

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	12/19/2021	11	212,752.46		1.58445
KY_RS	12/19/2021	12	209,673.53		1.56152
KY_RS	12/19/2021	13	203,240.05		1.51361
KY_RS	12/19/2021	14	198,915.98		1.4814
KY_RS	12/19/2021	15	198,713.42		1.47989
KY_RS	12/19/2021	16	204,041.60		1.51957
KY_RS	12/19/2021	17	210,723.71		1.56934
KY_RS	12/19/2021	18	225,047.86		1.67602
KY_RS	12/19/2021	19	231,416.33		1.72344
KY_RS	12/19/2021	20	232,466.63		1.73127
KY_RS	12/19/2021	21	232,528.77		1.73173
KY_RS	12/19/2021	22	225,201.19		1.67716
KY_RS	12/19/2021	23	212,790.43		1.58473
KY_RS	12/19/2021	24	198,287.38		1.47672
KY_RS	12/20/2021	1	188,926.28		1.40701
KY_RS	12/20/2021	2	183,909.52		1.36964
KY_RS	12/20/2021	3	184,233.70		1.37206
KY_RS	12/20/2021	4	186,624.14		1.38986
KY_RS	12/20/2021	5	192,732.36		1.43535
KY_RS	12/20/2021	6	203,556.87		1.51596
KY_RS	12/20/2021	7	218,861.44		1.62994
KY_RS	12/20/2021	8	230,048.47		1.71326
KY_RS	12/20/2021	9	228,884.78		1.70459
KY_RS	12/20/2021	10	215,060.80		1.60164
KY_RS	12/20/2021	11	200,100.03		1.49022
KY_RS	12/20/2021	12	188,235.24		1.40186
KY_RS	12/20/2021	13	177,952.36		1.32528
KY_RS	12/20/2021	14	168,390.01		1.25406
KY_RS	12/20/2021	15	161,687.60		1.20415
KY_RS	12/20/2021	16	161,663.60		1.20397
KY_RS	12/20/2021	17	172,165.21		1.28218
KY_RS	12/20/2021	18	203,348.81		1.51442
KY_RS	12/20/2021	19	223,213.13		1.66235
KY_RS	12/20/2021	20	227,769.91		1.69629
KY_RS	12/20/2021	21	229,510.08		1.70925
KY_RS	12/20/2021	22	224,058.85		1.66865
KY_RS	12/20/2021	23	211,767.14		1.57711
KY_RS	12/20/2021	24	197,235.25		1.46889
KY_RS	12/21/2021	1	187,469.45		1.39616
KY_RS	12/21/2021	2	183,061.41		1.36333
KY_RS	12/21/2021	3	181,418.85		1.35109
KY_RS	12/21/2021	4	183,245.83		1.3647
KY_RS	12/21/2021	5	187,705.70		1.39791
KY_RS	12/21/2021	6	197,374.93		1.46993
KY_RS	12/21/2021	7	210,966.98		1.57115
KY_RS	12/21/2021	8	223,081.94		1.66138
KY_RS	12/21/2021	9	225,582.41		1.68

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	12/21/2021	10	216,061.25		1.60909
KY_RS	12/21/2021	11	205,506.73		1.53049
KY_RS	12/21/2021	12	196,051.33		1.46007
KY_RS	12/21/2021	13	180,558.58		1.34469
KY_RS	12/21/2021	14	169,233.58		1.26035
KY_RS	12/21/2021	15	161,583.21		1.20337
KY_RS	12/21/2021	16	161,015.39		1.19914
KY_RS	12/21/2021	17	172,065.83		1.28144
KY_RS	12/21/2021	18	201,097.30		1.49765
KY_RS	12/21/2021	19	218,035.27		1.62379
KY_RS	12/21/2021	20	220,777.59		1.64421
KY_RS	12/21/2021	21	219,080.12		1.63157
KY_RS	12/21/2021	22	213,589.64		1.59068
KY_RS	12/21/2021	23	199,787.42		1.48789
KY_RS	12/21/2021	24	182,658.39		1.36033
KY_RS	12/22/2021	1	169,216.62		1.26022
KY_RS	12/22/2021	2	162,809.08		1.2125
KY_RS	12/22/2021	3	161,945.60		1.20607
KY_RS	12/22/2021	4	164,186.72		1.22276
KY_RS	12/22/2021	5	169,646.06		1.26342
KY_RS	12/22/2021	6	180,539.09		1.34454
KY_RS	12/22/2021	7	194,430.49		1.448
KY_RS	12/22/2021	8	207,035.29		1.54187
KY_RS	12/22/2021	9	211,419.54		1.57452
KY_RS	12/22/2021	10	204,993.26		1.52666
KY_RS	12/22/2021	11	196,645.14		1.46449
KY_RS	12/22/2021	12	190,370.49		1.41776
KY_RS	12/22/2021	13	184,834.50		1.37653
KY_RS	12/22/2021	14	178,397.90		1.3286
KY_RS	12/22/2021	15	175,592.79		1.30771
KY_RS	12/22/2021	16	179,462.73		1.33653
KY_RS	12/22/2021	17	192,635.65		1.43463
KY_RS	12/22/2021	18	221,730.64		1.65131
KY_RS	12/22/2021	19	238,353.32		1.77511
KY_RS	12/22/2021	20	241,900.26		1.80152
KY_RS	12/22/2021	21	243,300.52		1.81195
KY_RS	12/22/2021	22	239,553.88		1.78405
KY_RS	12/22/2021	23	228,024.94		1.69819
KY_RS	12/22/2021	24	213,341.31		1.58883
KY_RS	12/23/2021	1	202,093.57		1.50507
KY_RS	12/23/2021	2	196,278.37		1.46176
KY_RS	12/23/2021	3	194,355.75		1.44744
KY_RS	12/23/2021	4	194,159.83		1.44598
KY_RS	12/23/2021	5	199,234.56		1.48377
KY_RS	12/23/2021	6	208,012.03		1.54914
KY_RS	12/23/2021	7	219,154.23		1.63212
KY_RS	12/23/2021	8	230,000.96		1.7129

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	12/23/2021	9	232,969.51		1.73501
KY_RS	12/23/2021	10	224,591.07		1.67261
KY_RS	12/23/2021	11	211,020.72		1.57155
KY_RS	12/23/2021	12	199,738.47		1.48753
KY_RS	12/23/2021	13	188,014.46		1.40021
KY_RS	12/23/2021	14	176,341.80		1.31328
KY_RS	12/23/2021	15	175,505.82		1.30706
KY_RS	12/23/2021	16	182,583.71		1.35977
KY_RS	12/23/2021	17	188,172.41		1.40139
KY_RS	12/23/2021	18	202,379.88		1.5072
KY_RS	12/23/2021	19	206,573.86		1.53843
KY_RS	12/23/2021	20	203,296.87		1.51403
KY_RS	12/23/2021	21	198,416.54		1.47768
KY_RS	12/23/2021	22	190,584.67		1.41936
KY_RS	12/23/2021	23	177,772.93		1.32394
KY_RS	12/23/2021	24	159,982.22		1.19145
KY_RS	12/24/2021	1	143,931.77		1.07191
KY_RS	12/24/2021	2	133,177.67		0.99182
KY_RS	12/24/2021	3	126,533.06		0.94234
KY_RS	12/24/2021	4	124,018.99		0.92362
KY_RS	12/24/2021	5	125,500.56		0.93465
KY_RS	12/24/2021	6	131,043.23		0.97593
KY_RS	12/24/2021	7	138,043.30		1.02806
KY_RS	12/24/2021	8	148,266.92		1.1042
KY_RS	12/24/2021	9	163,491.85		1.21759
KY_RS	12/24/2021	10	176,041.64		1.31105
KY_RS	12/24/2021	11	181,590.78		1.35237
KY_RS	12/24/2021	12	185,029.21		1.37798
KY_RS	12/24/2021	13	185,076.29		1.37833
KY_RS	12/24/2021	14	182,906.38		1.36217
KY_RS	12/24/2021	15	182,137.37		1.35645
KY_RS	12/24/2021	16	179,262.75		1.33504
KY_RS	12/24/2021	17	177,162.77		1.3194
KY_RS	12/24/2021	18	178,362.30		1.32833
KY_RS	12/24/2021	19	173,356.38		1.29105
KY_RS	12/24/2021	20	166,711.39		1.24156
KY_RS	12/24/2021	21	162,123.15		1.20739
KY_RS	12/24/2021	22	157,026.93		1.16944
KY_RS	12/24/2021	23	148,501.97		1.10595
KY_RS	12/24/2021	24	135,386.00		1.00827
KY_RS	12/25/2021	1	119,614.77		0.89082
KY_RS	12/25/2021	2	107,098.22		0.7976
KY_RS	12/25/2021	3	98,778.50		0.73564
KY_RS	12/25/2021	4	93,801.28		0.69857
KY_RS	12/25/2021	5	91,817.29		0.6838
KY_RS	12/25/2021	6	93,174.20		0.6939
KY_RS	12/25/2021	7	99,034.89		0.73755

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	12/25/2021	8	112,236.06		0.83586
KY_RS	12/25/2021	9	132,912.42		0.98985
KY_RS	12/25/2021	10	150,748.40		1.12268
KY_RS	12/25/2021	11	161,221.34		1.20068
KY_RS	12/25/2021	12	163,890.52		1.22055
KY_RS	12/25/2021	13	164,419.14		1.22449
KY_RS	12/25/2021	14	159,946.64		1.19118
KY_RS	12/25/2021	15	154,954.19		1.154
KY_RS	12/25/2021	16	151,551.02		1.12866
KY_RS	12/25/2021	17	150,799.72		1.12306
KY_RS	12/25/2021	18	155,081.48		1.15495
KY_RS	12/25/2021	19	154,986.39		1.15424
KY_RS	12/25/2021	20	151,654.80		1.12943
KY_RS	12/25/2021	21	150,142.77		1.11817
KY_RS	12/25/2021	22	145,443.16		1.08317
KY_RS	12/25/2021	23	136,920.26		1.0197
KY_RS	12/25/2021	24	123,768.43		0.92175
KY_RS	12/26/2021	1	110,474.11		0.82274
KY_RS	12/26/2021	2	101,098.38		0.75292
KY_RS	12/26/2021	3	96,039.43		0.71524
KY_RS	12/26/2021	4	94,185.05		0.70143
KY_RS	12/26/2021	5	94,349.83		0.70266
KY_RS	12/26/2021	6	98,328.16		0.73229
KY_RS	12/26/2021	7	104,003.50		0.77455
KY_RS	12/26/2021	8	114,004.04		0.84903
KY_RS	12/26/2021	9	130,279.92		0.97024
KY_RS	12/26/2021	10	146,335.31		1.08981
KY_RS	12/26/2021	11	152,767.04		1.13771
KY_RS	12/26/2021	12	152,293.75		1.13419
KY_RS	12/26/2021	13	151,741.85		1.13008
KY_RS	12/26/2021	14	147,267.10		1.09675
KY_RS	12/26/2021	15	144,688.37		1.07755
KY_RS	12/26/2021	16	142,847.98		1.06384
KY_RS	12/26/2021	17	150,003.42		1.11713
KY_RS	12/26/2021	18	167,058.42		1.24415
KY_RS	12/26/2021	19	176,366.69		1.31347
KY_RS	12/26/2021	20	176,092.20		1.31142
KY_RS	12/26/2021	21	172,912.61		1.28775
KY_RS	12/26/2021	22	164,928.85		1.22829
KY_RS	12/26/2021	23	152,416.60		1.1351
KY_RS	12/26/2021	24	136,221.83		1.0145
KY_RS	12/27/2021	1	122,516.36		0.91243
KY_RS	12/27/2021	2	113,119.58		0.84244
KY_RS	12/27/2021	3	107,914.16		0.80368
KY_RS	12/27/2021	4	104,094.81		0.77523
KY_RS	12/27/2021	5	103,829.50		0.77326
KY_RS	12/27/2021	6	106,429.94		0.79262

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	12/27/2021	7	110,854.20	0.82557
KY_RS	12/27/2021	8	116,492.37	0.86756
KY_RS	12/27/2021	9	122,002.69	0.9086
KY_RS	12/27/2021	10	127,389.86	0.94872
KY_RS	12/27/2021	11	132,575.32	0.98734
KY_RS	12/27/2021	12	134,008.59	0.99801
KY_RS	12/27/2021	13	133,819.74	0.99661
KY_RS	12/27/2021	14	131,243.16	0.97742
KY_RS	12/27/2021	15	129,114.73	0.96157
KY_RS	12/27/2021	16	129,554.92	0.96484
KY_RS	12/27/2021	17	134,807.29	1.00396
KY_RS	12/27/2021	18	153,342.45	1.142
KY_RS	12/27/2021	19	165,010.45	1.22889
KY_RS	12/27/2021	20	162,427.14	1.20966
KY_RS	12/27/2021	21	157,845.03	1.17553
KY_RS	12/27/2021	22	148,645.29	1.10702
KY_RS	12/27/2021	23	135,724.19	1.01079
KY_RS	12/27/2021	24	119,814.73	0.89231
KY_RS	12/28/2021	1	107,483.59	0.80047
KY_RS	12/28/2021	2	100,964.96	0.75192
KY_RS	12/28/2021	3	98,329.48	0.7323
KY_RS	12/28/2021	4	99,033.07	0.73754
KY_RS	12/28/2021	5	102,855.77	0.76601
KY_RS	12/28/2021	6	110,833.56	0.82542
KY_RS	12/28/2021	7	122,762.21	0.91426
KY_RS	12/28/2021	8	135,928.49	1.01231
KY_RS	12/28/2021	9	145,528.79	1.08381
KY_RS	12/28/2021	10	153,634.03	1.14417
KY_RS	12/28/2021	11	160,074.72	1.19214
KY_RS	12/28/2021	12	169,693.84	1.26377
KY_RS	12/28/2021	13	177,439.68	1.32146
KY_RS	12/28/2021	14	174,776.45	1.30163
KY_RS	12/28/2021	15	173,662.78	1.29333
KY_RS	12/28/2021	16	172,211.23	1.28252
KY_RS	12/28/2021	17	176,961.45	1.3179
KY_RS	12/28/2021	18	192,765.13	1.43559
KY_RS	12/28/2021	19	195,203.00	1.45375
KY_RS	12/28/2021	20	190,106.14	1.41579
KY_RS	12/28/2021	21	182,362.65	1.35812
KY_RS	12/28/2021	22	171,038.90	1.27379
KY_RS	12/28/2021	23	154,830.52	1.15308
KY_RS	12/28/2021	24	136,178.89	1.01418
KY_RS	12/29/2021	1	121,432.12	0.90435
KY_RS	12/29/2021	2	111,119.21	0.82755
KY_RS	12/29/2021	3	105,533.11	0.78594
KY_RS	12/29/2021	4	103,048.63	0.76744
KY_RS	12/29/2021	5	104,376.67	0.77733

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	12/29/2021	6	109,225.07	0.81344
KY_RS	12/29/2021	7	117,576.44	0.87564
KY_RS	12/29/2021	8	126,375.11	0.94116
KY_RS	12/29/2021	9	135,152.12	1.00653
KY_RS	12/29/2021	10	143,227.20	1.06667
KY_RS	12/29/2021	11	148,841.16	1.10848
KY_RS	12/29/2021	12	149,958.70	1.1168
KY_RS	12/29/2021	13	148,171.26	1.10349
KY_RS	12/29/2021	14	144,237.23	1.07419
KY_RS	12/29/2021	15	143,871.02	1.07146
KY_RS	12/29/2021	16	147,451.97	1.09813
KY_RS	12/29/2021	17	160,248.04	1.19343
KY_RS	12/29/2021	18	180,879.35	1.34708
KY_RS	12/29/2021	19	187,520.10	1.39653
KY_RS	12/29/2021	20	185,488.37	1.3814
KY_RS	12/29/2021	21	182,825.94	1.36157
KY_RS	12/29/2021	22	175,155.27	1.30445
KY_RS	12/29/2021	23	161,447.19	1.20236
KY_RS	12/29/2021	24	145,917.81	1.0867
KY_RS	12/30/2021	1	132,719.29	0.98841
KY_RS	12/30/2021	2	123,970.10	0.92325
KY_RS	12/30/2021	3	119,746.38	0.8918
KY_RS	12/30/2021	4	118,412.20	0.88186
KY_RS	12/30/2021	5	119,697.51	0.89143
KY_RS	12/30/2021	6	125,375.59	0.93372
KY_RS	12/30/2021	7	132,977.52	0.99033
KY_RS	12/30/2021	8	141,277.30	1.05215
KY_RS	12/30/2021	9	148,217.80	1.10383
KY_RS	12/30/2021	10	152,289.36	1.13416
KY_RS	12/30/2021	11	155,593.04	1.15876
KY_RS	12/30/2021	12	156,955.64	1.16891
KY_RS	12/30/2021	13	156,828.04	1.16796
KY_RS	12/30/2021	14	156,379.07	1.16461
KY_RS	12/30/2021	15	156,110.02	1.16261
KY_RS	12/30/2021	16	158,735.57	1.18216
KY_RS	12/30/2021	17	165,679.79	1.23388
KY_RS	12/30/2021	18	179,083.01	1.3337
KY_RS	12/30/2021	19	182,052.39	1.35581
KY_RS	12/30/2021	20	178,011.40	1.32572
KY_RS	12/30/2021	21	173,970.93	1.29563
KY_RS	12/30/2021	22	166,560.77	1.24044
KY_RS	12/30/2021	23	155,893.19	1.161
KY_RS	12/30/2021	24	141,784.86	1.05593
KY_RS	12/31/2021	1	128,874.66	0.95978
KY_RS	12/31/2021	2	119,266.18	0.88822
KY_RS	12/31/2021	3	113,641.98	0.84633
KY_RS	12/31/2021	4	110,892.52	0.82586

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	12/31/2021	5	111,724.90		0.83206
KY_RS	12/31/2021	6	115,488.33		0.86009
KY_RS	12/31/2021	7	120,592.46		0.8981
KY_RS	12/31/2021	8	126,810.02		0.9444
KY_RS	12/31/2021	9	137,004.57		1.02032
KY_RS	12/31/2021	10	145,979.71		1.08717
KY_RS	12/31/2021	11	153,552.43		1.14356
KY_RS	12/31/2021	12	157,192.15		1.17067
KY_RS	12/31/2021	13	157,771.30		1.17498
KY_RS	12/31/2021	14	154,042.25		1.14721
KY_RS	12/31/2021	15	150,728.83		1.12253
KY_RS	12/31/2021	16	151,080.33		1.12515
KY_RS	12/31/2021	17	151,739.46		1.13006
KY_RS	12/31/2021	18	164,217.49		1.22299
KY_RS	12/31/2021	19	169,245.30		1.26043
KY_RS	12/31/2021	20	162,898.89		1.21317
KY_RS	12/31/2021	21	152,278.21		1.13407
KY_RS	12/31/2021	22	142,985.74		1.06487
KY_RS	12/31/2021	23	132,981.52		0.99036
KY_RS	12/31/2021	24	122,562.10		0.91277
KY_RS	01/01/2022	1	111,851.64		0.833
KY_RS	01/01/2022	2	103,090.06		0.76775
KY_RS	01/01/2022	3	94,907.61		0.70681
KY_RS	01/01/2022	4	89,444.66		0.66613
KY_RS	01/01/2022	5	86,726.24		0.64588
KY_RS	01/01/2022	6	87,401.15		0.65091
KY_RS	01/01/2022	7	89,747.81		0.66839
KY_RS	01/01/2022	8	94,657.43		0.70495
KY_RS	01/01/2022	9	105,266.49		0.78396
KY_RS	01/01/2022	10	119,280.77		0.88833
KY_RS	01/01/2022	11	133,772.73		0.99626
KY_RS	01/01/2022	12	144,823.05		1.07855
KY_RS	01/01/2022	13	152,988.56		1.13936
KY_RS	01/01/2022	14	154,295.63		1.1491
KY_RS	01/01/2022	15	155,549.41		1.15843
KY_RS	01/01/2022	16	155,201.21		1.15584
KY_RS	01/01/2022	17	160,485.91		1.1952
KY_RS	01/01/2022	18	171,276.14		1.27556
KY_RS	01/01/2022	19	172,213.33		1.28254
KY_RS	01/01/2022	20	167,606.56		1.24823
KY_RS	01/01/2022	21	160,554.16		1.19571
KY_RS	01/01/2022	22	152,408.41		1.13504
KY_RS	01/01/2022	23	141,022.89		1.05025
KY_RS	01/01/2022	24	127,613.80		0.95039
KY_RS	01/02/2022	1	115,057.11		0.85687
KY_RS	01/02/2022	2	106,184.65		0.7908
KY_RS	01/02/2022	3	103,294.86		0.76928

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/02/2022	4	104,748.10		0.7801
KY_RS	01/02/2022	5	106,126.62		0.79036
KY_RS	01/02/2022	6	112,291.56		0.83628
KY_RS	01/02/2022	7	121,408.85		0.90418
KY_RS	01/02/2022	8	135,413.01		1.00847
KY_RS	01/02/2022	9	154,866.33		1.15335
KY_RS	01/02/2022	10	175,451.11		1.30665
KY_RS	01/02/2022	11	191,619.67		1.42706
KY_RS	01/02/2022	12	202,886.72		1.51097
KY_RS	01/02/2022	13	213,648.90		1.59112
KY_RS	01/02/2022	14	217,527.39		1.62001
KY_RS	01/02/2022	15	220,736.17		1.64391
KY_RS	01/02/2022	16	222,396.56		1.65627
KY_RS	01/02/2022	17	232,555.99		1.73193
KY_RS	01/02/2022	18	250,555.45		1.86598
KY_RS	01/02/2022	19	259,609.72		1.93341
KY_RS	01/02/2022	20	259,414.24		1.93196
KY_RS	01/02/2022	21	254,017.05		1.89176
KY_RS	01/02/2022	22	240,144.71		1.78845
KY_RS	01/02/2022	23	221,887.25		1.65248
KY_RS	01/02/2022	24	203,864.26		1.51825
KY_RS	01/03/2022	1	190,548.12		1.41908
KY_RS	01/03/2022	2	184,484.24		1.37392
KY_RS	01/03/2022	3	182,404.40		1.35843
KY_RS	01/03/2022	4	183,898.91		1.36956
KY_RS	01/03/2022	5	189,878.21		1.41409
KY_RS	01/03/2022	6	201,545.41		1.50098
KY_RS	01/03/2022	7	219,863.76		1.63741
KY_RS	01/03/2022	8	230,230.18		1.71461
KY_RS	01/03/2022	9	230,369.89		1.71565
KY_RS	01/03/2022	10	220,573.17		1.64269
KY_RS	01/03/2022	11	211,155.11		1.57255
KY_RS	01/03/2022	12	204,272.70		1.5213
KY_RS	01/03/2022	13	196,606.58		1.4642
KY_RS	01/03/2022	14	188,750.22		1.40569
KY_RS	01/03/2022	15	182,029.62		1.35564
KY_RS	01/03/2022	16	183,578.73		1.36718
KY_RS	01/03/2022	17	197,227.05		1.46882
KY_RS	01/03/2022	18	228,855.21		1.70437
KY_RS	01/03/2022	19	248,721.84		1.85233
KY_RS	01/03/2022	20	252,387.05		1.87962
KY_RS	01/03/2022	21	251,624.64		1.87394
KY_RS	01/03/2022	22	242,511.20		1.80607
KY_RS	01/03/2022	23	228,190.88		1.69942
KY_RS	01/03/2022	24	212,528.41		1.58278
KY_RS	01/04/2022	1	204,278.88		1.52134
KY_RS	01/04/2022	2	200,758.51		1.49512

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/04/2022	3	200,729.42		1.49491
KY_RS	01/04/2022	4	203,188.24		1.51322
KY_RS	01/04/2022	5	209,123.30		1.55742
KY_RS	01/04/2022	6	221,056.22		1.64629
KY_RS	01/04/2022	7	238,955.43		1.77959
KY_RS	01/04/2022	8	246,680.97		1.83713
KY_RS	01/04/2022	9	240,458.72		1.79079
KY_RS	01/04/2022	10	221,421.96		1.64901
KY_RS	01/04/2022	11	203,948.44		1.51888
KY_RS	01/04/2022	12	191,495.67		1.42614
KY_RS	01/04/2022	13	181,936.17		1.35495
KY_RS	01/04/2022	14	171,279.25		1.27558
KY_RS	01/04/2022	15	163,232.47		1.21565
KY_RS	01/04/2022	16	164,393.17		1.2243
KY_RS	01/04/2022	17	177,081.74		1.31879
KY_RS	01/04/2022	18	205,161.83		1.52792
KY_RS	01/04/2022	19	222,834.77		1.65953
KY_RS	01/04/2022	20	224,911.42		1.675
KY_RS	01/04/2022	21	221,918.73		1.65271
KY_RS	01/04/2022	22	210,694.50		1.56912
KY_RS	01/04/2022	23	191,693.22		1.42761
KY_RS	01/04/2022	24	174,114.76		1.2967
KY_RS	01/05/2022	1	160,331.77		1.19405
KY_RS	01/05/2022	2	153,553.98		1.14357
KY_RS	01/05/2022	3	149,610.53		1.11421
KY_RS	01/05/2022	4	148,586.37		1.10658
KY_RS	01/05/2022	5	151,699.52		1.12976
KY_RS	01/05/2022	6	162,352.76		1.2091
KY_RS	01/05/2022	7	178,203.05		1.32715
KY_RS	01/05/2022	8	184,226.25		1.372
KY_RS	01/05/2022	9	181,540.46		1.352
KY_RS	01/05/2022	10	175,549.77		1.30739
KY_RS	01/05/2022	11	165,718.10		1.23417
KY_RS	01/05/2022	12	158,925.72		1.18358
KY_RS	01/05/2022	13	156,342.34		1.16434
KY_RS	01/05/2022	14	151,515.14		1.12839
KY_RS	01/05/2022	15	150,234.74		1.11885
KY_RS	01/05/2022	16	153,265.09		1.14142
KY_RS	01/05/2022	17	171,788.70		1.27938
KY_RS	01/05/2022	18	204,176.02		1.52058
KY_RS	01/05/2022	19	222,789.41		1.6592
KY_RS	01/05/2022	20	228,237.17		1.69977
KY_RS	01/05/2022	21	229,403.80		1.70846
KY_RS	01/05/2022	22	222,789.14		1.65919
KY_RS	01/05/2022	23	209,767.29		1.56222
KY_RS	01/05/2022	24	199,852.80		1.48838
KY_RS	01/06/2022	1	193,027.42		1.43755

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/06/2022	2	192,603.33		1.43439
KY_RS	01/06/2022	3	195,394.25		1.45517
KY_RS	01/06/2022	4	200,615.54		1.49406
KY_RS	01/06/2022	5	209,619.42		1.56111
KY_RS	01/06/2022	6	222,731.78		1.65877
KY_RS	01/06/2022	7	241,090.97		1.7955
KY_RS	01/06/2022	8	247,653.71		1.84437
KY_RS	01/06/2022	9	246,001.02		1.83206
KY_RS	01/06/2022	10	243,716.55		1.81505
KY_RS	01/06/2022	11	241,452.46		1.79819
KY_RS	01/06/2022	12	240,515.78		1.79121
KY_RS	01/06/2022	13	242,742.91		1.8078
KY_RS	01/06/2022	14	243,006.79		1.80976
KY_RS	01/06/2022	15	248,476.69		1.8505
KY_RS	01/06/2022	16	260,332.67		1.9388
KY_RS	01/06/2022	17	278,021.50		2.07053
KY_RS	01/06/2022	18	298,857.75		2.22571
KY_RS	01/06/2022	19	304,075.35		2.26456
KY_RS	01/06/2022	20	299,080.44		2.22736
KY_RS	01/06/2022	21	291,445.50		2.1705
KY_RS	01/06/2022	22	279,096.72		2.07854
KY_RS	01/06/2022	23	263,827.62		1.96482
KY_RS	01/06/2022	24	250,529.07		1.86578
KY_RS	01/07/2022	1	242,091.65		1.80295
KY_RS	01/07/2022	2	237,181.55		1.76638
KY_RS	01/07/2022	3	236,700.01		1.76279
KY_RS	01/07/2022	4	239,772.99		1.78568
KY_RS	01/07/2022	5	245,871.93		1.8311
KY_RS	01/07/2022	6	258,847.64		1.92774
KY_RS	01/07/2022	7	272,349.05		2.02829
KY_RS	01/07/2022	8	285,153.30		2.12364
KY_RS	01/07/2022	9	291,048.23		2.16755
KY_RS	01/07/2022	10	291,164.73		2.16841
KY_RS	01/07/2022	11	284,147.97		2.11616
KY_RS	01/07/2022	12	284,039.01		2.11535
KY_RS	01/07/2022	13	281,954.06		2.09982
KY_RS	01/07/2022	14	275,076.62		2.0486
KY_RS	01/07/2022	15	271,662.32		2.02317
KY_RS	01/07/2022	16	272,442.04		2.02898
KY_RS	01/07/2022	17	278,943.05		2.07739
KY_RS	01/07/2022	18	297,872.60		2.21837
KY_RS	01/07/2022	19	309,843.70		2.30752
KY_RS	01/07/2022	20	310,691.73		2.31384
KY_RS	01/07/2022	21	305,785.14		2.2773
KY_RS	01/07/2022	22	296,084.30		2.20505
KY_RS	01/07/2022	23	286,809.07		2.13598
KY_RS	01/07/2022	24	278,212.33		2.07195

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	01/08/2022	1	270,591.57	2.0152
KY_RS	01/08/2022	2	267,195.49	1.98991
KY_RS	01/08/2022	3	265,568.05	1.97779
KY_RS	01/08/2022	4	266,728.04	1.98642
KY_RS	01/08/2022	5	268,958.11	2.00303
KY_RS	01/08/2022	6	272,890.63	2.03232
KY_RS	01/08/2022	7	280,068.57	2.08578
KY_RS	01/08/2022	8	288,873.85	2.15135
KY_RS	01/08/2022	9	295,423.34	2.20013
KY_RS	01/08/2022	10	285,864.69	2.12894
KY_RS	01/08/2022	11	270,971.71	2.01803
KY_RS	01/08/2022	12	257,026.24	1.91417
KY_RS	01/08/2022	13	243,821.98	1.81583
KY_RS	01/08/2022	14	230,068.39	1.71341
KY_RS	01/08/2022	15	228,321.38	1.7004
KY_RS	01/08/2022	16	228,358.54	1.70067
KY_RS	01/08/2022	17	232,671.14	1.73279
KY_RS	01/08/2022	18	241,149.67	1.79593
KY_RS	01/08/2022	19	241,654.46	1.79969
KY_RS	01/08/2022	20	231,512.26	1.72416
KY_RS	01/08/2022	21	224,026.91	1.66841
KY_RS	01/08/2022	22	214,264.57	1.59571
KY_RS	01/08/2022	23	202,158.99	1.50555
KY_RS	01/08/2022	24	187,273.22	1.39469
KY_RS	01/09/2022	1	171,758.13	1.27915
KY_RS	01/09/2022	2	161,981.94	1.20634
KY_RS	01/09/2022	3	156,758.35	1.16744
KY_RS	01/09/2022	4	154,511.51	1.15071
KY_RS	01/09/2022	5	155,458.97	1.15776
KY_RS	01/09/2022	6	152,595.01	1.13643
KY_RS	01/09/2022	7	153,689.52	1.14458
KY_RS	01/09/2022	8	160,570.91	1.19583
KY_RS	01/09/2022	9	171,866.57	1.27995
KY_RS	01/09/2022	10	183,388.99	1.36577
KY_RS	01/09/2022	11	193,542.53	1.44138
KY_RS	01/09/2022	12	201,145.76	1.49801
KY_RS	01/09/2022	13	209,667.85	1.56148
KY_RS	01/09/2022	14	213,132.31	1.58728
KY_RS	01/09/2022	15	210,484.93	1.56756
KY_RS	01/09/2022	16	211,943.98	1.57843
KY_RS	01/09/2022	17	222,161.59	1.65452
KY_RS	01/09/2022	18	242,097.90	1.80299
KY_RS	01/09/2022	19	252,893.25	1.88339
KY_RS	01/09/2022	20	252,989.39	1.88411
KY_RS	01/09/2022	21	251,441.50	1.87258
KY_RS	01/09/2022	22	242,024.82	1.80245
KY_RS	01/09/2022	23	226,435.51	1.68635

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/09/2022	24	210,929.29		1.57087
KY_RS	01/10/2022	1	203,524.60		1.51572
KY_RS	01/10/2022	2	200,779.17		1.49528
KY_RS	01/10/2022	3	202,099.55		1.50511
KY_RS	01/10/2022	4	206,031.58		1.53439
KY_RS	01/10/2022	5	213,835.34		1.59251
KY_RS	01/10/2022	6	228,115.90		1.69886
KY_RS	01/10/2022	7	248,377.21		1.84976
KY_RS	01/10/2022	8	258,448.21		1.92476
KY_RS	01/10/2022	9	254,798.24		1.89758
KY_RS	01/10/2022	10	252,863.17		1.88317
KY_RS	01/10/2022	11	249,315.79		1.85675
KY_RS	01/10/2022	12	234,281.92		1.74479
KY_RS	01/10/2022	13	226,985.79		1.69045
KY_RS	01/10/2022	14	217,317.94		1.61845
KY_RS	01/10/2022	15	208,891.37		1.55569
KY_RS	01/10/2022	16	208,718.76		1.55441
KY_RS	01/10/2022	17	222,874.54		1.65983
KY_RS	01/10/2022	18	253,898.14		1.89087
KY_RS	01/10/2022	19	272,762.55		2.03137
KY_RS	01/10/2022	20	274,628.19		2.04526
KY_RS	01/10/2022	21	270,303.46		2.01305
KY_RS	01/10/2022	22	260,231.34		1.93804
KY_RS	01/10/2022	23	246,405.22		1.83507
KY_RS	01/10/2022	24	232,827.46		1.73395
KY_RS	01/11/2022	1	225,863.74		1.68209
KY_RS	01/11/2022	2	224,455.69		1.67161
KY_RS	01/11/2022	3	226,607.79		1.68763
KY_RS	01/11/2022	4	231,250.03		1.72221
KY_RS	01/11/2022	5	239,437.94		1.78318
KY_RS	01/11/2022	6	253,169.95		1.88545
KY_RS	01/11/2022	7	273,606.94		2.03765
KY_RS	01/11/2022	8	285,866.30		2.12895
KY_RS	01/11/2022	9	280,452.89		2.08864
KY_RS	01/11/2022	10	261,573.62		1.94804
KY_RS	01/11/2022	11	242,587.42		1.80664
KY_RS	01/11/2022	12	229,440.74		1.70873
KY_RS	01/11/2022	13	218,984.58		1.63086
KY_RS	01/11/2022	14	208,057.04		1.54948
KY_RS	01/11/2022	15	200,059.36		1.48992
KY_RS	01/11/2022	16	199,954.15		1.48913
KY_RS	01/11/2022	17	211,822.58		1.57752
KY_RS	01/11/2022	18	239,870.27		1.7864
KY_RS	01/11/2022	19	258,860.40		1.92783
KY_RS	01/11/2022	20	262,092.02		1.9519
KY_RS	01/11/2022	21	259,475.26		1.93241
KY_RS	01/11/2022	22	248,738.73		1.85245

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/11/2022	23	227,413.27		1.69363
KY_RS	01/11/2022	24	207,285.70		1.54373
KY_RS	01/12/2022	1	195,713.34		1.45755
KY_RS	01/12/2022	2	189,302.47		1.40981
KY_RS	01/12/2022	3	185,462.85		1.38121
KY_RS	01/12/2022	4	184,490.30		1.37397
KY_RS	01/12/2022	5	185,376.80		1.38057
KY_RS	01/12/2022	6	192,442.75		1.43319
KY_RS	01/12/2022	7	206,482.76		1.53775
KY_RS	01/12/2022	8	213,852.40		1.59264
KY_RS	01/12/2022	9	210,329.89		1.56641
KY_RS	01/12/2022	10	198,007.63		1.47464
KY_RS	01/12/2022	11	183,023.73		1.36305
KY_RS	01/12/2022	12	172,979.94		1.28825
KY_RS	01/12/2022	13	166,835.32		1.24249
KY_RS	01/12/2022	14	165,199.15		1.2303
KY_RS	01/12/2022	15	159,765.74		1.18984
KY_RS	01/12/2022	16	162,812.65		1.21253
KY_RS	01/12/2022	17	176,079.24		1.31133
KY_RS	01/12/2022	18	195,680.93		1.45731
KY_RS	01/12/2022	19	209,213.88		1.55809
KY_RS	01/12/2022	20	209,327.25		1.55894
KY_RS	01/12/2022	21	205,326.49		1.52914
KY_RS	01/12/2022	22	196,073.40		1.46023
KY_RS	01/12/2022	23	180,614.13		1.3451
KY_RS	01/12/2022	24	166,407.81		1.2393
KY_RS	01/13/2022	1	156,857.24		1.16817
KY_RS	01/13/2022	2	151,618.52		1.12916
KY_RS	01/13/2022	3	150,713.36		1.12242
KY_RS	01/13/2022	4	153,167.12		1.14069
KY_RS	01/13/2022	5	158,101.45		1.17744
KY_RS	01/13/2022	6	169,018.08		1.25874
KY_RS	01/13/2022	7	185,964.19		1.38495
KY_RS	01/13/2022	8	194,746.96		1.45035
KY_RS	01/13/2022	9	193,665.33		1.4423
KY_RS	01/13/2022	10	181,326.00		1.3504
KY_RS	01/13/2022	11	169,002.69		1.25863
KY_RS	01/13/2022	12	168,049.95		1.25153
KY_RS	01/13/2022	13	165,535.64		1.23281
KY_RS	01/13/2022	14	159,354.99		1.18678
KY_RS	01/13/2022	15	152,207.14		1.13354
KY_RS	01/13/2022	16	159,159.69		1.18532
KY_RS	01/13/2022	17	172,799.03		1.2869
KY_RS	01/13/2022	18	190,166.02		1.41624
KY_RS	01/13/2022	19	203,066.00		1.51231
KY_RS	01/13/2022	20	203,055.32		1.51223
KY_RS	01/13/2022	21	199,621.52		1.48666

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/13/2022	22	190,593.96		1.41942
KY_RS	01/13/2022	23	174,454.82		1.29923
KY_RS	01/13/2022	24	159,234.45		1.18588
KY_RS	01/14/2022	1	150,963.58		1.12428
KY_RS	01/14/2022	2	149,133.47		1.11065
KY_RS	01/14/2022	3	150,621.56		1.12174
KY_RS	01/14/2022	4	154,203.39		1.14841
KY_RS	01/14/2022	5	160,044.65		1.19191
KY_RS	01/14/2022	6	170,489.32		1.2697
KY_RS	01/14/2022	7	187,146.89		1.39375
KY_RS	01/14/2022	8	195,753.83		1.45785
KY_RS	01/14/2022	9	196,039.66		1.45998
KY_RS	01/14/2022	10	196,401.79		1.46268
KY_RS	01/14/2022	11	196,307.51		1.46198
KY_RS	01/14/2022	12	197,614.99		1.47171
KY_RS	01/14/2022	13	197,909.37		1.47391
KY_RS	01/14/2022	14	195,702.98		1.45747
KY_RS	01/14/2022	15	195,322.16		1.45464
KY_RS	01/14/2022	16	201,316.66		1.49928
KY_RS	01/14/2022	17	211,546.98		1.57547
KY_RS	01/14/2022	18	224,786.51		1.67407
KY_RS	01/14/2022	19	228,351.39		1.70062
KY_RS	01/14/2022	20	224,438.09		1.67147
KY_RS	01/14/2022	21	218,820.62		1.62964
KY_RS	01/14/2022	22	211,687.41		1.57652
KY_RS	01/14/2022	23	199,616.11		1.48662
KY_RS	01/14/2022	24	186,932.33		1.39216
KY_RS	01/15/2022	1	177,577.66		1.32249
KY_RS	01/15/2022	2	172,695.98		1.28613
KY_RS	01/15/2022	3	171,283.28		1.27561
KY_RS	01/15/2022	4	171,514.04		1.27733
KY_RS	01/15/2022	5	174,334.65		1.29834
KY_RS	01/15/2022	6	181,115.43		1.34883
KY_RS	01/15/2022	7	190,785.90		1.42085
KY_RS	01/15/2022	8	204,734.92		1.52474
KY_RS	01/15/2022	9	221,873.47		1.65238
KY_RS	01/15/2022	10	234,738.73		1.74819
KY_RS	01/15/2022	11	238,202.88		1.77399
KY_RS	01/15/2022	12	241,918.06		1.80165
KY_RS	01/15/2022	13	239,859.49		1.78632
KY_RS	01/15/2022	14	231,139.49		1.72138
KY_RS	01/15/2022	15	216,557.18		1.61278
KY_RS	01/15/2022	16	215,036.67		1.60146
KY_RS	01/15/2022	17	222,011.95		1.65341
KY_RS	01/15/2022	18	230,358.16		1.71556
KY_RS	01/15/2022	19	242,313.01		1.8046
KY_RS	01/15/2022	20	238,692.65		1.77763

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/15/2022	21	244,060.03		1.81761
KY_RS	01/15/2022	22	241,167.33		1.79606
KY_RS	01/15/2022	23	231,677.08		1.72539
KY_RS	01/15/2022	24	220,995.75		1.64584
KY_RS	01/16/2022	1	212,706.25		1.5841
KY_RS	01/16/2022	2	206,828.92		1.54033
KY_RS	01/16/2022	3	202,480.45		1.50795
KY_RS	01/16/2022	4	202,099.76		1.50511
KY_RS	01/16/2022	5	203,877.73		1.51835
KY_RS	01/16/2022	6	209,384.58		1.55937
KY_RS	01/16/2022	7	216,667.36		1.6136
KY_RS	01/16/2022	8	227,378.50		1.69337
KY_RS	01/16/2022	9	242,701.38		1.80749
KY_RS	01/16/2022	10	251,765.30		1.87499
KY_RS	01/16/2022	11	251,500.71		1.87302
KY_RS	01/16/2022	12	251,200.40		1.87078
KY_RS	01/16/2022	13	255,261.89		1.90103
KY_RS	01/16/2022	14	254,345.67		1.89421
KY_RS	01/16/2022	15	250,787.53		1.86771
KY_RS	01/16/2022	16	248,447.33		1.85028
KY_RS	01/16/2022	17	253,709.28		1.88947
KY_RS	01/16/2022	18	263,367.16		1.96139
KY_RS	01/16/2022	19	267,752.13		1.99405
KY_RS	01/16/2022	20	262,707.78		1.95648
KY_RS	01/16/2022	21	259,275.29		1.93092
KY_RS	01/16/2022	22	246,820.00		1.83816
KY_RS	01/16/2022	23	230,182.45		1.71426
KY_RS	01/16/2022	24	213,077.08		1.58687
KY_RS	01/17/2022	1	202,617.18		1.50897
KY_RS	01/17/2022	2	197,273.41		1.46917
KY_RS	01/17/2022	3	195,317.59		1.4546
KY_RS	01/17/2022	4	195,943.86		1.45927
KY_RS	01/17/2022	5	199,676.63		1.48707
KY_RS	01/17/2022	6	207,026.97		1.54181
KY_RS	01/17/2022	7	216,309.09		1.61094
KY_RS	01/17/2022	8	224,034.59		1.66847
KY_RS	01/17/2022	9	231,579.98		1.72466
KY_RS	01/17/2022	10	240,903.86		1.7941
KY_RS	01/17/2022	11	250,202.42		1.86335
KY_RS	01/17/2022	12	255,779.36		1.90489
KY_RS	01/17/2022	13	258,556.40		1.92557
KY_RS	01/17/2022	14	257,809.18		1.92
KY_RS	01/17/2022	15	256,913.45		1.91333
KY_RS	01/17/2022	16	258,695.79		1.9266
KY_RS	01/17/2022	17	266,900.58		1.98771
KY_RS	01/17/2022	18	280,707.14		2.09053
KY_RS	01/17/2022	19	285,557.80		2.12666

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/17/2022	20	280,670.76		2.09026
KY_RS	01/17/2022	21	272,098.32		2.02642
KY_RS	01/17/2022	22	253,969.97		1.89141
KY_RS	01/17/2022	23	233,106.05		1.73603
KY_RS	01/17/2022	24	213,435.90		1.58954
KY_RS	01/18/2022	1	202,252.95		1.50625
KY_RS	01/18/2022	2	195,748.92		1.45782
KY_RS	01/18/2022	3	192,132.85		1.43089
KY_RS	01/18/2022	4	190,358.06		1.41767
KY_RS	01/18/2022	5	193,168.75		1.4386
KY_RS	01/18/2022	6	202,326.73		1.5068
KY_RS	01/18/2022	7	218,011.30		1.62361
KY_RS	01/18/2022	8	226,347.41		1.68569
KY_RS	01/18/2022	9	224,380.98		1.67105
KY_RS	01/18/2022	10	213,453.74		1.58967
KY_RS	01/18/2022	11	197,663.45		1.47207
KY_RS	01/18/2022	12	188,824.52		1.40625
KY_RS	01/18/2022	13	185,116.85		1.37863
KY_RS	01/18/2022	14	182,411.82		1.35849
KY_RS	01/18/2022	15	179,272.18		1.33511
KY_RS	01/18/2022	16	184,697.74		1.37551
KY_RS	01/18/2022	17	191,490.52		1.4261
KY_RS	01/18/2022	18	218,825.33		1.62967
KY_RS	01/18/2022	19	234,288.27		1.74483
KY_RS	01/18/2022	20	235,017.38		1.75026
KY_RS	01/18/2022	21	232,855.30		1.73416
KY_RS	01/18/2022	22	221,922.97		1.65274
KY_RS	01/18/2022	23	203,102.18		1.51258
KY_RS	01/18/2022	24	185,426.28		1.38094
KY_RS	01/19/2022	1	174,091.99		1.29653
KY_RS	01/19/2022	2	167,270.11		1.24572
KY_RS	01/19/2022	3	163,378.09		1.21674
KY_RS	01/19/2022	4	162,170.88		1.20775
KY_RS	01/19/2022	5	163,747.48		1.21949
KY_RS	01/19/2022	6	170,880.58		1.27261
KY_RS	01/19/2022	7	185,803.16		1.38375
KY_RS	01/19/2022	8	192,012.21		1.42999
KY_RS	01/19/2022	9	186,456.05		1.38861
KY_RS	01/19/2022	10	175,680.94		1.30836
KY_RS	01/19/2022	11	160,235.70		1.19334
KY_RS	01/19/2022	12	152,855.05		1.13837
KY_RS	01/19/2022	13	149,895.91		1.11633
KY_RS	01/19/2022	14	149,150.44		1.11078
KY_RS	01/19/2022	15	151,189.49		1.12597
KY_RS	01/19/2022	16	156,161.09		1.16299
KY_RS	01/19/2022	17	168,313.16		1.25349
KY_RS	01/19/2022	18	189,837.18		1.41379

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/19/2022	19	202,888.99		1.51099
KY_RS	01/19/2022	20	206,558.09		1.53832
KY_RS	01/19/2022	21	209,865.29		1.56295
KY_RS	01/19/2022	22	205,864.44		1.53315
KY_RS	01/19/2022	23	195,325.17		1.45466
KY_RS	01/19/2022	24	184,138.02		1.37135
KY_RS	01/20/2022	1	179,862.91		1.33951
KY_RS	01/20/2022	2	181,625.84		1.35264
KY_RS	01/20/2022	3	184,555.69		1.37446
KY_RS	01/20/2022	4	190,061.37		1.41546
KY_RS	01/20/2022	5	198,928.32		1.48149
KY_RS	01/20/2022	6	214,283.25		1.59585
KY_RS	01/20/2022	7	236,910.84		1.76436
KY_RS	01/20/2022	8	248,168.18		1.8482
KY_RS	01/20/2022	9	245,977.79		1.83189
KY_RS	01/20/2022	10	236,047.34		1.75793
KY_RS	01/20/2022	11	224,838.83		1.67446
KY_RS	01/20/2022	12	217,758.86		1.62173
KY_RS	01/20/2022	13	214,758.99		1.59939
KY_RS	01/20/2022	14	209,148.34		1.55761
KY_RS	01/20/2022	15	206,300.61		1.5364
KY_RS	01/20/2022	16	209,312.55		1.55883
KY_RS	01/20/2022	17	225,574.41		1.67994
KY_RS	01/20/2022	18	255,130.11		1.90005
KY_RS	01/20/2022	19	273,769.87		2.03887
KY_RS	01/20/2022	20	277,588.80		2.06731
KY_RS	01/20/2022	21	276,778.46		2.06127
KY_RS	01/20/2022	22	266,143.72		1.98207
KY_RS	01/20/2022	23	248,188.74		1.84835
KY_RS	01/20/2022	24	231,904.43		1.72708
KY_RS	01/21/2022	1	221,603.63		1.65037
KY_RS	01/21/2022	2	217,612.82		1.62064
KY_RS	01/21/2022	3	216,216.16		1.61024
KY_RS	01/21/2022	4	217,342.92		1.61863
KY_RS	01/21/2022	5	221,397.91		1.64883
KY_RS	01/21/2022	6	231,783.97		1.72618
KY_RS	01/21/2022	7	251,551.06		1.8734
KY_RS	01/21/2022	8	262,661.39		1.95614
KY_RS	01/21/2022	9	262,748.36		1.95679
KY_RS	01/21/2022	10	251,421.60		1.87243
KY_RS	01/21/2022	11	240,323.76		1.78978
KY_RS	01/21/2022	12	238,232.28		1.77421
KY_RS	01/21/2022	13	230,258.45		1.71482
KY_RS	01/21/2022	14	217,549.97		1.62018
KY_RS	01/21/2022	15	210,572.04		1.56821
KY_RS	01/21/2022	16	212,569.57		1.58309
KY_RS	01/21/2022	17	224,235.60		1.66997

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/21/2022	18	250,069.06		1.86236
KY_RS	01/21/2022	19	270,461.01		2.01422
KY_RS	01/21/2022	20	274,364.12		2.04329
KY_RS	01/21/2022	21	274,654.29		2.04545
KY_RS	01/21/2022	22	272,890.38		2.03232
KY_RS	01/21/2022	23	266,553.66		1.98513
KY_RS	01/21/2022	24	260,314.68		1.93866
KY_RS	01/22/2022	1	256,485.33		1.91014
KY_RS	01/22/2022	2	256,211.55		1.9081
KY_RS	01/22/2022	3	257,843.85		1.92026
KY_RS	01/22/2022	4	261,670.72		1.94876
KY_RS	01/22/2022	5	266,102.20		1.98176
KY_RS	01/22/2022	6	274,408.12		2.04362
KY_RS	01/22/2022	7	283,815.77		2.11368
KY_RS	01/22/2022	8	294,944.89		2.19657
KY_RS	01/22/2022	9	304,082.87		2.26462
KY_RS	01/22/2022	10	290,585.95		2.1641
KY_RS	01/22/2022	11	275,405.36		2.05105
KY_RS	01/22/2022	12	261,092.61		1.94445
KY_RS	01/22/2022	13	249,815.49		1.86047
KY_RS	01/22/2022	14	238,780.82		1.77829
KY_RS	01/22/2022	15	230,807.49		1.71891
KY_RS	01/22/2022	16	231,178.23		1.72167
KY_RS	01/22/2022	17	238,497.49		1.77618
KY_RS	01/22/2022	18	239,565.83		1.78414
KY_RS	01/22/2022	19	247,279.58		1.84158
KY_RS	01/22/2022	20	244,126.40		1.8181
KY_RS	01/22/2022	21	249,958.65		1.86154
KY_RS	01/22/2022	22	245,628.09		1.82928
KY_RS	01/22/2022	23	236,371.26		1.76035
KY_RS	01/22/2022	24	226,596.85		1.68755
KY_RS	01/23/2022	1	217,600.70		1.62055
KY_RS	01/23/2022	2	210,445.16		1.56726
KY_RS	01/23/2022	3	206,588.71		1.53854
KY_RS	01/23/2022	4	204,362.68		1.52197
KY_RS	01/23/2022	5	205,169.69		1.52798
KY_RS	01/23/2022	6	208,280.51		1.55114
KY_RS	01/23/2022	7	213,323.46		1.5887
KY_RS	01/23/2022	8	221,866.34		1.65232
KY_RS	01/23/2022	9	235,701.79		1.75536
KY_RS	01/23/2022	10	246,855.63		1.83843
KY_RS	01/23/2022	11	250,437.12		1.8651
KY_RS	01/23/2022	12	251,042.12		1.86961
KY_RS	01/23/2022	13	252,772.13		1.88249
KY_RS	01/23/2022	14	245,716.39		1.82994
KY_RS	01/23/2022	15	243,698.55		1.81491
KY_RS	01/23/2022	16	247,836.23		1.84573

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/23/2022	17	257,133.90		1.91497
KY_RS	01/23/2022	18	269,377.00		2.00615
KY_RS	01/23/2022	19	275,497.45		2.05173
KY_RS	01/23/2022	20	276,053.94		2.05588
KY_RS	01/23/2022	21	271,860.66		2.02465
KY_RS	01/23/2022	22	259,550.19		1.93297
KY_RS	01/23/2022	23	246,803.38		1.83804
KY_RS	01/23/2022	24	231,838.20		1.72659
KY_RS	01/24/2022	1	225,406.45		1.67869
KY_RS	01/24/2022	2	225,373.30		1.67844
KY_RS	01/24/2022	3	227,453.20		1.69393
KY_RS	01/24/2022	4	226,758.14		1.68875
KY_RS	01/24/2022	5	229,532.76		1.70942
KY_RS	01/24/2022	6	238,341.06		1.77502
KY_RS	01/24/2022	7	255,762.38		1.90476
KY_RS	01/24/2022	8	262,865.29		1.95766
KY_RS	01/24/2022	9	255,990.04		1.90645
KY_RS	01/24/2022	10	251,585.69		1.87365
KY_RS	01/24/2022	11	248,519.43		1.85082
KY_RS	01/24/2022	12	237,979.22		1.77232
KY_RS	01/24/2022	13	226,345.62		1.68568
KY_RS	01/24/2022	14	213,536.71		1.59029
KY_RS	01/24/2022	15	209,032.78		1.55675
KY_RS	01/24/2022	16	213,290.50		1.58845
KY_RS	01/24/2022	17	225,175.40		1.67697
KY_RS	01/24/2022	18	240,408.49		1.79041
KY_RS	01/24/2022	19	245,195.43		1.82606
KY_RS	01/24/2022	20	240,749.31		1.79295
KY_RS	01/24/2022	21	231,836.61		1.72657
KY_RS	01/24/2022	22	217,504.90		1.61984
KY_RS	01/24/2022	23	198,741.14		1.4801
KY_RS	01/24/2022	24	184,503.49		1.37407
KY_RS	01/25/2022	1	179,236.15		1.33484
KY_RS	01/25/2022	2	178,844.97		1.33193
KY_RS	01/25/2022	3	179,560.63		1.33726
KY_RS	01/25/2022	4	183,393.41		1.3658
KY_RS	01/25/2022	5	189,682.79		1.41264
KY_RS	01/25/2022	6	202,065.33		1.50486
KY_RS	01/25/2022	7	221,981.48		1.65318
KY_RS	01/25/2022	8	231,581.39		1.72467
KY_RS	01/25/2022	9	229,582.01		1.70978
KY_RS	01/25/2022	10	224,183.67		1.66958
KY_RS	01/25/2022	11	213,218.93		1.58792
KY_RS	01/25/2022	12	206,793.82		1.54007
KY_RS	01/25/2022	13	206,414.51		1.53725
KY_RS	01/25/2022	14	202,297.98		1.50659
KY_RS	01/25/2022	15	199,306.65		1.48431

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/25/2022	16	202,362.30		1.50707
KY_RS	01/25/2022	17	213,932.28		1.59323
KY_RS	01/25/2022	18	238,989.12		1.77984
KY_RS	01/25/2022	19	260,397.96		1.93928
KY_RS	01/25/2022	20	267,091.00		1.98913
KY_RS	01/25/2022	21	268,772.38		2.00165
KY_RS	01/25/2022	22	263,623.92		1.96331
KY_RS	01/25/2022	23	252,683.44		1.88183
KY_RS	01/25/2022	24	242,957.58		1.8094
KY_RS	01/26/2022	1	239,070.65		1.78045
KY_RS	01/26/2022	2	241,424.25		1.79798
KY_RS	01/26/2022	3	247,182.30		1.84086
KY_RS	01/26/2022	4	254,900.72		1.89834
KY_RS	01/26/2022	5	266,675.32		1.98603
KY_RS	01/26/2022	6	283,862.44		2.11403
KY_RS	01/26/2022	7	308,111.50		2.29462
KY_RS	01/26/2022	8	320,302.47		2.38541
KY_RS	01/26/2022	9	314,260.71		2.34042
KY_RS	01/26/2022	10	293,585.44		2.18644
KY_RS	01/26/2022	11	272,888.95		2.03231
KY_RS	01/26/2022	12	255,722.36		1.90446
KY_RS	01/26/2022	13	243,093.32		1.81041
KY_RS	01/26/2022	14	229,228.42		1.70715
KY_RS	01/26/2022	15	219,360.05		1.63366
KY_RS	01/26/2022	16	219,105.02		1.63176
KY_RS	01/26/2022	17	230,388.44		1.71579
KY_RS	01/26/2022	18	256,680.95		1.9116
KY_RS	01/26/2022	19	281,981.29		2.10002
KY_RS	01/26/2022	20	291,929.42		2.17411
KY_RS	01/26/2022	21	295,041.91		2.19729
KY_RS	01/26/2022	22	290,018.44		2.15988
KY_RS	01/26/2022	23	276,417.08		2.05858
KY_RS	01/26/2022	24	264,986.99		1.97346
KY_RS	01/27/2022	1	258,246.62		1.92326
KY_RS	01/27/2022	2	257,523.35		1.91787
KY_RS	01/27/2022	3	259,311.00		1.93119
KY_RS	01/27/2022	4	263,167.88		1.95991
KY_RS	01/27/2022	5	270,764.25		2.01648
KY_RS	01/27/2022	6	282,479.00		2.10373
KY_RS	01/27/2022	7	299,864.01		2.2332
KY_RS	01/27/2022	8	304,139.90		2.26504
KY_RS	01/27/2022	9	290,494.39		2.16342
KY_RS	01/27/2022	10	270,966.86		2.01799
KY_RS	01/27/2022	11	246,851.88		1.8384
KY_RS	01/27/2022	12	238,046.67		1.77282
KY_RS	01/27/2022	13	231,222.69		1.722
KY_RS	01/27/2022	14	226,320.54		1.68549

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/27/2022	15	217,414.45		1.61917
KY_RS	01/27/2022	16	220,186.34		1.63981
KY_RS	01/27/2022	17	228,851.55		1.70434
KY_RS	01/27/2022	18	242,977.53		1.80955
KY_RS	01/27/2022	19	251,964.40		1.87647
KY_RS	01/27/2022	20	249,548.21		1.85848
KY_RS	01/27/2022	21	245,020.43		1.82476
KY_RS	01/27/2022	22	233,385.24		1.73811
KY_RS	01/27/2022	23	216,142.24		1.60969
KY_RS	01/27/2022	24	200,120.52		1.49037
KY_RS	01/28/2022	1	190,605.64		1.41951
KY_RS	01/28/2022	2	186,528.92		1.38915
KY_RS	01/28/2022	3	184,556.36		1.37446
KY_RS	01/28/2022	4	184,453.44		1.37369
KY_RS	01/28/2022	5	187,689.19		1.39779
KY_RS	01/28/2022	6	197,196.31		1.4686
KY_RS	01/28/2022	7	210,566.71		1.56817
KY_RS	01/28/2022	8	221,181.02		1.64722
KY_RS	01/28/2022	9	224,368.49		1.67096
KY_RS	01/28/2022	10	223,157.86		1.66194
KY_RS	01/28/2022	11	223,735.86		1.66625
KY_RS	01/28/2022	12	224,088.43		1.66887
KY_RS	01/28/2022	13	224,055.62		1.66863
KY_RS	01/28/2022	14	223,148.75		1.66187
KY_RS	01/28/2022	15	229,347.36		1.70804
KY_RS	01/28/2022	16	241,347.08		1.7974
KY_RS	01/28/2022	17	256,846.96		1.91284
KY_RS	01/28/2022	18	275,972.47		2.05527
KY_RS	01/28/2022	19	291,297.99		2.16941
KY_RS	01/28/2022	20	293,585.74		2.18644
KY_RS	01/28/2022	21	289,562.04		2.15648
KY_RS	01/28/2022	22	282,799.52		2.10611
KY_RS	01/28/2022	23	272,183.78		2.02705
KY_RS	01/28/2022	24	265,084.83		1.97419
KY_RS	01/29/2022	1	260,931.83		1.94326
KY_RS	01/29/2022	2	259,128.56		1.92983
KY_RS	01/29/2022	3	256,802.83		1.91251
KY_RS	01/29/2022	4	253,876.12		1.89071
KY_RS	01/29/2022	5	256,140.71		1.90758
KY_RS	01/29/2022	6	268,583.09		2.00024
KY_RS	01/29/2022	7	285,099.40		2.12324
KY_RS	01/29/2022	8	304,583.03		2.26834
KY_RS	01/29/2022	9	318,389.75		2.37117
KY_RS	01/29/2022	10	306,169.24		2.28016
KY_RS	01/29/2022	11	287,893.21		2.14405
KY_RS	01/29/2022	12	272,852.90		2.03204
KY_RS	01/29/2022	13	260,854.64		1.94268

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/29/2022	14	250,686.76		1.86696
KY_RS	01/29/2022	15	239,155.41		1.78108
KY_RS	01/29/2022	16	238,163.61		1.77369
KY_RS	01/29/2022	17	248,930.40		1.85388
KY_RS	01/29/2022	18	261,084.89		1.9444
KY_RS	01/29/2022	19	276,483.41		2.05908
KY_RS	01/29/2022	20	274,054.70		2.04099
KY_RS	01/29/2022	21	271,410.79		2.0213
KY_RS	01/29/2022	22	266,487.25		1.98463
KY_RS	01/29/2022	23	259,087.86		1.92952
KY_RS	01/29/2022	24	248,518.48		1.85081
KY_RS	01/30/2022	1	239,462.15		1.78336
KY_RS	01/30/2022	2	234,696.66		1.74787
KY_RS	01/30/2022	3	229,347.37		1.70804
KY_RS	01/30/2022	4	227,014.38		1.69066
KY_RS	01/30/2022	5	227,830.66		1.69674
KY_RS	01/30/2022	6	233,735.24		1.74071
KY_RS	01/30/2022	7	236,853.09		1.76393
KY_RS	01/30/2022	8	244,242.11		1.81896
KY_RS	01/30/2022	9	256,319.46		1.90891
KY_RS	01/30/2022	10	257,356.55		1.91663
KY_RS	01/30/2022	11	243,056.32		1.81013
KY_RS	01/30/2022	12	233,568.90		1.73948
KY_RS	01/30/2022	13	227,780.50		1.69637
KY_RS	01/30/2022	14	220,600.37		1.64289
KY_RS	01/30/2022	15	212,184.20		1.58022
KY_RS	01/30/2022	16	195,382.15		1.45508
KY_RS	01/30/2022	17	193,710.80		1.44264
KY_RS	01/30/2022	18	200,010.16		1.48955
KY_RS	01/30/2022	19	216,002.89		1.60865
KY_RS	01/30/2022	20	239,512.80		1.78374
KY_RS	01/30/2022	21	242,889.50		1.80889
KY_RS	01/30/2022	22	232,966.02		1.73499
KY_RS	01/30/2022	23	218,332.35		1.626
KY_RS	01/30/2022	24	202,821.63		1.51049
KY_RS	01/31/2022	1	193,537.02		1.44134
KY_RS	01/31/2022	2	188,041.68		1.40042
KY_RS	01/31/2022	3	187,165.46		1.39389
KY_RS	01/31/2022	4	189,631.50		1.41226
KY_RS	01/31/2022	5	196,181.03		1.46103
KY_RS	01/31/2022	6	210,025.23		1.56414
KY_RS	01/31/2022	7	233,585.21		1.7396
KY_RS	01/31/2022	8	247,154.69		1.84065
KY_RS	01/31/2022	9	241,412.71		1.79789
KY_RS	01/31/2022	10	223,413.22		1.66384
KY_RS	01/31/2022	11	206,230.10		1.53587
KY_RS	01/31/2022	12	193,128.99		1.4383

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	01/31/2022	13	183,298.86		1.3651
KY_RS	01/31/2022	14	171,607.69		1.27803
KY_RS	01/31/2022	15	166,960.52		1.24342
KY_RS	01/31/2022	16	168,207.66		1.25271
KY_RS	01/31/2022	17	176,254.66		1.31263
KY_RS	01/31/2022	18	198,840.55		1.48084
KY_RS	01/31/2022	19	222,960.08		1.66047
KY_RS	01/31/2022	20	230,900.07		1.7196
KY_RS	01/31/2022	21	231,543.03		1.72439
KY_RS	01/31/2022	22	222,222.92		1.65498
KY_RS	01/31/2022	23	203,343.84		1.51438
KY_RS	01/31/2022	24	185,804.20		1.38375
KY_RS	02/01/2022	1	175,864.75		1.30973
KY_RS	02/01/2022	2	172,352.15		1.28357
KY_RS	02/01/2022	3	171,229.42		1.27521
KY_RS	02/01/2022	4	172,889.17		1.28757
KY_RS	02/01/2022	5	179,115.39		1.33394
KY_RS	02/01/2022	6	191,581.03		1.42678
KY_RS	02/01/2022	7	211,178.32		1.57272
KY_RS	02/01/2022	8	219,924.15		1.63786
KY_RS	02/01/2022	9	210,959.28		1.57109
KY_RS	02/01/2022	10	193,897.26		1.44403
KY_RS	02/01/2022	11	175,759.87		1.30895
KY_RS	02/01/2022	12	161,872.31		1.20552
KY_RS	02/01/2022	13	151,834.02		1.13077
KY_RS	02/01/2022	14	139,527.77		1.03912
KY_RS	02/01/2022	15	132,677.31		0.9881
KY_RS	02/01/2022	16	133,167.56		0.99175
KY_RS	02/01/2022	17	138,820.78		1.03385
KY_RS	02/01/2022	18	156,052.79		1.16218
KY_RS	02/01/2022	19	177,575.95		1.32247
KY_RS	02/01/2022	20	185,285.36		1.37989
KY_RS	02/01/2022	21	186,139.19		1.38625
KY_RS	02/01/2022	22	178,297.06		1.32785
KY_RS	02/01/2022	23	163,018.93		1.21406
KY_RS	02/01/2022	24	146,499.77		1.09104
KY_RS	02/02/2022	1	134,750.45		1.00354
KY_RS	02/02/2022	2	128,255.06		0.95516
KY_RS	02/02/2022	3	125,543.24		0.93497
KY_RS	02/02/2022	4	124,776.77		0.92926
KY_RS	02/02/2022	5	128,241.91		0.95507
KY_RS	02/02/2022	6	138,477.10		1.03129
KY_RS	02/02/2022	7	157,581.66		1.17357
KY_RS	02/02/2022	8	166,480.32		1.23984
KY_RS	02/02/2022	9	163,954.11		1.22103
KY_RS	02/02/2022	10	162,553.28		1.2106
KY_RS	02/02/2022	11	164,754.26		1.22699

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	02/02/2022	12	167,882.31		1.25028
KY_RS	02/02/2022	13	171,878.04		1.28004
KY_RS	02/02/2022	14	171,983.24		1.28082
KY_RS	02/02/2022	15	171,245.03		1.27533
KY_RS	02/02/2022	16	175,062.06		1.30375
KY_RS	02/02/2022	17	185,052.29		1.37815
KY_RS	02/02/2022	18	198,519.64		1.47845
KY_RS	02/02/2022	19	205,733.98		1.53218
KY_RS	02/02/2022	20	203,108.15		1.51262
KY_RS	02/02/2022	21	197,603.94		1.47163
KY_RS	02/02/2022	22	186,691.57		1.39036
KY_RS	02/02/2022	23	171,006.36		1.27355
KY_RS	02/02/2022	24	155,387.40		1.15723
KY_RS	02/03/2022	1	150,868.92		1.12358
KY_RS	02/03/2022	2	151,355.14		1.1272
KY_RS	02/03/2022	3	154,097.42		1.14762
KY_RS	02/03/2022	4	157,972.20		1.17648
KY_RS	02/03/2022	5	163,516.02		1.21777
KY_RS	02/03/2022	6	173,788.24		1.29427
KY_RS	02/03/2022	7	186,420.99		1.38835
KY_RS	02/03/2022	8	202,535.60		1.50836
KY_RS	02/03/2022	9	218,532.05		1.62749
KY_RS	02/03/2022	10	232,482.67		1.73139
KY_RS	02/03/2022	11	245,702.03		1.82984
KY_RS	02/03/2022	12	255,958.18		1.90622
KY_RS	02/03/2022	13	262,155.14		1.95237
KY_RS	02/03/2022	14	262,088.85		1.95187
KY_RS	02/03/2022	15	263,285.29		1.96078
KY_RS	02/03/2022	16	264,691.28		1.97126
KY_RS	02/03/2022	17	269,956.48		2.01047
KY_RS	02/03/2022	18	284,709.19		2.12034
KY_RS	02/03/2022	19	293,225.53		2.18376
KY_RS	02/03/2022	20	285,643.21		2.12729
KY_RS	02/03/2022	21	277,378.22		2.06574
KY_RS	02/03/2022	22	265,494.27		1.97724
KY_RS	02/03/2022	23	250,748.92		1.86742
KY_RS	02/03/2022	24	236,087.59		1.75823
KY_RS	02/04/2022	1	226,205.58		1.68464
KY_RS	02/04/2022	2	220,431.00		1.64163
KY_RS	02/04/2022	3	218,382.32		1.62638
KY_RS	02/04/2022	4	219,125.72		1.63191
KY_RS	02/04/2022	5	223,256.75		1.66268
KY_RS	02/04/2022	6	231,181.20		1.72169
KY_RS	02/04/2022	7	240,406.65		1.7904
KY_RS	02/04/2022	8	254,523.72		1.89553
KY_RS	02/04/2022	9	270,354.54		2.01343
KY_RS	02/04/2022	10	277,936.11		2.06989

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	02/04/2022	11	277,572.60		2.06719
KY_RS	02/04/2022	12	265,964.61		1.98074
KY_RS	02/04/2022	13	265,127.02		1.9745
KY_RS	02/04/2022	14	263,671.21		1.96366
KY_RS	02/04/2022	15	260,988.47		1.94368
KY_RS	02/04/2022	16	260,213.07		1.9379
KY_RS	02/04/2022	17	264,612.10		1.97067
KY_RS	02/04/2022	18	276,822.19		2.0616
KY_RS	02/04/2022	19	284,268.84		2.11706
KY_RS	02/04/2022	20	280,964.25		2.09245
KY_RS	02/04/2022	21	277,717.36		2.06827
KY_RS	02/04/2022	22	272,541.36		2.02972
KY_RS	02/04/2022	23	261,243.74		1.94558
KY_RS	02/04/2022	24	247,895.46		1.84617
KY_RS	02/05/2022	1	238,295.79		1.77468
KY_RS	02/05/2022	2	233,977.22		1.74252
KY_RS	02/05/2022	3	231,333.73		1.72283
KY_RS	02/05/2022	4	230,427.13		1.71608
KY_RS	02/05/2022	5	232,352.91		1.73042
KY_RS	02/05/2022	6	236,432.63		1.7608
KY_RS	02/05/2022	7	246,035.74		1.83232
KY_RS	02/05/2022	8	261,485.67		1.94738
KY_RS	02/05/2022	9	275,709.97		2.05332
KY_RS	02/05/2022	10	275,742.14		2.05356
KY_RS	02/05/2022	11	270,939.83		2.01779
KY_RS	02/05/2022	12	264,265.61		1.96809
KY_RS	02/05/2022	13	253,495.63		1.88788
KY_RS	02/05/2022	14	242,181.95		1.80362
KY_RS	02/05/2022	15	237,700.88		1.77025
KY_RS	02/05/2022	16	244,685.76		1.82227
KY_RS	02/05/2022	17	253,101.68		1.88494
KY_RS	02/05/2022	18	265,434.05		1.97679
KY_RS	02/05/2022	19	279,881.06		2.08438
KY_RS	02/05/2022	20	282,330.04		2.10262
KY_RS	02/05/2022	21	280,288.49		2.08741
KY_RS	02/05/2022	22	276,179.88		2.05682
KY_RS	02/05/2022	23	267,362.94		1.99115
KY_RS	02/05/2022	24	257,653.93		1.91885
KY_RS	02/06/2022	1	249,951.24		1.86148
KY_RS	02/06/2022	2	245,800.94		1.83057
KY_RS	02/06/2022	3	246,084.43		1.83268
KY_RS	02/06/2022	4	247,056.17		1.83992
KY_RS	02/06/2022	5	250,326.50		1.86428
KY_RS	02/06/2022	6	253,957.58		1.89132
KY_RS	02/06/2022	7	260,603.63		1.94081
KY_RS	02/06/2022	8	271,378.44		2.02106
KY_RS	02/06/2022	9	276,355.36		2.05812

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	02/06/2022	10	262,805.00	1.95721
KY_RS	02/06/2022	11	247,728.89	1.84493
KY_RS	02/06/2022	12	233,410.93	1.7383
KY_RS	02/06/2022	13	222,167.92	1.65457
KY_RS	02/06/2022	14	211,876.25	1.57792
KY_RS	02/06/2022	15	202,945.23	1.51141
KY_RS	02/06/2022	16	198,749.40	1.48016
KY_RS	02/06/2022	17	203,402.84	1.51482
KY_RS	02/06/2022	18	221,548.54	1.64996
KY_RS	02/06/2022	19	242,471.92	1.80578
KY_RS	02/06/2022	20	249,403.70	1.8574
KY_RS	02/06/2022	21	245,603.72	1.8291
KY_RS	02/06/2022	22	235,191.08	1.75156
KY_RS	02/06/2022	23	220,134.39	1.63942
KY_RS	02/06/2022	24	206,357.90	1.53682
KY_RS	02/07/2022	1	198,077.66	1.47516
KY_RS	02/07/2022	2	196,286.20	1.46182
KY_RS	02/07/2022	3	196,431.42	1.4629
KY_RS	02/07/2022	4	198,975.84	1.48185
KY_RS	02/07/2022	5	205,368.50	1.52946
KY_RS	02/07/2022	6	215,858.14	1.60758
KY_RS	02/07/2022	7	232,115.97	1.72865
KY_RS	02/07/2022	8	243,952.27	1.8168
KY_RS	02/07/2022	9	236,175.64	1.75889
KY_RS	02/07/2022	10	217,365.02	1.6188
KY_RS	02/07/2022	11	200,164.23	1.4907
KY_RS	02/07/2022	12	188,339.74	1.40264
KY_RS	02/07/2022	13	181,664.89	1.35293
KY_RS	02/07/2022	14	174,080.48	1.29644
KY_RS	02/07/2022	15	169,892.89	1.26526
KY_RS	02/07/2022	16	171,721.95	1.27888
KY_RS	02/07/2022	17	181,311.57	1.3503
KY_RS	02/07/2022	18	204,729.86	1.5247
KY_RS	02/07/2022	19	231,863.94	1.72678
KY_RS	02/07/2022	20	243,698.65	1.81492
KY_RS	02/07/2022	21	247,145.87	1.84059
KY_RS	02/07/2022	22	243,129.63	1.81068
KY_RS	02/07/2022	23	230,374.36	1.71568
KY_RS	02/07/2022	24	218,117.53	1.6244
KY_RS	02/08/2022	1	212,098.76	1.57958
KY_RS	02/08/2022	2	211,823.91	1.57753
KY_RS	02/08/2022	3	215,390.51	1.60409
KY_RS	02/08/2022	4	220,830.73	1.64461
KY_RS	02/08/2022	5	229,733.67	1.71091
KY_RS	02/08/2022	6	244,510.83	1.82096
KY_RS	02/08/2022	7	266,861.51	1.98742
KY_RS	02/08/2022	8	275,612.68	2.05259

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	02/08/2022	9	263,764.42		1.96435
KY_RS	02/08/2022	10	250,474.00		1.86537
KY_RS	02/08/2022	11	232,562.05		1.73198
KY_RS	02/08/2022	12	206,343.10		1.53671
KY_RS	02/08/2022	13	189,879.20		1.4141
KY_RS	02/08/2022	14	177,906.17		1.32493
KY_RS	02/08/2022	15	167,889.54		1.25034
KY_RS	02/08/2022	16	165,441.45		1.2321
KY_RS	02/08/2022	17	172,119.50		1.28184
KY_RS	02/08/2022	18	189,890.47		1.41419
KY_RS	02/08/2022	19	212,802.69		1.58482
KY_RS	02/08/2022	20	221,544.31		1.64992
KY_RS	02/08/2022	21	220,668.79		1.6434
KY_RS	02/08/2022	22	211,802.47		1.57737
KY_RS	02/08/2022	23	194,448.93		1.44813
KY_RS	02/08/2022	24	176,738.60		1.31624
KY_RS	02/09/2022	1	164,567.40		1.2256
KY_RS	02/09/2022	2	158,736.24		1.18217
KY_RS	02/09/2022	3	156,182.82		1.16315
KY_RS	02/09/2022	4	157,017.40		1.16937
KY_RS	02/09/2022	5	160,308.57		1.19388
KY_RS	02/09/2022	6	170,458.75		1.26947
KY_RS	02/09/2022	7	188,526.67		1.40403
KY_RS	02/09/2022	8	194,272.27		1.44682
KY_RS	02/09/2022	9	187,170.03		1.39393
KY_RS	02/09/2022	10	182,752.73		1.36103
KY_RS	02/09/2022	11	168,523.02		1.25505
KY_RS	02/09/2022	12	155,757.29		1.15998
KY_RS	02/09/2022	13	148,683.53		1.1073
KY_RS	02/09/2022	14	142,404.81		1.06054
KY_RS	02/09/2022	15	138,472.98		1.03126
KY_RS	02/09/2022	16	143,449.99		1.06833
KY_RS	02/09/2022	17	154,169.65		1.14816
KY_RS	02/09/2022	18	175,749.68		1.30887
KY_RS	02/09/2022	19	192,919.82		1.43675
KY_RS	02/09/2022	20	199,870.29		1.48851
KY_RS	02/09/2022	21	199,790.38		1.48791
KY_RS	02/09/2022	22	192,270.09		1.43191
KY_RS	02/09/2022	23	177,304.25		1.32045
KY_RS	02/09/2022	24	161,689.35		1.20416
KY_RS	02/10/2022	1	150,941.03		1.12411
KY_RS	02/10/2022	2	146,319.02		1.08969
KY_RS	02/10/2022	3	146,294.32		1.08951
KY_RS	02/10/2022	4	148,908.45		1.10898
KY_RS	02/10/2022	5	155,778.22		1.16014
KY_RS	02/10/2022	6	169,021.11		1.25876
KY_RS	02/10/2022	7	189,631.87		1.41226

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	02/10/2022	8	200,686.25		1.49459
KY_RS	02/10/2022	9	190,293.63		1.41719
KY_RS	02/10/2022	10	174,416.57		1.29895
KY_RS	02/10/2022	11	163,951.47		1.22101
KY_RS	02/10/2022	12	157,310.20		1.17155
KY_RS	02/10/2022	13	152,630.42		1.1367
KY_RS	02/10/2022	14	147,218.77		1.09639
KY_RS	02/10/2022	15	143,481.30		1.06856
KY_RS	02/10/2022	16	145,531.40		1.08383
KY_RS	02/10/2022	17	154,722.11		1.15227
KY_RS	02/10/2022	18	172,810.71		1.28699
KY_RS	02/10/2022	19	195,542.73		1.45628
KY_RS	02/10/2022	20	207,802.59		1.54758
KY_RS	02/10/2022	21	210,682.59		1.56903
KY_RS	02/10/2022	22	207,139.28		1.54264
KY_RS	02/10/2022	23	195,496.86		1.45594
KY_RS	02/10/2022	24	181,851.60		1.35432
KY_RS	02/11/2022	1	172,345.62		1.28352
KY_RS	02/11/2022	2	167,374.03		1.2465
KY_RS	02/11/2022	3	165,175.48		1.23012
KY_RS	02/11/2022	4	165,645.61		1.23363
KY_RS	02/11/2022	5	168,792.08		1.25706
KY_RS	02/11/2022	6	179,189.52		1.33449
KY_RS	02/11/2022	7	196,607.61		1.46421
KY_RS	02/11/2022	8	203,503.74		1.51557
KY_RS	02/11/2022	9	195,223.81		1.45391
KY_RS	02/11/2022	10	182,602.02		1.35991
KY_RS	02/11/2022	11	166,502.67		1.24001
KY_RS	02/11/2022	12	164,100.89		1.22212
KY_RS	02/11/2022	13	161,430.92		1.20224
KY_RS	02/11/2022	14	155,021.99		1.15451
KY_RS	02/11/2022	15	150,969.88		1.12433
KY_RS	02/11/2022	16	152,844.56		1.13829
KY_RS	02/11/2022	17	160,462.68		1.19503
KY_RS	02/11/2022	18	172,596.44		1.28539
KY_RS	02/11/2022	19	179,864.03		1.33952
KY_RS	02/11/2022	20	181,641.98		1.35276
KY_RS	02/11/2022	21	180,084.49		1.34116
KY_RS	02/11/2022	22	174,868.95		1.30231
KY_RS	02/11/2022	23	166,733.88		1.24173
KY_RS	02/11/2022	24	155,414.30		1.15743
KY_RS	02/12/2022	1	146,152.70		1.08845
KY_RS	02/12/2022	2	141,729.27		1.05551
KY_RS	02/12/2022	3	139,354.05		1.03782
KY_RS	02/12/2022	4	142,739.24		1.06303
KY_RS	02/12/2022	5	148,841.09		1.10848
KY_RS	02/12/2022	6	156,608.56		1.16632

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	02/12/2022	7	168,346.14		1.25374
KY_RS	02/12/2022	8	182,787.04		1.36128
KY_RS	02/12/2022	9	200,007.62		1.48953
KY_RS	02/12/2022	10	212,959.31		1.58599
KY_RS	02/12/2022	11	222,213.57		1.65491
KY_RS	02/12/2022	12	227,101.21		1.69131
KY_RS	02/12/2022	13	229,363.85		1.70816
KY_RS	02/12/2022	14	228,291.34		1.70017
KY_RS	02/12/2022	15	227,307.05		1.69284
KY_RS	02/12/2022	16	229,444.01		1.70876
KY_RS	02/12/2022	17	234,259.86		1.74462
KY_RS	02/12/2022	18	241,205.89		1.79635
KY_RS	02/12/2022	19	247,877.30		1.84604
KY_RS	02/12/2022	20	246,553.25		1.83617
KY_RS	02/12/2022	21	242,742.18		1.80779
KY_RS	02/12/2022	22	236,639.28		1.76234
KY_RS	02/12/2022	23	227,902.67		1.69728
KY_RS	02/12/2022	24	217,895.58		1.62275
KY_RS	02/13/2022	1	209,135.28		1.55751
KY_RS	02/13/2022	2	204,541.03		1.52329
KY_RS	02/13/2022	3	204,164.85		1.52049
KY_RS	02/13/2022	4	206,839.93		1.54041
KY_RS	02/13/2022	5	210,962.83		1.57112
KY_RS	02/13/2022	6	216,160.79		1.60983
KY_RS	02/13/2022	7	223,256.64		1.66268
KY_RS	02/13/2022	8	237,417.93		1.76814
KY_RS	02/13/2022	9	255,792.20		1.90498
KY_RS	02/13/2022	10	264,621.22		1.97073
KY_RS	02/13/2022	11	258,917.27		1.92825
KY_RS	02/13/2022	12	252,413.42		1.87982
KY_RS	02/13/2022	13	246,538.71		1.83607
KY_RS	02/13/2022	14	239,086.01		1.78056
KY_RS	02/13/2022	15	232,061.39		1.72825
KY_RS	02/13/2022	16	234,441.71		1.74598
KY_RS	02/13/2022	17	246,309.92		1.83436
KY_RS	02/13/2022	18	254,792.33		1.89753
KY_RS	02/13/2022	19	250,176.82		1.86316
KY_RS	02/13/2022	20	247,084.71		1.84013
KY_RS	02/13/2022	21	248,180.94		1.8483
KY_RS	02/13/2022	22	243,991.36		1.8171
KY_RS	02/13/2022	23	253,571.73		1.88844
KY_RS	02/13/2022	24	251,398.41		1.87226
KY_RS	02/14/2022	1	241,034.77		1.79508
KY_RS	02/14/2022	2	237,546.82		1.7691
KY_RS	02/14/2022	3	239,181.23		1.78127
KY_RS	02/14/2022	4	241,428.94		1.79801
KY_RS	02/14/2022	5	242,446.35		1.80559

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	02/14/2022	6	249,519.04	1.85826
KY_RS	02/14/2022	7	259,486.25	1.93249
KY_RS	02/14/2022	8	266,879.11	1.98755
KY_RS	02/14/2022	9	266,611.48	1.98556
KY_RS	02/14/2022	10	264,527.83	1.97004
KY_RS	02/14/2022	11	256,129.74	1.90749
KY_RS	02/14/2022	12	246,865.39	1.8385
KY_RS	02/14/2022	13	239,039.75	1.78022
KY_RS	02/14/2022	14	222,804.08	1.65931
KY_RS	02/14/2022	15	208,829.13	1.55523
KY_RS	02/14/2022	16	202,699.79	1.50958
KY_RS	02/14/2022	17	207,233.31	1.54334
KY_RS	02/14/2022	18	224,486.98	1.67184
KY_RS	02/14/2022	19	249,026.44	1.85459
KY_RS	02/14/2022	20	259,570.01	1.93312
KY_RS	02/14/2022	21	261,008.90	1.94383
KY_RS	02/14/2022	22	253,051.97	1.88457
KY_RS	02/14/2022	23	238,848.75	1.7788
KY_RS	02/14/2022	24	224,905.16	1.67495
KY_RS	02/15/2022	1	217,349.75	1.61869
KY_RS	02/15/2022	2	215,404.60	1.6042
KY_RS	02/15/2022	3	216,575.26	1.61292
KY_RS	02/15/2022	4	219,883.34	1.63755
KY_RS	02/15/2022	5	226,514.37	1.68694
KY_RS	02/15/2022	6	239,528.32	1.78386
KY_RS	02/15/2022	7	260,536.37	1.94031
KY_RS	02/15/2022	8	267,219.94	1.99009
KY_RS	02/15/2022	9	248,547.77	1.85103
KY_RS	02/15/2022	10	222,114.74	1.65417
KY_RS	02/15/2022	11	201,048.72	1.49729
KY_RS	02/15/2022	12	184,343.45	1.37287
KY_RS	02/15/2022	13	172,009.63	1.28102
KY_RS	02/15/2022	14	159,739.84	1.18964
KY_RS	02/15/2022	15	149,724.29	1.11505
KY_RS	02/15/2022	16	146,789.53	1.0932
KY_RS	02/15/2022	17	153,170.91	1.14072
KY_RS	02/15/2022	18	171,384.46	1.27636
KY_RS	02/15/2022	19	191,081.73	1.42306
KY_RS	02/15/2022	20	202,671.11	1.50937
KY_RS	02/15/2022	21	203,364.71	1.51453
KY_RS	02/15/2022	22	195,579.96	1.45656
KY_RS	02/15/2022	23	179,544.15	1.33713
KY_RS	02/15/2022	24	161,746.29	1.20459
KY_RS	02/16/2022	1	148,969.17	1.10943
KY_RS	02/16/2022	2	141,691.58	1.05523
KY_RS	02/16/2022	3	138,624.94	1.03239
KY_RS	02/16/2022	4	138,203.92	1.02926

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	02/16/2022	5	141,427.45	1.05326
KY_RS	02/16/2022	6	151,362.78	1.12726
KY_RS	02/16/2022	7	169,060.38	1.25906
KY_RS	02/16/2022	8	176,446.85	1.31407
KY_RS	02/16/2022	9	167,060.62	1.24416
KY_RS	02/16/2022	10	156,586.74	1.16616
KY_RS	02/16/2022	11	143,717.77	1.07032
KY_RS	02/16/2022	12	137,587.97	1.02467
KY_RS	02/16/2022	13	132,868.36	0.98952
KY_RS	02/16/2022	14	125,473.29	0.93445
KY_RS	02/16/2022	15	119,898.58	0.89293
KY_RS	02/16/2022	16	124,539.45	0.92749
KY_RS	02/16/2022	17	135,868.90	1.01187
KY_RS	02/16/2022	18	152,769.67	1.13773
KY_RS	02/16/2022	19	163,666.50	1.21889
KY_RS	02/16/2022	20	165,787.88	1.23468
KY_RS	02/16/2022	21	163,020.55	1.21408
KY_RS	02/16/2022	22	152,742.95	1.13753
KY_RS	02/16/2022	23	135,593.45	1.00982
KY_RS	02/16/2022	24	117,959.37	0.87849
KY_RS	02/17/2022	1	105,252.78	0.78386
KY_RS	02/17/2022	2	98,311.11	0.73216
KY_RS	02/17/2022	3	95,025.66	0.70769
KY_RS	02/17/2022	4	94,002.94	0.70008
KY_RS	02/17/2022	5	95,720.50	0.71287
KY_RS	02/17/2022	6	104,777.67	0.78032
KY_RS	02/17/2022	7	123,215.61	0.91763
KY_RS	02/17/2022	8	131,959.10	0.98275
KY_RS	02/17/2022	9	129,103.56	0.96148
KY_RS	02/17/2022	10	128,675.55	0.9583
KY_RS	02/17/2022	11	129,237.64	0.96248
KY_RS	02/17/2022	12	130,767.12	0.97387
KY_RS	02/17/2022	13	132,857.45	0.98944
KY_RS	02/17/2022	14	132,562.70	0.98724
KY_RS	02/17/2022	15	133,839.67	0.99675
KY_RS	02/17/2022	16	141,833.41	1.05629
KY_RS	02/17/2022	17	154,303.21	1.14915
KY_RS	02/17/2022	18	168,528.56	1.2551
KY_RS	02/17/2022	19	172,186.03	1.28233
KY_RS	02/17/2022	20	174,763.23	1.30153
KY_RS	02/17/2022	21	178,323.26	1.32804
KY_RS	02/17/2022	22	180,501.09	1.34426
KY_RS	02/17/2022	23	174,308.17	1.29814
KY_RS	02/17/2022	24	166,165.83	1.2375
KY_RS	02/18/2022	1	158,494.75	1.18037
KY_RS	02/18/2022	2	158,647.63	1.18151
KY_RS	02/18/2022	3	159,722.89	1.18952

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	02/18/2022	4	163,519.59	1.21779
KY_RS	02/18/2022	5	171,391.88	1.27642
KY_RS	02/18/2022	6	186,203.31	1.38673
KY_RS	02/18/2022	7	208,742.47	1.55458
KY_RS	02/18/2022	8	220,324.26	1.64084
KY_RS	02/18/2022	9	216,788.89	1.61451
KY_RS	02/18/2022	10	211,976.61	1.57867
KY_RS	02/18/2022	11	206,052.18	1.53455
KY_RS	02/18/2022	12	201,518.63	1.50079
KY_RS	02/18/2022	13	195,560.00	1.45641
KY_RS	02/18/2022	14	184,239.70	1.3721
KY_RS	02/18/2022	15	175,971.32	1.31052
KY_RS	02/18/2022	16	173,978.19	1.29568
KY_RS	02/18/2022	17	178,582.37	1.32997
KY_RS	02/18/2022	18	191,587.41	1.42682
KY_RS	02/18/2022	19	212,248.67	1.5807
KY_RS	02/18/2022	20	221,776.53	1.65165
KY_RS	02/18/2022	21	223,032.75	1.66101
KY_RS	02/18/2022	22	220,650.33	1.64327
KY_RS	02/18/2022	23	213,135.99	1.5873
KY_RS	02/18/2022	24	203,907.04	1.51857
KY_RS	02/19/2022	1	195,507.12	1.45602
KY_RS	02/19/2022	2	189,616.40	1.41214
KY_RS	02/19/2022	3	186,666.43	1.39018
KY_RS	02/19/2022	4	185,477.29	1.38132
KY_RS	02/19/2022	5	185,388.68	1.38066
KY_RS	02/19/2022	6	187,282.52	1.39476
KY_RS	02/19/2022	7	190,364.04	1.41771
KY_RS	02/19/2022	8	202,288.39	1.50652
KY_RS	02/19/2022	9	216,487.50	1.61226
KY_RS	02/19/2022	10	218,642.28	1.62831
KY_RS	02/19/2022	11	221,218.80	1.6475
KY_RS	02/19/2022	12	220,485.88	1.64204
KY_RS	02/19/2022	13	214,844.65	1.60003
KY_RS	02/19/2022	14	205,907.54	1.53347
KY_RS	02/19/2022	15	198,277.04	1.47664
KY_RS	02/19/2022	16	193,164.15	1.43857
KY_RS	02/19/2022	17	194,269.63	1.4468
KY_RS	02/19/2022	18	204,220.06	1.5209
KY_RS	02/19/2022	19	223,673.99	1.66578
KY_RS	02/19/2022	20	233,240.12	1.73703
KY_RS	02/19/2022	21	234,706.48	1.74795
KY_RS	02/19/2022	22	232,453.25	1.73117
KY_RS	02/19/2022	23	226,557.88	1.68726
KY_RS	02/19/2022	24	219,084.98	1.63161
KY_RS	02/20/2022	1	213,379.69	1.58912
KY_RS	02/20/2022	2	209,803.24	1.56248

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	02/20/2022	3	208,591.04		1.55346
KY_RS	02/20/2022	4	207,761.04		1.54727
KY_RS	02/20/2022	5	208,681.13		1.55413
KY_RS	02/20/2022	6	211,131.76		1.57238
KY_RS	02/20/2022	7	217,061.47		1.61654
KY_RS	02/20/2022	8	226,688.79		1.68824
KY_RS	02/20/2022	9	228,247.12		1.69984
KY_RS	02/20/2022	10	219,284.46		1.63309
KY_RS	02/20/2022	11	209,571.09		1.56075
KY_RS	02/20/2022	12	199,442.15		1.48532
KY_RS	02/20/2022	13	188,095.44		1.40082
KY_RS	02/20/2022	14	174,711.71		1.30114
KY_RS	02/20/2022	15	163,531.37		1.21788
KY_RS	02/20/2022	16	157,485.21		1.17285
KY_RS	02/20/2022	17	158,355.73		1.17933
KY_RS	02/20/2022	18	165,929.13		1.23574
KY_RS	02/20/2022	19	177,745.98		1.32374
KY_RS	02/20/2022	20	186,862.89		1.39164
KY_RS	02/20/2022	21	184,392.73		1.37324
KY_RS	02/20/2022	22	175,135.75		1.3043
KY_RS	02/20/2022	23	161,595.82		1.20346
KY_RS	02/20/2022	24	148,016.22		1.10233
KY_RS	02/21/2022	1	137,092.77		1.02098
KY_RS	02/21/2022	2	132,824.76		0.9892
KY_RS	02/21/2022	3	132,025.27		0.98324
KY_RS	02/21/2022	4	133,322.99		0.99291
KY_RS	02/21/2022	5	137,587.19		1.02466
KY_RS	02/21/2022	6	147,135.50		1.09577
KY_RS	02/21/2022	7	159,785.23		1.18998
KY_RS	02/21/2022	8	171,072.78		1.27404
KY_RS	02/21/2022	9	165,861.65		1.23523
KY_RS	02/21/2022	10	156,198.45		1.16327
KY_RS	02/21/2022	11	148,003.58		1.10224
KY_RS	02/21/2022	12	141,710.13		1.05537
KY_RS	02/21/2022	13	139,549.85		1.03928
KY_RS	02/21/2022	14	136,403.04		1.01584
KY_RS	02/21/2022	15	131,280.17		0.97769
KY_RS	02/21/2022	16	128,369.55		0.95602
KY_RS	02/21/2022	17	134,222.40		0.9996
KY_RS	02/21/2022	18	148,687.76		1.10733
KY_RS	02/21/2022	19	161,445.29		1.20234
KY_RS	02/21/2022	20	169,543.40		1.26265
KY_RS	02/21/2022	21	165,061.92		1.22928
KY_RS	02/21/2022	22	152,352.70		1.13463
KY_RS	02/21/2022	23	134,517.33		1.0018
KY_RS	02/21/2022	24	116,286.77		0.86603
KY_RS	02/22/2022	1	103,665.75		0.77204

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	02/22/2022	2	96,197.15		0.71642
KY_RS	02/22/2022	3	92,707.42		0.69043
KY_RS	02/22/2022	4	92,112.84		0.686
KY_RS	02/22/2022	5	93,951.24		0.69969
KY_RS	02/22/2022	6	102,498.99		0.76335
KY_RS	02/22/2022	7	119,606.83		0.89076
KY_RS	02/22/2022	8	127,699.13		0.95102
KY_RS	02/22/2022	9	124,472.08		0.92699
KY_RS	02/22/2022	10	123,645.38		0.92083
KY_RS	02/22/2022	11	125,945.22		0.93796
KY_RS	02/22/2022	12	127,661.46		0.95074
KY_RS	02/22/2022	13	128,290.98		0.95543
KY_RS	02/22/2022	14	122,580.68		0.9129
KY_RS	02/22/2022	15	120,790.33		0.89957
KY_RS	02/22/2022	16	126,030.95		0.9386
KY_RS	02/22/2022	17	136,418.82		1.01596
KY_RS	02/22/2022	18	151,282.92		1.12666
KY_RS	02/22/2022	19	160,369.50		1.19433
KY_RS	02/22/2022	20	162,024.42		1.20666
KY_RS	02/22/2022	21	156,568.55		1.16602
KY_RS	02/22/2022	22	144,746.69		1.07798
KY_RS	02/22/2022	23	129,142.25		0.96177
KY_RS	02/22/2022	24	114,908.46		0.85577
KY_RS	02/23/2022	1	106,576.49		0.79372
KY_RS	02/23/2022	2	106,025.64		0.78961
KY_RS	02/23/2022	3	109,908.74		0.81853
KY_RS	02/23/2022	4	117,088.00		0.872
KY_RS	02/23/2022	5	129,079.22		0.9613
KY_RS	02/23/2022	6	146,608.49		1.09185
KY_RS	02/23/2022	7	173,277.20		1.29046
KY_RS	02/23/2022	8	187,786.20		1.39851
KY_RS	02/23/2022	9	187,674.14		1.39768
KY_RS	02/23/2022	10	189,117.85		1.40843
KY_RS	02/23/2022	11	190,506.65		1.41877
KY_RS	02/23/2022	12	191,990.20		1.42982
KY_RS	02/23/2022	13	193,331.46		1.43981
KY_RS	02/23/2022	14	191,900.42		1.42915
KY_RS	02/23/2022	15	192,426.16		1.43307
KY_RS	02/23/2022	16	199,468.19		1.48551
KY_RS	02/23/2022	17	212,226.18		1.58053
KY_RS	02/23/2022	18	227,921.92		1.69742
KY_RS	02/23/2022	19	238,824.93		1.77862
KY_RS	02/23/2022	20	241,289.99		1.79698
KY_RS	02/23/2022	21	238,686.73		1.77759
KY_RS	02/23/2022	22	228,163.82		1.69922
KY_RS	02/23/2022	23	212,058.46		1.57928
KY_RS	02/23/2022	24	195,794.46		1.45815

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	02/24/2022	1	184,532.76		1.37428
KY_RS	02/24/2022	2	178,905.78		1.33238
KY_RS	02/24/2022	3	176,267.65		1.31273
KY_RS	02/24/2022	4	175,032.90		1.30354
KY_RS	02/24/2022	5	179,289.27		1.33523
KY_RS	02/24/2022	6	192,145.25		1.43098
KY_RS	02/24/2022	7	211,075.51		1.57196
KY_RS	02/24/2022	8	217,914.33		1.62289
KY_RS	02/24/2022	9	212,131.55		1.57982
KY_RS	02/24/2022	10	207,260.23		1.54354
KY_RS	02/24/2022	11	202,100.26		1.50512
KY_RS	02/24/2022	12	193,583.52		1.44169
KY_RS	02/24/2022	13	187,708.70		1.39794
KY_RS	02/24/2022	14	182,518.78		1.35929
KY_RS	02/24/2022	15	182,083.06		1.35604
KY_RS	02/24/2022	16	190,546.76		1.41907
KY_RS	02/24/2022	17	206,364.60		1.53687
KY_RS	02/24/2022	18	223,689.71		1.6659
KY_RS	02/24/2022	19	231,296.60		1.72255
KY_RS	02/24/2022	20	232,858.58		1.73419
KY_RS	02/24/2022	21	228,190.01		1.69942
KY_RS	02/24/2022	22	215,758.04		1.60683
KY_RS	02/24/2022	23	196,735.86		1.46517
KY_RS	02/24/2022	24	178,604.73		1.33014
KY_RS	02/25/2022	1	166,501.78		1.24
KY_RS	02/25/2022	2	159,890.24		1.19076
KY_RS	02/25/2022	3	157,983.39		1.17656
KY_RS	02/25/2022	4	161,532.75		1.203
KY_RS	02/25/2022	5	167,610.52		1.24826
KY_RS	02/25/2022	6	178,803.69		1.33162
KY_RS	02/25/2022	7	198,769.30		1.48031
KY_RS	02/25/2022	8	208,311.80		1.55138
KY_RS	02/25/2022	9	208,418.73		1.55217
KY_RS	02/25/2022	10	208,499.06		1.55277
KY_RS	02/25/2022	11	208,129.61		1.55002
KY_RS	02/25/2022	12	209,208.40		1.55805
KY_RS	02/25/2022	13	209,621.34		1.56113
KY_RS	02/25/2022	14	207,845.63		1.5479
KY_RS	02/25/2022	15	206,551.63		1.53827
KY_RS	02/25/2022	16	212,080.14		1.57944
KY_RS	02/25/2022	17	221,384.12		1.64873
KY_RS	02/25/2022	18	231,299.13		1.72257
KY_RS	02/25/2022	19	235,382.03		1.75298
KY_RS	02/25/2022	20	233,728.70		1.74067
KY_RS	02/25/2022	21	229,019.34		1.70559
KY_RS	02/25/2022	22	221,715.82		1.6512
KY_RS	02/25/2022	23	211,091.65		1.57208

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	02/25/2022	24	199,594.03	1.48645
KY_RS	02/26/2022	1	189,905.82	1.4143
KY_RS	02/26/2022	2	183,751.68	1.36847
KY_RS	02/26/2022	3	180,568.17	1.34476
KY_RS	02/26/2022	4	179,775.47	1.33886
KY_RS	02/26/2022	5	181,514.56	1.35181
KY_RS	02/26/2022	6	186,293.15	1.3874
KY_RS	02/26/2022	7	194,127.94	1.44574
KY_RS	02/26/2022	8	206,577.89	1.53846
KY_RS	02/26/2022	9	219,154.80	1.63213
KY_RS	02/26/2022	10	226,915.40	1.68992
KY_RS	02/26/2022	11	225,643.58	1.68045
KY_RS	02/26/2022	12	222,982.33	1.66063
KY_RS	02/26/2022	13	218,529.39	1.62747
KY_RS	02/26/2022	14	206,908.29	1.54092
KY_RS	02/26/2022	15	190,341.64	1.41755
KY_RS	02/26/2022	16	183,917.08	1.3697
KY_RS	02/26/2022	17	187,635.76	1.39739
KY_RS	02/26/2022	18	193,769.31	1.44307
KY_RS	02/26/2022	19	205,392.79	1.52964
KY_RS	02/26/2022	20	213,885.76	1.59289
KY_RS	02/26/2022	21	215,872.06	1.60768
KY_RS	02/26/2022	22	213,943.59	1.59332
KY_RS	02/26/2022	23	208,562.32	1.55324
KY_RS	02/26/2022	24	202,924.53	1.51126
KY_RS	02/27/2022	1	196,635.58	1.46442
KY_RS	02/27/2022	2	191,582.37	1.42679
KY_RS	02/27/2022	3	190,635.25	1.41973
KY_RS	02/27/2022	4	191,515.05	1.42628
KY_RS	02/27/2022	5	195,275.31	1.45429
KY_RS	02/27/2022	6	201,355.08	1.49957
KY_RS	02/27/2022	7	210,036.68	1.56422
KY_RS	02/27/2022	8	222,734.98	1.65879
KY_RS	02/27/2022	9	222,421.25	1.65645
KY_RS	02/27/2022	10	212,954.37	1.58595
KY_RS	02/27/2022	11	202,772.96	1.51013
KY_RS	02/27/2022	12	194,049.36	1.44516
KY_RS	02/27/2022	13	185,977.94	1.38505
KY_RS	02/27/2022	14	176,274.59	1.31278
KY_RS	02/27/2022	15	167,597.90	1.24816
KY_RS	02/27/2022	16	163,597.93	1.21838
KY_RS	02/27/2022	17	165,290.24	1.23098
KY_RS	02/27/2022	18	175,485.84	1.30691
KY_RS	02/27/2022	19	192,294.52	1.43209
KY_RS	02/27/2022	20	207,881.75	1.54817
KY_RS	02/27/2022	21	209,947.87	1.56356
KY_RS	02/27/2022	22	202,251.81	1.50625

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	02/27/2022	23	187,500.20	1.39638
KY_RS	02/27/2022	24	172,457.87	1.28436
KY_RS	02/28/2022	1	163,361.26	1.21661
KY_RS	02/28/2022	2	160,655.16	1.19646
KY_RS	02/28/2022	3	161,206.62	1.20057
KY_RS	02/28/2022	4	164,853.66	1.22773
KY_RS	02/28/2022	5	172,070.29	1.28147
KY_RS	02/28/2022	6	186,394.54	1.38815
KY_RS	02/28/2022	7	209,220.07	1.55814
KY_RS	02/28/2022	8	220,202.81	1.63993
KY_RS	02/28/2022	9	199,844.67	1.48832
KY_RS	02/28/2022	10	177,143.44	1.31925
KY_RS	02/28/2022	11	163,070.68	1.21445
KY_RS	02/28/2022	12	153,508.08	1.14323
KY_RS	02/28/2022	13	146,215.98	1.08893
KY_RS	02/28/2022	14	137,870.15	1.02677
KY_RS	02/28/2022	15	130,649.97	0.973
KY_RS	02/28/2022	16	130,437.46	0.97142
KY_RS	02/28/2022	17	138,015.80	1.02786
KY_RS	02/28/2022	18	154,636.48	1.15164
KY_RS	02/28/2022	19	174,448.57	1.29918
KY_RS	02/28/2022	20	186,911.02	1.392
KY_RS	02/28/2022	21	187,263.88	1.39462
KY_RS	02/28/2022	22	179,709.74	1.33837
KY_RS	02/28/2022	23	165,330.21	1.23128
KY_RS	02/28/2022	24	151,587.30	1.12893
KY_RS	03/01/2022	1	141,811.85	1.05613
KY_RS	03/01/2022	2	138,492.87	1.03141
KY_RS	03/01/2022	3	137,287.10	1.02243
KY_RS	03/01/2022	4	137,681.78	1.02537
KY_RS	03/01/2022	5	141,235.34	1.05183
KY_RS	03/01/2022	6	150,940.05	1.12411
KY_RS	03/01/2022	7	168,391.51	1.25407
KY_RS	03/01/2022	8	175,039.37	1.30358
KY_RS	03/01/2022	9	166,298.82	1.23849
KY_RS	03/01/2022	10	158,602.62	1.18117
KY_RS	03/01/2022	11	146,440.03	1.09059
KY_RS	03/01/2022	12	132,985.06	0.99039
KY_RS	03/01/2022	13	124,337.59	0.92599
KY_RS	03/01/2022	14	117,049.10	0.87171
KY_RS	03/01/2022	15	111,654.88	0.83154
KY_RS	03/01/2022	16	112,037.25	0.83438
KY_RS	03/01/2022	17	118,333.38	0.88127
KY_RS	03/01/2022	18	131,125.73	0.97654
KY_RS	03/01/2022	19	145,678.82	1.08493
KY_RS	03/01/2022	20	156,933.61	1.16874
KY_RS	03/01/2022	21	156,157.84	1.16297

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/01/2022	22	147,080.95		1.09537
KY_RS	03/01/2022	23	131,714.18		0.98093
KY_RS	03/01/2022	24	115,909.23		0.86322
KY_RS	03/02/2022	1	104,631.98		0.77923
KY_RS	03/02/2022	2	99,007.24		0.73734
KY_RS	03/02/2022	3	98,071.16		0.73037
KY_RS	03/02/2022	4	101,077.39		0.75276
KY_RS	03/02/2022	5	108,566.69		0.80854
KY_RS	03/02/2022	6	123,320.85		0.91842
KY_RS	03/02/2022	7	147,121.84		1.09567
KY_RS	03/02/2022	8	158,175.49		1.17799
KY_RS	03/02/2022	9	144,170.32		1.07369
KY_RS	03/02/2022	10	131,385.10		0.97847
KY_RS	03/02/2022	11	122,472.33		0.9121
KY_RS	03/02/2022	12	115,657.07		0.86134
KY_RS	03/02/2022	13	110,806.64		0.82522
KY_RS	03/02/2022	14	105,881.74		0.78854
KY_RS	03/02/2022	15	102,395.72		0.76258
KY_RS	03/02/2022	16	105,045.91		0.78232
KY_RS	03/02/2022	17	112,348.86		0.8367
KY_RS	03/02/2022	18	124,206.91		0.92502
KY_RS	03/02/2022	19	137,882.94		1.02687
KY_RS	03/02/2022	20	148,691.33		1.10736
KY_RS	03/02/2022	21	147,239.30		1.09655
KY_RS	03/02/2022	22	136,961.19		1.02
KY_RS	03/02/2022	23	120,593.92		0.89811
KY_RS	03/02/2022	24	103,073.48		0.76763
KY_RS	03/03/2022	1	90,592.21		0.67467
KY_RS	03/03/2022	2	84,150.62		0.6267
KY_RS	03/03/2022	3	82,165.40		0.61192
KY_RS	03/03/2022	4	84,273.75		0.62762
KY_RS	03/03/2022	5	89,920.60		0.66967
KY_RS	03/03/2022	6	103,614.32		0.77165
KY_RS	03/03/2022	7	128,313.71		0.9556
KY_RS	03/03/2022	8	141,997.58		1.05751
KY_RS	03/03/2022	9	140,471.17		1.04614
KY_RS	03/03/2022	10	139,218.75		1.03681
KY_RS	03/03/2022	11	138,028.23		1.02795
KY_RS	03/03/2022	12	140,195.17		1.04409
KY_RS	03/03/2022	13	140,902.23		1.04935
KY_RS	03/03/2022	14	133,724.02		0.99589
KY_RS	03/03/2022	15	131,105.36		0.97639
KY_RS	03/03/2022	16	132,078.28		0.98364
KY_RS	03/03/2022	17	145,268.45		1.08187
KY_RS	03/03/2022	18	166,116.19		1.23713
KY_RS	03/03/2022	19	181,517.51		1.35183
KY_RS	03/03/2022	20	192,560.85		1.43407

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/03/2022	21	195,375.53		1.45504
KY_RS	03/03/2022	22	188,045.79		1.40045
KY_RS	03/03/2022	23	172,907.82		1.28771
KY_RS	03/03/2022	24	158,084.53		1.17731
KY_RS	03/04/2022	1	148,613.19		1.10678
KY_RS	03/04/2022	2	144,452.06		1.07579
KY_RS	03/04/2022	3	144,119.16		1.07331
KY_RS	03/04/2022	4	146,528.31		1.09125
KY_RS	03/04/2022	5	153,072.32		1.13999
KY_RS	03/04/2022	6	166,327.09		1.2387
KY_RS	03/04/2022	7	188,469.67		1.4036
KY_RS	03/04/2022	8	196,733.77		1.46515
KY_RS	03/04/2022	9	182,382.57		1.35827
KY_RS	03/04/2022	10	167,277.26		1.24578
KY_RS	03/04/2022	11	155,218.81		1.15597
KY_RS	03/04/2022	12	144,627.23		1.07709
KY_RS	03/04/2022	13	136,393.92		1.01578
KY_RS	03/04/2022	14	127,566.87		0.95004
KY_RS	03/04/2022	15	122,550.34		0.91268
KY_RS	03/04/2022	16	126,385.20		0.94124
KY_RS	03/04/2022	17	135,386.97		1.00828
KY_RS	03/04/2022	18	146,568.75		1.09155
KY_RS	03/04/2022	19	154,408.63		1.14994
KY_RS	03/04/2022	20	161,609.66		1.20357
KY_RS	03/04/2022	21	162,246.60		1.20831
KY_RS	03/04/2022	22	158,206.49		1.17822
KY_RS	03/04/2022	23	150,303.09		1.11936
KY_RS	03/04/2022	24	139,684.30		1.04028
KY_RS	03/05/2022	1	130,250.67		0.97003
KY_RS	03/05/2022	2	123,924.81		0.92291
KY_RS	03/05/2022	3	120,327.74		0.89613
KY_RS	03/05/2022	4	118,416.90		0.8819
KY_RS	03/05/2022	5	118,601.69		0.88327
KY_RS	03/05/2022	6	121,988.85		0.9085
KY_RS	03/05/2022	7	127,494.39		0.9495
KY_RS	03/05/2022	8	138,723.10		1.03312
KY_RS	03/05/2022	9	144,601.11		1.0769
KY_RS	03/05/2022	10	142,023.93		1.05771
KY_RS	03/05/2022	11	136,936.18		1.01982
KY_RS	03/05/2022	12	131,423.22		0.97876
KY_RS	03/05/2022	13	126,373.20		0.94115
KY_RS	03/05/2022	14	121,117.64		0.90201
KY_RS	03/05/2022	15	117,449.59		0.87469
KY_RS	03/05/2022	16	117,194.45		0.87279
KY_RS	03/05/2022	17	118,678.52		0.88384
KY_RS	03/05/2022	18	122,524.21		0.91248
KY_RS	03/05/2022	19	128,153.98		0.95441

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	03/05/2022	20	130,915.01	0.97497
KY_RS	03/05/2022	21	127,487.69	0.94945
KY_RS	03/05/2022	22	121,950.54	0.90821
KY_RS	03/05/2022	23	113,182.85	0.84292
KY_RS	03/05/2022	24	101,777.14	0.75797
KY_RS	03/06/2022	1	90,976.78	0.67754
KY_RS	03/06/2022	2	82,956.20	0.61781
KY_RS	03/06/2022	3	77,400.17	0.57643
KY_RS	03/06/2022	4	74,490.98	0.55476
KY_RS	03/06/2022	5	73,206.29	0.54519
KY_RS	03/06/2022	6	73,333.66	0.54614
KY_RS	03/06/2022	7	76,710.71	0.57129
KY_RS	03/06/2022	8	88,139.41	0.65641
KY_RS	03/06/2022	9	105,132.91	0.78296
KY_RS	03/06/2022	10	119,929.11	0.89316
KY_RS	03/06/2022	11	129,125.82	0.96165
KY_RS	03/06/2022	12	133,316.25	0.99286
KY_RS	03/06/2022	13	135,859.65	1.0118
KY_RS	03/06/2022	14	135,585.53	1.00976
KY_RS	03/06/2022	15	134,398.35	1.00092
KY_RS	03/06/2022	16	135,156.67	1.00656
KY_RS	03/06/2022	17	141,165.13	1.05131
KY_RS	03/06/2022	18	148,991.28	1.10959
KY_RS	03/06/2022	19	156,412.85	1.16487
KY_RS	03/06/2022	20	161,406.54	1.20206
KY_RS	03/06/2022	21	155,478.17	1.1579
KY_RS	03/06/2022	22	141,028.64	1.05029
KY_RS	03/06/2022	23	122,418.76	0.9117
KY_RS	03/06/2022	24	103,174.92	0.76838
KY_RS	03/07/2022	1	89,130.75	0.66379
KY_RS	03/07/2022	2	80,586.70	0.60016
KY_RS	03/07/2022	3	76,143.01	0.56707
KY_RS	03/07/2022	4	74,434.93	0.55434
KY_RS	03/07/2022	5	75,921.57	0.56542
KY_RS	03/07/2022	6	84,170.72	0.62685
KY_RS	03/07/2022	7	100,099.06	0.74548
KY_RS	03/07/2022	8	109,693.80	0.81693
KY_RS	03/07/2022	9	107,088.31	0.79753
KY_RS	03/07/2022	10	108,202.84	0.80583
KY_RS	03/07/2022	11	110,024.35	0.81939
KY_RS	03/07/2022	12	112,631.78	0.83881
KY_RS	03/07/2022	13	118,632.48	0.8835
KY_RS	03/07/2022	14	121,053.43	0.90153
KY_RS	03/07/2022	15	124,394.23	0.92641
KY_RS	03/07/2022	16	135,389.83	1.0083
KY_RS	03/07/2022	17	150,203.40	1.11862
KY_RS	03/07/2022	18	169,141.72	1.25966

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/07/2022	19	184,945.17		1.37736
KY_RS	03/07/2022	20	192,104.04		1.43067
KY_RS	03/07/2022	21	190,524.66		1.41891
KY_RS	03/07/2022	22	180,369.61		1.34328
KY_RS	03/07/2022	23	164,197.87		1.22284
KY_RS	03/07/2022	24	148,257.33		1.10413
KY_RS	03/08/2022	1	138,675.62		1.03277
KY_RS	03/08/2022	2	133,417.96		0.99361
KY_RS	03/08/2022	3	131,601.42		0.98009
KY_RS	03/08/2022	4	132,257.81		0.98497
KY_RS	03/08/2022	5	136,861.90		1.01926
KY_RS	03/08/2022	6	148,911.79		1.109
KY_RS	03/08/2022	7	169,950.77		1.26569
KY_RS	03/08/2022	8	179,394.04		1.33601
KY_RS	03/08/2022	9	173,126.39		1.28934
KY_RS	03/08/2022	10	168,213.01		1.25275
KY_RS	03/08/2022	11	164,533.31		1.22534
KY_RS	03/08/2022	12	161,481.56		1.20261
KY_RS	03/08/2022	13	156,747.94		1.16736
KY_RS	03/08/2022	14	148,058.39		1.10265
KY_RS	03/08/2022	15	140,558.55		1.04679
KY_RS	03/08/2022	16	142,210.49		1.0591
KY_RS	03/08/2022	17	154,497.32		1.1506
KY_RS	03/08/2022	18	174,969.44		1.30306
KY_RS	03/08/2022	19	189,493.20		1.41123
KY_RS	03/08/2022	20	196,474.17		1.46322
KY_RS	03/08/2022	21	195,883.83		1.45882
KY_RS	03/08/2022	22	185,503.82		1.38152
KY_RS	03/08/2022	23	168,048.41		1.25152
KY_RS	03/08/2022	24	151,587.87		1.12893
KY_RS	03/09/2022	1	141,723.60		1.05547
KY_RS	03/09/2022	2	135,454.02		1.00878
KY_RS	03/09/2022	3	132,853.64		0.98941
KY_RS	03/09/2022	4	133,628.61		0.99518
KY_RS	03/09/2022	5	138,809.68		1.03377
KY_RS	03/09/2022	6	152,018.43		1.13214
KY_RS	03/09/2022	7	171,042.97		1.27382
KY_RS	03/09/2022	8	178,875.78		1.33216
KY_RS	03/09/2022	9	171,834.94		1.27972
KY_RS	03/09/2022	10	166,507.09		1.24004
KY_RS	03/09/2022	11	159,433.97		1.18736
KY_RS	03/09/2022	12	154,566.15		1.15111
KY_RS	03/09/2022	13	148,799.69		1.10817
KY_RS	03/09/2022	14	137,703.62		1.02553
KY_RS	03/09/2022	15	129,976.95		0.96799
KY_RS	03/09/2022	16	130,332.03		0.97063
KY_RS	03/09/2022	17	136,131.59		1.01382

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/09/2022	18	148,195.57		1.10367
KY_RS	03/09/2022	19	163,095.87		1.21464
KY_RS	03/09/2022	20	179,589.15		1.33747
KY_RS	03/09/2022	21	183,126.63		1.36381
KY_RS	03/09/2022	22	178,506.46		1.3294
KY_RS	03/09/2022	23	166,031.18		1.2365
KY_RS	03/09/2022	24	154,194.16		1.14834
KY_RS	03/10/2022	1	146,507.63		1.0911
KY_RS	03/10/2022	2	144,482.97		1.07602
KY_RS	03/10/2022	3	145,997.48		1.0873
KY_RS	03/10/2022	4	149,346.91		1.11224
KY_RS	03/10/2022	5	156,494.45		1.16547
KY_RS	03/10/2022	6	170,037.70		1.26633
KY_RS	03/10/2022	7	190,922.48		1.42187
KY_RS	03/10/2022	8	195,994.42		1.45964
KY_RS	03/10/2022	9	177,063.53		1.31866
KY_RS	03/10/2022	10	159,374.05		1.18692
KY_RS	03/10/2022	11	145,664.85		1.08482
KY_RS	03/10/2022	12	136,178.10		1.01417
KY_RS	03/10/2022	13	129,058.64		0.96115
KY_RS	03/10/2022	14	121,534.97		0.90512
KY_RS	03/10/2022	15	116,969.59		0.87112
KY_RS	03/10/2022	16	118,347.87		0.88138
KY_RS	03/10/2022	17	125,254.98		0.93282
KY_RS	03/10/2022	18	138,077.11		1.02831
KY_RS	03/10/2022	19	152,933.23		1.13895
KY_RS	03/10/2022	20	167,878.85		1.25026
KY_RS	03/10/2022	21	171,699.67		1.27871
KY_RS	03/10/2022	22	166,911.24		1.24305
KY_RS	03/10/2022	23	155,007.40		1.1544
KY_RS	03/10/2022	24	143,725.58		1.07038
KY_RS	03/11/2022	1	136,264.46		1.01481
KY_RS	03/11/2022	2	133,207.55		0.99205
KY_RS	03/11/2022	3	132,529.60		0.987
KY_RS	03/11/2022	4	135,074.30		1.00595
KY_RS	03/11/2022	5	141,662.89		1.05502
KY_RS	03/11/2022	6	155,160.94		1.15554
KY_RS	03/11/2022	7	175,729.51		1.30872
KY_RS	03/11/2022	8	182,899.22		1.36212
KY_RS	03/11/2022	9	165,168.84		1.23007
KY_RS	03/11/2022	10	148,860.13		1.10862
KY_RS	03/11/2022	11	136,907.79		1.0196
KY_RS	03/11/2022	12	129,776.11		0.96649
KY_RS	03/11/2022	13	124,709.46		0.92876
KY_RS	03/11/2022	14	121,898.36		0.90782
KY_RS	03/11/2022	15	122,415.90		0.91168
KY_RS	03/11/2022	16	131,572.66		0.97987

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/11/2022	17	151,570.49		1.1288
KY_RS	03/11/2022	18	172,939.91		1.28795
KY_RS	03/11/2022	19	191,745.18		1.428
KY_RS	03/11/2022	20	202,266.71		1.50636
KY_RS	03/11/2022	21	203,750.17		1.5174
KY_RS	03/11/2022	22	203,425.86		1.51499
KY_RS	03/11/2022	23	194,680.52		1.44986
KY_RS	03/11/2022	24	184,218.07		1.37194
KY_RS	03/12/2022	1	178,623.16		1.33027
KY_RS	03/12/2022	2	176,635.10		1.31547
KY_RS	03/12/2022	3	178,560.90		1.32981
KY_RS	03/12/2022	4	181,018.25		1.34811
KY_RS	03/12/2022	5	186,441.66		1.3885
KY_RS	03/12/2022	6	193,879.67		1.44389
KY_RS	03/12/2022	7	206,027.23		1.53436
KY_RS	03/12/2022	8	223,840.84		1.66703
KY_RS	03/12/2022	9	234,219.47		1.74432
KY_RS	03/12/2022	10	235,292.73		1.75231
KY_RS	03/12/2022	11	240,934.13		1.79433
KY_RS	03/12/2022	12	241,931.37		1.80175
KY_RS	03/12/2022	13	241,797.78		1.80076
KY_RS	03/12/2022	14	238,776.32		1.77826
KY_RS	03/12/2022	15	233,453.41		1.73862
KY_RS	03/12/2022	16	225,548.32		1.67974
KY_RS	03/12/2022	17	223,182.57		1.66212
KY_RS	03/12/2022	18	226,939.42		1.6901
KY_RS	03/12/2022	19	242,986.32		1.80961
KY_RS	03/12/2022	20	253,722.82		1.88957
KY_RS	03/12/2022	21	251,334.83		1.87178
KY_RS	03/12/2022	22	245,476.63		1.82816
KY_RS	03/12/2022	23	235,093.09		1.75083
KY_RS	03/12/2022	24	225,016.18		1.67578
KY_RS	03/13/2022	1	220,407.46		1.64146
KY_RS	03/13/2022	2	217,247.62		1.61792
KY_RS	03/13/2022	4	217,103.07		1.61685
KY_RS	03/13/2022	5	217,949.88		1.62315
KY_RS	03/13/2022	6	218,160.97		1.62473
KY_RS	03/13/2022	7	220,835.65		1.64465
KY_RS	03/13/2022	8	227,216.90		1.69217
KY_RS	03/13/2022	9	238,651.71		1.77733
KY_RS	03/13/2022	10	247,731.32		1.84495
KY_RS	03/13/2022	11	248,669.32		1.85193
KY_RS	03/13/2022	12	230,369.91		1.71565
KY_RS	03/13/2022	13	222,760.56		1.65898
KY_RS	03/13/2022	14	213,311.75		1.58861
KY_RS	03/13/2022	15	203,584.31		1.51617
KY_RS	03/13/2022	16	189,842.45		1.41383

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/13/2022	17	181,294.63		1.35017
KY_RS	03/13/2022	18	179,226.88		1.33477
KY_RS	03/13/2022	19	179,632.44		1.33779
KY_RS	03/13/2022	20	190,439.97		1.41828
KY_RS	03/13/2022	21	203,120.41		1.51271
KY_RS	03/13/2022	22	196,984.66		1.46702
KY_RS	03/13/2022	23	180,322.98		1.34293
KY_RS	03/13/2022	24	161,166.00		1.20026
KY_RS	03/14/2022	1	147,026.69		1.09496
KY_RS	03/14/2022	2	141,147.81		1.05118
KY_RS	03/14/2022	3	138,869.37		1.03421
KY_RS	03/14/2022	4	140,133.01		1.04362
KY_RS	03/14/2022	5	144,705.42		1.07768
KY_RS	03/14/2022	6	155,828.31		1.16051
KY_RS	03/14/2022	7	174,051.81		1.29623
KY_RS	03/14/2022	8	181,778.80		1.35378
KY_RS	03/14/2022	9	174,110.59		1.29667
KY_RS	03/14/2022	10	158,895.00		1.18335
KY_RS	03/14/2022	11	147,191.90		1.09619
KY_RS	03/14/2022	12	138,512.04		1.03155
KY_RS	03/14/2022	13	132,422.01		0.9862
KY_RS	03/14/2022	14	124,596.09		0.92791
KY_RS	03/14/2022	15	117,780.09		0.87715
KY_RS	03/14/2022	16	116,536.14		0.86789
KY_RS	03/14/2022	17	121,039.35		0.90143
KY_RS	03/14/2022	18	130,461.56		0.9716
KY_RS	03/14/2022	19	136,966.88		1.02004
KY_RS	03/14/2022	20	145,844.90		1.08616
KY_RS	03/14/2022	21	156,945.47		1.16883
KY_RS	03/14/2022	22	150,562.36		1.12129
KY_RS	03/14/2022	23	134,629.71		1.00264
KY_RS	03/14/2022	24	116,746.60		0.86946
KY_RS	03/15/2022	1	105,425.13		0.78514
KY_RS	03/15/2022	2	100,599.39		0.7492
KY_RS	03/15/2022	3	99,197.53		0.73876
KY_RS	03/15/2022	4	100,175.85		0.74605
KY_RS	03/15/2022	5	104,423.33		0.77768
KY_RS	03/15/2022	6	114,943.62		0.85603
KY_RS	03/15/2022	7	133,663.86		0.99545
KY_RS	03/15/2022	8	142,349.21		1.06013
KY_RS	03/15/2022	9	138,129.34		1.0287
KY_RS	03/15/2022	10	135,214.49		1.00699
KY_RS	03/15/2022	11	130,751.33		0.97375
KY_RS	03/15/2022	12	120,160.02		0.89488
KY_RS	03/15/2022	13	113,202.78		0.84306
KY_RS	03/15/2022	14	107,088.50		0.79753
KY_RS	03/15/2022	15	103,578.74		0.77139

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/15/2022	16	104,798.19		0.78047
KY_RS	03/15/2022	17	112,079.25		0.8347
KY_RS	03/15/2022	18	123,684.24		0.92112
KY_RS	03/15/2022	19	131,684.69		0.98071
KY_RS	03/15/2022	20	137,460.29		1.02372
KY_RS	03/15/2022	21	148,050.66		1.10259
KY_RS	03/15/2022	22	142,660.51		1.06245
KY_RS	03/15/2022	23	127,017.18		0.94594
KY_RS	03/15/2022	24	109,150.14		0.81288
KY_RS	03/16/2022	1	97,094.42		0.7231
KY_RS	03/16/2022	2	91,605.83		0.68222
KY_RS	03/16/2022	3	90,753.48		0.67588
KY_RS	03/16/2022	4	93,039.90		0.6929
KY_RS	03/16/2022	5	98,872.63		0.73634
KY_RS	03/16/2022	6	111,527.04		0.83058
KY_RS	03/16/2022	7	133,095.69		0.99121
KY_RS	03/16/2022	8	145,014.58		1.07998
KY_RS	03/16/2022	9	141,523.79		1.05398
KY_RS	03/16/2022	10	128,274.98		0.95531
KY_RS	03/16/2022	11	119,066.29		0.88673
KY_RS	03/16/2022	12	113,232.63		0.84329
KY_RS	03/16/2022	13	109,078.99		0.81235
KY_RS	03/16/2022	14	104,326.03		0.77696
KY_RS	03/16/2022	15	101,178.66		0.75352
KY_RS	03/16/2022	16	102,758.74		0.76528
KY_RS	03/16/2022	17	109,058.18		0.8122
KY_RS	03/16/2022	18	119,317.23		0.8886
KY_RS	03/16/2022	19	125,456.16		0.93432
KY_RS	03/16/2022	20	131,786.90		0.98147
KY_RS	03/16/2022	21	143,697.63		1.07017
KY_RS	03/16/2022	22	139,940.07		1.04219
KY_RS	03/16/2022	23	124,125.15		0.92441
KY_RS	03/16/2022	24	105,484.92		0.78559
KY_RS	03/17/2022	1	92,068.53		0.68567
KY_RS	03/17/2022	2	84,602.46		0.63007
KY_RS	03/17/2022	3	82,126.73		0.61163
KY_RS	03/17/2022	4	83,185.58		0.61951
KY_RS	03/17/2022	5	87,535.77		0.65191
KY_RS	03/17/2022	6	98,348.40		0.73244
KY_RS	03/17/2022	7	118,664.46		0.88374
KY_RS	03/17/2022	8	130,453.93		0.97154
KY_RS	03/17/2022	9	127,549.22		0.94991
KY_RS	03/17/2022	10	118,069.07		0.8793
KY_RS	03/17/2022	11	110,772.03		0.82496
KY_RS	03/17/2022	12	105,890.20		0.7886
KY_RS	03/17/2022	13	103,625.37		0.77174
KY_RS	03/17/2022	14	101,209.79		0.75375

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/17/2022	15	100,044.41		0.74507
KY_RS	03/17/2022	16	103,223.14		0.76874
KY_RS	03/17/2022	17	110,351.20		0.82183
KY_RS	03/17/2022	18	119,127.90		0.88719
KY_RS	03/17/2022	19	124,698.36		0.92868
KY_RS	03/17/2022	20	128,171.52		0.95454
KY_RS	03/17/2022	21	137,002.87		1.02031
KY_RS	03/17/2022	22	131,791.07		0.9815
KY_RS	03/17/2022	23	120,502.72		0.89743
KY_RS	03/17/2022	24	102,848.80		0.76595
KY_RS	03/18/2022	1	88,498.51		0.65908
KY_RS	03/18/2022	2	80,169.34		0.59705
KY_RS	03/18/2022	3	76,015.93		0.56612
KY_RS	03/18/2022	4	74,445.02		0.55442
KY_RS	03/18/2022	5	76,542.94		0.57004
KY_RS	03/18/2022	6	83,205.82		0.61967
KY_RS	03/18/2022	7	96,515.32		0.71879
KY_RS	03/18/2022	8	106,456.14		0.79282
KY_RS	03/18/2022	9	108,671.48		0.80932
KY_RS	03/18/2022	10	108,399.21		0.80729
KY_RS	03/18/2022	11	108,234.62		0.80606
KY_RS	03/18/2022	12	109,148.49		0.81287
KY_RS	03/18/2022	13	108,996.10		0.81173
KY_RS	03/18/2022	14	108,329.56		0.80677
KY_RS	03/18/2022	15	107,861.05		0.80328
KY_RS	03/18/2022	16	112,517.95		0.83796
KY_RS	03/18/2022	17	120,936.16		0.90066
KY_RS	03/18/2022	18	126,957.78		0.9455
KY_RS	03/18/2022	19	128,920.27		0.96012
KY_RS	03/18/2022	20	129,639.86		0.96548
KY_RS	03/18/2022	21	132,082.83		0.98367
KY_RS	03/18/2022	22	127,223.33		0.94748
KY_RS	03/18/2022	23	118,341.08		0.88133
KY_RS	03/18/2022	24	106,481.14		0.79301
KY_RS	03/19/2022	1	94,751.04		0.70565
KY_RS	03/19/2022	2	86,544.26		0.64453
KY_RS	03/19/2022	3	81,574.65		0.60752
KY_RS	03/19/2022	4	79,166.35		0.58958
KY_RS	03/19/2022	5	78,828.56		0.58707
KY_RS	03/19/2022	6	81,597.38		0.60769
KY_RS	03/19/2022	7	87,892.93		0.65457
KY_RS	03/19/2022	8	98,574.18		0.73412
KY_RS	03/19/2022	9	116,104.61		0.86467
KY_RS	03/19/2022	10	131,368.42		0.97835
KY_RS	03/19/2022	11	142,193.42		1.05897
KY_RS	03/19/2022	12	148,450.83		1.10557
KY_RS	03/19/2022	13	149,861.33		1.11607

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/19/2022	14	149,787.88		1.11553
KY_RS	03/19/2022	15	150,379.93		1.11994
KY_RS	03/19/2022	16	154,295.55		1.1491
KY_RS	03/19/2022	17	158,308.70		1.17898
KY_RS	03/19/2022	18	165,014.54		1.22893
KY_RS	03/19/2022	19	167,838.20		1.24995
KY_RS	03/19/2022	20	168,848.90		1.25748
KY_RS	03/19/2022	21	169,271.55		1.26063
KY_RS	03/19/2022	22	164,217.34		1.22299
KY_RS	03/19/2022	23	154,076.16		1.14746
KY_RS	03/19/2022	24	143,547.46		1.06905
KY_RS	03/20/2022	1	132,088.15		0.98371
KY_RS	03/20/2022	2	123,354.65		0.91867
KY_RS	03/20/2022	3	118,292.19		0.88097
KY_RS	03/20/2022	4	114,974.44		0.85626
KY_RS	03/20/2022	5	113,802.94		0.84753
KY_RS	03/20/2022	6	116,828.85		0.87007
KY_RS	03/20/2022	7	124,496.49		0.92717
KY_RS	03/20/2022	8	137,366.69		1.02302
KY_RS	03/20/2022	9	151,254.29		1.12645
KY_RS	03/20/2022	10	154,363.51		1.1496
KY_RS	03/20/2022	11	153,046.85		1.1398
KY_RS	03/20/2022	12	150,193.37		1.11855
KY_RS	03/20/2022	13	146,813.14		1.09337
KY_RS	03/20/2022	14	141,239.53		1.05186
KY_RS	03/20/2022	15	134,861.70		1.00437
KY_RS	03/20/2022	16	131,446.90		0.97893
KY_RS	03/20/2022	17	132,938.04		0.99004
KY_RS	03/20/2022	18	138,241.94		1.02954
KY_RS	03/20/2022	19	142,636.20		1.06227
KY_RS	03/20/2022	20	148,950.62		1.10929
KY_RS	03/20/2022	21	160,822.42		1.19771
KY_RS	03/20/2022	22	153,681.12		1.14452
KY_RS	03/20/2022	23	135,922.02		1.01226
KY_RS	03/20/2022	24	117,249.71		0.8732
KY_RS	03/21/2022	1	104,764.24		0.78022
KY_RS	03/21/2022	2	98,995.12		0.73725
KY_RS	03/21/2022	3	97,470.04		0.7259
KY_RS	03/21/2022	4	99,062.44		0.73776
KY_RS	03/21/2022	5	104,035.46		0.77479
KY_RS	03/21/2022	6	116,011.67		0.86398
KY_RS	03/21/2022	7	137,027.10		1.02049
KY_RS	03/21/2022	8	148,134.83		1.10322
KY_RS	03/21/2022	9	141,892.34		1.05673
KY_RS	03/21/2022	10	129,668.93		0.96569
KY_RS	03/21/2022	11	120,165.01		0.89491
KY_RS	03/21/2022	12	113,652.25		0.84641

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/21/2022	13	109,860.11		0.81817
KY_RS	03/21/2022	14	105,586.11		0.78634
KY_RS	03/21/2022	15	102,311.20		0.76195
KY_RS	03/21/2022	16	104,607.66		0.77905
KY_RS	03/21/2022	17	111,973.52		0.83391
KY_RS	03/21/2022	18	123,406.18		0.91905
KY_RS	03/21/2022	19	130,533.34		0.97213
KY_RS	03/21/2022	20	136,965.45		1.02003
KY_RS	03/21/2022	21	146,909.49		1.09409
KY_RS	03/21/2022	22	139,380.25		1.03802
KY_RS	03/21/2022	23	121,101.50		0.90189
KY_RS	03/21/2022	24	101,320.87		0.75457
KY_RS	03/22/2022	1	88,254.98		0.65727
KY_RS	03/22/2022	2	81,026.96		0.60344
KY_RS	03/22/2022	3	77,592.45		0.57786
KY_RS	03/22/2022	4	77,431.46		0.57666
KY_RS	03/22/2022	5	80,558.56		0.59995
KY_RS	03/22/2022	6	89,620.97		0.66744
KY_RS	03/22/2022	7	107,877.08		0.8034
KY_RS	03/22/2022	8	117,418.28		0.87446
KY_RS	03/22/2022	9	115,619.45		0.86106
KY_RS	03/22/2022	10	114,651.53		0.85385
KY_RS	03/22/2022	11	114,917.19		0.85583
KY_RS	03/22/2022	12	116,150.96		0.86502
KY_RS	03/22/2022	13	116,689.71		0.86903
KY_RS	03/22/2022	14	112,089.82		0.83478
KY_RS	03/22/2022	15	109,185.73		0.81315
KY_RS	03/22/2022	16	112,499.45		0.83783
KY_RS	03/22/2022	17	120,489.88		0.89733
KY_RS	03/22/2022	18	133,512.24		0.99432
KY_RS	03/22/2022	19	138,904.10		1.03447
KY_RS	03/22/2022	20	142,328.14		1.05997
KY_RS	03/22/2022	21	146,995.14		1.09473
KY_RS	03/22/2022	22	138,715.14		1.03306
KY_RS	03/22/2022	23	120,930.09		0.90061
KY_RS	03/22/2022	24	102,019.54		0.75978
KY_RS	03/23/2022	1	88,629.99		0.66006
KY_RS	03/23/2022	2	81,131.43		0.60422
KY_RS	03/23/2022	3	77,025.97		0.57364
KY_RS	03/23/2022	4	76,213.46		0.56759
KY_RS	03/23/2022	5	77,940.13		0.58045
KY_RS	03/23/2022	6	85,679.58		0.63809
KY_RS	03/23/2022	7	102,169.18		0.76089
KY_RS	03/23/2022	8	109,819.32		0.81787
KY_RS	03/23/2022	9	105,667.96		0.78695
KY_RS	03/23/2022	10	102,126.83		0.76058
KY_RS	03/23/2022	11	100,385.32		0.74761

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/23/2022	12	101,222.08		0.75384
KY_RS	03/23/2022	13	101,610.73		0.75673
KY_RS	03/23/2022	14	100,127.48		0.74569
KY_RS	03/23/2022	15	100,677.58		0.74978
KY_RS	03/23/2022	16	105,047.88		0.78233
KY_RS	03/23/2022	17	112,289.40		0.83626
KY_RS	03/23/2022	18	123,454.07		0.91941
KY_RS	03/23/2022	19	128,954.04		0.96037
KY_RS	03/23/2022	20	133,733.63		0.99596
KY_RS	03/23/2022	21	141,812.59		1.05613
KY_RS	03/23/2022	22	136,800.78		1.01881
KY_RS	03/23/2022	23	120,021.81		0.89385
KY_RS	03/23/2022	24	103,088.80		0.76774
KY_RS	03/24/2022	1	91,593.63		0.68213
KY_RS	03/24/2022	2	85,723.83		0.63842
KY_RS	03/24/2022	3	83,864.07		0.62457
KY_RS	03/24/2022	4	85,259.45		0.63496
KY_RS	03/24/2022	5	89,738.84		0.66832
KY_RS	03/24/2022	6	100,778.53		0.75054
KY_RS	03/24/2022	7	120,826.34		0.89984
KY_RS	03/24/2022	8	131,886.44		0.98221
KY_RS	03/24/2022	9	128,924.06		0.96015
KY_RS	03/24/2022	10	125,806.09		0.93693
KY_RS	03/24/2022	11	119,661.68		0.89117
KY_RS	03/24/2022	12	116,155.38		0.86505
KY_RS	03/24/2022	13	113,609.43		0.84609
KY_RS	03/24/2022	14	110,831.53		0.8254
KY_RS	03/24/2022	15	110,538.68		0.82322
KY_RS	03/24/2022	16	113,187.54		0.84295
KY_RS	03/24/2022	17	122,917.89		0.91542
KY_RS	03/24/2022	18	141,086.70		1.05073
KY_RS	03/24/2022	19	145,566.74		1.08409
KY_RS	03/24/2022	20	152,183.90		1.13337
KY_RS	03/24/2022	21	160,356.17		1.19423
KY_RS	03/24/2022	22	156,049.01		1.16216
KY_RS	03/24/2022	23	142,621.85		1.06216
KY_RS	03/24/2022	24	127,085.74		0.94646
KY_RS	03/25/2022	1	116,600.53		0.86837
KY_RS	03/25/2022	2	111,326.13		0.82909
KY_RS	03/25/2022	3	110,375.76		0.82201
KY_RS	03/25/2022	4	111,916.12		0.83348
KY_RS	03/25/2022	5	115,621.83		0.86108
KY_RS	03/25/2022	6	125,349.28		0.93352
KY_RS	03/25/2022	7	142,982.80		1.06485
KY_RS	03/25/2022	8	151,935.42		1.13152
KY_RS	03/25/2022	9	150,422.92		1.12026
KY_RS	03/25/2022	10	147,240.36		1.09655

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/25/2022	11	141,288.39		1.05223
KY_RS	03/25/2022	12	147,030.59		1.09499
KY_RS	03/25/2022	13	149,089.22		1.11032
KY_RS	03/25/2022	14	146,902.92		1.09404
KY_RS	03/25/2022	15	146,302.74		1.08957
KY_RS	03/25/2022	16	152,566.20		1.13622
KY_RS	03/25/2022	17	162,109.86		1.20729
KY_RS	03/25/2022	18	166,813.84		1.24233
KY_RS	03/25/2022	19	170,712.43		1.27136
KY_RS	03/25/2022	20	173,298.93		1.29062
KY_RS	03/25/2022	21	172,793.06		1.28685
KY_RS	03/25/2022	22	167,395.59		1.24666
KY_RS	03/25/2022	23	159,900.88		1.19084
KY_RS	03/25/2022	24	150,315.74		1.11946
KY_RS	03/26/2022	1	139,785.72		1.04104
KY_RS	03/26/2022	2	135,617.34		1.00999
KY_RS	03/26/2022	3	133,399.75		0.99348
KY_RS	03/26/2022	4	133,678.57		0.99555
KY_RS	03/26/2022	5	136,924.03		1.01972
KY_RS	03/26/2022	6	140,882.23		1.0492
KY_RS	03/26/2022	7	147,355.00		1.09741
KY_RS	03/26/2022	8	160,078.86		1.19217
KY_RS	03/26/2022	9	176,088.44		1.3114
KY_RS	03/26/2022	10	188,043.01		1.40043
KY_RS	03/26/2022	11	195,792.49		1.45814
KY_RS	03/26/2022	12	200,159.58		1.49066
KY_RS	03/26/2022	13	201,615.41		1.50151
KY_RS	03/26/2022	14	200,078.96		1.49006
KY_RS	03/26/2022	15	197,690.61		1.47228
KY_RS	03/26/2022	16	195,005.76		1.45228
KY_RS	03/26/2022	17	197,975.03		1.47439
KY_RS	03/26/2022	18	199,557.12		1.48618
KY_RS	03/26/2022	19	190,565.74		1.41921
KY_RS	03/26/2022	20	194,716.09		1.45012
KY_RS	03/26/2022	21	204,013.74		1.51937
KY_RS	03/26/2022	22	203,302.76		1.51407
KY_RS	03/26/2022	23	196,121.02		1.46059
KY_RS	03/26/2022	24	185,325.64		1.38019
KY_RS	03/27/2022	1	176,905.36		1.31748
KY_RS	03/27/2022	2	170,015.16		1.26617
KY_RS	03/27/2022	3	167,029.31		1.24393
KY_RS	03/27/2022	4	166,373.43		1.23905
KY_RS	03/27/2022	5	167,694.32		1.24888
KY_RS	03/27/2022	6	170,624.95		1.27071
KY_RS	03/27/2022	7	175,767.03		1.309
KY_RS	03/27/2022	8	185,877.86		1.3843
KY_RS	03/27/2022	9	200,853.70		1.49583

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/27/2022	10	206,418.40		1.53728
KY_RS	03/27/2022	11	203,752.30		1.51742
KY_RS	03/27/2022	12	199,022.48		1.4822
KY_RS	03/27/2022	13	195,102.86		1.453
KY_RS	03/27/2022	14	188,223.71		1.40177
KY_RS	03/27/2022	15	181,472.59		1.35149
KY_RS	03/27/2022	16	175,699.12		1.3085
KY_RS	03/27/2022	17	174,275.14		1.29789
KY_RS	03/27/2022	18	177,298.97		1.32041
KY_RS	03/27/2022	19	181,182.99		1.34934
KY_RS	03/27/2022	20	192,408.21		1.43294
KY_RS	03/27/2022	21	208,710.71		1.55435
KY_RS	03/27/2022	22	205,845.99		1.53301
KY_RS	03/27/2022	23	192,415.48		1.43299
KY_RS	03/27/2022	24	176,894.88		1.3174
KY_RS	03/28/2022	1	167,090.26		1.24438
KY_RS	03/28/2022	2	163,383.64		1.21678
KY_RS	03/28/2022	3	163,880.13		1.22048
KY_RS	03/28/2022	4	167,766.29		1.24942
KY_RS	03/28/2022	5	175,155.94		1.30445
KY_RS	03/28/2022	6	189,600.72		1.41203
KY_RS	03/28/2022	7	212,539.76		1.58286
KY_RS	03/28/2022	8	225,349.80		1.67826
KY_RS	03/28/2022	9	212,051.68		1.57923
KY_RS	03/28/2022	10	191,738.65		1.42795
KY_RS	03/28/2022	11	178,661.08		1.33056
KY_RS	03/28/2022	12	171,317.33		1.27586
KY_RS	03/28/2022	13	166,223.77		1.23793
KY_RS	03/28/2022	14	158,944.82		1.18372
KY_RS	03/28/2022	15	152,138.95		1.13304
KY_RS	03/28/2022	16	149,333.47		1.11214
KY_RS	03/28/2022	17	152,228.26		1.1337
KY_RS	03/28/2022	18	162,268.09		1.20847
KY_RS	03/28/2022	19	169,179.91		1.25995
KY_RS	03/28/2022	20	179,424.92		1.33624
KY_RS	03/28/2022	21	194,373.91		1.44758
KY_RS	03/28/2022	22	191,726.06		1.42786
KY_RS	03/28/2022	23	177,416.09		1.32128
KY_RS	03/28/2022	24	163,274.38		1.21597
KY_RS	03/29/2022	1	153,784.55		1.14529
KY_RS	03/29/2022	2	149,959.68		1.11681
KY_RS	03/29/2022	3	148,880.15		1.10877
KY_RS	03/29/2022	4	150,205.35		1.11864
KY_RS	03/29/2022	5	153,856.26		1.14583
KY_RS	03/29/2022	6	164,565.13		1.22558
KY_RS	03/29/2022	7	184,287.74		1.37246
KY_RS	03/29/2022	8	193,277.90		1.43941

Rate Class	Date	Hour	Usage		AVG CUST
KY_RS	03/29/2022	9	188,232.66		1.40184
KY_RS	03/29/2022	10	183,579.61		1.36719
KY_RS	03/29/2022	11	182,197.12		1.35689
KY_RS	03/29/2022	12	177,222.29		1.31984
KY_RS	03/29/2022	13	171,466.99		1.27698
KY_RS	03/29/2022	14	162,832.60		1.21268
KY_RS	03/29/2022	15	154,569.20		1.15114
KY_RS	03/29/2022	16	163,029.11		1.21414
KY_RS	03/29/2022	17	177,614.51		1.32276
KY_RS	03/29/2022	18	194,305.22		1.44706
KY_RS	03/29/2022	19	199,784.18		1.48787
KY_RS	03/29/2022	20	200,797.07		1.49541
KY_RS	03/29/2022	21	202,394.02		1.5073
KY_RS	03/29/2022	22	191,821.00		1.42856
KY_RS	03/29/2022	23	173,047.18		1.28875
KY_RS	03/29/2022	24	153,125.96		1.14039
KY_RS	03/30/2022	1	139,005.74		1.03523
KY_RS	03/30/2022	2	132,112.99		0.9839
KY_RS	03/30/2022	3	128,875.21		0.95978
KY_RS	03/30/2022	4	128,138.98		0.9543
KY_RS	03/30/2022	5	130,564.96		0.97237
KY_RS	03/30/2022	6	139,225.77		1.03687
KY_RS	03/30/2022	7	155,586.55		1.15871
KY_RS	03/30/2022	8	159,578.10		1.18844
KY_RS	03/30/2022	9	147,005.82		1.09481
KY_RS	03/30/2022	10	130,487.30		0.97179
KY_RS	03/30/2022	11	119,948.48		0.8933
KY_RS	03/30/2022	12	110,683.08		0.8243
KY_RS	03/30/2022	13	105,600.13		0.78644
KY_RS	03/30/2022	14	101,078.78		0.75277
KY_RS	03/30/2022	15	98,157.04		0.73101
KY_RS	03/30/2022	16	101,997.62		0.75961
KY_RS	03/30/2022	17	110,083.57		0.81983
KY_RS	03/30/2022	18	119,528.62		0.89017
KY_RS	03/30/2022	19	123,854.83		0.92239
KY_RS	03/30/2022	20	130,073.37		0.96871
KY_RS	03/30/2022	21	141,341.05		1.05262
KY_RS	03/30/2022	22	137,814.14		1.02635
KY_RS	03/30/2022	23	123,033.63		0.91628
KY_RS	03/30/2022	24	104,691.88		0.77968
KY_RS	03/31/2022	1	38,827.55		0.28916
KY_RS	03/31/2022	2	80,148.98		0.5969
KY_RS	03/31/2022	3	74,114.56		0.55196
KY_RS	03/31/2022	4	71,992.12		0.53615
KY_RS	03/31/2022	5	72,789.80		0.54209
KY_RS	03/31/2022	6	79,293.32		0.59053
KY_RS	03/31/2022	7	94,942.27		0.70707

Rate Class	Date	Hour	Usage	AVG CUST
KY_RS	03/31/2022	8	104,100.99	0.77528
KY_RS	03/31/2022	9	102,785.11	0.76548
KY_RS	03/31/2022	10	105,344.54	0.78454
KY_RS	03/31/2022	11	111,100.43	0.82741
KY_RS	03/31/2022	12	115,259.68	0.85838
KY_RS	03/31/2022	13	120,931.46	0.90062
KY_RS	03/31/2022	14	122,573.62	0.91285
KY_RS	03/31/2022	15	125,133.17	0.93191
KY_RS	03/31/2022	16	134,990.08	1.00532
KY_RS	03/31/2022	17	149,626.83	1.11433
KY_RS	03/31/2022	18	166,701.09	1.24149
KY_RS	03/31/2022	19	175,892.14	1.30993
KY_RS	03/31/2022	20	179,516.38	1.33693
KY_RS	03/31/2022	21	183,384.52	1.36573
KY_RS	03/31/2022	22	176,385.79	1.31361
KY_RS	03/31/2022	23	161,509.03	1.20282
KY_RS	03/31/2022	24	145,361.95	1.08257
Total			1,484,012,602	11,052
				2.81
Scaling Factor			0.000007447	
Monthly kWh/Cust 2022-00372			921	
Annual kWh / Customer			11,052	
Avg Mo Customers Calculated			134,275	

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
3	Rate		KY_RS	<u>Delivered</u>													
4	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330
5	1/1/2022	1	6	68.876	63.262	62.576	66.927	63.902	62.781	60.074	59.223	55.311	60.924	59.021	56.105	57.114	54.673
6	1/2/2022	1	7	73.205	70.132	66.895	67.619	64.355	67.532	70.398	67.197	64.517	60.664	63.141	58.184	61.149	64.511
7	1/3/2022	1	1	103.958	95.523	93.638	92.006	93.638	95.839	96.262	97.73	90.228	89.868	92.477	91.773	96.787	93.132
8	1/4/2022	1	2	109.531	100.176	93.985	100.53	98.133	101.876	103.317	99.712	99.299	95.291	98.673	102.496	93.803	100.903
9	1/5/2022	1	3	94.106	91.683	90.143	83.592	81.86	82.216	82.766	88.894	81.068	87.89	90.016	84.131	84.381	83.532
10	1/6/2022	1	4	104.817	94.016	96.258	96.572	96.599	96.751	103.339	98.606	100.012	104.724	102.541	96.508	98.275	97.584
11	1/7/2022	1	5	118.578	124.789	115.163	122.239	116.509	120.009	118.03	118.162	124.011	121.632	120.631	117.597	120.339	117.816
12	1/8/2022	1	6	145.628	125.384	129.956	128.423	136.048	132.774	127.029	132.382	132.847	129.287	131.973	126.358	119.127	123.436
13	1/9/2022	1	7	110.703	98.737	95.015	92.384	97.507	94.004	90.78	89.903	85.614	86.781	80.445	85.214	85.798	90.459
14	1/10/2022	1	1	110.14	102.837	102.264	97.035	96.377	101.846	93.547	96.953	93.597	98.298	99.661	93.42	100.967	95.611
15	1/11/2022	1	2	115.633	106.492	113.58	105.159	109.609	105.705	103.809	100.666	109.05	111.739	107.532	108.19	110.828	101.277
16	1/12/2022	1	3	98.531	97.379	91.65	95.708	95.579	94.521	95.667	94.733	95.927	97.608	95.041	99.28	96.137	96.134
17	1/13/2022	1	4	95.197	96.455	90.707	94.137	89.682	87.024	80.798	83.538	86.66	88.441	81.016	91.115	84.459	84.606
18	1/14/2022	1	5	81.999	92.353	85.728	87.218	78.689	85.374	83.056	83.407	81.652	81.939	85.53	85.274	90.357	84.409
19	1/15/2022	1	6	99.198	96.779	103.159	102.491	90.91	86.18	95.15	84.475	88.27	86.773	88.643	90.985	89.151	87.831
20	1/16/2022	1	7	102.88	98.781	103.612	100.006	102.532	102.419	105.203	103.991	102.578	98.611	101.107	104.008	98.414	92.234
21	1/17/2022	1	1	109.045	100.164	94.789	104.496	97.856	95.535	98.181	104.282	101.669	102.734	104.015	98.973	104.434	105.554
22	1/18/2022	1	2	106.072	97.835	95.962	94.812	98.809	99.719	95.184	95.729	96.428	92.276	96.979	101.192	97.381	95.181
23	1/19/2022	1	3	100.861	92.226	92.568	93.896	90.078	98.246	96.435	93.228	92.372	88.82	91.161	91.826	92.127	93.089
24	1/20/2022	1	4	94.162	88.391	82.785	90.639	86.203	93.19	101.498	98.859	93.059	95.465	92.28	99.727	93.932	96.462
25	1/21/2022	1	5	118.213	109.087	108.81	106.716	113.136	112.001	108.267	106.965	105.186	110.266	102.676	109.364	115.671	101.533
26	1/22/2022	1	6	131.97	130.217	121.931	126.815	121.493	124.068	122.736	117.441	126.746	122.161	125.329	128.506	121.765	128.948
27	1/23/2022	1	7	110.013	110.249	106.571	104.022	100.015	100.268	107.507	105.554	105.925	101.012	98.575	106.385	104.798	101.543
28	1/24/2022	1	1	113.091	113.337	116.23	112.369	107.329	116.998	119.396	114.562	114.945	102.501	106.141	111.833	108.52	115.561
29	1/25/2022	1	2	101.388	90.09	94.004	91.871	95.306	87.737	92.24	93.115	95.935	87.108	90.189	95.314	85.715	84.772
30	1/26/2022	1	3	112.84	117.891	114.312	121.137	118.249	110.508	115.83	117.694	113.156	119.102	115.403	122.274	113.538	114.569
31	1/27/2022	1	4	130.517	136.86	124.271	122.041	128.739	124.38	129.179	127.854	121.535	132.85	119.704	117.316	126.172	127.815
32	1/28/2022	1	5	97.65	97.444	93.77	101.443	102.303	91.588	97.889	95.009	94.523	94.258	92.511	94.103	99.045	90.64
33	1/29/2022	1	6	126.408	129.007	128.341	125.014	127.187	121.673	118.02	117.088	118.602	124.835	116.606	117.695	116.847	117.872
34	1/30/2022	1	7	123.635	129.365	121.883	116.822	115.739	114.999	120.276	120.35	112.588	112.614	115.187	118.288	107.304	111.803
35	1/31/2022	1	1	101.912	95.188	90.706	95.411	89.538	90.674	94.441	89.947	93.431	94.099	93.552	88.483	88.087	94.923
36	2/1/2022	2	2	96.418	93.977	90.133	87.136	91.792	91.908	98.711	95.186	87.081	87.537	86.58	92.432	90.619	88.855
37	2/2/2022	2	3	80.45	77.368	72.176	69.395	76.746	79.278	73.685	68.433	71.396	71.401	74.541	71.765	74.091	68.835
38	2/3/2022	2	4	94.937	88.923	85.844	84.438	84.528	85.864	89.723	82.431	88.638	83.687	82.801	91.801	86.164	88.484
39	2/4/2022	2	5	111.314	104.358	105.049	104.355	100.163	109.351	100.593	102.63	109.748	96.047	97.82	96.663	105.002	106.998
40	2/5/2022	2	6	108.204	113.49	112.165	116.694	111.885	115.002	120.47	112.814	114.222	111.297	106.202	116.581	108.1	114.169
41	2/6/2022	2	7	122.818	118.453	126.163	121.22	123.889	124.617	120.194	134.135	119.848	108.607	118.359	112.172	118.901	124.661
42	2/7/2022	2	1	95.269	94.283	90.129	93.335	94.294	93.064	92.991	95.285	95.561	95.32	95.549	89.406	95.271	102.116
43	2/8/2022	2	2	100.992	98.77	102.725	101.798	101.309	103.944	97.043	99.472	95.037	103.116	107.746	111.283	97.44	98.212
44	2/9/2022	2	3	92.601	87.817	87.103	87.485	89.065	86.678	85.878	83.136	85.842	80.36	86.612	89.774	83.093	84.539
45	2/10/2022	2	4	94.597	85.44	85.723	87.022	84.142	83.078	88.225	87.213	82.105	80.342	85.162	84.221	82.611	82.296
46	2/11/2022	2	5	104.594	96.413	96.423	93.35	89.098	91.469	87.401	92.286	95.54	95.693	92.82	91.228	95.236	91.173
47	2/12/2022	2	6	86.578	90.179	83.038	87.273	83.609	87.434	85.513	77.573	77.672	82.273	81.299	78.567	83.375	86.793

	B	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
3																	
4	measurement date	D_0345	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730
5	1/1/2022	53.282	51.831	54.591	52.034	53.946	49.245	50.786	51.898	51.762	51.765	53.239	54.39	54.792	55.589	57.811	61.249
6	1/2/2022	61.985	57.769	66.994	70.73	66.885	66.318	71.397	69.203	70.565	74.066	73.363	75.26	74.102	77.557	78.152	86.306
7	1/3/2022	87.143	90.594	88.86	95.48	94.858	93.279	93.05	94.899	103.197	109.165	109.959	114.011	119.698	111.773	117.919	121.481
8	1/4/2022	94.152	98.013	106.691	103.716	103.913	100.553	105.202	104.316	104.588	118.812	131.571	133.887	127.481	126.445	134.457	138.052
9	1/5/2022	87.06	85.369	84.873	87.067	90.617	89.715	95.276	95.513	97.711	111.253	106.098	114.092	112.497	114.946	108.556	117.084
10	1/6/2022	101.846	109.497	96.697	97.622	106.78	106.005	111.406	103.699	105.601	120.533	120.897	116.842	121.978	136.351	120.146	121.739
11	1/7/2022	122.956	117.665	118.204	113.432	125	119.977	124.721	132.771	131.847	135.34	133.294	139.186	144.701	136.645	137.051	134.598
12	1/8/2022	133.228	138.002	123.745	128.04	123.687	130.567	136.707	123.874	122.493	127.559	137.074	135.101	139.613	141.515	142.298	145.769
13	1/9/2022	89.342	87.669	87.714	86.766	88.428	80.579	87.169	90.15	91.469	89.893	87.823	98.272	100.444	103.446	92.312	97.153
14	1/10/2022	99.888	98.841	99.947	108.578	114.982	100.035	106.03	115.922	115.305	117.196	125.881	124.017	129.13	137.724	137.692	140.687
15	1/11/2022	112.575	126.698	123.08	115.72	116.848	118.554	119.551	123.801	131.12	126.931	144.587	139.171	140.949	144.526	149.942	153.442
16	1/12/2022	93.502	103.569	95.525	96.039	98.358	95.03	99.08	94.994	105.93	108.122	116.309	118.492	115.067	120.275	115.256	118.138
17	1/13/2022	88.459	81.565	82.693	81.66	82.428	89.663	94.195	93.643	93.196	103.072	100.879	102.936	104.606	114.292	116.579	117.173
18	1/14/2022	85.338	82.915	84.994	94.585	92.986	89.901	94.556	97.604	90.705	99.191	108.226	95.851	105.503	116.962	109.48	114.17
19	1/15/2022	96.798	98.253	90.754	83.161	86.645	88.476	91.299	93.992	88.406	87.921	97.292	94.734	97.145	103.826	103.612	101.871
20	1/16/2022	103.783	94.258	95.858	104.21	109.756	106.561	105.322	96.931	102.759	107.626	98.497	103.815	107.129	114.447	112.692	110.69
21	1/17/2022	101.584	101.466	92.126	100.693	98.981	94.653	105.806	108.371	98.6	101.272	109.243	106.895	107.669	116.835	113.666	119.274
22	1/18/2022	96.495	95.694	96.076	92.886	102.843	98.255	101.97	104.639	113.948	108.131	114.436	124.32	117.245	127.717	128.963	114.85
23	1/19/2022	95.387	87.326	89.694	87.826	84.396	94.302	92.963	92.523	101.22	99.068	114.295	106.885	109.077	113.933	108.436	108.947
24	1/20/2022	96.941	102.889	103.846	106.382	108.061	105.956	105.968	111.313	115.143	120.557	130.65	129.951	131.104	131.001	137.952	128.306
25	1/21/2022	111.338	110.131	105.858	104.837	117.213	113.041	113.842	118.545	119.59	125.54	127.042	134.492	128.66	142.867	143.403	132.858
26	1/22/2022	132.608	121.976	128.553	127.129	121.267	128.743	128.508	134.803	137.173	138.487	129.701	132.274	137.302	145.35	147.716	150.573
27	1/23/2022	106.254	101.113	97.326	101.266	101.098	102.097	106.021	107.472	110.332	113.894	105.271	111.002	113.641	115.076	105.539	112.818
28	1/24/2022	110.895	117.659	109.554	104.902	103.919	115.518	114.687	119.911	117.738	132.334	129.195	125.997	142.405	144.736	138.593	134.781
29	1/25/2022	91.928	94.904	99.389	98.434	96.8	92.556	98.983	98.338	104.474	114.739	123.128	123.15	122.341	127.782	125.25	115.85
30	1/26/2022	120.761	121.923	130.269	121.79	116.319	128.657	133.76	134.19	131.75	149.482	154.473	154.68	155.814	152.094	157.865	167.595
31	1/27/2022	129.778	131.696	141.959	130.587	120.048	133.518	133.396	142.837	135.855	154.349	152.87	151.15	159.352	165.721	161.137	159.472
32	1/28/2022	97.299	100.6	95.752	94.092	93.495	90.868	105.938	107.269	108.674	107.234	107.632	114.942	117.574	124.339	121.188	117.535
33	1/29/2022	127.604	124.16	118.448	121.813	122.255	115.666	120.322	118.28	120.559	129.018	130.471	135.246	146.639	145.123	153.321	138.995
34	1/30/2022	123.125	113.625	115.645	115.611	118.635	119.039	110.185	113.683	101.837	104.928	117.448	113.934	115.289	117.396	128.257	117.701
35	1/31/2022	92.352	94.764	90.714	104.634	92.051	96.147	105.643	99.528	99.957	107.526	122.006	131.393	125.724	124.567	128.245	125.4
36	2/1/2022	91.041	93.02	88.969	89.824	82.69	102.503	100.342	96.904	98.376	107.053	107.776	122.008	122.283	126.096	115.433	121.783
37	2/2/2022	67.256	66.616	69.111	72.133	76.212	85.171	77.801	87.517	89.254	91.852	101.672	103.25	97.889	104.555	106.098	105.455
38	2/3/2022	79.532	84.189	78.167	88.777	85.013	93.684	96.697	95.499	96.014	96.191	103.122	105.333	107.693	113.876	111.156	103.925
39	2/4/2022	112.556	102.754	111.068	104.106	109.329	116.594	114.479	110.232	112.281	118.295	113.862	116.224	109.281	119.921	129.574	118.808
40	2/5/2022	109.727	113.732	115.917	101.776	116.317	115.707	108.343	113.21	111.363	115.591	117.805	118.692	126.58	117.129	122.861	124.617
41	2/6/2022	116.387	122.886	114.949	117.284	115.723	119.129	125.355	115.429	128.124	118.938	131.343	124.131	126.787	122.524	134.34	132.016
42	2/7/2022	92.942	96.91	102.635	96.363	95.831	102.899	110.931	107.94	117.339	121.02	112.877	114.934	115.546	128.862	113.406	116.701
43	2/8/2022	107.388	104.597	100.334	110.449	110.045	108.006	117.478	123.366	128.522	129.193	136.362	133.486	135.535	143.409	145.69	148.017
44	2/9/2022	95.029	90.455	91.349	85.544	90.274	84.843	90.323	93.312	97.675	101.177	109.757	119.898	111.27	115.279	107.538	112.683
45	2/10/2022	80.614	84.747	85.534	81.64	90.487	88.073	91.604	90.181	95.691	95.667	107.71	107.127	110.455	114.557	113.28	112.761
46	2/11/2022	86.292	92.912	87.678	87.736	93.787	92.512	99.249	98.828	93.38	106.004	109.75	108.57	110.035	118.916	125.448	113.173
47	2/12/2022	81.868	82.533	81.644	83.237	82.826	85.875	89.501	84.105	91.672	90.548	95.392	91.14	94.447	93.597	101.533	98.839

	B	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY
3																		
4	measurement date	D_0745	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
5	1/1/2022	58.599	61.419	60.435	61.458	59.704	60.151	65.812	61.476	61.743	67.404	73.031	70.818	72.77	73.357	69.491	74.429	76.556
6	1/2/2022	88.587	86.96	88.059	89.212	95.793	99.666	96.813	102.181	93.088	95.266	90.491	91.143	86.281	83.988	81.568	88.234	91.44
7	1/3/2022	129.787	128.05	130.741	115.473	110.103	94.339	85.756	74.475	65.466	61.485	47.425	43.402	36.988	29.879	31.765	29.41	30.673
8	1/4/2022	134.854	122.85	128.995	115.334	103.773	91.23	79.502	77.375	58.46	49.217	52.326	46.128	30.75	30.188	28.441	24.612	19.353
9	1/5/2022	109.6	117.831	117.702	115.939	102.426	96.097	66.113	58.097	53.901	45.514	39.221	37.302	29.326	25.621	21.777	17.256	21.913
10	1/6/2022	127.497	121.402	122.639	115.967	114.004	115.095	95.842	99.299	96.153	99.879	91.093	87.044	79.385	83.734	78.687	82.503	86.749
11	1/7/2022	128.847	142.509	145.098	161.136	156.626	146.841	155.598	160.657	139.436	137.312	136.729	134.173	140.801	131.696	134.059	128.852	120.46
12	1/8/2022	146.554	149.303	158.555	155.702	146.58	142.064	140.992	138.186	132.474	123.685	123.943	104.511	100.975	94.96	91.867	76.499	76.824
13	1/9/2022	96.592	96.069	104.365	105.422	108.558	113.399	103.435	102.638	89.268	93.293	101.86	105.464	110.868	108.092	114.919	106.127	96.34
14	1/10/2022	144.529	131.309	126.59	117.037	113.305	103.568	97.255	97.065	102.102	104.729	94.278	85.829	74.681	59.117	36.397	33.997	39.084
15	1/11/2022	147.357	146.512	145.044	142.276	120.103	103.551	90.258	84.037	68.711	67.088	59.737	55.389	47.744	40.48	40.269	35.705	27.353
16	1/12/2022	116.764	115.981	119.336	112.341	105.472	88.503	67.57	63.12	56.879	43.364	37.954	36.713	35.699	28.857	27.889	26.7	22.972
17	1/13/2022	108.26	109.702	102.527	103.833	109.747	90.48	68.758	57.086	40.28	36.796	35.936	25.579	34.066	37.123	33.495	43.03	39.144
18	1/14/2022	120.811	118.898	112.529	108.674	109.464	106.387	94.678	92.982	93.06	91.613	89.458	89.861	85.754	85.162	83.849	72.636	80.514
19	1/15/2022	98.58	100.159	119.342	114.017	105.287	100.194	98.511	87.765	77.835	76.172	80.228	85.964	88.719	92.875	89.482	85.535	85.483
20	1/16/2022	111.506	110.391	121.969	112.363	104.957	111.156	95.568	91.513	70.471	66.412	69.492	64.838	65.805	62.118	61.287	60.475	73.051
21	1/17/2022	112.248	113.736	116.862	119.898	119.733	126.201	121.978	130.337	126.065	140.084	125.451	126.346	119.464	137.42	128.383	130.67	129.675
22	1/18/2022	117.522	126.303	124.368	114.937	112.931	115.258	108.668	108.013	108.117	102.173	90.029	85.297	87.204	83.516	75.109	65.552	64.465
23	1/19/2022	106.909	111.532	114.226	100.278	98.672	88.581	77.878	70.223	44.692	39.051	29.336	23.817	27.678	36.068	24.736	28.18	25.781
24	1/20/2022	130.824	123.852	124.904	114.695	110.434	89.048	70.801	71.092	62.453	61.556	50.227	39.419	38.395	32.533	30.301	27.361	27.846
25	1/21/2022	132.869	125.769	132.555	129.326	119.011	110.488	92.829	80.268	70.957	64.258	52.122	53.798	57.757	57.254	58.344	57.878	46.214
26	1/22/2022	149.719	151.001	153.482	146.971	134.201	119.074	107.938	93.491	77.634	79.457	76.424	51.67	45.062	43.336	36.933	34.508	26.516
27	1/23/2022	114.059	111.705	127.907	118.779	125.125	119.05	109.107	99.387	109.258	93.212	102.233	110.835	106.023	103.125	95.503	104.337	110.07
28	1/24/2022	137.317	139.189	133.203	127.069	125.17	127.476	122.402	138.139	134.589	135.028	120.878	117.157	106.949	92.157	85.08	63.026	60.53
29	1/25/2022	113.646	118.458	112.088	113.059	109.433	103.678	91.27	68.656	56.295	56.405	45.85	39.013	30.8	33.434	31.067	45.431	45.804
30	1/26/2022	164.562	153.216	162.585	142.648	130.335	111.532	101.963	98.138	87.848	71.659	74.589	52.819	48.311	44.246	44.122	37.866	34.655
31	1/27/2022	162.167	149.21	140.187	134.897	136.844	118.312	116.254	98.756	81.571	67.383	65.941	60.313	57.336	56.392	63.087	61.386	58.38
32	1/28/2022	115.389	119.095	126.01	125.702	124.647	122.576	121.366	117.987	128.785	122.36	123.195	117.845	119.369	116.341	117.525	118.581	124.602
33	1/29/2022	149.411	149.732	164.118	166.601	160.575	157.737	168.179	145.905	139.537	138.54	141.554	124.801	119.921	129.786	120.406	114.897	114.471
34	1/30/2022	121.591	129.735	135.809	138.13	126.479	132.67	130.073	113.583	105.423	99.471	90.802	82.624	84.699	79.644	77.324	66.39	63.694
35	1/31/2022	124.271	123.209	126.758	102.371	94.924	89.16	80.882	70.358	59.474	50.094	39.433	37.088	30.734	27.478	25.414	23.296	24.545
36	2/1/2022	121.825	115.412	115.315	102.303	88.116	78.334	62.07	55.067	53.482	37.431	32.075	30.567	26.24	28.48	23.108	27.851	24.646
37	2/2/2022	99.987	92.226	96.854	101.185	94.815	96.162	88.924	91.277	83.836	82.499	78.17	77.793	75.164	80.193	72.626	77.09	80.519
38	2/3/2022	108.767	112.691	113.774	119.099	124.786	122.068	124.119	127.922	136.729	128.646	134.832	130.476	125.471	130.35	136.005	127.274	134.367
39	2/4/2022	128.517	134.637	134.94	130.315	133.798	152.462	134.072	144.572	139.983	132.819	142.999	137.037	134.566	132.787	131.866	119.875	130.241
40	2/5/2022	127.919	142.986	141.168	142.017	153.891	147.353	149.534	136.176	137.634	145.664	129.997	125.554	147.598	137.219	130.785	129.259	131.713
41	2/6/2022	146.94	132.577	138.338	138.557	143.991	133.481	135.903	130.594	124.182	126.677	115.963	109.081	107.607	99.469	116.956	91.993	91.026
42	2/7/2022	119.29	110.022	113.779	110.218	98.789	96.532	87.795	78.751	72.361	57.677	62.522	57.217	56.54	52.937	48.22	43.301	42.628
43	2/8/2022	130.284	131.42	135.455	124.68	119.327	113.489	100.608	97.724	84.957	76.472	68.521	67.878	66.564	50.205	50.663	42.388	39.924
44	2/9/2022	103.338	111.36	115.713	111.155	98.772	97.012	87.852	75.208	75.543	64.398	49.047	29.814	24.425	22.237	15.651	19.903	20.731
45	2/10/2022	124.385	111.348	99.04	81.61	77.121	57.956	54.387	45.014	40.246	30.878	30.864	22.162	18.717	19.811	19.359	20.394	15.761
46	2/11/2022	109.032	104.174	104.849	96.374	87.561	72.109	59.629	57.036	58.54	40.518	32.045	29.642	32.196	38.009	47.755	43.143	45.958
47	2/12/2022	105.894	106.5	112.738	110.229	108.851	105.8	92.319	90.249	83.059	87.722	95.396	84.804	81.189	83.379	80.721	79.787	84.574

	B	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
3																		
4	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545	D_1600
5	1/1/2022	79.429	77.003	73.448	79.583	80.649	78.084	74.967	76.821	79.796	80.176	81.194	77.905	76.681	84.455	84.779	88.308	86.107
6	1/2/2022	94.443	83.492	93.914	83.756	89.449	88.14	93.835	85.032	85.333	95.649	95.362	85.382	99.139	108.228	110.53	116.338	124.309
7	1/3/2022	25.487	31.67	28.18	26.74	23.94	19.579	25.692	26.683	30.54	26.507	28.711	33.966	31.357	33.137	32.944	40.087	51.18
8	1/4/2022	20.615	22.197	18.761	21.359	16.906	19.33	19.762	19.972	20.556	24.327	23.383	26.915	28.881	32.2	35.087	46.774	44.946
9	1/5/2022	19.719	24.526	23.197	22.267	21.94	24.37	20.377	20.418	23.1	22.444	22.304	26.237	24.398	24.132	27.615	35.813	44.953
10	1/6/2022	92.692	83.044	80.49	77.703	85.353	82.183	88.475	99.827	104.06	102.713	101.794	109.991	115.908	111.094	121.265	132.917	130.59
11	1/7/2022	124.352	128.294	117.91	125.13	117.232	119.164	126.147	124.526	124.521	119.281	120.768	121.794	115.406	122.618	127.289	123.485	130.798
12	1/8/2022	69.376	75.816	57.425	53.42	49.602	40.129	46.426	50.224	56.963	62.257	72.437	65.246	71.706	69.042	73.349	83.954	107.614
13	1/9/2022	95.95	91.835	92.149	110.3	103.741	98.266	92.102	67.999	58.417	56.537	54.844	60.342	54.724	64.22	73.084	81.491	81.269
14	1/10/2022	53.097	46.71	45	39.212	33.022	36.489	37.625	46.674	42.61	28.315	33.297	39.59	41.834	39.624	44.175	51.85	54.635
15	1/11/2022	30.143	31.336	24.215	25.7	26.52	23.223	25.485	25.027	20.998	21.843	23.846	25.177	28.029	34.837	34.94	39.387	46.813
16	1/12/2022	28.562	26.662	27.542	26.163	25.571	35.004	37.447	35.438	32.233	30.439	41.51	27.181	26.435	35.938	45.262	43.971	56.619
17	1/13/2022	43.765	46.78	47.499	40.926	39.854	44.548	42.868	30.095	31.282	35.76	30.835	36.419	39.805	48.849	55.856	66.671	71.908
18	1/14/2022	80.379	77.982	77.169	82.837	75.617	83.278	65.148	72.975	73.656	80.383	75.718	80.169	80.061	81.767	81.338	93.422	98.136
19	1/15/2022	81.475	81.481	80.937	77.322	58.751	57.669	59.82	43.692	31.407	34.744	40.274	42.52	41.764	44.769	52.376	59.969	60.061
20	1/16/2022	83.927	89.129	97.521	99.754	112.996	112.378	112.034	101.605	102.604	101.552	98.453	105.763	102.498	95.968	90.89	101.076	107.692
21	1/17/2022	137.925	124.247	127.949	128.398	122.201	124.658	129.618	130.764	127.678	134.646	125.885	125.959	120.295	126.684	134.641	132.088	133.557
22	1/18/2022	58.703	61.03	59.858	68.216	70.58	60.136	55.345	42.804	36.198	42.455	42.961	42.471	50.369	56.555	59.254	56.037	49.459
23	1/19/2022	24.569	22.675	25.087	38.484	37.53	33.99	29.773	33.361	42.002	49.332	65.077	66.936	74.649	62.895	54.649	60.108	63.336
24	1/20/2022	26.942	26.065	26.921	27.459	29.532	25.188	29.954	30.359	32.008	28.954	34.125	35.982	35.759	35.886	40.275	45.424	54.81
25	1/21/2022	46.476	45.652	46.503	36.698	30.65	32.484	23.529	27.207	28.176	30.219	26.694	27.925	26.828	28.358	31.731	39.293	50.731
26	1/22/2022	25.96	32.527	31.987	23.437	26.924	22.868	26.446	31.493	35.291	29.517	31.189	38.739	34.868	44.449	68.896	79.51	82.264
27	1/23/2022	106.096	100.385	95.196	90.073	94.599	81.552	78.234	61.849	74.343	85.172	109.701	121.545	119.48	111.568	96.527	92.862	94.937
28	1/24/2022	58.188	58.838	53.112	54.677	53.549	48.236	47.033	58.505	68.574	78.286	89.537	86.131	86.863	96.61	95.908	96.661	110.243
29	1/25/2022	41.807	43.293	39.542	45.523	40.337	39.423	42.88	41.706	38.61	44.351	45.551	49.309	46.038	41.86	49.347	56.286	54.118
30	1/26/2022	34.816	32.897	40.256	31.149	30.867	31.95	29.427	25.366	25.135	30.543	29.184	30.921	31.97	30.273	34.839	40.854	53.226
31	1/27/2022	51.097	52.085	52.899	63.923	76.447	75.752	70.967	62.996	63.508	54.487	49.675	53.266	78.14	82.464	82.453	80.381	85.489
32	1/28/2022	117.632	122.084	111.173	111.502	123.347	121.55	122.548	115.318	117.534	115.186	120.017	118.795	116.661	114.612	114.662	123.866	127.041
33	1/29/2022	118.424	114.285	111.135	102.08	104.264	104.329	107.009	104.52	101.823	95.322	96.985	93.464	94.74	95.387	102.733	105.623	114.781
34	1/30/2022	60.47	56.905	54.333	50.596	50.441	44.52	41.864	41.026	39.882	41.907	42.005	39.785	35.151	30.884	31.021	31.713	33.191
35	1/31/2022	21.223	19.689	19.321	21.968	22.86	21.005	16.707	23.983	19.686	20.604	20.459	20.575	29.183	33.665	31.908	33.23	39.496
36	2/1/2022	20.524	19.604	18.893	17.199	16.711	15.239	16.827	16.219	15.522	12.352	14.544	14.363	21.912	22.329	22.74	23.293	30.9
37	2/2/2022	74.06	78.955	85.808	84.328	85.521	85.206	90.864	87.511	83.731	81.176	84.42	78.707	75.844	87.36	86.824	88.722	100.64
38	2/3/2022	134.823	137.557	137.241	142.914	143.455	135.363	148.36	137.23	135.419	127.961	129.721	132.027	137.77	137.854	135.591	127.71	124.609
39	2/4/2022	122.545	128.921	130.694	124.902	133.896	123.617	130.791	123.026	124.356	129.458	132.734	128.493	119.258	120.801	128.662	130.239	119.933
40	2/5/2022	124.812	120.983	118.324	112.973	113.127	118.712	116.52	113.619	107.33	113.712	111.227	118.103	116.957	123.941	117.655	123.439	118.021
41	2/6/2022	86.799	91.2	80.436	73.508	72.969	74.813	67.223	68.831	67.72	72.096	62.471	66.496	59.441	59.376	67.002	65.409	67.723
42	2/7/2022	38.28	36.197	35.499	38.827	39.489	32.026	30.542	32.975	38.039	33.541	35.59	38.818	37.927	44.486	44.874	43.095	40.916
43	2/8/2022	39.048	37.693	28.423	28.066	26.49	30.458	23.801	22.465	23.1	23.407	23.854	27.629	23.277	29.785	29.22	25.954	36.158
44	2/9/2022	17.11	17.07	15.179	17.275	17.395	15.504	19.053	17.763	21.886	12.859	10.858	15.614	18.951	22.133	23.97	32.03	37.81
45	2/10/2022	15.395	16.431	14.605	16.976	14.282	12.504	12.179	13.27	15.234	12.47	14.093	11.131	13.278	14.9	16.552	28.531	29.909
46	2/11/2022	42.578	44.481	41.001	38.327	43.993	48.995	37.07	32.69	46.224	45.002	45.955	56.256	60.588	58.108	45.537	44.031	51.141
47	2/12/2022	88.792	98.527	87.67	82.91	78.472	77.9	82.231	80.51	82.621	75.37	83.063	85.056	81.702	82.992	82.801	85.338	97.375

	B	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV
3																
4	measurement date	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345	D_2400
5	1/1/2022	101.74	95.925	89.305	91.777	95.521	88.873	87.346	85.867	82.435	78.564	83.638	75.311	73.183	73.585	73.448
6	1/2/2022	143.267	143.919	141.535	141.373	135.131	125.077	128.68	124.35	121.53	123.923	112.433	113.015	110.166	99.625	101.676
7	1/3/2022	133.727	143.041	139.826	128.89	121.94	125.164	117.331	113.929	119.313	120.537	122.932	115.974	108.247	111.736	103.658
8	1/4/2022	130.204	125.831	127.723	125.969	127.381	122.956	121.545	115.35	114.689	107.546	105.114	103.877	104.288	97.305	93.711
9	1/5/2022	133.502	135.897	138.617	130.592	128.849	131.588	117.639	108.869	107.382	104.118	102.017	101.556	108.12	104.779	101.999
10	1/6/2022	140.304	138.841	135.064	142.235	132.056	130.399	133.196	138.785	137.97	140.901	131.648	125.925	130.805	125.184	122.9
11	1/7/2022	153.339	160.498	148.546	146.692	151.036	148.282	148.76	156.112	154.5	161.044	136.453	126.891	128.99	138.913	132.762
12	1/8/2022	134.348	125.829	120.575	121.37	125.591	114.003	115.403	117.589	109.805	116.822	117.32	112.508	110.189	116.35	109.421
13	1/9/2022	146.797	145.375	137.868	136.065	141.494	138.165	134.269	132.04	133.982	115.964	109.935	105.225	105.647	104.606	103.797
14	1/10/2022	151.568	148.865	152.1	152.666	145.848	147.997	137.001	126.099	128.346	125.418	122.41	121.711	125.911	116.354	112.506
15	1/11/2022	145.948	141.147	143.906	135.638	133.28	133.39	129.79	121.797	118.61	119.056	111.313	109.986	109.231	103.29	103.25
16	1/12/2022	133.796	128.313	118.726	120.797	121.599	120.949	112.928	107.199	109.979	109.588	101.421	92.331	98.77	95.737	92.967
17	1/13/2022	119.374	121.808	112.48	112.753	102.591	101.813	106.778	105.154	98.684	94.924	92.907	94.331	88.398	87.083	86.715
18	1/14/2022	134.032	127.259	123.186	116.658	125.295	122.511	106.971	111.823	113.037	112.372	108.904	102.906	105.053	99.735	95.36
19	1/15/2022	125.9	127.425	128.889	127.385	123.732	125.48	130.196	118.526	118.225	117.999	113.469	114.869	112.071	107.854	98.238
20	1/16/2022	134.244	135.901	125.89	125.566	129.561	126.144	122.12	118.086	121.757	111.825	118.56	115.138	111.159	108.517	104.527
21	1/17/2022	133.767	138.941	145.451	138.851	133.767	127.778	125.093	129.236	116.596	112.875	115.113	123.221	111.674	102.932	100.583
22	1/18/2022	137.803	137.061	136.919	129.14	123.058	127.592	114.336	118.41	123.177	113.536	116.057	113.731	101.74	100.027	101.253
23	1/19/2022	118.912	118.782	126.511	122.036	118.688	112.53	120.093	113.168	105.879	107.689	100.888	104.416	98.947	95.777	96.807
24	1/20/2022	151.374	145.766	144.118	141.235	143.354	127.885	125.536	130.534	129.925	133.124	123.138	128.699	130.435	116.299	112.693
25	1/21/2022	153.407	152.86	155.637	151.635	138.578	138.568	138.79	142.867	136.399	146.63	126.946	123.981	127.694	136.544	123.348
26	1/22/2022	134.699	138.859	140.581	140.841	134.246	133.762	124.334	122.66	118.798	120.924	119.408	107.955	108.818	105.461	105.608
27	1/23/2022	147.614	151.805	156.849	148.027	149.888	143.389	132.164	133.455	142.758	132.073	129.89	117.004	116.006	116.149	107.848
28	1/24/2022	133.769	125.806	125.629	132.714	132.146	130.176	117.982	114.192	112.239	103.522	101.025	103.28	103.033	94.949	97.247
29	1/25/2022	139.571	134.73	135.574	136.111	127.934	125.707	127.474	133.097	130.673	132.078	127.574	127.285	116.043	105.409	112.823
30	1/26/2022	167.629	168.491	164.476	160.257	152.8	153.257	157.161	143.521	143.414	136.737	149.429	136.364	127.093	132.636	130.71
31	1/27/2022	144.303	144.57	141.086	136.606	128.815	131.224	124.461	124.34	128.441	117.101	113.721	102.342	101.883	100.046	94.588
32	1/28/2022	156.634	144.576	138.086	147.474	149.501	145.985	147.576	147.514	143.922	148.034	136.173	133.887	121.277	121.467	131.596
33	1/29/2022	140.298	150.212	152.567	138.064	136.839	139.618	142.305	138.994	134.833	137.368	122.707	126.911	129.614	124.286	126.319
34	1/30/2022	138.067	135.256	130.516	130.904	125.815	130.093	127.043	128.234	114.564	112.679	105.907	110.682	101.352	101.572	106.763
35	1/31/2022	132.556	133.894	126.778	120.187	119.432	126.08	121.045	115.73	109.236	103.466	110.446	106.827	104.457	102.536	106.002
36	2/1/2022	116.268	115.418	111.864	112.007	117.955	111.538	110.07	96.069	97.778	92.643	92.378	89.815	88.294	79.317	76.8
37	2/2/2022	116.214	111.603	113.161	108.725	109.607	109.833	111.856	115.972	110.65	99.521	95.841	99.206	94.161	97.766	92.926
38	2/3/2022	142.086	148.655	132.823	143.428	137.341	142.3	133.223	137.955	139.28	134.937	129.893	117.98	114.821	113.564	115.925
39	2/4/2022	137.902	147.909	139.599	136.443	141.756	141.091	130.454	127.14	127.02	116.966	118.423	125.082	105.124	111.904	120.915
40	2/5/2022	147.155	148.065	137.912	140.581	148.771	145.524	146.663	146.858	132.426	138.332	141.589	136.916	126.846	132.255	134.36
41	2/6/2022	140.847	138.416	140.557	132.844	133.664	133.165	137.69	121.942	121.558	112.091	109.006	109.896	101.128	109.989	104.766
42	2/7/2022	133.663	136.856	129.454	127.302	130.887	131.133	133.028	128.401	130.057	133.718	119.214	113.36	105.029	108.946	101.754
43	2/8/2022	121.999	125.455	131.039	125.155	117.703	116.204	112.713	102.909	106.591	110.146	111.897	101.56	102.695	95.413	93.929
44	2/9/2022	114.822	113.197	129.112	115.234	112.873	111.518	107.33	108.874	110.817	103.384	101.895	99.729	100.25	101.347	96.208
45	2/10/2022	116.38	120.09	119.883	119.332	117.102	113.178	111.807	121.624	122.6	113.65	111.858	105.257	105.706	102.517	103.701
46	2/11/2022	103.007	105.574	96.446	100.702	97.814	98.48	100.551	100.49	103.596	98.408	87.799	89.137	88.973	82.979	86.953
47	2/12/2022	133.098	135.325	137.607	126.73	128.432	124.33	135.988	127.745	119.6	120.969	115.072	119.168	113.021	115.014	112.037

	B	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
3	Delivered																								
4	measurement date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
5	1/1/2022	262	246	231	217	210	206	218	239	242	256	290	300	311	310	316	344	362	394	400	415	390	364	331	296
6	1/2/2022	278	269	247	245	271	285	300	340	373	387	352	356	351	352	376	459	500	580	596	581	579	530	482	424
7	1/3/2022	385	383	364	368	372	400	455	497	451	287	158	117	111	102	121	157	330	484	515	554	554	493	477	440
8	1/4/2022	404	403	396	387	415	433	519	530	439	265	159	93	79	80	104	159	268	459	479	509	508	498	443	399
9	1/5/2022	360	336	343	340	352	400	448	453	432	224	131	81	92	88	95	133	269	474	502	527	542	509	422	416
10	1/6/2022	392	395	404	407	407	441	496	491	468	391	341	341	327	375	430	496	564	625	590	579	564	538	549	505
11	1/7/2022	481	473	484	479	477	525	554	543	610	593	543	508	489	494	477	504	516	615	664	643	623	595	608	528
12	1/8/2022	529	528	520	514	506	511	553	584	603	535	424	315	236	194	272	334	456	545	566	549	515	476	462	448
13	1/9/2022	397	372	338	353	343	359	390	382	432	389	426	413	398	317	226	300	419	527	545	585	574	550	492	419
14	1/10/2022	412	389	385	395	424	454	517	554	461	401	314	163	164	163	143	190	304	478	561	607	604	584	502	476
15	1/11/2022	441	420	437	451	474	501	569	597	511	310	203	133	108	95	99	156	283	485	548	565	571	532	471	426
16	1/12/2022	383	381	388	389	385	408	470	466	426	231	139	106	106	140	126	182	278	431	471	470	506	476	428	380
17	1/13/2022	376	341	347	339	336	384	423	452	407	203	133	159	175	149	143	243	320	416	465	488	466	424	392	357
18	1/14/2022	347	331	334	343	362	382	427	463	437	372	350	317	314	295	316	355	451	491	540	516	511	471	446	403
19	1/15/2022	402	357	355	372	349	362	393	404	439	340	348	342	298	193	159	217	335	446	530	492	501	507	468	433
20	1/16/2022	405	414	406	389	416	413	424	445	450	324	262	279	399	429	408	396	473	545	550	583	532	503	470	439
21	1/17/2022	408	396	407	413	386	414	441	459	483	518	509	527	503	513	507	527	520	567	612	627	560	525	474	438
22	1/18/2022	395	389	387	385	390	429	484	488	467	427	346	264	260	194	178	221	288	506	553	548	549	494	471	417
23	1/19/2022	380	378	364	368	356	386	444	436	402	232	117	103	124	139	256	241	337	435	466	483	488	473	428	396
24	1/20/2022	356	380	381	390	424	453	523	521	439	266	161	112	110	118	135	176	343	475	558	567	585	538	517	488
25	1/21/2022	443	440	427	439	441	478	533	535	491	308	221	209	160	111	112	150	281	513	554	569	612	568	553	512
26	1/22/2022	511	486	503	505	506	539	545	599	554	359	216	124	115	116	134	275	339	451	538	522	555	533	482	428
27	1/23/2022	431	413	412	414	402	438	445	444	491	411	422	416	380	296	436	396	492	578	588	594	613	573	538	457
28	1/24/2022	455	458	435	453	434	485	542	550	513	530	437	267	220	222	341	399	466	524	541	555	524	513	431	399
29	1/25/2022	377	368	369	357	387	417	496	473	438	273	149	164	169	163	185	202	306	444	532	539	544	517	523	462
30	1/26/2022	466	462	470	471	497	549	617	643	547	360	220	151	135	112	123	159	289	479	608	588	663	623	573	527
31	1/27/2022	514	510	491	515	526	566	629	632	530	364	240	234	245	273	236	331	397	518	551	536	571	521	484	399
32	1/28/2022	390	387	375	388	374	429	464	473	499	490	477	478	468	477	471	480	527	569	576	605	594	591	576	508
33	1/29/2022	509	484	478	486	478	488	557	591	649	592	516	468	432	418	381	419	484	520	577	548	577	557	534	507
34	1/30/2022	492	471	459	456	469	431	464	497	533	449	338	268	212	167	159	127	223	368	485	563	547	514	461	420
35	1/31/2022	383	365	370	370	384	413	504	501	413	261	135	94	84	81	91	138	232	390	490	493	526	487	439	420
36	2/1/2022	368	378	354	364	364	403	478	474	384	208	117	96	72	64	63	99	148	309	400	445	462	452	379	334
37	2/2/2022	299	298	289	277	303	346	407	404	389	347	311	304	335	347	320	364	416	447	470	478	455	440	422	384
38	2/3/2022	354	343	347	338	346	384	430	437	480	517	521	532	561	556	527	526	548	584	592	565	571	556	542	462
39	2/4/2022	425	413	400	427	441	455	459	512	552	551	547	505	518	502	510	500	551	578	581	574	566	550	490	463
40	2/5/2022	451	460	448	446	450	449	480	518	584	569	540	517	465	456	460	483	492	522	555	613	589	582	559	530
41	2/6/2022	489	503	459	483	467	488	505	546	554	517	432	387	318	279	261	260	327	461	528	567	571	537	465	426
42	2/7/2022	373	376	376	387	398	457	472	459	419	297	229	172	150	134	146	173	234	374	499	529	532	522	511	429
43	2/8/2022	404	402	417	408	429	499	549	555	493	360	253	172	121	100	98	121	197	337	448	468	496	472	432	394
44	2/9/2022	355	345	343	353	352	382	456	435	423	303	126	73	67	74	58	116	163	363	416	437	473	447	425	398
45	2/10/2022	353	343	332	330	346	373	440	462	316	171	92	71	62	53	51	90	168	273	427	464	478	461	470	417
46	2/11/2022	391	360	375	366	362	397	447	452	361	216	132	179	168	165	208	199	278	390	420	429	412	398	390	348
47	2/12/2022	347	334	320	335	334	356	375	413	438	353	345	334	348	323	325	349	412	469	503	540	539	515	483	459

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
4	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330
48	2/13/2022	2	7	103.688	107.931	103.184	98.746	104.471	109.862	104.808	99.639	106.694	105.359	101.555	105.58	102.74	97.795
49	2/14/2022	2	1	120.384	120.608	115.365	122.771	120.826	109.576	114.025	108.013	113.037	121.751	116.358	120.622	124.75	111.125
50	2/15/2022	2	2	108.851	102.328	104.188	99.332	108.29	104.577	103.96	101.615	105.941	103.562	106.655	112.86	113.13	105.542
51	2/16/2022	2	3	86.504	84.632	84.485	87.455	78.258	81.913	79.44	76.508	86.893	80.634	85.064	77.73	80.781	80.76
52	2/17/2022	2	4	62.892	59.433	62.747	60.698	61.253	58.848	63.273	61.72	57.5	58.736	56.525	61.83	57.731	61.903
53	2/18/2022	2	5	91.648	94.212	90.875	85.144	80.756	82.346	82.252	85.365	87.505	86.44	89.053	85.294	84.518	92.167
54	2/19/2022	2	6	102.394	103.096	97.618	97.238	97.71	94.44	88.49	91.137	89.682	93.412	91.267	92.459	96.721	93.45
55	2/20/2022	2	7	106.522	99.423	100.955	105.17	108.14	99.532	104.854	103.385	104.071	102.828	106.072	102.705	109.304	100.486
56	2/21/2022	2	1	84.437	78.443	79.958	75.592	76.485	76.7	78.143	77.704	78.495	78.701	78.055	73.809	79.997	74.291
57	2/22/2022	2	2	68.847	68.832	63.874	60.934	58.978	56.549	58.875	59.908	61.795	56.508	58.426	56.95	60.99	58.786
58	2/23/2022	2	3	61.693	59.445	60.393	65.174	65.77	63.142	62.638	62.8	62.205	60.307	64.238	65.287	65.66	67.109
59	2/24/2022	2	4	103.451	93.938	95.318	94.6	92.218	90.903	94.552	92.237	89.344	89.612	88.007	92.523	90.08	84.215
60	2/25/2022	2	5	103.518	93.529	97.508	89.881	90.003	96.169	87.493	90.07	81.881	84.339	84.54	90.724	87.061	89.554
61	2/26/2022	2	6	106.111	101.433	99.33	100.657	97.799	95.551	97.109	98.222	98.998	97.04	104.241	92.426	94.243	91.207
62	2/27/2022	2	7	99.381	101.371	98.213	96.441	92.481	91.873	98.078	99.658	94.882	87.322	93.722	96.327	94.181	93.717
63	2/28/2022	2	1	94.378	92.401	85.607	90.761	88.743	84.473	90.828	86.848	95.284	86.831	88.945	80.05	86.408	87.536
64	3/1/2022	3	2	90.183	83.991	78.881	81.171	78.979	82.396	88.479	78.715	77.418	79.242	84.172	78.85	77.95	78.33
65	3/2/2022	3	3	68.699	69.887	60.842	60.225	62.897	59.734	61.853	60.113	59.207	58.519	57.154	59.705	58.154	59.429
66	3/3/2022	3	4	63.319	65.318	59.406	52.729	55.091	52.403	51.987	48.427	50.49	51.661	48.439	51.749	50.524	52.328
67	3/4/2022	3	5	96.874	84.29	88.103	83.697	89.642	84.905	84.782	89.611	79.175	80.081	79.264	87.058	85.443	85.561
68	3/5/2022	3	6	74.586	76.141	75.286	71.791	75.458	72.933	72.312	71.485	73.903	70.523	67.679	64.84	72.74	73.418
69	3/6/2022	3	7	54.778	56.442	58.512	51.121	56.034	52.754	50.984	49.277	49.319	50.633	47.841	46.222	47.429	47.097
70	3/7/2022	3	1	54.47	54.394	53.485	53.52	55.413	54.115	53.856	52.868	49.605	47.373	44.791	47.166	48.305	46.28
71	3/8/2022	3	2	77.009	81.98	78.621	79.629	79.199	78.347	75.747	76.181	73.91	74.355	77.904	73.072	74.99	77.112
72	3/9/2022	3	3	82.269	81.232	77.861	83.49	79.323	76.774	76.685	80.649	78.491	79.984	79.437	81.043	85.347	79.126
73	3/10/2022	3	4	87.106	86.003	80.335	76.355	81.768	77.51	81.696	79.874	87.756	80.75	81.508	80.809	80.538	84.136
74	3/11/2022	3	5	83.689	79.349	76.735	77.853	80.295	77.223	78.222	76.664	76.388	84.565	78.594	76.904	78.818	84.863
75	3/12/2022	3	6	95.113	98.105	99.667	97.189	98.959	92.608	96.613	93.832	97.514	93.195	91.849	91.716	93.004	98.401
76	3/13/2022	3	7	104.423	105.957	99.761	108.149	104.489	106.606	110.801	103.053	0	0	0	0	111.157	114.938
77	3/14/2022	3	1	83.766	92.069	83.366	80.777	75.665	76.104	71.203	76.977	76.973	78.159	74.883	72.928	81.257	71.464
78	3/15/2022	3	2	65.261	64.61	67.446	62.625	65.527	59.027	58.848	60.55	62.821	66.742	62.375	59.02	59.691	59.862
79	3/16/2022	3	3	61.565	66.256	65.639	61.103	57.218	54.492	54.099	51.79	57.496	54.445	50.733	49.472	56.291	54.179
80	3/17/2022	3	4	57.141	56.531	54.925	54.636	54.262	52.026	55.756	51.966	52.076	56.853	52.464	54.29	51.937	51.312
81	3/18/2022	3	5	58.672	55.184	54.256	57.901	53.412	52.888	51.184	55.377	53.99	51.399	52.809	47.447	48.521	48.046
82	3/19/2022	3	6	58.451	53.603	50.826	49.107	53.89	52.171	50.236	49.475	49.836	50.619	46.831	45.503	46.465	47.16
83	3/20/2022	3	7	77.936	82.505	85.39	77.613	77.044	73.847	79.239	78.626	72.515	68.325	68.265	67.791	71.568	67.135
84	3/21/2022	3	1	61.969	66.817	61.624	63.825	67.806	63.24	64.08	60.634	62.52	57.444	56.763	57.068	55.239	62.665
85	3/22/2022	3	2	60.074	58.146	59.133	57.106	53.017	49.944	52.654	54.141	53.927	52.441	50.037	51.406	51.101	48.892
86	3/23/2022	3	3	58.953	58.095	55.014	55.202	54.217	49.622	51.145	54.054	51.862	51.551	49.453	52.923	50.709	50.647
87	3/24/2022	3	4	61.818	61.913	61.171	58.301	63.187	58.299	62.094	61.898	64.654	61.549	58.522	57.396	64.016	59.453
88	3/25/2022	3	5	65.733	66.441	66.021	65.159	72.455	69.952	69.768	66.452	70.732	68.702	70.484	69.224	73.083	70.744
89	3/26/2022	3	6	87.354	81.887	75.888	73.267	72.647	76.75	71.799	70.687	74.496	74.394	75.476	74.481	77.246	77.755
90	3/27/2022	3	7	89.342	83.862	89.392	90.613	92.85	88.947	87.062	94.717	92.465	86.07	88.632	92.274	94.9	89.566
91	3/28/2022	3	1	91.075	86.993	84.394	84.339	81.663	75.24	81.37	82.288	83.301	79.086	82.936	82.56	84.89	84.759

	B	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
4	measurement date	D_0345	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730
48	2/13/2022	102.347	109.324	111.557	103.138	107.243	105.131	117.896	113.873	112.624	104.142	107.975	117.101	116.955	119.554	121.015	123.489
49	2/14/2022	113.895	122.531	110.654	117.346	114.705	112.372	125.935	120.449	121.36	133.329	125.348	130.555	127.696	135.954	136.097	141.829
50	2/15/2022	107.75	111.032	110.581	109.893	119.982	109.316	117.109	116.331	117.323	123.134	139	138.635	135.455	138.056	143.298	148.073
51	2/16/2022	72.932	80.44	75.85	79.839	79.742	78.743	81.321	88.212	91.238	93.671	112.455	106.072	101.289	99.691	101.362	107.966
52	2/17/2022	57.951	58.197	62.04	57.225	57.129	55.091	60.331	64.576	68.842	68.022	80.231	84.381	85.18	87.348	79.557	84.323
53	2/18/2022	96.545	92.501	92.468	88.386	87.306	85.17	90.352	98.302	96.955	106.368	104.688	106.278	105.136	107.179	114.763	120.365
54	2/19/2022	91.168	96.764	93.029	92.862	96.025	96.804	98.516	99.305	100.738	96.341	96.079	98.131	101.742	101.898	104.216	107.879
55	2/20/2022	103.583	98.532	108.011	102.17	98.238	102.725	104.621	103.158	109.965	103.222	108.258	113.078	103.78	109.705	116.762	116.928
56	2/21/2022	78.957	79.608	80.643	84.863	81.165	76.787	83.847	84.805	83.8	85.392	94.077	92.132	94.887	102.924	107.15	104.134
57	2/22/2022	52.769	60.582	57.864	62.164	53.894	55.72	58.587	61.358	73.303	72.41	83.805	89.791	85.574	81.553	79.213	83.609
58	2/23/2022	67.444	70.082	72.881	69.287	73.28	72.326	82.187	85.154	87.83	87.532	101.177	101.627	95.01	108.993	102.03	105.062
59	2/24/2022	90.449	90.218	91.135	87.739	89.798	87.532	93.357	97.062	94.416	113.057	116.502	119.316	115.508	120.28	127.662	113.807
60	2/25/2022	82.532	86.497	89.654	92.489	90.871	94.551	102.936	101.271	99.661	99.515	109.085	112.629	116.992	118.393	124.06	112.798
61	2/26/2022	95.436	96.437	89.492	98.975	95.119	94.689	96.453	94.218	94.124	97.154	93.904	104.785	105.995	108.016	106.99	110.662
62	2/27/2022	96.832	102.004	96.573	95.137	103.021	95.03	104.042	97.206	102.111	100.99	99.435	112.283	106.857	111.664	108.813	111.285
63	2/28/2022	90.836	83.369	91.832	84.232	88.634	89.721	91.676	95.841	101.373	113.975	116.257	114.778	113.459	115.204	120.009	116.202
64	3/1/2022	75.981	79.586	85.289	82.577	77.93	81.214	78.602	85.977	90.1	94.88	102.375	101.214	100.166	102.079	105.995	104.956
65	3/2/2022	59.732	65.336	66.163	58.862	63.229	66.29	70.952	73.015	76.514	80.269	81.881	92.624	88.821	90.709	92.741	90.939
66	3/3/2022	55.346	53.878	52.126	54.458	55.472	53.468	56.541	61.77	64.452	65.631	69.294	86.278	85.541	83.638	87.628	83.145
67	3/4/2022	87.816	83.295	79.822	82.328	83.083	86.941	86.231	92.889	100.438	100.616	102.839	106.163	108.189	107.549	110.531	98.144
68	3/5/2022	68.865	70.777	70.565	75.215	67.841	69.069	72.238	75.812	68.982	72.405	77.945	81.448	84.389	82.291	89.689	84.428
69	3/6/2022	48.801	48.383	46.288	47.939	47.609	46.021	43.901	44.286	45.999	46.754	46.977	51.884	50.562	53.855	58.464	61.891
70	3/7/2022	44.906	44.909	47.09	47.519	46.349	49.809	50.757	54.114	55.726	54.298	57.46	61.857	63.717	71.678	76.757	75.818
71	3/8/2022	71.712	75.921	75.657	75.886	80.245	80.599	80.304	82.993	90.858	98.56	107.037	100.661	98.186	101.472	99.816	95.288
72	3/9/2022	73.966	78.22	79.03	84.462	83.662	79.093	91.724	92.907	92.166	95.787	101.918	111.485	107.353	109.747	112.908	102.773
73	3/10/2022	81.973	77.774	82.733	88.813	83.8	85.324	87.63	85.093	95.874	103.08	113.019	113.697	109.617	112.821	111.052	89.734
74	3/11/2022	76.317	79.431	75.471	76.361	78.837	84.166	83.612	85.97	96.088	100.064	108.624	109.724	110.81	109.703	106.573	86.592
75	3/12/2022	93.824	93.358	93.794	97.867	100.152	101.488	107.604	99.187	98.743	98.826	101.772	107.216	106	109.82	112.799	116.547
76	3/13/2022	110.66	111.593	101.562	99.188	104.855	111.687	104.715	111.291	110.241	108.047	101.898	103.705	112.216	110.673	102.156	107.674
77	3/14/2022	76.619	76.177	74.451	76.9	79.976	83.207	85.15	84.954	87.65	91.588	107.539	113.134	106.061	108.837	109.847	104.292
78	3/15/2022	62.453	59.803	57.955	61.181	59.945	62.174	64.473	66.107	70.166	77.562	83.587	85.301	87.52	89.801	88.323	88.595
79	3/16/2022	51.733	55.209	58.292	57.068	55.449	58.102	65.866	67.027	71.914	77.303	83.81	84.137	84.926	87.042	95.024	89.357
80	3/17/2022	51.523	51.194	52.858	51.863	51.037	52.348	53.672	56.3	63.957	64.618	77.95	80.128	73.717	78.772	82.421	89.183
81	3/18/2022	46.049	43.463	45.518	46.771	45.454	49.336	49.637	48.258	49.53	52.019	61.909	65.023	58.825	65.893	75.806	74.12
82	3/19/2022	44.175	42.814	48.681	45.428	46.407	48.151	46.441	48.696	45.272	46.98	47.897	53.394	48.57	49.109	60.012	59.469
83	3/20/2022	67.356	66.567	69.086	67.383	63.243	67.308	69.133	68.691	69.272	66.222	73.543	73.45	76.676	78.992	80.676	82.802
84	3/21/2022	60.208	60.843	63.132	62.002	59.137	61.766	66.148	72.198	74.051	73.081	76.392	82.629	80.239	86.665	95.578	95.039
85	3/22/2022	50.76	47.729	48.977	49.328	48.319	52.331	53.123	51.811	58.351	61.171	67.756	75.215	70.985	72.433	69.972	72.437
86	3/23/2022	49.759	50.834	51.068	45.01	48.511	50.852	52.829	51.768	56.697	56.982	64.561	67.637	68.555	73.39	71.134	78.236
87	3/24/2022	57.852	56.405	64.746	61.62	56.789	60.848	61.71	67.645	72.396	73.177	83.925	83.396	76.792	84.145	87.559	86.89
88	3/25/2022	72.506	67.895	64.601	68.539	71.624	75.285	74.677	79.044	80.35	80.776	89.225	91.57	85.467	93.01	98.563	90.499
89	3/26/2022	85.027	81.069	76.862	81.708	78.123	83.346	79.863	82.196	74.954	84.343	78.931	79.98	79.42	84.513	90.054	98.773
90	3/27/2022	86.907	86.654	85.105	81.903	88.945	92.254	91.425	89.784	87.057	87.184	90.315	92.179	97.27	90.941	92.192	88.089
91	3/28/2022	92.548	87.43	87.502	88.383	89.992	85.606	83.897	95.333	95.235	97.456	109.521	108.531	116.899	129.629	125.374	110.915

	B	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY
4	measurement date	D_0745	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
48	2/13/2022	122.02	122.966	134.52	131.953	108.29	107.335	99.681	86.317	72.021	57.028	57.343	56.142	55.253	54.673	52.087	46.695	28.085
49	2/14/2022	144.483	134.355	137.049	131.647	123.856	117.436	120.945	109.71	108.764	103.333	95.43	88.398	74.936	69.536	64.582	53.372	56.777
50	2/15/2022	125.104	119.374	118.641	94.088	79.468	70.41	58.359	61.047	49.402	39.954	40.219	31.163	28.324	26.12	18.476	20.198	20.413
51	2/16/2022	94.64	88.323	86.193	77.876	75.71	57.566	52.996	48.814	42.438	29.622	26.156	23.601	17.85	18.333	19.582	19.077	17.123
52	2/17/2022	74.214	74.972	81.102	80.754	87.425	85.354	78.639	79.65	68.18	48.13	50.766	47.504	51.43	52.73	56.605	62.038	60.709
53	2/18/2022	114.631	110.071	108.061	91.436	85.656	83.287	79.727	67.478	62.225	55.381	50.475	42.175	33.611	38.792	35.979	44.268	43.057
54	2/19/2022	107.367	96.676	96.709	90.755	83.761	65.015	58.906	44.193	45.478	38.452	39.335	30.041	23.792	23.303	22.893	21.441	29.836
55	2/20/2022	114.137	105.587	105.145	91.098	87.256	79.978	68.037	50.084	38.523	35.084	38.132	36.062	33.984	28.499	23.413	25.167	23.072
56	2/21/2022	99.308	93.961	82.124	67.269	59.397	44.107	36.896	29.499	34.266	28.168	22.647	18.506	18.695	22.389	18.934	18.892	20.05
57	2/22/2022	77.346	79.976	76.573	80.191	76.945	76.614	73.041	64.633	69.543	72.354	75.603	75.825	72.953	78.657	74.794	68.437	65.234
58	2/23/2022	105.494	112.187	105.505	100.803	98.812	90.024	86.875	89.081	80.273	72.695	71.285	73.209	63.589	61.543	58.553	65.329	64.412
59	2/24/2022	114.683	107.568	113.01	102.883	104.87	93.272	80.839	69.169	71.351	61.235	61.928	66.184	58.849	47.052	37.994	36.107	44.383
60	2/25/2022	107.448	106.789	112.629	112.406	110.473	110.345	107.173	102.362	95.119	88.819	82.351	74.436	76.608	77.066	81.045	86.728	84.988
61	2/26/2022	113.609	106.178	102.454	105.096	104.471	106.899	95.633	88.049	80.857	71.192	67.03	55.253	60.013	65.82	58.007	55.63	51.839
62	2/27/2022	105.562	95.168	96.021	80.204	74.402	58.619	52.573	51.471	37.119	38.285	36.65	35.353	36.302	34.786	25.885	17.317	19.038
63	2/28/2022	109.494	87.275	84.419	68.188	60.108	49.39	47.37	38.683	31.675	23.95	19.438	18.092	17.23	11.875	13.14	11.847	10.571
64	3/1/2022	110.158	97.753	91.602	87.51	80.586	67.228	55.841	57.275	50.902	42.921	30.045	22.954	19.554	11.579	11.628	12.704	7.988
65	3/2/2022	79.572	71.63	68.452	47.344	40.711	45.139	28.369	19.919	12.874	14.533	15.471	14	8.841	10.639	9.973	9.025	9.042
66	3/3/2022	83.912	79.363	66.723	65.615	59.819	55.613	47.271	46.878	47.578	49.159	55.053	45.605	43.096	42.295	41.807	45.653	40.027
67	3/4/2022	94.918	94.323	85.493	77.698	67.984	52.074	38.426	35.47	35.119	28.521	27.349	20.425	19.419	16.841	12.045	12.056	9.934
68	3/5/2022	83.612	83.108	77.018	58.098	51.905	42.256	30.2	30.307	24.018	19.111	22.163	19.679	17.952	16.847	9.901	8.561	10.998
69	3/6/2022	64.411	57.617	58.226	53.134	48.782	44.837	39.425	40.888	33.976	29.493	37.196	35.903	34.31	31.245	28.215	28.977	32.193
70	3/7/2022	76.66	72.317	68.752	62.627	56.401	57.615	67.824	68.291	60.728	57.132	53.803	32.941	38.37	42.377	36.333	37.272	43.38
71	3/8/2022	100.573	102.62	82.942	85.032	77.175	74.985	68.072	73.705	66.241	62.336	59.051	61.182	50.324	40.863	45.617	43.794	39.883
72	3/9/2022	98.397	94.579	99.548	99.65	82.255	75.721	68.417	80.168	60.792	41.069	38.07	39.823	41.593	37.172	34.211	35.572	44.312
73	3/10/2022	78.878	73.063	77.035	59.368	42.185	49.556	46.015	31.165	19.291	16.287	17.619	13.817	11.581	12.123	9.683	11.336	9.99
74	3/11/2022	77.539	69.713	66.95	61.19	49.837	37.342	31.451	22.928	20.86	16.064	14.428	14.632	9.759	9.532	9.239	11.464	7.8
75	3/12/2022	117.767	116.537	123.419	124.447	114.323	112.869	101.586	94.923	98.189	97.691	91.102	100.378	82.048	85.58	89.976	88.023	85.702
76	3/13/2022	119.989	124.79	125.435	119.274	122.021	120.243	125.066	126.828	135.909	115.785	113.283	92.82	57.972	37.058	32.508	33.687	33.487
77	3/14/2022	102.636	97.38	89.954	83.071	81.111	74.243	71.107	58.483	52.229	40.583	30.465	19.28	18.132	17.728	16.572	13.226	12.199
78	3/15/2022	89.766	86.579	91.99	84.698	74.056	79.014	70.373	71.543	62.356	58.908	51.762	40.362	33.131	31.613	17.711	13.296	24.807
79	3/16/2022	87.694	91.846	86.613	75.518	68.476	57.204	46.798	39.3	31.076	27.718	20.56	15.969	21.564	16.813	21.623	17.586	16.047
80	3/17/2022	84.647	75.284	73.456	64.697	57.124	45.269	41.918	29.938	32.798	31.585	22.985	16.156	13.402	9.034	7.335	7.69	6.551
81	3/18/2022	74.927	71.482	63.652	56.798	49.632	43.442	31.802	27.587	20.941	29.954	27.347	20.875	22.835	25.654	28.859	21.007	17.887
82	3/19/2022	65.626	72.517	75.857	74.086	76.126	76.53	79.147	70.332	58.856	52.578	51.645	35.992	32.895	36.264	43.99	36.777	41.626
83	3/20/2022	84.913	84.045	75.872	78.775	70.975	62.315	49.91	46.803	40.167	31.223	26.867	25.644	20.319	14.772	13.776	12.845	10.515
84	3/21/2022	100.09	94.435	91.428	76.532	68.763	57.082	48.934	38.687	26.513	19.889	19.07	17.317	16.829	12.022	11.702	12.66	11.311
85	3/22/2022	75.203	77.312	75.309	79.039	75.063	72.395	67.931	65.547	57.748	51.528	48.586	56.658	47.331	45.279	49.34	46.088	40.224
86	3/23/2022	78.56	71.76	67.869	70.369	62.227	48.697	43.708	34.06	19.972	31.923	32.959	21.997	24.808	29.68	28.594	26.943	32.933
87	3/24/2022	83.525	83.172	73.719	78.867	64.599	56.663	48.325	41.605	36.55	27.082	21.539	22.222	14.619	15.409	14.608	10.629	9.31
88	3/25/2022	96.516	90.765	91.553	96.531	89.274	84.582	74.85	66.913	53.342	42.802	33.955	33.487	37.733	46.759	56.571	60.608	59.937
89	3/26/2022	94.857	100.572	102.433	94.012	86.186	81.217	93.693	91.749	77.105	75.641	59.851	60.104	69.377	65.335	64.363	71.588	77.61
90	3/27/2022	101.303	101.88	100.663	95.839	91.188	86.454	77.79	68.762	56.227	50.119	44.263	41.396	36.822	41.418	34.662	25.412	25.351
91	3/28/2022	118.316	109.181	93.077	81.87	72.452	62.464	51.147	48.949	39.97	38.606	32.31	28.513	21.318	20.625	12.859	13.978	12.502

	B	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
4	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545	D_1600
48	2/13/2022	24.607	28.002	27.003	26.507	18.525	17.993	21.644	23.297	27.61	29.526	34.358	44.214	35.534	53.397	59.447	66.813	81.851
49	2/14/2022	43.061	41.474	42.632	37.231	32.242	30.612	33.247	36.237	31.964	31.549	22.119	26.347	27.9	32.728	34.253	31.635	41.652
50	2/15/2022	26.764	22.341	23.046	18.005	13.38	16.185	18.987	17.14	17.222	17.537	18.06	20.236	18.555	19.507	24.385	22.062	25.74
51	2/16/2022	20.28	22.434	22.339	14.176	15.35	17.253	11.602	11.138	14.005	15.13	12.564	18.545	28.972	27.382	33.632	32.803	39.68
52	2/17/2022	64.648	54.239	48.591	51.353	55.055	59.235	60.286	56.037	59.175	75.953	70.028	70.122	72.421	72.9	79.449	70.316	83.081
53	2/18/2022	45.688	36.987	37.308	32.933	31.995	23.48	20.384	21.733	18.152	20.826	21.189	18.94	18.696	25.013	20.656	24.933	27.088
54	2/19/2022	25.285	25.172	25.126	23.01	26.412	19.577	18.506	18.026	23.698	19.42	21.079	22.107	26.223	23.701	22.254	26.797	33.123
55	2/20/2022	23.104	19.531	22.737	17.454	18.415	15.295	13.349	13.317	13.467	13.169	14.602	17.144	19.8	16.816	17.517	23.535	24.147
56	2/21/2022	26.564	31.157	30.561	33.872	34.229	39.424	33.573	29.426	28.2	28.972	22.57	18.177	16.211	12.526	20.868	25.394	29.048
57	2/22/2022	59.293	55.252	50.043	41.055	40.325	34.56	33.477	39.355	48.383	40.603	45.71	59.684	56.371	55.915	58.313	58.201	63.224
58	2/23/2022	62.878	61.663	54.817	53.042	52.635	47.955	59.17	60.769	65.48	59.982	67.332	61.795	59.654	61.84	66.026	76.787	78.641
59	2/24/2022	47.291	48.748	45.357	43.109	42.569	43.406	51.2	53.619	59.18	60.752	57.324	60.87	73.335	74.987	92.687	97.924	102.656
60	2/25/2022	73.109	70.879	77.421	69.757	71.01	67.117	71.731	68.836	66.807	70.227	79.211	77.962	75.976	85.434	78.33	83.417	91.568
61	2/26/2022	59.802	59.266	59.319	70.75	51.682	45.642	36.717	33.908	31.017	26.994	22.831	24.6	23.438	28.199	28.524	32.837	38.356
62	2/27/2022	18.621	18.447	16.78	17.625	21.352	13.223	18.816	19.304	19.782	13.566	16.712	15.049	17.152	18.472	22.313	17.756	19.413
63	2/28/2022	14.028	14.464	10.971	10.156	13.248	14.498	11.299	14.147	11.965	11.786	11.922	10.935	11.394	13.548	19.644	17.97	22.279
64	3/1/2022	10.262	8.148	5.37	5.633	6.65	9.131	8.911	7.983	9.863	7.308	7.058	8.819	9.548	14.309	16.697	18.65	16.221
65	3/2/2022	9.859	8.862	7.434	5.528	6.233	5.902	7.9	8.582	11.127	8.762	11.965	10.337	10.668	9.607	10.698	10.644	16.428
66	3/3/2022	41.909	50.381	34.942	27.86	27.761	18.193	18.647	15.344	18.347	13.794	18.006	21.728	13.052	10.692	11.034	14.415	20.209
67	3/4/2022	10.873	12.583	12.463	11.294	9.271	6.609	6.907	9.644	12.172	15.002	13.567	16.009	21.441	26.649	32.995	38.557	39.548
68	3/5/2022	8.277	11.898	9.58	9.351	10.297	9.766	11.313	8.351	7.71	7.919	8.32	11.746	12.383	12.741	14.217	13.43	16.295
69	3/6/2022	26.144	25.563	26.879	38.471	41.934	39.828	44.784	36.186	42.149	40.327	36.38	26.53	27.735	33.578	34.679	31.182	40.386
70	3/7/2022	49.065	52.376	49.854	50.996	49.438	44.575	34.255	31.406	36.222	45.612	47.633	56.405	49.453	57.11	65.097	55.782	49.813
71	3/8/2022	35.526	29.664	33.446	25.38	22.018	24.735	26.297	21.72	22.093	22.634	19.233	18.871	16.443	23.358	23.722	26.02	32.707
72	3/9/2022	35.287	36.095	27.397	19.757	18.977	20.063	18.201	16.376	17.083	15.083	16.209	17.38	20.119	23.145	21.766	22.626	27.07
73	3/10/2022	10.71	8.174	8.699	11.327	12.566	12.173	8.712	7.617	7.788	6.945	10.627	11.499	14.539	13.64	14.709	14.832	17.329
74	3/11/2022	9.804	13.697	11.118	9.886	13.041	13.552	14.748	18.266	22.759	26.301	21.074	18.279	24.211	26.497	25.268	34.741	45.586
75	3/12/2022	82.664	86.987	79.122	83.514	75.888	68.686	55.934	67.134	68.578	57.243	54.94	68.487	51.105	50.771	49.21	47.032	55.611
76	3/13/2022	24.724	17.309	15.584	25.008	25.217	26.248	19.446	15.512	26.143	35.535	27.871	18.494	13.969	12.871	17.656	17.438	22.571
77	3/14/2022	11.929	9.74	10.245	10.818	7.854	6.083	8.524	6.228	7.222	6.305	6.525	8.673	6.128	8.564	7.141	9.911	10.691
78	3/15/2022	22.415	11.653	11.456	9.523	7.905	7.835	7.46	7.19	7.754	8.093	6.781	6.785	8.519	13.776	10.887	11.284	9.908
79	3/16/2022	11.048	10.101	11.557	9.407	11.016	14.48	11.285	11.63	9.035	8.615	6.978	8.551	7.924	9.838	12.645	11.681	9.795
80	3/17/2022	6.092	6.756	4.485	6.27	5.696	5.483	4.825	7.722	4.652	5.095	7.782	7.467	6.908	10.157	9.497	12.551	10.56
81	3/18/2022	19.472	16.224	18.216	23.357	24.37	20.641	23.146	28.83	32.808	32.482	29.49	36.297	38.418	35.375	34.064	39.562	37.546
82	3/19/2022	33.078	30.635	47.777	51.85	42.959	49.431	43.613	43.834	54.179	63.496	64.406	59.851	61.354	58.965	63.652	63.497	61.23
83	3/20/2022	13.402	13.583	10.377	11.691	10.647	9.957	9.502	9.466	10.507	9.632	9.817	13.513	11.271	13.457	12.418	13.261	14.226
84	3/21/2022	11.042	7.995	6.435	7.454	8.292	10.193	10.084	7.937	7.578	7.921	7.076	6.926	5.196	3.538	6.64	8.784	10.896
85	3/22/2022	32.325	35.627	37.977	36.394	29.329	28.07	20.177	22.791	23.119	22.993	24.298	29.944	36.178	35.037	24.853	25.955	37.265
86	3/23/2022	26.518	16.767	13.725	18.673	16.46	12.669	13.374	18.265	17.8	22.147	28.746	30.491	12.193	10.362	11.951	11.533	12.649
87	3/24/2022	7.95	7.097	6.203	8.423	10.288	10.211	11.111	12.22	9.082	10.96	13.972	16.97	19.281	16.168	15.703	20.494	22.485
88	3/25/2022	52.966	51.544	51.069	44.595	43.363	43.105	42.512	38.06	37.287	43.25	43.392	39.147	44.011	56.529	61.771	64.438	60.458
89	3/26/2022	70.437	73.666	71.029	80.363	78.111	78.384	63.498	72.159	65.941	74.234	69.337	74.619	79.857	64.512	56.31	53.858	60.058
90	3/27/2022	26.32	22.615	25.577	22.762	18.768	22.248	20.362	15.982	16.014	19.275	18.061	16.519	14.587	19.731	15.811	16.848	20.272
91	3/28/2022	10.877	10.98	10.95	10.926	9.655	10.855	10.615	11.462	7.683	8.375	6.853	7.175	5.888	10.126	9.862	10.637	13.011

	B	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG
4	measurement date	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945	D_2000	D_2015
48	2/13/2022	96.417	105.039	106.723	117.054	125.499	130.628	138.398	134.907	142.145	139.325	143.136	134.943	130.576	124.436	140.353	120.567	124.492
49	2/14/2022	46.383	51.511	58.256	69.776	76.404	88.183	96.065	108.134	123.548	127.352	129.104	135.661	129.264	134.768	135.967	144.105	140.469
50	2/15/2022	28.88	36.222	46.064	52.619	64.549	81.269	77.291	77.168	91.91	104.459	111.111	115.925	117.502	115.44	120.481	120.928	116.81
51	2/16/2022	49.549	57.915	62.867	69.192	74.974	79.516	77.497	81.666	86.02	86.573	88.71	90.805	101.16	97.42	89.428	91.868	100.23
52	2/17/2022	81.611	80.835	90.896	98.4	99.277	111.862	109.444	103.899	106.545	103.659	102.424	104.622	102.638	109.83	109.025	108.539	109.386
53	2/18/2022	29.862	40.731	52.415	54.5	62.891	71.774	81.412	95.591	97.687	104.172	112.402	116.463	121.344	122.502	121.335	124.539	116.615
54	2/19/2022	38.589	45.083	50.067	53.538	60.815	70.72	82.065	94.462	107.032	113.945	108.71	112.574	114.683	115.287	124.313	123.813	126.507
55	2/20/2022	29.104	37.372	40.017	47.268	47.644	65.71	67.542	79.284	93.357	103.309	105.568	105.877	112.014	108.819	107.44	107.434	106.756
56	2/21/2022	33.476	35.999	41.926	44.251	52.214	69.184	67.426	73.349	87.42	90.764	94.234	94.273	96.179	104.848	100.897	99.284	99.535
57	2/22/2022	71.087	70.445	72.519	71.867	74.519	81.121	87.172	86.565	95.594	96.79	94.879	93.752	97.443	100.792	101.164	88.955	94.928
58	2/23/2022	79.954	85.406	90.928	96.163	97.691	108.441	118.949	121.979	127.351	120.789	117.296	127.086	122.719	125.329	123.624	122.313	131.718
59	2/24/2022	102.36	105.676	109.57	111.937	119.336	122.324	128.563	126.128	124.818	116.819	131.316	132.722	129.767	126.719	126.58	124.673	130.603
60	2/25/2022	101.844	102.681	100.762	101.502	110.862	115.626	126.258	122.414	130.92	126.935	128.75	128.589	131.581	130.197	133.785	124.034	129.858
61	2/26/2022	48.462	51.152	52.96	63.705	61.372	69.799	78.32	78.137	91.448	101.103	109.501	114.635	118.223	119.584	122.116	117.178	122.86
62	2/27/2022	27.504	33.606	41.936	46.87	55.549	64.127	76.038	84.272	93.862	103.009	111.607	115.361	111.481	118.336	121.055	123.497	119.278
63	2/28/2022	22.697	26.986	28.159	36.299	41.926	53.858	67.191	76.252	88.068	108.173	113.566	106.294	110.393	111.962	105.599	108.846	115.283
64	3/1/2022	14.061	18.927	29.083	31.511	34.727	43.42	49.914	55.483	68.895	83.186	86.982	91.211	98.258	96.293	91.166	91.808	98.117
65	3/2/2022	19.057	22.34	26.292	28.194	36.156	41.243	48.344	57.977	74.723	77.703	84.822	87.394	87.978	89.498	95.734	96.527	91.085
66	3/3/2022	29.516	37.63	48.328	57.369	69.622	64.986	68.575	83.178	88.649	100.335	100.378	101.928	110.857	113.782	116.273	107.537	110.882
67	3/4/2022	40.019	40.376	55.458	61.278	66.442	77.222	87.86	86.199	89.598	89.979	98.235	103.334	105.121	107.829	105.757	109.763	111.896
68	3/5/2022	25.661	35.282	34.506	37.717	43.951	42.451	50.133	63.984	69.75	73.168	81.194	82.572	80.207	81.467	85.106	76.487	79.582
69	3/6/2022	51.417	51.339	52.163	41.733	45.962	61.672	74.458	78.913	83.824	87.772	90.912	101.158	100.465	99.22	95.44	104.113	105.974
70	3/7/2022	55.954	64.708	66.754	67.665	62.6	71.378	87.908	98.938	101.254	112.447	113.293	106.403	110.655	103.038	101.683	109.367	112.068
71	3/8/2022	32.079	44.774	52.053	54.123	64.009	74.736	84.986	92.003	104.546	117.567	118.029	115.705	117.206	121.133	125.005	116.787	125.604
72	3/9/2022	27.537	29.988	32.718	36.604	43.584	50.683	50.406	59.423	71.651	79.015	89.477	92.301	97.47	105.543	105.79	102.031	103.433
73	3/10/2022	17.551	21.193	24.117	32.215	44.443	49.772	54.37	59.878	67.154	77.24	89.983	89.714	93.347	101.254	101.098	101.696	111.538
74	3/11/2022	61.788	71.098	72.241	79.568	88.677	93.546	98.398	105.402	106.57	107.374	114.573	121.572	118.644	116.51	118.133	116.798	117.814
75	3/12/2022	52.529	61.358	52.422	57.313	57.407	73.527	82.694	85.886	106.92	110.063	126.534	134.16	136.861	134.799	134.775	139.163	141.422
76	3/13/2022	20.942	22.853	23.601	24.585	29.604	37.933	42.088	45.061	49.961	57.826	72.708	78.634	81.181	97.034	112.619	123.927	123.931
77	3/14/2022	11.939	9.129	11.699	14.128	17.495	21.139	29.277	30.323	37.194	48.923	50.949	57.56	63.796	81.943	86.392	93.872	104.14
78	3/15/2022	13.665	18.264	24.855	27.081	25.38	29.408	35.612	43.43	44.129	53.968	58.795	58.21	66.987	77.806	86.772	86.619	89.986
79	3/16/2022	11.396	15.188	19.5	18.779	23.081	24.165	21.546	25.001	32.237	36.573	42.738	53.808	60.664	65.02	79.849	80.031	78.873
80	3/17/2022	10.091	16.108	15.308	15.398	20.534	22.977	26.853	27.821	32.078	35.425	40.169	47.577	63.276	73.34	79.724	78.363	83.934
81	3/18/2022	47.572	56.004	56.004	48.725	36.029	42.591	50.96	57.144	55.366	53.139	53.142	53.219	62.501	65.469	75.974	76.85	77.671
82	3/19/2022	65.334	64.221	69.455	80.111	80.315	84.192	84.995	86.427	90.196	93.704	86.709	89.098	97.719	102.265	97.814	95.363	90.503
83	3/20/2022	13.617	13.514	16.532	21.452	22.32	25.625	31.469	30.605	40.639	46.326	52.35	58.363	65.585	84.421	92.985	97.18	104.788
84	3/21/2022	10.952	10.341	14.061	15.293	19.204	20.929	26.627	31.553	38.684	42.974	53.875	60.031	66.563	73.039	83.212	89.821	94.785
85	3/22/2022	37.311	50.279	54.918	60.489	55.665	59.473	67.751	65.883	57.9	57.219	54.933	65.086	71.615	75.616	82.831	85.191	85.386
86	3/23/2022	13.509	14.857	15.379	20.407	24.67	25.253	22.829	36.937	55.989	54.461	64.749	55.882	70.955	77.656	73.84	80.83	83.486
87	3/24/2022	24.252	34.68	38.435	53.67	61.536	54.366	50.825	50.805	54.939	57.427	59.471	62.135	74.433	79.502	88.91	97.377	100.241
88	3/25/2022	69.168	75.618	82.229	65.533	69.049	71.714	65.401	65.972	78.476	82.922	94.805	93.757	99.082	100.802	100.12	107.101	103.952
89	3/26/2022	63.582	77.482	94.572	91.312	91.473	80.753	69.513	58.431	49.635	56.229	67.042	70.576	91.36	91.153	105.749	105.254	110.948
90	3/27/2022	17.304	17.272	18.498	20.101	27.147	32.563	34.896	39.994	50.259	57.008	64.602	77.777	86.413	98.923	106.311	116.471	130.73
91	3/28/2022	16.83	16.733	15.034	16.857	24.403	36.47	39.765	40.909	44.531	51.48	61.486	65.972	66.715	85.939	102.237	109.169	112.181

	B	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV
4	measurement date	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345	D_2400
48	2/13/2022	122.745	130.822	132.845	123.59	123.728	123.237	121.317	133.392	131.045	130.898	127.364	126.394	117.669	121.324	113.682
49	2/14/2022	142.96	142.789	144.209	135.66	133.686	129.115	136.277	126.225	115.63	119.09	124.688	114.675	112.431	108.556	110.793
50	2/15/2022	117.297	119.292	122.272	115.32	115.117	115.99	106.215	105.09	100.67	104.619	100.959	101.467	100.851	97.615	96.073
51	2/16/2022	103.863	97.273	94.653	93.625	89.121	92.519	97.316	93.975	90.597	79.648	76.939	73.067	69.737	70.353	62.219
52	2/17/2022	109.227	109.719	115.94	109.833	104.359	104.534	101.465	101.654	101.104	103.546	101.858	96.302	96.298	97.123	86.579
53	2/18/2022	121.985	123.853	123.735	127.757	127.197	115.179	114.723	112.441	109.127	114.102	111.961	105.527	110.926	111.324	107.557
54	2/19/2022	122.513	128.47	129.716	131.21	129.652	124.215	119.666	118.422	120.394	115.306	113.4	109.761	114.185	110.621	109.456
55	2/20/2022	109.706	110.482	99.844	101.322	97.016	97.29	93.741	91.499	92.437	83.64	89.451	82.209	82.622	84.854	73.66
56	2/21/2022	93.115	100.03	105.818	99.381	97.511	87.793	82.765	81.604	80.46	76.757	72.901	71.784	72.352	70.54	66.896
57	2/22/2022	89.881	94.162	95.497	86.171	85.08	81.945	77.296	76.427	73.687	77.404	70.836	67.725	67.326	67.068	67.382
58	2/23/2022	126.683	127.469	130.57	133.545	131.078	120.806	122.702	117.152	117.272	108.59	109.168	103.828	107.041	99.859	96.479
59	2/24/2022	132.64	140.319	128.467	125.249	121.925	123.764	124.804	124.551	127.598	119.101	114.317	104.19	103.75	93.917	97.792
60	2/25/2022	115.006	122.013	125.589	113.724	115.671	116.136	117.053	113.663	110.92	109.895	105.775	107.9	105.245	107.713	103.296
61	2/26/2022	111.045	120.187	119.793	122.296	120.015	123.175	119.533	109.824	108.698	110.973	107.41	104.162	104.172	104.323	100.449
62	2/27/2022	125.185	117.209	114.313	112.962	112.329	115.602	121.949	123.292	110.851	106.032	101.528	95.979	89.78	87.622	94.79
63	2/28/2022	106.18	116.095	115.482	108.748	108.401	105.474	104.315	108.629	102.766	96.299	94.438	92.835	98.35	93.883	87.218
64	3/1/2022	92.486	90.857	92.313	89.324	90.697	86.677	83.822	82.176	78.562	80.33	72.387	70.036	70.47	66.037	65.024
65	3/2/2022	81.927	85.489	89.117	88.125	87.112	76.032	73.439	72.536	70.162	68.424	68.07	68.042	65.193	63.157	64.157
66	3/3/2022	115.119	106.795	113.886	125.207	126.697	127.405	118.54	112.923	104.937	101.996	99.156	92.507	94.103	95.899	95.43
67	3/4/2022	109.044	101.392	101.944	105.246	99.571	106.235	97.338	87.447	84.98	85.93	83.239	91.495	88.214	83.657	74.704
68	3/5/2022	81.622	82.711	83.096	81.264	80.645	77.247	77.37	74.132	75.308	67.927	65.515	66.386	67.486	61.102	58.505
69	3/6/2022	102.233	98.293	100.529	96.362	91.67	85.324	82.874	84.473	75.333	76.871	69.488	70.462	67.098	63.111	60.859
70	3/7/2022	113.428	108.583	114.503	114.795	107.301	105.874	100.351	98.906	99.213	87.586	86.996	89.526	87.393	84.762	84.633
71	3/8/2022	119.329	116.494	112.44	111.179	107.837	105.233	102.645	104.864	104.608	100.475	95.338	89.674	90.078	87.049	84.801
72	3/9/2022	104.307	105.398	111.627	109.144	103.825	101.377	99.172	99.57	100.382	97.452	92.442	93.908	91.082	88.952	88.043
73	3/10/2022	106.517	108.235	105.293	105.706	104.22	102.294	100.973	102.459	98.821	98.173	98.066	89.087	87.829	86.211	86.676
74	3/11/2022	122.153	119.136	123.146	117.827	108.007	108.825	108.903	106.636	97.552	100.071	101.4	97.51	96.459	100.37	98.878
75	3/12/2022	140.503	134.24	129.982	135.39	127.654	125.144	123.319	125.948	125.223	121.613	117.233	115.199	117.891	121.395	110.007
76	3/13/2022	119.028	120.584	122.516	112.343	115.004	115.733	118.035	112.448	106.1	101.311	100.026	101.898	91.045	91.661	89.216
77	3/14/2022	102.976	100.137	98.342	97.378	99.762	98.64	98.907	92.826	85.815	79.4	75.072	76.35	75.916	69.37	69.842
78	3/15/2022	92.84	98.518	88.563	88.597	83.887	80.43	85.305	81.068	78.111	74.667	75.446	65.244	60.282	60.972	59.797
79	3/16/2022	79.905	77.681	79.383	79.558	80.76	87.226	86.977	84.688	77.255	75.695	74.684	77.123	71.252	64.978	60.993
80	3/17/2022	84.957	86.102	89.001	81.769	73.592	74.221	73.641	72.958	74.185	72.458	73.483	64.492	64.225	59.32	58.952
81	3/18/2022	71.161	73.936	72.563	75.46	76.967	78.508	76.893	76.712	72.063	72.43	72.171	68.998	67.07	64.926	57.173
82	3/19/2022	95.67	94.429	96.026	92.529	90.321	95.388	94.342	88.735	93.686	88.274	85.026	86.264	88.334	89.059	82.133
83	3/20/2022	109.141	108.507	103.76	100.383	99.606	95.013	95.615	92.483	88.944	85.149	80.5	74.119	70.693	65.444	64.676
84	3/21/2022	98.609	95.996	92.235	87.89	89.982	92.475	88.436	80.784	78.837	75.858	66.334	62.342	62.373	59.76	61.622
85	3/22/2022	90.297	89.878	87.922	92.336	86.098	86.218	83.73	82.727	84.032	74.259	72.071	65.03	62.323	58.993	58.623
86	3/23/2022	84.236	88.193	87.908	87.981	93.713	93.585	88.878	87.218	78.066	76.55	71.486	64.285	64.737	66.181	61.102
87	3/24/2022	100.947	93.683	93.743	103.438	92.797	97.947	100.599	98.475	92.591	86.354	80.103	79.837	78.671	74.569	72.426
88	3/25/2022	106.02	106.056	102.978	99.911	103.316	106.267	104.669	95.877	95.249	90.886	90.474	88.806	85.717	87.137	83.092
89	3/26/2022	110.935	123.691	116.716	126.144	118.17	118.003	119.542	116.704	114.9	105.747	104.111	101.222	97.681	94.842	88.885
90	3/27/2022	132.014	122.385	130.554	128.252	128.936	122.577	118.321	112.418	113.737	112.381	104.263	98.564	105.524	97.691	94.03
91	3/28/2022	118.104	125.257	119.855	122.812	116.717	114.41	105.148	109.699	106.536	102.282	94.986	89.479	84.011	87.984	83.312

	B	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
4	measurement date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
48	2/13/2022	414	419	419	412	427	449	462	489	482	315	223	151	100	91	144	262	425	529	560	516	511	492	523	479
49	2/14/2022	479	452	472	472	455	501	520	557	510	443	328	218	154	132	108	140	226	369	516	544	570	535	486	446
50	2/15/2022	415	418	429	437	450	474	551	536	363	209	126	86	77	70	74	92	164	300	423	474	476	453	411	396
51	2/16/2022	343	316	330	315	314	354	420	392	297	174	86	76	74	54	75	133	240	314	352	380	396	373	341	275
52	2/17/2022	246	245	235	236	231	262	337	313	335	275	202	244	209	235	289	306	352	424	417	430	444	420	408	376
53	2/18/2022	362	331	348	366	353	392	423	460	368	265	165	169	139	84	80	98	178	312	431	490	486	485	448	435
54	2/19/2022	400	372	367	378	379	395	398	416	336	187	116	99	100	80	89	106	187	308	442	478	507	505	468	444
55	2/20/2022	412	416	416	412	411	421	435	453	363	192	137	95	78	55	65	82	154	260	408	436	427	389	357	323
56	2/21/2022	318	309	309	313	323	338	384	405	253	129	82	84	130	131	86	88	156	262	367	401	398	367	312	282
57	2/22/2022	262	234	234	233	230	266	341	320	310	280	303	268	187	156	202	236	286	329	381	388	374	330	298	270
58	2/23/2022	247	254	252	270	288	343	407	425	395	329	270	251	222	233	249	283	352	447	493	494	516	508	452	407
59	2/24/2022	387	370	359	355	356	398	472	464	414	283	234	166	180	207	252	368	430	496	506	508	532	496	486	400
60	2/25/2022	384	364	341	346	368	403	457	451	446	393	310	326	289	274	303	339	407	475	515	520	492	463	440	424
61	2/26/2022	408	389	393	377	378	382	413	437	419	336	248	225	241	147	98	128	216	288	417	477	474	485	437	413
62	2/27/2022	395	382	372	387	390	404	430	421	309	179	143	81	74	71	62	78	150	280	424	474	476	463	442	368
63	2/28/2022	363	351	351	348	354	403	460	433	262	142	67	50	49	52	46	73	114	239	416	437	453	427	402	372
64	3/1/2022	334	329	320	312	327	350	406	419	327	207	84	43	26	36	33	66	94	184	330	378	374	351	313	272
65	3/2/2022	260	245	235	243	255	301	354	335	202	76	49	38	28	34	42	47	96	184	325	370	348	325	279	261
66	3/3/2022	241	208	202	212	216	248	325	334	248	191	186	169	141	71	67	56	173	286	391	448	447	498	419	378
67	3/4/2022	353	349	326	342	332	380	425	398	283	138	84	45	46	35	66	138	197	318	381	428	424	408	342	338
68	3/5/2022	298	292	277	286	283	289	326	341	229	104	77	38	41	37	40	57	133	201	307	323	327	317	283	253
69	3/6/2022	221	209	194	192	188	181	203	242	205	144	139	116	133	163	131	140	197	261	364	399	407	356	306	262
70	3/7/2022	216	216	189	184	191	215	255	302	245	254	167	166	203	146	199	228	255	321	433	425	449	428	373	346
71	3/8/2022	317	309	299	300	312	353	407	398	320	270	211	165	111	95	77	106	183	316	456	480	474	427	405	352
72	3/9/2022	325	313	319	317	326	373	431	409	357	250	157	149	102	72	69	95	127	204	332	411	425	414	390	362
73	3/10/2022	330	321	331	324	341	372	449	353	228	113	55	42	41	36	44	61	95	208	324	397	432	413	398	350
74	3/11/2022	318	312	316	319	315	366	439	340	215	91	48	38	48	69	90	132	285	386	450	470	482	444	406	393
75	3/12/2022	390	382	374	379	393	404	425	464	475	392	359	346	326	260	232	203	224	300	478	546	546	512	490	464
76	3/13/2022	418	425	-	448	417	434	428	455	487	504	301	124	83	87	96	71	92	155	259	415	486	461	420	374
77	3/14/2022	340	300	303	306	315	349	436	414	328	222	86	54	39	28	28	36	47	98	195	326	406	395	333	291
78	3/15/2022	260	244	251	242	241	278	346	353	330	263	157	78	41	30	30	46	84	134	215	318	370	338	309	246
79	3/16/2022	255	218	212	217	229	282	340	364	288	145	75	66	42	46	32	44	65	94	165	286	316	335	312	274
80	3/17/2022	223	214	216	206	208	239	311	332	241	136	62	28	23	23	27	43	57	98	155	295	344	303	293	247
81	3/18/2022	226	213	206	186	187	199	252	296	214	110	97	87	82	105	137	147	208	187	215	281	295	308	293	258
82	3/19/2022	212	206	193	181	189	187	199	258	303	261	157	155	173	191	249	247	279	336	360	393	377	373	356	346
83	3/20/2022	323	309	277	273	267	273	303	332	288	168	88	51	46	39	44	53	65	110	198	340	426	391	347	275
84	3/21/2022	254	256	234	239	246	285	326	385	294	134	65	47	30	36	27	30	51	98	196	313	382	359	302	246
85	3/22/2022	234	210	208	198	199	224	286	295	302	243	198	168	139	94	113	123	203	249	235	315	353	348	313	245
86	3/23/2022	227	209	206	202	195	218	274	300	249	130	109	115	66	62	94	46	64	110	231	303	344	364	313	256
87	3/24/2022	243	245	242	238	244	275	328	341	274	154	74	42	32	43	61	75	151	218	234	340	389	395	358	306
88	3/25/2022	263	279	279	284	280	315	359	376	362	238	152	230	191	161	170	243	293	272	350	407	419	414	372	345
89	3/26/2022	318	292	299	321	320	321	323	384	364	338	255	284	303	280	298	235	327	300	243	394	462	482	441	383
90	3/27/2022	353	364	359	358	348	355	371	383	374	253	164	112	90	75	68	73	73	135	250	408	516	498	443	396
91	3/28/2022	347	321	328	350	351	372	465	464	310	179	103	50	43	41	28	44	65	142	223	364	475	459	414	345

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
4	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330
92	3/29/2022	3	2	81.435	81.434	85.067	80.793	83.953	79.985	83.584	81.891	76.162	77.522	79.745	78.815	80.993	79.941
93	3/30/2022	3	3	84.412	81.505	81.735	75.582	71.8	82.231	75.622	75.482	75.842	70.998	80.327	73.77	73.628	76.854
94	3/31/2022	3	4	71.023	61.561	57.646	53.325	52.699	53.316	54.328	52.935	52.62	50.649	48.36	50.259	48.294	47.474
95	4/1/2022	4	5	77.57	74.551	74.208	73.359	73.005	73.866	70.781	66.582	72.692	74.929	73.59	72.335	69.587	73.313
96	4/2/2022	4	6	78.727	79.163	78.463	79.929	78.876	75.838	79.528	82.629	76.67	75.411	76.743	78.658	80.618	76.616
97	4/3/2022	4	7	82.841	75.363	74.913	75.889	76.871	78.246	71.58	77.271	69.083	70.206	66.607	69.146	68.278	71.745
98	4/4/2022	4	1	67.167	64.748	64.406	58.538	64.476	59.923	63.103	57.959	63.883	61.284	61.632	65.721	58.837	62.707
99	4/5/2022	4	2	73.487	72.23	65.656	63.072	65.727	71.71	73.88	68.864	68.798	70.493	71.434	64.224	66.677	63.999
100	4/6/2022	4	3	67.61	64.85	69.205	67.041	64.772	70.164	72.65	62.023	62.643	63.857	65.035	67.055	64	68.214
101	4/7/2022	4	4	72.988	65.411	65.39	68.261	61.81	59.903	59.733	63.876	60.132	65.455	62.562	63.347	62.545	66.183
102	4/8/2022	4	5	80.061	75.154	76.671	76.516	80.105	71.097	72.532	75.777	74.512	78.256	72.203	67.522	73.428	69.342
103	4/9/2022	4	6	77.919	85.019	78.049	79.459	76.808	76.443	74.526	74.056	78.159	77.988	77.226	77.467	75.567	74.492
104	4/10/2022	4	7	83.847	80.458	86.24	84.46	85.923	77.623	73.084	75.532	74.789	76.591	76.571	75.012	77.582	76.489
105	4/11/2022	4	1	64.857	64.041	62.589	58.692	60.269	58.896	57.847	58.158	58.635	57.081	60.713	58.276	58.114	57.221
106	4/12/2022	4	2	59.335	56.338	55.529	50.255	53.416	51.762	55.895	51.444	52.419	49.092	51.22	51.177	51.342	49.53
107	4/13/2022	4	3	60.403	55.272	51.579	52.643	50.958	50.401	49.183	49.646	50.009	47.723	45.105	47.177	48.614	48.571
108	4/14/2022	4	4	60.442	59.057	56.998	58.678	57.239	53.058	55.145	54.098	54.599	54.207	51.813	51.846	50.408	47.086
109	4/15/2022	4	5	61.498	58.297	58.093	57.367	53.382	55.522	56.232	58.192	57.89	56.895	55.589	58.297	56.987	57.817
110	4/16/2022	4	6	63.259	59.541	59.517	58.447	55.664	55.209	54.549	52.525	50.286	51.215	49.521	48.955	48.567	46.865
111	4/17/2022	4	7	66.937	61.631	62.933	64.497	64.645	64.088	67.398	61.317	66.2	61.922	58.89	61.387	57.821	55.791
112	4/18/2022	4	1	64.218	68.118	65.871	67.672	67.048	67.392	63.807	66.194	64.019	66.744	67.817	62.651	62.213	64.306
113	4/19/2022	4	2	86.738	83.16	83.756	81.191	83.275	77.999	73.023	78.594	79.933	86.721	81.433	84.782	80.503	76.569
114	4/20/2022	4	3	72.856	74.197	73.212	80.965	72.984	70.518	66.33	69.837	68.169	68.775	66.758	70.232	75.222	64
115	4/21/2022	4	4	64.526	58.334	55.765	52.65	51.973	50.918	51.094	55.43	51.52	52.221	53.892	48.287	53.065	51.419
116	4/22/2022	4	5	58.762	57.154	54.601	53.416	52.501	53.978	55.625	58.513	50.628	52.416	53.036	51.907	58.501	55.237
117	4/23/2022	4	6	63.472	63.336	63.254	59.836	57.865	56.002	53.673	49.756	48.849	48.452	49.461	52.238	51.362	51.731
118	4/24/2022	4	7	74.494	66.975	63.498	60.314	57.153	60.551	60.231	58.938	59.854	60.395	57.109	54.335	57.787	55.29
119	4/25/2022	4	1	77.529	74.553	70.637	68.001	66.267	65.39	65.854	63.406	62.514	62.704	60.82	56.991	55.687	56.07
120	4/26/2022	4	2	58.825	56.236	57.007	57.199	55.81	52.226	53.206	53.599	51.386	50.386	47.355	48.454	45.835	50.637
121	4/27/2022	4	3	53.433	52.735	52.618	58.573	59.029	55.136	54.237	54.408	54.462	55.808	54.577	53.944	53.411	53.484
122	4/28/2022	4	4	57.205	54.015	53.697	52.349	54.067	54.64	57.259	54.364	55.936	53.573	49.885	49.622	50.666	52.621
123	4/29/2022	4	5	57.297	56.862	52.768	50.916	52.097	50.15	47.975	48.438	48.642	45.233	47.538	48.624	51.718	50.735
124	4/30/2022	4	6	57.372	58.3	59.882	55.598	51.517	50.88	49.88	50.62	49.642	46.904	48.16	50.302	49.866	48.119
125	5/1/2022	5	7	64.459	61.96	62.218	57.662	57.319	57.229	56.552	55.67	55.119	55.191	52.187	51.03	48.6	49.068
126	5/2/2022	5	1	61.222	62.312	61.624	58.626	57.403	55.215	58.481	55.518	54.363	51.361	52.646	49.721	48.687	47.203
127	5/3/2022	5	2	62.675	61.197	59.322	56.965	53.638	48.568	48.983	50.463	48.855	49.71	51.802	51.462	47.277	48.383
128	5/4/2022	5	3	65.25	61.05	59.242	56.1	55.475	55.103	55.639	55.005	54.305	51.461	48.154	52.605	50.587	51.321
129	5/5/2022	5	4	64.919	60.078	59.367	57.197	55.747	52.892	55.77	53.68	52.448	52.102	52.102	50.874	52.204	49.905
130	5/6/2022	5	5	60.366	58.211	56.872	57.159	54.648	52.698	51.997	49.365	50.937	49.526	49.791	51.845	50.147	50.747
131	5/7/2022	5	6	70.182	62.231	61.88	64.283	62.212	57.606	58.872	60.243	59.657	59.854	55.874	55.585	56.272	52.046
132	5/8/2022	5	7	61.156	59.618	58.124	56.123	55.83	53.254	53.874	52.986	49.667	53.445	51.309	55.153	55.655	50.373
133	5/9/2022	5	1	57.574	50.981	50.629	51.718	48.551	48.892	49.169	48.191	47.421	48.14	46.852	46.861	47.109	48.371
134	5/10/2022	5	2	65.071	59.788	57.947	56.583	53.844	54.208	54.011	51.535	53.632	49.994	50.327	52.468	50.134	50.483
135	5/11/2022	5	3	88.184	84.925	81.581	77.565	74.378	71.771	70.107	64.569	67.197	64.603	65.274	63.622	62.697	62.794

	B	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
4	measurement date	D_0345	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730
92	3/29/2022	85.928	77.043	79.69	84.569	82.929	80.515	86.835	88.541	92.977	96.078	104.635	105.299	106.75	109.163	100.757	105.351
93	3/30/2022	71.43	70.647	75.246	75.27	73.734	76.622	78.648	85.303	85.926	84.512	92.506	104.753	99.157	104.411	101.452	95.737
94	3/31/2022	48.797	47.242	45.118	45.878	44.474	49.055	49.351	49.248	53.528	56.106	62.683	57.47	53.606	64.983	70.404	65.639
95	4/1/2022	68.868	74.887	76.71	76.68	72.196	71.261	78.339	78.162	84.549	83.333	95.427	93.628	99.957	98.757	107.129	101.05
96	4/2/2022	78.392	81.515	78.531	78.048	81.299	80.517	84.709	86.508	84.408	76.746	84.639	86.887	92.39	88.903	96.261	90.614
97	4/3/2022	71.96	71.529	75.404	68.642	71.452	68.575	72.626	76.717	79.593	81.026	77.051	70.859	73.301	75.92	83.893	87.169
98	4/4/2022	62.269	56.812	59.901	60.637	66.349	63.005	66.936	73.133	79.671	72.46	77.579	81.088	79.201	87.682	87.842	89.86
99	4/5/2022	60.056	62.695	62.477	67.847	65.626	67.44	65.109	71.268	72.148	73.479	85.279	87.839	77.515	85.327	87.584	80.886
100	4/6/2022	63.06	59.832	68.469	69.549	65.523	69.658	69.491	73.648	74.262	79.322	82.821	91.175	89.973	85.979	86.275	77.873
101	4/7/2022	62.643	60.665	61.91	66.662	60.456	60.59	64.106	70.724	72.497	71.488	81.245	84.552	84.631	89.461	88.524	87.607
102	4/8/2022	74.515	75.59	79.191	78.762	76.158	77.012	75.086	79.779	84.364	86.555	92.084	102.38	103.135	93.076	103.65	105.335
103	4/9/2022	78.532	72.731	73.414	75.635	75.491	76.394	80.63	80.287	76.758	77.031	84.715	76.692	78.954	81.931	83.046	87.24
104	4/10/2022	76.512	78.743	79.243	82.507	84.068	88.175	87.112	89.005	85.862	85.539	84.885	81.662	84.936	85.688	92.389	85.901
105	4/11/2022	59.26	53.949	57.854	55.78	57.974	60.368	62.828	60.044	62.444	65.619	71.938	71.984	70.694	75.96	76.472	76.198
106	4/12/2022	51.298	47.328	47.9	52.081	51.086	55.198	53.475	54.78	60.162	58.054	69.878	76.598	66.494	74.979	76.894	74.96
107	4/13/2022	49.622	47.15	46.542	48.05	50.357	46.032	48.963	49.556	49.119	52.489	58.453	62.66	55.869	57.157	61.654	65.649
108	4/14/2022	47.108	48.75	52.74	49.082	51.174	49.145	47.243	49.687	53.28	54.56	60.783	60.75	58.52	69.059	64.16	69.793
109	4/15/2022	54.509	56.985	58.013	62.035	57.956	56.75	59.373	65.399	67.12	67.219	70.598	77.419	74.072	86.609	82.217	70.115
110	4/16/2022	47.681	47.897	49.253	50.189	48.513	48.4	46.023	47.971	49.805	49.736	50.209	46.879	52.57	52.342	55.094	56.067
111	4/17/2022	60.899	60.236	60.614	63.666	66.258	64.701	64.876	60.394	65.105	70.431	69.732	68.64	69.816	73.126	74.962	83.258
112	4/18/2022	60.967	68.407	65.348	66.183	65.152	64.678	66.083	74.326	73.957	78.496	85.352	83.473	84.294	91.009	91.184	88.616
113	4/19/2022	78.363	78.785	79.334	81.245	79.11	80.271	82.798	91.844	87.673	95.55	97.073	99.191	95.702	104.972	103.797	93.333
114	4/20/2022	70.277	68.432	69.232	66.648	67.909	68.769	72.633	82.109	87.878	85.081	95.51	96.073	90.602	94.637	90.067	83.635
115	4/21/2022	56.851	52.535	53.569	53.197	59.972	55.945	57.099	61.134	60.629	61.492	67.084	70.284	66.714	76.389	70.857	71.234
116	4/22/2022	53.936	52.344	53.377	53.56	54.444	52.981	56.781	57.802	59.516	60.295	70.593	73.693	73.479	81.109	77.801	70.213
117	4/23/2022	50.514	50.159	49.414	46.246	47.282	45.785	43.881	43.948	42.818	45.803	47.881	51.751	51.37	53.002	55.131	53.361
118	4/24/2022	54.992	54.736	51.902	52.001	50.627	49.683	51.316	50.141	53.787	59.783	54.133	56.522	59.586	56.897	50.751	48.284
119	4/25/2022	56.281	57.237	56.036	56.119	55.706	57.279	56.902	55.55	61.232	57.14	60.922	67.678	66.294	65.779	62.364	60.36
120	4/26/2022	45.261	43.8	47.192	46.2	46.645	46.135	49.546	49.441	51.062	55.079	61.726	64.867	65.608	64.486	58.224	56.959
121	4/27/2022	51.521	53.716	57.052	54.938	54.647	52.918	54.66	60.715	67.143	74.624	81.543	85.239	83.343	86.711	78.92	76.05
122	4/28/2022	52.48	52.356	51.779	49.27	49.641	53.746	52.951	54.961	58.918	65.717	77.856	83.948	78.185	81.683	81.855	72.671
123	4/29/2022	48.44	48.266	50.301	47.326	49.71	51.067	51.102	51.078	51.595	58.965	61.154	66.071	74.923	74.556	68.473	66.959
124	4/30/2022	46.923	43.966	46.181	47.544	48.62	49.491	48.042	48.42	45.983	49.287	48.372	48.76	52.07	55.1	57.272	53.974
125	5/1/2022	46.306	47.995	47.785	48.813	52.27	50.995	50.867	48.862	50.653	49.56	50.959	56.073	58.801	60.139	55.668	56.343
126	5/2/2022	44.614	44.349	47.9	45.275	44.841	44.172	47.183	51.806	53.758	53.294	54.212	58.278	60.618	62.883	52.401	51.021
127	5/3/2022	45.12	45.995	49.254	46.632	47.747	50.855	49.332	50.434	50.261	54.584	58.512	62.259	62.523	68.93	68.272	66.804
128	5/4/2022	49.511	48.25	49.65	49.883	52.057	51.625	51.888	48.631	49.265	55.428	63.512	67.542	67.504	62.117	60.047	59.671
129	5/5/2022	48.387	48.585	48.414	47.022	49.222	48.976	48.491	49.286	52.692	56.457	63.862	66.649	66.742	72.741	72.278	68.065
130	5/6/2022	48.223	45.776	49.527	48.427	50.59	50.726	51.249	50.886	57.332	59.778	63.189	65.859	63.679	70.296	71.911	69.112
131	5/7/2022	50.481	51.697	51.267	53.105	51.922	50.508	50.196	49.724	50.425	50.257	49.934	54.172	55.101	61.772	60.418	61.07
132	5/8/2022	50.588	52.635	51.132	52.076	52.29	52.058	53.148	57.158	58.784	59.22	56.764	57.782	59.903	60.374	58.621	56.056
133	5/9/2022	48.182	47.183	45.508	46.188	47.409	47.152	46.029	47.062	49.141	54.308	58.772	64.222	60.237	62.021	53.787	46.137
134	5/10/2022	49.356	50.563	50.446	46.684	48.062	50.852	52.985	50.869	51.324	51.745	52.541	64	61.173	62.183	61.221	58.614
135	5/11/2022	63.142	61.843	58.582	58.567	64.094	63.553	61.008	62.274	61.021	61.331	64.927	69.455	69.537	72.399	74.589	66.876

	B	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY
4	measurement date	D_0745	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
92	3/29/2022	114.593	113.855	105.557	93.305	85.846	83.039	73.177	68.389	69.737	62.95	60.435	62.914	53.896	58.286	52.759	42.907	42.917
93	3/30/2022	95.308	78.766	83.442	84.482	62.354	53.237	38.872	29.149	22.304	19.154	25.173	21.755	20.997	19.674	13.24	13.568	16.753
94	3/31/2022	62.454	58.739	60.574	59.197	56.449	55.097	52.676	51.337	51.732	47.182	48.324	43.067	44.423	38.676	35.881	36.191	38.751
95	4/1/2022	102.105	101.456	89.616	79.562	83.372	82.515	68.381	60.224	45.686	37.359	31.899	40.889	43.328	39.802	32.267	25.984	28.06
96	4/2/2022	91.695	89.83	83.519	67.888	57.921	57.436	48.143	42.294	38.388	26.826	23.124	17.876	22.284	28.071	18.048	18.514	16.236
97	4/3/2022	88.945	89.546	92.103	75.024	71.594	63.151	54.311	42.662	27.796	23.414	20.507	20.301	21.586	18.066	19.75	15.892	12.694
98	4/4/2022	91.146	88.324	88.562	84.875	82.141	73.312	72.52	61.942	65.196	63.732	67.266	75.669	61.334	59.612	61.661	52.331	41.642
99	4/5/2022	81.102	80.133	79.294	83.395	73.706	71.22	69.884	68.698	63.142	62.538	51.96	51.063	52.409	56.465	58.707	56.41	57.089
100	4/6/2022	83.64	76.124	74.499	70.274	73.957	69.109	64.608	64.648	69.974	72.07	73.467	74.771	77.6	77.101	65.391	49.99	39.516
101	4/7/2022	91.623	79.906	68.534	58.55	65.948	63.483	36.294	26.327	25.825	28.451	30.185	24.844	25.669	21.809	19.172	13.675	13.867
102	4/8/2022	92.067	79.526	72.278	60.357	55.911	40.864	36.326	31.482	27.261	32.725	32.312	30.233	26.002	25.539	25.529	28.772	28.57
103	4/9/2022	83.734	87.007	77.837	79.206	75.148	76.874	64.954	57.114	48.36	47.613	42.772	44.142	44.737	48.546	51.584	52.77	49.952
104	4/10/2022	90.514	83.961	67.878	62.122	62.298	52.53	46.674	34.121	26.528	25.812	25.614	23.56	17.602	11.809	14.389	15.12	13.977
105	4/11/2022	79.485	74.242	73.795	65.914	55.27	54.351	53.6	46.894	52.072	57.957	57.621	67.823	62.024	52.922	31.013	22.338	17.187
106	4/12/2022	67.056	60.326	53.016	47.362	46.67	39.704	36.577	33.755	26.915	23.903	24.717	26.27	23.954	24.984	23.314	25.498	24.083
107	4/13/2022	54.523	57.208	52.953	53.086	62.11	60.333	53.074	48.428	42.236	43.038	52.991	47.196	42.442	41.437	44.24	42.716	39.343
108	4/14/2022	62.871	58.179	54.849	46.126	37.426	28.087	21.896	25.956	19.087	19.007	16.4	13.805	7.393	6.351	6.083	6.897	6.634
109	4/15/2022	69.776	49.535	54.379	48.321	44.834	35.209	32.878	26.291	30.877	22.19	19.253	15.62	10.515	11.119	8.234	6.984	8.153
110	4/16/2022	62.477	57.281	56.962	59.563	58.805	46.28	44.275	41.52	36.515	36.417	24.786	28.485	20.636	26.608	35.801	33.173	31.622
111	4/17/2022	61.628	58.5	49.539	53.81	59.75	46.019	38.327	41.687	33.92	31.921	25.321	25.041	21.334	17.18	21.309	18.353	14.856
112	4/18/2022	92.48	83.694	88.73	79.14	81.225	78.96	79.248	71.362	70.317	78.754	66.094	54.558	59.719	61.054	60.182	48.619	49.063
113	4/19/2022	88.155	70.914	69.154	61.847	56.847	45.55	38.634	37.221	31.37	27.524	22.498	25.213	22.991	20.028	18.097	19.426	23.176
114	4/20/2022	74.799	78.973	79.752	70.755	58.665	63.933	49.164	42.15	38.09	27.137	25.236	18.123	18.87	24.992	23.843	21.602	15.851
115	4/21/2022	65.732	65.557	68.209	72.372	70.182	65.352	60.181	66.557	58.878	59.594	53.091	41.691	41.904	37.906	37.337	35.954	29.729
116	4/22/2022	54.893	55.686	52.961	47.4	48.395	37.539	29.034	24.737	23.386	18.713	18.026	14.973	15.205	14.249	8.041	7.829	10.415
117	4/23/2022	51.767	44.615	43.461	45.076	38.98	36.505	32.217	23.621	21.953	21.141	20.386	19.223	16.39	15.1	14.272	13.717	10.842
118	4/24/2022	46.201	34.741	34.323	34.915	38.776	34.606	31.081	27.914	29.293	23.922	20.455	18.835	21.469	19.333	14.795	11.592	13.632
119	4/25/2022	47.412	35.975	44.198	50.187	43.125	28.151	32.09	28.095	27.118	36.581	36.977	38.813	40.651	37.284	34.947	36.415	32.041
120	4/26/2022	59.9	54.217	41.967	32.719	31.187	28.601	27.309	24.3	22.503	18.617	16.114	22.301	18.48	16.767	15.397	16.724	13.609
121	4/27/2022	63.239	53.519	53.62	47.529	37.366	34.303	30.421	28.408	24.66	19.211	12.711	14.627	13.067	14.649	12.283	11.338	8.185
122	4/28/2022	64.201	54.19	46.255	41.756	33.847	30.466	29.205	29.84	25.841	19.205	17.993	15.952	12.797	15.517	12.692	8.392	7.167
123	4/29/2022	65.886	62.089	56.347	55.922	47.003	40.308	41.634	35.006	29.736	30.7	27.075	24.387	24.023	22.892	18.699	16.232	12.849
124	4/30/2022	60.13	56.027	56.371	48.37	37.282	32.549	30.728	26.892	30.005	25.89	29.156	29.694	28.976	20.897	22.842	22.723	19.635
125	5/1/2022	54.137	50.049	57.29	60.72	60.133	60.653	57.12	41.507	32.959	27.341	29.838	30.647	27.067	23.625	19.662	15.095	16.34
126	5/2/2022	45.42	40.387	39.022	32.71	31.36	26.238	21.438	22.03	21.079	16.522	17.541	14.876	14.949	10.807	7.274	5.482	4.94
127	5/3/2022	68.83	59.221	62.185	58.159	54.14	61.305	64.124	67.799	66.387	55.745	43.625	23.806	15.458	12.116	9.082	10.883	12.621
128	5/4/2022	55.695	55.002	54.671	57.477	56.274	49.798	43.095	40.643	39.413	32.904	37.579	37.936	40.215	36.369	31.112	34.822	28.398
129	5/5/2022	66.752	60.914	55.827	55.498	47.078	40.14	39.926	38.332	33.385	33.604	32.461	29.063	31.841	27.888	25.729	23.629	20.846
130	5/6/2022	64.131	57.889	47.351	42.645	32.745	40.811	36.084	29.494	33.784	22.985	24.555	22.987	23.267	26.742	24.265	16.987	18.83
131	5/7/2022	68.732	62.554	59.713	54.504	54.578	46.707	44.266	41.021	41.201	41.636	46.696	44.802	45.322	40.202	39.764	45.252	37.448
132	5/8/2022	50.293	49.519	43.959	38.501	35.655	34.69	32.275	25.007	21.072	18.427	19.485	17.404	20.188	20.192	16.284	13.01	11.757
133	5/9/2022	45.542	43.493	40.062	36.733	31.074	27.166	26.25	21.187	20.172	17.006	14.467	13.159	10.548	9.602	7.637	5.443	5.414
134	5/10/2022	48.177	34.127	30.821	29.184	27.489	24.608	25.662	22.791	15.97	21.526	19.43	18.253	18.841	18.45	17.113	13.891	12.001
135	5/11/2022	62.864	58.042	54.871	52.033	48.38	39.536	33.653	28.497	28.057	24.598	26.779	25.785	23.676	22.221	19.933	25.009	16.255

	B	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
4	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545	D_1600
92	3/29/2022	39.07	38.798	32.414	24.172	18.916	24.078	28.297	25.804	24.706	16.471	19.545	23.486	30.762	45.799	51.894	63.198	71.351
93	3/30/2022	15.526	13.049	14.367	7.77	8.938	9.069	6.01	6.725	7.888	11.818	7.677	8.57	9.566	15.211	14.122	12.777	16.566
94	3/31/2022	42.657	42.883	43.467	34.037	30.546	30.268	30.694	31.796	30.652	30.844	36.963	39.48	41.381	48.16	55.96	61.967	56.038
95	4/1/2022	35.17	28.95	32.547	35.894	27.821	28.595	28.778	28.092	21.044	21.018	23.865	24.987	24.812	26.728	26.174	29.77	26.504
96	4/2/2022	15.369	17.811	19.327	19.144	23.717	21.524	16.589	18.554	23.299	24.518	26.463	23.182	17.245	23.763	31.883	32.194	32.197
97	4/3/2022	15.231	16.03	17.434	14.637	13.823	18.691	16.707	17.325	16.712	16.393	13.443	10.372	10.859	14.104	16.96	13.505	14.413
98	4/4/2022	31.597	36.243	35.256	38.054	41.057	38.11	29.485	28.271	27.193	31.719	37.837	37.703	34.701	33.777	33.035	26.846	21.588
99	4/5/2022	55.851	43.706	40.573	46.007	47.106	49.509	45.617	50.749	41.181	32.659	42.126	37.347	35.079	40.45	45.953	52.071	60.976
100	4/6/2022	18.75	23.226	22.97	27.199	56.393	59.316	56.742	58.4	59.276	58.283	53.596	61.063	63.057	51.78	46.847	53.445	64.162
101	4/7/2022	10.306	13.105	10.534	12.605	14.994	15.83	15.199	17.675	11.744	11.265	11.595	12.674	23.959	21.663	21.972	15.267	12.842
102	4/8/2022	25.643	27.06	22.497	27.091	22.967	18.948	14.628	15.772	22.949	21.419	25.906	31.808	32.388	26.199	27.179	28.611	34.359
103	4/9/2022	43.943	47.877	55.855	67.985	72.266	79.087	77.643	68.981	60.726	51.187	61.209	69.26	57.756	45.567	47.996	50.968	51.46
104	4/10/2022	11.743	9.885	8.799	7.087	8.802	10.156	11.592	7.901	7.566	6.863	8.09	9.978	11.21	9.6	10.55	12.884	11.814
105	4/11/2022	18.896	23.68	31.11	36.171	39.329	39.468	43.621	42.364	28.169	21.762	24.19	28.385	23.534	23.905	30.492	31.676	39.094
106	4/12/2022	18.15	18.142	20.314	25.381	22.177	21.484	15.918	13.439	19.345	30.617	32.448	37.236	29.725	24.023	24.372	22.399	21.524
107	4/13/2022	30.682	13.709	15.096	16.315	16.889	16.587	14.745	15.153	17.316	29.605	37.487	44.808	35.967	38.575	40.329	36.414	42.872
108	4/14/2022	7.419	6.358	3.394	4.243	6.943	5.161	3.696	3.979	4.043	4.015	4.633	4.896	5.185	6.652	5.348	7.08	9.462
109	4/15/2022	5.84	5.25	6.73	4.871	4.324	4.982	5.95	7.191	7.267	6.881	5.514	5.905	6.381	10.085	9.945	12.876	13.325
110	4/16/2022	30.054	21.917	20.869	15.315	16.425	16.053	15.553	18.357	19.972	16.159	14.502	12.261	15.633	12.455	12.391	10.242	11.409
111	4/17/2022	13.909	14.265	14.974	11.7	12.166	14.475	18.24	16.925	18.289	18.163	19.44	13.794	13.246	18.067	20.293	16.157	22.464
112	4/18/2022	57.102	64.411	52.135	44.748	41.387	49.782	54.611	51.685	52.317	58.216	61.18	59.865	70.286	69.901	72.183	67.364	69.609
113	4/19/2022	24.032	23.86	22.37	19.332	19.438	24.345	15.137	14.623	15.21	20.65	14.22	17.517	18.349	17.983	19.181	19.746	22.524
114	4/20/2022	16.653	21.654	18.538	14.716	16.241	14.453	10.135	8.218	9.603	11.714	9.75	9.322	7.937	9.373	8.402	8.325	8.903
115	4/21/2022	34.022	32.886	25.156	30.525	26.169	30.43	29.446	31.733	20.945	21.305	25.907	35.729	39.986	42.952	46.03	46.737	51.246
116	4/22/2022	7.162	7.809	5.995	6.253	7.303	6.441	6.323	5.864	7.5	6.248	4.022	4.269	7.079	9.488	7.365	8.704	8.475
117	4/23/2022	9.479	10.68	9.549	8.397	7.685	10.539	11.262	10.021	9.027	8.924	9.505	8.906	11.975	13.888	13.633	14.895	12.681
118	4/24/2022	16.867	15.785	14.341	14.985	11.891	12.736	14.218	16.212	18.029	18.183	16.524	15.963	17.979	18.271	21.413	22.232	21.156
119	4/25/2022	28.295	24.523	23.978	39.548	32.957	24.331	22.47	22.941	22.185	28.708	24.805	27.76	34.212	46.026	55.493	52.97	41.819
120	4/26/2022	14.497	11.479	12.203	9.254	7.814	8.09	7.87	8.521	8.645	7.617	5.629	7.181	6.195	5.483	6.594	8.565	9.724
121	4/27/2022	6.364	6.189	4.889	4.283	4.825	5.087	4.781	5.058	5.622	5.294	4.019	5.18	4.301	5.888	5.774	5.092	5.347
122	4/28/2022	9.802	7.475	8.875	14.175	8.268	7.494	5.874	8.417	10.16	11.879	8.433	9.286	8.295	9.351	14.953	14.835	9.532
123	4/29/2022	11.309	8.071	9.991	7.551	8.207	8.603	7.319	8.169	8.012	8.221	6.501	5.533	4.771	7.415	5.551	4.93	9.979
124	4/30/2022	18.739	18.535	17.829	19.583	22.462	24.641	18.295	19.435	17.21	21.322	26.473	25.594	21.903	21.768	19.53	10.106	15.538
125	5/1/2022	11.447	12.758	11.978	9.903	12.637	10.815	10.448	10.446	10.827	6.962	7.253	8.599	10.243	8.721	9.181	7.434	9.227
126	5/2/2022	4.129	5.448	6.185	4.292	5.237	8.286	5.919	6.237	4.73	5.227	5.91	6.558	6.276	7.158	10.463	8.921	14.461
127	5/3/2022	14.963	18.753	17.747	13.484	17.138	24.607	24.314	23.469	22.744	13.787	14.504	18.27	28.94	46.882	51.524	44.733	37.51
128	5/4/2022	26.496	23.982	24.377	27.018	25.8	26.864	24.618	24.604	17.296	17.472	22.594	18.869	20.598	22.155	24.553	26.473	29.656
129	5/5/2022	20.243	25.242	29.145	23.249	17.995	19.72	19.467	20.081	22.387	24.777	27.463	26.773	24.916	22.697	16.239	25.548	42.204
130	5/6/2022	19.237	17.027	12.927	20.912	25.037	25.136	28.094	27.615	21.585	25.867	30.58	35.95	32.295	30.253	27.112	32.358	45.187
131	5/7/2022	34.763	36.302	33.458	32.157	30.039	28.308	34.771	36.517	33.569	43.461	46.767	38.687	35.574	47.795	52.596	52.458	42.217
132	5/8/2022	9.338	8.86	8.147	6.316	6.035	6.914	9.196	9.61	8.095	6.362	6.9	7.326	4.752	6.656	6.903	8.325	8.978
133	5/9/2022	5.84	3.683	3.575	4.606	5.984	5.115	4.449	4.439	6.149	5.32	5.139	5.586	4.778	6.557	6.497	8.195	9.516
134	5/10/2022	10.526	8.771	7.284	7.607	9.028	9.121	8.9	9.544	11.425	9.904	10.98	13.204	15.321	19.284	19.786	19.528	17.586
135	5/11/2022	10.667	13.41	13.529	13.75	13.235	12.104	14.567	17.978	20.33	21.96	26.167	28.008	25.334	27.342	29.507	30.395	33.581

	B	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG
4	measurement date	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945	D_2000	D_2015
92	3/29/2022	73.261	76.912	83.614	83.71	87.109	96.5	102.348	109.47	109.359	113.31	112.027	101.031	103.096	114.967	115.567	113.855	130.843
93	3/30/2022	26.522	25.793	27.091	34.099	34.567	22.657	28.141	33.686	34.21	34.781	36.428	53.597	55.377	63.49	66.13	77.983	84.238
94	3/31/2022	59.845	61.987	62.503	66.383	72.66	84.537	94.49	99.74	100.354	100.105	98.949	96.054	96.51	96.168	100.655	95.534	98.406
95	4/1/2022	23.852	30.018	36.989	33.428	33.334	33.224	36.746	42.802	47.92	50.998	50.501	54.354	69.414	71.892	88.454	100.492	98.612
96	4/2/2022	34.349	49.749	54.847	57.3	61.962	63.144	62.098	68.315	66.769	53.675	50.85	51.675	66.177	82.252	91.343	92.02	93.589
97	4/3/2022	19.774	21.975	18.423	20.672	21.862	22.287	25.98	30.805	39.108	47.871	59.899	62.915	69.219	70.576	83.104	93.354	97.274
98	4/4/2022	18.517	17.163	19.801	23.615	24.126	24.492	29.472	29.364	35.427	43.048	48.215	52.166	56.045	71.374	81.536	86.82	94.129
99	4/5/2022	58.476	52.01	48.997	45.829	53.991	68.408	76.596	74.348	83.665	81.986	74.567	80.278	82.275	69.513	69.703	81.598	85.652
100	4/6/2022	54.933	59.278	43.282	51.907	47.856	57.857	71.464	69.404	76.356	68.044	54.013	43.862	52.625	61.747	82.22	92.563	86.798
101	4/7/2022	14.226	17.727	19.758	23.857	23.449	29.099	37.841	42.121	36.554	55.695	74.418	72.369	63.446	64.316	77.552	88.89	101.587
102	4/8/2022	27.165	26.461	24.319	19.287	26.131	33.351	43.477	48.465	45.991	47.248	53.949	51.48	58.537	79.877	92.651	91.321	91.333
103	4/9/2022	52.081	62.315	58.348	71.482	85.223	72.235	70.842	76.333	78.785	75.906	64.679	65.911	81.8	93.754	93.436	100.995	103.607
104	4/10/2022	14.823	14.423	17.377	18.19	19.728	28.307	33.358	33.491	41.516	40.855	43.341	54.043	58.226	70.811	75.042	82.046	87.155
105	4/11/2022	44.908	49.895	58.46	69.23	67.804	76.981	72.63	76.581	86.05	83.627	84.271	86.134	84.622	92.131	92.813	90.59	91.628
106	4/12/2022	23.518	17.611	14.848	20.873	26.173	25.414	26.474	38.604	40.118	37.89	41.393	42.661	49.716	64.158	69.909	77.196	84.861
107	4/13/2022	46.991	40.283	45.927	40.869	33.057	26.688	23.79	31.842	40.034	45.015	46.974	47.747	59.754	64.632	71.013	76.952	81.582
108	4/14/2022	9.76	9.619	12.668	15.458	14.298	15.401	20.542	22.187	26.832	36.631	37.661	41.896	48.503	50.079	54.652	64.942	69.343
109	4/15/2022	16.538	17.869	20.38	27.984	30.816	34.09	38.462	42.117	50.464	56.778	65.586	60.256	57.309	65.498	64.472	70.909	73.741
110	4/16/2022	11.731	12.711	14.529	14.686	16.726	25.606	27.108	28.759	32.726	46.096	40.58	47.363	52.693	55.99	61.695	73.053	80.535
111	4/17/2022	22.856	26.285	26.747	25.538	28.613	30.808	32.82	33.179	29.448	34.827	37.772	46.67	49.33	54.968	65.09	82.353	92.994
112	4/18/2022	70.414	80.04	76.685	75.683	69.038	69.142	80.79	82.678	76.105	70.572	69.428	71.68	78.729	82.511	92.985	94.411	106.033
113	4/19/2022	23.434	20.485	20.25	22.465	24.324	29.508	34.432	34.779	35.507	36.948	40.917	49.841	51.619	61.183	73.168	78.193	87.201
114	4/20/2022	11.683	12.608	13.977	12.93	18.586	23.739	36.503	33.01	34.538	43.425	50.546	55.465	58.073	68.607	73.489	77.163	84.081
115	4/21/2022	44.611	38.273	28.643	29.264	29.51	29.535	30.571	32.66	37.597	38.458	36.473	47.424	46.24	49.993	58.515	68.164	75.103
116	4/22/2022	9.694	11.384	15.321	14.33	21.74	25.682	27.566	30.736	37.168	39.611	37.51	42.474	54.222	58.033	60.744	64.377	76.536
117	4/23/2022	13.548	11.711	17.16	19.221	21.074	27.18	34.119	33.004	39.419	46.637	58.904	67.386	72.514	80.608	79.684	81.424	94.662
118	4/24/2022	21.155	23.312	30.047	35.927	28.729	35.523	41.588	56.035	55.095	56.566	70.633	79.553	87.814	94.658	98.97	102.887	113.45
119	4/25/2022	39.049	35.975	38.443	40.42	42.662	56.733	56.347	57.142	67.125	73.093	79.092	75.156	79.048	78.178	85.266	95.156	100.651
120	4/26/2022	9.783	11.082	11.909	11.911	14.8	18.085	20.281	21.336	24.617	26.333	34.467	32.119	38.05	43.57	54.351	62.742	68.843
121	4/27/2022	7.23	9.273	10.795	10.799	10.938	15.4	19.734	20.141	28.214	29.839	38.938	49.256	52.163	55.596	58.075	72.192	73.025
122	4/28/2022	6.12	9.914	12.906	11.962	16.477	18.863	26.989	33.468	41.166	41.645	47.406	50.195	54.469	64.178	70.922	75.563	82.128
123	4/29/2022	12.157	17.995	22.915	28.582	26.292	22.107	21.729	24.047	30.13	36.257	44.551	47.647	52.892	66.82	73.215	73.101	68.564
124	4/30/2022	21.474	22.611	23.076	19.74	24.182	32.08	32.971	25.104	30.617	35.548	45.246	53.197	55.485	62.751	70.764	79.83	80.06
125	5/1/2022	12.951	14.44	16.526	21.961	23.219	25.847	30.516	35.941	36.283	44.33	50.221	52.937	67.101	76.442	81.116	83.56	97.462
126	5/2/2022	16.489	16.858	21.969	30.087	33.696	38.734	37.792	43.194	41.15	43.502	48.674	55.823	60.802	66.471	66.801	72.341	85.082
127	5/3/2022	31.489	27.22	24.385	29.994	28.038	36.227	45.99	51.039	44.403	50.259	51.172	58.056	65.648	73.192	81.516	82.907	94.158
128	5/4/2022	28.65	23.184	26.612	28.312	28.05	33.048	39.854	41.781	41.8	46.522	50.94	57.248	65.587	60.944	65.96	79.608	84.554
129	5/5/2022	40.021	32.981	33.176	30.511	41.926	56.85	66.112	58.958	69.884	65.595	62.371	60.725	72.189	72.872	75.723	80.065	81.92
130	5/6/2022	56.868	67.113	74.488	69.105	71.506	66.11	65.576	65.983	68.09	72.833	65.11	66.74	69.693	75.995	76.059	77.483	81.502
131	5/7/2022	39.066	47.291	56.531	44.292	49.123	62.476	70.435	59.266	53.276	44.112	47.705	56.413	53.61	64.29	68.742	74.067	74.932
132	5/8/2022	7.2	10.114	13.616	15.705	21.21	22.931	32.267	36.355	44.356	42.244	42.589	50.052	57.456	57.635	67.394	70.067	81.057
133	5/9/2022	14.119	15.893	16.307	17.332	22.886	26.296	34.345	34.586	46.475	50.494	52.347	53.427	63.11	68.888	76.457	82.93	92.835
134	5/10/2022	22.487	27.832	31.931	36.031	40.492	47.655	53.332	61.042	72.521	81.766	84.851	91.376	107.603	106.762	114.228	123.214	130.194
135	5/11/2022	32.638	37.544	40.901	40.97	48.969	56.78	68.665	69.061	79.405	84.793	99.048	107.664	109.971	117.828	124.252	136.242	142.619

	B	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV
4	measurement date	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345	D_2400
92	3/29/2022	130.934	121.949	120.286	112.605	115.252	119.076	114.553	115.099	114.629	103.528	92.254	96.08	89.492	90.937	87.917
93	3/30/2022	90.046	85.925	80.2	83.493	83.159	82.575	81.457	81.708	76.642	77.965	77.538	72.407	73.277	67.808	65.275
94	3/31/2022	105.084	103.788	99.314	99.145	99.769	97.732	96.81	90.524	94.311	87.352	88.781	91.861	76.218	76.057	75.478
95	4/1/2022	97.558	98.245	103.05	103.671	92.118	91.238	91.714	91.662	92.975	90.904	86.344	87.511	85.977	85.735	81.284
96	4/2/2022	91.692	86.516	90.344	91.318	99.702	94.709	99.552	100.058	95.573	92.404	86.725	87.146	81.746	81.634	82.565
97	4/3/2022	98.885	102.58	103.102	102.902	98.924	96.776	88.387	80.844	80.737	83.898	79.01	76.287	71.627	63.589	63.143
98	4/4/2022	97.59	101.239	96.74	95.906	97.238	94.505	94.609	83.569	85.482	80.858	77.719	78.899	80.702	76.809	77.059
99	4/5/2022	93.705	93.05	92.516	90.821	95.78	92.167	91.385	91.805	84.22	86.471	73.977	73.258	74.523	76.198	75.902
100	4/6/2022	86.167	94.196	95.37	95.141	91.259	82.088	91.596	90.608	84.81	84.518	78.405	82.042	81.452	74.476	72.42
101	4/7/2022	105.168	103.597	99.836	102.269	100.36	101.05	105.204	99.966	87.399	83.361	81.682	82.181	81.892	82.821	81.766
102	4/8/2022	90.164	94.961	101.465	95.115	95.934	94.259	95.749	91.057	91.32	90.808	89.207	92.426	88.288	83.713	76.629
103	4/9/2022	114.422	110.793	108.418	110.247	105.117	103.421	104.644	99.177	88.451	98.784	87.205	85.612	87.634	85.034	89.815
104	4/10/2022	95.864	97.852	93.575	93.418	92.218	86.981	84.548	79.41	79.008	80.63	80.623	80.944	77.288	70.749	65.957
105	4/11/2022	92.875	91.487	94.26	88.319	86.476	78.169	77.955	74.85	72.874	79.14	70.77	70.576	63.728	57.996	63.718
106	4/12/2022	82.93	87.397	84.912	82.111	83.756	83.092	83.143	77.027	77.564	72.426	74.451	70.479	68.08	65.82	63.824
107	4/13/2022	85.016	84.554	84.135	84.83	85.37	83.041	82.673	83.136	78.337	75.978	71.177	66.903	63.991	61.099	63.531
108	4/14/2022	73.268	76.981	78.16	73.129	76.247	78.281	75.766	80.267	77.378	77.677	72.404	68.737	68.437	57.92	61.944
109	4/15/2022	71.302	75.244	79.026	76.811	78.482	77.385	81.686	76.264	78.45	75.268	71.156	66.267	64.817	62.179	63.123
110	4/16/2022	88.127	86.291	80.843	79.967	87.319	81.342	78.675	75.677	76.787	75.776	73.311	77.458	74.43	71.03	66.4
111	4/17/2022	95.015	95.152	102.221	97.389	93.357	97.281	97.268	94.018	93.767	83.78	82.524	83.344	75.882	78.03	72.74
112	4/18/2022	114.859	117.704	113.689	110.845	118.649	102.736	102.953	105.375	107.86	102.717	97.55	99.86	97.114	91.856	83.825
113	4/19/2022	91.608	88.166	93.04	96.408	101.44	97.533	92.283	86.335	88.936	87.107	91.489	87.411	74.537	75.328	75.477
114	4/20/2022	89.273	90.746	89.617	85.396	88.931	85.047	86.268	75.04	75.762	76.771	71.501	74.472	70.468	74.193	65.403
115	4/21/2022	79.853	86.307	88.224	90.288	88.941	81.01	80.815	73.223	74.105	68.241	70.917	67.551	64.972	63.815	59.657
116	4/22/2022	82.577	81.402	81.4	80.498	81.861	83.764	88.336	89.615	83.598	77.014	72.137	72.452	70.733	66.928	64.912
117	4/23/2022	97.081	105.045	97.174	98.215	95.471	98.422	96.142	90.792	90.755	84.122	84.141	85.002	79.889	76.585	74.457
118	4/24/2022	131.848	124.831	115.481	125.918	117.151	117.288	120.189	122.629	122.67	109.212	100.245	98.909	91.144	85.247	81.416
119	4/25/2022	101.212	94.412	90.681	101.421	106.005	98.756	96.941	90.517	85.399	77.921	70.391	73.763	70.272	67.105	58.189
120	4/26/2022	79.195	79.986	82.377	81.592	81.467	85.172	80.855	78.213	80.136	78.689	70.691	69.123	60.56	58.168	54.858
121	4/27/2022	84.013	85.922	90.718	89.777	87.768	86.119	83.834	83.696	75.933	76.091	72.666	64.477	63.274	59.275	59.929
122	4/28/2022	84.78	89.071	93.861	89.233	89.206	87.53	87.792	85.86	80.58	76.865	73.92	69.556	65.749	65.436	62.303
123	4/29/2022	75.11	75.382	78.2	78.603	75.671	80.925	75.76	72.481	69.018	67.215	65.261	65.18	65.991	62.726	60.258
124	4/30/2022	88.76	84.222	87.058	92.737	90.848	86.837	81.447	76.615	82.238	79.435	77.857	76.214	71.694	66.065	62.968
125	5/1/2022	97.874	107.094	107.366	114.024	103.692	101.225	93.752	95.954	89.855	89.861	83.255	80.65	76.753	73.655	68.343
126	5/2/2022	99.4	92.437	90.289	88.346	89.414	84.133	85.986	89.834	86.304	80.854	74.174	70.933	68.255	64.758	65.777
127	5/3/2022	98.657	95.358	100.31	95.293	98.6	95.243	99.296	97.046	88.226	81.201	76.98	74.806	76.135	70.494	66.101
128	5/4/2022	86.924	87.551	86.664	88.56	84.738	84.253	87.329	87.084	84.698	78.957	74.937	76.186	70.226	70.758	65.556
129	5/5/2022	86.958	85.595	85.232	87.537	86.747	80.805	76.961	73.842	73.142	73.456	67.44	67.893	62.327	61.801	62.949
130	5/6/2022	83.116	92.957	87.799	88.421	88.921	91.852	91.926	92.529	87.593	75.203	71.498	73.941	72.989	75.701	74.073
131	5/7/2022	81.114	78.188	86.896	83.771	79.592	81.063	79.521	78.052	79.082	72.807	73.428	71.892	64.278	64.702	61.97
132	5/8/2022	87.99	95.491	104.154	101.165	93.038	96.833	91.561	92.128	87.523	81.245	73.565	70.181	65.549	64.813	58.055
133	5/9/2022	97.967	101.294	100.191	96.183	96.061	97.574	98.909	98.169	88.79	85.352	88.187	81.767	77.464	68.703	66.279
134	5/10/2022	133.853	136.356	137.988	137.707	136.398	134.211	133.196	129.859	121.206	113.583	115.108	111.255	106.584	94.516	93.465
135	5/11/2022	143.348	143.864	151.022	143.788	136.487	135.996	142.94	131.038	126.744	123.989	116.736	120.24	111.461	101.389	94.023

	B	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
4	measurement date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
92	3/29/2022	329	329	312	324	328	364	426	435	368	274	236	178	114	103	90	232	317	395	436	447	504	461	426	364
93	3/30/2022	323	305	301	293	301	334	401	371	284	109	88	59	44	30	38	59	114	119	159	263	340	331	314	279
94	3/31/2022	244	213	202	192	185	208	239	257	231	203	174	153	151	123	149	222	251	351	395	389	407	393	361	320
95	4/1/2022	300	284	294	287	297	324	388	412	335	212	156	121	125	107	95	109	124	146	204	330	397	379	362	341
96	4/2/2022	316	317	307	317	318	332	353	368	267	156	91	68	80	80	91	120	196	256	223	332	362	385	375	333
97	4/3/2022	309	304	275	284	284	310	297	350	302	148	80	64	62	69	51	59	81	101	210	316	402	387	324	275
98	4/4/2022	255	245	253	241	250	292	326	357	329	263	264	187	151	123	142	115	79	107	179	296	390	382	328	313
99	4/5/2022	274	280	275	253	263	282	336	330	308	264	212	228	177	187	147	199	205	273	320	303	365	370	336	300
100	4/6/2022	269	270	259	255	273	297	350	324	288	271	303	174	130	234	236	216	209	247	242	289	363	360	338	310
101	4/7/2022	272	245	251	252	250	279	340	348	257	117	103	57	51	60	59	72	76	133	239	294	410	409	352	329
102	4/8/2022	308	300	292	293	311	326	391	381	229	128	114	109	100	72	112	116	97	151	199	322	378	381	362	341
103	4/9/2022	320	302	311	301	301	315	322	341	309	218	180	198	244	286	239	196	244	305	285	370	437	423	374	348
104	4/10/2022	335	312	303	309	334	348	337	353	245	133	79	55	35	37	36	45	65	115	180	286	374	357	320	295
105	4/11/2022	250	235	235	229	232	251	291	306	249	211	240	89	130	154	98	125	222	294	340	360	370	331	298	256
106	4/12/2022	221	213	204	199	206	226	288	279	187	121	100	91	86	70	130	92	77	117	162	261	340	332	301	268
107	4/13/2022	220	200	190	194	191	200	234	239	228	187	184	157	62	64	148	158	174	115	180	272	335	336	309	256
108	4/14/2022	235	220	212	193	202	205	249	255	166	86	44	27	21	17	19	29	48	72	143	218	298	303	308	257
109	4/15/2022	235	223	229	226	235	259	309	272	183	112	57	29	21	25	25	46	83	145	233	258	299	314	301	256
110	4/16/2022	241	218	200	191	196	194	202	231	222	159	101	131	75	70	59	46	54	98	167	243	336	327	302	289
111	4/17/2022	256	257	248	235	255	261	281	278	209	146	89	68	53	68	65	77	101	125	149	252	385	385	354	310
112	4/18/2022	266	264	261	256	261	293	344	356	328	300	241	215	203	208	250	279	303	302	288	349	452	435	414	373
113	4/19/2022	335	313	333	314	320	358	397	356	233	135	91	85	85	69	71	79	87	123	163	264	360	388	354	313
114	4/20/2022	301	280	274	278	273	328	377	327	273	157	87	78	71	42	39	35	51	112	184	277	354	346	299	285
115	4/21/2022	231	209	206	214	223	240	280	273	276	245	175	137	115	113	123	187	141	122	160	223	329	341	286	256
116	4/22/2022	224	221	208	220	214	234	299	259	186	96	62	33	27	26	22	34	51	106	157	237	322	334	322	275
117	4/23/2022	250	217	199	204	189	176	204	205	164	99	71	48	36	41	39	55	62	115	212	314	394	388	350	316
118	4/24/2022	265	237	232	223	204	215	227	180	143	112	80	57	57	61	69	83	110	162	262	384	486	481	455	357
119	4/25/2022	291	261	243	225	225	231	261	206	166	124	154	132	121	92	115	196	154	213	294	338	387	403	324	269
120	4/26/2022	229	215	198	186	186	205	257	229	134	93	74	60	41	33	27	30	45	75	118	199	310	329	308	243
121	4/27/2022	217	223	219	212	220	257	337	272	173	103	55	38	20	21	19	22	38	66	146	238	334	347	308	247
122	4/28/2022	217	220	209	208	204	233	322	273	152	104	62	38	39	32	38	49	41	96	180	265	350	354	317	263
123	4/29/2022	218	199	190	199	198	213	277	263	200	137	98	59	34	32	25	28	82	94	159	266	297	311	274	254
124	4/30/2022	231	203	195	189	192	192	204	227	175	114	109	84	78	80	95	67	87	114	165	269	340	352	316	277
125	5/1/2022	246	227	214	192	200	200	226	216	239	159	111	63	47	43	33	35	66	116	184	308	410	413	359	299
126	5/2/2022	244	227	208	185	182	206	236	189	129	81	58	22	21	25	24	41	85	153	189	266	367	348	331	270
127	5/3/2022	240	202	202	187	194	205	252	263	236	254	95	48	67	95	76	181	113	161	204	303	388	388	343	288
128	5/4/2022	242	221	207	200	203	205	261	230	218	156	152	121	101	93	80	103	107	143	197	272	346	345	326	283
129	5/5/2022	242	218	208	199	194	207	270	268	199	145	121	90	96	82	104	107	137	224	259	301	340	332	288	255
130	5/6/2022	233	209	202	195	199	219	263	263	164	122	98	79	76	102	125	135	268	269	273	299	345	361	327	297
131	5/7/2022	259	239	231	210	207	201	221	253	216	168	177	157	132	133	164	195	187	241	202	261	321	324	303	263
132	5/8/2022	235	216	210	209	208	228	235	214	153	97	77	50	29	34	25	31	47	113	179	253	369	383	334	259
133	5/9/2022	211	195	189	191	186	197	245	189	135	85	48	24	18	20	21	31	64	118	203	291	392	389	360	294
134	5/10/2022	239	214	206	201	196	207	240	202	112	86	75	54	33	39	49	76	118	203	331	452	538	542	480	406
135	5/11/2022	332	281	261	250	245	246	276	262	195	115	98	72	54	65	101	121	152	243	371	488	581	559	499	427

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
4	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330
136	5/12/2022	5	4	88.961	86.547	76.801	76.691	73.775	75.641	69.492	65.05	62.387	64.085	61.676	57.714	56.675	55.892
137	5/13/2022	5	5	80.208	79.783	77.301	71.248	70.172	65.511	65.4	62.155	62.505	58.75	60.991	59.968	56.135	60.896
138	5/14/2022	5	6	89.804	91.308	88.273	84.881	77.577	76.616	74.499	72.685	72.66	71.26	73.047	67.196	69.274	66.731
139	5/15/2022	5	7	69.364	70.303	68.852	64.584	63.94	63.631	65.958	58.9	56.715	56.774	61.249	57.425	59.128	56.252
140	5/16/2022	5	1	86.16	81.735	77.139	73.917	76.399	71.336	70.637	70.101	71.458	64.975	68.24	62.011	58.474	61.386
141	5/17/2022	5	2	66.543	67.711	66.002	62.452	58.329	56.676	56.986	56.714	55.269	54.708	50.786	50.729	52.195	50.204
142	5/18/2022	5	3	70.711	72.248	68.366	61.769	59.952	58.719	57.134	53.866	55.735	53.025	52.326	53.639	51.491	53.14
143	5/19/2022	5	4	63.597	64.867	60.293	61.935	62.667	57.596	54.734	53.537	52.341	50.809	50.733	49.843	51.769	49.29
144	5/20/2022	5	5	63.839	60.546	58.786	58.254	54.664	52.301	55.265	52.343	49.839	56.867	54.595	55.482	54.536	55.646
145	5/21/2022	5	6	109.43	105.944	104.138	102.389	93.09	88.326	84.581	81.196	82.213	81.416	78.476	75.646	72.94	71.203
146	5/22/2022	5	7	77.074	71.056	70.291	68.831	67.137	61.503	61.051	58.787	59.685	57.888	55.464	56.264	57.428	58.39
147	5/23/2022	5	1	62.822	59.614	57.677	54.531	52.639	54.321	51.726	52.268	51.394	49.985	47.904	46.948	48.203	49.55
148	5/24/2022	5	2	60.418	62.136	58.566	55.607	54.642	55.281	54.655	54.181	53.251	49.408	50.841	51.23	52.209	50.507
149	5/25/2022	5	3	69.182	69.99	70.41	63.908	63.626	63.783	61.844	62.673	59.544	58.191	55.572	55.523	55.855	54.194
150	5/26/2022	5	4	95.681	89.228	87.249	82.584	80.393	75.929	71.608	72.919	69.829	70.879	73.512	70.602	68.529	65.453
151	5/27/2022	5	5	65.088	65.348	59.527	59.72	61.11	62.923	62.03	56.801	55.425	54.55	57.178	54.713	55.09	51.874
152	5/28/2022	5	6	64.538	62.328	58.504	60.947	63.736	57.075	58.501	59.751	57.077	57.69	55.655	53.659	53.872	54.128
153	5/29/2022	5	7	79.69	75.275	71.65	68.853	67.413	64.187	64.32	60.08	58.42	57.406	57.231	55.243	53.706	52.685
154	5/30/2022	5	1	80.322	79.315	77.612	71.879	75.176	71.116	71.433	68.172	64.756	62.765	63.408	58.494	57.255	57.965
155	5/31/2022	5	2	110.901	105.377	99.691	95.451	98.284	92.292	88.09	84.533	85.824	84.542	83.229	84.079	79.743	78.738
156	6/1/2022	6	3	116.325	111.204	109.923	103.823	100.202	96.761	94.045	94.911	92.941	91.686	90.112	88.042	84.615	85.281
157	6/2/2022	6	4	117.738	112.407	105.353	105.277	94.786	100.541	97.045	91.488	85.807	83.937	81.932	79.886	77.963	74.983
158	6/3/2022	6	5	77.254	76.135	73.857	64.337	62.469	65.465	62.578	60.344	61.156	62.141	59.857	57.737	58.128	58.989
159	6/4/2022	6	6	84.701	79.037	74.838	70.6	72.246	71.061	66.298	63.354	63.838	62.742	59.259	59.768	60.524	60.785
160	6/5/2022	6	7	81.932	77.118	74.272	73.571	71.038	71.576	71.269	67.724	65.706	62.433	59.28	58.088	57.262	58.289
161	6/6/2022	6	1	95.038	87.675	85.438	78.871	73.611	70.941	73.695	70.287	75.326	69.224	68.544	64.29	65.679	67.093
162	6/7/2022	6	2	75.66	73.072	73.113	68.832	67.64	63.705	63.867	61.315	59.15	61.534	60.695	59.16	56.67	56.074
163	6/8/2022	6	3	90.006	86.283	83.175	83.438	74.386	74.46	75.097	73.209	70.435	63.73	63.008	61.173	62.527	65.63
164	6/9/2022	6	4	76.18	73.456	71.958	66.845	64.284	64.517	62.559	58.676	61.377	60.581	59.994	56.817	52.79	52.272
165	6/10/2022	6	5	77.653	76.862	75.96	72.498	70.053	64.517	64.746	65.37	65.255	64.679	64.577	62.574	62.011	56.215
166	6/11/2022	6	6	72.491	65.368	64.757	60.9	59.465	57.932	59.601	56.48	54.642	53.813	54.039	53.945	52.165	53.844
167	6/12/2022	6	7	88.541	82.198	77.181	81.559	77.699	73.732	74.417	70.552	66.537	67.069	65.767	61.22	61.362	61.027
168	6/13/2022	6	1	107.374	100.773	97.782	95.351	93.507	89.703	88.278	86.94	80.059	83.654	82.459	80.32	74.619	78.755
169	6/14/2022	6	2	100.959	96.854	96.127	94.103	91.687	84.734	81.684	82.399	81.866	80.693	78.834	81.16	80.171	75.59
170	6/15/2022	6	3	145.077	140.505	136.451	131.649	135.469	129.865	126.521	122.605	125.14	118.163	118.655	115.067	111.614	114.901
171	6/16/2022	6	4	150.714	148.851	140.071	134.954	131.125	131.574	130.785	133.401	123.019	118.487	119.991	112.464	120.612	116.511
172	6/17/2022	6	5	145.874	141.208	137.5	133.037	135.372	132.457	125.773	119.619	125.755	118.592	117.022	114.138	117.408	109.835
173	6/18/2022	6	6	115.831	108.331	104.659	100.458	96.393	92.074	90.268	90.538	86.487	82.303	79.022	75.106	77.36	73.403
174	6/19/2022	6	7	82.312	72.372	71.455	69.868	68.006	66.348	59.86	60.329	58.257	60.685	61.765	59.029	57.332	54.448
175	6/20/2022	6	1	72.366	72.264	66.438	65.863	60.312	62.034	59.013	57.66	57.176	59.129	56.222	58.114	57.507	53.698
176	6/21/2022	6	2	87.332	85.195	87.282	81.582	76.796	74.401	73.279	72.547	68.784	68.079	65.858	64.069	62.332	57.581
177	6/22/2022	6	3	128.575	123.187	116.428	110.922	106.677	105.532	107.577	97.712	94.807	95.291	95.418	89.951	86.412	86.224
178	6/23/2022	6	4	101.998	98.04	91.579	88.203	85.64	83.876	80.798	76.917	76.671	75.259	72.461	68.274	66.174	67.816
179	6/24/2022	6	5	100.041	99.173	92.687	93.609	88.235	85.096	77.884	77.497	73.266	71.954	70.107	68.869	70.594	66.781

	B	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
4	measurement date	D_0345	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730
136	5/12/2022	55.769	56.517	58.31	53.928	51.802	51.574	52.83	55.679	61.139	61.649	59.504	65.203	63.171	62.719	55.013	48.545
137	5/13/2022	57.895	58.005	57.914	55.289	56.535	55.548	54.963	52.966	53.34	59.999	59.895	62.273	66.336	64.816	58.355	59.5
138	5/14/2022	63.216	64.465	62.399	60.226	57.432	59.755	56.243	54.51	56.729	54.815	57.649	58.573	54.991	47.819	45.28	48.863
139	5/15/2022	54.196	54.906	53.237	51.884	51.16	49.573	53.044	50.736	51.968	50.648	52.263	50.437	51.092	45.55	36.969	35.344
140	5/16/2022	58.981	58.68	56.881	57.951	58.667	56.4	56.783	56.808	58.435	61.192	62.505	66.638	72.853	74.837	63.214	55.592
141	5/17/2022	50.957	48.323	52.355	48.604	48.005	45.449	47.569	49.684	48.646	52.722	59.861	56.934	58.22	53.07	49.61	44.728
142	5/18/2022	50.307	52.628	50.104	48.914	54.985	53.517	54.035	50.755	54.975	58.4	59.876	64.644	63.931	61.983	61.201	70.824
143	5/19/2022	47.189	49.949	48.36	48.973	48.702	46.697	51.681	48.134	51.38	52.652	59.082	64.866	60.876	63.443	58.489	53.846
144	5/20/2022	51.262	50.857	53.989	50.075	54.048	57.095	53.475	55.144	56.016	56.567	57.158	61.76	59.734	65.44	61.514	57.699
145	5/21/2022	71.985	71.801	68.775	69.809	72.218	71.218	70.826	71.232	67.953	70.74	67.025	66.278	68.06	64.65	56.357	52.641
146	5/22/2022	59.741	57.971	53.853	54.537	54.714	53.837	53.407	54.525	51.637	51.809	53.539	56.757	61.211	58.322	56.092	54.211
147	5/23/2022	47.425	48.022	48.977	47.385	48.275	49.694	50.555	52.896	54.207	54.219	57.434	61.671	57.338	59.844	53.067	50.799
148	5/24/2022	48.415	46.896	47.981	46.609	50.49	52.299	52.142	52.451	56.274	55.625	61.334	66.268	63.3	55.692	49.489	45.489
149	5/25/2022	52.6	51.295	49.391	50.488	49.762	51.829	51.801	53.697	55.657	60.098	61.175	63.181	60.667	58.303	55.822	50.484
150	5/26/2022	63.889	66.885	67.052	69.631	67.897	69.519	65.193	63.29	66.348	66.653	65.345	72.996	72.184	72.883	70.423	70.896
151	5/27/2022	52.336	51.299	51.363	50.464	49.133	48.882	50.883	50.053	51.244	56.356	56.549	61.648	57.948	62.298	53.774	49.771
152	5/28/2022	52.145	54.394	52.165	50.365	50.54	52.204	50.426	53.144	53.49	51.668	50.017	54.042	53.249	50.069	46.03	41.547
153	5/29/2022	53.758	54.801	54.003	53.46	54.757	51.047	54.81	50.02	53.069	50.992	47.789	50.924	48.601	42.159	38.317	39.805
154	5/30/2022	58.455	57.232	56.611	54.986	56.54	55.356	54.83	56.326	56.729	55.24	53.15	59.145	53.609	52.864	47.924	41.181
155	5/31/2022	74.021	74.328	72.281	73.348	72.821	70.586	72.519	69.248	67.152	71.052	76.042	73.703	65.793	68.243	65.52	63.488
156	6/1/2022	78.809	81.053	73.963	75.793	72.333	71.165	69.666	70.905	71.706	73.294	73.888	75.368	68.893	67.787	67.629	63.664
157	6/2/2022	75.261	73.217	75.732	74.011	72.59	70.802	73.98	70.306	69.658	77.925	75.27	75.281	72.036	72.875	66.403	58.116
158	6/3/2022	55.017	53.71	55.507	52.343	52.638	52.995	55.154	55.52	55.477	57.364	57.46	57.04	54.56	55.354	48.684	46.24
159	6/4/2022	57.561	56.614	56.239	53.9	53.755	51.87	50.481	52.457	54.794	51.626	55.023	56.05	48.476	45.996	40.085	37.763
160	6/5/2022	57.506	56.89	55.209	56.905	56.669	52.226	52.45	51.75	53.608	52.132	55.273	53.034	49.016	41.882	39.54	40.329
161	6/6/2022	65.881	62.742	62.349	63.114	63.867	60.862	61.395	64.561	60.69	60.452	64.944	67.343	64.719	61.848	51.674	45.533
162	6/7/2022	55.816	53.375	53.195	51.625	53.098	54.132	51.214	56.725	52.99	55.288	65.832	68.935	66.648	62.327	66.023	62.252
163	6/8/2022	61.431	58.904	59.351	58.637	58.999	58.344	55.249	58.009	59.477	58.834	62.46	63.078	59.43	53.568	52.59	43.877
164	6/9/2022	53.158	52.887	52.573	53.132	50.822	49.534	50.403	52.821	56.587	57.66	56.259	61.275	54.525	53.917	50.248	49.805
165	6/10/2022	55.572	56.079	55.017	56.501	54.923	53.772	54.599	54.301	53.857	57.878	58.221	59.167	56.26	50.71	43.356	37.7
166	6/11/2022	50.118	51.325	50.65	49.417	47.749	47.906	48.392	49.408	51.566	53.59	54.85	53.483	49.219	49.147	50.424	38.161
167	6/12/2022	64.669	57.837	58.303	58.879	57.297	60.032	55.751	55.96	55.881	56.696	55.641	58.205	58.288	57.775	49.833	44.833
168	6/13/2022	82.839	79.261	71.946	77.69	73.955	71.405	69.728	71.318	69.3	72.334	79.78	80.524	70.942	67.306	66.285	72.424
169	6/14/2022	75.261	74.62	72.651	72.936	72.188	72.125	70.163	79.711	76.6	76.343	73.081	78.237	77.835	79.317	71.137	70.237
170	6/15/2022	112.789	106.129	104.576	107.765	105.866	106.099	102.143	99.598	100.07	98.454	98.43	94.328	92.579	87.564	86.537	79.341
171	6/16/2022	109.895	109.349	114.26	106.714	103.258	105.526	104.379	98.899	103.732	98.155	100.754	102.287	97.188	100.135	91.622	81.948
172	6/17/2022	111.929	107.969	109.405	108.397	101.798	105.089	101.342	95.351	98.975	99.418	96.564	91.514	98.502	95.186	88.064	89.187
173	6/18/2022	72.226	69.618	65.244	66.09	62.998	62.446	64.068	61.782	61.12	60.78	60.702	59.042	60.205	53.617	55.365	51.939
174	6/19/2022	53.648	52.746	53.227	54.882	53.657	52.819	51.4	50.403	50.894	50.191	50.935	48.751	47.977	44.519	45.432	39.316
175	6/20/2022	55.61	52.881	54.842	54.106	52.363	57.118	58.065	54.826	54.584	55.356	58.156	56.231	53.093	47.609	45.631	40.321
176	6/21/2022	59.135	58.722	56.387	55.455	56.592	55.281	56.357	59.988	56.404	58.118	55.441	55.255	51.602	51.239	49.245	41.392
177	6/22/2022	88.488	86.436	86.269	80.434	82.28	80.498	73.617	73.063	75.117	74.657	76.599	78.561	69.41	69.303	66.326	70.358
178	6/23/2022	67.675	63.75	64.9	62.562	62.005	60.97	60.774	61.941	64.179	60.33	60.299	65.57	62.811	62.219	59.306	55.198
179	6/24/2022	64.923	61.196	58.158	59.082	59.665	60.038	58.694	56.682	59.38	62.268	58.583	57.53	57.446	57.808	51.509	49.19

	B	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY
4	measurement date	D_0745	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
136	5/12/2022	41.1	38.324	35.194	31.059	25.095	19.52	20.797	17.234	18.458	21.686	15.59	13.987	12.202	11.718	10.462	9.05	7.541
137	5/13/2022	52.708	46.244	40.791	39.007	33.805	30.322	29.436	26.66	23.123	18.848	16.648	13.224	14.038	13.201	15.604	11.276	11.523
138	5/14/2022	44.024	48.965	48.103	40.496	36.471	34.82	37.702	35.875	32.743	31.87	25.284	25.456	24.764	27.712	22.015	19.244	20.013
139	5/15/2022	28.111	27.886	28.926	33.432	39.344	32.196	24.776	23.928	21.688	20.028	19.201	20.722	18.966	17.565	18.131	15.847	18.914
140	5/16/2022	50.744	48.505	55.857	51.402	42.239	35.973	28.491	21.367	21.872	21.784	19.05	15.685	19.048	13.982	10.319	9.83	8.803
141	5/17/2022	41.22	34.462	29.103	27.158	28.417	26.636	21.416	17.608	19.019	19.68	16.788	14.001	13.911	10.893	8.796	11.312	12.42
142	5/18/2022	69.459	66.695	61.719	55.38	46.32	38.687	44.836	40.476	28.669	34.253	24.809	19.331	17.699	15.322	17.338	18.795	12.922
143	5/19/2022	47.768	41.625	43.989	43.53	37.529	38.243	37.603	42.142	38.73	30.838	26.329	23.269	25.009	25.532	18.701	17.151	16.022
144	5/20/2022	52.002	49.244	46.356	40.867	35.68	27.116	25.113	18.656	21.757	21.206	17.852	16.655	15.379	18.156	13.865	14.649	18.216
145	5/21/2022	55.585	50.735	50.651	54.274	44.344	46.236	46.686	39.918	35.176	36.263	24.775	28.326	28.053	25.052	22.231	18.55	21.823
146	5/22/2022	57.473	56.763	54.958	60.894	59.108	62.19	64.873	62.022	52.428	49.132	55.993	56.294	52.505	45.512	40.041	37.655	34.434
147	5/23/2022	44.392	42.524	36.852	37.548	35.23	36.084	32.94	37.413	35.362	30.454	28.996	32.104	31.5	28.695	26.785	22.712	23.711
148	5/24/2022	39.947	34.653	33.712	29.02	23.086	20.119	19.307	14.847	15.032	10.998	12.649	10.512	8.818	9.477	8.09	9.369	6.376
149	5/25/2022	50.624	41.43	37.524	30.551	29.042	32.4	32.137	28.671	19.588	27.783	26.443	19.891	11.137	8.135	8.063	6.992	8.741
150	5/26/2022	67.545	53.718	50.922	54.531	56.718	53.637	53.03	49.735	46.591	39.974	42.582	33.906	34.942	28.58	35.711	33.601	30.048
151	5/27/2022	45.683	40.287	34.864	29.479	30.264	42.039	33.017	32.471	28.405	28.61	30.058	32.219	32.041	31.174	30.718	21.967	17.674
152	5/28/2022	43.76	39.879	34.719	31.789	34.788	32.245	28.155	23.594	23.325	23.35	23.697	20.398	19.404	18.39	22.848	21.072	17.683
153	5/29/2022	34.933	34.918	32.578	27.062	29.361	25.034	25.834	20.325	19.39	15.792	18.141	18.985	18.259	14.828	12.039	13.288	12.524
154	5/30/2022	41.66	43.343	42.89	39.224	37.432	39.407	37.008	35.284	32.946	31.76	30.915	25.389	24.757	25.67	23.435	20.065	18.101
155	5/31/2022	57.119	55.081	52.673	54.548	48.34	43.816	38.682	38.238	34.23	31.314	28.885	29.207	26.966	25.405	21.399	21.118	22.268
156	6/1/2022	62.967	58.556	53.654	52.035	45.833	36.402	35.226	37.433	31.391	32.014	28.845	29.803	26.86	25.766	22.052	23.17	24.608
157	6/2/2022	64.57	57.706	51.635	52.695	53.681	48.706	48.731	51.86	43.725	44.438	43.221	37.857	51.792	63.932	60.465	39.031	32.478
158	6/3/2022	36.946	40.668	34.785	33.686	27.603	30.637	27.842	23.852	20.669	20.458	18.446	15.672	13.078	12.725	14.278	12.562	11.036
159	6/4/2022	35.265	37.337	38.415	30.993	24.73	25.752	23.079	22.365	19.982	16.663	15.496	15.443	12.038	11.189	10.47	11.817	10.817
160	6/5/2022	31.636	25.932	26.314	32.406	26.646	24.986	26.193	23.432	21.693	20.827	18.555	20.631	18.382	17.809	14.943	10.568	11.774
161	6/6/2022	47.902	46.412	38.275	43.718	39.314	32.249	30.908	25.789	21.878	25.596	31.147	35.21	30.956	25.675	22.08	21.94	19.064
162	6/7/2022	65.693	59.482	46.963	42.261	45.207	41.395	30.084	25.783	26.219	28.936	25.026	32.921	23.401	23.028	26.94	29.272	26.827
163	6/8/2022	44.725	39.118	36.986	33.801	25.385	30.903	29.262	26.996	25.469	20.249	19.253	23.559	18.228	12.857	15.64	11.185	12.258
164	6/9/2022	45.53	52.464	47.879	44.011	36.883	24.744	23.406	20.569	20.018	22.57	20.086	20.127	25.54	26.994	26.826	21.721	17.626
165	6/10/2022	36.034	47.053	36.549	31.549	29.97	25.882	22.383	25.355	20.471	20.743	19.73	16.679	18.329	16.496	20.46	28.809	36.712
166	6/11/2022	27.823	23.055	25.347	30.269	28.769	23.471	24.628	22.025	22.32	20.985	28.179	24.157	21.125	19.393	21.146	19.281	19.167
167	6/12/2022	40.935	44.386	42.291	35.494	36.323	41.162	36.474	31.244	29.495	32.328	33.146	36.393	34.254	37.129	48.98	45.751	53.696
168	6/13/2022	66.957	60.129	60.851	57.234	47.91	46.79	47.223	45.871	49.78	46.097	43.808	36.57	36.975	41.657	49.691	50.074	53.69
169	6/14/2022	64.732	62.76	58.744	61.913	61.702	62.621	52.937	42.833	42.714	41.108	39.211	38.917	33.777	29.315	29.597	27.814	28.636
170	6/15/2022	82.184	79.828	72.785	78.955	66.198	57.228	46.973	46.005	42.607	42.699	39.496	39.869	35.054	36.229	33.078	28.437	27.751
171	6/16/2022	83.358	76.993	71.447	72.709	65.788	58.644	48.606	47.51	43.254	42.457	37.962	37.627	30.614	29.161	29.102	24.698	25.619
172	6/17/2022	81.919	81.123	72.056	73.553	70.858	61.661	58.412	54.972	59.918	50.39	51.28	50.755	44.972	48.939	61.869	70.392	83.4
173	6/18/2022	45.732	46.066	43.823	39.168	37.272	33.098	26.293	23.749	27.059	19.905	17.032	12.803	10.951	11.614	10.861	8.301	10.388
174	6/19/2022	38.022	36.404	31.479	27.613	25.285	25.076	23.999	22.26	21.313	16.762	17.331	17.97	13.625	11.875	13.451	11.061	13.488
175	6/20/2022	37.405	36.376	37.243	35.227	34.062	27.285	20.68	21.938	20.064	18.034	17.097	20.764	14.554	12.661	11.441	14.495	11.867
176	6/21/2022	39.289	44.895	39.687	35.251	31.047	28.366	26.273	24.733	25.539	25.253	24.757	18.681	18.259	19.296	19.52	21.794	17.701
177	6/22/2022	63.441	57.889	57.775	54.786	51.429	46.165	45.553	39.673	44.163	40.097	36.223	34.512	31.31	23.791	22.958	25.052	28.692
178	6/23/2022	55.383	50.615	50.729	46.815	47.842	36.074	31.55	29.334	26.587	25.498	20.895	17.098	16.949	16.16	13.798	12.839	12.643
179	6/24/2022	47.453	45.225	42.398	39.56	39.037	35.703	36.291	27.38	24.622	25.767	19.837	19.357	19.531	14.043	12.348	13.84	10.958

	B	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
4	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545	D_1600
136	5/12/2022	6.713	8.551	9.272	8.48	8.289	9.367	8.721	10.148	9.28	9.36	10.068	10.096	13.923	12.048	14.255	18.156	23.976
137	5/13/2022	9.569	7.688	6.939	8.596	9.097	11.123	9.31	9.245	9.67	10.832	12.288	13.911	13.082	18.616	16.718	20.116	23.484
138	5/14/2022	23.208	30.281	37.439	41.707	46.25	40.983	44.112	44.827	45.6	47.835	47.641	49.443	43.676	34.491	36.365	38.991	30.929
139	5/15/2022	21.953	17.011	13.879	13.899	16.005	18.455	21.577	21.739	15.782	15.617	16.054	17.776	18.866	20.469	22.835	23.351	24.311
140	5/16/2022	9.316	8.627	6.717	5.706	7.793	8.952	8.684	12.969	12.236	13.856	14.5	14.876	18.828	15.771	20.25	24.233	28.737
141	5/17/2022	11.436	10.097	10.005	6.97	6.315	7.739	10.754	10.335	9.33	14.068	9.968	12.077	14.279	14.682	14.929	18.339	17.705
142	5/18/2022	14.668	12.791	8.154	12.417	22.889	23.453	16.376	14.792	13.969	15.718	14.563	22.976	25.433	23.939	39.926	40.664	31.75
143	5/19/2022	17.631	18.034	14.737	15.524	14.535	14.774	15.532	12.942	15.42	12.921	11.058	14.825	16.268	15.882	16.477	18.579	21.856
144	5/20/2022	15.892	16.491	16.961	14.287	13.659	13.606	15.883	15.432	14.724	15.092	14.678	14.756	15.737	17.959	19.334	22.839	24.493
145	5/21/2022	27.35	33.708	44.35	51.779	43.702	43.675	44.453	44.567	62.562	94.202	124.646	124.581	123.13	117.461	110.117	103.795	95.468
146	5/22/2022	28.138	28.403	24.853	18.435	18.11	24.991	35.606	41.973	36.455	33.227	32.041	29.308	30.226	34.179	26.5	31.397	39.251
147	5/23/2022	25.219	23.224	23.968	27.727	27.755	23.192	22.517	25.558	22.52	22.398	20.971	18.295	17.936	19.094	18.494	18.021	26.509
148	5/24/2022	5.508	4.786	5.896	5.833	8.675	10.011	9.981	6.699	6.285	5.379	6.87	7.784	8.117	12.138	11.053	9.116	11.195
149	5/25/2022	12.861	12.11	12.423	12.869	14.546	19.294	13.933	18.529	21.565	25.42	25.621	21.892	23.585	24.262	25.869	36.149	44.445
150	5/26/2022	33.137	33.401	21.552	26.574	27.693	48.151	51.221	40.969	39.229	52.465	51.071	47.325	41.136	32.246	19.688	30.56	36.626
151	5/27/2022	17.391	15.06	22.57	25.189	19.755	22.136	23.061	22.351	15.248	16.746	17.147	26.025	29.497	24.709	22.49	29.241	35.166
152	5/28/2022	15.47	13.487	14.351	21.117	21.968	15.274	14.467	12.385	11.988	12.41	11.86	14.51	19.138	22.662	22.453	29.029	27.834
153	5/29/2022	10.286	12.698	16.745	17.834	13.783	13.787	15.114	15.535	14.112	12.041	14.669	14.633	13.002	14.872	17.519	20.254	22.608
154	5/30/2022	19.328	19.827	19.712	19.647	21.505	24.763	32.102	35.31	31.323	36.375	38.044	36.447	39.598	40.347	40.773	37.729	39.344
155	5/31/2022	21.976	19.457	21.745	23.06	29.401	32.507	34.67	31.048	32.36	36.221	32.367	32.336	34.254	44.014	47.334	46.996	46.218
156	6/1/2022	30.812	36.38	41.853	42.081	35.57	33.78	37.003	40.66	39.405	30.676	31.943	32.38	29.934	34.475	36.289	42.202	47.634
157	6/2/2022	31.621	28.83	27.819	31.445	23.718	24.477	22.733	20.449	18.005	22.739	27.454	23.433	21.184	20.868	29.561	38.617	41.241
158	6/3/2022	10.647	8.069	9.675	10.142	10.982	9.127	10.058	9.613	10.679	12.297	15.35	14.654	13.886	16.544	16.004	19.265	23.135
159	6/4/2022	12.14	9.698	8.982	10.764	10.843	10.986	13.676	17.471	17.396	15.185	17.346	18.889	17.202	15.993	16.255	16.414	20.096
160	6/5/2022	11.796	11.855	11.12	10.208	11.502	15.826	18.921	19.829	21.284	24.393	21.331	25.961	26.913	28.898	27.439	29.192	30.443
161	6/6/2022	40.838	57.162	68.732	83.683	73.092	48.458	20.749	16.832	14.49	13.306	17.052	16.185	20.465	32.366	52.73	74.108	97.805
162	6/7/2022	18.377	18.888	28.496	26.805	17.187	28.568	29.823	21.772	36.517	40.054	26.808	29.379	32.152	35.051	40.05	37.197	39.814
163	6/8/2022	18.594	19.617	20.144	26.259	23.655	21.997	21.599	23.291	30.512	51.536	77.382	59.57	50.452	66.41	57.732	63.909	68.369
164	6/9/2022	15.127	20.207	20.954	19.741	16.791	14.179	11.512	13.309	16.003	16.647	16.611	20.499	20.606	15.338	14.192	14.17	17.912
165	6/10/2022	36.786	32.783	29.512	29.65	34.352	36.449	37.406	40.704	41.898	42.039	46.868	51.902	48.987	43.658	40.328	42.972	42.084
166	6/11/2022	16.623	13.82	12.427	12.34	11.237	14.233	16.191	19.17	19.465	22.475	24.589	24.397	33.552	32.371	35.19	41.164	50.37
167	6/12/2022	63.06	62.572	63.406	57.926	58.397	53.526	59.513	63.002	69.371	61.976	69.941	71.293	75.995	59.598	45.35	47.216	63.506
168	6/13/2022	52.989	53.179	54.246	51.407	47.923	51.067	45.402	43.21	50.352	43.785	37.206	42.861	48.857	54.051	68.379	70.651	65.856
169	6/14/2022	26.788	25.188	23.442	24.484	21.302	20.718	23.532	22.718	26.419	28.506	27.838	31.07	30.707	33.915	36.372	38.91	41.873
170	6/15/2022	25.584	25.722	27.829	26.101	25.824	24.637	27.185	25.737	29.343	32.997	35.634	38.069	35.75	38.624	38.114	42.135	47.856
171	6/16/2022	26.556	26.798	25.602	21.495	21.793	23.781	24.628	25.463	23.74	28.384	34.515	37.747	41.728	52.298	65.146	66.004	57.515
172	6/17/2022	94.531	104.668	99.875	92.67	88.649	78.336	64.731	38.132	29.593	36.037	24.861	25.064	25.077	30.2	34.349	36.288	38.993
173	6/18/2022	7.49	8.076	7.068	6.328	7.238	7.894	5.605	7.813	9.567	9.738	10.231	10.647	14.237	13.119	14.689	16.931	16.486
174	6/19/2022	13.157	11.496	7.008	8.268	9.629	7.972	6.619	5.281	5.97	8.156	10.21	8.287	7.796	8.734	7.567	9.653	10.589
175	6/20/2022	11.371	14.445	15.513	22.273	26.082	20.948	20.759	19.427	17.678	16.379	18.956	22.43	24.403	23.811	23.67	23.156	27.349
176	6/21/2022	15.781	14.802	16.721	17.026	17.873	19.894	17.976	16.593	17.678	17.465	22.045	24.272	25.973	24.427	27.59	32.627	35.486
177	6/22/2022	23.184	21.936	23.505	24.242	24.192	29.967	33.34	42.709	48.118	46.983	47.552	59.505	58.302	59.319	60.91	60.453	60.267
178	6/23/2022	11.894	11.067	11.096	10.535	11.074	11.326	12.629	13.083	13.871	17.224	19.462	18.37	21.043	21.602	23.371	25.782	32.086
179	6/24/2022	12.369	11.672	12.316	10.551	13.978	14.174	13.866	14.537	12.987	16.892	16.957	15.652	17.343	21.073	20.997	22.903	23.668

	B	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG
4	measurement date	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945	D_2000	D_2015
136	5/12/2022	27.573	31.96	35.122	38.522	42.499	48.161	58.546	65.559	67.161	70.598	80.562	86.776	100.503	107.708	115.563	116.774	123.752
137	5/13/2022	29.959	35.561	36.232	34.281	44.033	50.465	58.94	66.67	71.593	81.951	82.072	86.871	88.481	106.315	109.628	118.978	127.926
138	5/14/2022	31.495	27.892	36.845	47.945	42.758	42.462	50.376	64.922	69.819	87.08	90.051	104.439	110.568	114.319	119.203	111.892	112.286
139	5/15/2022	26.442	31.245	38.298	43.789	50.763	58.213	63.776	75.788	80.385	104.161	109.68	98.728	100.254	115.425	121.183	126.885	131.432
140	5/16/2022	26.327	30.41	32.985	36.661	40.221	41.461	43.247	52.802	53.511	58.371	61.518	68.864	73.838	75.22	85.708	95.444	99.91
141	5/17/2022	18.112	20.454	25.217	25.75	37.31	44.887	44.169	52.87	58.527	64.483	75.985	87.889	93.727	101.264	100.875	98.944	104.926
142	5/18/2022	46.117	58.107	68.788	70.015	74.279	80.02	80.439	80.022	78.471	80.121	86.393	90.998	96.471	94.67	94.058	92.89	96.321
143	5/19/2022	25.901	33.756	41.472	45.847	50.84	59.215	62.227	78.631	90.108	89.797	98.451	105.542	105.345	111.375	118.795	120.688	113.816
144	5/20/2022	27.005	25.06	32.432	38.338	52.398	59.265	66.807	71.326	82.055	89.426	101.406	106.75	108.94	116.478	127.194	127.645	135.744
145	5/21/2022	76.036	73.471	75.023	76.206	84.573	93.855	119.939	113.189	115.574	110.063	101.763	98.408	93.365	97.419	88.987	88.854	96.391
146	5/22/2022	31.22	28.766	31.574	36.017	38.748	39.295	40.901	41.919	49.757	53.229	66.626	72.065	76.655	76.418	79.863	83.228	98.917
147	5/23/2022	30.281	39.433	39.741	40.097	51.946	53.766	49.784	48.831	45.485	56.617	62.849	56.361	46.277	50.786	51.992	66.921	74.096
148	5/24/2022	15.06	18.3	18.851	15.383	22.787	24.394	35.632	38.201	37.726	40.473	46.42	54.359	58.598	68.605	83.325	83.831	88.595
149	5/25/2022	62.653	71.192	59.762	53.03	67.871	107.432	96.42	80.279	86.11	89.352	98.519	114.503	113.22	105.919	111.758	118.537	121.727
150	5/26/2022	42.195	49.748	64.688	71.964	83.322	85.843	86.432	85.303	91.594	88.936	72.555	77.895	87.413	86.423	92.426	95.441	101.879
151	5/27/2022	41.491	52.885	56.457	58.308	54.816	50.621	41.783	34.791	45.168	62.568	64.69	67.826	77.639	83.121	84.126	83.385	73.341
152	5/28/2022	24.354	25.359	27.691	28.978	28.812	37.217	43.036	43.259	46.93	47.427	55.829	57.941	61.731	68.631	73.654	79.996	86.731
153	5/29/2022	26	28.03	30.619	32.177	39.915	48.487	50.487	56.219	64.826	73.969	82.139	85.792	92.136	104.877	106.567	113.329	111.598
154	5/30/2022	46.583	50.215	54.7	57.075	59.578	64.512	71.869	76.909	82.301	97.535	104.833	109.785	126.457	131.198	140.719	145.528	150.219
155	5/31/2022	56.473	58.273	61.298	71.125	69.556	77.703	80.313	90.523	101.765	110.06	113.798	121.367	131.142	143.947	148.985	154.787	160.842
156	6/1/2022	52.996	63.629	68.095	78.09	95.285	107.495	113.203	105.581	118.616	135.689	128.116	123.459	137.675	138.712	138.167	146.734	159.091
157	6/2/2022	39.736	36.462	36.83	40.713	36.398	34.506	43.444	47.246	63.727	59.435	66.513	78.919	84.413	83.186	79.877	93.45	103.688
158	6/3/2022	23.319	24.807	27.857	33.646	39.926	42.753	44.361	46.965	55.147	64.126	68.625	81.053	82.697	89.704	93.021	105.859	98.741
159	6/4/2022	21.516	23.378	32.25	35.534	37.907	46.891	48.024	53.944	58.337	66.742	69.98	80.439	90.345	94.511	100.236	103.818	104.511
160	6/5/2022	37.475	37.068	41.419	44.637	43.881	53.956	64.509	80.477	77.758	85.703	94.672	94.642	100.61	116.502	126.017	131.499	131.288
161	6/6/2022	108.519	102.989	96.261	81.041	89.439	96.776	94.445	84.652	83.025	90.56	73.777	72.053	74.732	91.433	95.657	100.471	105.4
162	6/7/2022	28.907	31.446	38.887	46.849	49.805	53.126	62.113	67.248	76.12	88.926	96.228	98.214	89.676	101.341	107.003	112.276	119.838
163	6/8/2022	80.513	95.121	80.379	65.357	75.887	88.595	96.1	106.273	115.797	112.946	97.259	100.692	107.254	107.949	85.263	76.547	82.069
164	6/9/2022	17.659	18.384	22.196	24.083	26.705	39.746	43.387	49.519	56.283	57.615	59.629	65.125	69.208	77.949	88.666	100.068	96.927
165	6/10/2022	41.08	40.893	53.76	58.835	57.118	54.438	42.389	35.806	36.311	51.375	58.684	66.274	79.132	90.642	90.506	90.669	91.496
166	6/11/2022	46.975	38.265	38.617	43.77	33.957	42.336	62.457	51.721	56.655	60.436	69.837	84.59	98.187	101.635	102.615	108.685	107.36
167	6/12/2022	61.217	48.778	45.052	42.051	43.765	49.997	52.891	63.869	69.895	82.486	87.199	96.501	112.252	119.824	127.079	138.81	135.15
168	6/13/2022	76.707	121.384	140.207	151.525	173.109	182.134	184.388	194.05	188.076	163.953	154.23	146.1	148.93	147.052	153.079	150.002	149.27
169	6/14/2022	43.464	52.333	58.824	66.618	76.482	82.622	100.566	114.856	131.797	142.619	149.907	158.701	166.292	166.302	173.24	181.997	187.204
170	6/15/2022	50.941	49.349	54.536	60.774	69.543	77.167	84.498	99.741	114.717	118.934	125.048	142.828	154.53	166.9	167.979	172.8	180.198
171	6/16/2022	63.771	72.994	80.766	74.097	76.386	89.917	94.067	99.195	105.306	116.752	128.62	137.214	151.404	161.053	169.751	172.369	179.778
172	6/17/2022	35.478	34.742	44.222	50.256	54.825	58.855	67.397	74.53	88.737	93.906	102.318	109.545	122.486	126.91	131.527	140.123	139.587
173	6/18/2022	17.785	17.353	21.116	22.478	25.553	31.48	38.589	43.249	49.363	55.911	63.364	71.563	73.761	78.656	86.908	87.424	96.748
174	6/19/2022	11.722	14.506	19.946	24.215	25.73	27.613	35.233	40.106	50.126	57.89	61.272	67.17	68.359	81.558	88.678	91.665	97.267
175	6/20/2022	31.155	34.222	34.773	44.741	42.413	45.084	53.414	60.167	74.144	78.094	84.479	91.142	94.514	105.778	118.444	130.766	128.112
176	6/21/2022	33.542	40.91	45.26	51.102	58.308	63.112	79.36	91.365	100.778	109.812	122.288	129.477	138.446	154.804	160.883	169.103	168.083
177	6/22/2022	81.107	140.645	176.783	176.161	156.823	154.997	152.877	158.158	153.802	148.31	148.291	138.916	135.352	137.376	139.546	125.384	124.349
178	6/23/2022	31.632	31.911	38.136	43.331	52.495	55.104	61.051	69.155	81.797	94.971	98.916	109.626	126.749	129.627	137.11	139.248	149.867
179	6/24/2022	20.796	26.774	35.731	43.014	48.83	53.61	58	72.379	91.392	106.567	99.201	121.343	122.408	119.481	123.74	138.962	131.455

	B	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV
4	measurement date	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345	D_2400
136	5/12/2022	124.943	127.203	129.985	134.567	130.313	132.467	129.309	119.471	116.895	112.035	107.942	105.199	89.669	90.763	85.025
137	5/13/2022	133.561	131.575	132.486	135.213	132.981	122.666	130.615	122.566	125.037	118.314	117.008	114.065	111.985	105.363	98.547
138	5/14/2022	114.437	110.443	106.921	102.261	109.156	107.033	106.701	106.492	102.261	99.419	94.751	88.025	79.382	81.115	76.577
139	5/15/2022	143.246	143.422	142.625	144.896	143.112	141.789	125.766	123.979	123.139	113.697	109.306	103.235	98.231	95.199	90.64
140	5/16/2022	103.458	109.421	106.094	106.209	103.682	104.729	104.486	93.388	91.269	84.29	81.922	77.826	77.825	71.054	70.788
141	5/17/2022	111.937	114.079	118.725	114.647	113.266	113.582	107.569	108.659	104.767	97.63	94.942	94.102	87.712	81.357	71.744
142	5/18/2022	98.131	99.897	109.832	108.176	108.251	103.14	94.697	97.167	96.305	98.01	87.114	88.192	82.619	77.812	72.462
143	5/19/2022	113.658	120.488	122.509	114.088	102.974	100.893	98.181	101.346	96.971	90.222	85.361	82.513	79.458	76.286	73.307
144	5/20/2022	144.487	149.785	145.642	147.024	146.378	141.572	143.692	144.611	137.684	131.34	130.379	126.654	125.67	120.328	112.513
145	5/21/2022	98.795	99.571	101.576	94.51	101.746	93.072	93.454	92.548	94.6	85.944	82.091	84.823	79.505	75.524	74.702
146	5/22/2022	104.972	101.565	96.823	95.438	96.431	97.011	95.18	97.181	94.051	83.448	80.578	76.327	75.618	72.804	67.528
147	5/23/2022	80.654	80.642	80.947	86.942	86.369	81.359	87.757	88.979	80.084	73.251	70.288	67.928	66.407	62.636	63.616
148	5/24/2022	94.679	97.561	96.236	106.075	101.465	99.861	101.491	96.761	94.368	85.018	84.32	84.632	81.564	77.322	73.803
149	5/25/2022	125.367	129.72	137.272	131.642	128.252	129.369	122.167	120.743	118.838	109.212	107.44	107.493	99.061	91.27	88.38
150	5/26/2022	95.229	93.692	97.513	98.434	102.009	102.113	101.361	102.114	100.795	89.7	80.797	77.769	78.264	72.367	70.238
151	5/27/2022	82.698	95.56	95.083	92.859	95.427	89.172	80.905	84.37	86.063	86.279	81.712	78.324	70.325	68.872	67.583
152	5/28/2022	98.418	103.032	104.593	108.601	108.01	100.653	98.8	97.342	96.229	96.499	96.356	90.854	83.638	87.289	85.623
153	5/29/2022	118.201	121.31	118.08	124.02	121.89	117.549	116.352	113.683	113.999	110.176	107.007	103.148	100.607	92.427	87.413
154	5/30/2022	152.263	156.604	157.616	159.597	159.138	160.431	167.436	156.183	146.717	142.418	134.79	133.4	124.538	114.77	112.177
155	5/31/2022	165.259	167.565	171.247	166.454	159.846	161.642	167.152	162.521	151.785	145.025	134.256	132.879	123.492	119.267	114.905
156	6/1/2022	167.362	178.221	175.697	171.198	167.029	166.209	164.201	160.786	151.861	149.545	151.546	137.642	137.048	131.958	118.443
157	6/2/2022	108.32	111.51	119.12	115.214	115.968	103.466	105.879	108.574	105.995	102.858	95.982	91.861	91.468	82.584	83.19
158	6/3/2022	109.671	113.551	112.514	112.671	113.34	116.593	114.18	116.416	112.69	108.337	104.342	101.192	96.292	90.545	90.997
159	6/4/2022	107.28	117.322	117.905	116.006	115.767	113.822	123.21	120.44	111.573	106.833	104.676	100.707	96.649	89.17	87.659
160	6/5/2022	139.537	143.143	142.214	141.101	139.226	139.996	138.46	135.709	128.436	123.704	116.084	117.85	106.792	101.702	98.685
161	6/6/2022	110.633	111.541	110.292	108.916	105.695	108.211	99.463	99.354	95.27	87.573	88.816	83.311	80.258	80.26	78.407
162	6/7/2022	130.005	137.769	139.884	140.443	136.135	130.95	121.991	124.19	124.129	113.606	110.208	102.029	93.014	96.337	90.825
163	6/8/2022	98.221	110.135	102.203	103.872	106.312	109.923	106.362	109.443	105.242	100.557	95.75	98.85	92.575	81.856	81.592
164	6/9/2022	101	110.485	108.784	112.35	113.058	115.51	110.347	106.717	103.168	98.887	93.432	90.234	86.787	86.108	78.065
165	6/10/2022	88.611	87.643	91.595	92.95	93.593	90.92	90.388	93.992	89.214	87.636	85.173	77.593	76.836	70.444	67.443
166	6/11/2022	106.086	109.11	110.327	112.528	117.727	105.632	111.602	106.651	101.455	104.163	105.785	98.775	97.297	96.171	91.119
167	6/12/2022	142.513	144.946	143.251	149.548	143.082	148.144	142.893	147.718	143.491	129.56	130.09	125.336	122.314	115.372	112.366
168	6/13/2022	144.267	143.013	149.452	150.515	151.334	142.797	141.883	133.111	123.488	126.771	128.919	121.012	119.54	111.42	104.971
169	6/14/2022	193.849	199.749	202.057	207.74	205.734	201.72	195.265	189.869	182.341	178.042	175.132	166.476	161.855	160.993	157.927
170	6/15/2022	189.161	195.566	192.001	192.383	186.934	184.783	183.32	182.864	173.67	172.878	168.543	165.925	160.7	150.393	148.679
171	6/16/2022	187.511	196.846	196.212	193.317	188.113	188.552	186.42	183.788	183.331	176.089	167.134	161.914	158.436	151.566	150.671
172	6/17/2022	152.312	153.634	155.721	155.723	152.51	153.541	145.342	144.781	141.675	140.463	133.261	136.248	126.315	121.9	120.43
173	6/18/2022	103.399	105.204	106.683	109.883	115.779	109.997	105.501	104.203	98.437	99.438	93.91	91.759	88.07	82.093	84.44
174	6/19/2022	98.981	109.983	113.236	115.49	111.167	110.947	113.349	113.565	109.417	102.728	90.763	84.371	81.756	76.306	76.568
175	6/20/2022	130.92	141.539	143.343	135.83	131.105	135.347	135.277	128.31	123.895	113.454	112.762	109.906	97.55	97.457	88.987
176	6/21/2022	179.848	184.6	185.017	185.996	173.285	174.583	180.943	167.08	165.854	162.271	152.96	151.996	138.57	132.442	125.318
177	6/22/2022	132.821	142.103	138.088	138.514	135.693	141.44	140.445	137.422	140.576	128.985	125.984	121.097	114.863	112.156	107.009
178	6/23/2022	148.952	154.498	155.253	158.196	153.255	148.405	146.15	146.241	147.464	133.61	130.534	121.795	115.979	115.008	106.038
179	6/24/2022	135.713	144.755	147.601	143.178	141.861	140.649	141.931	134.038	133.143	124.956	121.165	122.08	114.279	108.403	109.588

	B	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
4	measurement date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
136	5/12/2022	329	284	246	225	216	231	251	183	111	78	53	34	35	38	43	68	133	215	305	441	506	527	456	371
137	5/13/2022	309	263	242	233	225	221	253	217	144	98	57	48	32	39	50	79	136	220	322	423	526	521	483	430
138	5/14/2022	354	301	284	264	240	222	219	187	160	138	103	84	156	176	189	141	144	201	351	456	444	425	403	325
139	5/15/2022	273	252	232	224	206	206	199	128	134	90	76	75	61	78	68	91	140	249	393	464	561	556	470	387
140	5/16/2022	319	288	267	238	230	233	277	218	185	94	68	38	29	43	62	89	126	178	242	330	419	419	351	297
141	5/17/2022	263	229	211	202	194	199	228	170	111	78	56	44	33	38	50	66	90	179	287	395	450	449	406	335
142	5/18/2022	273	230	215	208	208	218	250	268	202	148	77	64	56	69	79	136	243	315	336	378	404	414	379	321
143	5/19/2022	251	229	204	198	193	204	248	202	163	149	100	70	63	59	55	73	147	251	384	456	470	416	374	312
144	5/20/2022	241	215	217	212	215	221	244	220	150	87	68	63	61	60	60	85	123	250	380	480	576	579	544	485
145	5/21/2022	422	347	318	288	282	281	266	215	196	158	106	90	174	195	467	427	301	412	426	369	396	383	355	315
146	5/22/2022	287	248	229	234	217	211	230	225	237	228	210	140	90	139	125	131	128	161	242	316	402	384	355	292
147	5/23/2022	235	211	196	193	194	212	236	191	146	136	121	98	103	94	80	82	150	204	221	216	316	342	313	261
148	5/24/2022	237	219	205	198	197	216	247	170	106	60	41	29	25	33	28	44	68	121	179	294	377	409	360	317
149	5/25/2022	273	252	229	214	201	221	243	198	130	108	66	37	52	73	97	131	247	352	388	449	514	511	456	386
150	5/26/2022	355	301	285	265	274	261	283	263	216	189	140	132	109	180	192	119	229	341	331	362	388	404	373	299
151	5/27/2022	250	243	222	211	200	209	238	190	137	123	125	88	83	83	89	112	209	182	240	328	347	358	338	285
152	5/28/2022	246	239	224	215	205	209	207	171	134	98	82	77	71	54	58	102	106	152	208	284	393	416	386	347
153	5/29/2022	295	256	228	215	213	209	189	148	114	81	70	48	61	59	54	75	117	195	307	417	469	480	445	384
154	5/30/2022	309	286	249	231	223	223	219	174	159	137	107	81	81	123	150	158	209	273	394	544	617	647	580	485
155	5/31/2022	411	363	338	307	289	280	284	241	199	142	110	87	94	131	135	185	247	318	447	579	665	655	594	491
156	6/1/2022	441	386	363	330	293	286	286	253	188	136	111	101	156	151	125	161	263	422	506	561	680	669	614	525
157	6/2/2022	441	384	332	301	293	292	295	247	207	189	197	164	112	86	95	130	154	162	269	341	443	441	413	349
158	6/3/2022	292	251	241	226	213	224	224	173	127	93	60	49	39	39	56	75	110	174	269	371	434	457	442	379
159	6/4/2022	309	273	246	235	216	209	206	150	120	82	54	45	40	60	69	69	113	187	275	389	447	469	444	374
160	6/5/2022	307	282	246	230	221	210	199	137	110	92	75	49	45	76	99	116	161	243	353	475	556	559	504	425
161	6/6/2022	347	289	277	261	250	247	259	192	154	104	123	104	283	101	67	257	389	365	319	362	438	422	371	322
162	6/7/2022	291	257	241	222	212	216	264	253	176	111	104	101	91	117	128	152	146	232	359	410	527	530	472	382
163	6/8/2022	343	297	258	248	235	232	239	180	127	102	74	58	90	97	239	256	321	367	427	377	393	426	411	355
164	6/9/2022	288	250	239	211	206	217	226	198	154	87	93	81	78	55	74	62	82	159	239	336	417	451	402	341
165	6/10/2022	303	265	257	230	220	221	224	164	124	89	71	123	126	156	190	169	195	190	213	351	359	368	356	292
166	6/11/2022	264	233	216	207	196	203	207	139	108	90	93	76	50	69	105	159	168	190	272	411	433	447	418	383
167	6/12/2022	329	296	261	245	235	224	230	180	155	130	141	211	242	245	279	216	197	211	336	498	566	584	551	475
168	6/13/2022	401	358	326	315	295	283	299	266	213	189	159	206	207	190	173	259	490	734	652	599	586	587	512	457
169	6/14/2022	388	341	323	306	290	303	308	269	245	180	141	113	94	93	118	151	221	375	583	688	783	810	725	647
170	6/15/2022	554	514	477	445	424	400	373	328	275	178	151	115	105	107	142	167	216	331	502	662	757	747	698	626
171	6/16/2022	575	527	474	456	430	405	400	334	269	182	135	106	96	98	142	241	292	360	488	655	760	756	710	623
172	6/17/2022	558	513	476	447	425	395	382	340	278	224	196	310	386	211	111	140	165	256	395	521	601	607	560	505
173	6/18/2022	429	369	323	293	257	248	234	199	153	97	52	37	29	31	45	61	79	139	240	327	412	441	396	346
174	6/19/2022	296	255	240	218	215	203	192	159	109	84	61	51	36	26	34	37	70	129	236	330	419	451	416	319
175	6/20/2022	277	239	231	220	218	223	215	160	134	81	65	49	78	79	82	98	145	201	328	450	544	538	478	394
176	6/21/2022	341	297	267	238	224	231	214	175	134	102	81	75	66	72	90	120	171	292	462	623	718	715	648	548
177	6/22/2022	479	417	375	348	329	296	294	258	210	169	126	100	94	154	212	241	575	623	589	538	537	556	533	455
178	6/23/2022	380	327	293	265	250	247	251	221	181	113	71	51	44	51	76	103	145	238	385	533	609	606	558	459
179	6/24/2022	386	329	284	263	237	237	231	193	157	114	73	50	49	56	67	89	126	233	419	505	560	568	513	454

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
4	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330
180	6/25/2022	6	6	96.209	97.598	94.388	88.1	88.055	84.297	81.285	77.517	70.745	71.992	67.668	69.105	66.223	66.091
181	6/26/2022	6	7	121.017	116.772	118.142	106.529	108.622	100.084	99.398	95.064	93.739	89.782	93.838	88.322	84.1	87.873
182	6/27/2022	6	1	109.958	110.193	104.712	97.168	98.254	92.5	91.178	89.874	88.091	82.939	83.862	80.194	74.007	70.966
183	6/28/2022	6	2	84.278	79.331	75.793	71.908	70.947	68.022	63.933	63.19	62.266	60.923	59.427	60.158	57.913	59.006
184	6/29/2022	6	3	77.376	79.634	73.646	70.426	63.999	62.12	60.982	63.638	59.257	55.492	55.825	55.205	56.291	53.642
185	6/30/2022	6	4	93.131	88.305	83.958	81.035	78.422	78.494	74.329	70.922	66.624	67.151	67.618	65.209	64.323	64.179
186	7/1/2022	7	5	125.821	120.684	120.16	115.502	113.593	107.653	107.27	103.83	100.99	96.723	102.176	101.896	101.352	95.498
187	7/2/2022	7	6	134.364	131.182	123.014	122.088	117.592	112.602	112.391	110.351	107.082	107.002	107.569	100.626	95.003	95.276
188	7/3/2022	7	7	118.517	115.76	115.309	120.231	116.218	105.983	108.576	99.987	99.919	96.237	94.668	95.62	92.503	88.36
189	7/4/2022	7	1	115.896	110.72	106.612	104.902	106.882	98.956	99.094	99.312	87.116	89.881	88.081	83.369	85.103	81.021
190	7/5/2022	7	2	129.598	126.635	123.605	116.274	110.366	114.308	110.896	106.235	104.575	107.07	100.267	101.044	99.065	94.884
191	7/6/2022	7	3	127.942	124.561	117.566	116.551	116.209	114.197	110.429	108.298	108.352	104.087	102.841	105.749	100.517	102.284
192	7/7/2022	7	4	101.621	92.93	88.261	90.472	83.334	81.348	79.816	79.771	76.568	76.163	77.448	73.401	70.77	69.2
193	7/8/2022	7	5	115.404	114.794	113.925	112.377	105.73	100.702	100.443	97.931	100.563	96.695	89.251	93.12	89.954	85.801
194	7/9/2022	7	6	94.783	95.978	92.088	94.657	91.372	86.892	84.783	83.355	79.957	78.085	74.165	73.642	75.836	74.988
195	7/10/2022	7	7	96.62	91.221	89.047	85.27	77.001	78.396	73.314	76.3	69.929	68.999	69.301	66.035	66.097	62.511
196	7/11/2022	7	1	105.981	95.315	95.058	92.29	88.08	85.211	82.883	80.189	75.242	80.805	74.12	72.757	73.963	69.469
197	7/12/2022	7	2	111.589	104.907	103.182	102.762	104.706	104.973	99.918	99.807	92.474	96.298	97.161	92.965	92.076	89.281
198	7/13/2022	7	3	113.769	112.212	112.643	106.94	98.257	99.775	94.932	93.252	89.688	88.095	85.825	85.518	81.6	78.784
199	7/14/2022	7	4	113.593	109.514	103.679	101.015	96.553	96.218	90.742	84.811	90.162	89.864	86.284	84.607	82.63	79.937
200	7/15/2022	7	5	99.176	98.772	95.969	98.939	89.902	88.113	85.312	87.226	78.484	80.615	78.464	76.596	75.905	72.635
201	7/16/2022	7	6	111.546	105.229	102.647	101.161	99.284	90.378	88.566	92.057	91.466	84.756	83.376	79.447	80.429	80.208
202	7/17/2022	7	7	127.765	127.277	122.926	125.308	120.766	115.481	109.663	106.292	107.033	104.366	105.456	102.917	101.358	102.272
203	7/18/2022	7	1	94.597	86.776	82.896	82.462	80.696	81.229	81.35	78.063	76.42	72.302	72.42	66.861	69.924	65.463
204	7/19/2022	7	2	99.683	99.547	94.416	89.42	88.874	83.109	82.813	84.15	79.898	77.764	77.568	78.482	71.78	71.202
205	7/20/2022	7	3	121.602	117.481	118.903	109.723	111.144	107.697	102.362	101.546	100.253	99.014	100.951	98.111	94.439	97.316
206	7/21/2022	7	4	153.864	154.187	144.823	139.984	133.978	128.83	125.089	123.439	115.616	119.692	117.865	110.683	104.915	105.206
207	7/22/2022	7	5	125.83	120.853	119.85	114.627	109.794	107.436	102.772	98.574	97.941	91.258	89.404	90.688	91.826	88.313
208	7/23/2022	7	6	138.361	138.152	131.026	133.255	118.868	119.674	112.144	112.125	109.218	104.192	110.555	103.529	103.412	96.895
209	7/24/2022	7	7	130.621	128.787	123.27	122.445	117.935	118.66	113.398	108.956	107.713	111.865	106.554	112.855	106.439	108.546
210	7/25/2022	7	1	131.469	126.631	118.609	115.152	117.189	115.386	113.249	105.353	106.497	107.244	103.269	100.777	99.805	101.407
211	7/26/2022	7	2	95.152	89.739	86.095	88.169	87.538	80.532	82.16	77.512	79.768	77.593	76.972	74.925	73.384	74.624
212	7/27/2022	7	3	97.362	89.407	89.939	83.921	84.695	80.181	75.663	79.032	76.056	72.704	73.49	72.072	70.529	68.649
213	7/28/2022	7	4	100.061	100.03	94.496	88.526	84.586	86.682	81.271	83.213	83.803	76.757	81.118	75.411	72.299	74.753
214	7/29/2022	7	5	110.914	111.167	103.949	107.688	105.131	99.561	94.115	92.932	93.788	89.751	91.4	89.293	88.202	81.849
215	7/30/2022	7	6	92.23	88.972	88.757	84.128	78.883	81.882	77.332	73.913	71.151	67.277	65.341	61.066	62.222	57.972
216	7/31/2022	7	7	94.191	92.988	85.223	85.941	81.645	79.017	81.962	76.522	75.948	74.998	71.823	68.185	71.475	70.59
217	8/1/2022	8	1	92.721	86.618	79.742	80.47	75.234	75.356	77.692	74.669	71.42	71.596	69.389	71.563	65.784	66.865
218	8/2/2022	8	2	109.107	110.487	105.101	104.632	96.539	100.432	93.458	95.688	93.459	89.338	85.103	88.522	80.553	77.95
219	8/3/2022	8	3	109.287	107.211	101.706	100.605	96.542	92.478	92.621	86.998	89.056	85.767	85.507	78.913	77.98	78.925
220	8/4/2022	8	4	119.552	120.946	120.657	115.678	115.95	110.242	106.401	107.027	109.206	105.184	105.402	100.884	97.054	94.153
221	8/5/2022	8	5	99.432	94.915	97.26	92.156	94.318	86.952	87.828	84.349	83.597	81.703	83.158	79.115	80.382	77.831
222	8/6/2022	8	6	109.71	103.717	105.358	102.943	99.021	93.471	89.122	90.351	88.076	82.783	83.479	86.75	84.983	82.985
223	8/7/2022	8	7	97.834	101.274	94.808	90.314	91.517	89.213	85.791	85.324	87.088	82.188	75.859	72.253	71.282	73.299

	B	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
4	measurement date	D_0345	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730
180	6/25/2022	65.284	63.322	64.076	61.584	58.37	60.267	62.664	58.253	57.71	58.788	59.722	56.934	58.535	52.271	50.175	43.855
181	6/26/2022	87.074	85.926	82.571	87.868	79.27	84.004	80.11	83.478	77.963	80.139	77.999	80.047	76.874	65.77	64.468	74.154
182	6/27/2022	69.929	71.087	68.565	67.632	66.889	64.28	65.288	60.416	64.027	61.408	62.66	62.767	63.871	60.269	56.208	51.181
183	6/28/2022	57.479	56.047	51.939	53.493	53.647	53.707	53.864	54.996	53.78	54.719	57.997	57.858	60.884	51.427	44.4	36.068
184	6/29/2022	53.344	51.212	51.537	51.41	52.165	52.845	51.468	51.143	52.586	54.473	54.869	53.631	54.48	50.061	46.728	39.207
185	6/30/2022	58.217	62.766	59.104	57.283	54.557	57.147	58.492	59.511	60.561	57.625	58.261	57.956	57.346	55.099	48.356	45.319
186	7/1/2022	93.16	92.407	90.463	87.728	89.652	85.318	83.725	84.774	84.994	86.263	82.317	84.378	83.286	89.361	80.315	77.229
187	7/2/2022	95.575	89.113	88.227	88.106	88.358	89.778	85.171	81.695	81.64	77.713	83.752	80.298	90.021	82.456	81.058	81.775
188	7/3/2022	85.139	83.875	88.494	81.024	81.734	81.39	86.883	80.17	75.363	76.374	77.174	77.745	71.745	67.87	59.803	55.571
189	7/4/2022	71.851	77.579	71.649	70.357	70.917	68.14	66.888	68.18	64.908	67.856	65.579	65.791	63.71	62.986	59.472	56.281
190	7/5/2022	97.389	93.258	91.336	91.481	90.345	95.097	90.731	92.417	91.629	94.274	96.303	93.563	92.745	89.014	84.548	85.43
191	7/6/2022	98.849	101.738	96.399	96.419	98.686	92.715	94.332	94.068	97.486	97.626	94.689	96.276	100.074	95.839	89.208	92.976
192	7/7/2022	71.492	67.362	71.553	68.48	66.282	70.25	66.504	66.155	67.5	69.215	65.781	69.872	68.598	67.439	60.58	52.932
193	7/8/2022	83.531	86.683	83.43	80.026	77.824	83.3	81.954	79.833	83.46	76.882	76.091	78.234	81.315	78.232	76.267	69.921
194	7/9/2022	70.325	69.849	68.935	68.447	66.256	69.465	67.973	69.076	64.175	65.34	62.815	68.412	68.666	70.122	68.383	71.653
195	7/10/2022	63.243	61.748	61.945	60.505	57.161	55.982	55.012	56.436	53.214	55.625	55.769	55.321	50.065	47.38	43.05	42.718
196	7/11/2022	66.539	67.235	67.208	66.217	68.735	67.072	62.432	63.525	59.62	62.741	63.45	67.409	65.141	62.333	57.906	56.851
197	7/12/2022	85.989	85.466	82.833	83.64	86.973	77.989	80.891	81.718	77.874	81.393	81.908	84.935	83.701	76.407	79.729	71.082
198	7/13/2022	79.483	73.98	75.521	73.437	72.06	71.6	72.9	70.444	70.177	69.601	69.313	73.198	70.117	72.496	67.94	63.406
199	7/14/2022	77.655	74.21	74.549	74.461	76.19	75.064	75.178	71.83	71.396	74.849	72.081	74.903	72.805	67.434	66.73	67.165
200	7/15/2022	74.312	66.881	66.155	70.068	66.575	65.814	64.529	64.115	66.216	65.661	67.527	65.23	66.996	61.801	57.406	55.411
201	7/16/2022	73.726	73.233	77.686	79.589	77.566	77.483	74.003	71.269	72.375	74.202	74.364	72.955	71.497	65.108	55.846	52.247
202	7/17/2022	97.608	95.469	98.245	94.222	90.103	90.727	91.108	89.635	89.837	89.212	87.036	85.335	89.642	91.207	90.907	90.014
203	7/18/2022	67.674	72.716	68.939	67.589	64.375	65.682	63.131	63.575	67.271	66.292	68.72	70.583	71.205	76.858	76.891	77.926
204	7/19/2022	71.43	66.863	64.038	67.761	71.532	67.588	68.521	68.015	62.955	65.595	66.989	73.564	71.829	67.907	63.943	59.148
205	7/20/2022	89.76	87.502	83.803	87.89	85.103	87.895	81.351	80.201	78.669	82.247	78.135	78.689	85.542	85.206	78.956	72.827
206	7/21/2022	97.732	99.461	99.589	93.921	92.52	96.141	84.728	85.189	87.133	87.147	86.047	88.162	84.977	84.899	86.101	82.837
207	7/22/2022	93.678	84.98	84.797	81.741	78.473	78.649	79.741	78.332	76.245	77.252	78.767	77.729	78.238	77.853	76.59	78.218
208	7/23/2022	94.253	91.19	90.357	93.293	94.022	90.246	90.164	88.088	90.876	89.478	87.21	82.082	84.798	79.302	71.36	62.304
209	7/24/2022	103.123	99.07	102.077	100.772	94.057	96.637	93.967	87.181	93.51	92.449	88.014	88.048	88.165	92.744	82.045	79.674
210	7/25/2022	97.537	97.853	96.135	92.094	91.442	96.363	91.185	88.333	89.008	87.125	88.713	92.757	95.787	97.655	90.827	88.233
211	7/26/2022	72.233	72.241	70.47	70.826	72.476	71.21	71.878	68.14	70.523	67.926	67.902	67.812	70.523	81.251	78.916	79.182
212	7/27/2022	66.159	66.513	70.627	67.034	65.948	66.602	67.319	64.474	66.457	66.982	69.171	70.451	74.428	72.981	75.777	69.794
213	7/28/2022	69.242	69.161	71.711	67.246	68.607	71.749	75.537	67.98	70.563	70.904	71.301	72.951	74.193	69.313	74.834	70.063
214	7/29/2022	82.85	82.366	84.637	83.431	78.917	80.336	77.268	81.049	83.637	83.005	78.473	79.765	83.683	84.644	81.182	71.794
215	7/30/2022	60.177	57.024	54.703	55.494	57.184	57.236	58.308	55.408	54.981	53.641	56.897	51.966	52.182	54.883	49.325	47.947
216	7/31/2022	68.255	66.388	64.735	65.512	65.683	65.868	59.218	59.61	60.879	60.03	59.498	63.768	66.31	63.695	65.625	64.827
217	8/1/2022	63.923	66.325	70.434	67.805	63.058	63.071	62.589	61.152	63.035	62.729	64.731	67.455	70.835	76.747	76.542	71.477
218	8/2/2022	83.872	79.271	76.829	78.1	76.94	75.122	76.841	76.537	71.65	77.27	74.595	71.249	75.008	72.856	72.679	64.662
219	8/3/2022	76.301	72.797	75.147	70.715	71.356	69.166	68.487	67.105	67.19	69.287	69.171	69.725	69.441	66.295	68.212	69.492
220	8/4/2022	97.634	96.435	96.098	93.294	87.897	89.463	86.1	87.093	81.467	84.575	87.378	85.475	83.17	84.647	87.675	87.322
221	8/5/2022	76.03	73.461	76.39	78.199	74.641	70.62	71.91	74.289	71.647	72.668	69.319	71.301	76.459	73.633	70.663	73.313
222	8/6/2022	80.645	81.305	82.137	82.472	81.77	82.503	80.902	78.956	79.465	78.946	77.394	76.833	75.891	77.075	76.056	77.132
223	8/7/2022	73.615	69.928	69.623	70.717	66.527	67.423	64.552	63.342	62.405	63.939	66.228	65.904	67.177	68.978	61.812	58.137

	B	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY
4	measurement date	D_0745	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
180	6/25/2022	44.94	39.253	37.549	35.073	37.016	34.21	29.185	33.086	34.46	35.622	26.675	22.703	25.026	28.326	24.85	27.107	22.638
181	6/26/2022	68.83	56.395	45.06	46.943	51.369	58.615	52.119	45.046	42.006	34.344	32.798	30.666	33.635	30.173	38.516	38.56	39.018
182	6/27/2022	50.468	48.309	47.893	43.025	40.008	38.246	32.953	29.367	25.688	25.185	23.479	21.152	20.314	19.014	18.772	14.884	12.28
183	6/28/2022	33.403	26.959	28.932	24.507	22.393	20.53	20.979	20.018	17.928	13.892	15.489	11.046	7.83	9.959	7.399	6.905	7.926
184	6/29/2022	36	37.789	37.264	35.117	31.867	27.003	25.558	22.073	19.814	16.205	11.641	10.525	9.665	9.077	8.221	10.503	8.777
185	6/30/2022	38.849	38.924	39.061	34.211	31.438	30.715	26.314	27.161	24.937	21.394	18.918	18.283	15.774	15.676	15.089	15.432	11.863
186	7/1/2022	75.99	74.108	76.735	71.937	63.935	49.65	51.16	48.258	47.159	39.927	41.346	39.182	37.498	32.465	27.965	31.456	37.131
187	7/2/2022	71.324	68.484	56.597	55.471	51.272	53.225	46.841	39.459	39.267	52.262	52.682	41.963	33.249	34.216	24.942	27.136	35.515
188	7/3/2022	53.504	59.546	50.695	51.429	45.715	40.314	43.659	41.03	39.157	36.736	34.426	32.448	28.555	27.284	28.059	28.8	28.443
189	7/4/2022	54.452	52.594	43.265	43.719	44.39	46.532	44.113	40.211	34.521	31.406	29.17	30.716	30.533	26.861	23.983	27.226	22.476
190	7/5/2022	73.131	71.567	75.425	70.3	65.664	59.207	56.638	56.872	67.278	64.553	51.269	47.501	37.337	30.831	34.453	40.931	38.218
191	7/6/2022	82.782	80.328	74.152	68.123	63.149	50.875	45.763	57.026	55.703	48.381	43.139	43.395	45.989	41.964	24.505	23.755	33.223
192	7/7/2022	57.381	66.045	57.713	51.501	43.426	47.892	43.896	40.792	41.938	36.758	36.863	37.569	37.494	44.8	51.664	53.249	50.196
193	7/8/2022	72.522	67.731	62.81	55.099	55.468	53.731	50.705	53.103	42.202	48.729	61.393	65.976	82.914	91.297	79.88	74.66	63.626
194	7/9/2022	68.054	68.68	70.126	67.342	63.755	60.468	65.307	58.134	63.614	65.173	59.546	63.512	62.923	63.818	70.964	70.265	66.921
195	7/10/2022	40.688	42.677	39.256	35.46	38.587	35.159	30.321	28.908	30.499	25.6	22.162	21.538	21.083	19.444	18.463	16.682	18.353
196	7/11/2022	54.352	47.551	49.629	48.164	44.831	44.475	38.011	37.378	30.785	27.977	28.128	23.881	23.472	24.152	25.395	25.806	24.253
197	7/12/2022	68.824	62.966	62.455	58.792	57.963	49.88	47.952	42.969	40.123	42.889	45.676	49.935	37.397	32.325	34.881	28.085	25.709
198	7/13/2022	57.997	55.31	53.538	52.388	51.128	41.883	35.545	33.863	30.477	29.253	29.053	26.138	21.737	21.676	23.195	25.754	30.636
199	7/14/2022	62.276	54.384	62.744	54.123	44.27	40.047	43.569	37.71	33.152	32.604	29.84	29.117	26.728	24.671	23.021	19.691	20.624
200	7/15/2022	47.991	51.314	48.153	43.772	38.16	38.84	32.937	33.029	30.341	25.165	25.041	22.585	24.163	22.744	18.925	18.078	23.029
201	7/16/2022	50.215	45.755	44.419	46.668	47.189	48.046	51.157	47.263	51.242	48.601	33.16	25.56	27.027	23.148	25.192	22.175	23.833
202	7/17/2022	95.532	94.01	87.992	91.886	88.791	86.965	86.091	91.29	90.462	88.422	91.249	91.396	86.326	80.972	72.947	53.543	55.088
203	7/18/2022	79.399	79.349	79.076	70.79	69.506	61.881	54.309	49.461	52.651	46.929	43.417	44.456	43.956	37.375	34.818	26.711	34.844
204	7/19/2022	61.933	55.104	57.39	53.236	49.951	46.909	45.509	44.001	39.588	40.947	34.577	34.401	32.704	34.408	34.126	33.428	33.559
205	7/20/2022	66.494	66.355	67.468	60.769	58.891	54.826	48.538	47.566	46.967	41.253	37.94	38.114	40.691	45.165	46.751	40.276	34.626
206	7/21/2022	90.376	75.822	71.146	67.365	63.711	56.781	52.854	45.03	41.615	37.981	34.206	30.207	28.404	24.763	26.16	26.35	26.351
207	7/22/2022	67.583	67.806	66.483	70.724	60.378	52.876	51.553	48.778	48.874	41.286	35.575	31.443	30.805	29.78	29.05	24.554	24.429
208	7/23/2022	62.047	64.37	65.801	61.042	60.156	48.722	45.49	49.649	56.904	45.759	46.038	64.806	70.2	65.291	59.696	56.364	52.906
209	7/24/2022	82.174	81.598	57.089	64.155	59.244	55.448	55.389	50.899	47.589	40.597	35.82	46.332	43.769	45.412	51.996	60.777	65.66
210	7/25/2022	90.028	91.615	97.021	100.402	95.385	87.986	82.599	78.899	72.515	50.558	36.911	36.093	36.794	39.586	47.114	44.408	31.432
211	7/26/2022	87.609	85.941	71.632	63.667	67.03	67.173	63.302	54.335	57.521	58.968	65.347	63.044	69.463	63.993	62.758	56.945	54.435
212	7/27/2022	69.888	72.57	78.497	85.772	90.747	82.083	83.557	87.988	86.808	86.644	86.649	89.342	89.429	86.73	87.01	74.773	64.884
213	7/28/2022	62.653	58.999	53.923	52.221	43.717	43.024	32.682	37.468	35.555	33.239	38.154	33.887	26.618	24.249	29.052	28.534	32.784
214	7/29/2022	66.323	58.4	55.476	54.637	55.215	49.39	50.665	48.333	38.588	32.468	33.796	30.616	28.324	28.434	28.983	22.816	22.285
215	7/30/2022	47.759	44.923	43.674	40.8	36.126	31.737	32.482	30.41	23.666	27.006	28.774	26.714	33.543	26.935	28.604	25.455	16.853
216	7/31/2022	71.474	64.095	66.664	67.343	71.707	66.545	62.355	59.784	64.575	52.968	43.894	40.081	38.965	36.226	30.802	32.322	32.294
217	8/1/2022	58.763	54.535	58.902	59.421	52.565	49.054	53.887	53.449	49.394	39.886	46.342	57.633	63.19	45.395	53.094	50.888	49.57
218	8/2/2022	58.439	55.151	51.294	47.328	56.96	50.715	41.437	40.908	40.41	33.221	32.617	33.804	32.473	30.047	28.308	26.808	20.189
219	8/3/2022	62.046	57.57	57.901	53.806	52.4	46.469	44.02	39.081	38.263	31.963	33.369	34.672	32.076	28.385	26.529	24.495	26.292
220	8/4/2022	82.92	75.066	65.489	63.931	53.026	52.06	51.766	50.652	43.997	40.469	31.517	31.703	30.138	33.296	35.917	41.234	41.204
221	8/5/2022	77.304	69.819	72.954	67.043	56.673	67.912	79.623	84.508	80.089	77.175	82.102	80.234	82.085	82.137	83.122	83.895	65.768
222	8/6/2022	78.711	74.445	73.813	72.745	81.157	84.717	90.496	90.998	94.226	91.786	82.525	82.862	77.51	80.761	71.155	83.864	82.606
223	8/7/2022	58.698	58.448	57.246	61.601	51.978	54.436	46.554	51.736	48.6	44.116	38.99	34.547	29.266	26.872	26.336	23.459	24.967

	B	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
4	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545	D_1600
180	6/25/2022	25.239	23.872	26.431	24.844	20.158	22.14	23.493	23.092	23.582	24.97	27.741	29.76	35.498	38.99	49.33	62.429	72.821
181	6/26/2022	44.497	37.723	33.18	38.296	38.069	46.024	51.248	54.98	46.997	30.22	30.534	37.728	33.32	41.921	43.755	35.504	41.676
182	6/27/2022	9.457	10.554	11.13	10.202	8.969	9.516	9.499	9.872	10.929	12.627	14.856	9.927	11.687	12.39	14.754	16.854	20.455
183	6/28/2022	12.33	10.808	8.833	8.09	6.549	7.589	8.62	7.735	9.565	9.487	9.361	13.918	21.177	20.162	14.204	16.192	19.728
184	6/29/2022	7.458	7.085	8.432	7.575	8.141	8.78	10.235	12.136	11.455	10.275	10.267	11.293	12.173	14.125	15.588	17.769	18.872
185	6/30/2022	10.967	14.469	13.566	13.113	14.893	15.312	14.418	15.669	18.431	14.79	13.965	15.745	17.999	18.208	21.454	24.904	26.974
186	7/1/2022	38.416	37.282	51.41	53.261	50.253	42.342	40.09	51.56	52.693	53.85	51.478	53.981	64.767	63.423	75.302	92.339	86.291
187	7/2/2022	31.702	36.732	33.635	30.266	33.151	43.726	41.608	41.795	44.8	41.111	30.608	32.696	33.347	33.646	35.387	39.472	42.119
188	7/3/2022	26.837	23.831	24.391	22.238	20.094	20.176	24.991	25.375	22.911	24.45	22.801	24.219	28.741	30.1	34.037	36.399	37.778
189	7/4/2022	24.029	25.858	25.66	25.468	25.837	28.046	30.632	26.344	23.855	25.021	26.362	23.819	25.505	28.948	27.239	28.132	31.11
190	7/5/2022	33.536	36.599	33.758	34.044	36.44	46.832	47.174	74.753	87.842	81.78	73.994	86.172	93.506	80.978	69.617	34.092	32.131
191	7/6/2022	28.578	29.835	28.171	22.56	23.37	23.524	24.288	32.51	41.856	60.474	121.796	149.286	133.186	117.795	120.731	112.137	112.019
192	7/7/2022	48.484	46.322	41.312	33.933	29.533	32.714	36.52	31.71	29.238	28.645	31.47	37.407	33.037	35.931	47.124	46.036	42.471
193	7/8/2022	64.844	70.938	79.195	89.93	81.488	63.166	52.999	47.003	50	45.017	57.128	60.133	53.598	57.836	64.26	56.139	56.776
194	7/9/2022	55.382	48.993	47.622	49.737	48.336	47.203	43.752	53.013	48.471	42.948	49.144	54.675	52.001	46.866	47.92	44.21	42.173
195	7/10/2022	18.099	17.14	17.072	14.791	13.839	14.176	15.343	14.777	14.312	16.817	21.177	22.101	19.068	23.148	30.165	33.236	36.513
196	7/11/2022	24.735	25.669	27.57	27.847	25.023	24.472	25.922	29.764	35.415	33.06	20.713	23.253	25.749	31.1	35.443	39.179	38.114
197	7/12/2022	28.015	29.841	28.771	30.665	33.357	27.3	23.47	24.31	27.849	31.958	28.172	26.747	31.335	27.278	31.522	36.087	32.481
198	7/13/2022	29.309	25.344	23.599	30.225	30.759	29.018	33.585	29.996	36.493	33.559	30.312	39.86	31.095	31.442	39.661	38.391	38.943
199	7/14/2022	22.102	24.634	28.279	29.676	29.416	33.147	28.752	27.838	24.055	23.076	23.41	22.502	25.477	25.885	27.732	33.561	41.241
200	7/15/2022	26.797	32.871	28.723	25.869	23.79	25.913	25.607	20.992	26.686	28.013	25.384	32.981	33.597	35.88	35.67	45.954	57.096
201	7/16/2022	21.872	21.625	20.862	21.766	22.516	21.997	21.028	21.544	24.746	28.223	29.403	33.489	31.628	34.127	33.546	34.6	44.532
202	7/17/2022	63.271	69.116	71.791	60.914	66.473	82.616	79.388	67.615	73.009	69.377	61.509	72.405	84.975	81.088	75.921	72.194	60.072
203	7/18/2022	42.059	47.068	46.747	54.292	59.183	50.457	41.373	39.01	36.675	34.575	35.88	41.083	44.122	43.36	33.128	27.457	36.206
204	7/19/2022	38.448	36.963	39.286	32.166	33.04	28.77	34.686	33.184	28.231	32.756	35.21	36.929	44.396	42.186	43.588	56.964	44.245
205	7/20/2022	39.019	35.956	32.861	38.175	34.754	40.739	42.655	44.622	42.189	45.509	48.579	52.568	49.288	53.073	58.088	63.846	69.228
206	7/21/2022	30.994	28.908	30.508	33.516	32.573	31.918	30.75	29.336	25.884	24.359	25.216	27.01	26.411	30.081	31.462	32.596	36.331
207	7/22/2022	23.05	22.861	23.471	24.132	30.373	29.308	29.849	27.925	30.464	28.288	28.849	29.578	35.067	40.533	40.183	44.161	50.05
208	7/23/2022	100.337	81.343	47.983	33.165	26.787	25.721	29.194	34.782	25.263	24.673	27.294	32.893	32.287	30.98	31.683	35.081	38.124
209	7/24/2022	57.421	37.061	49.786	50.129	60.347	70.66	70.233	62.601	55.106	62.584	60.491	47.81	37.075	54.802	51.896	59.36	50.129
210	7/25/2022	36.126	40.143	43.097	49.435	48.484	49.719	42.051	40.835	64.013	67.545	63.769	64.33	63.427	64.128	63.085	74.125	70.205
211	7/26/2022	57.227	49.171	51.434	52.485	61.523	64.164	35.028	19.673	33.888	46.192	41.708	38.293	44.91	43.945	34.04	36.385	46.875
212	7/27/2022	53.4	45.715	40.484	33.572	37.908	44.151	58.371	45.747	33.031	36.993	48.788	53.584	41.05	49.146	43.481	36.37	35.162
213	7/28/2022	29.017	23.445	19.357	23.402	24.224	23.578	27.834	27.031	26.43	25.929	29.615	29.928	32.881	31.925	36.725	38.887	40.456
214	7/29/2022	32.055	28.446	30.403	26.009	31.765	34.148	32.967	35.049	33.937	30.518	24.889	27.618	31.672	38.71	41.851	42.744	38.907
215	7/30/2022	16.006	13.539	14.762	16.732	15.908	12.666	12.846	17.869	18.399	20.031	24.787	25.05	27.027	22.343	22.414	21.812	26.693
216	7/31/2022	30.729	25.642	25.322	26.433	29.473	30.002	36.957	42.999	42.375	43.131	42.848	39.364	42.348	40.697	43.393	50.433	46.586
217	8/1/2022	60.116	60.466	39.136	28.858	19.605	20.208	24.357	21.935	19.227	31.794	28.761	17.94	33.67	43.716	47.985	43.281	50.724
218	8/2/2022	22.309	24.24	26.62	27.732	28.414	27.787	23.809	27.953	27.844	28.521	28.857	29.382	47.312	46.097	40.311	39.524	49.258
219	8/3/2022	23.849	24.671	25.298	26.897	32.901	36.095	39.311	42.644	43.347	39.411	38.841	46.853	43.983	54.475	60.474	60.417	66.546
220	8/4/2022	40.261	42.377	49.716	40.775	44.619	42.486	47.458	62.73	62.193	70.846	87.44	90.489	82.358	77.628	79.072	66.206	67.208
221	8/5/2022	55.059	49.743	40.864	36.148	36.461	39.84	31.172	36.365	34.393	26.505	31.253	35.556	38.622	34.569	36.883	52.02	53.043
222	8/6/2022	65.854	53.725	55.617	75.074	72.024	55.519	48.091	37.888	30.007	34.417	45.362	47.635	51.073	51.272	47.221	53.63	56.709
223	8/7/2022	28.294	32.144	41.816	36.353	38.809	45.165	43.088	42.483	43.057	50.957	58.915	57.165	60.795	69.345	54.14	48.868	70.202

	B	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG
4	measurement date	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945	D_2000	D_2015
180	6/25/2022	77.583	65.706	47.928	50.67	62.641	80.431	100.213	92.455	88.418	102.97	106.892	111.669	124.326	116.099	133.402	142.243	147.365
181	6/26/2022	58.641	71.736	69.838	72.764	90.077	99.807	102.765	111.322	118.011	124.889	134.955	140.983	122.545	120.148	140.759	143.451	151.501
182	6/27/2022	20.362	23.585	27.998	33.87	36.1	43.24	43.271	48.666	61.523	74.788	86.609	92.984	97.835	104.39	113.234	123.545	129.243
183	6/28/2022	20.028	22.891	26.189	27.022	32.362	34.986	44.432	47.771	55.665	69.156	73.233	80.758	83.699	91.458	94.489	111.321	111.292
184	6/29/2022	21.828	22.784	28.301	38.057	41.89	42.824	46.849	59.706	70.072	73.682	84.109	95.94	105.104	108.861	113.135	126.978	136.694
185	6/30/2022	32.37	33.746	44.424	50.491	57.342	62.577	69.93	79.166	94.939	104.083	117.152	123.394	133.082	137.036	145.445	145.727	157.698
186	7/1/2022	66.068	76.439	114.109	104.398	74.483	72.792	84.857	113.166	142.251	163.624	170.8	137.854	135.319	156.234	170.86	170.359	167.465
187	7/2/2022	42.559	44.007	44.254	53.707	54.012	62.206	73.703	71.9	85.216	98.662	106.997	110.159	131.792	145.573	154.669	139.766	142.508
188	7/3/2022	40.272	43.617	47.739	54.886	61.683	70.171	80.116	77.931	92.199	94.765	105.566	116.315	126.808	135.82	140.448	146.504	151.6
189	7/4/2022	37.817	43.636	44.494	46.411	51.139	58.201	71.122	86.348	98.592	110.238	124.363	138.63	150.878	153.55	150.953	154.377	160.792
190	7/5/2022	35.511	38.849	41.823	57.023	61.026	78.181	96.158	123.949	148.634	150.834	127.315	105.217	116.781	138.462	151.263	158.908	162.011
191	7/6/2022	111.606	111.607	108.138	103.102	110.03	104.882	99.129	98.419	101.054	97.502	99.298	93.409	91.971	94.069	103.168	114.761	120.827
192	7/7/2022	45.972	60.836	64.574	73.579	79.371	83.53	92.509	99.238	110.962	130.909	132.33	135.758	134.965	145.617	149.684	150.401	154.307
193	7/8/2022	67.296	57.647	71.219	86.019	93.337	89.983	94.529	98.615	99.593	89.174	77.767	84.834	100.798	111.691	117.208	129.667	128.601
194	7/9/2022	35.32	28.103	33.132	35.746	32.947	40.282	44.133	49.08	50.108	59.508	73.887	67.545	81.77	92.96	101.645	100.802	109.675
195	7/10/2022	40.445	42.248	52.078	58.163	72.948	73.193	82.985	91.788	98.932	106.01	111.823	122.7	126.053	135.441	146.111	146.548	145.936
196	7/11/2022	43.05	54.046	54.975	56.632	55.549	59.703	73.104	91.544	112.05	116.011	114.47	131.451	137.651	137.02	139.237	141.424	145.468
197	7/12/2022	37.257	42.442	46.105	53.236	59.316	62.858	72.212	82.658	97.908	108.938	112.656	117.163	126.384	133.26	143.64	150.19	156.78
198	7/13/2022	42.156	43.262	50.053	52.931	54.346	64.988	75.746	87.209	96.863	97.448	108.38	119.632	130.982	130.61	141.482	148.672	146.579
199	7/14/2022	38.666	42.675	50.894	56.379	61.5	71.477	72.596	81.934	90.028	92.632	101.501	111.743	118.19	120.555	131.631	141.643	152.297
200	7/15/2022	50.416	53.958	63.426	72.186	83.193	90.562	92.068	92.829	102.482	121.081	118.814	112.845	114.721	128.081	128.683	129.201	131.922
201	7/16/2022	41.943	49.208	59.85	70.949	86.702	92.795	88.19	98.723	105.668	113.013	106.006	110.936	133.95	138.944	146.92	157.094	160.274
202	7/17/2022	59.682	74.726	75.567	69.867	75.61	81.036	77.468	84.903	93.521	96.738	106.647	106.892	102.221	113.931	117.7	124.557	130.197
203	7/18/2022	40.119	42.108	41.191	49.331	52.206	57.274	73.547	75.605	80.277	81.115	94.779	102.844	109.861	116.189	127.479	132.946	142.912
204	7/19/2022	46.203	56.216	54.121	58.658	67.573	70.801	82.36	85.803	97.317	108.952	114.023	124.103	139.212	139.535	151.605	162.88	164.487
205	7/20/2022	64.212	68.082	71.725	80.636	89.91	96.094	102.47	115.332	126.121	137.385	142.853	150.482	153.579	169.202	180.095	180.35	188.292
206	7/21/2022	40.746	43.252	46.633	55.489	62.755	71.796	81.433	85.095	94.191	104.813	114.129	124.175	133.571	142.234	158.815	166.926	164.948
207	7/22/2022	49.001	54.944	54	62.84	72.621	83.296	93.064	109.837	117.383	118.856	129.906	131.513	150.915	154.446	173.068	180.64	178.617
208	7/23/2022	45.352	48.404	52.048	64.491	71.407	82.92	88.209	97.553	95.551	105.301	117.816	123.105	128.255	139.584	150.11	161.31	165.853
209	7/24/2022	53.118	84.149	99.676	100.767	106.759	109.456	109.095	115.499	120.361	158.226	170.692	179.787	185.208	190.514	190.85	186.847	187.363
210	7/25/2022	64.317	66.318	80.376	83.531	81.49	93.453	110.008	111.085	110.543	117.57	114.185	117.868	118.229	122.548	127.774	136.916	138.192
211	7/26/2022	52.194	37.074	34.559	35.93	40.941	46.198	58.599	60.041	60.77	77.079	86.184	91.818	101.237	108.008	121.224	122.659	123.43
212	7/27/2022	35.659	27.363	34.681	40.709	57.444	56.091	61.546	72.266	87.076	84.791	86.43	94.334	108.536	109.484	124.222	133.856	141.017
213	7/28/2022	39.001	42.192	44.924	57.553	65.295	68.65	79.315	92.314	106.42	120.872	120.077	144.204	153.683	156.264	156.255	161.488	167.399
214	7/29/2022	41.22	46.107	53.475	53.375	58.336	61.434	67.165	76.122	80.928	87.155	95.959	104.176	110.185	116.467	126.616	131.973	135
215	7/30/2022	32.972	30.714	35.648	46.562	73.825	87.253	89.55	84.783	86.176	83.689	90.142	102.769	103.255	103.265	101.78	116.36	120.975
216	7/31/2022	51.49	49.65	51.952	58.108	63.125	66.72	56.923	55.456	58.69	69.958	77.196	84.116	86.393	94.951	103.493	112.09	119.747
217	8/1/2022	62.962	59.566	70.362	74.898	102.712	110.604	112.883	132.804	106.066	97.087	115.478	132.257	147.451	153.801	150.544	145.593	149.027
218	8/2/2022	56.366	42.278	43.022	46.326	55.263	67.409	84.076	93.892	104.618	113.789	128.643	132.079	134.115	144.144	146.732	152.813	154.369
219	8/3/2022	73.034	85.899	102.371	105.832	107.79	119.628	113.767	121.3	141.613	149.286	144.538	146.962	142.563	149.833	160.929	168.204	175.977
220	8/4/2022	64.418	65.594	71.029	80.092	83.414	98.615	122.57	130.594	142.673	146.594	149.871	139.688	141.898	141.625	148.934	151.094	146.244
221	8/5/2022	50.184	62.003	81.299	70.01	63.777	81.524	85.016	79.768	96.027	94.759	99.749	102.479	105.606	105.955	124.108	129.568	130.384
222	8/6/2022	54.093	66.457	72.728	72.539	66.72	63.283	62.947	65.647	74.427	84.334	97.782	104.142	109.293	115.337	111.557	111.948	117.603
223	8/7/2022	77.224	78.27	78.323	75.891	81.326	79.802	72.825	84.746	94.88	108.005	117.271	138.705	146.494	149.513	154.176	161.346	160.242

	B	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV
4	measurement date	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345	D_2400
180	6/25/2022	158.173	162.963	163.305	157.945	156.623	154.778	157.969	152.58	148.655	146.882	141.535	133.11	132.349	123.97	123.435
181	6/26/2022	168.679	160.994	152.569	150.439	156.942	158.829	152.018	150.656	147.439	137.407	131.885	129.54	127.072	121.465	115.913
182	6/27/2022	130.87	135.784	128.192	124.277	123.125	120.394	120.835	122.074	117.001	113.674	107.676	103.239	94.952	88.964	90.1
183	6/28/2022	112.49	117.769	118.588	119.196	115.424	113.087	106.132	113.78	108.848	101.964	99.51	92.004	89.579	85.281	80.007
184	6/29/2022	131.973	134.173	132.307	131.512	135.558	138.65	133.698	133.958	128.666	117.997	111.305	110.846	100.23	96.671	93.398
185	6/30/2022	161.048	161.731	162.802	163.202	165.749	157.866	158.351	159.773	157.256	152.601	144.539	147.838	136.128	134.697	130.966
186	7/1/2022	178.339	182.76	175.584	175.465	171.991	167.832	162.073	165.895	159.31	154.048	153.272	144.834	139.747	140.048	144.137
187	7/2/2022	147.553	155.375	151.714	158.524	158.467	154.265	148.595	152.729	154.003	151.486	146.355	143.019	143.29	136.352	132.489
188	7/3/2022	154.281	155.158	156.575	156.785	161.387	151.173	156.534	149.412	139.419	144.032	138.251	128.85	129.567	126.14	120.386
189	7/4/2022	171.875	180.31	177.624	172.6	171.269	169.997	167.409	162.864	165.845	161.093	163.871	156.057	146.644	141.29	139.233
190	7/5/2022	173.196	180.086	176.735	176.468	181.51	179.842	173.368	171.145	168.702	164.093	162.489	157.698	148.666	147.756	140.667
191	7/6/2022	124.502	124.434	134.008	140.927	138.683	138.143	135.14	132.4	129.791	123.085	119.133	114.323	109.494	104.331	103.993
192	7/7/2022	162.332	162.381	162.557	156	160.313	161.112	159.629	147.952	150.041	144.6	137.185	134.039	134.944	125.779	117.512
193	7/8/2022	130.547	131.749	135.221	135.638	128.831	133.317	129.739	125.722	121.991	120.174	113.05	109.575	107.804	101.72	101.739
194	7/9/2022	107.324	112.158	121.016	117.281	119.374	122.209	125.952	120.312	118.13	118.001	115.967	113.509	106.612	101.932	100.35
195	7/10/2022	142.949	147.81	152.546	159.462	153.954	149.372	143.565	139.922	135.258	132.023	130.862	131.105	118.837	113.427	108.96
196	7/11/2022	150.646	159.432	162.034	161.407	163.27	158.968	159.385	160.9	151.679	142.086	142.227	138.654	129.514	124.262	122.04
197	7/12/2022	160.365	165.713	159.601	162.699	163.632	162.121	159.16	153.406	154.68	140.649	139.145	134.017	129.718	120.432	119.432
198	7/13/2022	153.175	156.802	153.313	156.815	152.473	154.708	154.048	152.332	145.903	148.814	137.742	134.992	123.732	127.802	119.271
199	7/14/2022	149.899	149.409	152.073	155.922	148.076	143.412	136.962	135.889	130.777	126.461	124.129	119.235	113.871	106.58	107.46
200	7/15/2022	145.484	145.113	144.378	136.559	138.637	141.616	134.496	138.249	128.919	128.831	130.342	121.985	122.479	118.722	118.306
201	7/16/2022	164.284	169.055	172.968	167.704	163.053	165.907	167.637	154.713	153.165	149.16	154.682	141.112	142.994	137.355	133.187
202	7/17/2022	136.314	137.829	142.171	141.698	131.981	130.941	127.274	129.988	128.581	116.921	110.011	110.718	105.2	100.288	100.894
203	7/18/2022	140.817	148.974	151.748	149.558	148.85	144.664	144.278	141.739	138.566	130.285	130.14	119.572	110.347	104.313	112.225
204	7/19/2022	163.277	173.303	172.462	175.005	177.109	172.046	173.265	172.307	162.348	155.259	150.388	148.337	141.478	133.296	130.12
205	7/20/2022	193.943	197.805	202.088	191.053	190.832	191.837	188.834	187.006	182.768	184.483	182.605	177.261	166.362	165.65	162.436
206	7/21/2022	175.536	176.602	169.291	165.915	163.941	166.72	164.333	160.699	158.108	154.885	151.501	147.495	140.407	137.544	132.683
207	7/22/2022	179.976	183.318	184.996	185.244	184.307	185.271	177.112	175.999	163.558	166.753	160.318	152.895	148.801	146.7	142.486
208	7/23/2022	167.19	169.591	166.042	162.222	165.102	161.411	158.39	157.468	155.041	150.144	151.757	149.941	145.397	138.944	137.076
209	7/24/2022	189.95	188.338	184.721	187.151	184.338	178.518	175.198	166.248	159.669	151.888	149.708	145.729	139.006	139.544	132.056
210	7/25/2022	138.923	143.356	142.844	137.315	140.307	136.011	127.552	131.877	132.701	125.229	117.909	113.501	108.791	108.958	99.658
211	7/26/2022	126.528	137.846	131.453	133.344	132.668	127.052	134.9	131.68	126.45	123.81	117.972	111.289	106.953	103.797	97.382
212	7/27/2022	147.078	148.527	148.029	145.374	143.327	141.008	132.704	133.422	132.311	121.204	121.083	111.324	115.422	105.507	104.87
213	7/28/2022	165.419	168.473	160.852	159.331	158.735	153.87	148.122	147.995	146.819	138.036	130.313	129.852	119.829	114.254	117.803
214	7/29/2022	139.22	135.686	131.667	135.205	134.961	132.528	129.854	121.883	120.548	112.155	110.174	105.21	102.572	98.2	95.752
215	7/30/2022	120.537	121.053	122.698	119.461	118.599	123.865	120.502	118.581	115.594	114.264	115.856	111.773	111.028	107.464	93.077
216	7/31/2022	121.271	126.82	124.785	128.416	121.561	119.983	123.857	128.06	125.722	122.216	119.1	119.353	102.265	96.826	95.297
217	8/1/2022	157.629	158.723	163.596	153.31	147.074	142.461	141.562	138.165	141.854	131.438	129.378	125.021	124.195	119.968	111.479
218	8/2/2022	154.016	152.209	157.936	155.705	156.442	158.59	156.615	164.36	156.044	147.083	136.784	129.099	126.764	116.237	115.219
219	8/3/2022	173.541	175.996	171.46	171.587	175.5	179.675	169.539	161.546	156.438	159.097	151.667	145.252	138.137	134.043	127.608
220	8/4/2022	142.031	144.372	141.952	138.841	143.332	145.652	134.917	130.404	130.307	125.333	125.205	115.458	112.876	111.008	111.05
221	8/5/2022	134.909	143.582	144.01	147.526	147.339	142.257	137.657	140.558	130.75	126.452	123.094	121	112.583	113.213	109.84
222	8/6/2022	120.607	121.541	121.304	122.635	129.536	129.504	122.901	125.357	123.424	118.324	124.137	114.153	113.945	110.978	104.516
223	8/7/2022	162.268	163.561	161.406	164.815	159.115	155.283	160.636	159.173	153.672	152.271	139.299	129.814	129.597	128.59	124.011

	B	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
4	measurement date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
180	6/25/2022	376	331	280	261	244	237	227	178	144	132	103	100	95	92	118	224	242	336	410	516	632	627	590	513
181	6/26/2022	462	403	366	345	334	322	301	264	202	174	127	161	147	199	132	163	273	404	519	527	634	618	567	494
182	6/27/2022	422	372	335	286	267	251	250	206	169	113	84	55	41	40	49	64	106	171	316	439	524	489	460	377
183	6/28/2022	311	266	243	230	213	217	228	141	96	73	44	35	34	34	54	70	96	160	279	381	460	454	424	347
184	6/29/2022	301	251	226	214	208	210	213	160	131	84	41	35	31	43	44	66	111	191	324	454	535	539	492	401
185	6/30/2022	346	302	267	249	228	236	229	171	135	100	69	53	56	64	62	92	161	269	440	561	643	645	614	550
186	7/1/2022	482	432	402	382	353	340	339	308	262	187	150	135	192	187	224	317	361	345	615	633	704	677	633	569
187	7/2/2022	511	453	422	375	354	326	337	303	217	178	162	119	134	172	138	151	185	262	401	572	597	620	605	555
188	7/3/2022	470	431	386	350	333	319	295	228	188	161	123	112	91	93	100	138	187	290	409	550	618	626	571	505
189	7/4/2022	438	404	348	316	281	268	258	223	178	150	117	98	103	109	101	115	172	267	472	610	691	681	654	583
190	7/5/2022	496	442	413	385	368	369	372	315	271	245	167	147	141	257	335	217	173	359	532	565	692	711	666	595
191	7/6/2022	487	449	421	403	384	384	387	345	256	207	174	110	104	122	465	463	434	412	391	404	504	553	504	432
192	7/7/2022	373	324	304	279	277	269	272	237	201	163	157	204	151	130	131	172	245	355	510	581	642	637	580	512
193	7/8/2022	457	405	380	346	325	322	314	286	227	195	302	283	322	213	216	235	282	376	351	459	526	528	481	421
194	7/9/2022	378	346	306	291	273	267	270	277	262	252	250	264	195	192	199	181	132	166	251	377	450	485	472	422
195	7/10/2022	362	305	274	254	236	220	209	169	148	115	84	72	63	59	79	123	193	321	439	554	589	606	538	472
196	7/11/2022	389	336	303	277	269	248	258	217	187	134	100	100	106	116	103	144	209	280	474	555	618	643	597	514
197	7/12/2022	422	409	379	353	331	322	327	283	229	174	165	117	123	103	118	127	179	277	437	553	642	648	588	504
198	7/13/2022	446	386	349	314	293	283	285	245	199	129	99	109	110	129	135	148	188	282	422	552	610	618	585	506
199	7/14/2022	428	368	351	314	300	293	287	251	201	147	110	85	112	114	94	128	189	288	396	512	604	584	517	447
200	7/15/2022	393	351	314	290	269	261	262	212	169	121	95	87	111	99	120	175	240	359	455	501	567	551	526	481
201	7/16/2022	421	370	339	308	312	292	284	204	186	198	109	93	87	89	123	147	222	366	436	577	667	664	612	555
202	7/17/2022	503	452	420	397	373	360	353	370	356	356	350	245	268	303	288	289	280	319	404	458	547	532	486	417
203	7/18/2022	347	321	288	276	267	260	287	314	281	203	169	138	207	168	156	140	173	259	359	486	584	587	541	446
204	7/19/2022	383	339	314	281	271	265	280	240	207	170	136	140	141	125	149	187	215	307	444	593	674	697	640	553
205	7/20/2022	468	423	398	369	345	322	328	285	242	184	162	161	142	170	196	244	285	404	557	683	782	763	737	672
206	7/21/2022	593	511	464	407	382	344	344	335	259	177	118	110	126	118	103	130	186	301	437	602	686	661	625	558
207	7/22/2022	481	419	369	359	324	312	313	290	250	190	128	101	101	118	122	175	221	359	498	659	727	732	667	591
208	7/23/2022	541	463	427	386	368	359	333	260	236	198	246	269	189	115	117	136	210	340	442	579	669	647	614	571
209	7/24/2022	505	459	439	417	394	367	357	325	236	194	171	236	197	259	208	216	338	441	629	753	750	725	628	556
210	7/25/2022	492	451	418	397	376	356	375	361	381	285	149	159	181	197	259	272	295	396	460	505	563	541	508	431
211	7/26/2022	359	328	309	292	285	278	287	332	270	234	262	231	215	153	171	161	160	206	316	453	519	528	500	419
212	7/27/2022	361	320	294	272	270	265	287	288	337	345	352	280	158	181	180	164	138	247	353	476	585	562	508	437
213	7/28/2022	383	336	317	285	279	285	288	267	193	139	123	119	90	105	118	148	184	306	492	628	662	620	563	482
214	7/29/2022	434	392	364	335	327	325	327	278	215	170	121	106	117	136	115	162	194	263	368	485	542	533	465	402
215	7/30/2022	354	312	265	237	225	222	216	190	152	114	116	87	61	62	97	93	146	335	363	425	485	482	464	423
216	7/31/2022	358	319	291	277	262	240	253	266	272	240	159	126	107	152	168	181	211	242	290	397	493	494	495	414
217	8/1/2022	340	303	284	263	264	250	280	261	220	197	213	214	148	86	112	186	268	459	451	597	629	584	541	481
218	8/2/2022	429	386	356	322	307	302	294	251	206	156	129	98	107	107	134	175	188	301	479	578	619	627	604	487
219	8/3/2022	419	369	339	306	286	272	275	257	211	153	129	101	110	161	169	242	367	462	582	622	697	696	629	545
220	8/4/2022	477	440	421	385	367	339	341	333	235	187	127	159	177	215	331	290	281	435	579	584	575	563	511	450
221	8/5/2022	384	353	328	308	300	291	291	291	265	321	327	288	163	142	132	177	263	310	393	465	553	575	521	457
222	8/6/2022	422	372	341	330	329	318	307	306	312	368	324	303	256	172	178	209	266	259	361	448	481	505	491	444
223	8/7/2022	384	352	317	288	274	254	268	237	225	191	130	103	149	174	228	243	310	319	459	612	647	640	604	512

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
4	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330
224	8/8/2022	8	1	118.703	116.572	109.883	109.363	104.719	103.1	100.945	99.721	95.344	93.758	89.271	87.151	87.074	82.988
225	8/9/2022	8	2	138.007	132.125	126.19	124.647	123.811	118.277	112.524	118.94	108.057	111.639	109.454	104.686	102.088	96.365
226	8/10/2022	8	3	118.708	117.049	110.899	108.55	104.471	100.38	99.472	97.673	93.512	97.419	94.004	93.602	84.466	90.162
227	8/11/2022	8	4	98.528	99.045	94.045	91.402	86.198	82.508	81.49	77.636	75.318	75.462	75.465	75.693	71.467	70.639
228	8/12/2022	8	5	102.96	99.169	92.116	87.35	87.711	83.036	81.184	78.729	79.66	77.833	76.838	75.737	71.582	69.334
229	8/13/2022	8	6	79.391	83.201	80.742	72.892	71.065	68.621	65.664	63.229	61.738	63.338	62.093	58.24	54.922	58.588
230	8/14/2022	8	7	99.398	96.372	88.115	86.474	84.364	85.496	85.968	79.92	79.044	75.424	69.174	65.485	65.401	61.331
231	8/15/2022	8	1	82.48	79.542	74.268	74.216	76.238	70.353	69.766	65.252	63.918	65.892	63.063	60.373	63.155	63.443
232	8/16/2022	8	2	87.401	86.482	78.326	74.623	79.296	76.93	71.899	64.326	68.429	65.898	63.638	62.034	62.851	62.241
233	8/17/2022	8	3	88.975	83.311	80.539	75.639	79.899	77.402	75.637	70.402	70.106	68.939	65.479	66.482	62.259	61.191
234	8/18/2022	8	4	91.327	90.555	83.685	82.371	77.94	76.617	71.975	71.518	72.988	71.812	69.35	65.62	63.932	61.729
235	8/19/2022	8	5	88.874	86.184	81.014	78.705	74.803	75.38	72.671	70.879	73.737	67.781	68.294	62.985	59.822	60.918
236	8/20/2022	8	6	104.601	94.5	98.433	97.248	92.138	88.125	86.704	83.85	85.913	78.868	76.09	74.261	75.474	70.589
237	8/21/2022	8	7	90.828	94.65	92.79	91.697	86.348	81.309	81.996	77.089	72.75	74.48	71.801	69.862	71.779	70.173
238	8/22/2022	8	1	80.707	73.761	78.796	75.808	72.125	70.267	67.482	70.024	65.63	65.861	63.653	65.613	62.301	57.961
239	8/23/2022	8	2	83.005	78.883	75.207	72.823	71.046	70.189	69.82	70.845	69.729	65.535	62.994	61.865	64.529	59.637
240	8/24/2022	8	3	81.761	81.737	82.758	73.606	71.254	65.333	69.293	65.148	61.134	63.138	61.586	59.826	62.578	58.225
241	8/25/2022	8	4	89.094	84.67	83.328	79.781	84.017	76.77	73.526	71.909	71.498	70.932	70.517	65.712	63.304	65.584
242	8/26/2022	8	5	95.944	91.044	87.895	93.186	81.433	79.523	80.625	76.669	76.156	75.443	72.085	69.018	71.32	71.948
243	8/27/2022	8	6	98.578	90.234	89.097	92.577	89.114	85.27	88.823	80.23	76.507	70.714	73.198	67.316	73.011	69.124
244	8/28/2022	8	7	104.003	98.296	94.416	89.992	89.103	86.465	87.579	80.471	78.679	76.735	75.378	77.689	78.489	75.569
245	8/29/2022	8	1	138.579	130.124	125.73	123.425	124.149	111.795	113.768	108.83	111.476	104.69	103.505	102.806	101.207	102.277
246	8/30/2022	8	2	94.692	86.895	83.838	87.646	86.157	83.635	80.406	78.265	79.256	78.345	77.073	72.221	72.727	72.835
247	8/31/2022	8	3	85.511	84.744	82.395	79.725	79.128	77.094	73.979	69.913	68.041	64.994	63.783	64.756	66.385	60.76
248	9/1/2022	9	4	81.229	79.555	73.825	70.068	72.947	71.15	67.707	63.51	65.127	63.234	60.602	59.09	56.663	56.273
249	9/2/2022	9	5	90.688	86.014	83.358	82.426	78.435	80.042	75.081	73.578	74.522	70.371	73.776	72.026	65.938	63.53
250	9/3/2022	9	6	101.896	99.554	100.976	95.271	92.227	91.152	87.32	84.893	86.179	84.954	85.626	80.682	76.236	77.764
251	9/4/2022	9	7	76.259	78.184	73.414	72.516	71.825	71.933	64.984	63.926	65.929	63.951	66.287	69.405	68.502	70.183
252	9/5/2022	9	1	98.828	91.87	93.35	86.924	89.859	82.478	82.122	77.003	81.116	81.071	75.944	72.185	71.406	71.231
253	9/6/2022	9	2	91.106	86.394	81.196	86.57	83.141	80.018	79.7	81.304	81.622	77.04	77.591	74.765	73.897	70.202
254	9/7/2022	9	3	74.493	78.379	79.241	77.035	77.142	69.374	73.088	70.949	65.636	65.193	62.114	61.4	60.365	56.285
255	9/8/2022	9	4	83.251	81.345	73.727	70.395	69.48	64.792	65.171	64.574	64.23	65.38	64.4	58.792	58.264	56.947
256	9/9/2022	9	5	76.096	67.663	68.577	67.047	67.833	65.716	64.894	61.956	59.78	59.623	58.113	56.784	53.021	54.972
257	9/10/2022	9	6	91.309	93.496	87.999	86.399	84.88	84.118	80.059	79.742	80.783	77.078	74.041	74.646	72.219	69.888
258	9/11/2022	9	7	89.337	87.164	82.337	80.834	82.284	83.008	76.681	78.305	77.37	75.143	73.503	73.74	68.332	67.953
259	9/12/2022	9	1	78.796	75.356	70.528	72.077	71.38	72.689	73.554	68.117	63.918	62.988	64.34	59.666	60.12	59.617
260	9/13/2022	9	2	60.857	59.963	63.985	63.784	61.277	58.958	58.466	57.337	58.559	51.081	51.323	49.081	49.896	51.359
261	9/14/2022	9	3	65.498	66.922	60.626	60.59	59.4	59.995	58.271	58.006	56.314	56.247	57.525	56.001	53.639	50.819
262	9/15/2022	9	4	65.665	67.499	66.286	64.738	60.163	64.162	58.931	60.94	54.591	56.78	56.955	53.676	50.013	50.036
263	9/16/2022	9	5	76.876	75.573	71.979	69.39	65.31	65.082	64.348	63.972	59.491	57.936	58.368	57.531	54.982	54.414
264	9/17/2022	9	6	83.155	78.395	75.85	71.819	73.864	73.475	72.105	73.621	68.104	69.351	67.809	65.852	64.882	60.962
265	9/18/2022	9	7	80.929	78.936	73.864	71.395	68.468	67.193	65.579	65.665	68.645	64.317	62.329	61.092	59.469	56.73
266	9/19/2022	9	1	89.04	82.432	84.161	83.525	81.227	77.983	76.307	77.831	73.894	70.698	69.391	68.672	66.636	61.944
267	9/20/2022	9	2	92.22	89.626	85.849	81.197	81.376	79.331	78.053	73.35	74.001	70.886	68.144	67.921	62.945	61.734

	B	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
4	measurement date	D_0345	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730
224	8/8/2022	77.266	77.839	76.69	82.016	74.564	81.686	78.502	76.832	79.867	79.592	79.056	80.825	81.303	76.916	81.842	74.888
225	8/9/2022	98.801	100.761	95.239	90.819	90.552	93.697	89.404	88.935	89.35	85.503	87.938	92.684	85.047	91.304	91.768	90.038
226	8/10/2022	79.664	78.581	81.745	80.587	77.182	79.131	79.208	78.192	78.4	78.874	81.483	88.564	80.894	87.091	87.41	87.794
227	8/11/2022	66.973	68.872	68.555	68.108	68.216	67.784	65.481	66.285	66.046	64.821	67.275	68.415	68.278	68.144	67.801	65.582
228	8/12/2022	69.311	62.663	65.293	65.228	66.765	63.821	64.186	63.755	60.886	65.4	63.563	70.809	65.446	67.4	67.67	63.196
229	8/13/2022	56.481	53.104	52.782	52.227	50.5	50.536	52.168	52.699	53.223	53.854	51.915	50.337	52.498	50.743	46.921	44.257
230	8/14/2022	62.654	60.698	59.455	60.705	63.403	62.398	56.036	55.07	56.356	55.064	56.345	57.725	53.495	56.352	53.765	52.361
231	8/15/2022	62.327	60.646	61.051	63.393	64.449	56.17	62.099	58.993	61.583	59.402	60.18	66.171	69.224	68.384	69.959	66.562
232	8/16/2022	58.453	60.272	58.908	60.577	56.978	56.438	55.676	56.343	57.48	57.071	60.201	60.196	65.166	63.576	63.283	59.644
233	8/17/2022	61.616	63.452	62.76	60.408	62.017	60.882	62.374	58.168	58.923	62.26	65.04	65.909	70.814	73.195	65.818	61.018
234	8/18/2022	59.308	62.403	58.595	57.567	58.119	57.741	54.558	55.09	57.94	60.765	62.949	65.548	64.306	67.909	68.502	66.585
235	8/19/2022	59.747	58.438	58.783	59.848	62.904	58.326	58.397	58.521	60.564	61.928	64.455	65.096	70.553	71.744	71.922	62.647
236	8/20/2022	67.048	65.953	68.829	66.335	64.566	64.301	65.977	62.168	62.675	61.603	62.502	60.244	60.401	61.633	59.51	57.161
237	8/21/2022	68.859	66.333	66.26	58.599	64.036	63.985	62.099	59.019	58.242	58.79	59.712	65.694	64.902	61.953	66.927	64.207
238	8/22/2022	58.987	57.723	59.673	61.359	62.067	61.18	60.906	57.436	61.687	59.5	64.009	69.156	74.624	72.475	72.757	63.637
239	8/23/2022	58.444	57.427	56.766	55.781	55.967	57.447	58.279	58.502	61.945	59.628	62.57	63.048	69.702	69.984	68.711	63.356
240	8/24/2022	59.24	55.988	57.138	55.866	54.694	54.571	56.483	55.239	56.328	56	58.398	62.14	63.986	71.082	68.194	59.108
241	8/25/2022	63.101	59.134	59.063	61.948	62.827	58.449	62.222	64.811	60.452	63.239	64.733	65.906	67.603	66.657	66.766	67.636
242	8/26/2022	68.147	68.505	67.505	65.138	66.232	65.754	68.766	67.745	65.967	65.362	66.979	71.901	73.557	80.096	73.784	70.653
243	8/27/2022	68.776	65.356	62.913	62.435	67.033	63.305	59.824	61.068	61.112	60.21	59.219	56.826	57.263	67.491	66.959	59.937
244	8/28/2022	74.305	75.188	72.374	70.799	69.737	65.961	67.442	63.54	64.595	62.791	64.101	63.507	60.775	63.066	64.443	60.8
245	8/29/2022	99.804	97.902	93.64	98.23	97.398	92.007	92.835	89.65	92.526	91.027	94.739	94.124	105.377	104.322	98.144	100.225
246	8/30/2022	70.124	68.497	70.257	68.535	71.185	70.091	63.923	68.522	71.746	75.812	74.17	79.874	82.47	85.141	82.476	79.622
247	8/31/2022	60.295	60.248	55.911	55.209	55.902	57.854	57.152	54.698	59.416	63.818	62.669	66.726	69.01	70.716	67.939	66.051
248	9/1/2022	60.649	55.232	57.306	55.624	55.198	55.902	60.231	59.714	57.862	59.842	63.481	65.439	63.906	68.74	72.884	65.248
249	9/2/2022	64.967	65.477	64.667	61.823	57.347	61.804	60.571	61.28	61.546	61.278	68.347	66.096	67.212	71.895	72.091	71.43
250	9/3/2022	76.387	75.517	76.375	69.492	72.364	73.702	71.996	68.018	71.185	71.357	71.37	75.217	75.273	72.776	78.216	76.905
251	9/4/2022	66.886	67.305	63.052	64.604	62.502	59.24	61.197	61.888	60.836	61.428	65.311	62.398	65.975	66.91	63.597	66.757
252	9/5/2022	73.958	70.822	68.947	68.393	71.299	72.593	69.367	69.5	72.63	70.767	69.629	68.485	68.416	69.911	66.877	72.293
253	9/6/2022	71.067	68.195	72.783	66.586	75.151	72.138	75.956	71.565	71.139	73.136	79.99	77.935	82.488	82.339	87.175	87.006
254	9/7/2022	57.301	56.599	57.324	58.048	60.803	55.246	59.654	57.363	59.238	59.318	67.7	66.768	70.338	77.481	71.757	64.475
255	9/8/2022	58.382	53.829	54.018	55.118	54.947	53.602	58.606	53.942	52.469	58.18	55.787	60.209	65.221	64.098	66.877	64.15
256	9/9/2022	51.58	50.948	50.029	52.463	52.672	52.447	54.773	52.274	52.464	54.646	56.7	60.855	65.544	62.634	61.57	59.568
257	9/10/2022	71.31	66.989	66.205	67.298	67.391	67.378	69.803	67.57	67.056	63.087	65.721	64.627	64.607	66.594	72.387	76.252
258	9/11/2022	69.019	65.089	66.753	67.466	63.171	61.602	58.423	60.876	61.799	61.761	60.251	60.971	64.987	62.64	65.131	68.577
259	9/12/2022	56.335	55.523	58.201	60.091	59.943	57.267	56.96	57.547	58.431	57.08	61.409	62.161	72.668	73.696	69.237	72.73
260	9/13/2022	50.302	48.972	46.538	47.012	50.363	50.658	49.523	49.638	47.908	49.593	53.414	60.37	59.932	64.41	62.898	60.098
261	9/14/2022	48.925	48.157	49.542	47.23	48.93	49.464	47.329	50.187	52.432	53.501	57.845	61.519	60.531	61.867	61.886	60.438
262	9/15/2022	50.334	50.95	49.351	46.383	48.131	48.91	47.978	46.878	53.397	52.217	55.363	58.077	57.866	62.828	62.021	56.485
263	9/16/2022	51.588	50.439	50.557	52.365	51.103	50.968	52.18	53.862	53.202	52.967	57.088	58.614	59.477	63.067	61.868	62.158
264	9/17/2022	63.639	59.682	55.698	57.173	56.451	57.777	52.873	55.008	54.681	51.904	54.773	57.787	54.698	58.582	61.589	57.745
265	9/18/2022	53.347	53.33	54.603	53.618	50.451	50.855	50.499	51.867	50.237	48.027	47.957	52.171	51.804	53.841	52.722	55.14
266	9/19/2022	63.082	61.451	58.684	63.977	59.377	58.966	59.652	58.251	60.081	59.922	64.341	68.503	73.469	78.594	72.788	70.027
267	9/20/2022	61.908	57.243	60.107	61.189	54.999	55.949	60.05	56.743	58.726	60.868	67.653	64.694	61.049	64.849	65.949	64.658

	B	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY
4	measurement date	D_0745	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
224	8/8/2022	72.43	65.832	61.988	62.461	54.56	53.569	45.43	50.39	46.901	41.149	37.823	34.904	34.215	33.059	30.74	30.911	34.473
225	8/9/2022	79.95	78.879	72.404	66.858	69.464	60.968	57.296	59.413	56.686	56.423	47.092	43.661	34.985	35.308	40.764	43.494	38.408
226	8/10/2022	84.733	83.126	83.259	74.726	58.371	61.558	56.142	53.402	49.611	38.442	40.873	47.456	37.436	32.229	34.901	34.773	40.517
227	8/11/2022	61.6	57.565	53.974	47.429	44.231	44.629	39.583	31.169	31.015	27.424	25.408	22.83	21.423	20.594	18.208	14.989	12.833
228	8/12/2022	58.981	52.137	48.086	48.3	45.289	35.621	31.222	28.095	26.468	28.149	23.668	19.406	15.908	13.039	11.997	9.837	8.344
229	8/13/2022	48.261	43.99	42.268	39.309	34.852	31.525	29.114	26.211	21.826	22.344	23.084	20.725	18.349	13.174	9.164	9.177	7.927
230	8/14/2022	51.269	51.335	42.03	48.818	64.803	78.297	72.081	57.903	60.437	66.178	72.118	69.185	53.441	46.786	40.327	43.233	36.086
231	8/15/2022	65.776	61.391	54.602	58.745	51.034	51.007	47.758	39.111	33.498	31.809	32.371	25.35	25.845	28.359	30.808	30.703	26.537
232	8/16/2022	52.456	52.297	49.15	48.172	46.155	38.31	30.727	24.843	21.505	20.065	20.59	22.379	20.978	21.838	16.928	14.711	17.365
233	8/17/2022	64.363	54.157	50.932	51.326	40.624	35.511	35.906	37.651	28.561	27.397	24.854	21.379	19.557	20.197	18.891	20.186	24.226
234	8/18/2022	60.397	58.922	51.135	48.526	47.643	40.431	32.494	31.198	27.8	26.616	25.045	20.383	16.279	13.012	13.385	12.339	10.765
235	8/19/2022	56.692	56.804	50.24	43.35	38.129	36.461	33.642	29.822	29.133	29.547	25.804	21.127	17.023	16.536	16.203	15.904	13.509
236	8/20/2022	55.576	44.898	44.803	46.87	47.321	50.013	54.77	43.904	43.127	46.997	36.557	36.044	42.317	41.452	38.257	28.895	23.946
237	8/21/2022	66.368	64.153	60.516	59.025	51.453	56.235	59.19	45.671	45.977	54.626	56.509	62.235	63.869	59.753	58.678	52.573	66.128
238	8/22/2022	55.954	53.707	54.397	45.108	41.439	35.103	35.904	35.562	33.107	29.798	26.981	27.845	22.642	23.477	28.073	26.676	28.422
239	8/23/2022	55.845	50.976	48.131	41.477	37.565	31.268	34.684	28.946	25.388	23.987	17.676	20.515	17.165	15.993	16.275	15.206	16.822
240	8/24/2022	55.345	47.063	46.198	42.016	36.775	31.076	34.197	30.743	26.626	23.622	20.728	15.748	14.559	13.19	15.768	17.344	20.933
241	8/25/2022	63.311	61.263	53.607	43.648	36.985	35.793	35.722	29.682	28.401	30.503	22.974	19.624	19.987	22.084	19.97	17.165	15.421
242	8/26/2022	74.167	64.48	60.338	54.398	54.231	44.869	38.507	35.251	38.887	38.293	35.952	26.775	29.059	24.297	23.63	21.472	22.27
243	8/27/2022	57.38	58.181	54.232	48.087	44.495	44.245	43.762	40.152	41.979	36.264	33.202	28.286	29.071	23.261	25.204	28.172	21.397
244	8/28/2022	58.087	57.594	59.284	54.152	46.319	53.652	55.864	46.803	45.047	40.291	36.523	39.094	36.952	35.89	33.357	27.538	29.489
245	8/29/2022	89.551	79.473	71.495	66.916	69.787	59.888	65.13	53.555	55.64	46.598	42.493	48.289	45.283	38.653	37.048	36.384	33.077
246	8/30/2022	82.744	81.53	72.687	73.953	67.732	63.503	59.394	54.371	54.304	51.855	47.47	41.631	39.446	38.06	35.26	30.214	21.816
247	8/31/2022	56.496	50.504	44.659	38.584	32.405	33.309	32.315	28.441	26.276	23.206	21.926	17.518	12.855	12.795	15.23	16.491	16.859
248	9/1/2022	57.94	48.684	46.745	44.379	40.136	34.159	36.023	28.689	26.243	22.67	24.146	22.188	15.723	13.884	15.617	12.664	12.5
249	9/2/2022	60.971	53.694	50.718	44.246	40.264	33.661	28.032	29.832	24.589	26.706	21.551	19.265	19.905	25.191	25.07	22.974	19.589
250	9/3/2022	74.37	69.319	69.531	68.917	64.478	58.399	70.117	80.376	87.49	82.076	67.299	58.465	61.256	75.193	69.228	71.539	59.816
251	9/4/2022	64.988	71.782	70.907	76.749	70.431	68.378	60.741	57.02	49.588	50.344	57.071	57.31	43.54	39.101	46.928	48.342	41.548
252	9/5/2022	69.183	67.678	68.349	68.872	65.82	64.389	66.308	75.493	70.489	50.964	47.974	47.9	41.375	44.942	45.396	42.346	47.53
253	9/6/2022	79.46	78.299	79.907	73.413	72.037	76.86	74.614	70.767	62.014	59.268	63.384	58.936	57.416	55.976	57.854	65.655	60.007
254	9/7/2022	63.588	56.522	50.573	44.825	37.077	34.48	30.388	27.26	27.935	27.164	24.85	18.498	14.267	13.904	14.329	13.116	13.846
255	9/8/2022	60.857	55.592	48.182	41.6	38.589	33.136	26.79	23.884	23.555	18.22	16.899	15.745	12.872	13.884	12.295	12.787	12.908
256	9/9/2022	56.729	47.434	45.652	40.609	33.621	33.603	32.27	26.814	20.712	21.288	17.95	15.059	14.422	10.365	11.504	12.639	11.416
257	9/10/2022	73.645	71.567	65.369	61.118	53.545	55.334	48.367	48.009	42.561	49.323	36.816	33.647	26.788	24.458	23.979	28.838	31.398
258	9/11/2022	68.803	77.118	70.895	74.084	83.513	78.157	85.804	84.803	68.643	67.666	66.979	61.986	56.234	54.076	45.03	45.223	39.798
259	9/12/2022	65.328	65.273	60.83	49.453	43.317	37.686	33.774	34.71	27.178	22.079	22.369	20.148	17.863	17.598	12.555	11.333	10.427
260	9/13/2022	57.112	48.883	44.99	39.778	38.629	38.24	31.708	25.546	20.096	18.961	22.043	17.975	18.465	13.386	10.451	10.414	13.051
261	9/14/2022	59.363	52.696	44.378	36.952	31.922	28.967	25.471	23.427	20.573	18.538	17.887	16.855	15.72	14.526	15.289	11.776	13.734
262	9/15/2022	57.191	43.815	39.846	34.19	30.249	27.799	22.738	21.516	21.278	16.871	16.82	15.204	14.022	10.726	9.163	6.943	6.746
263	9/16/2022	59.39	50.783	47.909	44.099	39.079	34.294	29.314	25.141	25.334	21.609	16.997	18.428	14.874	12.554	8.463	8.841	8.225
264	9/17/2022	57.538	50.87	46.804	45.068	39.972	37.522	33.622	31.336	30.526	27.367	24.736	24.011	26.64	24.898	18.981	19.074	14.795
265	9/18/2022	53.616	51.623	52.647	49.773	45.784	44.868	41.728	36.604	30.471	33.189	27.458	23.833	22.341	23.075	17.949	13.968	13.871
266	9/19/2022	70.505	73.179	71.555	59.192	46.266	35.942	35.615	35.846	33.378	36.581	26.286	25.406	20.669	21.531	14.777	14.159	15.3
267	9/20/2022	69.243	60.623	53.836	52.723	39.845	34.868	31.87	30.99	28.802	26.949	24.521	21.332	18.434	13.875	15.308	16.309	13.784

	B	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
4	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545	D_1600
224	8/8/2022	29.004	34.438	29.312	28.624	32.952	30.12	38.896	42.521	35.997	38.125	35.922	42.603	49.537	59.101	59.711	58.098	50.634
225	8/9/2022	37.982	41.91	41.018	39.432	39.783	48.618	38.25	41.595	55.029	53.428	68.62	65.45	40.856	29.508	32.671	34.866	38.247
226	8/10/2022	44.987	50.255	57.616	51.941	51.979	39.222	27.994	37.676	39.31	53.714	56.073	47.225	39.142	40.511	43.462	46.411	45.08
227	8/11/2022	15.921	15.535	13.759	14.547	14.812	17.008	14.845	17.155	17.66	22.462	19.414	18.734	21.974	23.059	30.335	32.795	40.946
228	8/12/2022	11.544	13.067	13.036	9.849	10.814	11.543	11.117	9.685	10.554	14.261	13.666	13.454	13.112	17.347	18.629	16.28	18.439
229	8/13/2022	8.896	8.046	8.96	8.562	7.268	10.728	11.701	12.282	18.681	17.588	18.519	18.617	17.533	19.552	22.33	23.109	22.567
230	8/14/2022	36.649	33.54	46.249	35.659	27.229	38.449	36.851	27.792	45.621	63.914	52.937	51.533	45.81	34.575	33.79	50.471	49.724
231	8/15/2022	28.647	29.303	24.177	25.814	20.447	18.858	19.861	24.859	33.106	38.577	45.51	41.828	37.169	26.798	24.762	29.75	41.825
232	8/16/2022	18.37	16.322	16.779	17.218	16.237	19.433	23.15	21.332	25.862	26.746	24.079	26.916	32.299	33.858	38.086	34.643	40.453
233	8/17/2022	24.712	25.258	23.656	24.074	20.132	20.881	22.462	23.939	26.422	28.243	29.479	25.974	25.509	29.797	33.192	38.089	30.42
234	8/18/2022	14.957	13.139	16.827	17.983	14.698	15.056	20.267	20.137	22.764	23.322	26.815	29.367	27.954	26.798	34.752	39.432	44.318
235	8/19/2022	18.993	20.038	22.813	23.589	24.62	26.856	28.331	26.15	29.857	29.979	36.738	38.515	36.088	34.648	43.069	43.891	40.052
236	8/20/2022	23.205	26.814	38.934	50.786	28.916	37.945	53.472	59.425	46.392	40.066	51.871	57.002	70.488	91.602	92.514	79.032	53.469
237	8/21/2022	76.694	73.477	68.102	56.021	41.583	42.793	38	50.542	52.536	62.496	74.168	98.187	111.915	111.11	86.276	45.351	39.378
238	8/22/2022	31.865	28.446	29.372	25.162	21.51	23.616	25.836	26.864	27.489	22.036	23.292	23.372	27.987	31.356	30.754	29.973	33.238
239	8/23/2022	23.14	25.794	25.169	23.729	20.216	18.084	21.178	20.453	21.001	23.147	23.987	24.203	22.291	25.118	26.84	25.784	26.434
240	8/24/2022	17.541	19.481	19.573	21.05	27.358	20.576	22.36	24.656	22.533	22.188	23.49	21.435	22.597	28.416	35.421	34.428	28.746
241	8/25/2022	15.395	20.254	25.493	27.639	26.328	20.227	18.083	15.848	18.788	20.559	24.308	26.552	31.713	29.678	32.803	33.944	42.301
242	8/26/2022	21.141	28.418	35.296	35.56	35.562	37.566	46.718	51.801	63.817	73.247	80.224	71.306	34.745	33.25	31.676	28.772	38.669
243	8/27/2022	20.43	19.343	23.557	27.484	25.766	25.345	26.094	28.415	30.431	34.398	36.47	38.63	38.025	41.195	43.973	56.271	63.548
244	8/28/2022	28.297	27.845	30.247	30.425	32.988	36.456	35.421	36.792	40.216	45.176	40.329	50.239	52.683	57.485	59.037	59.502	71.341
245	8/29/2022	37.096	33.142	30.283	32.054	35.224	39.224	41.407	47.718	56.837	63.212	72.739	90.463	102.935	86.616	88.851	111.87	128.047
246	8/30/2022	27.67	29.93	34.633	28.32	29.053	23.467	22.275	20.847	23.973	22.827	26.002	29.472	34.463	35.212	38.94	38.498	36.368
247	8/31/2022	14.087	12.583	12.262	10.852	14.962	12.622	14.056	14.763	14.919	19.739	20.259	21.5	24.667	25.354	30.699	33.535	31.925
248	9/1/2022	15.316	16.993	18.869	18.034	18.343	23.042	25.884	25.773	25.114	33.729	29.617	31.41	32.56	37.327	44.545	46.003	52.403
249	9/2/2022	20.703	18.789	18.159	22.276	31.127	36.15	24.169	23.625	35.24	36.838	32.473	37.535	28.004	25.339	26.209	35.017	50.568
250	9/3/2022	53.218	65.842	70.148	71.701	70.001	63.514	57.614	46.823	40.972	47.253	50.486	48.875	47.872	53.517	69.355	63.737	72.497
251	9/4/2022	39.883	38.72	42.757	39.054	40.049	42.696	38.757	38.245	44.986	42.104	42.372	41.341	36.902	42.907	49.338	54.845	67.282
252	9/5/2022	48.373	49.113	55.065	61.463	57.917	60.969	49.623	47.911	56.1	50.779	39.635	43.752	56.332	68.534	59.316	61.21	57.852
253	9/6/2022	61.958	66.986	61.668	47.318	37.441	35.469	31.337	31.785	31.682	31.859	35.593	38.16	34.096	37.186	33.988	25.137	24.82
254	9/7/2022	14.908	15.593	16.534	20.17	20.822	24.207	18.778	19.981	22.277	20.298	20.836	26.41	32.167	24.626	28.255	30.137	30.944
255	9/8/2022	16.122	17.109	16.023	19.871	19.634	12.506	16.758	12.661	14.055	14.828	16.929	19.642	20.677	24.842	27.893	28.766	29.457
256	9/9/2022	9.454	10.104	9.102	9.538	12.549	12.793	17.408	23.473	23.513	25.258	27.174	28.599	33.016	35.608	40.403	44.792	46.534
257	9/10/2022	32.508	24.989	29.206	35.645	31.094	31.973	35.555	31.141	29.97	29.71	34.847	28.415	32.153	40.365	40.817	45.978	51.485
258	9/11/2022	42.693	47.852	54.877	58.203	63.852	63.957	53.727	51.976	42.423	28.466	32.614	41.272	41.232	42.188	54.279	61.148	61.07
259	9/12/2022	11.491	13.234	11.684	11.609	11.792	11.996	11.057	11.689	13.443	19.766	21.06	20.499	20.061	21.232	20.935	21.907	22.181
260	9/13/2022	11.077	8.662	7.237	8.937	7.957	6.527	8.21	10.143	10.71	10.375	13.975	17.817	18.214	19.87	18.444	23.534	25.994
261	9/14/2022	14.313	16.6	17.799	15.152	15.675	13.954	16.871	17.632	16.296	15.176	18.318	18.194	21.404	24.712	26.531	30.705	28.324
262	9/15/2022	7.347	7.499	9.821	9.871	9.809	8.851	11.091	11.532	12.317	10.578	12.981	11.761	13.728	16.517	19.453	21.91	25.489
263	9/16/2022	8.979	10.643	9.494	10.574	13.352	13.607	12.173	11.819	11.546	11.646	14.623	13.859	16.523	18.745	22.811	26.71	28.659
264	9/17/2022	15.589	17.587	18.242	20.344	21.737	26.579	28.686	27.959	33.546	38.353	42.059	43.52	39.071	45.404	44.314	49.058	53.812
265	9/18/2022	15.376	17.328	16.517	18.616	18.244	24.577	26.993	28.945	31.871	29.204	26.668	34.971	32.126	34.585	39.492	37.514	43.284
266	9/19/2022	17.133	14.259	18.363	19.919	22.666	29.406	33.111	38.234	50.485	53.095	46.742	42.844	46.414	50.072	56.755	61.842	86.377
267	9/20/2022	13.81	13.492	15.57	14.808	14.091	14.274	17.358	14.698	17.198	19.244	18.751	22.371	21.999	22.249	28.517	32.39	37.678

	B	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV
4	measurement date	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345	D_2400
224	8/8/2022	186.861	189.166	189.999	188.21	181.394	181.86	175.846	172.425	168.234	159.883	157.708	154.794	149.147	136.469	135.148
225	8/9/2022	175.03	169.143	167.413	163.667	159.658	160.241	154.669	150.718	150.705	143.846	139.009	139.461	130.592	124.186	125.063
226	8/10/2022	150.54	155.382	148.543	156.103	155.597	156.379	145.885	141.931	135.655	125.918	119.337	116.605	112.058	109.744	98.619
227	8/11/2022	143.318	148.93	151.922	143.264	144.308	141.306	136.285	133.192	135.472	126.572	119.638	115.946	117.555	112.636	109.863
228	8/12/2022	115.915	112.491	113.474	108.363	112.742	112.779	109.991	107.008	103.596	97.897	95.464	90.218	85.896	86.653	80.479
229	8/13/2022	121.056	129.119	128.604	126.64	132.925	129.66	122.533	122.89	120.413	118.02	111.469	103.894	101.686	94.762	94.962
230	8/14/2022	129.984	131.41	124.437	120.687	124.817	121.338	119.813	120.258	108.847	103.539	101.556	90.745	82.847	80.399	77.923
231	8/15/2022	128.295	137.155	131.624	131.003	130.832	124.121	124.848	123.093	117.788	110.92	108.672	106.92	100.007	94.176	85.956
232	8/16/2022	148.278	150.748	147.248	143.621	139.351	136.937	136.766	132.829	122.858	115.15	107.851	104.514	95.581	96.602	95.594
233	8/17/2022	146.643	138.844	141.332	135.109	139.358	133.234	130.29	127.496	123.317	117.83	113.24	110.627	105.089	101.623	99.115
234	8/18/2022	144.962	149.685	142.973	138.857	137.52	138.653	132.538	126.742	118.961	114.534	105.91	101.206	98.885	94.002	93.943
235	8/19/2022	136.893	134.873	132.317	131.548	133.732	131.922	133.065	128.166	128.035	122.465	122.188	119.993	113.99	114.534	107.567
236	8/20/2022	121.571	127.993	120.06	123.626	120.658	121.044	120.226	120.983	117.279	111.891	103.575	102.227	101.769	100.777	98.726
237	8/21/2022	140.592	149.094	140.675	135.662	137.827	138.307	127.523	132.36	131.112	118.619	115.71	104.952	102.911	93.111	86.295
238	8/22/2022	137.439	134.127	134.529	138.74	131.813	135.233	130.351	126.066	116.382	114.878	102.273	97.628	93.502	91.298	85.049
239	8/23/2022	139.384	139.333	144.406	139.111	138.436	135.011	126.484	126.44	124.166	109.135	102.765	97.91	95.993	88.749	87.115
240	8/24/2022	145.676	152.837	147.371	145.834	141.679	138.459	132.021	129.874	125.697	122.402	109.812	106.559	100.417	95.645	93.928
241	8/25/2022	163.94	158.286	147.18	145.189	144.705	138.921	145.652	133.762	128.344	120.576	118.04	108.902	107.838	97.546	95.769
242	8/26/2022	142.928	148.246	149.895	139.88	135.712	133.057	132.647	131.703	126.712	124.889	126.367	117.563	110.781	110.198	105.463
243	8/27/2022	152.825	152.327	146.878	149.165	145.273	143.961	139.19	140.401	134.821	134.083	124.136	121.647	114.019	109.844	103.885
244	8/28/2022	189.588	191.786	193.836	193.718	185.829	180.989	172.156	177.478	175.499	169.174	159.741	158.264	149.16	143.441	136.969
245	8/29/2022	133.09	135.894	130.992	134.468	125.216	121.36	116.1	117.497	120.179	119.927	113.33	107.718	105.551	94.812	93.56
246	8/30/2022	148.589	145.01	143.451	145.843	138.095	133.613	131.138	124.381	123.427	115.704	116.119	106.177	98.583	92.041	84.236
247	8/31/2022	137.312	141.883	138.315	141.819	132.999	126.333	120.201	120.416	118.014	113.894	105.885	97.063	95.976	87.823	86.507
248	9/1/2022	139.846	145.928	142.4	140.767	134.475	131.235	129.079	129.935	127.517	116.197	108.236	108.247	101.069	93.607	91.01
249	9/2/2022	145.301	145.395	140.786	140.45	137.079	135.866	137.153	135.596	137.849	128.957	122.7	121.04	114.705	115.416	103.424
250	9/3/2022	103.248	107.158	113.716	104.967	111.056	104.433	105.551	99.402	96.534	91.765	90.545	90.439	93.822	87.2	76.402
251	9/4/2022	133.111	131.726	135.914	132.577	125.94	126.08	119.161	125.175	118.552	121.157	118.341	115.112	117.63	108.619	98.686
252	9/5/2022	148.646	148.495	145.103	142.249	134.191	130.861	127.232	124.55	126.333	124.567	114.763	105.561	104.541	100.615	94.253
253	9/6/2022	138.074	142.469	145.59	135.996	126.005	131.819	127.998	124.036	117.832	116.357	106.908	102.499	96.143	85.615	84.447
254	9/7/2022	124.335	125.297	122.86	125.863	122.284	121.985	114.267	119.061	111.312	104.068	97.901	90.821	87.134	80.07	85.994
255	9/8/2022	112.387	115.704	116.338	117.104	112.253	117.029	115.027	105.772	102.852	91.95	88.483	90.081	85.778	79.55	77.89
256	9/9/2022	131.178	135.291	129.525	125.401	123.132	127.206	121.462	115.284	111.543	112.779	111.589	107.188	103.739	102.022	94.14
257	9/10/2022	117.043	119.285	119.714	122.082	119.634	113.992	114.94	111.72	107.429	106.153	104.348	104.232	105.391	97.175	92.545
258	9/11/2022	133.891	130.555	129.164	133.398	133.028	136.166	130.987	124.003	112.561	108.188	96.95	95.481	95.062	84.014	78.758
259	9/12/2022	99.165	104.294	103.913	99.052	95.911	94.006	94.169	87.108	91.598	87.681	81.748	73.288	66.79	65.229	63.699
260	9/13/2022	99.949	102.873	101.761	95.417	99.279	95.832	93.688	96.404	89.904	82.302	80.178	76.575	73.179	69.477	67.713
261	9/14/2022	108.676	106.168	108.276	101.416	101.428	109.081	103.72	98.581	95.534	86.516	88.418	80.35	76.716	74.18	67.265
262	9/15/2022	122.206	124.733	118.043	118.795	115.296	115.787	118.006	111.535	106.966	100.768	97.911	94.344	87.881	83.327	81.981
263	9/16/2022	109.628	113.517	110.161	113.675	108.486	109.677	111.528	111.134	107.673	103.422	97.696	97.355	94.306	92.85	86.19
264	9/17/2022	114.519	110.435	106.576	109.857	113.277	115.268	111.289	106.967	99.363	99.719	101.107	92.706	87.934	82.836	81.468
265	9/18/2022	142.637	144.694	143.12	135.164	134.656	137.402	127.347	121.511	119.248	118.443	112.873	106.996	103.415	93.491	86.984
266	9/19/2022	140.004	136.626	140.12	135.72	126.198	129.423	125.629	119.708	117.195	113.436	111.726	106.217	99.688	96.84	96.888
267	9/20/2022	155.48	151.087	149.216	143.962	140.097	135.353	133.413	127.353	125.643	125.951	116.066	111.742	112.497	104.784	96.17

	B	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
4	measurement date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
224	8/8/2022	455	408	366	325	315	315	318	295	233	184	140	125	125	148	166	228	227	360	486	677	753	727	658	576
225	8/9/2022	521	474	434	398	370	353	357	341	270	230	161	161	162	183	228	135	241	453	537	648	681	638	584	519
226	8/10/2022	455	402	379	333	319	315	338	343	278	198	158	155	212	144	196	175	293	342	413	541	603	614	523	437
227	8/11/2022	383	328	302	278	273	263	272	253	190	129	90	62	59	67	83	127	210	362	480	521	586	565	515	456
228	8/12/2022	382	331	310	273	261	254	267	242	177	114	72	42	47	43	54	71	118	215	305	395	458	444	404	343
229	8/13/2022	316	269	245	223	206	212	205	183	148	99	75	35	33	53	72	88	130	236	420	455	501	512	473	395
230	8/14/2022	370	336	289	250	246	223	224	209	234	257	242	156	143	149	214	169	240	361	447	503	522	487	434	332
231	8/15/2022	311	282	253	250	245	242	264	264	215	152	112	117	100	97	163	123	221	328	399	429	519	511	460	387
232	8/16/2022	327	292	260	244	233	227	249	228	182	97	86	67	67	90	110	147	225	272	367	464	585	557	479	392
233	8/17/2022	328	303	271	249	246	242	275	245	178	130	86	88	93	94	109	131	164	302	427	491	567	538	482	416
234	8/18/2022	348	298	280	247	232	228	261	254	188	118	75	51	63	78	107	145	195	308	414	491	578	548	466	388
235	8/19/2022	335	294	273	239	240	239	272	248	168	122	80	65	91	111	141	162	204	299	416	522	544	530	501	456
236	8/20/2022	395	351	315	279	264	252	245	217	189	189	156	114	145	197	219	317	204	461	527	497	488	486	454	403
237	8/21/2022	370	327	289	277	253	238	252	262	227	205	242	254	239	184	347	282	202	326	454	528	575	539	498	387
238	8/22/2022	309	280	261	237	244	240	280	246	176	134	101	115	104	104	97	125	153	294	380	477	544	536	460	367
239	8/23/2022	310	282	260	240	226	238	265	239	158	113	71	71	95	81	94	104	134	256	401	515	563	539	463	370
240	8/24/2022	320	271	246	236	222	224	256	230	156	115	64	72	87	90	90	127	185	302	401	534	589	558	488	397
241	8/25/2022	337	306	279	251	242	251	265	259	170	124	85	68	100	73	103	139	212	271	415	555	618	574	501	410
242	8/26/2022	368	318	293	280	265	268	293	283	214	151	116	89	135	200	260	132	233	319	422	541	583	541	510	444
243	8/27/2022	370	343	288	276	256	242	241	242	191	162	114	95	96	110	148	205	274	322	454	569	606	578	533	449
244	8/28/2022	387	344	308	304	279	258	251	241	213	188	148	119	122	149	188	247	355	463	576	720	772	733	682	588
245	8/29/2022	518	459	422	401	381	366	399	367	268	221	175	144	131	185	329	415	569	620	571	533	544	497	471	402
246	8/30/2022	353	328	307	284	280	280	322	326	278	220	167	115	122	91	113	149	183	316	447	546	580	549	480	381
247	8/31/2022	332	300	262	248	225	235	269	241	149	110	65	63	51	56	86	122	181	292	423	522	560	521	458	367
248	9/1/2022	305	275	248	229	224	238	262	245	165	114	76	56	72	100	127	180	230	341	433	552	573	536	482	394
249	9/2/2022	342	307	291	260	246	245	274	258	169	109	86	88	90	119	135	137	207	314	496	580	574	551	525	455
250	9/3/2022	398	356	337	306	292	283	295	299	261	320	262	254	278	209	194	259	369	429	440	455	431	426	378	348
251	9/4/2022	300	273	266	273	249	245	261	267	286	218	197	177	161	165	163	214	295	336	452	487	526	504	483	440
252	9/5/2022	371	331	310	287	281	282	276	276	267	263	182	184	224	215	190	247	267	430	577	569	593	535	490	405
253	9/6/2022	345	324	311	283	287	292	323	332	302	267	236	245	213	130	140	121	133	269	397	522	562	522	465	369
254	9/7/2022	309	291	254	231	231	236	282	256	167	113	72	56	73	85	100	114	178	270	369	471	491	484	432	344
255	9/8/2022	309	264	253	227	218	223	245	247	162	92	59	54	73	56	72	111	147	220	333	461	458	461	389	333
256	9/9/2022	279	260	234	211	208	214	246	225	153	101	58	45	41	77	114	167	218	321	433	505	530	497	451	407
257	9/10/2022	359	329	307	280	268	268	262	294	235	188	122	117	121	129	125	179	288	331	392	444	474	471	430	399
258	9/11/2022	340	320	300	270	259	243	249	280	307	307	239	173	225	212	144	219	337	449	430	534	526	534	442	353
259	9/12/2022	297	286	251	232	236	230	270	273	191	118	78	46	48	48	81	86	106	260	368	391	406	383	348	269
260	9/13/2022	249	236	210	201	195	197	238	229	162	96	72	45	33	36	60	88	129	188	289	361	400	384	349	287
261	9/14/2022	254	236	226	202	195	203	242	234	142	88	65	55	65	65	73	110	135	232	345	420	433	416	369	299
262	9/15/2022	264	244	222	201	193	200	234	220	132	82	57	30	37	44	49	83	128	278	393	471	491	468	417	348
263	9/16/2022	294	259	233	211	205	212	238	234	165	101	63	35	44	49	57	97	144	287	384	477	449	443	420	371
264	9/17/2022	309	293	271	249	227	214	226	228	169	123	100	68	78	117	163	193	225	314	401	458	450	450	407	345
265	9/18/2022	305	267	256	223	210	201	206	213	193	142	97	61	71	112	123	155	218	329	439	542	569	535	472	391
266	9/19/2022	339	313	283	253	241	238	285	286	213	141	94	61	75	151	189	255	287	359	453	550	550	517	462	400
267	9/20/2022	349	312	281	244	232	236	258	260	181	119	78	59	58	64	82	121	275	419	509	601	603	553	495	425

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
4	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330
268	9/21/2022	9	3	93.235	89.547	87.04	84.951	80.559	76.845	75.994	76.687	72.247	70.781	69.323	67.039	64.77	65.103
269	9/22/2022	9	4	100.202	98.135	95.309	90.491	89.941	88.517	86.13	82.306	83.775	80.899	78.919	78.4	78.509	73.459
270	9/23/2022	9	5	58.925	58.413	54.303	48.584	49.51	48.425	48.583	48.641	51.146	48.918	46.703	47.632	49.442	49.75
271	9/24/2022	9	6	53.253	56.342	57.299	55.154	52.06	49.469	47.247	50.392	50.331	50.056	51.503	48.606	48.657	46.967
272	9/25/2022	9	7	69.685	65.391	62.838	58.182	52.969	51.538	52.906	54.382	56.283	52.365	52.226	48.73	48.351	49.36
273	9/26/2022	9	1	58.332	55.305	54.71	50.396	50.732	47.983	48.186	48.878	49.747	46.992	49.496	47.769	51.457	44.395
274	9/27/2022	9	2	58.888	58.254	54.634	54.431	51.397	48.009	47.8	46.948	46.096	45.857	46.569	43.52	44.02	41.742
275	9/28/2022	9	3	51.339	48.965	48.731	46.082	45.584	45.038	49.7	48.223	44.84	44.642	42.616	42.897	42.834	43.402
276	9/29/2022	9	4	52.556	53.378	53.906	52.169	51.764	47.859	51.301	49.304	49.651	50.645	47.276	46.157	47.097	48.163
277	9/30/2022	9	5	59.212	55.425	54.079	50.131	49.17	48.055	48.992	48.301	47.065	44.762	44.592	44.732	46.993	46.716
278	10/1/2022	10	6	50.726	51.701	49.66	48.496	44.766	45.269	47.031	42.902	44.38	44.237	43.164	40.801	42.241	41.563
279	10/2/2022	10	7	57.528	54.576	55.584	54.537	52.646	51.369	52.425	48.228	45.585	47.535	43.3	44.964	44.838	44.354
280	10/3/2022	10	1	50.137	50.574	47.207	49.487	47.432	47.804	45.204	43.712	44.559	46.385	43.669	44.087	48.149	44.71
281	10/4/2022	10	2	49.797	47.485	51.014	46.506	44.585	44.762	45.705	44.218	46.116	46.622	45.564	43.74	46.399	45.113
282	10/5/2022	10	3	51.052	48.409	49.018	46.608	45.206	45.695	47.067	47.169	42.969	44.17	42.944	44.401	43.083	43.203
283	10/6/2022	10	4	53.309	56.859	53.309	51.425	54.358	50.317	46.21	46.789	46.627	44.276	46.014	45.841	46.257	43.362
284	10/7/2022	10	5	55.552	53.541	53.543	53.714	51.493	47.122	47.846	48.234	49.675	45.996	44.703	44.122	44.833	47.847
285	10/8/2022	10	6	60.77	57.779	52.274	49.567	46.916	48.12	47.423	51.623	52.234	52.232	49.59	48.599	47.725	48.04
286	10/9/2022	10	7	63.323	58.951	61.663	58.113	56.786	59.784	60.576	62.381	58.026	57.179	53.751	50.887	52.098	51.674
287	10/10/2022	10	1	60.016	55.41	54.898	50.989	50.883	54.001	52.832	49.512	51.851	49.139	48.682	49.436	47.173	48.099
288	10/11/2022	10	2	50.048	50.012	51.992	48.993	47.68	46.049	49.623	49.216	52.239	47.565	43.446	43.499	48.094	47.968
289	10/12/2022	10	3	54.148	49.241	48.113	47.18	48.274	48.356	50.595	47.683	50.193	46.447	44.838	42.796	44.924	43.284
290	10/13/2022	10	4	56.806	55.379	49.739	50.732	48.853	49.566	48.416	49	45.407	44.517	46.508	45.76	47.376	45.949
291	10/14/2022	10	5	56.256	52.5	51.625	51.567	51.253	49.84	50.207	55.708	51.378	48.992	46.477	47.401	46.595	47.364
292	10/15/2022	10	6	59.966	54.201	51.691	46.118	46.516	46.307	46.197	46.335	44.264	46.256	49.805	44.755	44.509	46.159
293	10/16/2022	10	7	54.523	51.351	51.148	50.489	50.133	45.223	45.452	48.815	46.891	47.173	44.977	44.21	42.911	47.656
294	10/17/2022	10	1	49.883	48.099	47.748	46.09	45.945	44.422	46.753	47.473	46.426	46.132	42.271	45.666	46.797	43.526
295	10/18/2022	10	2	68.541	66.858	66.24	65.405	63.393	65.503	66.563	66.731	69.677	67.966	61.515	66.377	63.371	61.145
296	10/19/2022	10	3	75.341	73.739	70.877	69.404	70.016	72.076	70.729	70.178	68.559	71.719	66.806	67.921	63.641	67.387
297	10/20/2022	10	4	70.26	69.122	70.016	68.388	69.975	69.476	70.388	71.395	69.698	69.916	66.748	68.645	66.688	67.316
298	10/21/2022	10	5	67.559	68.153	68	62.737	63.536	65.674	68.09	67.949	70.685	59.64	64.071	64.061	65.197	65.726
299	10/22/2022	10	6	54.799	57.438	54.523	52.656	55.64	51.875	51.084	52.756	50.602	50.804	50.729	45.558	50.018	49.549
300	10/23/2022	10	7	53.359	52.337	53.237	50.565	51.062	49.087	47.681	50.155	48.406	45.335	44.978	39.149	42.6	41.754
301	10/24/2022	10	1	53.421	51.129	50.443	48.877	50.292	48.904	46.13	46.358	49.011	46.714	46.5	44.662	43.566	41.328
302	10/25/2022	10	2	54.204	53.726	49.513	49.682	50.376	45.439	46.398	46.881	48.264	44.031	45.867	45.386	42.929	42.497
303	10/26/2022	10	3	57.76	54.983	52.141	50.569	48.088	49.118	47.568	46.106	45.157	44.722	45.547	45.102	42.952	43.899
304	10/27/2022	10	4	55.545	56.187	57.64	55.52	56.158	56.501	55.845	57.549	55.594	56.347	53.152	55.041	56.056	53.675
305	10/28/2022	10	5	63.469	57.217	59.798	56.974	60.578	57	59.606	63.461	60.842	63.312	58.382	53.353	59.131	57.528
306	10/29/2022	10	6	57.345	57.148	54.795	53.209	53.197	51.497	49.408	49.178	50.316	49.464	51.248	47.442	49.08	55.488
307	10/30/2022	10	7	65.256	59.694	60.881	57.259	56.196	53.178	53.225	56.657	54.226	48.578	52.036	51.731	53.409	51.421
308	10/31/2022	10	1	50.485	50.138	47.474	45.563	45.475	43.958	47.939	43.175	43.7	44.168	44.383	42.788	43.153	42.212
309	11/1/2022	11	2	49.124	54.104	50.442	49.18	45.782	45.239	46.015	45.594	42.532	45.175	45.2	45.388	47.243	45.594
310	11/2/2022	11	3	50.784	50.875	52.208	52.653	54.718	50.6	51.842	54.685	54.295	48.272	48.957	48.19	52.035	47.98
311	11/3/2022	11	4	51.177	50.048	47.725	46.619	47.09	46.196	46.086	47.319	47.241	48.908	46.291	46.12	44.877	49.614

	B	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
4	measurement date	D_0345	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730
268	9/21/2022	64.667	60.54	60.886	62.962	61.262	59.232	61.348	61.794	61.262	63.693	66.887	70.297	74.056	78.602	68.891	75.098
269	9/22/2022	77.893	74.026	71.255	75.784	70.223	68.878	73.904	74.412	72.331	73.453	72.07	75.161	73.745	74.039	73.747	77.891
270	9/23/2022	51.663	45.194	45.965	46.827	49.022	50.339	48.835	46.906	45.636	47.576	53.465	54.123	56.44	58.207	57.689	61.093
271	9/24/2022	46.446	45.016	45.655	46.614	43.809	43.982	45.278	46.553	49.142	46.949	45.947	47.559	47.423	47.402	49.918	54.014
272	9/25/2022	45.856	45.455	46.096	46.709	49.529	48.057	47.581	47.033	47.141	48.161	46.832	47.485	47.471	50.829	50.148	53.497
273	9/26/2022	45.843	44.392	47.42	48.243	49.182	48.138	49.73	49.184	55.852	52.381	54.935	55.86	57.458	64.703	60.214	59.95
274	9/27/2022	40.921	41.616	43.526	46.072	45.48	46.309	46.927	49.6	51.55	56.188	58.178	60.881	62.609	63.326	61.849	62.123
275	9/28/2022	46.464	41.967	43.849	43.774	42.926	45.302	47.112	50.389	54.865	52.215	55.304	55.181	62.886	65.789	60.963	63.353
276	9/29/2022	51.841	44.698	44.54	45.663	46.674	45.754	46.478	49.197	50.996	52.784	57.388	63.048	66.952	70.748	68.732	68.631
277	9/30/2022	45.949	47.024	44.342	45.946	43.955	43.433	46.184	48.109	52.279	55.08	57.42	57.45	65.507	64.881	60.139	57.773
278	10/1/2022	40.99	43.763	42.314	40.173	43.6	46.186	42.456	42.995	46.899	45.203	45.845	44.599	47.341	44.467	46.893	54.226
279	10/2/2022	43.228	42.634	42.489	43.741	45.013	43.741	43.889	46.244	46.587	41.955	45.555	44.765	47.08	52.02	53.584	56.087
280	10/3/2022	41.924	42.174	44.61	45.788	41.164	42.667	44.318	43.576	45.748	47.19	50.896	54.978	54.247	57.724	57.244	61.753
281	10/4/2022	46.753	45.628	45.379	45.035	46.694	45.184	43.772	48.029	54.973	56.064	59.479	63.615	65.864	67.343	62.177	59.424
282	10/5/2022	41.557	42.4	43.022	46.63	44.543	44.361	45.261	45.376	49.153	49.778	51.644	58.014	61.665	65.835	66.624	66.178
283	10/6/2022	45.314	45.039	43.912	45.086	46.508	44.318	46.315	43.832	47.906	47.004	51.165	50.829	55.582	61.114	61.41	63.651
284	10/7/2022	45.643	45.553	41.02	44.94	48.909	44.827	44.205	46.723	45.285	46.611	48.549	50.011	54.281	56.572	59.292	55.911
285	10/8/2022	47.859	44.851	48.632	47.896	45.79	44.597	46.719	46.827	50.398	51.856	51.867	49.961	52.524	55.772	60.304	66.393
286	10/9/2022	54.934	53.609	54.277	56.549	54.75	55.628	53.986	52.836	59.944	59.847	53.023	55.878	54.536	62.028	62.397	65.646
287	10/10/2022	47.969	47.56	50.529	48.04	53.198	52.061	55.588	56.868	54.2	55.485	63.102	59.91	66.459	69.126	63.423	65.932
288	10/11/2022	45.93	44.511	45.495	45.263	43.593	44.279	46.676	50.341	52.516	51.513	53.48	55.379	58.614	57.969	59.379	57.35
289	10/12/2022	45.269	43.102	44.989	42.569	45.697	45.194	43.643	45.495	47.7	50.261	51.933	53.08	56.241	60.106	56.744	55.805
290	10/13/2022	41.949	43.535	44.848	44.029	43.2	44.087	44.074	45.856	46.646	51.384	51.23	51.288	56.541	60.273	57.084	52.699
291	10/14/2022	46.007	52.428	51.714	51.979	54.216	53.474	51.883	60.252	56.8	57.031	60.097	59.81	65.137	72.842	67.317	66.291
292	10/15/2022	46.535	43.722	47.57	43.93	40.642	42.497	44.208	46.358	47.055	48.928	47.862	46.526	48.497	50.128	52.152	51.165
293	10/16/2022	42.412	45.894	46.733	48.126	48.016	45.769	44.272	48.401	49.061	53.038	54.24	53.866	51.9	56.861	56.239	61.153
294	10/17/2022	43.734	45.868	45.53	44.645	44.645	47.887	45.972	51.461	49.633	51.542	57.99	63.953	66.157	72.072	77.362	72.095
295	10/18/2022	62.713	59.207	66.014	62.399	64.084	63.775	66.84	67.57	73.901	79.148	83.065	90.292	90.491	102.189	89.827	85.798
296	10/19/2022	64.668	67.11	68.4	67.819	68.475	75.007	74.772	75.818	80.638	78.002	87.154	97.479	94.574	96.377	93.671	90.222
297	10/20/2022	71.27	68.206	69.884	64.77	73.247	71.082	77.824	78.514	81.34	80.769	91.915	91.005	90.577	92.896	91.361	92.864
298	10/21/2022	62.817	64.577	63.845	65.06	62.876	70.073	70.839	69.077	74.296	78.606	86.465	86.777	87.776	88.515	85.907	86.186
299	10/22/2022	47.267	53.019	48.207	49.707	51.522	52.688	48.55	50.13	49.689	52.239	51.648	50.371	54.428	58.832	60.435	67.013
300	10/23/2022	42.814	42.13	42.684	39.078	40.064	39.068	39.316	42.213	45.214	41.188	41.669	42.098	44.124	46.969	52.095	48.293
301	10/24/2022	45.621	40.984	39.843	40.183	43.07	50.286	45.769	45.629	47.924	55.776	55.249	56.502	59.013	65.886	64.29	56.935
302	10/25/2022	41.888	41.872	41.343	41.041	41.79	46.399	47.247	47.453	46.438	49.421	53.772	58.004	58.931	62.293	59.094	54.974
303	10/26/2022	44.877	44.14	42.858	42.182	43.061	41.623	43.215	46.083	49.845	47.959	53.955	54.826	58.868	64.273	57.823	58.482
304	10/27/2022	58.002	61.162	57.757	55.155	61.903	68.671	61.851	64.033	72.129	76.282	76.045	75.469	80.151	80.811	85.998	81.76
305	10/28/2022	54.055	58.461	62.562	58.536	59.021	59.198	63.559	65.442	70.793	70.325	71.624	75.103	78.584	82.996	93.704	89.289
306	10/29/2022	59.815	54.924	57.173	54.421	53.091	54.642	53.745	57.704	54.775	57.335	62.537	58.621	60.735	60.908	66.019	64.984
307	10/30/2022	52.873	51.912	53.373	52.495	52.744	55.437	51.796	53.002	51.588	58.89	56.47	55.658	60.485	58.935	65.832	63.193
308	10/31/2022	40.118	41.227	41.29	39.861	41.584	46.309	44.607	49.297	49.365	49.26	58.616	61.56	63.01	65.873	61.812	62.947
309	11/1/2022	44.072	43.031	45.009	47.118	43.238	43.578	46.606	47.987	53.417	49.514	55.008	54.622	63.776	61.345	58.457	58.466
310	11/2/2022	45.748	42.792	46.232	51.719	45.32	50.397	52.096	54.897	60.326	56.99	61.415	59.797	67.136	74.009	67.948	64.632
311	11/3/2022	47.749	47.014	53.998	54.187	48.572	49.957	50.526	51.092	53.62	56.231	63.15	63.324	71.303	73.528	66.245	65.229

	B	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
4	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545	D_1600
268	9/21/2022	19.52	20.017	17.628	16.214	17.637	17.236	17.851	18.541	22.476	25.446	23.132	25.336	28.065	35.367	39.006	44.357	48.812
269	9/22/2022	15.002	12.09	12.974	8.626	12.926	12.277	15.207	12.004	15.333	13.919	14.957	15.547	17.589	17.275	17.814	18.017	17.663
270	9/23/2022	9.137	8.545	8.813	9.437	7.951	6.266	8.793	7.931	5.815	4.886	5.89	7.233	9.409	8.259	8.351	10.059	15.296
271	9/24/2022	16.924	15.634	16.26	21.181	18.466	13.57	13.371	14.252	10.526	9.889	11.989	12.889	13.654	12.655	17.092	18.455	17.7
272	9/25/2022	12.88	12.144	12.04	12.211	11.572	11.471	10.245	11.578	17.077	17.354	19.358	20.009	19.828	24.419	25.011	37.074	36.24
273	9/26/2022	10.52	11.289	11.728	10.522	9.506	9.678	8.687	10.376	12.238	10.479	13.502	12.138	15.029	11.551	13.326	18.38	20.122
274	9/27/2022	9.679	12.489	10.163	6.514	7.494	7.687	7.316	7.702	8.527	8.266	7.867	9.392	8.159	10.798	10.826	13.033	16.676
275	9/28/2022	24.7	21.544	18.646	18.951	18.783	14.038	17.344	14.834	14.113	15.383	17.166	13.27	10.861	13.888	17.011	23.871	21.992
276	9/29/2022	7.372	8.515	10.44	11.73	11.092	13.251	9.426	7.848	8.785	6.087	8.241	9.252	9.897	7.804	9.113	7.524	11.917
277	9/30/2022	6.626	5.618	4.554	4.755	3.755	4.674	4.283	7.28	6.946	5.41	4.394	5.838	8.16	7.931	6.648	5.934	8.066
278	10/1/2022	10.061	10.508	6.889	7.961	8.31	9.061	9.146	7.79	6.164	7.316	8.907	7.572	6.124	8.976	9.735	11.031	12.209
279	10/2/2022	18.105	16.498	16.36	15.851	12.481	9.816	7.89	8.959	12.528	12.148	11.844	11.834	12.065	14.246	18.04	20.649	21.303
280	10/3/2022	6.401	8.054	9.342	7.441	6.919	5.179	3.82	4.76	5.15	4.607	4.756	7.056	9.929	7.231	9.448	10.156	10.292
281	10/4/2022	7.946	6.591	6.194	6.27	3.511	6.442	6.624	6.86	5.265	9.241	6.052	7.183	5.547	6.04	8.181	10.999	14.127
282	10/5/2022	5.645	5.913	5.797	6.603	7.898	9.032	6.199	6.126	7.47	8.223	6.806	4.282	5.867	6.235	8.933	8.971	9.212
283	10/6/2022	10.669	8.219	9.536	9.473	7.782	7.134	10.234	12.695	16.748	8.974	6.662	7.369	6.95	5.475	6.04	12.553	12.229
284	10/7/2022	8.388	9.566	11.713	14.708	15.736	15.368	14.544	16.308	14.219	11.268	8.244	9.3	11.23	11.229	9.9	10.284	10.909
285	10/8/2022	13.938	11.734	12.419	13.354	12.157	14.626	11.613	9.071	8.416	8.025	9.647	8.919	8.261	8.477	10.095	9.493	9.781
286	10/9/2022	13.612	10.757	9.372	10.334	8.858	12.564	12.868	7.787	5.348	6.162	7.608	7.202	6.588	7.59	8.275	9.453	10.219
287	10/10/2022	9.51	9.695	10.101	9.523	7.813	7.517	7.31	8.077	6.541	8.197	9.661	8.248	11.709	11.091	10.2	9.498	10.554
288	10/11/2022	8.034	8.414	8.869	8.977	9.167	6.632	9.942	12.747	8.967	11.11	11.748	13.312	13.214	16.071	17.099	18.084	18.537
289	10/12/2022	11.942	8.664	15.397	14.05	16.709	12.054	8.199	13.202	11.469	10.056	9.793	11.736	11.006	9.432	13.333	17.027	28.73
290	10/13/2022	6.338	4.589	5.56	5.111	4.916	5.035	3.858	6.106	4.645	6.753	5.089	5.268	9.11	9.678	10.806	10.25	10.729
291	10/14/2022	6.966	8.832	9.523	8.234	7.645	7.885	7.978	8.545	7.951	5.453	7.053	6.307	7.476	10.564	14.108	15.859	15.091
292	10/15/2022	9.839	9.172	7.621	7.66	7.678	5.992	6.109	5.901	7.211	5.179	7.849	6.522	10.1	9.048	12.616	11.924	15.418
293	10/16/2022	17.414	14.299	10.342	8.809	6.313	12.858	9.857	9.536	8.524	11.66	14.459	15.083	16.484	19.478	17.575	14.593	17.584
294	10/17/2022	21.755	21.204	22.225	23.477	25.737	24.252	27.496	24.535	22.979	20.547	24.535	19.751	18.896	20.086	27.746	33.054	29.857
295	10/18/2022	43.056	47.422	36.699	40.599	43.992	42.237	49.739	41.392	40.99	37.937	38.392	40.828	39.422	38.811	36.931	39.322	43.321
296	10/19/2022	12.929	11.026	7.972	11.523	10.356	8.831	8.183	6.811	8.757	7.139	7.064	6.629	9.66	7.972	7.751	11.773	14.44
297	10/20/2022	21.085	27.214	28.194	26.496	23.226	27.404	23.28	23.819	25.575	22.013	21.694	22.22	25.347	25.039	19.446	17.183	15.713
298	10/21/2022	10.323	9.424	11.929	12.036	7.556	14.261	12.067	16.102	14.502	13.801	11.818	9.21	10.075	9.181	8.612	8.829	12.239
299	10/22/2022	7.49	11.431	16.043	13.941	18.459	19.362	11.911	10	11.465	9.495	11.149	12.127	14.701	14.269	17.201	15.442	17.504
300	10/23/2022	9.482	6.893	7.624	9.952	10.233	7.756	10.316	13.671	13.427	16.776	15.49	13.155	14.465	15.219	16.666	14.404	15.343
301	10/24/2022	9.832	10.977	10.42	9.229	8.441	6.482	6.409	7.819	5.996	8.462	12.596	9.856	9.152	14.369	17.324	16.593	15.545
302	10/25/2022	18.26	18.146	16.754	20.875	18.266	13.879	14.568	11.101	12.806	17.991	24.775	25.748	18.061	20.527	27.28	34.69	28.863
303	10/26/2022	37.537	31.34	30.973	33.269	35.296	38.962	41.139	35.969	31.175	33.528	31.666	27.753	27.487	31.446	29.896	34.361	33.937
304	10/27/2022	11.969	7.106	6.808	11.122	6.927	6.833	6.899	8.44	7.618	6.782	8.234	7.267	9.394	8.09	8.058	13.251	15.427
305	10/28/2022	15.137	14.243	12.528	12.664	11.92	12.493	10.407	11.268	15.886	12.045	8.19	7.204	12.413	14.279	15.99	14.967	14.126
306	10/29/2022	16.36	12.516	11.129	8.412	9.391	10.429	9.26	10.635	11.075	11.294	11.105	9.365	9.793	13.485	15.857	14.705	16.579
307	10/30/2022	30.843	24.575	28.595	22.915	25.312	35.753	37.331	34.7	31.069	48	53.025	57.683	59.546	56.944	59.937	67.198	56.947
308	10/31/2022	35.085	31.588	25.033	30.919	29.881	30.005	32.601	27.863	21.424	20.428	19.724	26.879	30.901	36.68	40.141	32.514	30.968
309	11/1/2022	24.225	22.691	16.456	10.335	11.349	14.286	15.957	15.717	17.055	19.84	17.78	22.849	27.398	31.815	29.771	33.863	35.354
310	11/2/2022	28.183	23.105	28.255	22.931	18.224	15.203	13.153	13.379	15.804	18.63	18.969	20.366	19.435	19.277	22.142	22.864	22.753
311	11/3/2022	6.836	7.111	6.802	8.87	7.403	5.895	5.931	6.217	7.434	6.456	6.241	9.499	8.971	9.755	12.547	17.198	16.822

	B	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG
4	measurement date	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945	D_2000	D_2015
268	9/21/2022	57.167	59.98	92.073	95.436	105.062	142.416	131.57	137.013	144.058	161.308	165.164	167.192	169.277	173.131	164.529	168.731	161.544
269	9/22/2022	23.124	23.307	25.47	26.771	34.847	44.035	50.268	53.126	58.903	67.663	68.106	82.941	82.87	84.634	89.131	86.177	99.577
270	9/23/2022	19.34	20.707	25.369	22.58	24.076	30.312	36.661	41.898	45.74	54.656	55.041	63.829	65.681	71.935	75.604	73.718	72.782
271	9/24/2022	17.764	19.008	19.28	25.972	33.535	40.496	40.651	42.425	51.532	54.253	61.457	78.03	81.475	87.614	87.167	82.281	86.877
272	9/25/2022	40.445	35.848	35.836	45.964	55.626	61.115	72	74.324	75.611	73.137	73.389	81.546	85.128	91.836	91.9	95.329	97.683
273	9/26/2022	17.421	16.079	16.479	21.76	24.286	35.258	45.825	44.832	54.597	64.679	63.473	65.047	79.494	77.941	77.814	85.147	87.339
274	9/27/2022	18.307	24.605	22.845	27.347	30.836	32.332	32.511	40.122	40.684	42.379	50.554	59.849	71.719	78.412	76.62	75.656	76.462
275	9/28/2022	24.031	32.419	35.993	36.376	38.281	35.846	32.4	38.367	51.381	55.144	57.711	66.546	74.968	73.501	77.306	78.002	75.053
276	9/29/2022	14.281	14.716	17.65	18.675	18.749	20.781	25.265	31.867	39.009	42.843	51.288	57.422	68.09	69.481	78.941	79.364	78.736
277	9/30/2022	9.242	14.749	15.791	15.974	21.533	25.103	28.748	35.719	39.375	41.266	48.271	52.331	54.105	62.852	71.029	67.979	72.164
278	10/1/2022	15.415	16.496	20.538	20.515	20.817	24.004	37.451	39.26	44.553	45.37	49.552	59.162	65.439	64.518	67.986	69.017	74.101
279	10/2/2022	19.275	18.588	23.119	26.748	31.255	41.993	46.638	43.747	52.391	56.217	62.684	74.341	77.841	82.842	84.365	94.418	96.393
280	10/3/2022	14.439	17.833	20.512	26.131	26.186	33.856	40.39	48.911	52.645	56.8	63.077	69.663	81.09	83.522	83.088	81.542	85.923
281	10/4/2022	13.393	16.134	22.352	27.025	28.456	31.261	33.487	44.03	51.435	49.52	56.678	64.395	74.489	72.829	80.672	86.721	81.748
282	10/5/2022	14.811	16.774	22.406	29.992	32.77	33.865	38.348	45.515	55.072	55.591	70.098	72.458	79.008	85.382	89.391	86.212	86.138
283	10/6/2022	13.55	20.112	23.763	28.112	26.618	30.955	34.678	37.865	43.725	48.413	54.952	64.172	69.494	71.009	70.934	72.284	80.139
284	10/7/2022	16.935	20.387	21.067	24.658	22.867	27.777	34.279	39.764	46.184	51.736	58.368	62.275	71.769	68.843	69.667	78.406	73.347
285	10/8/2022	12.024	17.848	22.717	22.226	23.032	29.929	26.837	33.728	45.216	42.664	51.516	59.819	61.925	67.797	65.092	70.081	70.136
286	10/9/2022	14.467	18.004	19.339	24.878	29.672	30.358	44.357	50.405	51.857	62.253	72.421	76.222	83.39	82.341	85.326	84.979	89.997
287	10/10/2022	14.031	20.9	28.976	29.161	33.283	34.598	39.939	43.447	48.535	51.764	65.457	71.537	82.147	82.212	81.126	80.363	82.973
288	10/11/2022	20.323	22.108	23.641	27.857	31.047	40.781	48.087	56.033	66.848	65.273	66.522	85.848	88.242	84.304	84.015	81.334	81.271
289	10/12/2022	26.683	20.823	27.144	31.251	38.829	47.475	46.038	64.544	70.248	80.983	82.067	78.769	83.017	87.557	83.789	87.177	82.325
290	10/13/2022	15.759	16.122	19.654	27.058	31.206	32.328	42.147	48.036	55.069	59.249	62.857	68.257	66.034	67.133	71.142	75.2	72.651
291	10/14/2022	17.811	18.979	23.158	23.759	27.992	37.39	42.71	52.675	57.219	58.822	65.979	72.066	74.192	79.358	78.406	77.197	77.65
292	10/15/2022	16.583	17.107	21.502	23.88	28.553	24.772	38.534	48.754	51.575	54.801	61.382	66.661	70.116	78.117	76.411	79.423	75.547
293	10/16/2022	22.249	24.561	28.236	35.884	39.106	47.104	45.767	59.957	59.853	67.891	73.703	71.946	80.043	86.477	90.003	84.882	81.727
294	10/17/2022	31.776	30.928	35.029	34.295	39.878	41.997	48.056	64.645	67.586	72.021	80.532	95.206	89.761	91.424	96.482	94.286	96.555
295	10/18/2022	47.188	57.42	61.623	62.679	77.101	83.33	87.946	85.17	101.33	96.532	99.274	99.059	98.053	100.168	104.648	100.724	98.66
296	10/19/2022	15.786	25.26	32.824	34.931	36.565	41.374	41.395	46.403	50.945	65.397	71.123	78.308	83.313	89.962	102.176	89.396	86.606
297	10/20/2022	21.318	22.666	23.375	31.55	38.802	40.695	45.819	48.86	57.129	69.876	77.356	90.649	92.104	88.68	94.49	91.69	94.491
298	10/21/2022	15.795	18.965	22.862	25.19	26.307	25.675	33.859	46.855	48.845	48.763	58.717	57.301	66.178	70.816	72.761	73.25	73.085
299	10/22/2022	22.597	22.139	27.771	17.83	17.604	30.067	39.628	41.451	51.233	64.937	68.294	71.405	76.33	70.39	77.736	76.293	77.806
300	10/23/2022	21.301	28.199	30.022	34.688	35.188	46.033	54.752	67.889	68.321	81.325	88.079	88.75	84.625	86.388	92.121	101.394	93.882
301	10/24/2022	16.701	19.169	23.103	34.98	46.223	51.875	58.241	64.856	68.814	70.526	76.062	83.311	81.078	81.668	78.716	81.012	79.968
302	10/25/2022	23.842	31.528	30.517	37.207	47.777	50.19	51.734	53.939	63.847	70.452	75.295	76.852	81.199	83.455	90.148	89.23	86.102
303	10/26/2022	25.596	30.074	43.878	51.832	52.765	60.769	56.431	64.33	75.078	82.89	75.128	75.134	85.257	88.252	89.173	91.86	82.956
304	10/27/2022	20.043	19.315	24.915	32.391	38.732	42.665	44.715	53.225	66.021	75.7	77.026	79.396	82.224	84.612	89.135	85.431	88.902
305	10/28/2022	16.928	19.608	20.631	28.271	35.88	34.992	38.113	49.202	55.676	63.16	75.532	78.277	82.501	81.635	83.105	76.346	77.929
306	10/29/2022	21.822	26.096	36.199	39.524	42.301	45.251	55.091	61.348	72.485	80.994	77.297	79.663	85.564	83.562	78.748	82.846	76.091
307	10/30/2022	66.108	84.939	85.582	87.07	80.317	85.295	91.841	94.745	89.373	89.615	82.795	87.176	91.32	90.751	88.152	92.073	89.324
308	10/31/2022	40.603	55.852	66.334	65.067	62.121	61.376	62.783	66.784	73.354	71.66	68.709	67.696	68.011	68.6	75.004	74.321	76.732
309	11/1/2022	33.981	29.311	27.443	33.742	41.679	38.222	46.357	57.472	69.244	73.751	78.025	79.238	84.898	87.543	84.354	78.858	84.672
310	11/2/2022	20.504	20.683	29.867	38.374	37.807	38.832	42.57	47.914	57.677	65.822	75.531	77.436	85.203	84.179	92.77	92.755	89.868
311	11/3/2022	13.016	17.539	25.523	26.518	34.27	38.916	41.399	49.483	56.35	68.573	76.387	72.652	76.712	81.476	79.684	83.351	82.155

	B	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV
4	measurement date	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345	D_2400
268	9/21/2022	165.55	154.489	153.246	147.815	141.525	143.592	137.12	137.746	132.674	124.169	110.866	113.032	110.176	102.695	103.908
269	9/22/2022	98.433	99.333	94.086	90.841	91.169	84.902	86.674	78.86	74.97	75.737	73.398	68.24	60.694	59.528	58.712
270	9/23/2022	76.241	75.77	69.205	66.483	65.705	72.835	70.925	70.379	66.473	65.937	63.535	65.128	58.31	60.17	58.416
271	9/24/2022	87.672	83.4	81.62	84.193	86.807	90.98	89.209	84.436	81.845	81.204	80.28	80.66	75.354	73.069	68.575
272	9/25/2022	92.484	96.228	103.159	94.116	88.031	87.66	84.784	78.667	73.322	73.324	68.055	69.98	66.678	63.004	60.497
273	9/26/2022	91.56	89.078	84.791	84.276	86.031	88.281	78.218	74.119	70.402	72.34	71.175	68.1	62.152	57.456	57.682
274	9/27/2022	75.59	74.699	77.188	80.413	77.975	77.562	77.806	75.661	69.609	65.473	63.39	60.116	59.129	52.358	51.048
275	9/28/2022	81.744	78.484	76.989	77.818	79.394	74.29	69.52	71.009	71.763	68.835	65.874	61.719	56.57	53.374	50.635
276	9/29/2022	81.274	79.807	76.859	78.044	79.189	81.343	76.675	75.847	73.846	71.807	69.494	64.916	62.294	59.223	59.91
277	9/30/2022	71.22	69.535	65.048	67.241	67.392	66.544	67.556	63.762	63.999	61.402	62.744	59.817	55.65	53.701	51.474
278	10/1/2022	68.748	64.291	61.991	65.089	65.066	68.212	61.883	64.579	68.28	65.145	65.594	62.823	61.173	62.629	60.981
279	10/2/2022	90.722	87.937	84.853	80.246	81.949	81.475	81.535	81.52	74.291	71.522	67.857	66.438	62.777	55.201	49.622
280	10/3/2022	85.496	84.618	83.306	75.98	77.525	74.107	76.291	69.83	63.174	67.405	65.482	60.277	58.113	54.698	55.064
281	10/4/2022	80.761	81.639	87.501	85.74	78.637	69.01	72.474	71.106	67.458	68.269	63.296	60.998	57.45	53.654	48.229
282	10/5/2022	88.034	95.406	90.303	91.914	89.889	78.462	77.981	75.961	78.295	74.325	65.925	63.658	61.393	56.051	53.605
283	10/6/2022	79.368	85.055	78.414	75.895	82.083	81.331	77.534	76.102	74.365	78.713	72.558	66.657	68.847	64.127	62.162
284	10/7/2022	68.361	65.462	66.289	67.881	71.036	68.627	65.31	67.296	67.634	63.454	67.633	65.38	61.081	59.595	59.66
285	10/8/2022	67.449	69.328	72.42	74.271	71.273	73.81	70.53	72.621	68.549	62.852	63.823	62.941	67.27	65.846	60.783
286	10/9/2022	85.467	83.277	79.049	72.696	66.698	69.674	74.724	78.079	71.789	70.249	65.167	67.965	61.378	58.271	55.955
287	10/10/2022	86.536	81.193	85.885	86.798	81.073	75.099	74.013	68.994	67.479	69.328	67.405	59.039	55.015	54.225	50.559
288	10/11/2022	80.742	78.634	75.326	74.349	69.557	67.335	74.46	68.578	68.368	73.58	67.746	58.669	54.455	56.226	57.252
289	10/12/2022	84.241	83.472	85.771	81.887	76.015	71.015	75.581	75.504	71.937	67.002	63.803	63.178	64.164	65.929	60.846
290	10/13/2022	72.259	65.819	66.908	67.763	64.609	63.22	66.441	66.889	66.58	57.521	57.519	61.961	59.223	54.302	52.954
291	10/14/2022	82.032	76.456	73.854	70.239	72.298	68.862	66.075	72.808	65.239	60.004	61.136	56.202	55.896	56.917	53.538
292	10/15/2022	72.475	66.756	63.834	66.951	64.849	60.529	57.731	60.734	61.415	61.583	60.809	60.294	57.775	53.934	55.872
293	10/16/2022	90.777	87.624	87.085	86.903	84.832	81.034	85.389	77.906	65.758	66.235	60.598	59.817	55.732	52.756	49.841
294	10/17/2022	91.783	93.484	98.09	96.299	90.486	93.313	87.961	85.725	76.03	78.583	75.898	75.2	73.855	66.069	70.587
295	10/18/2022	98.736	99.295	102.716	102.316	105.523	102.524	97.749	98.773	87.922	90.665	90.266	80.499	79.02	74.087	72.959
296	10/19/2022	87.047	92.918	93.1	95.494	97.76	94.751	99.806	90.256	86.876	85.076	79.676	72.316	75.408	74.611	70.797
297	10/20/2022	94.995	93.996	84.961	81.798	87.896	85.096	80.219	76.486	79.841	76.242	78.795	76.997	68.415	69.187	70.985
298	10/21/2022	74.659	73.596	81.559	77.564	72.05	70.007	72.277	71.055	70.389	64.748	63.248	63.302	60.019	59.69	57.997
299	10/22/2022	73.388	75.055	76.242	77.732	75.465	76.045	70.508	70.575	70.484	67.274	64.637	65.644	59.33	51.516	50.903
300	10/23/2022	95.077	95.444	97.627	89.286	88.274	84.505	87.348	81.553	81.62	79.915	73.479	67.671	63.899	57.265	53.758
301	10/24/2022	78.485	81.71	83.648	82.32	78.266	79.956	86.239	78.476	69.775	70.527	66.439	63.967	60.174	59.923	58.816
302	10/25/2022	89.123	89.244	88.751	84.417	84.054	83.348	80.639	80.521	77.95	75.392	71.201	70.612	63.188	58.542	56.87
303	10/26/2022	89.082	87.974	86.695	80.954	79.386	87.083	82.553	79.582	74.734	65.619	64.689	64.415	63.414	58.912	58.721
304	10/27/2022	98.074	92.73	95.156	93.167	91.061	90.709	87.585	84.149	80.477	72.336	70.458	68.747	65.904	63.1	65.333
305	10/28/2022	73.595	70.952	67.393	65.893	69.001	68.058	69.076	64.587	65.589	71.17	65.895	65.877	59.945	56.545	55.892
306	10/29/2022	76.832	76.507	73.404	77.49	73.21	74.569	69.529	70.909	71.66	68.192	63.215	62.102	57.744	58.575	60.247
307	10/30/2022	91.233	87.998	88.609	86.565	88.797	83.667	80.947	75.023	76.322	71.325	64.223	64.622	63.912	58.675	51.895
308	10/31/2022	76.638	74.131	74.01	75.683	72.446	68.064	70.422	67.489	65.026	59.833	59.457	57.445	57.024	54.968	50.656
309	11/1/2022	87.012	85.735	85.7	84.699	85.122	86.379	80.982	79.448	76.782	65.048	61.535	57.931	54.387	51.126	52.009
310	11/2/2022	88.935	83.171	85.533	89.259	80.121	76.844	74.702	69.223	68.133	65.418	60.473	57.059	56.416	52.896	52.022
311	11/3/2022	79.851	80.723	82.585	79.216	80.045	80.279	77.724	73.138	63.709	61.178	59.218	59.765	58.55	53.64	56.187

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
4	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330
312	11/4/2022	11	5	56.855	52.55	50.178	49.311	51.058	50.863	49.296	47.909	46.791	48.517	50.272	48.674	46.119	43.63
313	11/5/2022	11	6	56.934	53.134	53.712	51.323	49.084	47.046	52.318	50.109	49.201	48.443	48.733	48.922	47.908	51.015
314	11/6/2022	11	7	58.339	57.203	53.528	54.55	99.511	94.683	98.167	93.764	45.757	49.112	47.145	43.524	43.633	40.078
315	11/7/2022	11	1	55.371	52.076	51.378	50.324	50.318	46.255	48.032	46.102	45.338	44.495	44.393	43.612	44.262	47.593
316	11/8/2022	11	2	58.389	56.766	61.197	57.352	50.846	48.671	51.781	51.599	51.56	51.532	47.614	48.334	49.976	47.258
317	11/9/2022	11	3	58.234	58.112	57.166	52.926	52.998	56.44	52.71	56.289	55.716	52.66	54.616	52.419	59.646	58.945
318	11/10/2022	11	4	57.974	57.66	55.968	54.273	53.463	54.151	52.448	50.767	51.892	52.293	50.539	48.825	47.925	46.191
319	11/11/2022	11	5	51.801	52.454	49.945	51.216	50.31	49.273	46.289	46.019	46.299	49.918	47.218	47.011	45.618	41.76
320	11/12/2022	11	6	67.313	61.111	65.081	59.169	60.262	57.314	54.741	57.703	56.346	58.674	54.313	57.141	55.889	55.415
321	11/13/2022	11	7	84.793	79.709	82.957	80.988	79.954	80.266	77.063	76.352	81.457	75.027	82.605	79.468	75.143	84.044
322	11/14/2022	11	1	80.281	79.648	77.584	76.136	74.489	77.446	78.743	81.573	78.359	78.589	74.891	77.228	73.135	73.633
323	11/15/2022	11	2	81.981	80.053	73.11	80.547	81.114	72.651	70.634	75.12	70.722	78.078	76	76.612	74.24	72.86
324	11/16/2022	11	3	79.384	81.504	77.275	80.663	74.65	73.796	71.713	74.808	80.46	72.434	73.796	65.854	71.541	73.065
325	11/17/2022	11	4	86.484	83.549	87.754	89.548	86.671	80.239	87.369	83.431	84.605	84.069	82.426	79.123	79.5	81.514
326	11/18/2022	11	5	99.245	96.268	93.799	89.024	90.311	89.839	89.129	87.886	89.644	91.114	92.094	87.203	86.497	87.446
327	11/19/2022	11	6	98.399	92.36	100.35	96.11	95.046	96.12	96.69	99.218	95.798	96.285	97.378	94.085	99.596	97.793
328	11/20/2022	11	7	108.753	103.183	96.763	97.283	96.455	97.804	99.215	91.489	92.331	98.159	93.806	97.097	93.729	97.308
329	11/21/2022	11	1	102.753	100.746	94.797	93.394	91.598	96.641	98.88	94.279	95.499	95.732	93.985	90.904	98.657	96.608
330	11/22/2022	11	2	85.635	83.495	88.63	86.952	87.627	79.304	79.195	81.899	83.358	80.116	80.362	82.451	86.124	83.214
331	11/23/2022	11	3	77.69	80.878	75.714	77.852	76.461	76.359	75.067	75.577	77.427	73.26	75.972	71.133	77.274	74.447
332	11/24/2022	11	4	82.732	83.32	76.334	79.178	78.758	81.811	75.626	73.977	73.639	75.075	76.048	78.167	69.493	71.586
333	11/25/2022	11	5	58.491	61.342	63.226	62.367	60.693	57.302	57.843	55.608	53.765	52.89	53.018	55.793	55.096	50.829
334	11/26/2022	11	6	73.716	78.965	82.356	82.961	78.528	79.68	80.985	77.203	77.929	75.459	77.238	79.772	78.542	78.086
335	11/27/2022	11	7	72.305	72.477	67.91	64.232	69.962	65.752	63.085	60.785	63.959	63.081	62.421	63.934	58.507	65.632
336	11/28/2022	11	1	69.047	72.574	67.6	65.523	60.282	62.453	61.483	57.454	61.465	62.602	57.917	60.031	60.013	65.717
337	11/29/2022	11	2	75.539	70.134	70.807	70.046	68.02	68.094	62.427	63.004	63.961	64.982	65.178	62.132	68.672	65.273
338	11/30/2022	11	3	62.631	63.49	58.11	53.285	58.389	56.725	55.456	57.303	56.815	52.183	50.56	53.437	55.783	54.341
339	12/1/2022	12	4	92.459	86.112	87.012	86.532	87.125	86.161	90.94	87.792	87.54	87.273	84.319	79.31	85.919	84.933
340	12/2/2022	12	5	89.757	92.363	91.622	93.93	89.703	94.014	86.54	91.651	88.821	91.338	88.592	92.061	87.427	85.891
341	12/3/2022	12	6	79.125	77.611	74.958	74.314	69.112	68.577	69.034	60.162	62.229	64.52	62.827	63.407	65.159	64.24
342	12/4/2022	12	7	82.156	90.727	89.51	84.629	82.779	80.626	82.341	80.716	76.181	74.662	82.262	78.978	83.995	80.688
343	12/5/2022	12	1	93.233	94.228	90.943	97.267	90.315	91.824	92.749	88.902	89.28	79.122	86.563	89.76	94.47	90.911
344	12/6/2022	12	2	88.275	80.493	78.478	80.346	74.89	73.133	68.554	70.032	70.292	70.387	69.948	73.694	71.653	73.953
345	12/7/2022	12	3	62.268	65.456	68.773	63.226	59.793	56.786	57.254	55.993	60.413	59.766	54.769	58.378	55.522	55.128
346	12/8/2022	12	4	71.046	67.793	70.621	70.861	68.44	66.119	59.646	63.763	73.128	67.11	66.056	66.454	65.256	61.679
347	12/9/2022	12	5	77.252	76.129	79.057	67.438	73.064	69.222	68.701	66.865	69.206	68.734	67.254	64.689	69.658	67.657
348	12/10/2022	12	6	75.833	78.048	75.88	72.453	72.207	68.378	69.456	67.807	67.434	69.589	65.553	61.464	67.355	63.31
349	12/11/2022	12	7	78.75	77.099	74.096	68.625	70.146	62.515	62.584	64.017	60.595	66.922	62.98	69.646	68.529	67.031
350	12/12/2022	12	1	79.349	71.717	74.779	77.66	73.065	70.965	67.904	67.367	72.18	72.551	68.21	67.44	69.656	70.438
351	12/13/2022	12	2	90.037	84.871	86.242	80.497	83.925	79.4	78.264	74.319	75.067	83.351	79.226	81.635	81.365	84.294
352	12/14/2022	12	3	82.888	76.13	78.86	76.449	79.632	74.252	77.321	77.213	77.401	72.909	74.839	71.964	69.073	69.246
353	12/15/2022	12	4	71.744	69.923	66.318	63.924	68.479	67.948	67.837	65.598	62.794	64.644	61.911	61.303	59.225	60.266
354	12/16/2022	12	5	89.52	83.555	82.823	85.854	77.608	75.147	77.32	76.689	73.771	73.121	77.124	77.755	77.06	74.063
355	12/17/2022	12	6	90.358	94.644	90.711	87.2	87.589	86.211	91.726	82.301	83.59	86.412	85.176	85.19	87.024	86.821

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
4	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330
356	12/18/2022	12	7	108.654	98.614	96.484	95.205	92.026	94.708	93.056	92.875	92.18	90.355	92.045	95.648	88.853	89.188
357	12/19/2022	12	1	105.282	105.09	101.016	106.795	106.062	105.76	106.561	104.986	98.1	104.611	105.959	104.194	106.099	99.543
358	12/20/2022	12	2	101.433	93.451	93.168	97.86	91.632	91.338	97.273	95.071	90.055	94.487	90.387	92.105	101.549	99.45
359	12/21/2022	12	3	105.922	105.691	105.237	98.768	100.141	98.263	94.832	92.998	95.046	98.084	94.187	94.571	89.562	96.835
360	12/22/2022	12	4	90.812	85.805	90.321	91.322	89.521	93.9	88.975	87.151	88.288	84.214	89.847	83.385	86.571	83.569
361	12/23/2022	12	5	120.4	119.839	117.543	114.961	126.036	136.238	135.74	133.622	131.613	134.011	127.594	135.545	131.717	134.825
362	12/24/2022	12	6	178.944	177.226	179.606	176.779	177.238	184.846	168.458	166.318	179.421	170.526	165.788	166.851	172.039	174.423
363	12/25/2022	12	7	146.319	141.444	153.709	150.483	147.089	145.783	150.646	139.045	144.518	142.072	151.698	148.875	143.708	155.118
364	12/26/2022	12	1	149.682	141.633	142.644	132.66	140.372	144.406	135.155	138.768	132.346	135.022	126.318	134.909	133.983	132.384
365	12/27/2022	12	2	129.506	123.505	111.668	120.379	109.823	110.23	115.922	116.248	106.47	107.129	112.417	114.664	111.443	114.766
366	12/28/2022	12	3	108.239	105.582	107.108	106.056	102.559	104.954	103.203	99.101	104.084	93.782	90.623	102.252	105.295	112.096
367	12/29/2022	12	4	92.591	89.949	93.948	88.275	87.326	90.268	88.78	86.281	85.201	82.319	85.003	85.037	84.016	85.418
368	12/30/2022	12	5	72.04	69.426	69.699	67.346	72.704	68.534	64.726	59.552	58.311	58.092	58.509	56.499	58.416	59.682
369	12/31/2022	12	6	68.305	66.962	66.751	63.856	69.916	65.89	62.594	64.608	64.666	59.776	60.967	62.992	58.851	57.463
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	B	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
4	measurement date	D_0345	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730
356	12/18/2022	90.786	93.597	98.159	87.54	87.374	91.226	94.673	92.518	93.09	98.073	96.925	99.246	108.156	105.404	102.572	107.364
357	12/19/2022	97.336	103.229	108.411	101.538	105.555	107.798	106.425	113.104	112.278	121.402	123.771	137.892	134.916	134.607	121.744	120.027
358	12/20/2022	92.147	95.519	94.829	93.716	92.164	94.706	99.085	99.493	99.154	99.663	110.954	108.395	105.473	112.321	109.208	115.631
359	12/21/2022	94.639	98.561	102.258	97.259	92.086	98.657	100.666	97.885	100.89	111.448	122.87	119.151	121.251	121.247	111.313	119.377
360	12/22/2022	90.36	93.386	88.348	99.165	93.614	88.578	91.919	97.375	94.34	99.66	109.202	101.348	97.104	103.011	96.246	97.927
361	12/23/2022	133.406	147.581	138.844	134.523	153.389	153.185	159.076	164.213	171.242	164.1	176.59	186.903	179.709	177.358	182.595	193.715
362	12/24/2022	170.132	166.251	165.985	177.029	176.977	169.864	166.493	172.169	176.936	170.772	176.496	184.421	181.828	186.604	196.611	184.569
363	12/25/2022	155.826	145.167	145.162	144.565	154.06	144.069	141.777	153.886	147.041	166.354	160.8	159.814	153.257	159.551	161.323	156.198
364	12/26/2022	142.414	121.713	127.217	131.659	136.025	136.237	130.271	139.154	138.641	144.573	148.45	140.068	139.272	142.005	141.704	148.395
365	12/27/2022	107.085	103.798	107.942	105.707	110.114	113.393	110.057	115.487	113.617	116.725	118.344	120.07	123.164	123.798	110.825	120.142
366	12/28/2022	104.651	103.376	100.554	101.745	113.828	104.961	100.958	101.96	117.179	110.374	117.105	124.582	129.276	120.195	113.831	117.707
367	12/29/2022	86.14	82.684	90.181	87.191	89.95	91.231	92.438	86.325	92.32	90.925	95.139	95.569	100.84	105.003	95.605	92.49
368	12/30/2022	57.477	58.398	55.082	56.659	57.516	61.987	60.613	64.097	72.062	65.83	68.334	71.484	72.078	76.082	66.069	76.414
369	12/31/2022	59.654	58.55	59.875	58.764	57.889	55.556	55.726	56.35	55.926	57.452	59.077	60.275	58.389	57.594	63.496	65.967
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	B	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY
4	measurement date	D_0745	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
356	12/18/2022	109.351	110.672	116.673	104.201	99.035	85.592	78.104	84.543	74.2	73.354	65.007	69.13	80.507	73.909	64.728	64.397	61.027
357	12/19/2022	125.316	137.302	127.227	112.633	99.982	91.04	83.176	77.31	62.684	58.939	51.109	49.982	58.003	64.004	58.591	59.044	56.432
358	12/20/2022	112.683	116.463	109.975	108.467	94.154	83.584	85.497	68.152	50.711	48.627	41.498	47.789	38.012	31.481	30.102	33.071	27.982
359	12/21/2022	120.102	115.743	115.47	109.148	100.828	82.019	75.752	65.111	59.797	47.876	32.48	41.29	28.709	21.709	23.423	26.507	26.741
360	12/22/2022	101.739	100.989	99.521	103.174	104.499	93.072	99.166	92.386	87.345	73.326	78.95	76.716	71.333	74.276	71.992	77.601	83.206
361	12/23/2022	192.938	191.326	194.298	197.413	203.749	174.648	165.486	171.19	169.446	178.529	175.942	158.707	159.898	170.887	149.344	153.274	160.534
362	12/24/2022	184.992	199.051	191.592	197.864	185.086	182.614	167	166.286	159.648	158.651	146.39	140.147	138.832	139.742	135.273	134.965	133.151
363	12/25/2022	168.585	177.171	176.563	165.096	157.285	149.632	134.905	124.232	116.082	112.879	103.766	102.688	92.748	80.512	82.568	76.191	65.913
364	12/26/2022	152.937	143.587	135.634	146.867	151.096	139.769	143.79	139.092	127.169	145.821	148.309	153.442	146.743	143.435	143.347	140.671	145.571
365	12/27/2022	129.107	116.149	122.024	125.712	132.872	132.102	132.856	121.336	126.744	131.654	127.209	127.271	132.024	125.008	116.139	107.382	111.473
366	12/28/2022	116.495	122.868	120.881	110.746	99.926	108.152	103.963	98.201	93.676	104.4	94.554	76.784	76.004	63.374	37.952	36.344	37.714
367	12/29/2022	99.298	100.602	103.083	92.855	86.166	84.992	85.312	83.132	78.061	74.901	73.453	66.65	66.693	70.604	62.19	44.603	45.967
368	12/30/2022	76.064	73.078	78.934	77.981	82.222	77.151	75.915	59.422	52.603	50.182	50.477	49.037	41.677	38.346	38.241	29.523	32.022
369	12/31/2022	63.262	63.669	64.628	69.088	68.438	64.772	70.276	69.723	70.601	67.2	74.069	77.232	74.871	69.024	71.268	67.149	67.015
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	B	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
4	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545	D_1600
356	12/18/2022	54.214	49.945	51.793	47.204	44.295	43.295	45.002	38.209	36.25	37.309	36.362	39.159	38.773	44.191	48.86	58.098	63.392
357	12/19/2022	55.96	58.182	57.13	53.488	38.585	27.521	20.875	25.239	26.89	29.44	31.697	44.818	38.107	42.846	44.776	61.489	79.384
358	12/20/2022	21.632	27.077	23.994	21.425	16.926	17.078	20.993	21.582	25.069	24.343	26.803	25.081	29.054	34.707	38.811	38.23	47.041
359	12/21/2022	22.059	25.686	25.254	24.77	24.62	27.969	27.758	29.34	30.044	33.194	40.948	51.344	55.342	56.856	52.413	52.878	66.015
360	12/22/2022	85.196	86.489	82.575	72.729	68.153	69.791	69.103	71.533	67.907	73.991	73.621	81.432	81.16	83.404	91.623	97.633	101.066
361	12/23/2022	156.39	159.779	149.531	144.602	148.894	147.701	140.178	137.923	150.813	154.051	153.499	160.318	165.746	171.152	178.999	166.554	187.654
362	12/24/2022	122.874	124.552	129.091	134.923	133.871	143.208	140.95	131.306	146.444	144.749	138.866	151.099	157.113	131.757	138.999	146.799	141.802
363	12/25/2022	63.153	73.851	64.611	59.289	63.051	63.835	60.648	51.269	48.022	55.104	57.522	65.644	63.075	59.957	76.842	82.903	86.241
364	12/26/2022	133.096	133.443	142.303	151.823	144.682	145.269	144.811	144.838	139.939	141.924	157.618	155.047	158.692	150.057	152.016	146.495	154.624
365	12/27/2022	121.505	118.096	116.319	118.833	116.213	114.375	125.172	118.101	116.658	115.664	117.37	114.517	118.283	133.04	126.261	131.1	125.385
366	12/28/2022	37.377	34.334	27.071	24.025	22.901	26.847	24.591	23.251	22.739	24.852	30.163	34.411	35.053	41.495	39.977	41.092	47.618
367	12/29/2022	51.046	57.488	59.006	54.939	53.074	61.206	57.01	48.433	46.152	43.933	56.242	69.53	74.753	74.875	76.777	84.694	87.769
368	12/30/2022	36.905	37.547	37.209	32.157	23.748	23.954	28.759	31.315	32.181	43.347	40.539	43.571	40.86	44.032	52.641	65.546	65.877
369	12/31/2022	57.801	57.76	56.123	59.243	58.588	59.727	50.814	42.149	45.467	53.144	52.61	60.76	55.94	57.399	54.407	64.99	74.147
370																		
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	B	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG
4	measurement date	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945	D_2000	D_2015
356	12/18/2022	72.832	88.894	95.457	98.018	117.267	122.283	131.406	128.459	130.031	131.428	138.206	146.136	144.739	149.266	145.818	155.193	145.791
357	12/19/2022	88.17	87.538	101.397	113.944	125.674	124.973	129.256	132.962	133.687	133.377	132.223	133.616	135.69	134.579	141.984	138.531	134.432
358	12/20/2022	59.993	64.323	76.198	86.124	95.736	103.487	110.609	120.72	112.532	117.385	117.16	119.598	125.202	127.269	136.422	131.232	134.313
359	12/21/2022	76.467	89.196	92.23	98.712	106.71	117.184	119.955	115.712	118.912	125.277	124.678	134.847	124.037	120.853	122.308	115.872	108.141
360	12/22/2022	101.063	103.853	105.845	110.759	107.821	119.341	123.924	131.96	130.221	123.976	124.762	127.352	127.73	129.23	130.928	131.389	130.177
361	12/23/2022	187.9	205.635	212.154	197.022	202.847	210.772	224.708	216.01	225.37	232.349	232.33	228.986	222.799	224.537	225.893	218.454	215.39
362	12/24/2022	146.577	160.376	178.996	184.873	194.842	189.06	192.318	191.127	189.418	189.227	190.619	193.048	185.121	194.665	175.163	183.94	187.193
363	12/25/2022	101.886	114.91	114.372	126.673	146.633	150.114	155.49	158.207	161.23	156.893	163.429	160.784	160.642	159.718	151.619	158.961	162.016
364	12/26/2022	152.153	151.997	158.925	161.766	156.894	159.947	169.747	157.857	161.136	159.603	152.036	154.375	158.151	156.238	158.498	157.949	163.723
365	12/27/2022	125.813	129.661	133.87	142.936	138.772	135.197	129.114	141.97	143.254	147.834	137.846	139.672	144.954	137.457	149.25	146.898	151.022
366	12/28/2022	65.308	71.813	79.003	84.248	96.497	105.199	113.234	122.405	124.201	124.576	122.95	116.907	118.579	127.482	117.589	120.17	120.851
367	12/29/2022	89.116	101.338	100	108.212	104.778	105.173	109.67	112.057	110.795	110.553	107.911	104.016	96.373	103.037	99.495	102.322	102.572
368	12/30/2022	71.866	65.821	76.085	75.547	85.061	91.951	87.822	95.832	96.665	95.03	93.096	97.005	98.444	99.908	95.652	97.875	91.355
369	12/31/2022	83.107	88.804	94.304	98.359	109.531	109.83	109.665	117.502	119.925	121.732	117.12	111.505	103.523	103.092	102.48	98.186	97.388
370																		
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	B	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV
4	measurement date	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345	D_2400
356	12/18/2022	145.624	143.45	145.708	142.632	135.295	141.864	138.483	132.868	132.841	136.458	119.73	113.482	114.474	106.361	105.486
357	12/19/2022	133.74	145.82	144.962	139.432	138.268	136.762	137.212	125.912	128.664	123.864	114.451	111.275	105.053	104.827	107.035
358	12/20/2022	138.882	139.019	133.061	123.121	129.717	138.207	128.79	121.388	120.14	120.07	118.298	112.994	115.645	111.794	104.591
359	12/21/2022	121.164	132.647	129.241	130.479	123.943	125.907	123.43	117.497	120.248	121.991	116.022	111.92	103.33	99.672	96.03
360	12/22/2022	129.605	120.894	117.011	124.784	120.465	123.674	120.918	122.509	128.361	134.723	128.037	117.389	117.182	117.196	115.702
361	12/23/2022	220.792	227.55	224.248	225.863	222.622	206.573	212.18	211.879	209.915	211.549	192.622	176.73	187.015	184.656	179.326
362	12/24/2022	183.681	192.429	187.605	184.112	178.419	185.778	181.16	177.793	175.652	160.756	151.985	156.798	154.475	152.691	148.599
363	12/25/2022	162.079	167.412	180.739	168.166	170.171	164.516	158.566	155.57	168.422	160.743	153.785	151.245	152.786	152.151	156.76
364	12/26/2022	156.687	147.009	151.569	146.799	152.806	157.822	136.659	130.212	145.923	147.091	134.997	127.884	125.685	126.375	127.132
365	12/27/2022	144.003	145.343	143.145	137.418	126.874	133.537	128.553	130.187	129.104	131.36	118.813	107.684	112.711	114.432	109.233
366	12/28/2022	117.867	117.024	120.9	120.894	120.069	117.023	116.235	113.277	111.005	108.399	116.123	114.65	105.296	97.433	93.917
367	12/29/2022	109.213	104.148	97.976	103.032	100.371	93.049	96.792	88.993	93.842	94.193	92.213	86.693	84.57	85.911	79.554
368	12/30/2022	86	87.324	84.401	84.634	82.355	83.141	82.055	83.682	80.287	82.391	78.44	76.646	76.48	80.91	71.014
369	12/31/2022	106.954	109.235	107.846	98.875	95.668	92.643	96.434	95.818	93.978	87.174	91.286	82.578	80.297	73.816	77.77
370																
371																
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	B	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
4	measurement date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
356	12/18/2022	399	373	370	362	364	378	410	430	406	310	289	244	193	163	152	215	355	499	546	595	581	558	522	440
357	12/19/2022	418	423	413	406	423	453	531	504	431	282	223	230	207	101	144	228	391	513	533	551	559	552	493	428
358	12/20/2022	386	375	367	389	375	397	437	454	396	253	159	113	89	85	105	159	287	431	467	520	545	520	480	445
359	12/21/2022	416	386	382	380	390	411	485	467	407	249	124	99	100	115	181	228	357	460	504	483	491	504	476	411
360	12/22/2022	358	360	346	354	370	383	411	397	400	352	301	318	310	278	310	374	422	483	506	519	498	490	514	467
361	12/23/2022	473	532	529	548	580	659	721	761	770	685	665	620	603	577	634	704	803	854	919	892	888	867	826	728
362	12/24/2022	713	697	683	683	690	686	729	765	757	652	565	526	522	562	592	559	671	767	762	739	751	729	666	613
363	12/25/2022	592	583	587	600	588	609	633	663	649	488	380	288	261	224	241	306	458	610	642	631	672	661	639	613
364	12/26/2022	567	559	529	530	531	553	570	587	573	556	592	563	572	575	613	603	625	644	627	631	619	594	558	507
365	12/27/2022	485	452	441	437	437	456	485	476	513	513	512	456	469	474	466	516	532	545	569	579	584	526	509	444
366	12/28/2022	427	410	391	425	421	430	491	471	440	400	311	149	108	97	124	170	300	437	489	484	477	474	449	411
367	12/29/2022	365	353	338	338	359	362	397	388	367	321	277	204	225	213	244	324	399	432	433	401	414	393	369	337
368	12/30/2022	279	266	231	234	231	263	288	292	316	238	180	137	131	116	168	228	289	361	382	392	349	332	325	305
369	12/31/2022	266	263	248	235	232	225	235	256	267	278	295	263	232	198	222	251	365	447	470	407	421	384	368	314
370																									
371		919.04																		Avg kW	4.08				
372																				Ann LF	0.31041384				

	B	C	D	E	F	G	H	I	J	K
1	Rate KY_RS <u>Delivered</u>									
2	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145
3	1/1/2022	1	6	0.306115556	0.281164444	0.278115556	0.297453333	0.284008889	0.279026667	0.266995556
4	1/2/2022	1	7	0.325355556	0.311697778	0.297311111	0.300528889	0.286022222	0.300142222	0.31288
5	1/3/2022	1	1	0.462035556	0.424546667	0.416168889	0.408915556	0.416168889	0.425951111	0.427831111
6	1/4/2022	1	2	0.486804444	0.445226667	0.417711111	0.4468	0.436146667	0.452782222	0.459186667
7	1/5/2022	1	3	0.418248889	0.40748	0.400635556	0.37152	0.363822222	0.365404444	0.367848889
8	1/6/2022	1	4	0.465853333	0.417848889	0.427813333	0.429208889	0.429328889	0.430004444	0.459284444
9	1/7/2022	1	5	0.527013333	0.554617778	0.511835556	0.543284444	0.517817778	0.533373333	0.524577778
10	1/8/2022	1	6	0.647235556	0.557262222	0.577582222	0.570768889	0.604657778	0.590106667	0.564573333
11	1/9/2022	1	7	0.492013333	0.438831111	0.422288889	0.410595556	0.433364444	0.417795556	0.403466667
12	1/10/2022	1	1	0.489511111	0.457053333	0.454506667	0.431266667	0.428342222	0.452648889	0.415764444
13	1/11/2022	1	2	0.513924444	0.473297778	0.5048	0.467373333	0.487151111	0.4698	0.461373333
14	1/12/2022	1	3	0.437915556	0.432795556	0.407333333	0.425368889	0.424795556	0.420093333	0.425186667
15	1/13/2022	1	4	0.423097778	0.428688889	0.403142222	0.418386667	0.398586667	0.386773333	0.359102222
16	1/14/2022	1	5	0.36444	0.410457778	0.381013333	0.387635556	0.349728889	0.37944	0.369137778
17	1/15/2022	1	6	0.44088	0.430128889	0.458484444	0.455515556	0.404044444	0.383022222	0.422888889
18	1/16/2022	1	7	0.457244444	0.439026667	0.460497778	0.444471111	0.455697778	0.455195556	0.467568889
19	1/17/2022	1	1	0.484644444	0.445173333	0.421284444	0.464426667	0.434915556	0.4246	0.43636
20	1/18/2022	1	2	0.471431111	0.434822222	0.426497778	0.421386667	0.439151111	0.443195556	0.42304
21	1/19/2022	1	3	0.448271111	0.409893333	0.411413333	0.417315556	0.400346667	0.436648889	0.4286
22	1/20/2022	1	4	0.418497778	0.392848889	0.367933333	0.40284	0.383124444	0.414177778	0.451102222
23	1/21/2022	1	5	0.525391111	0.484831111	0.4836	0.474293333	0.502826667	0.497782222	0.481186667
24	1/22/2022	1	6	0.586533333	0.578742222	0.541915556	0.563622222	0.539968889	0.551413333	0.545493333
25	1/23/2022	1	7	0.488946667	0.489995556	0.473648889	0.46232	0.444511111	0.445635556	0.477808889
26	1/24/2022	1	1	0.502626667	0.50372	0.516577778	0.499417778	0.477017778	0.519991111	0.530648889
27	1/25/2022	1	2	0.450613333	0.4004	0.417795556	0.408315556	0.423582222	0.389942222	0.409955556
28	1/26/2022	1	3	0.501511111	0.52396	0.508053333	0.538386667	0.525551111	0.491146667	0.5148
29	1/27/2022	1	4	0.580075556	0.608266667	0.552315556	0.542404444	0.572173333	0.5528	0.574128889
30	1/28/2022	1	5	0.434	0.433084444	0.416755556	0.450857778	0.45468	0.407057778	0.435062222
31	1/29/2022	1	6	0.561813333	0.573364444	0.570404444	0.555617778	0.565275556	0.540768889	0.524533333
32	1/30/2022	1	7	0.549488889	0.574955556	0.541702222	0.519208889	0.514395556	0.511106667	0.53456
33	1/31/2022	1	1	0.452942222	0.423057778	0.403137778	0.424048889	0.397946667	0.402995556	0.419737778

	B	L	M	N	O	P	Q	R	S
1									
2	measurement date	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330	D_0345
3	1/1/2022	0.263213333	0.245826667	0.270773333	0.262315556	0.249355556	0.25384	0.242991111	0.236808889
4	1/2/2022	0.298653333	0.286742222	0.269617778	0.280626667	0.258595556	0.271773333	0.286715556	0.275488889
5	1/3/2022	0.434355556	0.401013333	0.399413333	0.411008889	0.40788	0.430164444	0.41392	0.387302222
6	1/4/2022	0.443164444	0.441328889	0.423515556	0.438546667	0.455537778	0.416902222	0.448457778	0.418453333
7	1/5/2022	0.395084444	0.360302222	0.390622222	0.400071111	0.373915556	0.375026667	0.371253333	0.386933333
8	1/6/2022	0.438248889	0.444497778	0.46544	0.455737778	0.428924444	0.436777778	0.433706667	0.452648889
9	1/7/2022	0.525164444	0.55116	0.540586667	0.536137778	0.522653333	0.53484	0.523626667	0.546471111
10	1/8/2022	0.588364444	0.590431111	0.574608889	0.586546667	0.561591111	0.529453333	0.548604444	0.592124444
11	1/9/2022	0.399568889	0.380506667	0.385693333	0.357533333	0.378728889	0.381324444	0.40204	0.397075556
12	1/10/2022	0.430902222	0.415986667	0.43688	0.442937778	0.4152	0.448742222	0.424937778	0.443946667
13	1/11/2022	0.447404444	0.484666667	0.496617778	0.47792	0.480844444	0.492568889	0.45012	0.500333333
14	1/12/2022	0.421035556	0.426342222	0.433813333	0.422404444	0.441244444	0.427275556	0.427262222	0.415564444
15	1/13/2022	0.37128	0.385155556	0.393071111	0.360071111	0.404955556	0.375373333	0.376026667	0.393151111
16	1/14/2022	0.370697778	0.362897778	0.364173333	0.380133333	0.378995556	0.401586667	0.375151111	0.37928
17	1/15/2022	0.375444444	0.392311111	0.385657778	0.393968889	0.404377778	0.396226667	0.39036	0.430213333
18	1/16/2022	0.462182222	0.455902222	0.438271111	0.449364444	0.462257778	0.437395556	0.409928889	0.461257778
19	1/17/2022	0.463475556	0.451862222	0.456595556	0.462288889	0.43988	0.464151111	0.469128889	0.451484444
20	1/18/2022	0.425462222	0.428568889	0.410115556	0.431017778	0.449742222	0.432804444	0.423026667	0.428866667
21	1/19/2022	0.414346667	0.410542222	0.394755556	0.40516	0.408115556	0.409453333	0.413728889	0.423942222
22	1/20/2022	0.439373333	0.413595556	0.424288889	0.410133333	0.443231111	0.417475556	0.42872	0.430848889
23	1/21/2022	0.4754	0.467493333	0.490071111	0.456337778	0.486062222	0.514093333	0.451257778	0.494835556
24	1/22/2022	0.52196	0.563315556	0.542937778	0.557017778	0.571137778	0.541177778	0.573102222	0.589368889
25	1/23/2022	0.469128889	0.470777778	0.448942222	0.438111111	0.472822222	0.465768889	0.451302222	0.47224
26	1/24/2022	0.509164444	0.510866667	0.45556	0.471737778	0.497035556	0.482311111	0.513604444	0.492866667
27	1/25/2022	0.413844444	0.426377778	0.387146667	0.40084	0.423617778	0.380955556	0.376764444	0.408568889
28	1/26/2022	0.523084444	0.502915556	0.529342222	0.512902222	0.54344	0.504613333	0.509195556	0.536715556
29	1/27/2022	0.56824	0.540155556	0.590444444	0.532017778	0.521404444	0.560764444	0.568066667	0.576791111
30	1/28/2022	0.422262222	0.420102222	0.418924444	0.41116	0.418235556	0.4402	0.402844444	0.43244
31	1/29/2022	0.520391111	0.52712	0.554822222	0.518248889	0.523088889	0.51932	0.523875556	0.567128889
32	1/30/2022	0.534888889	0.500391111	0.500506667	0.511942222	0.525724444	0.476906667	0.496902222	0.547222222
33	1/31/2022	0.399764444	0.415248889	0.418217778	0.415786667	0.393257778	0.391497778	0.42188	0.410453333

	B	T	U	V	W	X	Y	Z	AA
1									
2	measurement date	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545
3	1/1/2022	0.23036	0.242626667	0.231262222	0.23976	0.218866667	0.225715556	0.230657778	0.230053333
4	1/2/2022	0.256751111	0.297751111	0.314355556	0.297266667	0.294746667	0.31732	0.307568889	0.313622222
5	1/3/2022	0.40264	0.394933333	0.424355556	0.421591111	0.414573333	0.413555556	0.421773333	0.458653333
6	1/4/2022	0.435613333	0.474182222	0.46096	0.461835556	0.446902222	0.467564444	0.463626667	0.464835556
7	1/5/2022	0.379417778	0.377213333	0.386964444	0.402742222	0.398733333	0.423448889	0.424502222	0.434271111
8	1/6/2022	0.486653333	0.429764444	0.433875556	0.474577778	0.471133333	0.495137778	0.460884444	0.469337778
9	1/7/2022	0.522955556	0.525351111	0.504142222	0.555555556	0.533231111	0.554315556	0.590093333	0.585986667
10	1/8/2022	0.613342222	0.549977778	0.569066667	0.54972	0.580297778	0.607586667	0.550551111	0.544413333
11	1/9/2022	0.38964	0.38984	0.385626667	0.393013333	0.358128889	0.387417778	0.400666667	0.406528889
12	1/10/2022	0.439293333	0.444208889	0.482568889	0.511031111	0.4446	0.471244444	0.515208889	0.512466667
13	1/11/2022	0.563102222	0.547022222	0.514311111	0.519324444	0.526906667	0.531337778	0.550226667	0.582755556
14	1/12/2022	0.460306667	0.424555556	0.42684	0.437146667	0.422355556	0.440355556	0.422195556	0.4708
15	1/13/2022	0.362511111	0.367524444	0.362933333	0.366346667	0.398502222	0.418644444	0.416191111	0.414204444
16	1/14/2022	0.368511111	0.377751111	0.420377778	0.413271111	0.39956	0.420248889	0.433795556	0.403133333
17	1/15/2022	0.43668	0.403351111	0.369604444	0.385088889	0.393226667	0.405773333	0.417742222	0.392915556
18	1/16/2022	0.418924444	0.426035556	0.463155556	0.487804444	0.473604444	0.468097778	0.430804444	0.456706667
19	1/17/2022	0.45096	0.409448889	0.447524444	0.439915556	0.42068	0.470248889	0.481648889	0.438222222
20	1/18/2022	0.425306667	0.427004444	0.412826667	0.45708	0.436688889	0.4532	0.465062222	0.506435556
21	1/19/2022	0.388115556	0.39864	0.390337778	0.375093333	0.41912	0.413168889	0.411213333	0.449866667
22	1/20/2022	0.457284444	0.461537778	0.472808889	0.480271111	0.470915556	0.470968889	0.494724444	0.511746667
23	1/21/2022	0.489471111	0.47048	0.465942222	0.520946667	0.502404444	0.505964444	0.526866667	0.531511111
24	1/22/2022	0.542115556	0.571346667	0.565017778	0.538964444	0.572191111	0.571146667	0.599124444	0.609657778
25	1/23/2022	0.449391111	0.43256	0.450071111	0.449324444	0.453764444	0.471204444	0.477653333	0.490364444
26	1/24/2022	0.522928889	0.486906667	0.466231111	0.461862222	0.513413333	0.50972	0.532937778	0.52328
27	1/25/2022	0.421795556	0.441728889	0.437484444	0.430222222	0.41136	0.439924444	0.437057778	0.464328889
28	1/26/2022	0.54188	0.578973333	0.541288889	0.516973333	0.571808889	0.594488889	0.5964	0.585555556
29	1/27/2022	0.585315556	0.630928889	0.580386667	0.533546667	0.593413333	0.592871111	0.634831111	0.6038
30	1/28/2022	0.447111111	0.425564444	0.418186667	0.415533333	0.403857778	0.470835556	0.476751111	0.482995556
31	1/29/2022	0.551822222	0.526435556	0.541391111	0.543355556	0.514071111	0.534764444	0.525688889	0.535817778
32	1/30/2022	0.505	0.513977778	0.513826667	0.527266667	0.529062222	0.489711111	0.505257778	0.452608889
33	1/31/2022	0.421173333	0.403173333	0.46504	0.409115556	0.42732	0.469524444	0.442346667	0.444253333

	B	AB	AC	AD	AE	AF	AG	AH	AI
1									
2	measurement date	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730	D_0745
3	1/1/2022	0.230066667	0.236617778	0.241733333	0.24352	0.247062222	0.256937778	0.272217778	0.26044
4	1/2/2022	0.329182222	0.326057778	0.334488889	0.329342222	0.344697778	0.347342222	0.383582222	0.39372
5	1/3/2022	0.485177778	0.488706667	0.506715556	0.531991111	0.496768889	0.524084444	0.539915556	0.576831111
6	1/4/2022	0.528053333	0.58476	0.595053333	0.566582222	0.561977778	0.597586667	0.613564444	0.599351111
7	1/5/2022	0.494457778	0.471546667	0.507075556	0.499986667	0.510871111	0.482471111	0.520373333	0.487111111
8	1/6/2022	0.535702222	0.53732	0.519297778	0.542124444	0.606004444	0.533982222	0.541062222	0.566653333
9	1/7/2022	0.601511111	0.592417778	0.618604444	0.643115556	0.607311111	0.609115556	0.598213333	0.572653333
10	1/8/2022	0.566928889	0.609217778	0.600448889	0.620502222	0.628955556	0.632435556	0.647862222	0.651351111
11	1/9/2022	0.399524444	0.390324444	0.436764444	0.446417778	0.45976	0.410275556	0.431791111	0.429297778
12	1/10/2022	0.520871111	0.559471111	0.551186667	0.573911111	0.612106667	0.611964444	0.625275556	0.642351111
13	1/11/2022	0.564137778	0.642608889	0.618537778	0.62644	0.642337778	0.666408889	0.681964444	0.65492
14	1/12/2022	0.480542222	0.516928889	0.526631111	0.511408889	0.534555556	0.512248889	0.525057778	0.518951111
15	1/13/2022	0.458097778	0.448351111	0.457493333	0.464915556	0.507964444	0.518128889	0.520768889	0.481155556
16	1/14/2022	0.440848889	0.481004444	0.426004444	0.468902222	0.519831111	0.486577778	0.507422222	0.536937778
17	1/15/2022	0.39076	0.432408889	0.42104	0.431755556	0.461448889	0.460497778	0.45276	0.438133333
18	1/16/2022	0.478337778	0.437764444	0.4614	0.476128889	0.508653333	0.500853333	0.491955556	0.495582222
19	1/17/2022	0.450097778	0.485524444	0.475088889	0.478528889	0.519266667	0.505182222	0.530106667	0.49888
20	1/18/2022	0.480582222	0.508604444	0.552533333	0.521088889	0.567631111	0.573168889	0.510444444	0.52232
21	1/19/2022	0.440302222	0.507977778	0.475044444	0.484786667	0.506368889	0.481937778	0.484208889	0.475151111
22	1/20/2022	0.535808889	0.580666667	0.57756	0.582684444	0.582226667	0.61312	0.570248889	0.58144
23	1/21/2022	0.557955556	0.564631111	0.597742222	0.571822222	0.634964444	0.637346667	0.59048	0.590528889
24	1/22/2022	0.615497778	0.576448889	0.587884444	0.610231111	0.646	0.656515556	0.669213333	0.665417778
25	1/23/2022	0.506195556	0.467871111	0.493342222	0.505071111	0.511448889	0.469062222	0.501413333	0.506928889
26	1/24/2022	0.588151111	0.5742	0.559986667	0.632911111	0.643271111	0.615968889	0.599026667	0.610297778
27	1/25/2022	0.509951111	0.547235556	0.547333333	0.543737778	0.56792	0.556666667	0.514888889	0.505093333
28	1/26/2022	0.664364444	0.686546667	0.687466667	0.692506667	0.675973333	0.701622222	0.744866667	0.731386667
29	1/27/2022	0.685995556	0.679422222	0.671777778	0.708231111	0.736537778	0.716164444	0.708764444	0.720742222
30	1/28/2022	0.476595556	0.478364444	0.510853333	0.522551111	0.552617778	0.538613333	0.522377778	0.51284
31	1/29/2022	0.573413333	0.579871111	0.601093333	0.651728889	0.644991111	0.681426667	0.617755556	0.664048889
32	1/30/2022	0.466346667	0.521991111	0.506373333	0.512395556	0.52176	0.570031111	0.523115556	0.540404444
33	1/31/2022	0.477893333	0.542248889	0.583968889	0.558773333	0.553631111	0.569977778	0.557333333	0.552315556

	B	AJ	AK	AL	AM	AN	AO	AP	AQ
1									
2	measurement date	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945
3	1/1/2022	0.272973333	0.2686	0.273146667	0.265351111	0.267337778	0.292497778	0.273226667	0.274413333
4	1/2/2022	0.386488889	0.391373333	0.396497778	0.425746667	0.44296	0.43028	0.454137778	0.413724444
5	1/3/2022	0.569111111	0.581071111	0.513213333	0.489346667	0.419284444	0.381137778	0.331	0.29096
6	1/4/2022	0.546	0.573311111	0.512595556	0.461213333	0.405466667	0.353342222	0.343888889	0.259822222
7	1/5/2022	0.523693333	0.52312	0.515284444	0.455226667	0.427097778	0.293835556	0.258208889	0.23956
8	1/6/2022	0.539564444	0.545062222	0.515408889	0.506684444	0.511533333	0.425964444	0.441328889	0.427346667
9	1/7/2022	0.633373333	0.64488	0.71616	0.696115556	0.652626667	0.691546667	0.714031111	0.619715556
10	1/8/2022	0.663568889	0.704688889	0.692008889	0.651466667	0.631395556	0.626631111	0.61416	0.588773333
11	1/9/2022	0.426973333	0.463844444	0.468542222	0.48248	0.503995556	0.459711111	0.456168889	0.396746667
12	1/10/2022	0.583595556	0.562622222	0.520164444	0.503577778	0.460302222	0.432244444	0.4314	0.453786667
13	1/11/2022	0.651164444	0.64464	0.632337778	0.533791111	0.460226667	0.401146667	0.373497778	0.305382222
14	1/12/2022	0.515471111	0.530382222	0.499293333	0.468764444	0.393346667	0.300311111	0.280533333	0.252795556
15	1/13/2022	0.487564444	0.455675556	0.46148	0.487764444	0.402133333	0.305591111	0.253715556	0.179022222
16	1/14/2022	0.528435556	0.500128889	0.482995556	0.486506667	0.472831111	0.420791111	0.413253333	0.4136
17	1/15/2022	0.445151111	0.530408889	0.506742222	0.467942222	0.445306667	0.437826667	0.390066667	0.345933333
18	1/16/2022	0.490626667	0.542084444	0.499391111	0.466475556	0.494026667	0.424746667	0.406724444	0.313204444
19	1/17/2022	0.505493333	0.519386667	0.53288	0.532146667	0.560893333	0.542124444	0.579275556	0.560288889
20	1/18/2022	0.561346667	0.552746667	0.510831111	0.501915556	0.512257778	0.482968889	0.480057778	0.48052
21	1/19/2022	0.495697778	0.507671111	0.44568	0.438542222	0.393693333	0.346124444	0.312102222	0.198631111
22	1/20/2022	0.550453333	0.555128889	0.509755556	0.490817778	0.395768889	0.314671111	0.315964444	0.277568889
23	1/21/2022	0.558973333	0.589133333	0.574782222	0.528937778	0.491057778	0.412573333	0.356746667	0.315364444
24	1/22/2022	0.671115556	0.682142222	0.653204444	0.596448889	0.529217778	0.479724444	0.415515556	0.34504
25	1/23/2022	0.496466667	0.568475556	0.527906667	0.556111111	0.529111111	0.48492	0.44172	0.485591111
26	1/24/2022	0.618617778	0.592013333	0.564751111	0.556311111	0.56656	0.544008889	0.613951111	0.598173333
27	1/25/2022	0.52648	0.498168889	0.502484444	0.486368889	0.460791111	0.405644444	0.305137778	0.2502
28	1/26/2022	0.68096	0.7226	0.633991111	0.579266667	0.495697778	0.453168889	0.436168889	0.390435556
29	1/27/2022	0.663155556	0.623053333	0.599542222	0.608195556	0.525831111	0.516684444	0.438915556	0.362537778
30	1/28/2022	0.529311111	0.560044444	0.558675556	0.553986667	0.544782222	0.539404444	0.524386667	0.572377778
31	1/29/2022	0.665475556	0.729413333	0.740448889	0.713666667	0.701053333	0.747462222	0.648466667	0.620164444
32	1/30/2022	0.5766	0.603595556	0.613911111	0.562128889	0.589644444	0.578102222	0.504813333	0.468546667
33	1/31/2022	0.547595556	0.563368889	0.454982222	0.421884444	0.396266667	0.359475556	0.312702222	0.264328889

	B	AR	AS	AT	AU	AV	AW	AX	AY
1									
2	measurement date	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
3	1/1/2022	0.299573333	0.324582222	0.314746667	0.323422222	0.326031111	0.308848889	0.330795556	0.340248889
4	1/2/2022	0.423404444	0.402182222	0.40508	0.383471111	0.37328	0.362524444	0.392151111	0.4064
5	1/3/2022	0.273266667	0.210777778	0.192897778	0.164391111	0.132795556	0.141177778	0.130711111	0.136324444
6	1/4/2022	0.218742222	0.23256	0.205013333	0.136666667	0.134168889	0.126404444	0.109386667	0.086013333
7	1/5/2022	0.202284444	0.174315556	0.165786667	0.130337778	0.113871111	0.096786667	0.076693333	0.097391111
8	1/6/2022	0.443906667	0.404857778	0.386862222	0.352822222	0.372151111	0.34972	0.36668	0.385551111
9	1/7/2022	0.610275556	0.607684444	0.596324444	0.625782222	0.585315556	0.595817778	0.572675556	0.535377778
10	1/8/2022	0.549711111	0.550857778	0.464493333	0.448777778	0.422044444	0.408297778	0.339995556	0.34144
11	1/9/2022	0.414635556	0.452711111	0.468728889	0.492746667	0.480408889	0.510751111	0.471675556	0.428177778
12	1/10/2022	0.465462222	0.419013333	0.381462222	0.331915556	0.262742222	0.161764444	0.151097778	0.173706667
13	1/11/2022	0.298168889	0.265497778	0.246173333	0.212195556	0.179911111	0.178973333	0.158688889	0.121568889
14	1/12/2022	0.192728889	0.168684444	0.163168889	0.158662222	0.128253333	0.123951111	0.118666667	0.102097778
15	1/13/2022	0.163537778	0.159715556	0.113684444	0.151404444	0.164991111	0.148866667	0.191244444	0.173973333
16	1/14/2022	0.407168889	0.397591111	0.399382222	0.381128889	0.378497778	0.372662222	0.322826667	0.35784
17	1/15/2022	0.338542222	0.356568889	0.382062222	0.394306667	0.412777778	0.397697778	0.380155556	0.379924444
18	1/16/2022	0.295164444	0.308853333	0.288168889	0.292466667	0.27608	0.272386667	0.268777778	0.324671111
19	1/17/2022	0.622595556	0.55756	0.561537778	0.530951111	0.610755556	0.570591111	0.580755556	0.576333333
20	1/18/2022	0.454102222	0.400128889	0.379097778	0.387573333	0.371182222	0.333817778	0.291342222	0.286511111
21	1/19/2022	0.17356	0.130382222	0.105853333	0.123013333	0.160302222	0.109937778	0.125244444	0.114582222
22	1/20/2022	0.273582222	0.223231111	0.175195556	0.170644444	0.144591111	0.134671111	0.121604444	0.12376
23	1/21/2022	0.285591111	0.231653333	0.239102222	0.256697778	0.254462222	0.259306667	0.257235556	0.205395556
24	1/22/2022	0.353142222	0.339662222	0.229644444	0.200275556	0.192604444	0.164146667	0.153368889	0.117848889
25	1/23/2022	0.414275556	0.454368889	0.4926	0.471213333	0.458333333	0.424457778	0.46372	0.4892
26	1/24/2022	0.600124444	0.537235556	0.520697778	0.475328889	0.409586667	0.378133333	0.280115556	0.269022222
27	1/25/2022	0.250688889	0.203777778	0.173391111	0.136888889	0.148595556	0.138075556	0.201915556	0.203573333
28	1/26/2022	0.318484444	0.331506667	0.234751111	0.214715556	0.196648889	0.196097778	0.168293333	0.154022222
29	1/27/2022	0.29948	0.293071111	0.268057778	0.254826667	0.250631111	0.280386667	0.272826667	0.259466667
30	1/28/2022	0.543822222	0.547533333	0.523755556	0.530528889	0.517071111	0.522333333	0.527026667	0.553786667
31	1/29/2022	0.615733333	0.629128889	0.554671111	0.532982222	0.576826667	0.535137778	0.510653333	0.50876
32	1/30/2022	0.442093333	0.403564444	0.367217778	0.37644	0.353973333	0.343662222	0.295066667	0.283084444
33	1/31/2022	0.22264	0.175257778	0.164835556	0.136595556	0.122124444	0.112951111	0.103537778	0.109088889

	B	AZ	BA	BB	BC	BD	BE	BF	BG
1									
2	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345
3	1/1/2022	0.353017778	0.342235556	0.326435556	0.353702222	0.35844	0.34704	0.333186667	0.341426667
4	1/2/2022	0.419746667	0.371075556	0.417395556	0.372248889	0.397551111	0.391733333	0.417044444	0.37792
5	1/3/2022	0.113275556	0.140755556	0.125244444	0.118844444	0.1064	0.087017778	0.114186667	0.118591111
6	1/4/2022	0.091622222	0.098653333	0.083382222	0.094928889	0.075137778	0.085911111	0.087831111	0.088764444
7	1/5/2022	0.08764	0.109004444	0.103097778	0.098964444	0.097511111	0.108311111	0.090564444	0.090746667
8	1/6/2022	0.411964444	0.369084444	0.357733333	0.345346667	0.379346667	0.365257778	0.393222222	0.443675556
9	1/7/2022	0.552675556	0.570195556	0.524044444	0.556133333	0.521031111	0.529617778	0.560653333	0.553448889
10	1/8/2022	0.308337778	0.33696	0.255222222	0.237422222	0.220453333	0.178351111	0.206337778	0.223217778
11	1/9/2022	0.426444444	0.408155556	0.409551111	0.490222222	0.461071111	0.436737778	0.409342222	0.302217778
12	1/10/2022	0.235986667	0.2076	0.2	0.174275556	0.146764444	0.162173333	0.167222222	0.20744
13	1/11/2022	0.133968889	0.139271111	0.107622222	0.114222222	0.117866667	0.103213333	0.113266667	0.111231111
14	1/12/2022	0.126942222	0.118497778	0.122408889	0.11628	0.113648889	0.155573333	0.166431111	0.157502222
15	1/13/2022	0.194511111	0.207911111	0.211106667	0.181893333	0.177128889	0.197991111	0.190524444	0.133755556
16	1/14/2022	0.35724	0.346586667	0.342973333	0.368164444	0.336075556	0.370124444	0.289546667	0.324333333
17	1/15/2022	0.362111111	0.362137778	0.35972	0.343653333	0.261115556	0.256306667	0.265866667	0.194186667
18	1/16/2022	0.373008889	0.396128889	0.433426667	0.443351111	0.502204444	0.499457778	0.497928889	0.451577778
19	1/17/2022	0.613	0.552208889	0.568662222	0.570657778	0.543115556	0.554035556	0.57608	0.581173333
20	1/18/2022	0.260902222	0.271244444	0.266035556	0.303182222	0.313688889	0.267271111	0.245977778	0.19024
21	1/19/2022	0.109195556	0.100777778	0.111497778	0.17104	0.1668	0.151066667	0.132324444	0.148271111
22	1/20/2022	0.119742222	0.115844444	0.119648889	0.12204	0.131253333	0.111946667	0.133128889	0.134928889
23	1/21/2022	0.20656	0.202897778	0.20668	0.163102222	0.136222222	0.144373333	0.104573333	0.12092
24	1/22/2022	0.115377778	0.144564444	0.142164444	0.104164444	0.119662222	0.101635556	0.117537778	0.139968889
25	1/23/2022	0.471537778	0.446155556	0.423093333	0.400324444	0.42044	0.362453333	0.347706667	0.274884444
26	1/24/2022	0.258613333	0.261502222	0.236053333	0.243008889	0.237995556	0.214382222	0.209035556	0.260022222
27	1/25/2022	0.185808889	0.192413333	0.175742222	0.202324444	0.179275556	0.175213333	0.190577778	0.18536
28	1/26/2022	0.154737778	0.146208889	0.178915556	0.13844	0.137186667	0.142	0.130786667	0.112737778
29	1/27/2022	0.227097778	0.231488889	0.235106667	0.284102222	0.339764444	0.336675556	0.315408889	0.279982222
30	1/28/2022	0.522808889	0.542595556	0.494102222	0.495564444	0.548208889	0.540222222	0.544657778	0.512524444
31	1/29/2022	0.526328889	0.507933333	0.493933333	0.453688889	0.463395556	0.463684444	0.475595556	0.464533333
32	1/30/2022	0.268755556	0.252911111	0.24148	0.224871111	0.224182222	0.197866667	0.186062222	0.182337778
33	1/31/2022	0.094324444	0.087506667	0.085871111	0.097635556	0.1016	0.093355556	0.074253333	0.106591111

	B	BH	BI	BJ	BK	BL	BM	BN	BO
1									
2	measurement date	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545
3	1/1/2022	0.354648889	0.356337778	0.360862222	0.346244444	0.340804444	0.375355556	0.376795556	0.39248
4	1/2/2022	0.379257778	0.425106667	0.423831111	0.379475556	0.440617778	0.481013333	0.491244444	0.517057778
5	1/3/2022	0.135733333	0.117808889	0.127604444	0.15096	0.139364444	0.147275556	0.146417778	0.178164444
6	1/4/2022	0.09136	0.10812	0.103924444	0.119622222	0.12836	0.143111111	0.155942222	0.207884444
7	1/5/2022	0.102666667	0.099751111	0.099128889	0.116608889	0.108435556	0.107253333	0.122733333	0.159168889
8	1/6/2022	0.462488889	0.456502222	0.452417778	0.488848889	0.515146667	0.493751111	0.538955556	0.590742222
9	1/7/2022	0.553426667	0.530137778	0.536746667	0.541306667	0.512915556	0.544968889	0.565728889	0.548822222
10	1/8/2022	0.253168889	0.276697778	0.321942222	0.289982222	0.318693333	0.306853333	0.325995556	0.373128889
11	1/9/2022	0.259631111	0.251275556	0.243751111	0.268186667	0.243217778	0.285422222	0.324817778	0.362182222
12	1/10/2022	0.189377778	0.125844444	0.147986667	0.175955556	0.185928889	0.176106667	0.196333333	0.230444444
13	1/11/2022	0.093324444	0.09708	0.105982222	0.111897778	0.124573333	0.154831111	0.155288889	0.175053333
14	1/12/2022	0.143257778	0.135284444	0.184488889	0.120804444	0.117488889	0.159724444	0.201164444	0.195426667
15	1/13/2022	0.139031111	0.158933333	0.137044444	0.161862222	0.176911111	0.217106667	0.248248889	0.296315556
16	1/14/2022	0.32736	0.357257778	0.336524444	0.356306667	0.355826667	0.363408889	0.361502222	0.415208889
17	1/15/2022	0.139586667	0.154417778	0.178995556	0.188977778	0.185617778	0.198973333	0.232782222	0.266528889
18	1/16/2022	0.456017778	0.451342222	0.437568889	0.470057778	0.455546667	0.426524444	0.403955556	0.449226667
19	1/17/2022	0.567457778	0.598426667	0.559488889	0.559817778	0.534644444	0.56304	0.598404444	0.587057778
20	1/18/2022	0.16088	0.188688889	0.190937778	0.18876	0.223862222	0.251355556	0.263351111	0.249053333
21	1/19/2022	0.186675556	0.219253333	0.289231111	0.297493333	0.331773333	0.279533333	0.242884444	0.267146667
22	1/20/2022	0.142257778	0.128684444	0.151666667	0.15992	0.158928889	0.159493333	0.179	0.201844444
23	1/21/2022	0.125226667	0.134306667	0.11864	0.124111111	0.119235556	0.126035556	0.141026667	0.174635556
24	1/22/2022	0.156848889	0.131186667	0.138617778	0.172173333	0.154968889	0.197551111	0.306204444	0.353377778
25	1/23/2022	0.330413333	0.378542222	0.48756	0.5402	0.531022222	0.495857778	0.429008889	0.41272
26	1/24/2022	0.304773333	0.347937778	0.397942222	0.382804444	0.386057778	0.429377778	0.426257778	0.429604444
27	1/25/2022	0.1716	0.197115556	0.202448889	0.219151111	0.204613333	0.186044444	0.21932	0.25016
28	1/26/2022	0.111711111	0.135746667	0.129706667	0.137426667	0.142088889	0.134546667	0.15484	0.181573333
29	1/27/2022	0.282257778	0.242164444	0.220777778	0.236737778	0.347288889	0.366506667	0.366457778	0.357248889
30	1/28/2022	0.522373333	0.511937778	0.533408889	0.527977778	0.518493333	0.509386667	0.509608889	0.550515556
31	1/29/2022	0.452546667	0.423653333	0.431044444	0.415395556	0.421066667	0.423942222	0.456591111	0.469435556
32	1/30/2022	0.177253333	0.186253333	0.186688889	0.176822222	0.156226667	0.137262222	0.137871111	0.140946667
33	1/31/2022	0.087493333	0.091573333	0.090928889	0.091444444	0.129702222	0.149622222	0.141813333	0.147688889

	B	BP	BQ	BR	BS	BT	BU	BV	BW
1									
2	measurement date	D_1600	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745
3	1/1/2022	0.382697778	0.396226667	0.401142222	0.411146667	0.398937778	0.411328889	0.421262222	0.435266667
4	1/2/2022	0.552484444	0.505013333	0.541613333	0.584253333	0.590333333	0.61484	0.630328889	0.653413333
5	1/3/2022	0.227466667	0.307933333	0.340391111	0.372275556	0.445302222	0.467582222	0.539657778	0.566835556
6	1/4/2022	0.19976	0.242088889	0.284573333	0.312644444	0.350964444	0.425524444	0.520671111	0.544751111
7	1/5/2022	0.199791111	0.235017778	0.238955556	0.32532	0.395391111	0.466324444	0.524608889	0.566817778
8	1/6/2022	0.5804	0.616693333	0.626222222	0.595177778	0.669213333	0.652333333	0.68492	0.725164444
9	1/7/2022	0.581324444	0.561844444	0.538382222	0.603195556	0.59144	0.645688889	0.707266667	0.708448889
10	1/8/2022	0.478284444	0.486066667	0.496751111	0.531204444	0.510742222	0.561848889	0.597831111	0.610564444
11	1/9/2022	0.361195556	0.383222222	0.457493333	0.481457778	0.539208889	0.560568889	0.592866667	0.598155556
12	1/10/2022	0.242822222	0.291262222	0.302728889	0.348351111	0.410782222	0.462142222	0.514115556	0.558933333
13	1/11/2022	0.208057778	0.240897778	0.277186667	0.335622222	0.402	0.451275556	0.530106667	0.582395556
14	1/12/2022	0.25164	0.268564444	0.332035556	0.306324444	0.329662222	0.410128889	0.457995556	0.511035556
15	1/13/2022	0.319591111	0.329982222	0.358213333	0.344626667	0.391604444	0.423906667	0.430755556	0.493177778
16	1/14/2022	0.43616	0.452413333	0.51072	0.51072	0.530164444	0.511084444	0.53884	0.534168889
17	1/15/2022	0.266937778	0.318635556	0.35832	0.404151111	0.409155556	0.443768889	0.463742222	0.528848889
18	1/16/2022	0.478631111	0.487253333	0.526057778	0.524222222	0.56392	0.601773333	0.606702222	0.614266667
19	1/17/2022	0.593586667	0.583377778	0.564057778	0.566653333	0.595693333	0.647453333	0.582391111	0.635817778
20	1/18/2022	0.219817778	0.243648889	0.291093333	0.32464	0.419577778	0.500933333	0.57388	0.595795556
21	1/19/2022	0.281493333	0.323222222	0.340991111	0.392088889	0.439715556	0.458382222	0.47336	0.505871111
22	1/20/2022	0.2436	0.272875556	0.351151111	0.425995556	0.47468	0.498115556	0.50976	0.547964444
23	1/21/2022	0.225471111	0.256946667	0.292417778	0.312315556	0.386128889	0.469595556	0.530373333	0.610386667
24	1/22/2022	0.365617778	0.375413333	0.403955556	0.365755556	0.360982222	0.440942222	0.481777778	0.517168889
25	1/23/2022	0.421942222	0.469493333	0.549497778	0.579333333	0.589306667	0.610484444	0.628346667	0.651631111
26	1/24/2022	0.489968889	0.491795556	0.485995556	0.533915556	0.561066667	0.560608889	0.603942222	0.58136
27	1/25/2022	0.240524444	0.252066667	0.30404	0.383706667	0.418026667	0.418893333	0.483386667	0.511222222
28	1/26/2022	0.23656	0.247786667	0.312724444	0.337182222	0.385097778	0.457857778	0.491084444	0.565031111
29	1/27/2022	0.379951111	0.4048	0.435622222	0.453693333	0.470533333	0.519751111	0.57668	0.612257778
30	1/28/2022	0.564626667	0.598684444	0.603395556	0.543311111	0.597524444	0.596413333	0.650711111	0.648795556
31	1/29/2022	0.510137778	0.516813333	0.539644444	0.5396	0.554248889	0.568431111	0.534822222	0.592813333
32	1/30/2022	0.147515556	0.168911111	0.23604	0.272382222	0.315293333	0.340097778	0.370551111	0.439044444
33	1/31/2022	0.175537778	0.184497778	0.224231111	0.287911111	0.335608889	0.391417778	0.382764444	0.455333333

	B	BX	BY	BZ	CA	CB	CC	CD	CE
1									
2	measurement date	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945
3	1/1/2022	0.481484444	0.441942222	0.451311111	0.467324444	0.418373333	0.453542222	0.441555556	0.463177778
4	1/2/2022	0.678915556	0.679204444	0.65712	0.66232	0.65024	0.66044	0.650666667	0.632533333
5	1/3/2022	0.578813333	0.579644444	0.576444444	0.560266667	0.574697778	0.61404	0.631408889	0.600017778
6	1/4/2022	0.547422222	0.559155556	0.522502222	0.529524444	0.519422222	0.546333333	0.572395556	0.5744
7	1/5/2022	0.548324444	0.549835556	0.560853333	0.553404444	0.567871111	0.594306667	0.607062222	0.5804
8	1/6/2022	0.713711111	0.688573333	0.660186667	0.637351111	0.636266667	0.629506667	0.623808889	0.659702222
9	1/7/2022	0.670573333	0.690457778	0.747466667	0.7546	0.758413333	0.743346667	0.719248889	0.675311111
10	1/8/2022	0.651502222	0.622546667	0.629471111	0.630422222	0.631942222	0.624164444	0.616977778	0.61632
11	1/9/2022	0.588493333	0.625053333	0.581373333	0.591626667	0.624275556	0.644226667	0.665004444	0.657182222
12	1/10/2022	0.59024	0.597484444	0.589951111	0.649453333	0.657146667	0.679488889	0.700906667	0.687071111
13	1/11/2022	0.589973333	0.60256	0.604746667	0.587591111	0.639204444	0.625666667	0.644391111	0.613653333
14	1/12/2022	0.536142222	0.527542222	0.563671111	0.514808889	0.486511111	0.529831111	0.498617778	0.534142222
15	1/13/2022	0.501586667	0.528368889	0.514088889	0.508391111	0.515897778	0.518342222	0.544582222	0.560542222
16	1/14/2022	0.596324444	0.609871111	0.627617778	0.574266667	0.58712	0.600755556	0.604928889	0.546733333
17	1/15/2022	0.547164444	0.569093333	0.589448889	0.607382222	0.590737778	0.552671111	0.566875556	0.545306667
18	1/16/2022	0.601026667	0.628226667	0.594271111	0.590177778	0.631604444	0.654893333	0.661546667	0.639737778
19	1/17/2022	0.654208889	0.676648889	0.69576	0.681706667	0.666573333	0.725382222	0.691328889	0.699542222
20	1/18/2022	0.578648889	0.592262222	0.612591111	0.622262222	0.632315556	0.614217778	0.589617778	0.587715556
21	1/19/2022	0.497111111	0.53312	0.492595556	0.530395556	0.516457778	0.524768889	0.548088889	0.534715556
22	1/20/2022	0.556915556	0.603746667	0.609906667	0.641213333	0.624826667	0.610551111	0.636648889	0.649342222
23	1/21/2022	0.670568889	0.654004444	0.633146667	0.594764444	0.581986667	0.617048889	0.637955556	0.634746667
24	1/22/2022	0.563986667	0.588306667	0.602115556	0.592608889	0.610266667	0.615075556	0.593346667	0.549737778
25	1/23/2022	0.676675556	0.645488889	0.633044444	0.648448889	0.688306667	0.676888889	0.647088889	0.64536
26	1/24/2022	0.582675556	0.596688889	0.607391111	0.589302222	0.611435556	0.608968889	0.630897778	0.587617778
27	1/25/2022	0.560426667	0.556084444	0.589	0.601488889	0.615937778	0.623911111	0.596924444	0.585635556
28	1/26/2022	0.616124444	0.661466667	0.654813333	0.684995556	0.69892	0.658462222	0.630426667	0.6452
29	1/27/2022	0.594071111	0.609902222	0.620431111	0.602955556	0.613791111	0.601222222	0.608022222	0.581697778
30	1/28/2022	0.631506667	0.632733333	0.616711111	0.667813333	0.643942222	0.657591111	0.653404444	0.712204444
31	1/29/2022	0.613266667	0.64844	0.640688889	0.62228	0.654453333	0.616213333	0.587133333	0.604542222
32	1/30/2022	0.485297778	0.486244444	0.514391111	0.562844444	0.59276	0.608902222	0.640462222	0.62268
33	1/31/2022	0.504057778	0.543177778	0.566257778	0.543106667	0.524355556	0.527715556	0.566653333	0.553266667

	B	CF	CG	CH	CI	CJ	CK	CL	CM
1									
2	measurement date	D_2000	D_2015	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145
3	1/1/2022	0.484391111	0.456795556	0.452177778	0.426333333	0.396911111	0.407897778	0.424537778	0.394991111
4	1/2/2022	0.638306667	0.667435556	0.636742222	0.63964	0.629044444	0.628324444	0.600582222	0.555897778
5	1/3/2022	0.614697778	0.612288889	0.594342222	0.635737778	0.621448889	0.572844444	0.541955556	0.556284444
6	1/4/2022	0.570844444	0.553537778	0.578684444	0.559248889	0.567657778	0.559862222	0.566137778	0.546471111
7	1/5/2022	0.560995556	0.597337778	0.593342222	0.603986667	0.616075556	0.580408889	0.572662222	0.584835556
8	1/6/2022	0.66084	0.666457778	0.623573333	0.617071111	0.600284444	0.632155556	0.586915556	0.579551111
9	1/7/2022	0.7202	0.712706667	0.681506667	0.713324444	0.660204444	0.651964444	0.671271111	0.659031111
10	1/8/2022	0.583053333	0.595706667	0.597102222	0.55924	0.535888889	0.539422222	0.558182222	0.50668
11	1/9/2022	0.633253333	0.638248889	0.652431111	0.646111111	0.612746667	0.604733333	0.628862222	0.614066667
12	1/10/2022	0.63124	0.671053333	0.673635556	0.661622222	0.676	0.678515556	0.648213333	0.657764444
13	1/11/2022	0.626493333	0.622057778	0.648657778	0.62732	0.639582222	0.602835556	0.592355556	0.592844444
14	1/12/2022	0.52492	0.55584	0.594648889	0.57028	0.527671111	0.536875556	0.54044	0.537551111
15	1/13/2022	0.546422222	0.500764444	0.530551111	0.541368889	0.499911111	0.501124444	0.45596	0.452502222
16	1/14/2022	0.542804444	0.560537778	0.595697778	0.565595556	0.547493333	0.51848	0.556866667	0.544493333
17	1/15/2022	0.522315556	0.527177778	0.559555556	0.566333333	0.57284	0.566155556	0.54992	0.557688889
18	1/16/2022	0.633755556	0.605511111	0.59664	0.604004444	0.559511111	0.558071111	0.575826667	0.56064
19	1/17/2022	0.668902222	0.629155556	0.59452	0.617515556	0.646448889	0.617115556	0.59452	0.567902222
20	1/18/2022	0.64508	0.610288889	0.612457778	0.60916	0.608528889	0.573955556	0.546924444	0.567075556
21	1/19/2022	0.539942222	0.549115556	0.528497778	0.52792	0.562271111	0.542382222	0.527502222	0.500133333
22	1/20/2022	0.624675556	0.640333333	0.672773333	0.647848889	0.640524444	0.627711111	0.637128889	0.568377778
23	1/21/2022	0.64	0.668733333	0.681808889	0.679377778	0.69172	0.673933333	0.615902222	0.615857778
24	1/22/2022	0.563555556	0.627977778	0.598662222	0.617151111	0.624804444	0.62596	0.596648889	0.594497778
25	1/23/2022	0.671906667	0.69724	0.656062222	0.674688889	0.697106667	0.657897778	0.666168889	0.637284444
26	1/24/2022	0.640004444	0.617928889	0.594528889	0.559137778	0.558351111	0.58984	0.587315556	0.57856
27	1/25/2022	0.587462222	0.59636	0.620315556	0.5988	0.602551111	0.604937778	0.568595556	0.558697778
28	1/26/2022	0.678617778	0.723982222	0.745017778	0.748848889	0.731004444	0.712253333	0.679111111	0.681142222
29	1/27/2022	0.590906667	0.627617778	0.641346667	0.642533333	0.627048889	0.607137778	0.572511111	0.583217778
30	1/28/2022	0.666022222	0.688853333	0.696151111	0.64256	0.613715556	0.65544	0.664448889	0.648822222
31	1/29/2022	0.628817778	0.596951111	0.623546667	0.667608889	0.678075556	0.613617778	0.608173333	0.620524444
32	1/30/2022	0.630226667	0.637417778	0.613631111	0.601137778	0.580071111	0.581795556	0.559177778	0.578191111
33	1/31/2022	0.542817778	0.591831111	0.589137778	0.595084444	0.563457778	0.534164444	0.530808889	0.560355556

	B	CN	CO	CP	CQ	CR	CS	CT	CU
1									
2	measurement date	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345
3	1/1/2022	0.388204444	0.381631111	0.366377778	0.349173333	0.371724444	0.334715556	0.325257778	0.327044444
4	1/2/2022	0.571911111	0.552666667	0.540133333	0.550768889	0.499702222	0.502288889	0.489626667	0.442777778
5	1/3/2022	0.521471111	0.506351111	0.53028	0.53572	0.546364444	0.51544	0.481097778	0.496604444
6	1/4/2022	0.5402	0.512666667	0.509728889	0.477982222	0.467173333	0.461675556	0.463502222	0.432466667
7	1/5/2022	0.52284	0.483862222	0.477253333	0.462746667	0.453408889	0.45136	0.480533333	0.465684444
8	1/6/2022	0.591982222	0.616822222	0.6132	0.626226667	0.585102222	0.559666667	0.581355556	0.556373333
9	1/7/2022	0.661155556	0.693831111	0.686666667	0.715751111	0.606457778	0.56396	0.573288889	0.617391111
10	1/8/2022	0.512902222	0.522617778	0.488022222	0.519208889	0.521422222	0.500035556	0.489728889	0.517111111
11	1/9/2022	0.596751111	0.586844444	0.595475556	0.515395556	0.4886	0.467666667	0.469542222	0.464915556
12	1/10/2022	0.608893333	0.56044	0.570426667	0.557413333	0.544044444	0.540937778	0.559604444	0.517128889
13	1/11/2022	0.576844444	0.54132	0.527155556	0.529137778	0.494724444	0.488826667	0.485471111	0.459066667
14	1/12/2022	0.501902222	0.47644	0.488795556	0.487057778	0.45076	0.41036	0.438977778	0.425497778
15	1/13/2022	0.474568889	0.467351111	0.438595556	0.421884444	0.41292	0.419248889	0.39288	0.387035556
16	1/14/2022	0.475426667	0.496991111	0.502386667	0.499431111	0.484017778	0.45736	0.466902222	0.443266667
17	1/15/2022	0.578648889	0.526782222	0.525444444	0.52444	0.504306667	0.510528889	0.498093333	0.479351111
18	1/16/2022	0.542755556	0.524826667	0.541142222	0.497	0.526933333	0.511724444	0.49404	0.482297778
19	1/17/2022	0.555968889	0.574382222	0.518204444	0.501666667	0.511613333	0.547648889	0.496328889	0.457475556
20	1/18/2022	0.50816	0.526266667	0.547453333	0.504604444	0.515808889	0.505471111	0.452177778	0.444564444
21	1/19/2022	0.533746667	0.502968889	0.470573333	0.478617778	0.448391111	0.464071111	0.439764444	0.425675556
22	1/20/2022	0.557937778	0.580151111	0.577444444	0.591662222	0.54728	0.571995556	0.579711111	0.516884444
23	1/21/2022	0.616844444	0.634964444	0.606217778	0.651688889	0.564204444	0.551026667	0.567528889	0.606862222
24	1/22/2022	0.552595556	0.545155556	0.527991111	0.53744	0.530702222	0.4798	0.483635556	0.468715556
25	1/23/2022	0.587395556	0.593133333	0.63448	0.586991111	0.577288889	0.520017778	0.515582222	0.516217778
26	1/24/2022	0.524364444	0.50752	0.49884	0.460097778	0.449	0.459022222	0.457924444	0.421995556
27	1/25/2022	0.566551111	0.591542222	0.580768889	0.587013333	0.566995556	0.565711111	0.515746667	0.468484444
28	1/26/2022	0.698493333	0.637871111	0.637395556	0.60772	0.664128889	0.606062222	0.564857778	0.589493333
29	1/27/2022	0.55316	0.552622222	0.570848889	0.520448889	0.505426667	0.454853333	0.452813333	0.444648889
30	1/28/2022	0.655893333	0.655617778	0.639653333	0.657928889	0.605213333	0.595053333	0.539008889	0.539853333
31	1/29/2022	0.632466667	0.617751111	0.599257778	0.610524444	0.545364444	0.564048889	0.576062222	0.552382222
32	1/30/2022	0.564635556	0.569928889	0.509173333	0.500795556	0.470697778	0.49192	0.450453333	0.451431111
33	1/31/2022	0.537977778	0.514355556	0.485493333	0.459848889	0.490871111	0.474786667	0.464253333	0.455715556

	B	CV	CW	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB
1	Delivered														
2	measurement date	D_2400		1	2	3	4	5	6	7	8	9	10	11	12
3	1/1/2022	0.326435556		1.16	1.09	1.03	0.96	0.93	0.92	0.97	1.06	1.07	1.14	1.29	1.33
4	1/2/2022	0.451893333		1.23	1.20	1.10	1.09	1.20	1.27	1.33	1.51	1.66	1.72	1.56	1.58
5	1/3/2022	0.460702222		1.71	1.70	1.62	1.63	1.66	1.78	2.02	2.21	2.00	1.28	0.70	0.52
6	1/4/2022	0.416493333		1.80	1.79	1.76	1.72	1.84	1.92	2.31	2.36	1.95	1.18	0.71	0.41
7	1/5/2022	0.453328889		1.60	1.49	1.52	1.51	1.57	1.78	1.99	2.01	1.92	0.99	0.58	0.36
8	1/6/2022	0.546222222		1.74	1.76	1.79	1.81	1.81	1.96	2.20	2.18	2.08	1.74	1.52	1.51
9	1/7/2022	0.590053333		2.14	2.10	2.15	2.13	2.12	2.33	2.46	2.41	2.71	2.64	2.42	2.26
10	1/8/2022	0.486315556		2.35	2.35	2.31	2.28	2.25	2.27	2.46	2.60	2.68	2.38	1.89	1.40
11	1/9/2022	0.46132		1.76	1.65	1.50	1.57	1.53	1.59	1.73	1.70	1.92	1.73	1.89	1.84
12	1/10/2022	0.500026667		1.83	1.73	1.71	1.76	1.88	2.02	2.30	2.46	2.05	1.78	1.40	0.72
13	1/11/2022	0.458888889		1.96	1.87	1.94	2.01	2.11	2.23	2.53	2.65	2.27	1.38	0.90	0.59
14	1/12/2022	0.413186667		1.70	1.69	1.72	1.73	1.71	1.81	2.09	2.07	1.89	1.03	0.62	0.47
15	1/13/2022	0.3854		1.67	1.52	1.54	1.51	1.50	1.71	1.88	2.01	1.81	0.90	0.59	0.71
16	1/14/2022	0.423822222		1.54	1.47	1.49	1.52	1.61	1.70	1.90	2.06	1.94	1.65	1.56	1.41
17	1/15/2022	0.436613333		1.79	1.59	1.58	1.65	1.55	1.61	1.75	1.80	1.95	1.51	1.55	1.52
18	1/16/2022	0.464564444		1.80	1.84	1.81	1.73	1.85	1.83	1.88	1.98	2.00	1.44	1.17	1.24
19	1/17/2022	0.447035556		1.82	1.76	1.81	1.84	1.72	1.84	1.96	2.04	2.15	2.30	2.26	2.34
20	1/18/2022	0.450013333		1.75	1.73	1.72	1.71	1.73	1.91	2.15	2.17	2.08	1.90	1.54	1.17
21	1/19/2022	0.430253333		1.69	1.68	1.62	1.64	1.58	1.71	1.97	1.94	1.79	1.03	0.52	0.46
22	1/20/2022	0.500857778		1.58	1.69	1.69	1.73	1.89	2.01	2.32	2.32	1.95	1.18	0.71	0.50
23	1/21/2022	0.548213333		1.97	1.96	1.90	1.95	1.96	2.12	2.37	2.38	2.18	1.37	0.98	0.93
24	1/22/2022	0.469368889		2.27	2.16	2.23	2.25	2.25	2.40	2.42	2.66	2.46	1.59	0.96	0.55
25	1/23/2022	0.479324444		1.91	1.84	1.83	1.84	1.79	1.95	1.98	1.97	2.18	1.83	1.88	1.85
26	1/24/2022	0.432208889		2.02	2.04	1.94	2.01	1.93	2.15	2.41	2.44	2.28	2.36	1.94	1.19
27	1/25/2022	0.501435556		1.68	1.64	1.64	1.59	1.72	1.85	2.21	2.10	1.95	1.21	0.66	0.73
28	1/26/2022	0.580933333		2.07	2.05	2.09	2.09	2.21	2.44	2.74	2.86	2.43	1.60	0.98	0.67
29	1/27/2022	0.420391111		2.28	2.27	2.18	2.29	2.34	2.52	2.80	2.81	2.36	1.62	1.07	1.04
30	1/28/2022	0.584871111		1.73	1.72	1.67	1.72	1.66	1.91	2.06	2.10	2.22	2.18	2.12	2.13
31	1/29/2022	0.561417778		2.26	2.15	2.12	2.16	2.13	2.17	2.48	2.63	2.88	2.63	2.29	2.08
32	1/30/2022	0.474502222		2.19	2.09	2.04	2.03	2.08	1.91	2.06	2.21	2.37	1.99	1.50	1.19
33	1/31/2022	0.47112		1.70	1.62	1.64	1.65	1.70	1.83	2.24	2.23	1.84	1.16	0.60	0.42

	B	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
1													
2	measurement date	13	14	15	16	17	18	19	20	21	22	23	24
3	1/1/2022	1.38	1.38	1.40	1.53	1.61	1.75	1.78	1.84	1.73	1.62	1.47	1.31
4	1/2/2022	1.56	1.57	1.67	2.04	2.22	2.58	2.65	2.58	2.57	2.36	2.14	1.89
5	1/3/2022	0.49	0.46	0.54	0.70	1.47	2.15	2.29	2.46	2.46	2.19	2.12	1.95
6	1/4/2022	0.35	0.35	0.46	0.71	1.19	2.04	2.13	2.26	2.26	2.21	1.97	1.77
7	1/5/2022	0.41	0.39	0.42	0.59	1.19	2.11	2.23	2.34	2.41	2.26	1.88	1.85
8	1/6/2022	1.45	1.66	1.91	2.20	2.51	2.78	2.62	2.57	2.51	2.39	2.44	2.24
9	1/7/2022	2.17	2.20	2.12	2.24	2.29	2.73	2.95	2.86	2.77	2.64	2.70	2.34
10	1/8/2022	1.05	0.86	1.21	1.48	2.02	2.42	2.51	2.44	2.29	2.12	2.05	1.99
11	1/9/2022	1.77	1.41	1.01	1.33	1.86	2.34	2.42	2.60	2.55	2.44	2.19	1.86
12	1/10/2022	0.73	0.73	0.64	0.85	1.35	2.13	2.49	2.70	2.68	2.59	2.23	2.12
13	1/11/2022	0.48	0.42	0.44	0.69	1.26	2.15	2.43	2.51	2.54	2.36	2.09	1.89
14	1/12/2022	0.47	0.62	0.56	0.81	1.24	1.92	2.09	2.09	2.25	2.12	1.90	1.69
15	1/13/2022	0.78	0.66	0.63	1.08	1.42	1.85	2.07	2.17	2.07	1.88	1.74	1.58
16	1/14/2022	1.39	1.31	1.41	1.58	2.00	2.18	2.40	2.30	2.27	2.10	1.98	1.79
17	1/15/2022	1.33	0.86	0.71	0.97	1.49	1.98	2.36	2.19	2.23	2.25	2.08	1.92
18	1/16/2022	1.78	1.90	1.81	1.76	2.10	2.42	2.44	2.59	2.37	2.24	2.09	1.95
19	1/17/2022	2.23	2.28	2.25	2.34	2.31	2.52	2.72	2.79	2.49	2.34	2.11	1.95
20	1/18/2022	1.15	0.86	0.79	0.98	1.28	2.25	2.46	2.44	2.44	2.20	2.09	1.85
21	1/19/2022	0.55	0.62	1.14	1.07	1.50	1.93	2.07	2.15	2.17	2.10	1.90	1.76
22	1/20/2022	0.49	0.52	0.60	0.78	1.52	2.11	2.48	2.52	2.60	2.39	2.30	2.17
23	1/21/2022	0.71	0.50	0.50	0.67	1.25	2.28	2.46	2.53	2.72	2.52	2.46	2.27
24	1/22/2022	0.51	0.52	0.60	1.22	1.51	2.00	2.39	2.32	2.47	2.37	2.14	1.90
25	1/23/2022	1.69	1.32	1.94	1.76	2.19	2.57	2.62	2.64	2.73	2.55	2.39	2.03
26	1/24/2022	0.98	0.99	1.51	1.78	2.07	2.33	2.40	2.47	2.33	2.28	1.92	1.77
27	1/25/2022	0.75	0.72	0.82	0.90	1.36	1.97	2.36	2.39	2.42	2.30	2.33	2.05
28	1/26/2022	0.60	0.50	0.54	0.71	1.28	2.13	2.70	2.61	2.95	2.77	2.55	2.34
29	1/27/2022	1.09	1.21	1.05	1.47	1.76	2.30	2.45	2.38	2.54	2.32	2.15	1.77
30	1/28/2022	2.08	2.12	2.09	2.13	2.34	2.53	2.56	2.69	2.64	2.62	2.56	2.26
31	1/29/2022	1.92	1.86	1.69	1.86	2.15	2.31	2.57	2.44	2.57	2.47	2.37	2.25
32	1/30/2022	0.94	0.74	0.71	0.56	0.99	1.63	2.16	2.50	2.43	2.28	2.05	1.87
33	1/31/2022	0.37	0.36	0.40	0.61	1.03	1.73	2.18	2.19	2.34	2.16	1.95	1.87

	B	C	D	E	F	G	H	I	J	K
2	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145
34	2/1/2022	2	2	0.428524444	0.417675556	0.400591111	0.387271111	0.407964444	0.40848	0.438715556
35	2/2/2022	2	3	0.357555556	0.343857778	0.320782222	0.308422222	0.341093333	0.352346667	0.327488889
36	2/3/2022	2	4	0.421942222	0.395213333	0.381528889	0.37528	0.37568	0.381617778	0.398768889
37	2/4/2022	2	5	0.494728889	0.463813333	0.466884444	0.4638	0.445168889	0.486004444	0.44708
38	2/5/2022	2	6	0.480906667	0.5044	0.498511111	0.51864	0.497266667	0.51112	0.535422222
39	2/6/2022	2	7	0.545857778	0.526457778	0.560724444	0.538755556	0.550617778	0.553853333	0.534195556
40	2/7/2022	2	1	0.423417778	0.419035556	0.400573333	0.414822222	0.419084444	0.413617778	0.413293333
41	2/8/2022	2	2	0.448853333	0.438977778	0.456555556	0.452435556	0.450262222	0.461973333	0.431302222
42	2/9/2022	2	3	0.41156	0.390297778	0.387124444	0.388822222	0.395844444	0.385235556	0.38168
43	2/10/2022	2	4	0.420431111	0.379733333	0.380991111	0.386764444	0.373964444	0.369235556	0.392111111
44	2/11/2022	2	5	0.464862222	0.428502222	0.428546667	0.414888889	0.395991111	0.406528889	0.388448889
45	2/12/2022	2	6	0.384791111	0.400795556	0.369057778	0.38788	0.371595556	0.388595556	0.380057778
46	2/13/2022	2	7	0.460835556	0.479693333	0.458595556	0.438871111	0.464315556	0.488275556	0.465813333
47	2/14/2022	2	1	0.53504	0.536035556	0.512733333	0.545648889	0.537004444	0.487004444	0.506777778
48	2/15/2022	2	2	0.483782222	0.454791111	0.463057778	0.441475556	0.481288889	0.464786667	0.462044444
49	2/16/2022	2	3	0.384462222	0.376142222	0.375488889	0.388688889	0.347813333	0.364057778	0.353066667
50	2/17/2022	2	4	0.27952	0.264146667	0.278875556	0.269768889	0.272235556	0.261546667	0.281213333
51	2/18/2022	2	5	0.407324444	0.41872	0.403888889	0.378417778	0.358915556	0.365982222	0.365564444
52	2/19/2022	2	6	0.455084444	0.458204444	0.433857778	0.432168889	0.434266667	0.419733333	0.393288889
53	2/20/2022	2	7	0.473431111	0.44188	0.448688889	0.467422222	0.480622222	0.442364444	0.466017778
54	2/21/2022	2	1	0.375275556	0.348635556	0.355368889	0.335964444	0.339933333	0.340888889	0.347302222
55	2/22/2022	2	2	0.305986667	0.30592	0.283884444	0.270817778	0.262124444	0.251328889	0.261666667
56	2/23/2022	2	3	0.274191111	0.2642	0.268413333	0.289662222	0.292311111	0.280631111	0.278391111
57	2/24/2022	2	4	0.459782222	0.417502222	0.423635556	0.420444444	0.409857778	0.404013333	0.420231111
58	2/25/2022	2	5	0.46008	0.415684444	0.433368889	0.399471111	0.400013333	0.427417778	0.388857778
59	2/26/2022	2	6	0.471604444	0.450813333	0.441466667	0.447364444	0.434662222	0.424671111	0.431595556
60	2/27/2022	2	7	0.441693333	0.450537778	0.436502222	0.428626667	0.411026667	0.408324444	0.435902222
61	2/28/2022	2	1	0.419457778	0.410671111	0.380475556	0.403382222	0.394413333	0.375435556	0.40368
62	3/1/2022	3	2	0.400813333	0.373293333	0.350582222	0.36076	0.351017778	0.366204444	0.39324
63	3/2/2022	3	3	0.305328889	0.310608889	0.270408889	0.267666667	0.279542222	0.265484444	0.274902222
64	3/3/2022	3	4	0.281417778	0.290302222	0.264026667	0.234351111	0.244848889	0.232902222	0.231053333
65	3/4/2022	3	5	0.430551111	0.374622222	0.391568889	0.371986667	0.398408889	0.377355556	0.376808889

	B	L	M	N	O	P	Q	R	S
2	measurement date	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330	D_0345
34	2/1/2022	0.423048889	0.387026667	0.389053333	0.3848	0.410808889	0.402751111	0.394911111	0.404626667
35	2/2/2022	0.304146667	0.317315556	0.317337778	0.331293333	0.318955556	0.329293333	0.305933333	0.298915556
36	2/3/2022	0.36636	0.393946667	0.371942222	0.368004444	0.408004444	0.382951111	0.393262222	0.353475556
37	2/4/2022	0.456133333	0.487768889	0.426875556	0.434755556	0.429613333	0.466675556	0.475546667	0.500248889
38	2/5/2022	0.501395556	0.507653333	0.494653333	0.472008889	0.518137778	0.480444444	0.507417778	0.487675556
39	2/6/2022	0.596155556	0.532657778	0.482697778	0.52604	0.498542222	0.528448889	0.554048889	0.517275556
40	2/7/2022	0.423488889	0.424715556	0.423644444	0.424662222	0.39736	0.423426667	0.453848889	0.413075556
41	2/8/2022	0.442097778	0.422386667	0.458293333	0.478871111	0.494591111	0.433066667	0.436497778	0.47728
42	2/9/2022	0.369493333	0.38152	0.357155556	0.384942222	0.398995556	0.369302222	0.375728889	0.422351111
43	2/10/2022	0.387613333	0.364911111	0.357075556	0.378497778	0.374315556	0.36716	0.36576	0.358284444
44	2/11/2022	0.41016	0.424622222	0.425302222	0.412533333	0.405457778	0.423271111	0.405213333	0.38352
45	2/12/2022	0.344768889	0.345208889	0.365657778	0.361328889	0.349186667	0.370555556	0.385746667	0.363857778
46	2/13/2022	0.44284	0.474195556	0.468262222	0.451355556	0.469244444	0.456622222	0.434644444	0.454875556
47	2/14/2022	0.480057778	0.502386667	0.541115556	0.517146667	0.536097778	0.554444444	0.493888889	0.5062
48	2/15/2022	0.451622222	0.470848889	0.460275556	0.474022222	0.5016	0.5028	0.469075556	0.478888889
49	2/16/2022	0.340035556	0.386191111	0.358373333	0.378062222	0.345466667	0.359026667	0.358933333	0.324142222
50	2/17/2022	0.274311111	0.255555556	0.261048889	0.251222222	0.2748	0.256582222	0.275124444	0.25756
51	2/18/2022	0.3794	0.388911111	0.384177778	0.395791111	0.379084444	0.375635556	0.409631111	0.429088889
52	2/19/2022	0.405053333	0.398586667	0.415164444	0.405631111	0.410928889	0.429871111	0.415333333	0.405191111
53	2/20/2022	0.459488889	0.462537778	0.457013333	0.471431111	0.456466667	0.485795556	0.446604444	0.460368889
54	2/21/2022	0.345351111	0.348866667	0.349782222	0.346911111	0.32804	0.355542222	0.330182222	0.35092
55	2/22/2022	0.266257778	0.274644444	0.251146667	0.259671111	0.253111111	0.271066667	0.261271111	0.234528889
56	2/23/2022	0.279111111	0.276466667	0.268031111	0.285502222	0.290164444	0.291822222	0.298262222	0.299751111
57	2/24/2022	0.409942222	0.397084444	0.398275556	0.391142222	0.411213333	0.400355556	0.374288889	0.401995556
58	2/25/2022	0.400311111	0.363915556	0.37484	0.375733333	0.403217778	0.386937778	0.398017778	0.366808889
59	2/26/2022	0.436542222	0.439991111	0.431288889	0.463293333	0.410782222	0.418857778	0.405364444	0.42416
60	2/27/2022	0.442924444	0.421697778	0.388097778	0.416542222	0.42812	0.418582222	0.41652	0.430364444
61	2/28/2022	0.385991111	0.423484444	0.385915556	0.395311111	0.355777778	0.384035556	0.389048889	0.403715556
62	3/1/2022	0.349844444	0.34408	0.352186667	0.374097778	0.350444444	0.346444444	0.348133333	0.337693333
63	3/2/2022	0.267168889	0.263142222	0.260084444	0.254017778	0.265355556	0.258462222	0.264128889	0.265475556
64	3/3/2022	0.215231111	0.2244	0.229604444	0.215284444	0.229995556	0.224551111	0.232568889	0.245982222
65	3/4/2022	0.398271111	0.351888889	0.355915556	0.352284444	0.386924444	0.379746667	0.380271111	0.390293333

	B	T	U	V	W	X	Y	Z	AA
2	measurement date	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545
34	2/1/2022	0.413422222	0.395417778	0.399217778	0.367511111	0.455568889	0.445964444	0.430684444	0.437226667
35	2/2/2022	0.296071111	0.30716	0.320591111	0.33872	0.378537778	0.345782222	0.388964444	0.396684444
36	2/3/2022	0.374173333	0.347408889	0.394564444	0.377835556	0.416373333	0.429764444	0.42444	0.426728889
37	2/4/2022	0.456684444	0.493635556	0.462693333	0.485906667	0.518195556	0.508795556	0.48992	0.499026667
38	2/5/2022	0.505475556	0.515186667	0.452337778	0.516964444	0.514253333	0.481524444	0.503155556	0.494946667
39	2/6/2022	0.54616	0.510884444	0.521262222	0.514324444	0.529462222	0.557133333	0.513017778	0.56944
40	2/7/2022	0.430711111	0.456155556	0.42828	0.425915556	0.457328889	0.493026667	0.479733333	0.521506667
41	2/8/2022	0.464875556	0.445928889	0.490884444	0.489088889	0.480026667	0.522124444	0.548293333	0.571208889
42	2/9/2022	0.402022222	0.405995556	0.380195556	0.401217778	0.37708	0.401435556	0.41472	0.434111111
43	2/10/2022	0.376653333	0.380151111	0.362844444	0.402164444	0.391435556	0.407128889	0.400804444	0.425293333
44	2/11/2022	0.412942222	0.38968	0.389937778	0.416831111	0.411164444	0.441106667	0.439235556	0.415022222
45	2/12/2022	0.366813333	0.362862222	0.369942222	0.368115556	0.381666667	0.397782222	0.3738	0.407431111
46	2/13/2022	0.485884444	0.495808889	0.458391111	0.476635556	0.467248889	0.523982222	0.506102222	0.500551111
47	2/14/2022	0.544582222	0.491795556	0.521537778	0.5098	0.499431111	0.559711111	0.535328889	0.539377778
48	2/15/2022	0.493475556	0.491471111	0.488413333	0.533253333	0.485848889	0.520484444	0.517026667	0.521435556
49	2/16/2022	0.357511111	0.337111111	0.35484	0.354408889	0.349968889	0.361426667	0.392053333	0.405502222
50	2/17/2022	0.258653333	0.275733333	0.254333333	0.253906667	0.244848889	0.268137778	0.287004444	0.305964444
51	2/18/2022	0.411115556	0.410968889	0.392826667	0.388026667	0.378533333	0.401564444	0.436897778	0.430911111
52	2/19/2022	0.430062222	0.413462222	0.41272	0.426777778	0.43024	0.437848889	0.441355556	0.447724444
53	2/20/2022	0.43792	0.480048889	0.454088889	0.436613333	0.456555556	0.464982222	0.45848	0.488733333
54	2/21/2022	0.353813333	0.358413333	0.377168889	0.360733333	0.341275556	0.372653333	0.376911111	0.372444444
55	2/22/2022	0.269253333	0.257173333	0.276284444	0.239528889	0.247644444	0.260386667	0.272702222	0.325791111
56	2/23/2022	0.311475556	0.323915556	0.307942222	0.325688889	0.321448889	0.365275556	0.378462222	0.390355556
57	2/24/2022	0.400968889	0.405044444	0.389951111	0.399102222	0.389031111	0.41492	0.431386667	0.419626667
58	2/25/2022	0.384431111	0.398462222	0.411062222	0.403871111	0.420226667	0.457493333	0.450093333	0.442937778
59	2/26/2022	0.428608889	0.397742222	0.439888889	0.422751111	0.42084	0.42868	0.418746667	0.418328889
60	2/27/2022	0.453351111	0.429213333	0.422831111	0.457871111	0.422355556	0.462408889	0.432026667	0.453826667
61	2/28/2022	0.370528889	0.408142222	0.374364444	0.393928889	0.39876	0.407448889	0.42596	0.450546667
62	3/1/2022	0.353715556	0.379062222	0.367008889	0.346355556	0.360951111	0.349342222	0.38212	0.400444444
63	3/2/2022	0.290382222	0.294057778	0.261608889	0.281017778	0.294622222	0.315342222	0.324511111	0.340062222
64	3/3/2022	0.239457778	0.231671111	0.242035556	0.246542222	0.237635556	0.251293333	0.274533333	0.286453333
65	3/4/2022	0.3702	0.354764444	0.365902222	0.369257778	0.386404444	0.383248889	0.41284	0.446391111

	B	AB	AC	AD	AE	AF	AG	AH	AI
2	measurement date	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730	D_0745
34	2/1/2022	0.475791111	0.479004444	0.542257778	0.54348	0.560426667	0.513035556	0.541257778	0.541444444
35	2/2/2022	0.408231111	0.451875556	0.458888889	0.435062222	0.464688889	0.471546667	0.468688889	0.444386667
36	2/3/2022	0.427515556	0.45832	0.468146667	0.478635556	0.506115556	0.494026667	0.461888889	0.483408889
37	2/4/2022	0.525755556	0.506053333	0.516551111	0.485693333	0.532982222	0.575884444	0.528035556	0.571186667
38	2/5/2022	0.513737778	0.523577778	0.52752	0.562577778	0.520573333	0.546048889	0.553853333	0.568528889
39	2/6/2022	0.528613333	0.583746667	0.551693333	0.563497778	0.544551111	0.597066667	0.586737778	0.653066667
40	2/7/2022	0.537866667	0.501675556	0.510817778	0.513537778	0.57272	0.504026667	0.518671111	0.530177778
41	2/8/2022	0.574191111	0.606053333	0.593271111	0.602377778	0.637373333	0.647511111	0.657853333	0.57904
42	2/9/2022	0.449675556	0.487808889	0.53288	0.494533333	0.512351111	0.477946667	0.500813333	0.45928
43	2/10/2022	0.425186667	0.478711111	0.47612	0.490911111	0.509142222	0.503466667	0.50116	0.552822222
44	2/11/2022	0.471128889	0.487777778	0.482533333	0.489044444	0.528515556	0.557546667	0.502991111	0.484586667
45	2/12/2022	0.402435556	0.423964444	0.405066667	0.419764444	0.415986667	0.451257778	0.439284444	0.47064
46	2/13/2022	0.462853333	0.479888889	0.520448889	0.5198	0.531351111	0.537844444	0.54884	0.542311111
47	2/14/2022	0.592573333	0.557102222	0.580244444	0.567537778	0.60424	0.604875556	0.630351111	0.642146667
48	2/15/2022	0.547262222	0.617777778	0.616155556	0.602022222	0.613582222	0.63688	0.658102222	0.556017778
49	2/16/2022	0.416315556	0.4998	0.471431111	0.450173333	0.443071111	0.450497778	0.479848889	0.420622222
50	2/17/2022	0.30232	0.356582222	0.375026667	0.378577778	0.388213333	0.353586667	0.374768889	0.32984
51	2/18/2022	0.472746667	0.46528	0.472346667	0.467271111	0.476351111	0.510057778	0.534955556	0.509471111
52	2/19/2022	0.428182222	0.427017778	0.436137778	0.452186667	0.45288	0.463182222	0.479462222	0.477186667
53	2/20/2022	0.458764444	0.481146667	0.502568889	0.461244444	0.487577778	0.518942222	0.51968	0.507275556
54	2/21/2022	0.37952	0.41812	0.409475556	0.42172	0.45744	0.476222222	0.462817778	0.441368889
55	2/22/2022	0.321822222	0.372466667	0.399071111	0.380328889	0.362457778	0.352057778	0.371595556	0.34376
56	2/23/2022	0.389031111	0.449675556	0.451675556	0.422266667	0.484413333	0.453466667	0.466942222	0.468862222
57	2/24/2022	0.502475556	0.517786667	0.530293333	0.513368889	0.534577778	0.567386667	0.505808889	0.509702222
58	2/25/2022	0.442288889	0.484822222	0.500573333	0.519964444	0.526191111	0.551377778	0.501324444	0.477546667
59	2/26/2022	0.431795556	0.417351111	0.465711111	0.471088889	0.480071111	0.475511111	0.491831111	0.504928889
60	2/27/2022	0.448844444	0.441933333	0.499035556	0.47492	0.496284444	0.483613333	0.4946	0.469164444
61	2/28/2022	0.506555556	0.516697778	0.510124444	0.504262222	0.512017778	0.533373333	0.516453333	0.48664
62	3/1/2022	0.421688889	0.455	0.44984	0.445182222	0.453684444	0.471088889	0.466471111	0.489591111
63	3/2/2022	0.356751111	0.363915556	0.411662222	0.39476	0.403151111	0.412182222	0.404173333	0.353653333
64	3/3/2022	0.291693333	0.307973333	0.383457778	0.380182222	0.371724444	0.389457778	0.369533333	0.372942222
65	3/4/2022	0.447182222	0.457062222	0.471835556	0.48084	0.477995556	0.491248889	0.436195556	0.421857778

	B	AJ	AK	AL	AM	AN	AO	AP	AQ
2	measurement date	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945
34	2/1/2022	0.512942222	0.512511111	0.45468	0.391626667	0.348151111	0.275866667	0.244742222	0.237697778
35	2/2/2022	0.409893333	0.430462222	0.449711111	0.4214	0.427386667	0.395217778	0.405675556	0.372604444
36	2/3/2022	0.500848889	0.505662222	0.529328889	0.554604444	0.542524444	0.55164	0.568542222	0.607684444
37	2/4/2022	0.598386667	0.599733333	0.579177778	0.594657778	0.677608889	0.595875556	0.642542222	0.622146667
38	2/5/2022	0.635493333	0.627413333	0.631186667	0.68396	0.654902222	0.664595556	0.605226667	0.611706667
39	2/6/2022	0.589231111	0.614835556	0.615808889	0.63996	0.593248889	0.604013333	0.580417778	0.55192
40	2/7/2022	0.488986667	0.505684444	0.489857778	0.439062222	0.429031111	0.3902	0.350004444	0.321604444
41	2/8/2022	0.584088889	0.602022222	0.554133333	0.530342222	0.504395556	0.447146667	0.434328889	0.377586667
42	2/9/2022	0.494933333	0.51428	0.494022222	0.438986667	0.431164444	0.390453333	0.334257778	0.335746667
43	2/10/2022	0.49488	0.440177778	0.362711111	0.34276	0.257582222	0.24172	0.200062222	0.178871111
44	2/11/2022	0.462995556	0.465995556	0.428328889	0.38916	0.320484444	0.265017778	0.253493333	0.260177778
45	2/12/2022	0.473333333	0.501057778	0.489906667	0.483782222	0.470222222	0.410306667	0.401106667	0.369151111
46	2/13/2022	0.546515556	0.597866667	0.586457778	0.481288889	0.477044444	0.443026667	0.383631111	0.320093333
47	2/14/2022	0.597133333	0.609106667	0.585097778	0.550471111	0.521937778	0.537533333	0.4876	0.483395556
48	2/15/2022	0.530551111	0.527293333	0.418168889	0.353191111	0.312933333	0.259373333	0.27132	0.219564444
49	2/16/2022	0.392546667	0.38308	0.346115556	0.336488889	0.255848889	0.235537778	0.216951111	0.188613333
50	2/17/2022	0.333208889	0.360453333	0.358906667	0.388555556	0.379351111	0.349506667	0.354	0.303022222
51	2/18/2022	0.489204444	0.480271111	0.406382222	0.380693333	0.370164444	0.354342222	0.299902222	0.276555556
52	2/19/2022	0.429671111	0.429817778	0.403355556	0.372271111	0.288955556	0.261804444	0.196413333	0.202124444
53	2/20/2022	0.469275556	0.467311111	0.40488	0.387804444	0.355457778	0.302386667	0.222595556	0.171213333
54	2/21/2022	0.417604444	0.364995556	0.298973333	0.263986667	0.196031111	0.163982222	0.131106667	0.152293333
55	2/22/2022	0.355448889	0.340324444	0.356404444	0.341977778	0.340506667	0.324626667	0.287257778	0.30908
56	2/23/2022	0.498608889	0.468911111	0.448013333	0.439164444	0.400106667	0.386111111	0.395915556	0.356768889
57	2/24/2022	0.47808	0.502266667	0.457257778	0.466088889	0.414542222	0.359284444	0.307417778	0.317115556
58	2/25/2022	0.474617778	0.500573333	0.499582222	0.490991111	0.490422222	0.476324444	0.454942222	0.422751111
59	2/26/2022	0.471902222	0.455351111	0.467093333	0.464315556	0.475106667	0.425035556	0.391328889	0.359364444
60	2/27/2022	0.422968889	0.42676	0.356462222	0.330675556	0.260528889	0.233657778	0.22876	0.164973333
61	2/28/2022	0.387888889	0.375195556	0.303057778	0.267146667	0.219511111	0.210533333	0.171924444	0.140777778
62	3/1/2022	0.434457778	0.40712	0.388933333	0.35816	0.298791111	0.248182222	0.254555556	0.226231111
63	3/2/2022	0.318355556	0.304231111	0.210417778	0.180937778	0.200617778	0.126084444	0.088528889	0.057217778
64	3/3/2022	0.352724444	0.296546667	0.291622222	0.265862222	0.247168889	0.210093333	0.208346667	0.211457778
65	3/4/2022	0.419213333	0.379968889	0.345324444	0.302151111	0.23144	0.170782222	0.157644444	0.156084444

	B	AR	AS	AT	AU	AV	AW	AX	AY
2	measurement date	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
34	2/1/2022	0.16636	0.142555556	0.135853333	0.116622222	0.126577778	0.102702222	0.123782222	0.109537778
35	2/2/2022	0.366662222	0.347422222	0.345746667	0.334062222	0.356413333	0.322782222	0.342622222	0.357862222
36	2/3/2022	0.57176	0.599253333	0.579893333	0.557648889	0.579333333	0.604466667	0.565662222	0.597186667
37	2/4/2022	0.590306667	0.635551111	0.609053333	0.598071111	0.590164444	0.586071111	0.532777778	0.578848889
38	2/5/2022	0.647395556	0.577764444	0.558017778	0.655991111	0.609862222	0.581266667	0.574484444	0.585391111
39	2/6/2022	0.563008889	0.515391111	0.484804444	0.478253333	0.442084444	0.519804444	0.408857778	0.40456
40	2/7/2022	0.256342222	0.277875556	0.254297778	0.251288889	0.235275556	0.214311111	0.192448889	0.189457778
41	2/8/2022	0.339875556	0.304537778	0.30168	0.29584	0.223133333	0.225168889	0.188391111	0.17744
42	2/9/2022	0.286213333	0.217986667	0.132506667	0.108555556	0.098831111	0.06956	0.088457778	0.092137778
43	2/10/2022	0.137235556	0.137173333	0.098497778	0.083186667	0.088048889	0.08604	0.09064	0.070048889
44	2/11/2022	0.18008	0.142422222	0.131742222	0.143093333	0.168928889	0.212244444	0.191746667	0.204257778
45	2/12/2022	0.389875556	0.423982222	0.376906667	0.36084	0.370573333	0.35876	0.354608889	0.375884444
46	2/13/2022	0.253457778	0.254857778	0.24952	0.245568889	0.242991111	0.231497778	0.207533333	0.124822222
47	2/14/2022	0.459257778	0.424133333	0.39288	0.333048889	0.309048889	0.287031111	0.237208889	0.252342222
48	2/15/2022	0.177573333	0.178751111	0.138502222	0.125884444	0.116088889	0.082115556	0.089768889	0.090724444
49	2/16/2022	0.131653333	0.116248889	0.104893333	0.079333333	0.08148	0.087031111	0.084786667	0.076102222
50	2/17/2022	0.213911111	0.225626667	0.211128889	0.228577778	0.234355556	0.251577778	0.275724444	0.269817778
51	2/18/2022	0.246137778	0.224333333	0.187444444	0.149382222	0.172408889	0.159906667	0.196746667	0.191364444
52	2/19/2022	0.170897778	0.174822222	0.133515556	0.105742222	0.103568889	0.101746667	0.095293333	0.132604444
53	2/20/2022	0.155928889	0.169475556	0.160275556	0.15104	0.126662222	0.104057778	0.111853333	0.102542222
54	2/21/2022	0.125191111	0.100653333	0.082248889	0.083088889	0.099506667	0.084151111	0.083964444	0.089111111
55	2/22/2022	0.321573333	0.336013333	0.337	0.324235556	0.349586667	0.332417778	0.304164444	0.289928889
56	2/23/2022	0.323088889	0.316822222	0.325373333	0.282617778	0.273524444	0.260235556	0.290351111	0.286275556
57	2/24/2022	0.272155556	0.275235556	0.294151111	0.261551111	0.20912	0.168862222	0.160475556	0.197257778
58	2/25/2022	0.394751111	0.366004444	0.330826667	0.34048	0.342515556	0.3602	0.385457778	0.377724444
59	2/26/2022	0.316408889	0.297911111	0.245568889	0.266724444	0.292533333	0.257808889	0.247244444	0.230395556
60	2/27/2022	0.170155556	0.162888889	0.157124444	0.161342222	0.154604444	0.115044444	0.076964444	0.084613333
61	2/28/2022	0.106444444	0.086391111	0.080408889	0.076577778	0.052777778	0.0584	0.052653333	0.046982222
62	3/1/2022	0.19076	0.133533333	0.102017778	0.086906667	0.051462222	0.05168	0.056462222	0.035502222
63	3/2/2022	0.064591111	0.06876	0.062222222	0.039293333	0.047284444	0.044324444	0.040111111	0.040186667
64	3/3/2022	0.218484444	0.24468	0.202688889	0.191537778	0.187977778	0.185808889	0.202902222	0.177897778
65	3/4/2022	0.12676	0.121551111	0.090777778	0.086306667	0.074848889	0.053533333	0.053582222	0.044151111

	B	AZ	BA	BB	BC	BD	BE	BF	BG
2	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345
34	2/1/2022	0.091217778	0.087128889	0.083968889	0.07644	0.074271111	0.067728889	0.074786667	0.072084444
35	2/2/2022	0.329155556	0.350911111	0.381368889	0.374791111	0.380093333	0.378693333	0.40384	0.388937778
36	2/3/2022	0.599213333	0.611364444	0.60996	0.635173333	0.637577778	0.601613333	0.659377778	0.609911111
37	2/4/2022	0.544644444	0.572982222	0.580862222	0.55512	0.595093333	0.549408889	0.581293333	0.546782222
38	2/5/2022	0.55472	0.537702222	0.525884444	0.502102222	0.502786667	0.527608889	0.517866667	0.504973333
39	2/6/2022	0.385773333	0.405333333	0.357493333	0.326702222	0.324306667	0.332502222	0.298768889	0.305915556
40	2/7/2022	0.170133333	0.160875556	0.157773333	0.172564444	0.175506667	0.142337778	0.135742222	0.146555556
41	2/8/2022	0.173546667	0.167524444	0.126324444	0.124737778	0.117733333	0.135368889	0.105782222	0.099844444
42	2/9/2022	0.076044444	0.075866667	0.067462222	0.076777778	0.077311111	0.068906667	0.08468	0.078946667
43	2/10/2022	0.068422222	0.073026667	0.064911111	0.075448889	0.063475556	0.055573333	0.054128889	0.058977778
44	2/11/2022	0.189235556	0.197693333	0.182226667	0.170342222	0.195524444	0.217755556	0.164755556	0.145288889
45	2/12/2022	0.394631111	0.437897778	0.389644444	0.368488889	0.348764444	0.346222222	0.365471111	0.357822222
46	2/13/2022	0.109364444	0.124453333	0.120013333	0.117808889	0.082333333	0.079968889	0.096195556	0.103542222
47	2/14/2022	0.191382222	0.184328889	0.189475556	0.165471111	0.143297778	0.136053333	0.147764444	0.161053333
48	2/15/2022	0.118951111	0.099293333	0.102426667	0.080022222	0.059466667	0.071933333	0.084386667	0.076177778
49	2/16/2022	0.090133333	0.099706667	0.099284444	0.063004444	0.068222222	0.07668	0.051564444	0.049502222
50	2/17/2022	0.287324444	0.241062222	0.21596	0.228235556	0.244688889	0.263266667	0.267937778	0.249053333
51	2/18/2022	0.203057778	0.164386667	0.165813333	0.146368889	0.1422	0.104355556	0.090595556	0.096591111
52	2/19/2022	0.112377778	0.111875556	0.111671111	0.102266667	0.117386667	0.087008889	0.082248889	0.080115556
53	2/20/2022	0.102684444	0.086804444	0.101053333	0.077573333	0.081844444	0.067977778	0.059328889	0.059186667
54	2/21/2022	0.118062222	0.138475556	0.135826667	0.150542222	0.152128889	0.175217778	0.149213333	0.130782222
55	2/22/2022	0.263524444	0.245564444	0.222413333	0.182466667	0.179222222	0.1536	0.148786667	0.174911111
56	2/23/2022	0.279457778	0.274057778	0.243631111	0.235742222	0.233933333	0.213133333	0.262977778	0.270084444
57	2/24/2022	0.210182222	0.216657778	0.201586667	0.191595556	0.189195556	0.192915556	0.227555556	0.238306667
58	2/25/2022	0.324928889	0.315017778	0.344093333	0.310031111	0.3156	0.298297778	0.318804444	0.305937778
59	2/26/2022	0.265786667	0.263404444	0.26364	0.314444444	0.229697778	0.202853333	0.163186667	0.150702222
60	2/27/2022	0.08276	0.081986667	0.074577778	0.078333333	0.094897778	0.058768889	0.083626667	0.085795556
61	2/28/2022	0.062346667	0.064284444	0.04876	0.045137778	0.05888	0.064435556	0.050217778	0.062875556
62	3/1/2022	0.045608889	0.036213333	0.023866667	0.025035556	0.029555556	0.040582222	0.039604444	0.03548
63	3/2/2022	0.043817778	0.039386667	0.03304	0.024568889	0.027702222	0.026231111	0.035111111	0.038142222
64	3/3/2022	0.186262222	0.223915556	0.155297778	0.123822222	0.123382222	0.080857778	0.082875556	0.068195556
65	3/4/2022	0.048324444	0.055924444	0.055391111	0.050195556	0.041204444	0.029373333	0.030697778	0.042862222

	B	BH	BI	BJ	BK	BL	BM	BN	BO
2	measurement date	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545
34	2/1/2022	0.068986667	0.054897778	0.06464	0.063835556	0.097386667	0.09924	0.101066667	0.103524444
35	2/2/2022	0.372137778	0.360782222	0.3752	0.349808889	0.337084444	0.388266667	0.385884444	0.39432
36	2/3/2022	0.601862222	0.568715556	0.576537778	0.586786667	0.612311111	0.612684444	0.602626667	0.5676
37	2/4/2022	0.552693333	0.575368889	0.589928889	0.57108	0.530035556	0.536893333	0.571831111	0.57884
38	2/5/2022	0.477022222	0.505386667	0.494342222	0.524902222	0.519808889	0.550848889	0.522911111	0.548617778
39	2/6/2022	0.300977778	0.320426667	0.277648889	0.295537778	0.264182222	0.263893333	0.297786667	0.290706667
40	2/7/2022	0.169062222	0.149071111	0.158177778	0.172524444	0.168564444	0.197715556	0.19944	0.191533333
41	2/8/2022	0.102666667	0.104031111	0.106017778	0.122795556	0.103453333	0.132377778	0.129866667	0.115351111
42	2/9/2022	0.097271111	0.057151111	0.048257778	0.069395556	0.084226667	0.098368889	0.106533333	0.142355556
43	2/10/2022	0.067706667	0.055422222	0.062635556	0.049471111	0.059013333	0.066222222	0.073564444	0.126804444
44	2/11/2022	0.20544	0.200008889	0.204244444	0.250026667	0.26928	0.258257778	0.202386667	0.195693333
45	2/12/2022	0.367204444	0.334977778	0.369168889	0.378026667	0.36312	0.368853333	0.368004444	0.37928
46	2/13/2022	0.122711111	0.131226667	0.152702222	0.196506667	0.157928889	0.23732	0.264208889	0.296946667
47	2/14/2022	0.142062222	0.140217778	0.098306667	0.117097778	0.124	0.145457778	0.152235556	0.1406
48	2/15/2022	0.076542222	0.077942222	0.080266667	0.089937778	0.082466667	0.086697778	0.108377778	0.098053333
49	2/16/2022	0.062244444	0.067244444	0.05584	0.082422222	0.128764444	0.121697778	0.149475556	0.145791111
50	2/17/2022	0.263	0.337568889	0.311235556	0.311653333	0.321871111	0.324	0.353106667	0.312515556
51	2/18/2022	0.080675556	0.09256	0.094173333	0.084177778	0.083093333	0.111168889	0.091804444	0.110813333
52	2/19/2022	0.105324444	0.086311111	0.093684444	0.098253333	0.116546667	0.105337778	0.098906667	0.119097778
53	2/20/2022	0.059853333	0.058528889	0.064897778	0.076195556	0.088	0.074737778	0.077853333	0.1046
54	2/21/2022	0.125333333	0.128764444	0.100311111	0.080786667	0.072048889	0.055671111	0.092746667	0.112862222
55	2/22/2022	0.215035556	0.180457778	0.203155556	0.265262222	0.250537778	0.248511111	0.259168889	0.258671111
56	2/23/2022	0.291022222	0.266586667	0.299253333	0.274644444	0.265128889	0.274844444	0.293448889	0.341275556
57	2/24/2022	0.263022222	0.270008889	0.254773333	0.270533333	0.325933333	0.333275556	0.411942222	0.435217778
58	2/25/2022	0.29692	0.31212	0.352048889	0.346497778	0.337671111	0.379706667	0.348133333	0.370742222
59	2/26/2022	0.137853333	0.119973333	0.101471111	0.109333333	0.104168889	0.125328889	0.126773333	0.145942222
60	2/27/2022	0.08792	0.060293333	0.074275556	0.066884444	0.076231111	0.082097778	0.099168889	0.078915556
61	2/28/2022	0.053177778	0.052382222	0.052986667	0.0486	0.05064	0.060213333	0.087306667	0.079866667
62	3/1/2022	0.043835556	0.03248	0.031368889	0.039195556	0.042435556	0.063595556	0.074208889	0.082888889
63	3/2/2022	0.049453333	0.038942222	0.053177778	0.045942222	0.047413333	0.042697778	0.047546667	0.047306667
64	3/3/2022	0.081542222	0.061306667	0.080026667	0.096568889	0.058008889	0.04752	0.04904	0.064066667
65	3/4/2022	0.054097778	0.066675556	0.060297778	0.071151111	0.095293333	0.11844	0.146644444	0.171364444

	B	BP	BQ	BR	BS	BT	BU	BV	BW
2	measurement date	D_1600	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745
34	2/1/2022	0.137333333	0.132897778	0.138577778	0.153742222	0.232257778	0.258422222	0.310142222	0.369831111
35	2/2/2022	0.447288889	0.426	0.470693333	0.460195556	0.492417778	0.493635556	0.499275556	0.514084444
36	2/3/2022	0.553817778	0.5924	0.611186667	0.608853333	0.621991111	0.638662222	0.620524444	0.679133333
37	2/4/2022	0.533035556	0.575417778	0.644	0.609213333	0.62192	0.626084444	0.645066667	0.654151111
38	2/5/2022	0.524537778	0.528702222	0.547666667	0.565435556	0.543777778	0.551706667	0.558382222	0.604226667
39	2/6/2022	0.300991111	0.304124444	0.314297778	0.396728889	0.437262222	0.437124444	0.496471111	0.540315556
40	2/7/2022	0.181848889	0.189537778	0.235951111	0.302151111	0.313177778	0.344475556	0.393728889	0.450031111
41	2/8/2022	0.160702222	0.182773333	0.197217778	0.215951111	0.278835556	0.303928889	0.326897778	0.40048
42	2/9/2022	0.168044444	0.156586667	0.147004444	0.1738	0.24772	0.312662222	0.386942222	0.45016
43	2/10/2022	0.132928889	0.179862222	0.168844444	0.186737778	0.210595556	0.222746667	0.285715556	0.321853333
44	2/11/2022	0.227293333	0.266355556	0.32432	0.310635556	0.335964444	0.413813333	0.415177778	0.451902222
45	2/12/2022	0.432777778	0.437875556	0.477853333	0.481617778	0.43552	0.499444444	0.523844444	0.546586667
46	2/13/2022	0.363782222	0.42852	0.46684	0.474324444	0.52024	0.557773333	0.580568889	0.615102222
47	2/14/2022	0.18512	0.206146667	0.228937778	0.258915556	0.310115556	0.339573333	0.391924444	0.426955556
48	2/15/2022	0.1144	0.128355556	0.160986667	0.204728889	0.233862222	0.286884444	0.361195556	0.343515556
49	2/16/2022	0.176355556	0.220217778	0.2574	0.279408889	0.30752	0.333217778	0.353404444	0.344431111
50	2/17/2022	0.369248889	0.362715556	0.359266667	0.403982222	0.437333333	0.441231111	0.497164444	0.486417778
51	2/18/2022	0.120391111	0.13272	0.181026667	0.232955556	0.242222222	0.279515556	0.318995556	0.361831111
52	2/19/2022	0.147213333	0.171506667	0.200368889	0.22252	0.237946667	0.270288889	0.314311111	0.364733333
53	2/20/2022	0.10732	0.129351111	0.166097778	0.177853333	0.21008	0.211751111	0.292044444	0.300186667
54	2/21/2022	0.129102222	0.148782222	0.159995556	0.186337778	0.196671111	0.232062222	0.307484444	0.299671111
55	2/22/2022	0.280995556	0.315942222	0.313088889	0.322306667	0.319408889	0.331195556	0.360537778	0.387431111
56	2/23/2022	0.349515556	0.355351111	0.379582222	0.404124444	0.427391111	0.434182222	0.48196	0.528662222
57	2/24/2022	0.456248889	0.454933333	0.469671111	0.486977778	0.497497778	0.530382222	0.543662222	0.571391111
58	2/25/2022	0.406968889	0.45264	0.45636	0.447831111	0.45112	0.49272	0.513893333	0.561146667
59	2/26/2022	0.170471111	0.215386667	0.227342222	0.235377778	0.283133333	0.272764444	0.310217778	0.348088889
60	2/27/2022	0.08628	0.12224	0.14936	0.186382222	0.208311111	0.246884444	0.285008889	0.337946667
61	2/28/2022	0.099017778	0.100875556	0.119937778	0.125151111	0.161328889	0.186337778	0.239368889	0.298626667
62	3/1/2022	0.072093333	0.062493333	0.08412	0.129257778	0.140048889	0.154342222	0.192977778	0.22184
63	3/2/2022	0.073013333	0.084697778	0.099288889	0.116853333	0.125306667	0.160693333	0.183302222	0.214862222
64	3/3/2022	0.089817778	0.131182222	0.167244444	0.214791111	0.254973333	0.309431111	0.288826667	0.304777778
65	3/4/2022	0.175768889	0.177862222	0.179448889	0.24648	0.272346667	0.295297778	0.343208889	0.390488889

	B	BX	BY	BZ	CA	CB	CC	CD	CE
2	measurement date	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945
34	2/1/2022	0.436217778	0.436991111	0.432337778	0.432782222	0.473577778	0.483155556	0.506977778	0.489693333
35	2/2/2022	0.48116	0.531888889	0.522897778	0.502782222	0.530404444	0.532155556	0.539124444	0.522311111
36	2/3/2022	0.656342222	0.6934	0.639026667	0.622128889	0.6746	0.634013333	0.614964444	0.632715556
37	2/4/2022	0.643822222	0.674964444	0.650751111	0.634595556	0.622155556	0.601004444	0.615364444	0.671497778
38	2/5/2022	0.60424	0.544337778	0.605657778	0.663404444	0.653288889	0.713777778	0.685751111	0.647511111
39	2/6/2022	0.575355556	0.56168	0.573111111	0.582351111	0.630875556	0.59264	0.638435556	0.631657778
40	2/7/2022	0.47516	0.538671111	0.541324444	0.560106667	0.578204444	0.537137778	0.589448889	0.619488889
41	2/8/2022	0.466084444	0.49336	0.492128889	0.489942222	0.51608	0.494168889	0.513448889	0.536404444
42	2/9/2022	0.463102222	0.476057778	0.464364444	0.45052	0.459506667	0.48796	0.499271111	0.48916
43	2/10/2022	0.384893333	0.464493333	0.47488	0.477582222	0.480368889	0.489053333	0.51544	0.526351111
44	2/11/2022	0.454657778	0.46276	0.460311111	0.475595556	0.467333333	0.46032	0.471315556	0.474128889
45	2/12/2022	0.515115556	0.526471111	0.559417778	0.568675556	0.580271111	0.597422222	0.61128	0.597604444
46	2/13/2022	0.599586667	0.631755556	0.619222222	0.63616	0.599746667	0.580337778	0.553048889	0.623791111
47	2/14/2022	0.480595556	0.549102222	0.566008889	0.573795556	0.602937778	0.574506667	0.598968889	0.604297778
48	2/15/2022	0.342968889	0.408488889	0.464262222	0.493826667	0.515222222	0.522231111	0.513066667	0.535471111
49	2/16/2022	0.36296	0.382311111	0.384768889	0.394266667	0.403577778	0.4496	0.432977778	0.397457778
50	2/17/2022	0.461773333	0.473533333	0.460706667	0.455217778	0.464986667	0.456168889	0.488133333	0.484555556
51	2/18/2022	0.424848889	0.434164444	0.462986667	0.499564444	0.517613333	0.539306667	0.544453333	0.539266667
52	2/19/2022	0.419831111	0.475697778	0.506422222	0.483155556	0.500328889	0.509702222	0.512386667	0.552502222
53	2/20/2022	0.352373333	0.41492	0.459151111	0.469191111	0.470564444	0.49784	0.48364	0.477511111
54	2/21/2022	0.325995556	0.388533333	0.403395556	0.418817778	0.418991111	0.427462222	0.465991111	0.448431111
55	2/22/2022	0.384733333	0.424862222	0.430177778	0.421684444	0.416675556	0.43308	0.447964444	0.449617778
56	2/23/2022	0.542128889	0.566004444	0.53684	0.521315556	0.564826667	0.545417778	0.557017778	0.54944
57	2/24/2022	0.560568889	0.554746667	0.519195556	0.583626667	0.589875556	0.576742222	0.563195556	0.562577778
58	2/25/2022	0.544062222	0.581866667	0.564155556	0.572222222	0.571506667	0.584804444	0.578653333	0.5946
59	2/26/2022	0.347275556	0.406435556	0.449346667	0.486671111	0.509488889	0.525435556	0.531484444	0.542737778
60	2/27/2022	0.374542222	0.417164444	0.457817778	0.496031111	0.512715556	0.495471111	0.525937778	0.538022222
61	2/28/2022	0.338897778	0.391413333	0.480768889	0.504737778	0.472417778	0.490635556	0.497608889	0.469328889
62	3/1/2022	0.246591111	0.3062	0.369715556	0.386586667	0.405382222	0.436702222	0.427968889	0.405182222
63	3/2/2022	0.257675556	0.332102222	0.345346667	0.376986667	0.388417778	0.391013333	0.397768889	0.425484444
64	3/3/2022	0.36968	0.393995556	0.445933333	0.446124444	0.453013333	0.492697778	0.505697778	0.516768889
65	3/4/2022	0.383106667	0.398213333	0.399906667	0.4366	0.459262222	0.467204444	0.47924	0.470031111

	B	CF	CG	CH	CI	CJ	CK	CL	CM
2	measurement date	D_2000	D_2015	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145
34	2/1/2022	0.500106667	0.526751111	0.516746667	0.512968889	0.497173333	0.497808889	0.524244444	0.495724444
35	2/2/2022	0.532937778	0.506426667	0.516506667	0.496013333	0.502937778	0.483222222	0.487142222	0.488146667
36	2/3/2022	0.628902222	0.6564	0.631493333	0.660688889	0.590324444	0.637457778	0.610404444	0.632444444
37	2/4/2022	0.663328889	0.626915556	0.612897778	0.657373333	0.62044	0.606413333	0.630026667	0.627071111
38	2/5/2022	0.678328889	0.693168889	0.654022222	0.658066667	0.612942222	0.624804444	0.661204444	0.646773333
39	2/6/2022	0.656551111	0.67156	0.625986667	0.615182222	0.624697778	0.590417778	0.594062222	0.591844444
40	2/7/2022	0.603542222	0.587911111	0.594057778	0.608248889	0.575351111	0.565786667	0.58172	0.582813333
41	2/8/2022	0.537017778	0.524048889	0.542217778	0.557577778	0.582395556	0.556244444	0.523124444	0.516462222
42	2/9/2022	0.465346667	0.515706667	0.51032	0.503097778	0.573831111	0.512151111	0.501657778	0.495635556
43	2/10/2022	0.531586667	0.53984	0.517244444	0.533733333	0.532813333	0.530364444	0.520453333	0.503013333
44	2/11/2022	0.502244444	0.476968889	0.457808889	0.469217778	0.428648889	0.447564444	0.434728889	0.437688889
45	2/12/2022	0.591773333	0.58956	0.591546667	0.601444444	0.611586667	0.563244444	0.570808889	0.552577778
46	2/13/2022	0.535853333	0.553297778	0.545533333	0.581431111	0.590422222	0.549288889	0.549902222	0.54772
47	2/14/2022	0.640466667	0.624306667	0.635377778	0.634617778	0.640928889	0.602933333	0.59416	0.573844444
48	2/15/2022	0.537457778	0.519155556	0.52132	0.530186667	0.543431111	0.512533333	0.511631111	0.515511111
49	2/16/2022	0.408302222	0.445466667	0.461613333	0.432324444	0.42068	0.416111111	0.396093333	0.411195556
50	2/17/2022	0.482395556	0.48616	0.485453333	0.48764	0.515288889	0.488146667	0.463817778	0.464595556
51	2/18/2022	0.553506667	0.518288889	0.542155556	0.550457778	0.549933333	0.567808889	0.56532	0.511906667
52	2/19/2022	0.55028	0.562253333	0.544502222	0.570977778	0.576515556	0.583155556	0.576231111	0.552066667
53	2/20/2022	0.477484444	0.474471111	0.487582222	0.491031111	0.443751111	0.45032	0.431182222	0.4324
54	2/21/2022	0.441262222	0.442377778	0.413844444	0.444577778	0.470302222	0.441693333	0.433382222	0.390191111
55	2/22/2022	0.395355556	0.421902222	0.399471111	0.418497778	0.424431111	0.382982222	0.378133333	0.3642
56	2/23/2022	0.543613333	0.585413333	0.563035556	0.566528889	0.580311111	0.593533333	0.582568889	0.536915556
57	2/24/2022	0.554102222	0.580457778	0.589511111	0.62364	0.570964444	0.556662222	0.541888889	0.550062222
58	2/25/2022	0.551262222	0.577146667	0.511137778	0.54228	0.558173333	0.50544	0.514093333	0.51616
59	2/26/2022	0.520791111	0.546044444	0.493533333	0.534164444	0.532413333	0.543537778	0.5334	0.547444444
60	2/27/2022	0.548875556	0.530124444	0.556377778	0.520928889	0.508057778	0.502053333	0.49924	0.513786667
61	2/28/2022	0.48376	0.512368889	0.471911111	0.515977778	0.513253333	0.483324444	0.481782222	0.468773333
62	3/1/2022	0.408035556	0.436075556	0.411048889	0.403808889	0.41028	0.396995556	0.403097778	0.385231111
63	3/2/2022	0.429008889	0.404822222	0.36412	0.379951111	0.396075556	0.391666667	0.387164444	0.33792
64	3/3/2022	0.477942222	0.492808889	0.51164	0.474644444	0.50616	0.556475556	0.563097778	0.566244444
65	3/4/2022	0.487835556	0.497315556	0.48464	0.450631111	0.453084444	0.46776	0.442537778	0.472155556

	B	CN	CO	CP	CQ	CR	CS	CT	CU
2	measurement date	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345
34	2/1/2022	0.4892	0.426973333	0.434568889	0.411746667	0.410568889	0.399177778	0.392417778	0.35252
35	2/2/2022	0.497137778	0.515431111	0.491777778	0.442315556	0.42596	0.440915556	0.418493333	0.434515556
36	2/3/2022	0.592102222	0.613133333	0.619022222	0.59972	0.577302222	0.524355556	0.510315556	0.504728889
37	2/4/2022	0.579795556	0.565066667	0.564533333	0.519848889	0.526324444	0.55592	0.467217778	0.497351111
38	2/5/2022	0.651835556	0.652702222	0.58856	0.614808889	0.629284444	0.608515556	0.56376	0.5878
39	2/6/2022	0.611955556	0.541964444	0.540257778	0.498182222	0.484471111	0.488426667	0.449457778	0.48884
40	2/7/2022	0.591235556	0.570671111	0.578031111	0.594302222	0.52984	0.503822222	0.466795556	0.484204444
41	2/8/2022	0.500946667	0.457373333	0.473737778	0.489537778	0.49732	0.451377778	0.456422222	0.424057778
42	2/9/2022	0.477022222	0.483884444	0.49252	0.459484444	0.452866667	0.44324	0.445555556	0.450431111
43	2/10/2022	0.49692	0.540551111	0.544888889	0.505111111	0.497146667	0.467808889	0.469804444	0.455631111
44	2/11/2022	0.446893333	0.446622222	0.460426667	0.437368889	0.390217778	0.396164444	0.395435556	0.368795556
45	2/12/2022	0.604391111	0.567755556	0.531555556	0.53764	0.511431111	0.529635556	0.502315556	0.511173333
46	2/13/2022	0.539186667	0.592853333	0.582422222	0.581768889	0.566062222	0.561751111	0.522973333	0.539217778
47	2/14/2022	0.605675556	0.561	0.513911111	0.529288889	0.554168889	0.509666667	0.499693333	0.482471111
48	2/15/2022	0.472066667	0.467066667	0.447422222	0.464973333	0.448706667	0.450964444	0.448226667	0.433844444
49	2/16/2022	0.432515556	0.417666667	0.402653333	0.353991111	0.341951111	0.324742222	0.309942222	0.31268
50	2/17/2022	0.450955556	0.451795556	0.449351111	0.460204444	0.452702222	0.428008889	0.427991111	0.431657778
51	2/18/2022	0.50988	0.499737778	0.485008889	0.50712	0.497604444	0.469008889	0.493004444	0.494773333
52	2/19/2022	0.531848889	0.52632	0.535084444	0.512471111	0.504	0.487826667	0.507488889	0.491648889
53	2/20/2022	0.416626667	0.406662222	0.410831111	0.371733333	0.39756	0.365373333	0.367208889	0.377128889
54	2/21/2022	0.367844444	0.362684444	0.3576	0.341142222	0.324004444	0.31904	0.321564444	0.313511111
55	2/22/2022	0.343537778	0.339675556	0.327497778	0.344017778	0.314826667	0.301	0.299226667	0.29808
56	2/23/2022	0.545342222	0.520675556	0.521208889	0.482622222	0.485191111	0.461457778	0.475737778	0.443817778
57	2/24/2022	0.554684444	0.55356	0.567102222	0.529337778	0.508075556	0.463066667	0.461111111	0.417408889
58	2/25/2022	0.520235556	0.505168889	0.492977778	0.488422222	0.470111111	0.479555556	0.467755556	0.478724444
59	2/26/2022	0.531257778	0.488106667	0.483102222	0.493213333	0.477377778	0.462942222	0.462986667	0.463657778
60	2/27/2022	0.541995556	0.547964444	0.492671111	0.471253333	0.451235556	0.426573333	0.399022222	0.389431111
61	2/28/2022	0.463622222	0.482795556	0.456737778	0.427995556	0.419724444	0.4126	0.437111111	0.417257778
62	3/1/2022	0.372542222	0.365226667	0.349164444	0.357022222	0.32172	0.311271111	0.3132	0.293497778
63	3/2/2022	0.326395556	0.322382222	0.311831111	0.304106667	0.302533333	0.302408889	0.289746667	0.280697778
64	3/3/2022	0.526844444	0.50188	0.466386667	0.453315556	0.440693333	0.411142222	0.418235556	0.426217778
65	3/4/2022	0.432613333	0.388653333	0.377688889	0.381911111	0.369951111	0.406644444	0.392062222	0.371808889

	B	CV	CW	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB
2	measurement date	D_2400		1	2	3	4	5	6	7	8	9	10	11	12
34	2/1/2022	0.341333333		1.63	1.68	1.57	1.62	1.62	1.79	2.13	2.11	1.71	0.92	0.52	0.43
35	2/2/2022	0.413004444		1.33	1.33	1.28	1.23	1.35	1.54	1.81	1.79	1.73	1.54	1.38	1.35
36	2/3/2022	0.515222222		1.57	1.52	1.54	1.50	1.54	1.71	1.91	1.94	2.13	2.30	2.32	2.37
37	2/4/2022	0.5374		1.89	1.83	1.78	1.90	1.96	2.02	2.04	2.27	2.45	2.45	2.43	2.24
38	2/5/2022	0.597155556		2.00	2.05	1.99	1.98	2.00	1.99	2.13	2.30	2.60	2.53	2.40	2.30
39	2/6/2022	0.465626667		2.17	2.23	2.04	2.15	2.08	2.17	2.24	2.43	2.46	2.30	1.92	1.72
40	2/7/2022	0.45224		1.66	1.67	1.67	1.72	1.77	2.03	2.10	2.04	1.86	1.32	1.02	0.77
41	2/8/2022	0.417462222		1.80	1.79	1.85	1.81	1.91	2.22	2.44	2.47	2.19	1.60	1.13	0.76
42	2/9/2022	0.427591111		1.58	1.53	1.52	1.57	1.56	1.70	2.03	1.93	1.88	1.35	0.56	0.33
43	2/10/2022	0.460893333		1.57	1.52	1.47	1.47	1.54	1.66	1.95	2.05	1.40	0.76	0.41	0.32
44	2/11/2022	0.386457778		1.74	1.60	1.67	1.62	1.61	1.77	1.99	2.01	1.60	0.96	0.59	0.80
45	2/12/2022	0.497942222		1.54	1.49	1.42	1.49	1.48	1.58	1.66	1.83	1.94	1.57	1.53	1.48
46	2/13/2022	0.505253333		1.84	1.86	1.86	1.83	1.90	1.99	2.05	2.18	2.14	1.40	0.99	0.67
47	2/14/2022	0.492413333		2.13	2.01	2.10	2.10	2.02	2.23	2.31	2.47	2.27	1.97	1.46	0.97
48	2/15/2022	0.426991111		1.84	1.86	1.91	1.94	2.00	2.11	2.45	2.38	1.61	0.93	0.56	0.38
49	2/16/2022	0.276528889		1.52	1.40	1.47	1.40	1.40	1.58	1.86	1.74	1.32	0.77	0.38	0.34
50	2/17/2022	0.384795556		1.09	1.09	1.04	1.05	1.03	1.16	1.50	1.39	1.49	1.22	0.90	1.08
51	2/18/2022	0.478031111		1.61	1.47	1.55	1.63	1.57	1.74	1.88	2.04	1.64	1.18	0.73	0.75
52	2/19/2022	0.486471111		1.78	1.65	1.63	1.68	1.68	1.76	1.77	1.85	1.49	0.83	0.52	0.44
53	2/20/2022	0.327377778		1.83	1.85	1.85	1.83	1.83	1.87	1.93	2.02	1.62	0.85	0.61	0.42
54	2/21/2022	0.297315556		1.42	1.37	1.37	1.39	1.44	1.50	1.71	1.80	1.12	0.57	0.37	0.38
55	2/22/2022	0.299475556		1.17	1.04	1.04	1.04	1.02	1.18	1.51	1.42	1.38	1.24	1.35	1.19
56	2/23/2022	0.428795556		1.10	1.13	1.12	1.20	1.28	1.52	1.81	1.89	1.76	1.46	1.20	1.12
57	2/24/2022	0.434631111		1.72	1.64	1.60	1.58	1.58	1.77	2.10	2.06	1.84	1.26	1.04	0.74
58	2/25/2022	0.459093333		1.71	1.62	1.52	1.54	1.63	1.79	2.03	2.00	1.98	1.75	1.38	1.45
59	2/26/2022	0.44644		1.81	1.73	1.75	1.68	1.68	1.70	1.83	1.94	1.86	1.49	1.10	1.00
60	2/27/2022	0.421288889		1.76	1.70	1.65	1.72	1.73	1.80	1.91	1.87	1.37	0.80	0.64	0.36
61	2/28/2022	0.387635556		1.61	1.56	1.56	1.55	1.58	1.79	2.04	1.92	1.16	0.63	0.30	0.22
62	3/1/2022	0.288995556		1.49	1.46	1.42	1.39	1.45	1.55	1.80	1.86	1.45	0.92	0.37	0.19
63	3/2/2022	0.285142222		1.15	1.09	1.04	1.08	1.13	1.34	1.57	1.49	0.90	0.34	0.22	0.17
64	3/3/2022	0.424133333		1.07	0.92	0.90	0.94	0.96	1.10	1.44	1.48	1.10	0.85	0.83	0.75
65	3/4/2022	0.332017778		1.57	1.55	1.45	1.52	1.48	1.69	1.89	1.77	1.26	0.61	0.37	0.20

	B	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
2	measurement date	13	14	15	16	17	18	19	20	21	22	23	24
34	2/1/2022	0.32	0.28	0.28	0.44	0.66	1.37	1.78	1.98	2.05	2.01	1.68	1.49
35	2/2/2022	1.49	1.54	1.42	1.62	1.85	1.99	2.09	2.13	2.02	1.96	1.88	1.71
36	2/3/2022	2.49	2.47	2.34	2.34	2.43	2.59	2.63	2.51	2.54	2.47	2.41	2.05
37	2/4/2022	2.30	2.23	2.27	2.22	2.45	2.57	2.58	2.55	2.52	2.44	2.18	2.06
38	2/5/2022	2.07	2.03	2.04	2.15	2.19	2.32	2.47	2.73	2.62	2.58	2.49	2.36
39	2/6/2022	1.41	1.24	1.16	1.15	1.45	2.05	2.35	2.52	2.54	2.39	2.06	1.89
40	2/7/2022	0.67	0.59	0.65	0.77	1.04	1.66	2.22	2.35	2.37	2.32	2.27	1.91
41	2/8/2022	0.54	0.44	0.44	0.54	0.87	1.50	1.99	2.08	2.21	2.10	1.92	1.75
42	2/9/2022	0.30	0.33	0.26	0.52	0.73	1.61	1.85	1.94	2.10	1.99	1.89	1.77
43	2/10/2022	0.28	0.24	0.23	0.40	0.75	1.22	1.90	2.06	2.12	2.05	2.09	1.85
44	2/11/2022	0.75	0.73	0.92	0.88	1.24	1.74	1.87	1.91	1.83	1.77	1.73	1.55
45	2/12/2022	1.54	1.44	1.45	1.55	1.83	2.08	2.23	2.40	2.39	2.29	2.15	2.04
46	2/13/2022	0.44	0.40	0.64	1.16	1.89	2.35	2.49	2.29	2.27	2.19	2.32	2.13
47	2/14/2022	0.68	0.59	0.48	0.62	1.00	1.64	2.29	2.42	2.54	2.38	2.16	1.98
48	2/15/2022	0.34	0.31	0.33	0.41	0.73	1.33	1.88	2.11	2.11	2.01	1.83	1.76
49	2/16/2022	0.33	0.24	0.33	0.59	1.06	1.39	1.56	1.69	1.76	1.66	1.52	1.22
50	2/17/2022	0.93	1.04	1.28	1.36	1.56	1.89	1.85	1.91	1.97	1.87	1.81	1.67
51	2/18/2022	0.62	0.37	0.35	0.43	0.79	1.39	1.91	2.18	2.16	2.15	1.99	1.93
52	2/19/2022	0.44	0.35	0.39	0.47	0.83	1.37	1.97	2.12	2.25	2.24	2.08	1.97
53	2/20/2022	0.35	0.25	0.29	0.36	0.68	1.16	1.81	1.94	1.90	1.73	1.59	1.44
54	2/21/2022	0.58	0.58	0.38	0.39	0.69	1.17	1.63	1.78	1.77	1.63	1.39	1.25
55	2/22/2022	0.83	0.69	0.90	1.05	1.27	1.46	1.69	1.73	1.66	1.47	1.33	1.20
56	2/23/2022	0.99	1.04	1.11	1.26	1.57	1.99	2.19	2.20	2.30	2.26	2.01	1.81
57	2/24/2022	0.80	0.92	1.12	1.64	1.91	2.21	2.25	2.26	2.36	2.20	2.16	1.78
58	2/25/2022	1.28	1.22	1.35	1.51	1.81	2.11	2.29	2.31	2.19	2.06	1.96	1.89
59	2/26/2022	1.07	0.65	0.43	0.57	0.96	1.28	1.85	2.12	2.11	2.16	1.94	1.84
60	2/27/2022	0.33	0.32	0.28	0.35	0.67	1.24	1.88	2.11	2.12	2.06	1.96	1.64
61	2/28/2022	0.22	0.23	0.20	0.33	0.51	1.06	1.85	1.94	2.01	1.90	1.79	1.65
62	3/1/2022	0.11	0.16	0.15	0.29	0.42	0.82	1.47	1.68	1.66	1.56	1.39	1.21
63	3/2/2022	0.12	0.15	0.19	0.21	0.43	0.82	1.44	1.64	1.54	1.44	1.24	1.16
64	3/3/2022	0.63	0.31	0.30	0.25	0.77	1.27	1.74	1.99	1.99	2.21	1.86	1.68
65	3/4/2022	0.20	0.16	0.29	0.61	0.88	1.41	1.69	1.90	1.89	1.82	1.52	1.50

	B	C	D	E	F	G	H	I	J	K
2	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145
66	3/5/2022	3	6	0.331493333	0.338404444	0.334604444	0.319071111	0.335368889	0.324146667	0.321386667
67	3/6/2022	3	7	0.243457778	0.250853333	0.260053333	0.227204444	0.24904	0.234462222	0.226595556
68	3/7/2022	3	1	0.242088889	0.241751111	0.237711111	0.237866667	0.24628	0.240511111	0.23936
69	3/8/2022	3	2	0.342262222	0.364355556	0.349426667	0.353906667	0.351995556	0.348208889	0.336653333
70	3/9/2022	3	3	0.36564	0.361031111	0.346048889	0.371066667	0.352546667	0.341217778	0.340822222
71	3/10/2022	3	4	0.387137778	0.382235556	0.357044444	0.339355556	0.363413333	0.344488889	0.363093333
72	3/11/2022	3	5	0.371951111	0.352662222	0.341044444	0.346013333	0.356866667	0.343213333	0.347653333
73	3/12/2022	3	6	0.422724444	0.436022222	0.442964444	0.431951111	0.439817778	0.411591111	0.429391111
74	3/13/2022	3	7	0.464102222	0.47092	0.443382222	0.480662222	0.464395556	0.473804444	0.492448889
75	3/14/2022	3	1	0.372293333	0.409195556	0.370515556	0.359008889	0.336288889	0.33824	0.316457778
76	3/15/2022	3	2	0.290048889	0.287155556	0.29976	0.278333333	0.291231111	0.262342222	0.261546667
77	3/16/2022	3	3	0.273622222	0.294471111	0.291728889	0.271568889	0.254302222	0.242186667	0.24044
78	3/17/2022	3	4	0.25396	0.251248889	0.244111111	0.242826667	0.241164444	0.231226667	0.247804444
79	3/18/2022	3	5	0.260764444	0.245262222	0.241137778	0.257337778	0.237386667	0.235057778	0.227484444
80	3/19/2022	3	6	0.259782222	0.238235556	0.225893333	0.218253333	0.239511111	0.231871111	0.223271111
81	3/20/2022	3	7	0.346382222	0.366688889	0.379511111	0.344946667	0.342417778	0.328208889	0.352173333
82	3/21/2022	3	1	0.275417778	0.296964444	0.273884444	0.283666667	0.30136	0.281066667	0.2848
83	3/22/2022	3	2	0.266995556	0.258426667	0.262813333	0.253804444	0.235631111	0.221973333	0.234017778
84	3/23/2022	3	3	0.262013333	0.2582	0.244506667	0.245342222	0.240964444	0.220542222	0.227311111
85	3/24/2022	3	4	0.274746667	0.275168889	0.271871111	0.259115556	0.280831111	0.259106667	0.275973333
86	3/25/2022	3	5	0.292146667	0.295293333	0.293426667	0.289595556	0.322022222	0.310897778	0.31008
87	3/26/2022	3	6	0.38824	0.363942222	0.33728	0.325631111	0.322875556	0.341111111	0.319106667
88	3/27/2022	3	7	0.397075556	0.37272	0.397297778	0.402724444	0.412666667	0.39532	0.386942222
89	3/28/2022	3	1	0.404777778	0.386635556	0.375084444	0.37484	0.362946667	0.3344	0.361644444
90	3/29/2022	3	2	0.361933333	0.361928889	0.378075556	0.35908	0.373124444	0.355488889	0.371484444
91	3/30/2022	3	3	0.378529148	0.365493274	0.366524664	0.33592	0.319111111	0.365471111	0.336097778
92	3/31/2022	3	4	0.315657778	0.273604444	0.256204444	0.237	0.234217778	0.23696	0.241457778
93	4/1/2022	4	5	0.344755556	0.331337778	0.329813333	0.32604	0.324466667	0.328293333	0.314582222
94	4/2/2022	4	6	0.349897778	0.351835556	0.348724444	0.35524	0.35056	0.337057778	0.353457778
95	4/3/2022	4	7	0.368182222	0.334946667	0.332946667	0.337284444	0.341648889	0.34776	0.318133333
96	4/4/2022	4	1	0.29852	0.287768889	0.286248889	0.260168889	0.28656	0.266324444	0.280457778
97	4/5/2022	4	2	0.328066964	0.322455357	0.293107143	0.281571429	0.29473991	0.321569507	0.331300448

	B	L	M	N	O	P	Q	R	S
2	measurement date	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330	D_0345
66	3/5/2022	0.317711111	0.328457778	0.313435556	0.300795556	0.288177778	0.323288889	0.326302222	0.306066667
67	3/6/2022	0.219008889	0.219195556	0.225035556	0.212626667	0.205431111	0.210795556	0.20932	0.216893333
68	3/7/2022	0.234968889	0.220466667	0.210546667	0.199071111	0.209626667	0.214688889	0.205688889	0.199582222
69	3/8/2022	0.338582222	0.328488889	0.330466667	0.34624	0.324764444	0.333288889	0.34272	0.31872
70	3/9/2022	0.35844	0.348848889	0.355484444	0.353053333	0.360191111	0.37932	0.351671111	0.328737778
71	3/10/2022	0.354995556	0.390026667	0.358888889	0.362257778	0.359151111	0.357946667	0.373937778	0.364324444
72	3/11/2022	0.340728889	0.339502222	0.375844444	0.349306667	0.341795556	0.350302222	0.377168889	0.339186667
73	3/12/2022	0.417031111	0.433395556	0.4142	0.408217778	0.407626667	0.413351111	0.437337778	0.416995556
74	3/13/2022	0.458013333	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.494031111	0.510835556	0.491822222
75	3/14/2022	0.34212	0.342102222	0.347373333	0.332813333	0.324124444	0.361142222	0.317617778	0.340528889
76	3/15/2022	0.269111111	0.279204444	0.296631111	0.277222222	0.262311111	0.265293333	0.266053333	0.277568889
77	3/16/2022	0.230177778	0.255537778	0.241977778	0.22548	0.219875556	0.250182222	0.240795556	0.229924444
78	3/17/2022	0.23096	0.231448889	0.25268	0.233173333	0.241288889	0.230831111	0.228053333	0.228991111
79	3/18/2022	0.24612	0.239955556	0.22844	0.234706667	0.210875556	0.215648889	0.213537778	0.204662222
80	3/19/2022	0.219888889	0.221493333	0.224973333	0.208137778	0.202235556	0.206511111	0.2096	0.196333333
81	3/20/2022	0.349448889	0.322288889	0.303666667	0.3034	0.301293333	0.31808	0.298377778	0.29936
82	3/21/2022	0.269484444	0.277866667	0.255306667	0.25228	0.253635556	0.245506667	0.278511111	0.267591111
83	3/22/2022	0.240626667	0.239675556	0.233071111	0.222386667	0.228471111	0.227115556	0.217297778	0.2256
84	3/23/2022	0.24024	0.230497778	0.229115556	0.219791111	0.235213333	0.225373333	0.225097778	0.221151111
85	3/24/2022	0.275102222	0.287351111	0.273551111	0.260097778	0.255093333	0.284515556	0.264235556	0.25712
86	3/25/2022	0.295342222	0.314364444	0.305342222	0.313262222	0.307662222	0.324813333	0.314417778	0.322248889
87	3/26/2022	0.314164444	0.331093333	0.33064	0.335448889	0.331026667	0.343315556	0.345577778	0.377897778
88	3/27/2022	0.420964444	0.410955556	0.382533333	0.39392	0.410106667	0.421777778	0.398071111	0.386253333
89	3/28/2022	0.365724444	0.370226667	0.351493333	0.368604444	0.366933333	0.377288889	0.376706667	0.411324444
90	3/29/2022	0.36396	0.338497778	0.344542222	0.354422222	0.350288889	0.359968889	0.355293333	0.381902222
91	3/30/2022	0.335475556	0.337075556	0.315546667	0.357008889	0.327866667	0.327235556	0.341573333	0.317466667
92	3/31/2022	0.235266667	0.233866667	0.225106667	0.214933333	0.223373333	0.21464	0.210995556	0.216875556
93	4/1/2022	0.29592	0.323075556	0.333017778	0.327066667	0.321488889	0.309275556	0.325835556	0.30608
94	4/2/2022	0.36724	0.340755556	0.33516	0.34108	0.349591111	0.358302222	0.340515556	0.348408889
95	4/3/2022	0.343426667	0.307035556	0.312026667	0.296031111	0.307315556	0.303457778	0.318866667	0.319822222
96	4/4/2022	0.257595556	0.283924444	0.272373333	0.27392	0.292093333	0.261497778	0.278697778	0.276751111
97	4/5/2022	0.308807175	0.308511211	0.316112108	0.320331839	0.288	0.297665179	0.285709821	0.268107143

	B	T	U	V	W	X	Y	Z	AA
2	measurement date	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545
66	3/5/2022	0.314564444	0.313622222	0.334288889	0.301515556	0.306973333	0.321057778	0.336942222	0.306586667
67	3/6/2022	0.215035556	0.205724444	0.213062222	0.211595556	0.204537778	0.195115556	0.196826667	0.20444
68	3/7/2022	0.199595556	0.209288889	0.211195556	0.205995556	0.221373333	0.225586667	0.240506667	0.247671111
69	3/8/2022	0.337426667	0.336253333	0.337271111	0.356644444	0.358217778	0.356906667	0.368857778	0.403813333
70	3/9/2022	0.347644444	0.351244444	0.375386667	0.371831111	0.351524444	0.407662222	0.41292	0.409626667
71	3/10/2022	0.345662222	0.367702222	0.394724444	0.372444444	0.379217778	0.389466667	0.378191111	0.426106667
72	3/11/2022	0.353026667	0.335426667	0.339382222	0.350386667	0.374071111	0.371608889	0.382088889	0.427057778
73	3/12/2022	0.414924444	0.416862222	0.434964444	0.44512	0.451057778	0.47824	0.440831111	0.438857778
74	3/13/2022	0.495968889	0.451386667	0.440835556	0.466022222	0.496386667	0.4654	0.494626667	0.48996
75	3/14/2022	0.338564444	0.330893333	0.341777778	0.355448889	0.369808889	0.378444444	0.377573333	0.389555556
76	3/15/2022	0.265791111	0.257577778	0.271915556	0.266422222	0.276328889	0.286546667	0.293808889	0.311848889
77	3/16/2022	0.245373333	0.259075556	0.253635556	0.24644	0.258231111	0.292737778	0.297897778	0.319617778
78	3/17/2022	0.227528889	0.234924444	0.230502222	0.226831111	0.232657778	0.238542222	0.250222222	0.284253333
79	3/18/2022	0.193168889	0.202302222	0.207871111	0.202017778	0.219271111	0.220608889	0.21448	0.220133333
80	3/19/2022	0.190284444	0.21636	0.201902222	0.206253333	0.214004444	0.206404444	0.216426667	0.201208889
81	3/20/2022	0.295853333	0.307048889	0.29948	0.28108	0.299146667	0.307257778	0.305293333	0.307875556
82	3/21/2022	0.270413333	0.280586667	0.275564444	0.262831111	0.274515556	0.293991111	0.32088	0.329115556
83	3/22/2022	0.212128889	0.217675556	0.219235556	0.214751111	0.232582222	0.236102222	0.230271111	0.259337778
84	3/23/2022	0.225928889	0.226968889	0.200044444	0.215604444	0.226008889	0.234795556	0.23008	0.251986667
85	3/24/2022	0.250688889	0.28776	0.273866667	0.252395556	0.270435556	0.274266667	0.300644444	0.32176
86	3/25/2022	0.301755556	0.287115556	0.304617778	0.318328889	0.3346	0.331897778	0.351306667	0.357111111
87	3/26/2022	0.360306667	0.341608889	0.363146667	0.347213333	0.370426667	0.354946667	0.365315556	0.333128889
88	3/27/2022	0.385128889	0.378244444	0.364013333	0.395311111	0.410017778	0.406333333	0.39904	0.38692
89	3/28/2022	0.388577778	0.388897778	0.392813333	0.399964444	0.380471111	0.372875556	0.423702222	0.423266667
90	3/29/2022	0.342413333	0.354177778	0.375862222	0.368573333	0.357844444	0.385933333	0.393515556	0.413231111
91	3/30/2022	0.313986667	0.334426667	0.334533333	0.327706667	0.340542222	0.349546667	0.379124444	0.381893333
92	3/31/2022	0.209964444	0.200524444	0.203902222	0.197662222	0.218022222	0.219337778	0.21888	0.237902222
93	4/1/2022	0.332831111	0.340933333	0.3408	0.320871111	0.316715556	0.348173333	0.347386667	0.375773333
94	4/2/2022	0.362288889	0.349026667	0.34688	0.361328889	0.357853333	0.376484444	0.38448	0.375146667
95	4/3/2022	0.317906667	0.335128889	0.305075556	0.317564444	0.304777778	0.322782222	0.340964444	0.353746667
96	4/4/2022	0.252497778	0.266226667	0.269497778	0.294884444	0.280022222	0.297493333	0.325035556	0.354093333
97	4/5/2022	0.279888393	0.278915179	0.302888393	0.292973214	0.301071429	0.290665179	0.318160714	0.322089286

	B	AB	AC	AD	AE	AF	AG	AH	AI
2	measurement date	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730	D_0745
66	3/5/2022	0.3218	0.346422222	0.361991111	0.375062222	0.365737778	0.398617778	0.375235556	0.371608889
67	3/6/2022	0.207795556	0.208786667	0.230595556	0.22472	0.239355556	0.25984	0.275071111	0.286271111
68	3/7/2022	0.241324444	0.255377778	0.27492	0.283186667	0.318568889	0.341142222	0.336968889	0.340711111
69	3/8/2022	0.438044444	0.47572	0.447382222	0.436382222	0.450986667	0.443626667	0.423502222	0.446991111
70	3/9/2022	0.42572	0.452968889	0.495488889	0.477124444	0.487764444	0.501813333	0.456768889	0.43732
71	3/10/2022	0.458133333	0.502306667	0.50532	0.487186667	0.501426667	0.493564444	0.398817778	0.350568889
72	3/11/2022	0.444728889	0.482773333	0.487662222	0.492488889	0.487568889	0.473657778	0.384853333	0.344617778
73	3/12/2022	0.439226667	0.45232	0.476515556	0.471111111	0.488088889	0.501328889	0.517986667	0.523408889
74	3/13/2022	0.480208889	0.45288	0.460911111	0.498737778	0.49188	0.454026667	0.478551111	0.533284444
75	3/14/2022	0.407057778	0.477951111	0.502817778	0.471382222	0.48372	0.488208889	0.46352	0.45616
76	3/15/2022	0.34472	0.371497778	0.379115556	0.388977778	0.399115556	0.392546667	0.393755556	0.39896
77	3/16/2022	0.343568889	0.372488889	0.373942222	0.377448889	0.386853333	0.422328889	0.397142222	0.389751111
78	3/17/2022	0.287191111	0.346444444	0.356124444	0.327631111	0.350097778	0.366315556	0.396368889	0.376208889
79	3/18/2022	0.231195556	0.275151111	0.288991111	0.261444444	0.292857778	0.336915556	0.329422222	0.333008889
80	3/19/2022	0.2088	0.212875556	0.237306667	0.215866667	0.218262222	0.26672	0.264306667	0.291671111
81	3/20/2022	0.29432	0.326857778	0.326444444	0.340782222	0.351075556	0.35856	0.368008889	0.377391111
82	3/21/2022	0.324804444	0.33952	0.36724	0.356617778	0.385177778	0.424791111	0.422395556	0.444844444
83	3/22/2022	0.271871111	0.301137778	0.334288889	0.315488889	0.321924444	0.310986667	0.321942222	0.334235556
84	3/23/2022	0.253253333	0.286937778	0.300608889	0.304688889	0.326177778	0.316151111	0.347715556	0.349155556
85	3/24/2022	0.325231111	0.373	0.370648889	0.341297778	0.373977778	0.389151111	0.386177778	0.371222222
86	3/25/2022	0.359004444	0.396555556	0.406977778	0.379853333	0.413377778	0.438057778	0.402217778	0.42896
87	3/26/2022	0.374857778	0.350804444	0.355466667	0.352977778	0.375613333	0.40024	0.438991111	0.421586667
88	3/27/2022	0.387484444	0.4014	0.409684444	0.432311111	0.404182222	0.409742222	0.391506667	0.450235556
89	3/28/2022	0.433137778	0.48676	0.48236	0.519551111	0.576128889	0.557217778	0.492955556	0.525848889
90	3/29/2022	0.427013333	0.465044444	0.467995556	0.474444444	0.485168889	0.447808889	0.468226667	0.509302222
91	3/30/2022	0.375608889	0.411137778	0.465568889	0.440697778	0.464048889	0.450897778	0.425497778	0.423591111
92	3/31/2022	0.24936	0.278591111	0.255422222	0.238248889	0.288813333	0.312906667	0.291728889	0.277573333
93	4/1/2022	0.370368889	0.42412	0.416124444	0.444253333	0.43892	0.476128889	0.449111111	0.4538
94	4/2/2022	0.341093333	0.376173333	0.386164444	0.410622222	0.395124444	0.427826667	0.402728889	0.407533333
95	4/3/2022	0.360115556	0.342448889	0.314928889	0.325782222	0.337422222	0.372857778	0.387417778	0.395311111
96	4/4/2022	0.322044444	0.344795556	0.360391111	0.352004444	0.389697778	0.390408889	0.399377778	0.405093333
97	4/5/2022	0.32803125	0.380709821	0.392138393	0.346049107	0.380924107	0.391	0.361098214	0.3620625

	B	AJ	AK	AL	AM	AN	AO	AP	AQ
2	measurement date	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945
66	3/5/2022	0.369368889	0.342302222	0.258213333	0.230688889	0.187804444	0.134222222	0.134697778	0.106746667
67	3/6/2022	0.256075556	0.258782222	0.236151111	0.216808889	0.199275556	0.175222222	0.181724444	0.151004444
68	3/7/2022	0.321408889	0.305564444	0.278342222	0.250671111	0.256066667	0.30144	0.303515556	0.269902222
69	3/8/2022	0.456088889	0.368631111	0.37792	0.343	0.333266667	0.302542222	0.327577778	0.294404444
70	3/9/2022	0.420351111	0.442435556	0.442888889	0.365577778	0.336537778	0.304075556	0.356302222	0.270186667
71	3/10/2022	0.324724444	0.342377778	0.263857778	0.187488889	0.220248889	0.204511111	0.138511111	0.085737778
72	3/11/2022	0.309835556	0.297555556	0.271955556	0.221497778	0.165964444	0.139782222	0.101902222	0.092711111
73	3/12/2022	0.517942222	0.548528889	0.553097778	0.508102222	0.50164	0.451493333	0.42188	0.436395556
74	3/13/2022	0.554622222	0.557488889	0.530106667	0.542315556	0.534413333	0.555848889	0.56368	0.60404
75	3/14/2022	0.4328	0.399795556	0.369204444	0.360493333	0.329968889	0.316031111	0.259924444	0.232128889
76	3/15/2022	0.384795556	0.408844444	0.376435556	0.329137778	0.351173333	0.312768889	0.317968889	0.277137778
77	3/16/2022	0.408204444	0.384946667	0.335635556	0.304337778	0.25424	0.207991111	0.174666667	0.138115556
78	3/17/2022	0.334595556	0.326471111	0.287542222	0.253884444	0.201195556	0.186302222	0.133057778	0.145768889
79	3/18/2022	0.317697778	0.282897778	0.252435556	0.220586667	0.193075556	0.141342222	0.122608889	0.093071111
80	3/19/2022	0.322297778	0.337142222	0.329271111	0.338337778	0.340133333	0.351764444	0.312586667	0.261582222
81	3/20/2022	0.373533333	0.337208889	0.350111111	0.315444444	0.276955556	0.221822222	0.208013333	0.17852
82	3/21/2022	0.419711111	0.406346667	0.340142222	0.305613333	0.253697778	0.217484444	0.171942222	0.117835556
83	3/22/2022	0.343608889	0.334706667	0.351284444	0.333613333	0.321755556	0.301915556	0.29132	0.256657778
84	3/23/2022	0.318933333	0.30164	0.312751111	0.276564444	0.216431111	0.194257778	0.151377778	0.088764444
85	3/24/2022	0.369653333	0.32764	0.35052	0.287106667	0.251835556	0.214777778	0.184911111	0.162444444
86	3/25/2022	0.4034	0.406902222	0.429026667	0.396773333	0.37592	0.332666667	0.297391111	0.237075556
87	3/26/2022	0.446986667	0.455257778	0.417831111	0.383048889	0.360964444	0.416413333	0.407773333	0.342688889
88	3/27/2022	0.4528	0.447391111	0.425951111	0.40528	0.38424	0.345733333	0.305608889	0.249897778
89	3/28/2022	0.485248889	0.413675556	0.363866667	0.322008889	0.277617778	0.22732	0.217551111	0.177644444
90	3/29/2022	0.506022222	0.469142222	0.414688889	0.381537778	0.369062222	0.325231111	0.303951111	0.309942222
91	3/30/2022	0.350071111	0.370853333	0.375475556	0.277128889	0.236608889	0.172764444	0.129551111	0.099128889
92	3/31/2022	0.261062222	0.269217778	0.263097778	0.250884444	0.244875556	0.234115556	0.228164444	0.22992
93	4/1/2022	0.450915556	0.398293333	0.353608889	0.370542222	0.366733333	0.303915556	0.267662222	0.203048889
94	4/2/2022	0.399244444	0.371195556	0.301724444	0.257426667	0.255271111	0.213968889	0.187973333	0.170613333
95	4/3/2022	0.397982222	0.409346667	0.33344	0.318195556	0.280671111	0.241382222	0.189608889	0.123537778
96	4/4/2022	0.392551111	0.393608889	0.377222222	0.365071111	0.325831111	0.322311111	0.275297778	0.28976
97	4/5/2022	0.357736607	0.353991071	0.372299107	0.329044643	0.317946429	0.311982143	0.3066875	0.281883929

	B	AR	AS	AT	AU	AV	AW	AX	AY
2	measurement date	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
66	3/5/2022	0.084937778	0.098502222	0.087462222	0.079786667	0.074875556	0.044004444	0.038048889	0.04888
67	3/6/2022	0.13108	0.165315556	0.159568889	0.152488889	0.138866667	0.1254	0.128786667	0.14308
68	3/7/2022	0.25392	0.239124444	0.146404444	0.170533333	0.188342222	0.16148	0.165653333	0.1928
69	3/8/2022	0.277048889	0.262448889	0.27192	0.223662222	0.181613333	0.202742222	0.19464	0.177257778
70	3/9/2022	0.182528889	0.1692	0.176991111	0.184857778	0.165208889	0.152048889	0.158097778	0.196942222
71	3/10/2022	0.072386667	0.078306667	0.061408889	0.051471111	0.05388	0.043035556	0.050382222	0.0444
72	3/11/2022	0.071395556	0.064124444	0.065031111	0.043373333	0.042364444	0.041062222	0.050951111	0.034666667
73	3/12/2022	0.434182222	0.404897778	0.446124444	0.364657778	0.380355556	0.399893333	0.391213333	0.380897778
74	3/13/2022	0.5146	0.50348	0.412533333	0.257653333	0.164702222	0.14448	0.14972	0.148831111
75	3/14/2022	0.180368889	0.1354	0.085688889	0.080586667	0.078791111	0.073653333	0.058782222	0.054217778
76	3/15/2022	0.261813333	0.230053333	0.179386667	0.147248889	0.140502222	0.078715556	0.059093333	0.110253333
77	3/16/2022	0.123191111	0.091377778	0.070973333	0.09584	0.074724444	0.096102222	0.07816	0.07132
78	3/17/2022	0.140377778	0.102155556	0.071804444	0.059564444	0.040151111	0.0326	0.034177778	0.029115556
79	3/18/2022	0.133128889	0.121542222	0.092777778	0.101488889	0.114017778	0.128262222	0.093364444	0.079497778
80	3/19/2022	0.23368	0.229533333	0.159964444	0.1462	0.161173333	0.195511111	0.163453333	0.185004444
81	3/20/2022	0.138768889	0.119408889	0.113973333	0.090306667	0.065653333	0.061226667	0.057088889	0.046733333
82	3/21/2022	0.088395556	0.084755556	0.076964444	0.074795556	0.053431111	0.052008889	0.056266667	0.050271111
83	3/22/2022	0.229013333	0.215937778	0.251813333	0.21036	0.20124	0.219288889	0.204835556	0.178773333
84	3/23/2022	0.14188	0.146484444	0.097764444	0.110257778	0.131911111	0.127084444	0.119746667	0.146368889
85	3/24/2022	0.120364444	0.095728889	0.098764444	0.064973333	0.068484444	0.064924444	0.04724	0.041377778
86	3/25/2022	0.190231111	0.150911111	0.148831111	0.167702222	0.207817778	0.251426667	0.269368889	0.266386667
87	3/26/2022	0.336182222	0.266004444	0.267128889	0.308342222	0.290377778	0.286057778	0.318168889	0.344933333
88	3/27/2022	0.222751111	0.196724444	0.183982222	0.163653333	0.18408	0.154053333	0.112942222	0.112671111
89	3/28/2022	0.171582222	0.1436	0.126724444	0.094746667	0.091666667	0.057151111	0.062124444	0.055564444
90	3/29/2022	0.279777778	0.2686	0.279617778	0.239537778	0.259048889	0.234484444	0.190697778	0.190742222
91	3/30/2022	0.085128889	0.11188	0.096688889	0.09332	0.08744	0.058844444	0.060302222	0.074457778
92	3/31/2022	0.209697778	0.214773333	0.191408889	0.197435556	0.171893333	0.159471111	0.160848889	0.172226667
93	4/1/2022	0.16604	0.141773333	0.181728889	0.192568889	0.176897778	0.143408889	0.115484444	0.124711111
94	4/2/2022	0.119226667	0.102773333	0.079448889	0.09904	0.12476	0.080213333	0.082284444	0.07216
95	4/3/2022	0.104062222	0.091142222	0.090226667	0.095937778	0.080293333	0.087777778	0.070631111	0.056417778
96	4/4/2022	0.283253333	0.29896	0.336306667	0.272595556	0.264942222	0.274048889	0.232582222	0.185075556
97	4/5/2022	0.2791875	0.231964286	0.227959821	0.23396875	0.252075893	0.262084821	0.251830357	0.254861607

	B	AZ	BA	BB	BC	BD	BE	BF	BG
2	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345
66	3/5/2022	0.036786667	0.05288	0.042577778	0.04156	0.045764444	0.043404444	0.05028	0.037115556
67	3/6/2022	0.116195556	0.113613333	0.119462222	0.170982222	0.186373333	0.177013333	0.19904	0.160826667
68	3/7/2022	0.218066667	0.232782222	0.221573333	0.226648889	0.219724444	0.198111111	0.152244444	0.139582222
69	3/8/2022	0.157893333	0.13184	0.148648889	0.1128	0.097857778	0.109933333	0.116875556	0.096533333
70	3/9/2022	0.156831111	0.160422222	0.121764444	0.087808889	0.084342222	0.089168889	0.080893333	0.072782222
71	3/10/2022	0.0476	0.036328889	0.038662222	0.050342222	0.055848889	0.054102222	0.03872	0.033853333
72	3/11/2022	0.043573333	0.060875556	0.049413333	0.043937778	0.05796	0.060231111	0.065546667	0.081182222
73	3/12/2022	0.367395556	0.386608889	0.351653333	0.371173333	0.33728	0.305271111	0.248595556	0.298373333
74	3/13/2022	0.109884444	0.076928889	0.069262222	0.111146667	0.112075556	0.116657778	0.086426667	0.068942222
75	3/14/2022	0.053017778	0.043288889	0.045533333	0.04808	0.034906667	0.027035556	0.037884444	0.02768
76	3/15/2022	0.099622222	0.051791111	0.050915556	0.042324444	0.035133333	0.034822222	0.033155556	0.031955556
77	3/16/2022	0.049102222	0.044893333	0.051364444	0.041808889	0.04896	0.064355556	0.050155556	0.051688889
78	3/17/2022	0.027075556	0.030026667	0.019933333	0.027866667	0.025315556	0.024368889	0.021444444	0.03432
79	3/18/2022	0.086542222	0.072106667	0.08096	0.103808889	0.108311111	0.091737778	0.102871111	0.128133333
80	3/19/2022	0.147013333	0.136155556	0.212342222	0.230444444	0.190928889	0.219693333	0.193835556	0.194817778
81	3/20/2022	0.059564444	0.060368889	0.04612	0.05196	0.04732	0.044253333	0.042231111	0.042071111
82	3/21/2022	0.049075556	0.035533333	0.0286	0.033128889	0.036853333	0.045302222	0.044817778	0.035275556
83	3/22/2022	0.143666667	0.158342222	0.168786667	0.161751111	0.130351111	0.124755556	0.089675556	0.101293333
84	3/23/2022	0.117857778	0.07452	0.061	0.082991111	0.073155556	0.056306667	0.05944	0.081177778
85	3/24/2022	0.035333333	0.031542222	0.027568889	0.037435556	0.045724444	0.045382222	0.049382222	0.054311111
86	3/25/2022	0.235404444	0.229084444	0.226973333	0.1982	0.192724444	0.191577778	0.188942222	0.169155556
87	3/26/2022	0.313053333	0.327404444	0.315684444	0.357168889	0.34716	0.348373333	0.282213333	0.320706667
88	3/27/2022	0.116977778	0.100511111	0.113675556	0.101164444	0.083413333	0.09888	0.090497778	0.071031111
89	3/28/2022	0.048342222	0.0488	0.048666667	0.04856	0.042911111	0.048244444	0.047177778	0.050942222
90	3/29/2022	0.173644444	0.172435556	0.144062222	0.107431111	0.084071111	0.107013333	0.125764444	0.114684444
91	3/30/2022	0.069004444	0.057995556	0.063853333	0.034533333	0.039724444	0.040306667	0.026711111	0.029888889
92	3/31/2022	0.189586667	0.190591111	0.193186667	0.151275556	0.13576	0.134524444	0.136417778	0.141315556
93	4/1/2022	0.156311111	0.128666667	0.144653333	0.159528889	0.123648889	0.127088889	0.127902222	0.124853333
94	4/2/2022	0.068306667	0.07916	0.085897778	0.085084444	0.105408889	0.095662222	0.073728889	0.082462222
95	4/3/2022	0.067693333	0.071244444	0.077484444	0.065053333	0.061435556	0.083071111	0.074253333	0.077
96	4/4/2022	0.140431111	0.16108	0.156693333	0.169128889	0.182475556	0.169377778	0.131044444	0.125648889
97	4/5/2022	0.249334821	0.194248889	0.180324444	0.204475556	0.20936	0.22004	0.202742222	0.225551111

	B	BH	BI	BJ	BK	BL	BM	BN	BO
2	measurement date	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545
66	3/5/2022	0.034266667	0.035195556	0.036977778	0.052204444	0.055035556	0.056626667	0.063186667	0.059688889
67	3/6/2022	0.187328889	0.179231111	0.161688889	0.117911111	0.123266667	0.149235556	0.154128889	0.138586667
68	3/7/2022	0.160986667	0.20272	0.211702222	0.250688889	0.219791111	0.253822222	0.28932	0.24792
69	3/8/2022	0.098191111	0.100595556	0.08548	0.083871111	0.07308	0.103813333	0.105431111	0.115644444
70	3/9/2022	0.075924444	0.067035556	0.07204	0.077244444	0.089417778	0.102866667	0.096737778	0.10056
71	3/10/2022	0.034613333	0.030866667	0.047231111	0.051106667	0.064617778	0.060622222	0.065373333	0.06592
72	3/11/2022	0.101151111	0.116893333	0.093662222	0.08124	0.107604444	0.117764444	0.112302222	0.154404444
73	3/12/2022	0.304791111	0.254413333	0.244177778	0.304386667	0.227133333	0.225648889	0.218711111	0.209031111
74	3/13/2022	0.116191111	0.157933333	0.123871111	0.082195556	0.062084444	0.057204444	0.078471111	0.077502222
75	3/14/2022	0.032097778	0.028022222	0.029	0.038546667	0.027235556	0.038062222	0.031737778	0.044048889
76	3/15/2022	0.034462222	0.035968889	0.030137778	0.030155556	0.037862222	0.061226667	0.048386667	0.050151111
77	3/16/2022	0.040155556	0.038288889	0.031013333	0.038004444	0.035217778	0.043724444	0.0562	0.051915556
78	3/17/2022	0.020675556	0.022644444	0.034586667	0.033186667	0.030702222	0.045142222	0.042208889	0.055782222
79	3/18/2022	0.145813333	0.144364444	0.131066667	0.16132	0.170746667	0.157222222	0.151395556	0.175831111
80	3/19/2022	0.240795556	0.282204444	0.286248889	0.266004444	0.272684444	0.262066667	0.282897778	0.282208889
81	3/20/2022	0.046697778	0.042808889	0.043631111	0.060057778	0.050093333	0.059808889	0.055191111	0.058937778
82	3/21/2022	0.03368	0.035204444	0.031448889	0.030782222	0.023093333	0.015724444	0.029511111	0.03904
83	3/22/2022	0.102751111	0.102191111	0.107991111	0.133084444	0.160791111	0.15572	0.110457778	0.115355556
84	3/23/2022	0.079111111	0.098431111	0.12776	0.135515556	0.054191111	0.046053333	0.053115556	0.051257778
85	3/24/2022	0.040364444	0.048711111	0.062097778	0.075422222	0.085693333	0.071857778	0.069791111	0.091084444
86	3/25/2022	0.16572	0.192222222	0.192853333	0.173986667	0.195604444	0.25124	0.274537778	0.286391111
87	3/26/2022	0.293071111	0.329928889	0.308164444	0.33164	0.35492	0.28672	0.250266667	0.239368889
88	3/27/2022	0.071173333	0.085666667	0.080271111	0.073417778	0.064831111	0.087693333	0.070271111	0.07488
89	3/28/2022	0.034146667	0.037222222	0.030457778	0.031888889	0.026168889	0.045004444	0.043831111	0.047275556
90	3/29/2022	0.109804444	0.073204444	0.086866667	0.104382222	0.13672	0.203551111	0.23064	0.28088
91	3/30/2022	0.035057778	0.052524444	0.03412	0.038088889	0.042515556	0.067604444	0.062764444	0.056786667
92	3/31/2022	0.136231111	0.137084444	0.16428	0.175466667	0.183915556	0.214044444	0.248711111	0.275408889
93	4/1/2022	0.093528889	0.093413333	0.106066667	0.111053333	0.110275556	0.118791111	0.116328889	0.132311111
94	4/2/2022	0.103551111	0.108968889	0.117613333	0.103031111	0.076644444	0.105613333	0.141702222	0.143084444
95	4/3/2022	0.074275556	0.072857778	0.059746667	0.046097778	0.048262222	0.062684444	0.075377778	0.060022222
96	4/4/2022	0.120857778	0.140973333	0.168164444	0.167568889	0.154226667	0.15012	0.146822222	0.119315556
97	4/5/2022	0.183026667	0.145799107	0.1880625	0.166727679	0.156602679	0.180580357	0.205147321	0.232459821

	B	BP	BQ	BR	BS	BT	BU	BV	BW
2	measurement date	D_1600	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745
66	3/5/2022	0.072422222	0.114048889	0.156808889	0.15336	0.167631111	0.195337778	0.188671111	0.222813333
67	3/6/2022	0.179493333	0.22852	0.228173333	0.231835556	0.18548	0.204275556	0.274097778	0.330924444
68	3/7/2022	0.221391111	0.248684444	0.287591111	0.296684444	0.300733333	0.278222222	0.317235556	0.390702222
69	3/8/2022	0.145364444	0.142573333	0.198995556	0.231346667	0.240546667	0.284484444	0.33216	0.377715556
70	3/9/2022	0.120311111	0.122386667	0.13328	0.145413333	0.162684444	0.193706667	0.225257778	0.224026667
71	3/10/2022	0.077017778	0.078004444	0.094191111	0.107186667	0.143177778	0.197524444	0.221208889	0.241644444
72	3/11/2022	0.202604444	0.274613333	0.315991111	0.321071111	0.353635556	0.39412	0.41576	0.437324444
73	3/12/2022	0.24716	0.233462222	0.272702222	0.232986667	0.254724444	0.255142222	0.326786667	0.367528889
74	3/13/2022	0.100315556	0.093075556	0.101568889	0.104893333	0.109266667	0.131573333	0.168591111	0.187057778
75	3/14/2022	0.047515556	0.053062222	0.040573333	0.051995556	0.062791111	0.077755556	0.093951111	0.13012
76	3/15/2022	0.044035556	0.060733333	0.081173333	0.110466667	0.12036	0.1128	0.130702222	0.158275556
77	3/16/2022	0.043533333	0.050648889	0.067502222	0.086666667	0.083462222	0.102582222	0.1074	0.09576
78	3/17/2022	0.046933333	0.044848889	0.071591111	0.068035556	0.068435556	0.091262222	0.10212	0.119346667
79	3/18/2022	0.166871111	0.211431111	0.248906667	0.248906667	0.216555556	0.160128889	0.189293333	0.226488889
80	3/19/2022	0.272133333	0.290373333	0.285426667	0.308688889	0.356048889	0.356955556	0.374186667	0.377755556
81	3/20/2022	0.063226667	0.06052	0.060062222	0.073475556	0.095342222	0.0992	0.113888889	0.139862222
82	3/21/2022	0.048426667	0.048675556	0.04596	0.062493333	0.067968889	0.085351111	0.093017778	0.118342222
83	3/22/2022	0.165622222	0.165826667	0.223462222	0.24408	0.26884	0.2474	0.264324444	0.301115556
84	3/23/2022	0.056217778	0.06004	0.066031111	0.068351111	0.090697778	0.109644444	0.112235556	0.101462222
85	3/24/2022	0.099933333	0.107786667	0.154133333	0.170822222	0.238533333	0.273493333	0.241626667	0.225888889
86	3/25/2022	0.268702222	0.307413333	0.33608	0.365462222	0.291257778	0.306884444	0.318728889	0.290671111
87	3/26/2022	0.266924444	0.282586667	0.344364444	0.42032	0.405831111	0.406546667	0.358902222	0.308946667
88	3/27/2022	0.090097778	0.076906667	0.076764444	0.082213333	0.089337778	0.120653333	0.144724444	0.155093333
89	3/28/2022	0.057826667	0.0748	0.074368889	0.066817778	0.07492	0.108457778	0.162088889	0.176733333
90	3/29/2022	0.317115556	0.325604444	0.341831111	0.371617778	0.372044444	0.387151111	0.428888889	0.45488
91	3/30/2022	0.073626667	0.117875556	0.114635556	0.120404444	0.151551111	0.153631111	0.100697778	0.125071111
92	3/31/2022	0.249057778	0.265977778	0.275497778	0.277791111	0.295035556	0.322933333	0.37572	0.419955556
93	4/1/2022	0.117795556	0.106008889	0.133413333	0.164395556	0.148568889	0.148151111	0.147662222	0.163315556
94	4/2/2022	0.143097778	0.152662222	0.221106667	0.243764444	0.254666667	0.275386667	0.28064	0.275991111
95	4/3/2022	0.064057778	0.087884444	0.097666667	0.08188	0.091875556	0.097164444	0.099053333	0.115466667
96	4/4/2022	0.095946667	0.082297778	0.07628	0.088004444	0.104955556	0.107226667	0.108853333	0.130986667
97	4/5/2022	0.272214286	0.261053571	0.2321875	0.218736607	0.20459375	0.24103125	0.305392857	0.341946429

	B	BX	BY	BZ	CA	CB	CC	CD	CE
2	measurement date	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945
66	3/5/2022	0.284373333	0.31	0.325191111	0.360862222	0.366986667	0.356475556	0.362075556	0.378248889
67	3/6/2022	0.350724444	0.372551111	0.390097778	0.404053333	0.449591111	0.446511111	0.440977778	0.424177778
68	3/7/2022	0.439724444	0.450017778	0.499764444	0.503524444	0.472902222	0.4918	0.457946667	0.451924444
69	3/8/2022	0.408902222	0.464648889	0.52252	0.524573333	0.514244444	0.520915556	0.538368889	0.555577778
70	3/9/2022	0.264102222	0.318448889	0.351177778	0.397675556	0.410226667	0.4332	0.46908	0.470177778
71	3/10/2022	0.266124444	0.298462222	0.343288889	0.399924444	0.398728889	0.414875556	0.450017778	0.449324444
72	3/11/2022	0.468453333	0.473644444	0.477217778	0.509213333	0.54032	0.527306667	0.517822222	0.525035556
73	3/12/2022	0.381715556	0.4752	0.489168889	0.562373333	0.596266667	0.608271111	0.599106667	0.599
74	3/13/2022	0.200271111	0.222048889	0.257004444	0.323146667	0.349484444	0.360804444	0.431262222	0.500528889
75	3/14/2022	0.134768889	0.165306667	0.217435556	0.22644	0.255822222	0.283537778	0.364191111	0.383964444
76	3/15/2022	0.193022222	0.196128889	0.239857778	0.261311111	0.258711111	0.29772	0.345804444	0.385653333
77	3/16/2022	0.111115556	0.143275556	0.162546667	0.189946667	0.239146667	0.269617778	0.288977778	0.354884444
78	3/17/2022	0.123648889	0.142568889	0.157444444	0.178528889	0.211453333	0.281226667	0.325955556	0.354328889
79	3/18/2022	0.253973333	0.246071111	0.236173333	0.236186667	0.236528889	0.277782222	0.290973333	0.337662222
80	3/19/2022	0.38412	0.400871111	0.416462222	0.385373333	0.395991111	0.434306667	0.454511111	0.434728889
81	3/20/2022	0.136022222	0.180617778	0.205893333	0.232666667	0.259391111	0.291488889	0.375204444	0.413266667
82	3/21/2022	0.140235556	0.171928889	0.190995556	0.239444444	0.266804444	0.295835556	0.324617778	0.369831111
83	3/22/2022	0.292813333	0.257333333	0.254306667	0.244146667	0.289271111	0.318288889	0.336071111	0.368137778
84	3/23/2022	0.164164444	0.24884	0.242048889	0.287773333	0.248364444	0.315355556	0.345137778	0.328177778
85	3/24/2022	0.2258	0.244173333	0.255231111	0.264315556	0.276155556	0.330813333	0.353342222	0.395155556
86	3/25/2022	0.293208889	0.348782222	0.368542222	0.421355556	0.416697778	0.440364444	0.448008889	0.444977778
87	3/26/2022	0.259693333	0.2206	0.249906667	0.297964444	0.313671111	0.406044444	0.405124444	0.469995556
88	3/27/2022	0.177751111	0.223373333	0.253368889	0.28712	0.345675556	0.384057778	0.439657778	0.472493333
89	3/28/2022	0.181817778	0.197915556	0.2288	0.273271111	0.293208889	0.296511111	0.381951111	0.454386667
90	3/29/2022	0.486533333	0.48604	0.5036	0.497897778	0.449026667	0.458204444	0.510964444	0.513631111
91	3/30/2022	0.149715556	0.152044444	0.154582222	0.161902222	0.238208889	0.24612	0.282177778	0.293911111
92	3/31/2022	0.443288889	0.446017778	0.444911111	0.439773333	0.426906667	0.428933333	0.427413333	0.447355556
93	4/1/2022	0.190231111	0.212977778	0.226657778	0.224448889	0.241573333	0.308506667	0.31952	0.393128889
94	4/2/2022	0.303622222	0.296751111	0.238555556	0.226	0.229666667	0.29412	0.365564444	0.405968889
95	4/3/2022	0.136911111	0.173813333	0.21276	0.266217778	0.279622222	0.30764	0.313671111	0.369351111
96	4/4/2022	0.130506667	0.157453333	0.191324444	0.214288889	0.231848889	0.249088889	0.317217778	0.362382222
97	4/5/2022	0.331910714	0.373504464	0.366008929	0.332888393	0.358383929	0.367299107	0.310325893	0.311174107

	B	CF	CG	CH	CI	CJ	CK	CL	CM
2	measurement date	D_2000	D_2015	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145
66	3/5/2022	0.339942222	0.353697778	0.362764444	0.367604444	0.369315556	0.361173333	0.358422222	0.34332
67	3/6/2022	0.462724444	0.470995556	0.454368889	0.436857778	0.446795556	0.428275556	0.407422222	0.379217778
68	3/7/2022	0.486075556	0.49808	0.504124444	0.482591111	0.508902222	0.5102	0.476893333	0.470551111
69	3/8/2022	0.519053333	0.55824	0.530351111	0.517751111	0.499733333	0.494128889	0.479275556	0.467702222
70	3/9/2022	0.453471111	0.459702222	0.463586667	0.468435556	0.49612	0.485084444	0.461444444	0.450564444
71	3/10/2022	0.451982222	0.495724444	0.473408889	0.481044444	0.467968889	0.469804444	0.4632	0.45464
72	3/11/2022	0.519102222	0.523617778	0.542902222	0.529493333	0.547315556	0.523675556	0.480031111	0.483666667
73	3/12/2022	0.618502222	0.628542222	0.624457778	0.596622222	0.577697778	0.601733333	0.567351111	0.556195556
74	3/13/2022	0.550786667	0.550804444	0.529013333	0.535928889	0.544515556	0.499302222	0.511128889	0.514368889
75	3/14/2022	0.417208889	0.462844444	0.457671111	0.445053333	0.437075556	0.432791111	0.443386667	0.4384
76	3/15/2022	0.384973333	0.399937778	0.412622222	0.437857778	0.393613333	0.393764444	0.372831111	0.357466667
77	3/16/2022	0.355693333	0.350546667	0.355133333	0.345248889	0.352813333	0.353591111	0.358933333	0.387671111
78	3/17/2022	0.34828	0.37304	0.377586667	0.382675556	0.39556	0.363417778	0.327075556	0.329871111
79	3/18/2022	0.341555556	0.345204444	0.316271111	0.328604444	0.322502222	0.335377778	0.342075556	0.348924444
80	3/19/2022	0.423835556	0.402235556	0.4252	0.419684444	0.426782222	0.41124	0.401426667	0.423946667
81	3/20/2022	0.431911111	0.465724444	0.485071111	0.482253333	0.461155556	0.446146667	0.442693333	0.42228
82	3/21/2022	0.399204444	0.421266667	0.438262222	0.426648889	0.409933333	0.390622222	0.39992	0.411
83	3/22/2022	0.378626667	0.379493333	0.40132	0.399457778	0.390764444	0.410382222	0.382657778	0.383191111
84	3/23/2022	0.359244444	0.371048889	0.374382222	0.391968889	0.390702222	0.391026667	0.416502222	0.415933333
85	3/24/2022	0.432786667	0.445515556	0.448653333	0.416368889	0.416635556	0.459724444	0.412431111	0.43532
86	3/25/2022	0.476004444	0.462008889	0.4712	0.47136	0.45768	0.444048889	0.459182222	0.472297778
87	3/26/2022	0.467795556	0.493102222	0.493044444	0.549737778	0.518737778	0.56064	0.5252	0.524457778
88	3/27/2022	0.517648889	0.581022222	0.586728889	0.543933333	0.58024	0.570008889	0.573048889	0.544786667
89	3/28/2022	0.485195556	0.498582222	0.524906667	0.556697778	0.532688889	0.545831111	0.518742222	0.508488889
90	3/29/2022	0.506022222	0.581524444	0.581928889	0.541995556	0.534604444	0.500466667	0.512231111	0.529226667
91	3/30/2022	0.346591111	0.374391111	0.400204444	0.381888889	0.356444444	0.37108	0.369595556	0.367
92	3/31/2022	0.424595556	0.43736	0.46704	0.46128	0.441395556	0.440644444	0.443417778	0.434364444
93	4/1/2022	0.446631111	0.438275556	0.433591111	0.436644444	0.458	0.46076	0.409413333	0.405502222
94	4/2/2022	0.408977778	0.415951111	0.40752	0.384515556	0.401528889	0.405857778	0.44312	0.420928889
95	4/3/2022	0.414906667	0.432328889	0.439488889	0.455911111	0.458231111	0.457342222	0.439662222	0.430115556
96	4/4/2022	0.385866667	0.418351111	0.433733333	0.449951111	0.429955556	0.426248889	0.434098214	0.421897321
97	4/5/2022	0.364276786	0.382375	0.418325893	0.415401786	0.413017857	0.405450893	0.427589286	0.411459821

	B	CN	CO	CP	CQ	CR	CS	CT	CU
2	measurement date	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345
66	3/5/2022	0.343866667	0.329475556	0.334702222	0.301897778	0.291177778	0.295048889	0.299937778	0.271564444
67	3/6/2022	0.368328889	0.375435556	0.334813333	0.341648889	0.308835556	0.313164444	0.298213333	0.280493333
68	3/7/2022	0.446004444	0.439582222	0.440946667	0.389271111	0.386648889	0.397893333	0.388413333	0.37672
69	3/8/2022	0.4562	0.466062222	0.464924444	0.446555556	0.423724444	0.398551111	0.400346667	0.386884444
70	3/9/2022	0.440764444	0.442533333	0.446142222	0.43312	0.410853333	0.417368889	0.404808889	0.395342222
71	3/10/2022	0.448768889	0.455373333	0.439204444	0.436324444	0.435848889	0.395942222	0.390351111	0.38316
72	3/11/2022	0.484013333	0.473937778	0.433564444	0.44476	0.450666667	0.433377778	0.428706667	0.446088889
73	3/12/2022	0.548084444	0.559768889	0.556546667	0.540502222	0.521035556	0.511995556	0.52396	0.539533333
74	3/13/2022	0.5246	0.499768889	0.471555556	0.450271111	0.44456	0.45288	0.404644444	0.407382222
75	3/14/2022	0.439586667	0.41256	0.3814	0.352888889	0.333653333	0.339333333	0.337404444	0.308311111
76	3/15/2022	0.379133333	0.360302222	0.34716	0.331853333	0.335315556	0.289973333	0.26792	0.270986667
77	3/16/2022	0.386564444	0.376391111	0.343355556	0.336422222	0.331928889	0.342768889	0.316675556	0.288791111
78	3/17/2022	0.327293333	0.324257778	0.329711111	0.322035556	0.326591111	0.286631111	0.285444444	0.263644444
79	3/18/2022	0.341746667	0.340942222	0.32028	0.321911111	0.32076	0.306657778	0.298088889	0.28856
80	3/19/2022	0.419297778	0.394377778	0.416382222	0.392328889	0.377893333	0.383395556	0.392595556	0.395817778
81	3/20/2022	0.424955556	0.411035556	0.395306667	0.37844	0.357777778	0.329417778	0.314191111	0.290862222
82	3/21/2022	0.393048889	0.35904	0.350386667	0.337146667	0.294817778	0.277075556	0.277213333	0.2656
83	3/22/2022	0.372133333	0.367675556	0.373475556	0.33004	0.320315556	0.289022222	0.276991111	0.262191111
84	3/23/2022	0.395013333	0.387635556	0.34696	0.340222222	0.317715556	0.285711111	0.28772	0.294137778
85	3/24/2022	0.447106667	0.437666667	0.411515556	0.383795556	0.356013333	0.354831111	0.349648889	0.331417778
86	3/25/2022	0.465195556	0.42612	0.423328889	0.403937778	0.402106667	0.394693333	0.380964444	0.387275556
87	3/26/2022	0.531297778	0.518684444	0.510666667	0.469986667	0.462715556	0.449875556	0.434137778	0.42152
88	3/27/2022	0.525871111	0.499635556	0.505497778	0.499471111	0.463391111	0.438062222	0.468995556	0.434182222
89	3/28/2022	0.467324444	0.487551111	0.473493333	0.454586667	0.42216	0.397684444	0.373382222	0.39104
90	3/29/2022	0.509124444	0.511551111	0.509462222	0.460124444	0.410017778	0.427022222	0.397742222	0.404164444
91	3/30/2022	0.362031111	0.363146667	0.340631111	0.346511111	0.344613333	0.321808889	0.325675556	0.301368889
92	3/31/2022	0.430266667	0.402328889	0.41916	0.388231111	0.394582222	0.408271111	0.338746667	0.338031111
93	4/1/2022	0.407617778	0.407386667	0.413222222	0.404017778	0.383751111	0.388937778	0.38212	0.381044444
94	4/2/2022	0.442453333	0.444702222	0.424768889	0.410684444	0.385444444	0.387315556	0.363315556	0.362817778
95	4/3/2022	0.392831111	0.359306667	0.358831111	0.37288	0.351155556	0.339053333	0.318342222	0.282617778
96	4/4/2022	0.422361607	0.373075893	0.381616071	0.360973214	0.346959821	0.352227679	0.360276786	0.342897321
97	4/5/2022	0.40796875	0.40984375	0.375982143	0.38603125	0.330254464	0.327044643	0.332691964	0.340169643

	B	CV	CW	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB
2	measurement date	D_2400		1	2	3	4	5	6	7	8	9	10	11	12
66	3/5/2022	0.260022222		1.32	1.30	1.23	1.27	1.26	1.29	1.45	1.51	1.02	0.46	0.34	0.17
67	3/6/2022	0.270484444		0.98	0.93	0.86	0.85	0.83	0.80	0.90	1.08	0.91	0.64	0.62	0.51
68	3/7/2022	0.376146667		0.96	0.96	0.84	0.82	0.85	0.96	1.13	1.34	1.09	1.13	0.74	0.74
69	3/8/2022	0.376893333		1.41	1.38	1.33	1.33	1.39	1.57	1.81	1.77	1.42	1.20	0.94	0.73
70	3/9/2022	0.391302222		1.44	1.39	1.42	1.41	1.45	1.66	1.91	1.82	1.59	1.11	0.70	0.66
71	3/10/2022	0.385226667		1.47	1.43	1.47	1.44	1.51	1.65	2.00	1.57	1.01	0.50	0.25	0.19
72	3/11/2022	0.439457778		1.41	1.39	1.41	1.42	1.40	1.63	1.95	1.51	0.96	0.41	0.21	0.17
73	3/12/2022	0.48892		1.73	1.70	1.66	1.68	1.75	1.80	1.89	2.06	2.11	1.74	1.60	1.54
74	3/13/2022	0.396515556		1.86	1.89	#DIV/0!	1.99	1.85	1.93	1.90	2.02	2.16	2.24	1.34	0.55
75	3/14/2022	0.310408889		1.51	1.33	1.35	1.36	1.40	1.55	1.94	1.84	1.46	0.99	0.38	0.24
76	3/15/2022	0.265764444		1.16	1.08	1.12	1.07	1.07	1.24	1.54	1.57	1.47	1.17	0.70	0.35
77	3/16/2022	0.27108		1.13	0.97	0.94	0.97	1.02	1.25	1.51	1.62	1.28	0.64	0.33	0.29
78	3/17/2022	0.262008889		0.99	0.95	0.96	0.92	0.92	1.06	1.38	1.47	1.07	0.61	0.27	0.12
79	3/18/2022	0.254102222		1.00	0.95	0.91	0.83	0.83	0.89	1.12	1.32	0.95	0.49	0.43	0.39
80	3/19/2022	0.365035556		0.94	0.91	0.86	0.80	0.84	0.83	0.88	1.14	1.34	1.16	0.70	0.69
81	3/20/2022	0.287448889		1.44	1.37	1.23	1.21	1.19	1.21	1.35	1.48	1.28	0.75	0.39	0.22
82	3/21/2022	0.273875556		1.13	1.14	1.04	1.06	1.09	1.27	1.45	1.71	1.31	0.60	0.29	0.21
83	3/22/2022	0.260546667		1.04	0.93	0.92	0.88	0.88	1.00	1.27	1.31	1.34	1.08	0.88	0.75
84	3/23/2022	0.271564444		1.01	0.93	0.91	0.90	0.87	0.97	1.22	1.33	1.11	0.58	0.49	0.51
85	3/24/2022	0.321893333		1.08	1.09	1.08	1.06	1.08	1.22	1.46	1.52	1.22	0.68	0.33	0.19
86	3/25/2022	0.369297778		1.17	1.24	1.24	1.26	1.24	1.40	1.60	1.67	1.61	1.06	0.68	1.02
87	3/26/2022	0.395044444		1.42	1.30	1.33	1.43	1.42	1.43	1.43	1.71	1.62	1.50	1.13	1.26
88	3/27/2022	0.417911111		1.57	1.62	1.60	1.59	1.55	1.58	1.65	1.70	1.66	1.12	0.73	0.50
89	3/28/2022	0.370275556		1.54	1.42	1.46	1.55	1.56	1.65	2.06	2.06	1.38	0.79	0.46	0.22
90	3/29/2022	0.390742222		1.46	1.46	1.39	1.44	1.46	1.62	1.89	1.93	1.63	1.22	1.05	0.79
91	3/30/2022	0.290111111		1.45	1.36	1.34	1.30	1.34	1.49	1.78	1.65	1.26	0.49	0.39	0.26
92	3/31/2022	0.335457778		1.08	0.95	0.90	0.85	0.82	0.93	1.06	1.14	1.03	0.90	0.78	0.68
93	4/1/2022	0.361262222		1.33	1.26	1.30	1.27	1.32	1.44	1.72	1.83	1.49	0.94	0.69	0.54
94	4/2/2022	0.366955556		1.41	1.41	1.37	1.41	1.42	1.48	1.57	1.64	1.19	0.69	0.41	0.30
95	4/3/2022	0.280635556		1.37	1.35	1.22	1.26	1.26	1.38	1.32	1.55	1.34	0.66	0.36	0.28
96	4/4/2022	0.344013393		1.13	1.09	1.12	1.07	1.11	1.30	1.45	1.59	1.46	1.17	1.17	0.83
97	4/5/2022	0.338848214		1.23	1.26	1.23	1.13	1.18	1.26	1.50	1.47	1.37	1.18	0.95	1.02

	B	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
2	measurement date	13	14	15	16	17	18	19	20	21	22	23	24
66	3/5/2022	0.18	0.17	0.18	0.25	0.59	0.89	1.36	1.44	1.45	1.41	1.26	1.13
67	3/6/2022	0.59	0.72	0.58	0.62	0.87	1.16	1.62	1.77	1.81	1.58	1.36	1.16
68	3/7/2022	0.90	0.65	0.88	1.01	1.13	1.43	1.93	1.89	1.99	1.90	1.66	1.54
69	3/8/2022	0.49	0.42	0.34	0.47	0.81	1.40	2.03	2.13	2.11	1.90	1.80	1.56
70	3/9/2022	0.45	0.32	0.31	0.42	0.56	0.91	1.48	1.83	1.89	1.84	1.73	1.61
71	3/10/2022	0.18	0.16	0.19	0.27	0.42	0.93	1.44	1.77	1.92	1.84	1.77	1.55
72	3/11/2022	0.21	0.31	0.40	0.59	1.27	1.72	2.00	2.09	2.14	1.97	1.80	1.75
73	3/12/2022	1.45	1.16	1.03	0.90	0.99	1.33	2.12	2.42	2.43	2.27	2.18	2.06
74	3/13/2022	0.37	0.39	0.43	0.31	0.41	0.69	1.15	1.84	2.16	2.05	1.87	1.66
75	3/14/2022	0.17	0.12	0.12	0.16	0.21	0.44	0.87	1.45	1.80	1.75	1.48	1.30
76	3/15/2022	0.18	0.13	0.13	0.20	0.37	0.59	0.96	1.41	1.64	1.50	1.37	1.09
77	3/16/2022	0.19	0.21	0.14	0.20	0.29	0.42	0.73	1.27	1.40	1.49	1.39	1.22
78	3/17/2022	0.10	0.10	0.12	0.19	0.25	0.44	0.69	1.31	1.53	1.35	1.30	1.10
79	3/18/2022	0.37	0.47	0.61	0.65	0.93	0.83	0.95	1.25	1.31	1.37	1.30	1.15
80	3/19/2022	0.77	0.85	1.11	1.10	1.24	1.49	1.60	1.75	1.67	1.66	1.58	1.54
81	3/20/2022	0.21	0.18	0.20	0.24	0.29	0.49	0.88	1.51	1.89	1.74	1.54	1.22
82	3/21/2022	0.13	0.16	0.12	0.13	0.23	0.44	0.87	1.39	1.70	1.59	1.34	1.09
83	3/22/2022	0.62	0.42	0.50	0.55	0.90	1.11	1.05	1.40	1.57	1.55	1.39	1.09
84	3/23/2022	0.29	0.28	0.42	0.21	0.29	0.49	1.03	1.35	1.53	1.62	1.39	1.14
85	3/24/2022	0.14	0.19	0.27	0.33	0.67	0.97	1.04	1.51	1.73	1.75	1.59	1.36
86	3/25/2022	0.85	0.72	0.75	1.08	1.30	1.21	1.56	1.81	1.86	1.84	1.66	1.53
87	3/26/2022	1.35	1.24	1.32	1.04	1.45	1.33	1.08	1.75	2.05	2.14	1.96	1.70
88	3/27/2022	0.40	0.33	0.30	0.32	0.33	0.60	1.11	1.81	2.29	2.21	1.97	1.76
89	3/28/2022	0.19	0.18	0.13	0.19	0.29	0.63	0.99	1.62	2.11	2.04	1.84	1.53
90	3/29/2022	0.51	0.46	0.40	1.03	1.41	1.76	1.94	1.99	2.24	2.05	1.89	1.62
91	3/30/2022	0.20	0.13	0.17	0.26	0.50	0.53	0.71	1.17	1.51	1.47	1.39	1.24
92	3/31/2022	0.67	0.55	0.66	0.99	1.11	1.56	1.76	1.73	1.81	1.75	1.60	1.42
93	4/1/2022	0.56	0.47	0.42	0.49	0.55	0.65	0.91	1.47	1.77	1.68	1.61	1.51
94	4/2/2022	0.36	0.36	0.41	0.53	0.87	1.14	0.99	1.47	1.61	1.71	1.67	1.48
95	4/3/2022	0.28	0.31	0.23	0.26	0.36	0.45	0.93	1.41	1.79	1.72	1.44	1.22
96	4/4/2022	0.67	0.55	0.63	0.51	0.35	0.48	0.79	1.31	1.73	1.70	1.46	1.40
97	4/5/2022	0.79	0.83	0.66	0.89	0.92	1.22	1.43	1.35	1.63	1.65	1.50	1.34

	B	C	D	E	F	G	H	I	J	K
2	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145
98	4/6/2022	4	3	0.300488889	0.288222222	0.307577778	0.29796	0.287875556	0.31184	0.322888889
99	4/7/2022	4	4	0.324391111	0.290715556	0.290622222	0.303382222	0.274711111	0.266235556	0.26548
100	4/8/2022	4	5	0.355826667	0.334017778	0.34076	0.340071111	0.356022222	0.315986667	0.322364444
101	4/9/2022	4	6	0.346306667	0.377862222	0.346884444	0.353151111	0.341368889	0.339746667	0.331226667
102	4/10/2022	4	7	0.372653333	0.357591111	0.383288889	0.375377778	0.38188	0.344991111	0.324817778
103	4/11/2022	4	1	0.288253333	0.284626667	0.278173333	0.260853333	0.267862222	0.26176	0.257097778
104	4/12/2022	4	2	0.263711111	0.250391111	0.246795556	0.223355556	0.237404444	0.230053333	0.248422222
105	4/13/2022	4	3	0.268457778	0.245653333	0.22924	0.233968889	0.22648	0.224004444	0.218591111
106	4/14/2022	4	4	0.268631111	0.262475556	0.253324444	0.260791111	0.254395556	0.235813333	0.245088889
107	4/15/2022	4	5	0.273324444	0.259097778	0.258191111	0.254964444	0.237253333	0.246764444	0.24992
108	4/16/2022	4	6	0.281151111	0.264626667	0.26452	0.259764444	0.247395556	0.245373333	0.24244
109	4/17/2022	4	7	0.297497778	0.273915556	0.279702222	0.286653333	0.287311111	0.284835556	0.299546667
110	4/18/2022	4	1	0.285413333	0.302746667	0.29276	0.300764444	0.297991111	0.29952	0.283586667
111	4/19/2022	4	2	0.385502222	0.3696	0.372248889	0.360848889	0.370111111	0.346662222	0.324546667
112	4/20/2022	4	3	0.323804444	0.329764444	0.325386667	0.359844444	0.324373333	0.313413333	0.2948
113	4/21/2022	4	4	0.286782222	0.259262222	0.247844444	0.234	0.230991111	0.226302222	0.227084444
114	4/22/2022	4	5	0.261164444	0.254017778	0.242671111	0.237404444	0.233337778	0.239902222	0.247222222
115	4/23/2022	4	6	0.282097778	0.281493333	0.281128889	0.265937778	0.257177778	0.248897778	0.238546667
116	4/24/2022	4	7	0.331084444	0.297666667	0.282213333	0.268062222	0.254013333	0.269115556	0.267693333
117	4/25/2022	4	1	0.344573333	0.331346667	0.313942222	0.302226667	0.29452	0.290622222	0.292684444
118	4/26/2022	4	2	0.261444444	0.249937778	0.253364444	0.254217778	0.248044444	0.232115556	0.236471111
119	4/27/2022	4	3	0.261926471	0.258504902	0.257931373	0.260324444	0.262351111	0.245048889	0.241053333
120	4/28/2022	4	4	0.254244444	0.240066667	0.238653333	0.232662222	0.240297778	0.242844444	0.254484444
121	4/29/2022	4	5	0.254653333	0.25272	0.234524444	0.226293333	0.231542222	0.222888889	0.213222222
122	4/30/2022	4	6	0.254986667	0.259111111	0.266142222	0.247102222	0.228964444	0.226133333	0.221688889
123	5/1/2022	5	7	0.286484444	0.275377778	0.276524444	0.256275556	0.254751111	0.254351111	0.251342222
124	5/2/2022	5	1	0.272097778	0.276942222	0.273884444	0.26056	0.255124444	0.2454	0.259915556
125	5/3/2022	5	2	0.278555556	0.271986667	0.263653333	0.253177778	0.238391111	0.215857778	0.217702222
126	5/4/2022	5	3	0.29	0.271333333	0.263297778	0.249333333	0.246555556	0.244902222	0.247284444
127	5/5/2022	5	4	0.288528889	0.267013333	0.263853333	0.254208889	0.247764444	0.235075556	0.247866667
128	5/6/2022	5	5	0.268293333	0.258715556	0.252764444	0.25404	0.24288	0.234213333	0.231097778
129	5/7/2022	5	6	0.31192	0.276582222	0.275022222	0.285702222	0.276497778	0.256026667	0.261653333

	B	L	M	N	O	P	Q	R	S
2	measurement date	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330	D_0345
98	4/6/2022	0.275657778	0.278413333	0.283808889	0.289044444	0.298022222	0.284444444	0.303173333	0.280266667
99	4/7/2022	0.283893333	0.267253333	0.290911111	0.278053333	0.281542222	0.277977778	0.294146667	0.278413333
100	4/8/2022	0.336786667	0.331164444	0.347804444	0.320902222	0.300097778	0.326346667	0.308186667	0.331177778
101	4/9/2022	0.329137778	0.347373333	0.346613333	0.343226667	0.344297778	0.335853333	0.331075556	0.349031111
102	4/10/2022	0.335697778	0.332395556	0.340404444	0.340315556	0.333386667	0.344808889	0.339951111	0.340053333
103	4/11/2022	0.25848	0.2606	0.253693333	0.269835556	0.259004444	0.258284444	0.254315556	0.263377778
104	4/12/2022	0.22864	0.232973333	0.218186667	0.227644444	0.227453333	0.228186667	0.220133333	0.227991111
105	4/13/2022	0.220648889	0.222262222	0.212102222	0.200466667	0.209675556	0.216062222	0.215871111	0.220542222
106	4/14/2022	0.240435556	0.242662222	0.24092	0.23028	0.230426667	0.224035556	0.209271111	0.209368889
107	4/15/2022	0.258631111	0.257288889	0.252866667	0.247062222	0.259097778	0.253275556	0.256964444	0.242262222
108	4/16/2022	0.233444444	0.223493333	0.227622222	0.220093333	0.217577778	0.215853333	0.208288889	0.211915556
109	4/17/2022	0.27252	0.294222222	0.275208889	0.261733333	0.272831111	0.256982222	0.24796	0.270662222
110	4/18/2022	0.294195556	0.284528889	0.29664	0.301408889	0.278448889	0.276502222	0.285804444	0.270964444
111	4/19/2022	0.349306667	0.355257778	0.385426667	0.361924444	0.376808889	0.357791111	0.340306667	0.34828
112	4/20/2022	0.310386667	0.302973333	0.305666667	0.296702222	0.312142222	0.33432	0.284444444	0.312342222
113	4/21/2022	0.246355556	0.228977778	0.232093333	0.23952	0.214608889	0.235844444	0.228528889	0.252671111
114	4/22/2022	0.260057778	0.225013333	0.23296	0.235715556	0.230697778	0.260004444	0.245497778	0.239715556
115	4/23/2022	0.221137778	0.217106667	0.215342222	0.219826667	0.232168889	0.228275556	0.229915556	0.224506667
116	4/24/2022	0.261946667	0.266017778	0.268422222	0.253817778	0.241488889	0.256831111	0.245733333	0.244408889
117	4/25/2022	0.281804444	0.27784	0.278684444	0.270311111	0.253293333	0.247497778	0.2492	0.250137778
118	4/26/2022	0.238217778	0.228382222	0.223937778	0.210466667	0.215351111	0.203711111	0.225053333	0.20116
119	4/27/2022	0.241813333	0.242053333	0.248035556	0.242564444	0.239751111	0.237382222	0.237706667	0.228982222
120	4/28/2022	0.241617778	0.248604444	0.238102222	0.221711111	0.220542222	0.225182222	0.233871111	0.233244444
121	4/29/2022	0.21528	0.216186667	0.201035556	0.21128	0.216106667	0.229857778	0.225488889	0.215288889
122	4/30/2022	0.224977778	0.220631111	0.208462222	0.214044444	0.223564444	0.221626667	0.213862222	0.208546667
123	5/1/2022	0.247422222	0.244973333	0.245293333	0.231942222	0.2268	0.216	0.21808	0.205804444
124	5/2/2022	0.246746667	0.241613333	0.228271111	0.233982222	0.220982222	0.216386667	0.209791111	0.198284444
125	5/3/2022	0.22428	0.217133333	0.220933333	0.230231111	0.22872	0.21012	0.215035556	0.200533333
126	5/4/2022	0.244466667	0.241355556	0.228715556	0.214017778	0.2338	0.224831111	0.228093333	0.220048889
127	5/5/2022	0.238577778	0.233102222	0.231564444	0.231564444	0.226106667	0.232017778	0.2218	0.215053333
128	5/6/2022	0.2194	0.226386667	0.220115556	0.221293333	0.230422222	0.222875556	0.225542222	0.214324444
129	5/7/2022	0.267746667	0.265142222	0.266017778	0.248328889	0.247044444	0.250097778	0.231315556	0.22436

	B	T	U	V	W	X	Y	Z	AA
2	measurement date	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545
98	4/6/2022	0.26592	0.304306667	0.309106667	0.291213333	0.309591111	0.308848889	0.327324444	0.330053333
99	4/7/2022	0.269622222	0.275155556	0.296275556	0.268693333	0.269288889	0.284915556	0.314328889	0.322208889
100	4/8/2022	0.335955556	0.35196	0.350053333	0.33848	0.342275556	0.333715556	0.354573333	0.374951111
101	4/9/2022	0.323248889	0.326284444	0.336155556	0.335515556	0.339528889	0.358355556	0.356831111	0.341146667
102	4/10/2022	0.349968889	0.352191111	0.366697778	0.373635556	0.391888889	0.387164444	0.395577778	0.381608889
103	4/11/2022	0.239773333	0.257128889	0.247911111	0.257662222	0.268302222	0.279235556	0.266862222	0.277528889
104	4/12/2022	0.210346667	0.212888889	0.231471111	0.227048889	0.245324444	0.237666667	0.243466667	0.267386667
105	4/13/2022	0.209555556	0.206853333	0.213555556	0.223808889	0.204586667	0.217613333	0.220248889	0.218306667
106	4/14/2022	0.216666667	0.2344	0.218142222	0.22744	0.218422222	0.209968889	0.220831111	0.2368
107	4/15/2022	0.253266667	0.257835556	0.275711111	0.257582222	0.252222222	0.26388	0.290662222	0.298311111
108	4/16/2022	0.212875556	0.218902222	0.223062222	0.215613333	0.215111111	0.204546667	0.213204444	0.221355556
109	4/17/2022	0.267715556	0.269395556	0.28296	0.29448	0.28756	0.288337778	0.268417778	0.289355556
110	4/18/2022	0.304031111	0.290435556	0.294146667	0.289564444	0.287457778	0.293702222	0.330337778	0.328697778
111	4/19/2022	0.350155556	0.352595556	0.361088889	0.3516	0.35676	0.367991111	0.408195556	0.389657778
112	4/20/2022	0.304142222	0.307697778	0.296213333	0.301817778	0.30564	0.322813333	0.364928889	0.390568889
113	4/21/2022	0.233488889	0.238084444	0.236431111	0.266542222	0.248644444	0.253773333	0.271706667	0.269462222
114	4/22/2022	0.23264	0.237231111	0.238044444	0.241973333	0.235471111	0.25236	0.256897778	0.264515556
115	4/23/2022	0.222928889	0.219617778	0.205537778	0.210142222	0.203488889	0.195026667	0.195324444	0.190302222
116	4/24/2022	0.243271111	0.230675556	0.231115556	0.225008889	0.220813333	0.228071111	0.222848889	0.239053333
117	4/25/2022	0.254386667	0.249048889	0.249417778	0.247582222	0.254573333	0.252897778	0.246888889	0.272142222
118	4/26/2022	0.194666667	0.209742222	0.205333333	0.207311111	0.205044444	0.220204444	0.219737778	0.226942222
119	4/27/2022	0.238737778	0.253564444	0.244168889	0.242875556	0.235191111	0.242933333	0.269844444	0.298413333
120	4/28/2022	0.232693333	0.230128889	0.218977778	0.220626667	0.238871111	0.235337778	0.244271111	0.261857778
121	4/29/2022	0.214515556	0.22356	0.210337778	0.220933333	0.226964444	0.22712	0.227013333	0.229311111
122	4/30/2022	0.195404444	0.205248889	0.211306667	0.216088889	0.21996	0.21352	0.2152	0.204368889
123	5/1/2022	0.213311111	0.212377778	0.216946667	0.232311111	0.226644444	0.226075556	0.217164444	0.225124444
124	5/2/2022	0.197106667	0.212888889	0.201222222	0.199293333	0.19632	0.209702222	0.230248889	0.238924444
125	5/3/2022	0.204422222	0.218906667	0.207253333	0.212208889	0.226022222	0.219253333	0.224151111	0.223382222
126	5/4/2022	0.214444444	0.220666667	0.221702222	0.231364444	0.229444444	0.230613333	0.216137778	0.218955556
127	5/5/2022	0.215933333	0.215173333	0.208986667	0.218764444	0.217671111	0.215515556	0.219048889	0.234186667
128	5/6/2022	0.203448889	0.22012	0.215231111	0.224844444	0.225448889	0.227773333	0.22616	0.254808889
129	5/7/2022	0.229764444	0.227853333	0.236022222	0.230764444	0.22448	0.223093333	0.220995556	0.224111111

	B	AB	AC	AD	AE	AF	AG	AH	AI
2	measurement date	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730	D_0745
98	4/6/2022	0.352542222	0.368093333	0.405222222	0.39988	0.382128889	0.383444444	0.346102222	0.371733333
99	4/7/2022	0.317724444	0.361088889	0.375786667	0.376137778	0.397604444	0.39344	0.389364444	0.407213333
100	4/8/2022	0.384688889	0.409262222	0.455022222	0.458377778	0.413671111	0.460666667	0.468155556	0.409186667
101	4/9/2022	0.34236	0.376511111	0.340853333	0.350906667	0.364137778	0.369093333	0.387733333	0.372151111
102	4/10/2022	0.380173333	0.377266667	0.362942222	0.377493333	0.380835556	0.410617778	0.381782222	0.402284444
103	4/11/2022	0.29164	0.319724444	0.319928889	0.314195556	0.3376	0.339875556	0.338657778	0.353266667
104	4/12/2022	0.258017778	0.310568889	0.340435556	0.295528889	0.33324	0.341751111	0.333155556	0.298026667
105	4/13/2022	0.233284444	0.259791111	0.278488889	0.248306667	0.254031111	0.274017778	0.291773333	0.242324444
106	4/14/2022	0.242488889	0.270146667	0.27	0.260088889	0.306928889	0.285155556	0.310191111	0.279426667
107	4/15/2022	0.298751111	0.313768889	0.344084444	0.329208889	0.384928889	0.365408889	0.311622222	0.310115556
108	4/16/2022	0.221048889	0.223151111	0.208351111	0.233644444	0.232631111	0.244862222	0.249186667	0.277675556
109	4/17/2022	0.313026667	0.30992	0.305066667	0.310293333	0.325004444	0.333164444	0.370035556	0.273902222
110	4/18/2022	0.348871111	0.379342222	0.370991111	0.37464	0.404484444	0.405262222	0.393848889	0.411022222
111	4/19/2022	0.424666667	0.431435556	0.440848889	0.425342222	0.466542222	0.46132	0.414813333	0.3918
112	4/20/2022	0.378137778	0.424488889	0.426991111	0.402675556	0.420608889	0.400297778	0.371711111	0.33244
113	4/21/2022	0.273297778	0.298151111	0.312373333	0.296506667	0.339506667	0.31492	0.316595556	0.292142222
114	4/22/2022	0.267977778	0.313746667	0.327524444	0.326573333	0.360484444	0.345782222	0.312057778	0.243968889
115	4/23/2022	0.203568889	0.212804444	0.230004444	0.228311111	0.235564444	0.245026667	0.23716	0.230075556
116	4/24/2022	0.265702222	0.240591111	0.251208889	0.264826667	0.252875556	0.22556	0.214595556	0.205337778
117	4/25/2022	0.253955556	0.270764444	0.300791111	0.29464	0.292351111	0.277173333	0.268266667	0.21072
118	4/26/2022	0.244795556	0.274337778	0.288297778	0.291591111	0.286604444	0.258773333	0.253151111	0.266222222
119	4/27/2022	0.331662222	0.362413333	0.37884	0.370413333	0.385382222	0.350755556	0.338	0.281062222
120	4/28/2022	0.292075556	0.346026667	0.373102222	0.347488889	0.363035556	0.3638	0.322982222	0.285337778
121	4/29/2022	0.262066667	0.271795556	0.293648889	0.332991111	0.33136	0.304324444	0.297595556	0.292826667
122	4/30/2022	0.219053333	0.214986667	0.216711111	0.231422222	0.244888889	0.254542222	0.239884444	0.267244444
123	5/1/2022	0.220266667	0.226484444	0.249213333	0.261337778	0.267284444	0.247413333	0.250413333	0.240608889
124	5/2/2022	0.236862222	0.240942222	0.259013333	0.269413333	0.27948	0.232893333	0.22676	0.201866667
125	5/3/2022	0.242595556	0.260053333	0.276706667	0.27788	0.306355556	0.303431111	0.296906667	0.305911111
126	5/4/2022	0.246346667	0.282275556	0.300186667	0.300017778	0.276075556	0.266875556	0.265204444	0.247533333
127	5/5/2022	0.25092	0.283831111	0.296217778	0.296631111	0.323293333	0.321235556	0.302511111	0.296675556
128	5/6/2022	0.26568	0.28084	0.292706667	0.283017778	0.312426667	0.319604444	0.307164444	0.285026667
129	5/7/2022	0.223364444	0.221928889	0.240764444	0.244893333	0.274542222	0.268524444	0.271422222	0.305475556

	B	AJ	AK	AL	AM	AN	AO	AP	AQ
2	measurement date	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945
98	4/6/2022	0.338328889	0.331106667	0.312328889	0.328697778	0.307151111	0.287146667	0.287324444	0.310995556
99	4/7/2022	0.355137778	0.304595556	0.260222222	0.293102222	0.282146667	0.161306667	0.117008889	0.114777778
100	4/8/2022	0.353448889	0.321235556	0.268253333	0.248493333	0.181617778	0.161448889	0.13992	0.12116
101	4/9/2022	0.386697778	0.345942222	0.352026667	0.333991111	0.341662222	0.288684444	0.25384	0.214933333
102	4/10/2022	0.37316	0.30168	0.276097778	0.27688	0.233466667	0.20744	0.151648889	0.117902222
103	4/11/2022	0.329964444	0.327977778	0.292951111	0.245644444	0.24156	0.238222222	0.208417778	0.231431111
104	4/12/2022	0.268115556	0.235626667	0.210497778	0.207422222	0.176462222	0.162564444	0.150022222	0.119622222
105	4/13/2022	0.254257778	0.235346667	0.235937778	0.276044444	0.268146667	0.235884444	0.215235556	0.187715556
106	4/14/2022	0.258573333	0.243773333	0.205004444	0.166337778	0.124831111	0.097315556	0.11536	0.084831111
107	4/15/2022	0.220155556	0.241684444	0.21476	0.199262222	0.156484444	0.146124444	0.116848889	0.137231111
108	4/16/2022	0.254582222	0.253164444	0.264724444	0.261355556	0.205688889	0.196777778	0.184533333	0.162288889
109	4/17/2022	0.26	0.220173333	0.239155556	0.265555556	0.204528889	0.170342222	0.185275556	0.150755556
110	4/18/2022	0.371973333	0.394355556	0.351733333	0.361	0.350933333	0.352213333	0.317164444	0.31252
111	4/19/2022	0.315173333	0.307351111	0.274875556	0.252653333	0.202444444	0.171706667	0.165426667	0.139422222
112	4/20/2022	0.350991111	0.354453333	0.314466667	0.260733333	0.284146667	0.218506667	0.187333333	0.169288889
113	4/21/2022	0.291364444	0.303151111	0.321653333	0.31192	0.290453333	0.267471111	0.295808889	0.26168
114	4/22/2022	0.247493333	0.235382222	0.210666667	0.215088889	0.16684	0.12904	0.109942222	0.103937778
115	4/23/2022	0.198288889	0.19316	0.200337778	0.173244444	0.162244444	0.143186667	0.104982222	0.097568889
116	4/24/2022	0.154404444	0.152546667	0.155177778	0.172337778	0.153804444	0.138137778	0.124062222	0.130191111
117	4/25/2022	0.159888889	0.196435556	0.223053333	0.191666667	0.125115556	0.142622222	0.124866667	0.120524444
118	4/26/2022	0.240964444	0.18652	0.145417778	0.138608889	0.127115556	0.121373333	0.108	0.100013333
119	4/27/2022	0.237862222	0.238311111	0.21124	0.166071111	0.152457778	0.135204444	0.126257778	0.1096
120	4/28/2022	0.240844444	0.205577778	0.185582222	0.150431111	0.135404444	0.1298	0.132622222	0.114848889
121	4/29/2022	0.275951111	0.250431111	0.248542222	0.208902222	0.179146667	0.18504	0.155582222	0.13216
122	4/30/2022	0.249008889	0.250537778	0.214977778	0.165697778	0.144662222	0.136568889	0.11952	0.133355556
123	5/1/2022	0.22244	0.254622222	0.269866667	0.267257778	0.269568889	0.253866667	0.184475556	0.146484444
124	5/2/2022	0.179497778	0.173431111	0.145377778	0.139377778	0.116613333	0.09528	0.097911111	0.093684444
125	5/3/2022	0.263204444	0.276377778	0.258484444	0.240622222	0.272466667	0.284995556	0.301328889	0.295053333
126	5/4/2022	0.244453333	0.242982222	0.255453333	0.250106667	0.221324444	0.191533333	0.180635556	0.175168889
127	5/5/2022	0.270728889	0.24812	0.246657778	0.209235556	0.1784	0.177448889	0.170364444	0.148377778
128	5/6/2022	0.257284444	0.210448889	0.189533333	0.145533333	0.181382222	0.160373333	0.131084444	0.150151111
129	5/7/2022	0.278017778	0.265391111	0.24224	0.242568889	0.207586667	0.196737778	0.182315556	0.183115556

	B	AR	AS	AT	AU	AV	AW	AX	AY
2	measurement date	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
98	4/6/2022	0.320311111	0.32652	0.332315556	0.344888889	0.342671111	0.290626667	0.222177778	0.175626667
99	4/7/2022	0.126448889	0.134155556	0.110417778	0.114084444	0.096928889	0.085208889	0.060777778	0.061631111
100	4/8/2022	0.145444444	0.143608889	0.134368889	0.115564444	0.113506667	0.113462222	0.127875556	0.126977778
101	4/9/2022	0.211613333	0.190097778	0.196186667	0.198831111	0.21576	0.229262222	0.234533333	0.222008889
102	4/10/2022	0.11472	0.11384	0.104711111	0.078231111	0.052484444	0.063951111	0.0672	0.06212
103	4/11/2022	0.257586667	0.256093333	0.301435556	0.275662222	0.235208889	0.137835556	0.09928	0.076386667
104	4/12/2022	0.106235556	0.109853333	0.116755556	0.106462222	0.11104	0.103617778	0.113324444	0.107035556
105	4/13/2022	0.19128	0.235515556	0.20976	0.188631111	0.184164444	0.196622222	0.189848889	0.174857778
106	4/14/2022	0.084475556	0.072888889	0.061355556	0.032857778	0.028226667	0.027035556	0.030653333	0.029484444
107	4/15/2022	0.098622222	0.085568889	0.069422222	0.046733333	0.049417778	0.036595556	0.03104	0.036235556
108	4/16/2022	0.161853333	0.11016	0.1266	0.091715556	0.118257778	0.159115556	0.147435556	0.140542222
109	4/17/2022	0.141871111	0.112537778	0.111293333	0.094817778	0.076355556	0.094706667	0.081568889	0.066026667
110	4/18/2022	0.350017778	0.293751111	0.24248	0.265417778	0.271351111	0.267475556	0.216084444	0.218057778
111	4/19/2022	0.122328889	0.099991111	0.112057778	0.102182222	0.089013333	0.080431111	0.086337778	0.103004444
112	4/20/2022	0.120608889	0.11216	0.080546667	0.083866667	0.111075556	0.105968889	0.096008889	0.070448889
113	4/21/2022	0.264862222	0.23596	0.185293333	0.18624	0.168471111	0.165942222	0.159795556	0.132128889
114	4/22/2022	0.083168889	0.080115556	0.066546667	0.067577778	0.063328889	0.035737778	0.034795556	0.046288889
115	4/23/2022	0.09396	0.090604444	0.085435556	0.072844444	0.067111111	0.063431111	0.060964444	0.048186667
116	4/24/2022	0.10632	0.090911111	0.083711111	0.095417778	0.085924444	0.065755556	0.05152	0.060586667
117	4/25/2022	0.162582222	0.164342222	0.172502222	0.180671111	0.165706667	0.15532	0.161844444	0.142404444
118	4/26/2022	0.082742222	0.071617778	0.099115556	0.082133333	0.07452	0.068431111	0.074328889	0.060484444
119	4/27/2022	0.085382222	0.056493333	0.065008889	0.058075556	0.065106667	0.054591111	0.050391111	0.036377778
120	4/28/2022	0.085355556	0.079968889	0.070897778	0.056875556	0.068964444	0.056408889	0.037297778	0.031853333
121	4/29/2022	0.136444444	0.120333333	0.108386667	0.106768889	0.101742222	0.083106667	0.072142222	0.057106667
122	4/30/2022	0.115066667	0.129582222	0.131973333	0.128782222	0.092875556	0.10152	0.100991111	0.087266667
123	5/1/2022	0.121515556	0.132613333	0.136208889	0.120297778	0.105	0.087386667	0.067088889	0.072622222
124	5/2/2022	0.073431111	0.07796	0.066115556	0.06644	0.048031111	0.032328889	0.024364444	0.021955556
125	5/3/2022	0.247755556	0.193888889	0.105804444	0.068702222	0.053848889	0.040364444	0.048368889	0.056093333
126	5/4/2022	0.14624	0.167017778	0.168604444	0.178733333	0.16164	0.138275556	0.154764444	0.126213333
127	5/5/2022	0.149351111	0.144271111	0.129168889	0.141515556	0.123946667	0.114351111	0.105017778	0.092648889
128	5/6/2022	0.102155556	0.109133333	0.102164444	0.103408889	0.118853333	0.107844444	0.075497778	0.083688889
129	5/7/2022	0.185048889	0.207537778	0.19912	0.201431111	0.178675556	0.176728889	0.20112	0.166435556

	B	AZ	BA	BB	BC	BD	BE	BF	BG
2	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345
98	4/6/2022	0.083333333	0.103226667	0.102088889	0.120884444	0.250635556	0.263626667	0.252186667	0.259555556
99	4/7/2022	0.045804444	0.058244444	0.046817778	0.056022222	0.06664	0.070355556	0.067551111	0.078555556
100	4/8/2022	0.113968889	0.120266667	0.099986667	0.120404444	0.102075556	0.084213333	0.065013333	0.070097778
101	4/9/2022	0.195302222	0.212786667	0.248244444	0.302155556	0.321182222	0.351497778	0.34508	0.306582222
102	4/10/2022	0.052191111	0.043933333	0.039106667	0.031497778	0.03912	0.045137778	0.05152	0.035115556
103	4/11/2022	0.083982222	0.105244444	0.138266667	0.16076	0.174795556	0.175413333	0.193871111	0.188284444
104	4/12/2022	0.080666667	0.080631111	0.090284444	0.112804444	0.098564444	0.095484444	0.070746667	0.059728889
105	4/13/2022	0.136364444	0.060928889	0.067093333	0.072511111	0.075062222	0.07372	0.065533333	0.067346667
106	4/14/2022	0.032973333	0.028257778	0.015084444	0.018857778	0.030857778	0.022937778	0.016426667	0.017684444
107	4/15/2022	0.025955556	0.023333333	0.029911111	0.021648889	0.019217778	0.022142222	0.026444444	0.03196
108	4/16/2022	0.133573333	0.097408889	0.092751111	0.068066667	0.073	0.071346667	0.069124444	0.081586667
109	4/17/2022	0.061817778	0.0634	0.066551111	0.052	0.054071111	0.064333333	0.081066667	0.075222222
110	4/18/2022	0.253786667	0.286271111	0.231711111	0.19888	0.183942222	0.221253333	0.242715556	0.229711111
111	4/19/2022	0.106808889	0.106044444	0.099422222	0.08592	0.086391111	0.1082	0.067275556	0.064991111
112	4/20/2022	0.074013333	0.09624	0.082391111	0.065404444	0.072182222	0.064235556	0.045044444	0.036524444
113	4/21/2022	0.151208889	0.14616	0.111804444	0.135666667	0.116306667	0.135244444	0.130871111	0.141035556
114	4/22/2022	0.031831111	0.034706667	0.026644444	0.027791111	0.032457778	0.028626667	0.028102222	0.026062222
115	4/23/2022	0.042128889	0.047466667	0.04244	0.03732	0.034155556	0.04684	0.050053333	0.044537778
116	4/24/2022	0.074964444	0.070155556	0.063737778	0.0666	0.052848889	0.056604444	0.063191111	0.072053333
117	4/25/2022	0.125755556	0.108991111	0.106568889	0.175768889	0.146475556	0.108137778	0.099866667	0.10196
118	4/26/2022	0.064431111	0.051017778	0.054235556	0.041128889	0.034728889	0.035955556	0.034977778	0.037871111
119	4/27/2022	0.028284444	0.027506667	0.021728889	0.019035556	0.021444444	0.022608889	0.021248889	0.02248
120	4/28/2022	0.043564444	0.033222222	0.039444444	0.063	0.036746667	0.033306667	0.026106667	0.037408889
121	4/29/2022	0.050262222	0.035871111	0.044404444	0.03356	0.036475556	0.038235556	0.032528889	0.036306667
122	4/30/2022	0.083284444	0.082377778	0.07924	0.087035556	0.099831111	0.109515556	0.081311111	0.086377778
123	5/1/2022	0.050875556	0.056702222	0.053235556	0.044013333	0.056164444	0.048066667	0.046435556	0.046426667
124	5/2/2022	0.018351111	0.024213333	0.027488889	0.019075556	0.023275556	0.036826667	0.026306667	0.02772
125	5/3/2022	0.066502222	0.083346667	0.078875556	0.059928889	0.076168889	0.109364444	0.108062222	0.104306667
126	5/4/2022	0.11776	0.106586667	0.108342222	0.12008	0.114666667	0.119395556	0.109413333	0.109351111
127	5/5/2022	0.089968889	0.112186667	0.129533333	0.103328889	0.079977778	0.087644444	0.08652	0.089248889
128	5/6/2022	0.085497778	0.075675556	0.057453333	0.092942222	0.111275556	0.111715556	0.124862222	0.122733333
129	5/7/2022	0.154502222	0.161342222	0.148702222	0.14292	0.133506667	0.125813333	0.154537778	0.162297778

	B	BH	BI	BJ	BK	BL	BM	BN	BO
2	measurement date	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545
98	4/6/2022	0.263448889	0.259035556	0.238204444	0.271391111	0.280253333	0.230133333	0.208208889	0.237533333
99	4/7/2022	0.052195556	0.050066667	0.051533333	0.056328889	0.106484444	0.09628	0.097653333	0.067853333
100	4/8/2022	0.101995556	0.095195556	0.115137778	0.141368889	0.143946667	0.11644	0.120795556	0.12716
101	4/9/2022	0.269893333	0.227497778	0.27204	0.307822222	0.256693333	0.20252	0.213315556	0.226524444
102	4/10/2022	0.033626667	0.030502222	0.035955556	0.044346667	0.049822222	0.042666667	0.046888889	0.057262222
103	4/11/2022	0.125195556	0.09672	0.107511111	0.126155556	0.104595556	0.106244444	0.13552	0.140782222
104	4/12/2022	0.085977778	0.136075556	0.144213333	0.165493333	0.132111111	0.106768889	0.10832	0.099551111
105	4/13/2022	0.07696	0.131577778	0.166608889	0.199146667	0.159853333	0.171444444	0.17924	0.16184
106	4/14/2022	0.017968889	0.017844444	0.020591111	0.02176	0.023044444	0.029564444	0.023768889	0.031466667
107	4/15/2022	0.032297778	0.030582222	0.024506667	0.026244444	0.02836	0.044822222	0.0442	0.057226667
108	4/16/2022	0.088764444	0.071817778	0.064453333	0.054493333	0.06948	0.055355556	0.055071111	0.04552
109	4/17/2022	0.081284444	0.080724444	0.0864	0.061306667	0.058871111	0.080297778	0.090191111	0.071808889
110	4/18/2022	0.23252	0.258737778	0.271911111	0.266066667	0.312382222	0.310671111	0.320813333	0.299395556
111	4/19/2022	0.0676	0.091777778	0.0632	0.077853333	0.081551111	0.079924444	0.085248889	0.08776
112	4/20/2022	0.04268	0.052062222	0.043333333	0.041431111	0.035275556	0.041657778	0.037342222	0.037
113	4/21/2022	0.093088889	0.094688889	0.115142222	0.158795556	0.177715556	0.190897778	0.204577778	0.20772
114	4/22/2022	0.033333333	0.027768889	0.017875556	0.018973333	0.031462222	0.042168889	0.032733333	0.038684444
115	4/23/2022	0.04012	0.039662222	0.042244444	0.039582222	0.053222222	0.061724444	0.060591111	0.0662
116	4/24/2022	0.080128889	0.080813333	0.07344	0.070946667	0.079906667	0.081204444	0.095168889	0.098808889
117	4/25/2022	0.0986	0.127591111	0.110244444	0.123377778	0.152053333	0.20456	0.246635556	0.235422222
118	4/26/2022	0.038422222	0.033853333	0.025017778	0.031915556	0.027533333	0.024368889	0.029306667	0.038066667
119	4/27/2022	0.024986667	0.023528889	0.017862222	0.023022222	0.019115556	0.026168889	0.025662222	0.022631111
120	4/28/2022	0.045155556	0.052795556	0.03748	0.041271111	0.036866667	0.04156	0.066457778	0.065933333
121	4/29/2022	0.035608889	0.036537778	0.028893333	0.024591111	0.021204444	0.032955556	0.024671111	0.021911111
122	4/30/2022	0.076488889	0.094764444	0.117657778	0.113751111	0.097346667	0.096746667	0.0868	0.044915556
123	5/1/2022	0.04812	0.030942222	0.032235556	0.038217778	0.045524444	0.03876	0.040804444	0.03304
124	5/2/2022	0.021022222	0.023231111	0.026266667	0.029146667	0.027893333	0.031813333	0.046502222	0.039648889
125	5/3/2022	0.101084444	0.061275556	0.064462222	0.0812	0.128622222	0.208364444	0.228995556	0.198813333
126	5/4/2022	0.076871111	0.077653333	0.100417778	0.083862222	0.091546667	0.098466667	0.109124444	0.117657778
127	5/5/2022	0.099497778	0.11012	0.122057778	0.118991111	0.110737778	0.100875556	0.072173333	0.113546667
128	5/6/2022	0.095933333	0.114964444	0.135911111	0.159777778	0.143533333	0.134457778	0.120497778	0.143813333
129	5/7/2022	0.149195556	0.19316	0.207853333	0.171942222	0.158106667	0.212422222	0.23376	0.233146667

	B	BP	BQ	BR	BS	BT	BU	BV	BW
2	measurement date	D_1600	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745
98	4/6/2022	0.285164444	0.244146667	0.263457778	0.192364444	0.230697778	0.212693333	0.257142222	0.317617778
99	4/7/2022	0.057075556	0.063226667	0.078786667	0.087813333	0.106031111	0.104217778	0.129328889	0.168182222
100	4/8/2022	0.152706667	0.120733333	0.117604444	0.108084444	0.08572	0.116137778	0.148226667	0.193231111
101	4/9/2022	0.228711111	0.231471111	0.276955556	0.259324444	0.317697778	0.378768889	0.321044444	0.314853333
102	4/10/2022	0.052506667	0.06588	0.064102222	0.077231111	0.080844444	0.08768	0.125808889	0.148257778
103	4/11/2022	0.173751111	0.199591111	0.221755556	0.259822222	0.307688889	0.301351111	0.342137778	0.3228
104	4/12/2022	0.095662222	0.104524444	0.078271111	0.065991111	0.092768889	0.116324444	0.112951111	0.117662222
105	4/13/2022	0.190542222	0.208848889	0.179035556	0.20412	0.18164	0.14692	0.118613333	0.105733333
106	4/14/2022	0.042053333	0.043377778	0.042751111	0.056302222	0.068702222	0.063546667	0.068448889	0.091297778
107	4/15/2022	0.059222222	0.073502222	0.079417778	0.090577778	0.124373333	0.13696	0.151511111	0.170942222
108	4/16/2022	0.050706667	0.052137778	0.056493333	0.064573333	0.065271111	0.074337778	0.113804444	0.12048
109	4/17/2022	0.09984	0.101582222	0.116822222	0.118875556	0.113502222	0.127168889	0.136924444	0.145866667
110	4/18/2022	0.309373333	0.312951111	0.355733333	0.340822222	0.336368889	0.306835556	0.307297778	0.359066667
111	4/19/2022	0.100106667	0.104151111	0.091044444	0.09	0.099844444	0.108106667	0.131146667	0.153031111
112	4/20/2022	0.039568889	0.051924444	0.056035556	0.06212	0.057466667	0.082604444	0.105506667	0.162235556
113	4/21/2022	0.22776	0.198271111	0.170102222	0.127302222	0.130062222	0.131155556	0.131266667	0.135871111
114	4/22/2022	0.037666667	0.043084444	0.050595556	0.068093333	0.063688889	0.096622222	0.114142222	0.122515556
115	4/23/2022	0.05636	0.060213333	0.052048889	0.076266667	0.085426667	0.093662222	0.1208	0.15164
116	4/24/2022	0.094026667	0.094022222	0.103608889	0.133542222	0.159675556	0.127684444	0.15788	0.184835556
117	4/25/2022	0.185862222	0.173551111	0.159888889	0.170857778	0.179644444	0.189608889	0.252146667	0.250431111
118	4/26/2022	0.043217778	0.04348	0.049253333	0.052928889	0.052937778	0.065777778	0.080377778	0.090137778
119	4/27/2022	0.023764444	0.032133333	0.041213333	0.047977778	0.047995556	0.048613333	0.068444444	0.087706667
120	4/28/2022	0.042364444	0.0272	0.044062222	0.05736	0.053164444	0.073231111	0.083835556	0.119951111
121	4/29/2022	0.044351111	0.054031111	0.079977778	0.101844444	0.127031111	0.116853333	0.098253333	0.096573333
122	4/30/2022	0.069057778	0.09544	0.100493333	0.10256	0.087733333	0.107475556	0.142577778	0.146537778
123	5/1/2022	0.041008889	0.05756	0.064177778	0.073448889	0.097604444	0.103195556	0.114875556	0.135626667
124	5/2/2022	0.064271111	0.073284444	0.074924444	0.09764	0.13372	0.14976	0.172151111	0.167964444
125	5/3/2022	0.166711111	0.139951111	0.120977778	0.108377778	0.133306667	0.124613333	0.161008889	0.2044
126	5/4/2022	0.131804444	0.127333333	0.10304	0.118275556	0.125831111	0.124666667	0.14688	0.177128889
127	5/5/2022	0.187573333	0.177871111	0.146582222	0.147448889	0.135604444	0.186337778	0.252666667	0.293831111
128	5/6/2022	0.200831111	0.252746667	0.29828	0.331057778	0.307133333	0.317804444	0.293822222	0.291448889
129	5/7/2022	0.187631111	0.173626667	0.210182222	0.251248889	0.196853333	0.218324444	0.277671111	0.313044444

	B	BX	BY	BZ	CA	CB	CC	CD	CE
2	measurement date	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945
98	4/6/2022	0.308462222	0.33936	0.302417778	0.240057778	0.194942222	0.233888889	0.274431111	0.365422222
99	4/7/2022	0.187204444	0.162462222	0.247533333	0.330746667	0.32164	0.281982222	0.285848889	0.344675556
100	4/8/2022	0.2154	0.204404444	0.209991111	0.239773333	0.2288	0.260164444	0.355008889	0.411782222
101	4/9/2022	0.339257778	0.350155556	0.33736	0.287462222	0.292937778	0.363555556	0.416684444	0.415271111
102	4/10/2022	0.148848889	0.184515556	0.181577778	0.192626667	0.240191111	0.258782222	0.314715556	0.33352
103	4/11/2022	0.34036	0.382444444	0.371675556	0.374537778	0.382817778	0.376097778	0.409471111	0.412502222
104	4/12/2022	0.171573333	0.178302222	0.1684	0.183968889	0.189604444	0.22096	0.285146667	0.310706667
105	4/13/2022	0.14152	0.177928889	0.200066667	0.208773333	0.212208889	0.265573333	0.287253333	0.315613333
106	4/14/2022	0.098608889	0.119253333	0.162804444	0.167382222	0.186204444	0.215568889	0.222573333	0.242897778
107	4/15/2022	0.187186667	0.224284444	0.252346667	0.291493333	0.267804444	0.254706667	0.291102222	0.286542222
108	4/16/2022	0.127817778	0.145448889	0.204871111	0.180355556	0.210502222	0.234191111	0.248844444	0.2742
109	4/17/2022	0.147462222	0.13088	0.154786667	0.167875556	0.207422222	0.219244444	0.244302222	0.289288889
110	4/18/2022	0.367457778	0.338244444	0.313653333	0.308568889	0.318577778	0.349906667	0.366715556	0.413266667
111	4/19/2022	0.154573333	0.157808889	0.164213333	0.181853333	0.221515556	0.229417778	0.271924444	0.325191111
112	4/20/2022	0.146711111	0.153502222	0.193	0.224648889	0.246511111	0.258102222	0.30492	0.326617778
113	4/21/2022	0.145155556	0.167097778	0.170924444	0.162102222	0.210773333	0.205511111	0.222191111	0.260066667
114	4/22/2022	0.136604444	0.165191111	0.176048889	0.166711111	0.188773333	0.240986667	0.257924444	0.269973333
115	4/23/2022	0.146684444	0.175195556	0.207275556	0.261795556	0.299493333	0.322284444	0.358257778	0.354151111
116	4/24/2022	0.249044444	0.244866667	0.251404444	0.313924444	0.353568889	0.390284444	0.420702222	0.439866667
117	4/25/2022	0.253964444	0.298333333	0.324857778	0.35152	0.334026667	0.351324444	0.347457778	0.37896
118	4/26/2022	0.094826667	0.109408889	0.117035556	0.153186667	0.142751111	0.169111111	0.193644444	0.24156
119	4/27/2022	0.089515556	0.125395556	0.132617778	0.173057778	0.218915556	0.231835556	0.247093333	0.258111111
120	4/28/2022	0.148746667	0.18296	0.185088889	0.210693333	0.223088889	0.242084444	0.285235556	0.315208889
121	4/29/2022	0.106875556	0.133911111	0.161142222	0.198004444	0.211764444	0.235075556	0.296977778	0.3254
122	4/30/2022	0.111573333	0.136075556	0.157991111	0.201093333	0.236431111	0.2466	0.278893333	0.314506667
123	5/1/2022	0.159737778	0.161257778	0.197022222	0.223204444	0.235275556	0.298226667	0.339742222	0.360515556
124	5/2/2022	0.191973333	0.182888889	0.193342222	0.216328889	0.248102222	0.270231111	0.295426667	0.296893333
125	5/3/2022	0.22684	0.197346667	0.223373333	0.227431111	0.258026667	0.291768889	0.325297778	0.362293333
126	5/4/2022	0.185693333	0.185777778	0.206764444	0.2264	0.254435556	0.291497778	0.270862222	0.293155556
127	5/5/2022	0.262035556	0.310595556	0.291533333	0.277204444	0.269888889	0.32084	0.323875556	0.336546667
128	5/6/2022	0.293257778	0.302622222	0.323702222	0.289377778	0.296622222	0.309746667	0.337755556	0.33804
129	5/7/2022	0.263404444	0.236782222	0.196053333	0.212022222	0.250724444	0.238266667	0.285733333	0.30552

	B	CF	CG	CH	CI	CJ	CK	CL	CM
2	measurement date	D_2000	D_2015	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145
98	4/6/2022	0.411391111	0.385768889	0.382964444	0.418648889	0.423866667	0.422848889	0.405595556	0.364835556
99	4/7/2022	0.395066667	0.451497778	0.467413333	0.460431111	0.443715556	0.454528889	0.446044444	0.449111111
100	4/8/2022	0.405871111	0.405924444	0.400728889	0.422048889	0.450955556	0.422733333	0.426373333	0.418928889
101	4/9/2022	0.448866667	0.460475556	0.508542222	0.492413333	0.481857778	0.489986667	0.467186667	0.459648889
102	4/10/2022	0.364648889	0.387355556	0.426062222	0.434897778	0.415888889	0.415191111	0.409857778	0.386582222
103	4/11/2022	0.402622222	0.407235556	0.412777778	0.406608889	0.418933333	0.392528889	0.384337778	0.347417778
104	4/12/2022	0.343093333	0.37716	0.368577778	0.388431111	0.377386667	0.364937778	0.372248889	0.369297778
105	4/13/2022	0.342008889	0.362586667	0.377848889	0.375795556	0.373933333	0.377022222	0.379422222	0.369071111
106	4/14/2022	0.288631111	0.308191111	0.325635556	0.342137778	0.347377778	0.325017778	0.338875556	0.347915556
107	4/15/2022	0.315151111	0.327737778	0.316897778	0.334417778	0.351226667	0.341382222	0.348808889	0.343933333
108	4/16/2022	0.32468	0.357933333	0.391675556	0.383515556	0.359302222	0.355408889	0.388084444	0.36152
109	4/17/2022	0.366013333	0.413306667	0.422288889	0.422897778	0.454315556	0.43284	0.41492	0.43236
110	4/18/2022	0.419604444	0.471257778	0.510484444	0.523128889	0.505284444	0.492644444	0.527328889	0.456604444
111	4/19/2022	0.347524444	0.38756	0.407146667	0.391848889	0.413511111	0.42848	0.450844444	0.43348
112	4/20/2022	0.342946667	0.373693333	0.396768889	0.403315556	0.398297778	0.379537778	0.395248889	0.377986667
113	4/21/2022	0.302951111	0.333791111	0.354902222	0.383586667	0.392106667	0.40128	0.395293333	0.360044444
114	4/22/2022	0.28612	0.34016	0.367008889	0.361786667	0.361777778	0.357768889	0.363826667	0.372284444
115	4/23/2022	0.361884444	0.42072	0.431471111	0.466866667	0.431884444	0.436511111	0.424315556	0.437431111
116	4/24/2022	0.457275556	0.504222222	0.585991111	0.554804444	0.513248889	0.559635556	0.520671111	0.52128
117	4/25/2022	0.422915556	0.447337778	0.449831111	0.419608889	0.403026667	0.45076	0.471133333	0.438915556
118	4/26/2022	0.278853333	0.305968889	0.351977778	0.355493333	0.36612	0.362631111	0.362075556	0.378542222
119	4/27/2022	0.320853333	0.324555556	0.373391111	0.381875556	0.403191111	0.399008889	0.39008	0.382751111
120	4/28/2022	0.335835556	0.365013333	0.3768	0.395871111	0.41716	0.396591111	0.396471111	0.389022222
121	4/29/2022	0.324893333	0.304728889	0.333822222	0.335031111	0.347555556	0.349346667	0.336315556	0.359666667
122	4/30/2022	0.3548	0.355822222	0.394488889	0.37432	0.386924444	0.412164444	0.403768889	0.385942222
123	5/1/2022	0.371377778	0.433164444	0.434995556	0.475973333	0.477182222	0.506773333	0.460853333	0.449888889
124	5/2/2022	0.321515556	0.378142222	0.441777778	0.410831111	0.401284444	0.392648889	0.397395556	0.373924444
125	5/3/2022	0.368475556	0.41848	0.438475556	0.423813333	0.445822222	0.423524444	0.438222222	0.423302222
126	5/4/2022	0.353813333	0.375795556	0.386328889	0.389115556	0.385173333	0.3936	0.376613333	0.374457778
127	5/5/2022	0.355844444	0.364088889	0.38648	0.380422222	0.378808889	0.389053333	0.385542222	0.359133333
128	5/6/2022	0.344368889	0.362231111	0.369404444	0.413142222	0.390217778	0.392982222	0.395204444	0.408231111
129	5/7/2022	0.329186667	0.333031111	0.360506667	0.347502222	0.386204444	0.372315556	0.353742222	0.36028

	B	CN	CO	CP	CQ	CR	CS	CT	CU
2	measurement date	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345
98	4/6/2022	0.407093333	0.402702222	0.376933333	0.375635556	0.348466667	0.364631111	0.362008889	0.331004444
99	4/7/2022	0.467573333	0.444293333	0.38844	0.370493333	0.363031111	0.365248889	0.363964444	0.368093333
100	4/8/2022	0.425551111	0.404697778	0.405866667	0.403591111	0.396475556	0.410782222	0.392391111	0.372057778
101	4/9/2022	0.465084444	0.440786667	0.393115556	0.43904	0.387577778	0.380497778	0.389484444	0.377928889
102	4/10/2022	0.375768889	0.352933333	0.351146667	0.358355556	0.358324444	0.359751111	0.343502222	0.31444
103	4/11/2022	0.346466667	0.332666667	0.323884444	0.351733333	0.314533333	0.313671111	0.283235556	0.25776
104	4/12/2022	0.369524444	0.342342222	0.344728889	0.321893333	0.330893333	0.31324	0.302577778	0.292533333
105	4/13/2022	0.367435556	0.369493333	0.348164444	0.33768	0.316342222	0.297346667	0.284404444	0.271551111
106	4/14/2022	0.336737778	0.356742222	0.343902222	0.345231111	0.321795556	0.305497778	0.304164444	0.257422222
107	4/15/2022	0.363048889	0.338951111	0.348666667	0.334524444	0.316248889	0.29452	0.288075556	0.276351111
108	4/16/2022	0.349666667	0.336342222	0.341275556	0.336782222	0.325826667	0.344257778	0.3308	0.315688889
109	4/17/2022	0.432302222	0.417857778	0.416742222	0.372355556	0.366773333	0.370417778	0.337253333	0.3468
110	4/18/2022	0.457568889	0.468333333	0.479377778	0.45652	0.433555556	0.443822222	0.431617778	0.408248889
111	4/19/2022	0.410146667	0.383711111	0.395271111	0.387142222	0.406617778	0.388493333	0.331275556	0.334791111
112	4/20/2022	0.383413333	0.333511111	0.33672	0.341204444	0.317782222	0.330986667	0.313191111	0.329746667
113	4/21/2022	0.359177778	0.325435556	0.329355556	0.303293333	0.315186667	0.300226667	0.288764444	0.283622222
114	4/22/2022	0.392604444	0.398288889	0.371546667	0.342284444	0.320608889	0.322008889	0.314368889	0.297457778
115	4/23/2022	0.427297778	0.40352	0.403355556	0.373875556	0.37396	0.377786667	0.355062222	0.340377778
116	4/24/2022	0.534173333	0.545017778	0.5452	0.485386667	0.445533333	0.439595556	0.405084444	0.378875556
117	4/25/2022	0.430848889	0.402297778	0.379551111	0.346315556	0.312848889	0.327835556	0.31232	0.298244444
118	4/26/2022	0.359355556	0.347613333	0.35616	0.349728889	0.314182222	0.307213333	0.269155556	0.258524444
119	4/27/2022	0.372595556	0.371982222	0.33748	0.338182222	0.32296	0.286564444	0.281217778	0.263444444
120	4/28/2022	0.390186667	0.3816	0.358133333	0.341622222	0.328533333	0.309137778	0.292217778	0.290826667
121	4/29/2022	0.336711111	0.322137778	0.306746667	0.298733333	0.290048889	0.289688889	0.293293333	0.278782222
122	4/30/2022	0.361986667	0.340511111	0.365502222	0.353044444	0.346031111	0.338728889	0.31864	0.293622222
123	5/1/2022	0.416675556	0.426462222	0.399355556	0.399382222	0.370022222	0.358444444	0.341124444	0.327355556
124	5/2/2022	0.38216	0.399262222	0.383573333	0.359351111	0.329662222	0.315257778	0.303355556	0.287813333
125	5/3/2022	0.441315556	0.431315556	0.392115556	0.360893333	0.342133333	0.332471111	0.338377778	0.313306667
126	5/4/2022	0.388128889	0.38704	0.376435556	0.35092	0.333053333	0.338604444	0.312115556	0.31448
127	5/5/2022	0.342048889	0.328186667	0.325075556	0.326471111	0.299733333	0.301746667	0.277008889	0.274671111
128	5/6/2022	0.40856	0.41124	0.389302222	0.334235556	0.317768889	0.328626667	0.324395556	0.336448889
129	5/7/2022	0.353426667	0.346897778	0.351475556	0.323586667	0.326346667	0.31952	0.28568	0.287564444

	B	CV	CW	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB
2	measurement date	D_2400		1	2	3	4	5	6	7	8	9	10	11	12
98	4/6/2022	0.321866667		1.19	1.20	1.15	1.13	1.21	1.32	1.56	1.44	1.28	1.21	1.35	0.77
99	4/7/2022	0.363404444		1.21	1.09	1.12	1.12	1.11	1.24	1.51	1.55	1.14	0.52	0.46	0.25
100	4/8/2022	0.340573333		1.37	1.33	1.30	1.30	1.38	1.45	1.74	1.69	1.02	0.57	0.51	0.48
101	4/9/2022	0.399177778		1.42	1.34	1.38	1.34	1.34	1.40	1.43	1.52	1.37	0.97	0.80	0.88
102	4/10/2022	0.293142222		1.49	1.39	1.35	1.37	1.48	1.54	1.50	1.57	1.09	0.59	0.35	0.25
103	4/11/2022	0.283191111		1.11	1.05	1.04	1.02	1.03	1.12	1.29	1.36	1.11	0.94	1.07	0.40
104	4/12/2022	0.283662222		0.98	0.94	0.91	0.89	0.92	1.01	1.28	1.24	0.83	0.54	0.44	0.40
105	4/13/2022	0.28236		0.98	0.89	0.84	0.86	0.85	0.89	1.04	1.06	1.02	0.83	0.82	0.70
106	4/14/2022	0.275306667		1.05	0.98	0.94	0.86	0.90	0.91	1.11	1.13	0.74	0.38	0.20	0.12
107	4/15/2022	0.280546667		1.05	0.99	1.02	1.01	1.04	1.15	1.37	1.21	0.81	0.50	0.25	0.13
108	4/16/2022	0.295111111		1.07	0.97	0.89	0.85	0.87	0.86	0.90	1.03	0.98	0.71	0.45	0.58
109	4/17/2022	0.323288889		1.14	1.14	1.10	1.04	1.13	1.16	1.25	1.24	0.93	0.65	0.40	0.30
110	4/18/2022	0.372555556		1.18	1.18	1.16	1.14	1.16	1.30	1.53	1.58	1.46	1.33	1.07	0.96
111	4/19/2022	0.335453333		1.49	1.39	1.48	1.40	1.42	1.59	1.76	1.58	1.04	0.60	0.40	0.38
112	4/20/2022	0.29068		1.34	1.24	1.22	1.24	1.21	1.46	1.67	1.46	1.21	0.70	0.39	0.35
113	4/21/2022	0.265142222		1.03	0.93	0.92	0.95	0.99	1.07	1.25	1.22	1.23	1.09	0.78	0.61
114	4/22/2022	0.288497778		1.00	0.98	0.92	0.98	0.95	1.04	1.33	1.15	0.83	0.43	0.28	0.15
115	4/23/2022	0.33092		1.11	0.97	0.88	0.91	0.84	0.78	0.91	0.91	0.73	0.44	0.32	0.21
116	4/24/2022	0.361848889		1.18	1.05	1.03	0.99	0.91	0.96	1.01	0.80	0.63	0.50	0.36	0.25
117	4/25/2022	0.258617778		1.29	1.16	1.08	1.00	1.00	1.03	1.16	0.92	0.74	0.55	0.68	0.59
118	4/26/2022	0.243813333		1.02	0.95	0.88	0.82	0.83	0.91	1.14	1.02	0.60	0.41	0.33	0.27
119	4/27/2022	0.266351111		1.04	0.99	0.97	0.94	0.98	1.14	1.50	1.21	0.77	0.46	0.24	0.17
120	4/28/2022	0.276902222		0.97	0.98	0.93	0.92	0.91	1.03	1.43	1.21	0.68	0.46	0.28	0.17
121	4/29/2022	0.267813333		0.97	0.88	0.84	0.89	0.88	0.95	1.23	1.17	0.89	0.61	0.44	0.26
122	4/30/2022	0.279857778		1.03	0.90	0.87	0.84	0.85	0.85	0.91	1.01	0.78	0.50	0.48	0.37
123	5/1/2022	0.303746667		1.09	1.01	0.95	0.85	0.89	0.89	1.00	0.96	1.06	0.71	0.49	0.28
124	5/2/2022	0.292342222		1.08	1.01	0.92	0.82	0.81	0.92	1.05	0.84	0.57	0.36	0.26	0.10
125	5/3/2022	0.293782222		1.07	0.90	0.90	0.83	0.86	0.91	1.12	1.17	1.05	1.13	0.42	0.21
126	5/4/2022	0.29136		1.07	0.98	0.92	0.89	0.90	0.91	1.16	1.02	0.97	0.69	0.68	0.54
127	5/5/2022	0.279773333		1.07	0.97	0.92	0.88	0.86	0.92	1.20	1.19	0.88	0.65	0.54	0.40
128	5/6/2022	0.329213333		1.03	0.93	0.90	0.87	0.89	0.97	1.17	1.17	0.73	0.54	0.43	0.35
129	5/7/2022	0.275422222		1.15	1.06	1.03	0.94	0.92	0.89	0.98	1.12	0.96	0.75	0.79	0.70

	B	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
2	measurement date	13	14	15	16	17	18	19	20	21	22	23	24
98	4/6/2022	0.58	1.04	1.05	0.96	0.93	1.10	1.08	1.29	1.61	1.60	1.50	1.38
99	4/7/2022	0.23	0.27	0.26	0.32	0.34	0.59	1.06	1.31	1.82	1.82	1.57	1.46
100	4/8/2022	0.44	0.32	0.50	0.52	0.43	0.67	0.88	1.43	1.68	1.69	1.61	1.52
101	4/9/2022	1.08	1.27	1.06	0.87	1.09	1.35	1.27	1.64	1.94	1.88	1.66	1.55
102	4/10/2022	0.15	0.17	0.16	0.20	0.29	0.51	0.80	1.27	1.66	1.59	1.42	1.31
103	4/11/2022	0.58	0.68	0.43	0.56	0.99	1.31	1.51	1.60	1.65	1.47	1.32	1.14
104	4/12/2022	0.38	0.31	0.58	0.41	0.34	0.52	0.72	1.16	1.51	1.48	1.34	1.19
105	4/13/2022	0.28	0.28	0.66	0.70	0.77	0.51	0.80	1.21	1.49	1.49	1.37	1.14
106	4/14/2022	0.09	0.08	0.08	0.13	0.21	0.32	0.64	0.97	1.32	1.35	1.37	1.14
107	4/15/2022	0.09	0.11	0.11	0.21	0.37	0.65	1.04	1.15	1.33	1.40	1.34	1.14
108	4/16/2022	0.33	0.31	0.26	0.21	0.24	0.44	0.74	1.08	1.49	1.45	1.34	1.29
109	4/17/2022	0.24	0.30	0.29	0.34	0.45	0.56	0.66	1.12	1.71	1.71	1.57	1.38
110	4/18/2022	0.90	0.93	1.11	1.24	1.35	1.34	1.28	1.55	2.01	1.93	1.84	1.66
111	4/19/2022	0.38	0.31	0.31	0.35	0.39	0.55	0.73	1.17	1.60	1.72	1.57	1.39
112	4/20/2022	0.32	0.19	0.17	0.16	0.23	0.50	0.82	1.23	1.57	1.54	1.33	1.26
113	4/21/2022	0.51	0.50	0.55	0.83	0.63	0.54	0.71	0.99	1.46	1.52	1.27	1.14
114	4/22/2022	0.12	0.12	0.10	0.15	0.23	0.47	0.70	1.06	1.43	1.49	1.43	1.22
115	4/23/2022	0.16	0.18	0.17	0.24	0.27	0.51	0.94	1.40	1.75	1.73	1.55	1.40
116	4/24/2022	0.25	0.27	0.31	0.37	0.49	0.72	1.16	1.71	2.16	2.14	2.02	1.59
117	4/25/2022	0.54	0.41	0.51	0.87	0.68	0.95	1.31	1.50	1.72	1.79	1.44	1.20
118	4/26/2022	0.18	0.15	0.12	0.13	0.20	0.33	0.52	0.88	1.38	1.46	1.37	1.08
119	4/27/2022	0.09	0.09	0.08	0.10	0.17	0.29	0.65	1.06	1.48	1.54	1.37	1.10
120	4/28/2022	0.17	0.14	0.17	0.22	0.18	0.43	0.80	1.18	1.55	1.57	1.41	1.17
121	4/29/2022	0.15	0.14	0.11	0.12	0.36	0.42	0.70	1.18	1.32	1.38	1.22	1.13
122	4/30/2022	0.35	0.35	0.42	0.30	0.39	0.51	0.73	1.19	1.51	1.56	1.41	1.23
123	5/1/2022	0.21	0.19	0.15	0.15	0.29	0.51	0.82	1.37	1.82	1.83	1.60	1.33
124	5/2/2022	0.09	0.11	0.11	0.18	0.38	0.68	0.84	1.18	1.63	1.55	1.47	1.20
125	5/3/2022	0.30	0.42	0.34	0.80	0.50	0.72	0.91	1.35	1.73	1.73	1.53	1.28
126	5/4/2022	0.45	0.42	0.35	0.46	0.47	0.63	0.87	1.21	1.54	1.53	1.45	1.26
127	5/5/2022	0.43	0.36	0.46	0.47	0.61	0.99	1.15	1.34	1.51	1.48	1.28	1.13
128	5/6/2022	0.34	0.46	0.55	0.60	1.19	1.20	1.21	1.33	1.53	1.60	1.45	1.32
129	5/7/2022	0.59	0.59	0.73	0.87	0.83	1.07	0.90	1.16	1.43	1.44	1.35	1.17

	B	C	D	E	F	G	H	I	J	K
2	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145
130	5/8/2022	5	7	0.271804444	0.264968889	0.258328889	0.249435556	0.248133333	0.236684444	0.23944
131	5/9/2022	5	1	0.255884444	0.226582222	0.225017778	0.229857778	0.215782222	0.217297778	0.218528889
132	5/10/2022	5	2	0.289204444	0.265724444	0.257542222	0.25148	0.239306667	0.240924444	0.240048889
133	5/11/2022	5	3	0.391928889	0.377444444	0.362582222	0.344733333	0.330568889	0.318982222	0.311586667
134	5/12/2022	5	4	0.395382222	0.384653333	0.341337778	0.340848889	0.327888889	0.336182222	0.308853333
135	5/13/2022	5	5	0.35648	0.354591111	0.34356	0.316657778	0.311875556	0.29116	0.290666667
136	5/14/2022	5	6	0.399128889	0.405813333	0.392324444	0.377248889	0.344786667	0.340515556	0.331106667
137	5/15/2022	5	7	0.311049327	0.31526009	0.308753363	0.28704	0.284177778	0.282804444	0.293146667
138	5/16/2022	5	1	0.382933333	0.363266667	0.34284	0.32852	0.339551111	0.317048889	0.313942222
139	5/17/2022	5	2	0.295746667	0.300937778	0.293342222	0.277564444	0.25924	0.251893333	0.253271111
140	5/18/2022	5	3	0.314271111	0.321102222	0.303848889	0.274528889	0.266453333	0.260973333	0.253928889
141	5/19/2022	5	4	0.297182243	0.303116822	0.281742991	0.275266667	0.27852	0.255982222	0.243262222
142	5/20/2022	5	5	0.283728889	0.269093333	0.261271111	0.258906667	0.242951111	0.232448889	0.245622222
143	5/21/2022	5	6	0.486355556	0.470862222	0.462835556	0.455062222	0.413733333	0.39256	0.375915556
144	5/22/2022	5	7	0.342551111	0.315804444	0.312404444	0.305915556	0.298386667	0.273346667	0.271337778
145	5/23/2022	5	1	0.279208889	0.264951111	0.256342222	0.24236	0.233951111	0.241426667	0.229893333
146	5/24/2022	5	2	0.268524444	0.27616	0.260293333	0.247142222	0.242853333	0.245693333	0.242911111
147	5/25/2022	5	3	0.307475556	0.311066667	0.312933333	0.284035556	0.282782222	0.28348	0.274862222
148	5/26/2022	5	4	0.425248889	0.396568889	0.387773333	0.36704	0.357302222	0.337462222	0.318257778
149	5/27/2022	5	5	0.28928	0.290435556	0.264564444	0.265422222	0.2716	0.279657778	0.275688889
150	5/28/2022	5	6	0.286835556	0.277013333	0.260017778	0.270875556	0.283271111	0.253666667	0.260004444
151	5/29/2022	5	7	0.354177778	0.334555556	0.318444444	0.306013333	0.299613333	0.285275556	0.285866667
152	5/30/2022	5	1	0.356986667	0.352511111	0.344942222	0.319462222	0.334115556	0.316071111	0.31748
153	5/31/2022	5	2	0.492893333	0.468342222	0.443071111	0.424226667	0.436817778	0.410186667	0.391511111
154	6/1/2022	6	3	0.517	0.49424	0.488546667	0.461435556	0.445342222	0.430048889	0.417977778
155	6/2/2022	6	4	0.52328	0.499586667	0.468235556	0.467897778	0.421271111	0.446848889	0.431311111
156	6/3/2022	6	5	0.343351111	0.338377778	0.328253333	0.285942222	0.27764	0.290955556	0.278124444
157	6/4/2022	6	6	0.376448889	0.351275556	0.332613333	0.313777778	0.321093333	0.315826667	0.294657778
158	6/5/2022	6	7	0.364142222	0.342746667	0.330097778	0.326982222	0.315724444	0.318115556	0.316751111
159	6/6/2022	6	1	0.422391111	0.389666667	0.379724444	0.350537778	0.32716	0.315293333	0.327533333
160	6/7/2022	6	2	0.336266667	0.324764444	0.324946667	0.30592	0.300622222	0.283133333	0.283853333
161	6/8/2022	6	3	0.400026667	0.38348	0.369666667	0.370835556	0.330604444	0.330933333	0.333764444

	B	L	M	N	O	P	Q	R	S
2	measurement date	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330	D_0345
130	5/8/2022	0.235493333	0.220742222	0.237533333	0.22804	0.245124444	0.247355556	0.22388	0.224835556
131	5/9/2022	0.214182222	0.21076	0.213955556	0.208231111	0.208271111	0.209373333	0.214982222	0.214142222
132	5/10/2022	0.229044444	0.238364444	0.222195556	0.223675556	0.233191111	0.222817778	0.224368889	0.21936
133	5/11/2022	0.286973333	0.298653333	0.287124444	0.290106667	0.282764444	0.278653333	0.279084444	0.280631111
134	5/12/2022	0.289111111	0.277275556	0.284822222	0.274115556	0.256506667	0.251888889	0.248408889	0.247862222
135	5/13/2022	0.276244444	0.2778	0.261111111	0.271071111	0.266524444	0.249488889	0.270648889	0.257311111
136	5/14/2022	0.323044444	0.322933333	0.316711111	0.324653333	0.298648889	0.307884444	0.296582222	0.28096
137	5/15/2022	0.261777778	0.252066667	0.252328889	0.272217778	0.255222222	0.262791111	0.250008889	0.240871111
138	5/16/2022	0.31156	0.317591111	0.288777778	0.303288889	0.275604444	0.259884444	0.272826667	0.262137778
139	5/17/2022	0.252062222	0.24564	0.243146667	0.225715556	0.225462222	0.231977778	0.223128889	0.226475556
140	5/18/2022	0.239404444	0.247711111	0.235666667	0.23256	0.238395556	0.228848889	0.236177778	0.223586667
141	5/19/2022	0.237942222	0.232626667	0.225817778	0.22548	0.221524444	0.230084444	0.219066667	0.209728889
142	5/20/2022	0.232635556	0.221506667	0.252742222	0.242644444	0.246586667	0.242382222	0.247315556	0.227831111
143	5/21/2022	0.360871111	0.365391111	0.361848889	0.348782222	0.336204444	0.324177778	0.316457778	0.319933333
144	5/22/2022	0.261275556	0.265266667	0.25728	0.246506667	0.250062222	0.255235556	0.259511111	0.265515556
145	5/23/2022	0.232302222	0.228417778	0.222155556	0.212906667	0.208657778	0.214235556	0.220222222	0.210777778
146	5/24/2022	0.240804444	0.236671111	0.219591111	0.22596	0.227688889	0.23204	0.224475556	0.215177778
147	5/25/2022	0.278546667	0.26464	0.258626667	0.246986667	0.246768889	0.248244444	0.240862222	0.233777778
148	5/26/2022	0.324084444	0.310351111	0.315017778	0.32672	0.313786667	0.304573333	0.290902222	0.283951111
149	5/27/2022	0.252448889	0.246333333	0.242444444	0.254124444	0.243168889	0.244844444	0.230551111	0.232604444
150	5/28/2022	0.26556	0.253675556	0.2564	0.247355556	0.238484444	0.239431111	0.240568889	0.231755556
151	5/29/2022	0.267022222	0.259644444	0.255137778	0.25436	0.245524444	0.238693333	0.234155556	0.238924444
152	5/30/2022	0.302986667	0.287804444	0.278955556	0.281813333	0.259973333	0.254466667	0.257622222	0.2598
153	5/31/2022	0.375702222	0.38144	0.375742222	0.369906667	0.373684444	0.354413333	0.349946667	0.328982222
154	6/1/2022	0.421826667	0.413071111	0.407493333	0.400497778	0.391297778	0.376066667	0.379026667	0.350262222
155	6/2/2022	0.406613333	0.381364444	0.373053333	0.364142222	0.355048889	0.346502222	0.333257778	0.334493333
156	6/3/2022	0.268195556	0.271804444	0.276182222	0.266031111	0.256608889	0.258346667	0.262173333	0.24452
157	6/4/2022	0.281573333	0.283724444	0.278853333	0.263373333	0.265635556	0.268995556	0.270155556	0.255826667
158	6/5/2022	0.300995556	0.292026667	0.27748	0.263466667	0.258168889	0.254497778	0.259062222	0.255582222
159	6/6/2022	0.312386667	0.334782222	0.307662222	0.30464	0.285733333	0.291906667	0.298191111	0.292804444
160	6/7/2022	0.272511111	0.262888889	0.273484444	0.269755556	0.262933333	0.251866667	0.249217778	0.248071111
161	6/8/2022	0.325373333	0.313044444	0.283244444	0.280035556	0.27188	0.277897778	0.291688889	0.273026667

	B	T	U	V	W	X	Y	Z	AA
2	measurement date	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545
130	5/8/2022	0.233933333	0.227253333	0.231448889	0.2324	0.231368889	0.236213333	0.254035556	0.261262222
131	5/9/2022	0.209702222	0.202257778	0.20528	0.210706667	0.209564444	0.204573333	0.209164444	0.218404444
132	5/10/2022	0.224724444	0.224204444	0.207484444	0.213608889	0.226008889	0.235488889	0.226084444	0.228106667
133	5/11/2022	0.274857778	0.260364444	0.260297778	0.284862222	0.282457778	0.271146667	0.276773333	0.271204444
134	5/12/2022	0.251186667	0.259155556	0.23968	0.230231111	0.229217778	0.2348	0.247462222	0.271728889
135	5/13/2022	0.2578	0.257395556	0.245728889	0.251266667	0.24688	0.24428	0.235404444	0.237066667
136	5/14/2022	0.286511111	0.277328889	0.267671111	0.255253333	0.265577778	0.249968889	0.242266667	0.252128889
137	5/15/2022	0.244026667	0.236608889	0.230595556	0.227377778	0.220324444	0.235751111	0.225493333	0.230968889
138	5/16/2022	0.2608	0.252804444	0.25756	0.260742222	0.250666667	0.252368889	0.25248	0.259711111
139	5/17/2022	0.214768889	0.232688889	0.216017778	0.213355556	0.201995556	0.211417778	0.220817778	0.216204444
140	5/18/2022	0.233902222	0.222684444	0.217395556	0.244377778	0.237853333	0.240155556	0.225577778	0.244333333
141	5/19/2022	0.221995556	0.214933333	0.217657778	0.216453333	0.207542222	0.229693333	0.213928889	0.228355556
142	5/20/2022	0.226031111	0.239951111	0.222555556	0.240213333	0.253755556	0.237666667	0.245084444	0.24896
143	5/21/2022	0.319115556	0.305666667	0.310262222	0.320968889	0.316524444	0.314782222	0.316586667	0.302013333
144	5/22/2022	0.257648889	0.239346667	0.242386667	0.243173333	0.239275556	0.237364444	0.242333333	0.229497778
145	5/23/2022	0.213431111	0.217675556	0.2106	0.214555556	0.220862222	0.224688889	0.235093333	0.24092
146	5/24/2022	0.208426667	0.213248889	0.207151111	0.2244	0.23244	0.231742222	0.233115556	0.250106667
147	5/25/2022	0.227977778	0.219515556	0.224391111	0.221164444	0.230351111	0.230226667	0.238653333	0.247364444
148	5/26/2022	0.297266667	0.298008889	0.309471111	0.301764444	0.308973333	0.289746667	0.281288889	0.29488
149	5/27/2022	0.227995556	0.22828	0.224284444	0.218368889	0.217253333	0.226146667	0.222457778	0.227751111
150	5/28/2022	0.241751111	0.231844444	0.223844444	0.224622222	0.232017778	0.224115556	0.236195556	0.237733333
151	5/29/2022	0.24356	0.240013333	0.2376	0.243364444	0.226875556	0.2436	0.222311111	0.235862222
152	5/30/2022	0.254364444	0.251604444	0.244382222	0.251288889	0.246026667	0.243688889	0.250337778	0.252128889
153	5/31/2022	0.330346667	0.321248889	0.325991111	0.323648889	0.313715556	0.322306667	0.307768889	0.298453333
154	6/1/2022	0.360235556	0.328724444	0.336857778	0.32148	0.316288889	0.309626667	0.315133333	0.318693333
155	6/2/2022	0.325408889	0.336586667	0.328937778	0.322622222	0.314675556	0.3288	0.312471111	0.309591111
156	6/3/2022	0.238711111	0.246697778	0.232635556	0.233946667	0.235533333	0.245128889	0.246755556	0.246564444
157	6/4/2022	0.251617778	0.249951111	0.239555556	0.238911111	0.230533333	0.22436	0.233142222	0.243528889
158	6/5/2022	0.252844444	0.245373333	0.252911111	0.251862222	0.232115556	0.233111111	0.23	0.238257778
159	6/6/2022	0.278853333	0.277106667	0.280506667	0.283853333	0.270497778	0.272866667	0.286937778	0.269733333
160	6/7/2022	0.237222222	0.236422222	0.229444444	0.235991111	0.240586667	0.227617778	0.252111111	0.235511111
161	6/8/2022	0.261795556	0.263782222	0.260608889	0.262217778	0.259306667	0.245551111	0.257817778	0.264342222

	B	AB	AC	AD	AE	AF	AG	AH	AI
2	measurement date	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730	D_0745
130	5/8/2022	0.2632	0.252284444	0.256808889	0.266235556	0.268328889	0.260537778	0.249137778	0.223524444
131	5/9/2022	0.241368889	0.261208889	0.285431111	0.26772	0.275648889	0.239053333	0.205053333	0.202408889
132	5/10/2022	0.229977778	0.233515556	0.284444444	0.27188	0.276368889	0.272093333	0.260506667	0.21412
133	5/11/2022	0.272582222	0.288564444	0.308688889	0.309053333	0.321773333	0.331506667	0.297226667	0.279395556
134	5/12/2022	0.273995556	0.264462222	0.289791111	0.28076	0.278751111	0.244502222	0.215755556	0.182666667
135	5/13/2022	0.266622222	0.2662	0.276768889	0.294826667	0.288071111	0.259355556	0.264444444	0.234257778
136	5/14/2022	0.243622222	0.256217778	0.260324444	0.244404444	0.212528889	0.201244444	0.217168889	0.195662222
137	5/15/2022	0.225102222	0.23228	0.224164444	0.227075556	0.202444444	0.164306667	0.157084444	0.124937778
138	5/16/2022	0.271964444	0.2778	0.296168889	0.323791111	0.332608889	0.280951111	0.247075556	0.225528889
139	5/17/2022	0.23432	0.266048889	0.25304	0.258755556	0.235866667	0.220488889	0.198791111	0.1832
140	5/18/2022	0.259555556	0.266115556	0.287306667	0.284137778	0.27548	0.272004444	0.314773333	0.308706667
141	5/19/2022	0.234008889	0.262586667	0.288293333	0.27056	0.281968889	0.259951111	0.239315556	0.212302222
142	5/20/2022	0.251408889	0.254035556	0.274488889	0.265484444	0.290844444	0.273395556	0.25644	0.23112
143	5/21/2022	0.3144	0.297888889	0.294568889	0.302488889	0.287333333	0.250475556	0.23396	0.247044444
144	5/22/2022	0.230262222	0.237951111	0.252253333	0.272048889	0.259208889	0.249297778	0.240937778	0.255435556
145	5/23/2022	0.240973333	0.255262222	0.274093333	0.254835556	0.265973333	0.235853333	0.225773333	0.197297778
146	5/24/2022	0.247222222	0.272595556	0.294524444	0.281333333	0.24752	0.219951111	0.202173333	0.177542222
147	5/25/2022	0.267102222	0.271888889	0.280804444	0.269631111	0.259124444	0.248097778	0.224373333	0.224995556
148	5/26/2022	0.296235556	0.290422222	0.324426667	0.320817778	0.323924444	0.312991111	0.315093333	0.3002
149	5/27/2022	0.250471111	0.251328889	0.273991111	0.257546667	0.27688	0.238995556	0.221204444	0.203035556
150	5/28/2022	0.229635556	0.222297778	0.240186667	0.236662222	0.222528889	0.204577778	0.184653333	0.194488889
151	5/29/2022	0.226631111	0.212395556	0.226328889	0.216004444	0.187373333	0.170297778	0.176911111	0.155257778
152	5/30/2022	0.245511111	0.236222222	0.262866667	0.238262222	0.234951111	0.212995556	0.183026667	0.185155556
153	5/31/2022	0.315786667	0.337964444	0.327568889	0.292413333	0.303302222	0.2912	0.282168889	0.253862222
154	6/1/2022	0.325751111	0.328391111	0.334968889	0.306191111	0.301275556	0.300573333	0.282951111	0.279853333
155	6/2/2022	0.346333333	0.334533333	0.334582222	0.32016	0.323888889	0.295124444	0.258293333	0.286977778
156	6/3/2022	0.254951111	0.255377778	0.253511111	0.242488889	0.246017778	0.216373333	0.205511111	0.164204444
157	6/4/2022	0.229448889	0.244546667	0.249111111	0.215448889	0.204426667	0.178155556	0.167835556	0.156733333
158	6/5/2022	0.231697778	0.245657778	0.235706667	0.217848889	0.186142222	0.175733333	0.17924	0.140604444
159	6/6/2022	0.268675556	0.28864	0.299302222	0.28764	0.27488	0.229662222	0.202368889	0.212897778
160	6/7/2022	0.245724444	0.292586667	0.306377778	0.296213333	0.277008889	0.293435556	0.276675556	0.291968889
161	6/8/2022	0.261484444	0.2776	0.280346667	0.264133333	0.23808	0.233733333	0.195008889	0.198777778

	B	AJ	AK	AL	AM	AN	AO	AP	AQ
2	measurement date	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945
130	5/8/2022	0.220084444	0.195373333	0.171115556	0.158466667	0.154177778	0.143444444	0.111142222	0.093653333
131	5/9/2022	0.193302222	0.178053333	0.163257778	0.138106667	0.120737778	0.116666667	0.094164444	0.089653333
132	5/10/2022	0.151675556	0.136982222	0.129706667	0.122173333	0.109368889	0.114053333	0.101293333	0.070977778
133	5/11/2022	0.257964444	0.243871111	0.231257778	0.215022222	0.175715556	0.149568889	0.126653333	0.124697778
134	5/12/2022	0.170328889	0.156417778	0.13804	0.111533333	0.086755556	0.092431111	0.076595556	0.082035556
135	5/13/2022	0.205528889	0.181293333	0.173364444	0.150244444	0.134764444	0.130826667	0.118488889	0.102768889
136	5/14/2022	0.217622222	0.213791111	0.179982222	0.162093333	0.154755556	0.167564444	0.159444444	0.145524444
137	5/15/2022	0.123937778	0.12856	0.148586667	0.174862222	0.143093333	0.110115556	0.106346667	0.096391111
138	5/16/2022	0.215577778	0.248253333	0.228453333	0.187728889	0.15988	0.126626667	0.094964444	0.097208889
139	5/17/2022	0.153164444	0.129346667	0.120702222	0.126297778	0.118382222	0.095182222	0.078257778	0.084528889
140	5/18/2022	0.296422222	0.274306667	0.246133333	0.205866667	0.171942222	0.199271111	0.179893333	0.127417778
141	5/19/2022	0.185	0.195506667	0.193466667	0.166795556	0.169968889	0.167124444	0.187297778	0.172133333
142	5/20/2022	0.218862222	0.206026667	0.181631111	0.158577778	0.120515556	0.111613333	0.082915556	0.096697778
143	5/21/2022	0.225488889	0.225115556	0.241217778	0.197084444	0.205493333	0.207493333	0.177413333	0.156337778
144	5/22/2022	0.25228	0.244257778	0.27064	0.262702222	0.2764	0.288324444	0.275653333	0.233013333
145	5/23/2022	0.188995556	0.163786667	0.16688	0.156577778	0.160373333	0.1464	0.16628	0.157164444
146	5/24/2022	0.154013333	0.149831111	0.128977778	0.102604444	0.089417778	0.085808889	0.065986667	0.066808889
147	5/25/2022	0.184133333	0.166773333	0.135782222	0.129075556	0.144	0.142831111	0.127426667	0.087057778
148	5/26/2022	0.238746667	0.22632	0.24236	0.25208	0.238386667	0.235688889	0.221044444	0.207071111
149	5/27/2022	0.179053333	0.154951111	0.131017778	0.134506667	0.18684	0.146742222	0.144315556	0.126244444
150	5/28/2022	0.17724	0.154306667	0.141284444	0.154613333	0.143311111	0.125133333	0.104862222	0.103666667
151	5/29/2022	0.155191111	0.144791111	0.120275556	0.130493333	0.111262222	0.114817778	0.090333333	0.086177778
152	5/30/2022	0.192635556	0.190622222	0.174328889	0.166364444	0.175142222	0.16448	0.156817778	0.146426667
153	5/31/2022	0.244804444	0.234102222	0.242435556	0.214844444	0.194737778	0.17192	0.169946667	0.152133333
154	6/1/2022	0.260248889	0.238462222	0.231266667	0.203702222	0.161786667	0.15656	0.166368889	0.139515556
155	6/2/2022	0.256471111	0.229488889	0.2342	0.238582222	0.216471111	0.216582222	0.230488889	0.194333333
156	6/3/2022	0.180746667	0.1546	0.149715556	0.12268	0.136164444	0.123742222	0.106008889	0.091862222
157	6/4/2022	0.165942222	0.170733333	0.137746667	0.109911111	0.114453333	0.102573333	0.0994	0.088808889
158	6/5/2022	0.115253333	0.116951111	0.144026667	0.118426667	0.111048889	0.116413333	0.104142222	0.096413333
159	6/6/2022	0.206275556	0.170111111	0.194302222	0.174728889	0.143328889	0.137368889	0.114617778	0.097235556
160	6/7/2022	0.264364444	0.208724444	0.187826667	0.20092	0.183977778	0.133706667	0.114591111	0.116528889
161	6/8/2022	0.173857778	0.164382222	0.150226667	0.112822222	0.137346667	0.130053333	0.119982222	0.113195556

	B	AR	AS	AT	AU	AV	AW	AX	AY
2	measurement date	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
130	5/8/2022	0.081897778	0.0866	0.077351111	0.089724444	0.089742222	0.072373333	0.057822222	0.052253333
131	5/9/2022	0.075582222	0.064297778	0.058484444	0.04688	0.042675556	0.033942222	0.024191111	0.024062222
132	5/10/2022	0.095671111	0.086355556	0.081124444	0.083737778	0.082	0.076057778	0.061737778	0.053337778
133	5/11/2022	0.109324444	0.119017778	0.1146	0.105226667	0.09876	0.088591111	0.111151111	0.072244444
134	5/12/2022	0.096382222	0.069288889	0.062164444	0.054231111	0.05208	0.046497778	0.040222222	0.033515556
135	5/13/2022	0.083768889	0.073991111	0.058773333	0.062391111	0.058671111	0.069351111	0.050115556	0.051213333
136	5/14/2022	0.141644444	0.112373333	0.113137778	0.110062222	0.123164444	0.097844444	0.085528889	0.088946667
137	5/15/2022	0.089013333	0.085337778	0.092097778	0.084293333	0.078066667	0.080582222	0.070431111	0.084062222
138	5/16/2022	0.096817778	0.084666667	0.069711111	0.084657778	0.062142222	0.045862222	0.043688889	0.039124444
139	5/17/2022	0.087466667	0.074613333	0.062226667	0.061826667	0.048413333	0.039093333	0.050275556	0.0552
140	5/18/2022	0.152235556	0.110262222	0.085915556	0.078662222	0.068097778	0.077057778	0.083533333	0.057431111
141	5/19/2022	0.137057778	0.117017778	0.103417778	0.111151111	0.113475556	0.083115556	0.076226667	0.071208889
142	5/20/2022	0.094248889	0.079342222	0.074022222	0.068351111	0.080693333	0.061622222	0.065106667	0.08096
143	5/21/2022	0.161168889	0.110111111	0.125893333	0.12468	0.111342222	0.098804444	0.082444444	0.096991111
144	5/22/2022	0.218364444	0.248857778	0.250195556	0.233355556	0.202275556	0.17796	0.167355556	0.15304
145	5/23/2022	0.135351111	0.128871111	0.142684444	0.14	0.127533333	0.119044444	0.100942222	0.105382222
146	5/24/2022	0.04888	0.056217778	0.04672	0.039191111	0.04212	0.035955556	0.04164	0.028337778
147	5/25/2022	0.12348	0.117524444	0.088404444	0.049497778	0.036155556	0.035835556	0.031075556	0.038848889
148	5/26/2022	0.177662222	0.189253333	0.150693333	0.155297778	0.127022222	0.158715556	0.149337778	0.133546667
149	5/27/2022	0.127155556	0.133591111	0.143195556	0.142404444	0.138551111	0.136524444	0.097631111	0.078551111
150	5/28/2022	0.103777778	0.10532	0.090657778	0.08624	0.081733333	0.101546667	0.093653333	0.078591111
151	5/29/2022	0.070186667	0.080626667	0.084377778	0.081151111	0.065902222	0.053506667	0.059057778	0.055662222
152	5/30/2022	0.141155556	0.1374	0.11284	0.110031111	0.114088889	0.104155556	0.089177778	0.080448889
153	5/31/2022	0.139173333	0.128377778	0.129808889	0.119848889	0.112911111	0.095106667	0.093857778	0.098968889
154	6/1/2022	0.142284444	0.1282	0.132457778	0.119377778	0.114515556	0.098008889	0.102977778	0.109368889
155	6/2/2022	0.197502222	0.192093333	0.168253333	0.230186667	0.284142222	0.268733333	0.173471111	0.144346667
156	6/3/2022	0.090924444	0.081982222	0.069653333	0.058124444	0.056555556	0.063457778	0.055831111	0.049048889
157	6/4/2022	0.074057778	0.068871111	0.068635556	0.053502222	0.049728889	0.046533333	0.05252	0.048075556
158	6/5/2022	0.092564444	0.082466667	0.091693333	0.081697778	0.079151111	0.066413333	0.046968889	0.052328889
159	6/6/2022	0.11376	0.138431111	0.156488889	0.137582222	0.114111111	0.098133333	0.097511111	0.084728889
160	6/7/2022	0.128604444	0.111226667	0.146315556	0.104004444	0.102346667	0.119733333	0.130097778	0.119231111
161	6/8/2022	0.089995556	0.085568889	0.104706667	0.081013333	0.057142222	0.069511111	0.049711111	0.05448

	B	AZ	BA	BB	BC	BD	BE	BF	BG
2	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345
130	5/8/2022	0.041502222	0.039377778	0.036208889	0.028071111	0.026822222	0.030728889	0.040871111	0.042711111
131	5/9/2022	0.025955556	0.016368889	0.015888889	0.020471111	0.026595556	0.022733333	0.019773333	0.019728889
132	5/10/2022	0.046782222	0.038982222	0.032373333	0.033808889	0.040124444	0.040537778	0.039555556	0.042417778
133	5/11/2022	0.047408889	0.0596	0.060128889	0.061111111	0.058822222	0.053795556	0.064742222	0.079902222
134	5/12/2022	0.029835556	0.038004444	0.041208889	0.037688889	0.03684	0.041631111	0.03876	0.045102222
135	5/13/2022	0.042528889	0.034168889	0.03084	0.038204444	0.040431111	0.049435556	0.041377778	0.041088889
136	5/14/2022	0.103146667	0.134582222	0.166395556	0.185364444	0.205555556	0.182146667	0.196053333	0.199231111
137	5/15/2022	0.097568889	0.075604444	0.061684444	0.061773333	0.071133333	0.082022222	0.095897778	0.096617778
138	5/16/2022	0.041404444	0.038342222	0.029853333	0.02536	0.034635556	0.039786667	0.038595556	0.05764
139	5/17/2022	0.050826667	0.044875556	0.044466667	0.030977778	0.028066667	0.034395556	0.047795556	0.045933333
140	5/18/2022	0.065191111	0.056848889	0.03624	0.055186667	0.101728889	0.104235556	0.072782222	0.065742222
141	5/19/2022	0.07836	0.080151111	0.065497778	0.068995556	0.0646	0.065662222	0.069031111	0.05752
142	5/20/2022	0.070631111	0.073293333	0.075382222	0.063497778	0.060706667	0.060471111	0.070591111	0.068586667
143	5/21/2022	0.121555556	0.149813333	0.197111111	0.230128889	0.194231111	0.194111111	0.197568889	0.198075556
144	5/22/2022	0.125057778	0.126235556	0.110457778	0.081933333	0.080488889	0.111071111	0.158248889	0.186546667
145	5/23/2022	0.112084444	0.103217778	0.106524444	0.123231111	0.123355556	0.103075556	0.100075556	0.113591111
146	5/24/2022	0.02448	0.021271111	0.026204444	0.025924444	0.038555556	0.044493333	0.04436	0.029773333
147	5/25/2022	0.05716	0.053822222	0.055213333	0.057195556	0.064648889	0.085751111	0.061924444	0.082351111
148	5/26/2022	0.147275556	0.148448889	0.095786667	0.118106667	0.12308	0.214004444	0.227648889	0.182084444
149	5/27/2022	0.077293333	0.066933333	0.100311111	0.111951111	0.0878	0.098382222	0.102493333	0.099337778
150	5/28/2022	0.068755556	0.059942222	0.063782222	0.093853333	0.097635556	0.067884444	0.064297778	0.055044444
151	5/29/2022	0.045715556	0.056435556	0.074422222	0.079262222	0.061257778	0.061275556	0.067173333	0.069044444
152	5/30/2022	0.085902222	0.08812	0.087608889	0.08732	0.095577778	0.110057778	0.142675556	0.156933333
153	5/31/2022	0.097671111	0.086475556	0.096644444	0.102488889	0.130671111	0.144475556	0.154088889	0.137991111
154	6/1/2022	0.136942222	0.161688889	0.186013333	0.187026667	0.158088889	0.150133333	0.164457778	0.180711111
155	6/2/2022	0.140537778	0.128133333	0.12364	0.139755556	0.105413333	0.108786667	0.101035556	0.090884444
156	6/3/2022	0.04732	0.035862222	0.043	0.045075556	0.048808889	0.040564444	0.044702222	0.042724444
157	6/4/2022	0.053955556	0.043102222	0.03992	0.04784	0.048191111	0.048826667	0.060782222	0.077648889
158	6/5/2022	0.052426667	0.052688889	0.049422222	0.045368889	0.05112	0.070337778	0.084093333	0.088128889
159	6/6/2022	0.181502222	0.254053333	0.305475556	0.371924444	0.324853333	0.215368889	0.092217778	0.074808889
160	6/7/2022	0.081675556	0.083946667	0.126648889	0.119133333	0.076386667	0.126968889	0.132546667	0.096764444
161	6/8/2022	0.08264	0.087186667	0.089528889	0.116706667	0.105133333	0.097764444	0.095995556	0.103515556

	B	BH	BI	BJ	BK	BL	BM	BN	BO
2	measurement date	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545
130	5/8/2022	0.035977778	0.028275556	0.030666667	0.03256	0.02112	0.029582222	0.03068	0.037
131	5/9/2022	0.027328889	0.023644444	0.02284	0.024826667	0.021235556	0.029142222	0.028875556	0.036422222
132	5/10/2022	0.050777778	0.044017778	0.0488	0.058684444	0.068093333	0.085706667	0.087937778	0.086791111
133	5/11/2022	0.090355556	0.0976	0.116297778	0.12448	0.112595556	0.12152	0.131142222	0.135088889
134	5/12/2022	0.041244444	0.0416	0.044746667	0.044871111	0.06188	0.053546667	0.063355556	0.080693333
135	5/13/2022	0.042977778	0.048142222	0.054613333	0.061826667	0.058142222	0.082737778	0.074302222	0.089404444
136	5/14/2022	0.202666667	0.2126	0.211737778	0.219746667	0.194115556	0.153293333	0.161622222	0.173293333
137	5/15/2022	0.070142222	0.069408889	0.071351111	0.079004444	0.083848889	0.090973333	0.101488889	0.103782222
138	5/16/2022	0.054382222	0.061582222	0.064444444	0.066115556	0.08368	0.070093333	0.09	0.107702222
139	5/17/2022	0.041466667	0.062524444	0.044302222	0.053675556	0.063462222	0.065253333	0.066351111	0.081506667
140	5/18/2022	0.062084444	0.069857778	0.064724444	0.102115556	0.113035556	0.106395556	0.177448889	0.180728889
141	5/19/2022	0.068533333	0.057426667	0.049146667	0.065888889	0.072302222	0.070586667	0.073231111	0.082573333
142	5/20/2022	0.06544	0.067075556	0.065235556	0.065582222	0.069942222	0.079817778	0.085928889	0.101506667
143	5/21/2022	0.278053333	0.418675556	0.553982222	0.553693333	0.547244444	0.522048889	0.489408889	0.461311111
144	5/22/2022	0.162022222	0.147675556	0.142404444	0.130257778	0.134337778	0.151906667	0.117777778	0.139542222
145	5/23/2022	0.100088889	0.099546667	0.093204444	0.081311111	0.079715556	0.084862222	0.082195556	0.080093333
146	5/24/2022	0.027933333	0.023906667	0.030533333	0.034595556	0.036075556	0.053946667	0.049124444	0.040515556
147	5/25/2022	0.095844444	0.112977778	0.113871111	0.097297778	0.104822222	0.107831111	0.114973333	0.160662222
148	5/26/2022	0.174351111	0.233177778	0.226982222	0.210333333	0.182826667	0.143315556	0.087502222	0.135822222
149	5/27/2022	0.067768889	0.074426667	0.076208889	0.115666667	0.131097778	0.109817778	0.099955556	0.12996
150	5/28/2022	0.05328	0.055155556	0.052711111	0.064488889	0.085057778	0.10072	0.099791111	0.129017778
151	5/29/2022	0.06272	0.053515556	0.065195556	0.065035556	0.057786667	0.066097778	0.077862222	0.090017778
152	5/30/2022	0.139213333	0.161666667	0.169084444	0.161986667	0.175991111	0.17932	0.181213333	0.167684444
153	5/31/2022	0.143822222	0.160982222	0.143853333	0.143715556	0.15224	0.195617778	0.210373333	0.208871111
154	6/1/2022	0.175133333	0.136337778	0.141968889	0.143911111	0.13304	0.153222222	0.161284444	0.187564444
155	6/2/2022	0.080022222	0.101062222	0.122017778	0.104146667	0.094151111	0.092746667	0.131382222	0.171631111
156	6/3/2022	0.047462222	0.054653333	0.068222222	0.065128889	0.061715556	0.073528889	0.071128889	0.085622222
157	6/4/2022	0.077315556	0.067488889	0.077093333	0.083951111	0.076453333	0.07108	0.072244444	0.072951111
158	6/5/2022	0.094595556	0.108413333	0.094804444	0.115382222	0.119613333	0.128435556	0.121951111	0.129742222
159	6/6/2022	0.0644	0.059137778	0.075786667	0.071933333	0.090955556	0.143848889	0.234355556	0.329368889
160	6/7/2022	0.162297778	0.178017778	0.119146667	0.130573333	0.142897778	0.155782222	0.178	0.16532
161	6/8/2022	0.135608889	0.229048889	0.34392	0.264755556	0.224231111	0.295155556	0.256586667	0.28404

	B	BP	BQ	BR	BS	BT	BU	BV	BW
2	measurement date	D_1600	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745
130	5/8/2022	0.039902222	0.032	0.044951111	0.060515556	0.0698	0.094266667	0.101915556	0.143408889
131	5/9/2022	0.042293333	0.062751111	0.070635556	0.072475556	0.077031111	0.101715556	0.116871111	0.152644444
132	5/10/2022	0.07816	0.099942222	0.123697778	0.141915556	0.160137778	0.179964444	0.2118	0.237031111
133	5/11/2022	0.149248889	0.145057778	0.166862222	0.181782222	0.182088889	0.21764	0.252355556	0.305177778
134	5/12/2022	0.10656	0.122546667	0.142044444	0.156097778	0.171208889	0.188884444	0.214048889	0.260204444
135	5/13/2022	0.104373333	0.133151111	0.158048889	0.161031111	0.15236	0.195702222	0.224288889	0.261955556
136	5/14/2022	0.137462222	0.139977778	0.123964444	0.163755556	0.213088889	0.190035556	0.18872	0.223893333
137	5/15/2022	0.108048889	0.11752	0.138866667	0.170213333	0.194617778	0.225613333	0.258724444	0.283448889
138	5/16/2022	0.12772	0.117008889	0.135155556	0.1466	0.162937778	0.17876	0.184271111	0.192208889
139	5/17/2022	0.078688889	0.080497778	0.090906667	0.112075556	0.114444444	0.165822222	0.199497778	0.196306667
140	5/18/2022	0.141111111	0.204964444	0.258253333	0.305724444	0.311177778	0.330128889	0.355644444	0.357506667
141	5/19/2022	0.097137778	0.115115556	0.150026667	0.18432	0.203764444	0.225955556	0.263177778	0.276564444
142	5/20/2022	0.108857778	0.120022222	0.111377778	0.144142222	0.170391111	0.23288	0.2634	0.29692
143	5/21/2022	0.424302222	0.337937778	0.326537778	0.333435556	0.338693333	0.37588	0.417133333	0.533062222
144	5/22/2022	0.174448889	0.138755556	0.127848889	0.140328889	0.160075556	0.172213333	0.174644444	0.181782222
145	5/23/2022	0.117817778	0.134582222	0.175257778	0.176626667	0.178208889	0.230871111	0.23896	0.221262222
146	5/24/2022	0.049755556	0.066933333	0.081333333	0.083782222	0.068368889	0.101275556	0.108417778	0.158364444
147	5/25/2022	0.197533333	0.278457778	0.316408889	0.265608889	0.235688889	0.301648889	0.477475556	0.428533333
148	5/26/2022	0.162782222	0.187533333	0.221102222	0.287502222	0.31984	0.37032	0.381524444	0.384142222
149	5/27/2022	0.156293333	0.184404444	0.235044444	0.25092	0.259146667	0.243626667	0.224982222	0.185702222
150	5/28/2022	0.123706667	0.10824	0.112706667	0.123071111	0.128791111	0.128053333	0.165408889	0.191271111
151	5/29/2022	0.10048	0.115555556	0.124577778	0.136084444	0.143008889	0.1774	0.215497778	0.224386667
152	5/30/2022	0.174862222	0.207035556	0.223177778	0.243111111	0.253666667	0.264791111	0.28672	0.319417778
153	5/31/2022	0.205413333	0.250991111	0.258991111	0.272435556	0.316111111	0.309137778	0.345346667	0.356946667
154	6/1/2022	0.211706667	0.235537778	0.282795556	0.302644444	0.347066667	0.423488889	0.477755556	0.503124444
155	6/2/2022	0.183293333	0.176604444	0.162053333	0.163688889	0.180946667	0.161768889	0.15336	0.193084444
156	6/3/2022	0.102822222	0.10364	0.110253333	0.123808889	0.149537778	0.177448889	0.190013333	0.19716
157	6/4/2022	0.089315556	0.095626667	0.103902222	0.143333333	0.157928889	0.168475556	0.208404444	0.21344
158	6/5/2022	0.135302222	0.166555556	0.164746667	0.184084444	0.198386667	0.195026667	0.239804444	0.286706667
159	6/6/2022	0.434688889	0.482306667	0.457728889	0.427826667	0.360182222	0.397506667	0.430115556	0.419755556
160	6/7/2022	0.176951111	0.128475556	0.13976	0.172831111	0.208217778	0.221355556	0.236115556	0.276057778
161	6/8/2022	0.303862222	0.357835556	0.42276	0.35724	0.290475556	0.337275556	0.393755556	0.427111111

	B	BX	BY	BZ	CA	CB	CC	CD	CE
2	measurement date	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945
130	5/8/2022	0.161577778	0.197137778	0.187751111	0.189284444	0.222453333	0.25536	0.256155556	0.299528889
131	5/9/2022	0.153715556	0.206555556	0.224417778	0.232653333	0.237453333	0.280488889	0.306168889	0.339808889
132	5/10/2022	0.271297778	0.322315556	0.363404444	0.377115556	0.406115556	0.478235556	0.474497778	0.50768
133	5/11/2022	0.306937778	0.352911111	0.376857778	0.440213333	0.478506667	0.48876	0.52368	0.552231111
134	5/12/2022	0.291373333	0.298493333	0.313768889	0.358053333	0.385671111	0.44668	0.478702222	0.513613333
135	5/13/2022	0.296311111	0.318191111	0.364226667	0.364764444	0.386093333	0.393248889	0.472511111	0.487235556
136	5/14/2022	0.288542222	0.310306667	0.387022222	0.400226667	0.464173333	0.491413333	0.508084444	0.529791111
137	5/15/2022	0.336835556	0.357266667	0.462937778	0.487466667	0.438791111	0.445573333	0.513	0.538591111
138	5/16/2022	0.234675556	0.237826667	0.259426667	0.273413333	0.306062222	0.328168889	0.334311111	0.380924444
139	5/17/2022	0.234977778	0.26012	0.286591111	0.337711111	0.390617778	0.416564444	0.450062222	0.448333333
140	5/18/2022	0.355653333	0.34876	0.356093333	0.383968889	0.404435556	0.42876	0.420755556	0.418035556
141	5/19/2022	0.349471111	0.40048	0.399097778	0.43756	0.469075556	0.4682	0.495	0.527977778
142	5/20/2022	0.317004444	0.364688889	0.397448889	0.450693333	0.474444444	0.484177778	0.51768	0.565306667
143	5/21/2022	0.503062222	0.513662222	0.489168889	0.45228	0.437368889	0.414955556	0.432973333	0.395497778
144	5/22/2022	0.186306667	0.221142222	0.236573333	0.296115556	0.320288889	0.340688889	0.339635556	0.354946667
145	5/23/2022	0.217026667	0.202155556	0.251631111	0.279328889	0.250493333	0.205675556	0.225715556	0.231075556
146	5/24/2022	0.169782222	0.167671111	0.17988	0.206311111	0.241595556	0.260435556	0.304911111	0.370333333
147	5/25/2022	0.356795556	0.382711111	0.39712	0.437862222	0.508902222	0.5032	0.470751111	0.496702222
148	5/26/2022	0.379124444	0.407084444	0.395271111	0.322466667	0.3462	0.388502222	0.384102222	0.410782222
149	5/27/2022	0.154626667	0.200746667	0.27808	0.287511111	0.301448889	0.345062222	0.369426667	0.373893333
150	5/28/2022	0.192262222	0.208577778	0.210786667	0.248128889	0.257515556	0.27436	0.305026667	0.327351111
151	5/29/2022	0.249862222	0.288115556	0.328751111	0.365062222	0.381297778	0.409493333	0.46612	0.473631111
152	5/30/2022	0.341817778	0.365782222	0.433488889	0.465924444	0.487933333	0.562031111	0.583102222	0.625417778
153	5/31/2022	0.402324444	0.452288889	0.489155556	0.505768889	0.539408889	0.582853333	0.639764444	0.662155556
154	6/1/2022	0.469248889	0.527182222	0.603062222	0.569404444	0.548706667	0.611888889	0.616497778	0.614075556
155	6/2/2022	0.209982222	0.283231111	0.264155556	0.295613333	0.350751111	0.375168889	0.369715556	0.355008889
156	6/3/2022	0.208733333	0.245097778	0.285004444	0.305	0.360235556	0.367542222	0.398684444	0.413426667
157	6/4/2022	0.239751111	0.259275556	0.296631111	0.311022222	0.357506667	0.401533333	0.420048889	0.445493333
158	6/5/2022	0.357675556	0.345591111	0.380902222	0.420764444	0.420631111	0.447155556	0.517786667	0.560075556
159	6/6/2022	0.376231111	0.369	0.402488889	0.327897778	0.320235556	0.332142222	0.406368889	0.425142222
160	6/7/2022	0.29888	0.338311111	0.395226667	0.42768	0.436506667	0.39856	0.450404444	0.475568889
161	6/8/2022	0.472324444	0.514653333	0.501982222	0.432262222	0.44752	0.476684444	0.479773333	0.378946667

	B	CF	CG	CH	CI	CJ	CK	CL	CM
2	measurement date	D_2000	D_2015	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145
130	5/8/2022	0.311408889	0.360253333	0.391066667	0.424404444	0.462906667	0.449622222	0.413502222	0.430368889
131	5/9/2022	0.368577778	0.4126	0.435408889	0.450195556	0.445293333	0.42748	0.426937778	0.433662222
132	5/10/2022	0.547617778	0.57864	0.594902222	0.606026667	0.61328	0.612031111	0.606213333	0.596493333
133	5/11/2022	0.60552	0.633862222	0.637102222	0.639395556	0.671208889	0.639057778	0.606608889	0.604426667
134	5/12/2022	0.518995556	0.550008889	0.555302222	0.565346667	0.577711111	0.598075556	0.579168889	0.588742222
135	5/13/2022	0.528791111	0.56856	0.593604444	0.584777778	0.588826667	0.600946667	0.591026667	0.545182222
136	5/14/2022	0.497297778	0.499048889	0.508608889	0.490857778	0.475204444	0.454493333	0.485137778	0.475702222
137	5/15/2022	0.563933333	0.584142222	0.636648889	0.637431111	0.633888889	0.643982222	0.636053333	0.630173333
138	5/16/2022	0.424195556	0.444044444	0.459813333	0.486315556	0.471528889	0.47204	0.460808889	0.465462222
139	5/17/2022	0.439751111	0.466337778	0.497497778	0.507017778	0.527666667	0.509542222	0.503404444	0.504808889
140	5/18/2022	0.412844444	0.428093333	0.436137778	0.443986667	0.488142222	0.480782222	0.481115556	0.4584
141	5/19/2022	0.536391111	0.505848889	0.505146667	0.535502222	0.544484444	0.507057778	0.457662222	0.448413333
142	5/20/2022	0.567311111	0.603306667	0.642164444	0.665711111	0.647297778	0.65344	0.650568889	0.629208889
143	5/21/2022	0.394906667	0.428404444	0.439088889	0.442537778	0.451448889	0.420044444	0.452204444	0.413653333
144	5/22/2022	0.369902222	0.439631111	0.466542222	0.4514	0.430324444	0.424168889	0.428582222	0.43116
145	5/23/2022	0.297426667	0.329315556	0.358462222	0.358408889	0.359764444	0.386408889	0.383862222	0.361595556
146	5/24/2022	0.372582222	0.393755556	0.420795556	0.433604444	0.427715556	0.471444444	0.450955556	0.443826667
147	5/25/2022	0.526831111	0.541008889	0.557186667	0.576533333	0.610097778	0.585075556	0.570008889	0.574973333
148	5/26/2022	0.424182222	0.452795556	0.42324	0.416408889	0.433391111	0.437484444	0.453373333	0.453835556
149	5/27/2022	0.3706	0.32596	0.367546667	0.424711111	0.422591111	0.412706667	0.42412	0.39632
150	5/28/2022	0.355537778	0.385471111	0.437413333	0.45792	0.464857778	0.482671111	0.480044444	0.447346667
151	5/29/2022	0.503684444	0.495991111	0.525337778	0.539155556	0.5248	0.5512	0.541733333	0.52244
152	5/30/2022	0.646791111	0.66764	0.676724444	0.696017778	0.700515556	0.70932	0.70728	0.713026667
153	5/31/2022	0.687942222	0.714853333	0.734484444	0.744733333	0.761097778	0.739795556	0.710426667	0.718408889
154	6/1/2022	0.652151111	0.707071111	0.743831111	0.792093333	0.780875556	0.76088	0.742351111	0.738706667
155	6/2/2022	0.415333333	0.460835556	0.481422222	0.4956	0.529422222	0.512062222	0.515413333	0.459848889
156	6/3/2022	0.470484444	0.438848889	0.487426667	0.504671111	0.500062222	0.50076	0.503733333	0.518191111
157	6/4/2022	0.461413333	0.464493333	0.4768	0.521431111	0.524022222	0.515582222	0.51452	0.505875556
158	6/5/2022	0.58444	0.583502222	0.620164444	0.636191111	0.632062222	0.627115556	0.618782222	0.622204444
159	6/6/2022	0.446537778	0.468444444	0.491702222	0.495737778	0.490186667	0.484071111	0.469755556	0.480937778
160	6/7/2022	0.499004444	0.532613333	0.5778	0.612306667	0.621706667	0.624191111	0.605044444	0.582
161	6/8/2022	0.340208889	0.364751111	0.436537778	0.489488889	0.454235556	0.461653333	0.472497778	0.488546667

	B	CN	CO	CP	CQ	CR	CS	CT	CU
2	measurement date	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345
130	5/8/2022	0.406937778	0.409457778	0.388991111	0.361088889	0.326955556	0.311915556	0.291328889	0.288057778
131	5/9/2022	0.439595556	0.436306667	0.394622222	0.379342222	0.391942222	0.363408889	0.344284444	0.305346667
132	5/10/2022	0.591982222	0.577151111	0.538693333	0.504813333	0.511591111	0.494466667	0.473706667	0.420071111
133	5/11/2022	0.635288889	0.582391111	0.563306667	0.551062222	0.518826667	0.5344	0.495382222	0.450617778
134	5/12/2022	0.574706667	0.530982222	0.519533333	0.497933333	0.479742222	0.467551111	0.398528889	0.403391111
135	5/13/2022	0.580511111	0.544737778	0.55572	0.52584	0.520035556	0.506955556	0.497711111	0.46828
136	5/14/2022	0.474226667	0.473297778	0.454493333	0.441862222	0.421115556	0.391222222	0.352808889	0.360511111
137	5/15/2022	0.55896	0.551017778	0.547284444	0.50532	0.485804444	0.458822222	0.436582222	0.423106667
138	5/16/2022	0.464382222	0.415057778	0.40564	0.374622222	0.364097778	0.345893333	0.345888889	0.315795556
139	5/17/2022	0.478084444	0.482928889	0.465631111	0.433911111	0.421964444	0.418231111	0.389831111	0.361586667
140	5/18/2022	0.420875556	0.431853333	0.428022222	0.4356	0.387173333	0.391964444	0.367195556	0.345831111
141	5/19/2022	0.43636	0.450426667	0.430982222	0.400986667	0.379382222	0.366724444	0.353146667	0.339048889
142	5/20/2022	0.638631111	0.642715556	0.611928889	0.583733333	0.579462222	0.562906667	0.558533333	0.534791111
143	5/21/2022	0.415351111	0.411324444	0.420444444	0.381973333	0.364848889	0.376991111	0.353355556	0.335662222
144	5/22/2022	0.423022222	0.431915556	0.418004444	0.37088	0.358124444	0.339231111	0.33608	0.323573333
145	5/23/2022	0.390031111	0.395462222	0.355928889	0.32556	0.312391111	0.301902222	0.295142222	0.278382222
146	5/24/2022	0.451071111	0.430048889	0.419413333	0.377857778	0.374755556	0.376142222	0.362506667	0.343653333
147	5/25/2022	0.542964444	0.536635556	0.528168889	0.485386667	0.477511111	0.477746667	0.440271111	0.405644444
148	5/26/2022	0.450493333	0.45384	0.447977778	0.398666667	0.359097778	0.34564	0.34784	0.321631111
149	5/27/2022	0.359577778	0.374977778	0.382502222	0.383462222	0.363164444	0.348106667	0.312555556	0.306097778
150	5/28/2022	0.439111111	0.432631111	0.427684444	0.428884444	0.428248889	0.403795556	0.371724444	0.387951111
151	5/29/2022	0.51712	0.505257778	0.506662222	0.489671111	0.475586667	0.458435556	0.447142222	0.410786667
152	5/30/2022	0.74416	0.694146667	0.652075556	0.632968889	0.599066667	0.592888889	0.553502222	0.510088889
153	5/31/2022	0.742897778	0.722315556	0.6746	0.644555556	0.596693333	0.590573333	0.548853333	0.530075556
154	6/1/2022	0.729782222	0.714604444	0.674937778	0.664644444	0.673537778	0.611742222	0.609102222	0.58648
155	6/2/2022	0.470573333	0.482551111	0.471088889	0.457146667	0.426586667	0.408271111	0.406524444	0.36704
156	6/3/2022	0.507466667	0.517404444	0.500844444	0.481497778	0.463742222	0.449742222	0.427964444	0.402422222
157	6/4/2022	0.5476	0.535288889	0.49588	0.474813333	0.465226667	0.447586667	0.429551111	0.396311111
158	6/5/2022	0.615377778	0.603151111	0.570826667	0.549795556	0.515928889	0.523777778	0.474631111	0.452008889
159	6/6/2022	0.442057778	0.441573333	0.423422222	0.389213333	0.394737778	0.370271111	0.356702222	0.356711111
160	6/7/2022	0.542182222	0.551955556	0.551684444	0.504915556	0.489813333	0.453462222	0.413395556	0.428164444
161	6/8/2022	0.47272	0.486413333	0.467742222	0.44692	0.425555556	0.439333333	0.411444444	0.363804444

	B	CV	CW	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB
2	measurement date	D_2400		1	2	3	4	5	6	7	8	9	10	11	12
130	5/8/2022	0.258022222		1.04	0.96	0.93	0.93	0.92	1.01	1.04	0.95	0.68	0.43	0.34	0.22
131	5/9/2022	0.294573333		0.94	0.87	0.84	0.85	0.83	0.87	1.09	0.84	0.60	0.38	0.21	0.11
132	5/10/2022	0.4154		1.06	0.95	0.92	0.89	0.87	0.92	1.07	0.90	0.50	0.38	0.33	0.24
133	5/11/2022	0.41788		1.48	1.25	1.16	1.11	1.09	1.09	1.23	1.17	0.87	0.51	0.44	0.32
134	5/12/2022	0.377888889		1.46	1.26	1.09	1.00	0.96	1.03	1.11	0.81	0.49	0.35	0.24	0.15
135	5/13/2022	0.437986667		1.37	1.17	1.08	1.04	1.00	0.98	1.13	0.96	0.64	0.44	0.25	0.21
136	5/14/2022	0.340342222		1.57	1.34	1.26	1.17	1.07	0.99	0.97	0.83	0.71	0.61	0.46	0.38
137	5/15/2022	0.402844444		1.22	1.12	1.03	1.00	0.91	0.92	0.89	0.57	0.60	0.40	0.34	0.33
138	5/16/2022	0.314613333		1.42	1.28	1.19	1.06	1.02	1.04	1.23	0.97	0.82	0.42	0.30	0.17
139	5/17/2022	0.318862222		1.17	1.02	0.94	0.90	0.86	0.88	1.01	0.76	0.49	0.35	0.25	0.20
140	5/18/2022	0.322053333		1.21	1.02	0.95	0.92	0.92	0.97	1.11	1.19	0.90	0.66	0.34	0.28
141	5/19/2022	0.325808889		1.16	1.02	0.91	0.88	0.86	0.91	1.10	0.90	0.73	0.66	0.45	0.31
142	5/20/2022	0.500057778		1.07	0.95	0.96	0.94	0.96	0.98	1.08	0.98	0.67	0.39	0.30	0.28
143	5/21/2022	0.332008889		1.88	1.54	1.41	1.28	1.25	1.25	1.18	0.96	0.87	0.70	0.47	0.40
144	5/22/2022	0.300124444		1.28	1.10	1.02	1.04	0.96	0.94	1.02	1.00	1.05	1.02	0.93	0.62
145	5/23/2022	0.282737778		1.04	0.94	0.87	0.86	0.86	0.94	1.05	0.85	0.65	0.61	0.54	0.44
146	5/24/2022	0.328013333		1.05	0.97	0.91	0.88	0.88	0.96	1.10	0.75	0.47	0.27	0.18	0.13
147	5/25/2022	0.3928		1.22	1.12	1.02	0.95	0.90	0.98	1.08	0.88	0.58	0.48	0.29	0.16
148	5/26/2022	0.312168889		1.58	1.34	1.27	1.18	1.22	1.16	1.26	1.17	0.96	0.84	0.62	0.59
149	5/27/2022	0.300368889		1.11	1.08	0.99	0.94	0.89	0.93	1.06	0.84	0.61	0.54	0.56	0.39
150	5/28/2022	0.380546667		1.09	1.06	1.00	0.95	0.91	0.93	0.92	0.76	0.59	0.44	0.36	0.34
151	5/29/2022	0.388502222		1.31	1.14	1.01	0.96	0.95	0.93	0.84	0.66	0.51	0.36	0.31	0.21
152	5/30/2022	0.498564444		1.37	1.27	1.11	1.03	0.99	0.99	0.97	0.77	0.71	0.61	0.47	0.36
153	5/31/2022	0.510688889		1.83	1.61	1.50	1.36	1.28	1.24	1.26	1.07	0.89	0.63	0.49	0.39
154	6/1/2022	0.526413333	0.65	1.96	1.72	1.61	1.47	1.30	1.27	1.27	1.12	0.84	0.60	0.49	0.45
155	6/2/2022	0.369733333	0.42	1.96	1.71	1.47	1.34	1.30	1.30	1.31	1.10	0.92	0.84	0.87	0.73
156	6/3/2022	0.404431111	0.47	1.30	1.11	1.07	1.00	0.95	0.99	1.00	0.77	0.56	0.41	0.27	0.22
157	6/4/2022	0.389595556	0.46	1.37	1.21	1.09	1.05	0.96	0.93	0.91	0.67	0.53	0.36	0.24	0.20
158	6/5/2022	0.4386	0.58	1.36	1.25	1.09	1.02	0.98	0.93	0.89	0.61	0.49	0.41	0.34	0.22
159	6/6/2022	0.348475556	0.48	1.54	1.28	1.23	1.16	1.11	1.10	1.15	0.85	0.68	0.46	0.55	0.46
160	6/7/2022	0.403666667	0.50	1.29	1.14	1.07	0.99	0.94	0.96	1.17	1.13	0.78	0.49	0.46	0.45
161	6/8/2022	0.362631111	0.51	1.52	1.32	1.15	1.10	1.05	1.03	1.06	0.80	0.56	0.45	0.33	0.26

	B	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
2	measurement date	13	14	15	16	17	18	19	20	21	22	23	24
130	5/8/2022	0.13	0.15	0.11	0.14	0.21	0.50	0.80	1.12	1.64	1.70	1.49	1.15
131	5/9/2022	0.08	0.09	0.09	0.14	0.28	0.52	0.90	1.30	1.74	1.73	1.60	1.31
132	5/10/2022	0.15	0.17	0.22	0.34	0.53	0.90	1.47	2.01	2.39	2.41	2.13	1.80
133	5/11/2022	0.24	0.29	0.45	0.54	0.68	1.08	1.65	2.17	2.58	2.49	2.22	1.90
134	5/12/2022	0.15	0.17	0.19	0.30	0.59	0.95	1.36	1.96	2.25	2.34	2.03	1.65
135	5/13/2022	0.14	0.17	0.22	0.35	0.60	0.98	1.43	1.88	2.34	2.32	2.15	1.91
136	5/14/2022	0.69	0.78	0.84	0.63	0.64	0.89	1.56	2.03	1.97	1.89	1.79	1.44
137	5/15/2022	0.27	0.34	0.30	0.40	0.62	1.10	1.75	2.06	2.49	2.47	2.09	1.72
138	5/16/2022	0.13	0.19	0.28	0.40	0.56	0.79	1.08	1.47	1.86	1.86	1.56	1.32
139	5/17/2022	0.15	0.17	0.22	0.29	0.40	0.80	1.28	1.75	2.00	2.00	1.80	1.49
140	5/18/2022	0.25	0.30	0.35	0.61	1.08	1.40	1.49	1.68	1.80	1.84	1.68	1.43
141	5/19/2022	0.28	0.26	0.24	0.32	0.65	1.12	1.71	2.03	2.09	1.85	1.66	1.38
142	5/20/2022	0.27	0.27	0.27	0.38	0.55	1.11	1.69	2.13	2.56	2.57	2.42	2.16
143	5/21/2022	0.77	0.87	2.07	1.90	1.34	1.83	1.89	1.64	1.76	1.70	1.58	1.40
144	5/22/2022	0.40	0.62	0.55	0.58	0.57	0.71	1.07	1.41	1.79	1.71	1.58	1.30
145	5/23/2022	0.46	0.42	0.35	0.36	0.66	0.91	0.98	0.96	1.41	1.52	1.39	1.16
146	5/24/2022	0.11	0.15	0.13	0.19	0.30	0.54	0.80	1.31	1.68	1.82	1.60	1.41
147	5/25/2022	0.23	0.33	0.43	0.58	1.10	1.56	1.73	2.00	2.28	2.27	2.03	1.72
148	5/26/2022	0.49	0.80	0.85	0.53	1.02	1.52	1.47	1.61	1.73	1.80	1.66	1.33
149	5/27/2022	0.37	0.37	0.40	0.50	0.93	0.81	1.07	1.46	1.54	1.59	1.50	1.27
150	5/28/2022	0.32	0.24	0.26	0.45	0.47	0.68	0.93	1.26	1.75	1.85	1.72	1.54
151	5/29/2022	0.27	0.26	0.24	0.33	0.52	0.87	1.36	1.85	2.09	2.13	1.98	1.70
152	5/30/2022	0.36	0.55	0.67	0.70	0.93	1.21	1.75	2.42	2.74	2.87	2.58	2.16
153	5/31/2022	0.42	0.58	0.60	0.82	1.10	1.41	1.99	2.57	2.96	2.91	2.64	2.18
154	6/1/2022	0.69	0.67	0.56	0.71	1.17	1.87	2.25	2.49	3.02	2.97	2.73	2.33
155	6/2/2022	0.50	0.38	0.42	0.58	0.68	0.72	1.19	1.52	1.97	1.96	1.84	1.55
156	6/3/2022	0.17	0.18	0.25	0.33	0.49	0.77	1.20	1.65	1.93	2.03	1.96	1.68
157	6/4/2022	0.18	0.26	0.30	0.31	0.50	0.83	1.22	1.73	1.99	2.08	1.97	1.66
158	6/5/2022	0.20	0.34	0.44	0.52	0.71	1.08	1.57	2.11	2.47	2.48	2.24	1.89
159	6/6/2022	1.26	0.45	0.30	1.14	1.73	1.62	1.42	1.61	1.95	1.88	1.65	1.43
160	6/7/2022	0.41	0.52	0.57	0.68	0.65	1.03	1.60	1.82	2.34	2.35	2.10	1.70
161	6/8/2022	0.40	0.43	1.06	1.14	1.43	1.63	1.90	1.68	1.75	1.90	1.83	1.58

	B	C	D	E	F	G	H	I	J	K
2	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145
162	6/9/2022	6	4	0.338577778	0.326471111	0.319813333	0.297088889	0.285706667	0.286742222	0.27804
163	6/10/2022	6	5	0.345124444	0.341608889	0.3376	0.322213333	0.311346667	0.286742222	0.28776
164	6/11/2022	6	6	0.322182222	0.290524444	0.287808889	0.270666667	0.264288889	0.257475556	0.264893333
165	6/12/2022	6	7	0.393515556	0.365324444	0.343026667	0.362484444	0.345328889	0.327697778	0.330742222
166	6/13/2022	6	1	0.477217778	0.44788	0.434586667	0.423782222	0.415586667	0.39868	0.392346667
167	6/14/2022	6	2	0.448706667	0.430462222	0.427231111	0.418235556	0.407497778	0.376595556	0.36304
168	6/15/2022	6	3	0.644786667	0.624466667	0.606448889	0.585106667	0.602084444	0.577177778	0.562315556
169	6/16/2022	6	4	0.672830357	0.664513393	0.625316964	0.599795556	0.582777778	0.584773333	0.581266667
170	6/17/2022	6	5	0.648328889	0.627591111	0.611111111	0.591275556	0.601653333	0.588697778	0.558991111
171	6/18/2022	6	6	0.514804444	0.481471111	0.465151111	0.44648	0.428413333	0.409217778	0.401191111
172	6/19/2022	6	7	0.365831111	0.321653333	0.317577778	0.310524444	0.302248889	0.29488	0.266044444
173	6/20/2022	6	1	0.321626667	0.321173333	0.29528	0.292724444	0.268053333	0.275706667	0.26228
174	6/21/2022	6	2	0.388142222	0.378644444	0.38792	0.362586667	0.341315556	0.330671111	0.325684444
175	6/22/2022	6	3	0.571444444	0.547497778	0.517457778	0.492986667	0.47412	0.469031111	0.47812
176	6/23/2022	6	4	0.453324444	0.435733333	0.407017778	0.392013333	0.380622222	0.372782222	0.359102222
177	6/24/2022	6	5	0.444626667	0.440768889	0.411942222	0.41604	0.392155556	0.378204444	0.346151111
178	6/25/2022	6	6	0.427595556	0.433768889	0.419502222	0.391555556	0.391355556	0.374653333	0.361266667
179	6/26/2022	6	7	0.537853333	0.518986667	0.525075556	0.473462222	0.482764444	0.444817778	0.441768889
180	6/27/2022	6	1	0.488702222	0.489746667	0.465386667	0.431857778	0.436684444	0.411111111	0.405235556
181	6/28/2022	6	2	0.374568889	0.352582222	0.336857778	0.319591111	0.31532	0.30232	0.284146667
182	6/29/2022	6	3	0.343893333	0.353928889	0.327315556	0.313004444	0.28444	0.276088889	0.271031111
183	6/30/2022	6	4	0.413915556	0.392466667	0.373146667	0.360155556	0.348542222	0.348862222	0.330351111
184	7/1/2022	7	5	0.559204444	0.536373333	0.534044444	0.513342222	0.504857778	0.478457778	0.476755556
185	7/2/2022	7	6	0.597173333	0.583031111	0.546728889	0.542613333	0.522631111	0.500453333	0.499515556
186	7/3/2022	7	7	0.569793269	0.556538462	0.554370192	0.53436	0.516524444	0.471035556	0.48256
187	7/4/2022	7	1	0.515093333	0.492088889	0.473831111	0.466231111	0.475031111	0.439804444	0.440417778
188	7/5/2022	7	2	0.575991111	0.562822222	0.549355556	0.516773333	0.490515556	0.508035556	0.492871111
189	7/6/2022	7	3	0.568631111	0.553604444	0.522515556	0.518004444	0.516484444	0.507542222	0.490795556
190	7/7/2022	7	4	0.451648889	0.413022222	0.392271111	0.402097778	0.370373333	0.361546667	0.354737778
191	7/8/2022	7	5	0.512906667	0.510195556	0.506333333	0.499453333	0.469911111	0.447564444	0.446413333
192	7/9/2022	7	6	0.421257778	0.426568889	0.40928	0.420697778	0.406097778	0.386186667	0.376813333
193	7/10/2022	7	7	0.429422222	0.405426667	0.395764444	0.378977778	0.342226667	0.348426667	0.32584

	B	L	M	N	O	P	Q	R	S
2	measurement date	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330	D_0345
162	6/9/2022	0.260782222	0.272786667	0.269248889	0.26664	0.25252	0.234622222	0.23232	0.236257778
163	6/10/2022	0.290533333	0.290022222	0.287462222	0.287008889	0.278106667	0.275604444	0.249844444	0.246986667
164	6/11/2022	0.251022222	0.242853333	0.239168889	0.240173333	0.239755556	0.231844444	0.239306667	0.222746667
165	6/12/2022	0.313564444	0.29572	0.298084444	0.292297778	0.272088889	0.27272	0.271231111	0.287417778
166	6/13/2022	0.3864	0.355817778	0.371795556	0.366484444	0.356977778	0.33164	0.350022222	0.368173333
167	6/14/2022	0.366217778	0.363848889	0.358635556	0.350373333	0.360711111	0.356315556	0.335955556	0.334493333
168	6/15/2022	0.544911111	0.556177778	0.525168889	0.527355556	0.511408889	0.496062222	0.510671111	0.501284444
169	6/16/2022	0.592893333	0.546751111	0.526608889	0.533293333	0.49984	0.536053333	0.517826667	0.488422222
170	6/17/2022	0.53164	0.558911111	0.527075556	0.520097778	0.50728	0.521813333	0.488155556	0.497462222
171	6/18/2022	0.402391111	0.384386667	0.365791111	0.351208889	0.333804444	0.343822222	0.326235556	0.321004444
172	6/19/2022	0.268128889	0.25892	0.269711111	0.274511111	0.262351111	0.254808889	0.241991111	0.238435556
173	6/20/2022	0.256266667	0.254115556	0.262795556	0.249875556	0.258284444	0.255586667	0.238657778	0.247155556
174	6/21/2022	0.322431111	0.305706667	0.302573333	0.292702222	0.284751111	0.277031111	0.255915556	0.262822222
175	6/22/2022	0.434275556	0.421364444	0.423515556	0.42408	0.399782222	0.384053333	0.383217778	0.39328
176	6/23/2022	0.341853333	0.34076	0.334484444	0.322048889	0.30344	0.294106667	0.301404444	0.300777778
177	6/24/2022	0.344431111	0.325626667	0.319795556	0.311586667	0.306084444	0.313751111	0.296804444	0.288546667
178	6/25/2022	0.34452	0.314422222	0.319964444	0.300746667	0.307133333	0.294324444	0.293737778	0.290151111
179	6/26/2022	0.422506667	0.416617778	0.399031111	0.417057778	0.392542222	0.373777778	0.390546667	0.386995556
180	6/27/2022	0.39944	0.391515556	0.368617778	0.37272	0.356417778	0.32892	0.315404444	0.310795556
181	6/28/2022	0.280844444	0.276737778	0.270768889	0.26412	0.267368889	0.257391111	0.262248889	0.255462222
182	6/29/2022	0.282835556	0.263364444	0.246631111	0.248111111	0.245355556	0.250182222	0.238408889	0.237084444
183	6/30/2022	0.315208889	0.296106667	0.298448889	0.300524444	0.289817778	0.28588	0.28524	0.258742222
184	7/1/2022	0.461466667	0.448844444	0.42988	0.454115556	0.452871111	0.450453333	0.424435556	0.414044444
185	7/2/2022	0.490448889	0.47592	0.475564444	0.478084444	0.447226667	0.422235556	0.423448889	0.424777778
186	7/3/2022	0.444386667	0.444084444	0.42772	0.420746667	0.424977778	0.411124444	0.392711111	0.378395556
187	7/4/2022	0.441386667	0.387182222	0.399471111	0.391471111	0.370528889	0.378235556	0.360093333	0.319337778
188	7/5/2022	0.472155556	0.464777778	0.475866667	0.445631111	0.449084444	0.440288889	0.421706667	0.43284
189	7/6/2022	0.481324444	0.481564444	0.462608889	0.457071111	0.469995556	0.446742222	0.454595556	0.439328889
190	7/7/2022	0.354537778	0.340302222	0.338502222	0.344213333	0.326226667	0.314533333	0.307555556	0.317742222
191	7/8/2022	0.435248889	0.446946667	0.429755556	0.396671111	0.413866667	0.399795556	0.381337778	0.371248889
192	7/9/2022	0.370466667	0.355364444	0.347044444	0.329622222	0.327297778	0.337048889	0.33328	0.312555556
193	7/10/2022	0.339111111	0.310795556	0.306662222	0.308004444	0.293488889	0.293764444	0.277826667	0.28108

	B	T	U	V	W	X	Y	Z	AA
2	measurement date	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545
162	6/9/2022	0.235053333	0.233657778	0.236142222	0.225875556	0.220151111	0.224013333	0.23476	0.251497778
163	6/10/2022	0.24924	0.24452	0.251115556	0.244102222	0.238986667	0.242662222	0.241337778	0.239364444
164	6/11/2022	0.228111111	0.225111111	0.219631111	0.212217778	0.212915556	0.215075556	0.219591111	0.229182222
165	6/12/2022	0.257053333	0.259124444	0.261684444	0.254653333	0.266808889	0.247782222	0.248711111	0.24836
166	6/13/2022	0.352271111	0.31976	0.345288889	0.328688889	0.317355556	0.309902222	0.316968889	0.308
167	6/14/2022	0.331644444	0.322893333	0.32416	0.320835556	0.320555556	0.311835556	0.354271111	0.340444444
168	6/15/2022	0.471684444	0.464782222	0.478955556	0.470515556	0.471551111	0.453968889	0.442657778	0.444755556
169	6/16/2022	0.485995556	0.507822222	0.474284444	0.458924444	0.469004444	0.463906667	0.439551111	0.461031111
170	6/17/2022	0.479862222	0.486244444	0.481764444	0.452435556	0.467062222	0.450408889	0.423782222	0.439888889
171	6/18/2022	0.309413333	0.289973333	0.293733333	0.279991111	0.277537778	0.284746667	0.274586667	0.271644444
172	6/19/2022	0.234426667	0.236564444	0.24392	0.238475556	0.234751111	0.228444444	0.224013333	0.226195556
173	6/20/2022	0.235026667	0.243742222	0.240471111	0.232724444	0.253857778	0.258066667	0.243671111	0.242595556
174	6/21/2022	0.260986667	0.250608889	0.246466667	0.25152	0.245693333	0.250475556	0.266613333	0.250684444
175	6/22/2022	0.38416	0.383417778	0.357484444	0.365688889	0.357768889	0.327186667	0.324724444	0.333853333
176	6/23/2022	0.283333333	0.288444444	0.278053333	0.275577778	0.270977778	0.270106667	0.275293333	0.28524
177	6/24/2022	0.271982222	0.25848	0.262586667	0.265177778	0.266835556	0.260862222	0.25192	0.263911111
178	6/25/2022	0.281431111	0.284782222	0.273706667	0.259422222	0.267853333	0.278506667	0.258902222	0.256488889
179	6/26/2022	0.381893333	0.366982222	0.390524444	0.352311111	0.373351111	0.356044444	0.371013333	0.346502222
180	6/27/2022	0.315942222	0.304733333	0.300586667	0.297284444	0.285688889	0.290168889	0.268515556	0.284564444
181	6/28/2022	0.249097778	0.23084	0.237746667	0.238431111	0.238697778	0.239395556	0.244426667	0.239022222
182	6/29/2022	0.227608889	0.229053333	0.228488889	0.231844444	0.234866667	0.228746667	0.227302222	0.233715556
183	6/30/2022	0.27896	0.262684444	0.254591111	0.242475556	0.253986667	0.259964444	0.264493333	0.26916
184	7/1/2022	0.410697778	0.402057778	0.389902222	0.398453333	0.379191111	0.372111111	0.376773333	0.377751111
185	7/2/2022	0.396057778	0.39212	0.391582222	0.392702222	0.399013333	0.378537778	0.363088889	0.362844444
186	7/3/2022	0.372777778	0.393306667	0.360106667	0.363262222	0.361733333	0.386146667	0.356311111	0.334946667
187	7/4/2022	0.344795556	0.31844	0.312697778	0.315186667	0.302844444	0.29728	0.303022222	0.28848
188	7/5/2022	0.41448	0.405937778	0.406582222	0.401533333	0.422653333	0.403248889	0.410742222	0.40724
189	7/6/2022	0.452168889	0.42844	0.428528889	0.438604444	0.412066667	0.419253333	0.41808	0.433271111
190	7/7/2022	0.299386667	0.318013333	0.304355556	0.294586667	0.312222222	0.295573333	0.294022222	0.3
191	7/8/2022	0.385257778	0.3708	0.355671111	0.345884444	0.370222222	0.36424	0.354813333	0.370933333
192	7/9/2022	0.31044	0.306377778	0.304208889	0.294471111	0.308733333	0.302102222	0.307004444	0.285222222
193	7/10/2022	0.274435556	0.275311111	0.268911111	0.254048889	0.248808889	0.244497778	0.250826667	0.236506667

	B	AB	AC	AD	AE	AF	AG	AH	AI
2	measurement date	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730	D_0745
162	6/9/2022	0.256266667	0.25004	0.272333333	0.242333333	0.239631111	0.223324444	0.221355556	0.202355556
163	6/10/2022	0.257235556	0.25876	0.262964444	0.250044444	0.225377778	0.192693333	0.167555556	0.160151111
164	6/11/2022	0.238177778	0.243777778	0.237702222	0.218751111	0.218431111	0.224106667	0.169604444	0.123657778
165	6/12/2022	0.251982222	0.247293333	0.258688889	0.259057778	0.256777778	0.22148	0.199257778	0.181933333
166	6/13/2022	0.321484444	0.354577778	0.357884444	0.315297778	0.299137778	0.2946	0.321884444	0.297586667
167	6/14/2022	0.339302222	0.324804444	0.34772	0.345933333	0.35252	0.316164444	0.312164444	0.287697778
168	6/15/2022	0.437573333	0.437466667	0.419235556	0.411462222	0.389173333	0.384608889	0.352626667	0.365262222
169	6/16/2022	0.436244444	0.447795556	0.454608889	0.431946667	0.445044444	0.407208889	0.364213333	0.37048
170	6/17/2022	0.441857778	0.429173333	0.406728889	0.437786667	0.423048889	0.391395556	0.396386667	0.364084444
171	6/18/2022	0.270133333	0.269786667	0.262408889	0.267577778	0.238297778	0.246066667	0.23084	0.203253333
172	6/19/2022	0.223071111	0.226377778	0.216671111	0.213231111	0.197862222	0.20192	0.174737778	0.168986667
173	6/20/2022	0.246026667	0.258471111	0.249915556	0.235968889	0.211595556	0.202804444	0.179204444	0.166244444
174	6/21/2022	0.258302222	0.246404444	0.245577778	0.229342222	0.227728889	0.218866667	0.183964444	0.174617778
175	6/22/2022	0.331808889	0.34044	0.34916	0.308488889	0.308013333	0.294782222	0.312702222	0.28196
176	6/23/2022	0.268133333	0.267995556	0.291422222	0.27916	0.276528889	0.263582222	0.245324444	0.246146667
177	6/24/2022	0.276746667	0.260368889	0.255688889	0.255315556	0.256924444	0.228928889	0.218622222	0.210902222
178	6/25/2022	0.26128	0.265431111	0.25304	0.260155556	0.232315556	0.223	0.194911111	0.199733333
179	6/26/2022	0.356173333	0.346662222	0.355764444	0.341662222	0.292311111	0.286524444	0.329573333	0.305911111
180	6/27/2022	0.272924444	0.278488889	0.278964444	0.283871111	0.267862222	0.249813333	0.227471111	0.224302222
181	6/28/2022	0.243195556	0.257764444	0.257146667	0.270595556	0.228564444	0.197333333	0.160302222	0.148457778
182	6/29/2022	0.242102222	0.243862222	0.23836	0.242133333	0.222493333	0.20768	0.174253333	0.16
183	6/30/2022	0.256111111	0.258937778	0.257582222	0.254871111	0.244884444	0.214915556	0.201417778	0.172662222
184	7/1/2022	0.383391111	0.365853333	0.375013333	0.37016	0.39716	0.356955556	0.34324	0.337733333
185	7/2/2022	0.345391111	0.372231111	0.35688	0.400093333	0.366471111	0.360257778	0.363444444	0.316995556
186	7/3/2022	0.33944	0.342995556	0.345533333	0.318866667	0.301644444	0.265791111	0.246982222	0.237795556
187	7/4/2022	0.301582222	0.291462222	0.292404444	0.283155556	0.279937778	0.26432	0.250137778	0.242008889
188	7/5/2022	0.418995556	0.428013333	0.415835556	0.4122	0.395617778	0.375768889	0.379688889	0.325026667
189	7/6/2022	0.433893333	0.42084	0.427893333	0.444773333	0.425951111	0.39648	0.413226667	0.36792
190	7/7/2022	0.307622222	0.29236	0.310542222	0.30488	0.299728889	0.269244444	0.235253333	0.255026667
191	7/8/2022	0.341697778	0.338182222	0.347706667	0.3614	0.347697778	0.338964444	0.31076	0.32232
192	7/9/2022	0.2904	0.279177778	0.304053333	0.305182222	0.311653333	0.303924444	0.318457778	0.302462222
193	7/10/2022	0.247222222	0.247862222	0.245871111	0.222511111	0.210577778	0.191333333	0.189857778	0.180835556

	B	AJ	AK	AL	AM	AN	AO	AP	AQ
2	measurement date	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945
162	6/9/2022	0.233173333	0.212795556	0.195604444	0.163924444	0.109973333	0.104026667	0.091417778	0.088968889
163	6/10/2022	0.209124444	0.16244	0.140217778	0.1332	0.115031111	0.09948	0.112688889	0.090982222
164	6/11/2022	0.102466667	0.112653333	0.134528889	0.127862222	0.104315556	0.109457778	0.097888889	0.0992
165	6/12/2022	0.197271111	0.18796	0.157751111	0.161435556	0.182942222	0.162106667	0.138862222	0.131088889
166	6/13/2022	0.26724	0.270448889	0.254373333	0.212933333	0.207955556	0.20988	0.203871111	0.221244444
167	6/14/2022	0.278933333	0.261084444	0.275168889	0.274231111	0.278315556	0.235275556	0.190368889	0.18984
168	6/15/2022	0.354791111	0.323488889	0.350911111	0.294213333	0.254346667	0.208768889	0.204466667	0.189364444
169	6/16/2022	0.342191111	0.317542222	0.323151111	0.292391111	0.26064	0.216026667	0.211155556	0.19224
170	6/17/2022	0.360546667	0.320248889	0.326902222	0.314924444	0.274048889	0.259608889	0.24432	0.266302222
171	6/18/2022	0.204737778	0.194768889	0.17408	0.165653333	0.147102222	0.116857778	0.105551111	0.120262222
172	6/19/2022	0.161795556	0.139906667	0.122724444	0.112377778	0.111448889	0.106662222	0.098933333	0.094724444
173	6/20/2022	0.161671111	0.165524444	0.156564444	0.151386667	0.121266667	0.091911111	0.097502222	0.089173333
174	6/21/2022	0.199533333	0.176386667	0.156671111	0.137986667	0.126071111	0.116768889	0.109924444	0.113506667
175	6/22/2022	0.257284444	0.256777778	0.243493333	0.228573333	0.205177778	0.202457778	0.176324444	0.19628
176	6/23/2022	0.224955556	0.225462222	0.208066667	0.212631111	0.160328889	0.140222222	0.130373333	0.118164444
177	6/24/2022	0.201	0.188435556	0.175822222	0.173497778	0.15868	0.161293333	0.121688889	0.109431111
178	6/25/2022	0.174457778	0.166884444	0.15588	0.164515556	0.152044444	0.129711111	0.147048889	0.153155556
179	6/26/2022	0.250644444	0.200266667	0.208635556	0.228306667	0.260511111	0.23164	0.200204444	0.186693333
180	6/27/2022	0.214706667	0.212857778	0.191222222	0.177813333	0.169982222	0.146457778	0.13052	0.114168889
181	6/28/2022	0.119817778	0.128586667	0.10892	0.099524444	0.091244444	0.09324	0.088968889	0.07968
182	6/29/2022	0.167951111	0.165617778	0.156075556	0.141631111	0.120013333	0.113591111	0.098102222	0.088062222
183	6/30/2022	0.172995556	0.173604444	0.152048889	0.139724444	0.136511111	0.116951111	0.120715556	0.110831111
184	7/1/2022	0.329368889	0.341044444	0.31972	0.284155556	0.220666667	0.227377778	0.21448	0.209595556
185	7/2/2022	0.304373333	0.251542222	0.246537778	0.227875556	0.236555556	0.208182222	0.175373333	0.17452
186	7/3/2022	0.264648889	0.225311111	0.228573333	0.203177778	0.179173333	0.19404	0.182355556	0.174031111
187	7/4/2022	0.233751111	0.192288889	0.194306667	0.197288889	0.206808889	0.196057778	0.178715556	0.153426667
188	7/5/2022	0.318075556	0.335222222	0.312444444	0.29184	0.263142222	0.251724444	0.252764444	0.299013333
189	7/6/2022	0.357013333	0.329564444	0.302768889	0.280662222	0.226111111	0.203391111	0.253448889	0.247568889
190	7/7/2022	0.293533333	0.256502222	0.228893333	0.193004444	0.212853333	0.195093333	0.181297778	0.186391111
191	7/8/2022	0.301026667	0.279155556	0.244884444	0.246524444	0.238804444	0.225355556	0.236013333	0.187564444
192	7/9/2022	0.305244444	0.311671111	0.299297778	0.283355556	0.268746667	0.290253333	0.258373333	0.282728889
193	7/10/2022	0.189675556	0.174471111	0.1576	0.171497778	0.156262222	0.13476	0.12848	0.135551111

	B	AR	AS	AT	AU	AV	AW	AX	AY
2	measurement date	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
162	6/9/2022	0.100311111	0.089271111	0.089453333	0.113511111	0.119973333	0.119226667	0.096537778	0.078337778
163	6/10/2022	0.092191111	0.087688889	0.074128889	0.081462222	0.073315556	0.090933333	0.12804	0.163164444
164	6/11/2022	0.093266667	0.12524	0.107364444	0.093888889	0.086191111	0.093982222	0.085693333	0.085186667
165	6/12/2022	0.14368	0.147315556	0.161746667	0.15224	0.165017778	0.217688889	0.203337778	0.238648889
166	6/13/2022	0.204875556	0.194702222	0.162533333	0.164333333	0.185142222	0.220848889	0.222551111	0.238622222
167	6/14/2022	0.182702222	0.174271111	0.172964444	0.15012	0.130288889	0.131542222	0.123617778	0.127271111
168	6/15/2022	0.189773333	0.175537778	0.177195556	0.155795556	0.161017778	0.147013333	0.126386667	0.123337778
169	6/16/2022	0.188697778	0.16872	0.167231111	0.136062222	0.129604444	0.129342222	0.109768889	0.113862222
170	6/17/2022	0.223955556	0.227911111	0.225577778	0.199875556	0.217506667	0.274973333	0.312853333	0.370666667
171	6/18/2022	0.088466667	0.075697778	0.056902222	0.048671111	0.051617778	0.048271111	0.036893333	0.046168889
172	6/19/2022	0.074497778	0.077026667	0.079866667	0.060555556	0.052777778	0.059782222	0.04916	0.059946667
173	6/20/2022	0.080151111	0.075986667	0.092284444	0.064684444	0.056271111	0.050848889	0.064422222	0.052742222
174	6/21/2022	0.112235556	0.110031111	0.083026667	0.081151111	0.08576	0.086755556	0.096862222	0.078671111
175	6/22/2022	0.178208889	0.160991111	0.153386667	0.139155556	0.105737778	0.102035556	0.111342222	0.12752
176	6/23/2022	0.113324444	0.092866667	0.075991111	0.075328889	0.071822222	0.061324444	0.057062222	0.056191111
177	6/24/2022	0.11452	0.088164444	0.086031111	0.086804444	0.062413333	0.05488	0.061511111	0.048702222
178	6/25/2022	0.15832	0.118555556	0.100902222	0.111226667	0.125893333	0.110444444	0.120475556	0.100613333
179	6/26/2022	0.15264	0.145768889	0.136293333	0.149488889	0.134102222	0.171182222	0.171377778	0.173413333
180	6/27/2022	0.111933333	0.104351111	0.094008889	0.090284444	0.084506667	0.083431111	0.066151111	0.054577778
181	6/28/2022	0.061742222	0.06884	0.049093333	0.0348	0.044262222	0.032884444	0.030688889	0.035226667
182	6/29/2022	0.072022222	0.051737778	0.046777778	0.042955556	0.040342222	0.036537778	0.04668	0.039008889
183	6/30/2022	0.095084444	0.08408	0.081257778	0.070106667	0.069671111	0.067062222	0.068586667	0.052724444
184	7/1/2022	0.177453333	0.18376	0.174142222	0.166657778	0.144288889	0.124288889	0.139804444	0.165026667
185	7/2/2022	0.232275556	0.234142222	0.186502222	0.147773333	0.152071111	0.110853333	0.120604444	0.157844444
186	7/3/2022	0.163271111	0.153004444	0.144213333	0.126911111	0.121262222	0.124706667	0.128	0.126413333
187	7/4/2022	0.139582222	0.129644444	0.136515556	0.135702222	0.119382222	0.106591111	0.121004444	0.099893333
188	7/5/2022	0.286902222	0.227862222	0.211115556	0.165942222	0.137026667	0.153124444	0.181915556	0.169857778
189	7/6/2022	0.215026667	0.191728889	0.192866667	0.204395556	0.186506667	0.108911111	0.105577778	0.147657778
190	7/7/2022	0.163368889	0.163835556	0.166973333	0.16664	0.199111111	0.229617778	0.236662222	0.223093333
191	7/8/2022	0.216573333	0.272857778	0.293226667	0.368506667	0.405764444	0.355022222	0.331822222	0.282782222
192	7/9/2022	0.289657778	0.264648889	0.282275556	0.279657778	0.283635556	0.315395556	0.312288889	0.297426667
193	7/10/2022	0.113777778	0.098497778	0.095724444	0.093702222	0.086417778	0.082057778	0.074142222	0.081568889

	B	AZ	BA	BB	BC	BD	BE	BF	BG
2	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345
162	6/9/2022	0.067231111	0.089808889	0.093128889	0.087737778	0.074626667	0.063017778	0.051164444	0.059151111
163	6/10/2022	0.163493333	0.145702222	0.131164444	0.131777778	0.152675556	0.161995556	0.166248889	0.180906667
164	6/11/2022	0.07388	0.061422222	0.055231111	0.054844444	0.049942222	0.063257778	0.07196	0.0852
165	6/12/2022	0.280266667	0.278097778	0.281804444	0.257448889	0.259542222	0.237893333	0.264502222	0.280008889
166	6/13/2022	0.235506667	0.236351111	0.241093333	0.228475556	0.212991111	0.226964444	0.201786667	0.192044444
167	6/14/2022	0.119057778	0.111946667	0.104186667	0.108817778	0.094675556	0.09208	0.104586667	0.100968889
168	6/15/2022	0.113706667	0.11432	0.123684444	0.116004444	0.114773333	0.109497778	0.120822222	0.114386667
169	6/16/2022	0.118026667	0.119102222	0.113786667	0.095533333	0.096857778	0.105693333	0.109457778	0.113168889
170	6/17/2022	0.420137778	0.465191111	0.443888889	0.411866667	0.393995556	0.34816	0.287693333	0.169475556
171	6/18/2022	0.033288889	0.035893333	0.031413333	0.028124444	0.032168889	0.035084444	0.024911111	0.034724444
172	6/19/2022	0.058475556	0.051093333	0.031146667	0.036746667	0.042795556	0.035431111	0.029417778	0.023471111
173	6/20/2022	0.050537778	0.0642	0.068946667	0.098991111	0.11592	0.093102222	0.092262222	0.086342222
174	6/21/2022	0.070137778	0.065786667	0.074315556	0.075671111	0.079435556	0.088417778	0.079893333	0.073746667
175	6/22/2022	0.10304	0.097493333	0.104466667	0.107742222	0.10752	0.133186667	0.148177778	0.189817778
176	6/23/2022	0.052862222	0.049186667	0.049315556	0.046822222	0.049217778	0.050337778	0.056128889	0.058146667
177	6/24/2022	0.054973333	0.051875556	0.054737778	0.046893333	0.062124444	0.062995556	0.061626667	0.064608889
178	6/25/2022	0.112173333	0.106097778	0.117471111	0.110417778	0.089591111	0.0984	0.104413333	0.102631111
179	6/26/2022	0.197764444	0.167657778	0.147466667	0.170204444	0.169195556	0.204551111	0.227768889	0.244355556
180	6/27/2022	0.042031111	0.046906667	0.049466667	0.045342222	0.039862222	0.042293333	0.042217778	0.043875556
181	6/28/2022	0.0548	0.048035556	0.039257778	0.035955556	0.029106667	0.033728889	0.038311111	0.034377778
182	6/29/2022	0.033146667	0.031488889	0.037475556	0.033666667	0.036182222	0.039022222	0.045488889	0.053937778
183	6/30/2022	0.048742222	0.064306667	0.060293333	0.05828	0.066191111	0.068053333	0.06408	0.06964
184	7/1/2022	0.170737778	0.165697778	0.228488889	0.236715556	0.223346667	0.188186667	0.178177778	0.229155556
185	7/2/2022	0.140897778	0.163253333	0.149488889	0.134515556	0.147337778	0.194337778	0.184924444	0.185755556
186	7/3/2022	0.119275556	0.105915556	0.108404444	0.098835556	0.089306667	0.089671111	0.111071111	0.112777778
187	7/4/2022	0.106795556	0.114924444	0.114044444	0.113191111	0.114831111	0.124648889	0.136142222	0.117084444
188	7/5/2022	0.149048889	0.162662222	0.150035556	0.151306667	0.161955556	0.208142222	0.209662222	0.332235556
189	7/6/2022	0.127013333	0.1326	0.125204444	0.100266667	0.103866667	0.104551111	0.107946667	0.144488889
190	7/7/2022	0.215484444	0.205875556	0.183608889	0.150813333	0.131257778	0.145395556	0.162311111	0.140933333
191	7/8/2022	0.288195556	0.31528	0.351977778	0.399688889	0.362168889	0.280737778	0.235551111	0.208902222
192	7/9/2022	0.246142222	0.217746667	0.211653333	0.221053333	0.214826667	0.209791111	0.194453333	0.235613333
193	7/10/2022	0.08044	0.076517857	0.076214286	0.06603125	0.06178125	0.063285714	0.068495536	0.06596875

	B	BH	BI	BJ	BK	BL	BM	BN	BO
2	measurement date	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545
162	6/9/2022	0.071124444	0.073986667	0.073826667	0.091106667	0.091582222	0.068168889	0.063075556	0.062977778
163	6/10/2022	0.186213333	0.18684	0.208302222	0.230675556	0.21772	0.194035556	0.179235556	0.190986667
164	6/11/2022	0.086511111	0.099888889	0.109284444	0.108431111	0.14912	0.143871111	0.1564	0.182951111
165	6/12/2022	0.308315556	0.275448889	0.310848889	0.316857778	0.337755556	0.26488	0.201555556	0.209848889
166	6/13/2022	0.223786667	0.1946	0.16536	0.190493333	0.217142222	0.240226667	0.303906667	0.314004444
167	6/14/2022	0.117417778	0.126693333	0.123724444	0.138088889	0.136475556	0.150733333	0.161653333	0.172933333
168	6/15/2022	0.130413333	0.146653333	0.158373333	0.169195556	0.158888889	0.171662222	0.169395556	0.187266667
169	6/16/2022	0.105511111	0.126151111	0.1534	0.167764444	0.185457778	0.232435556	0.289537778	0.293351111
170	6/17/2022	0.131524444	0.160164444	0.110493333	0.111395556	0.111453333	0.134222222	0.152662222	0.16128
171	6/18/2022	0.04252	0.04328	0.045471111	0.04732	0.063275556	0.058306667	0.065284444	0.075248889
172	6/19/2022	0.026533333	0.036248889	0.045377778	0.036831111	0.034648889	0.038817778	0.033631111	0.042902222
173	6/20/2022	0.078568889	0.072795556	0.084248889	0.099688889	0.108457778	0.105826667	0.1052	0.102915556
174	6/21/2022	0.078568889	0.077622222	0.097977778	0.107875556	0.115435556	0.108564444	0.122622222	0.145008889
175	6/22/2022	0.213857778	0.208813333	0.211342222	0.264466667	0.25912	0.26364	0.270711111	0.26868
176	6/23/2022	0.061648889	0.076551111	0.086497778	0.081644444	0.093524444	0.096008889	0.103871111	0.114586667
177	6/24/2022	0.05772	0.075075556	0.075364444	0.069564444	0.07708	0.093657778	0.09332	0.101791111
178	6/25/2022	0.104808889	0.110977778	0.123293333	0.132266667	0.157768889	0.173288889	0.219244444	0.277462222
179	6/26/2022	0.208875556	0.134311111	0.135706667	0.16768	0.148088889	0.186315556	0.194466667	0.157795556
180	6/27/2022	0.048573333	0.05612	0.066026667	0.04412	0.051942222	0.055066667	0.065573333	0.074906667
181	6/28/2022	0.042511111	0.042164444	0.041604444	0.061857778	0.09412	0.089608889	0.063128889	0.071964444
182	6/29/2022	0.050911111	0.045666667	0.045631111	0.050191111	0.054102222	0.062777778	0.06928	0.078973333
183	6/30/2022	0.081915556	0.065733333	0.062066667	0.069977778	0.079995556	0.080924444	0.095351111	0.110684444
184	7/1/2022	0.234191111	0.239333333	0.228791111	0.239915556	0.287853333	0.28188	0.334675556	0.410395556
185	7/2/2022	0.199111111	0.182715556	0.136035556	0.145315556	0.148208889	0.149537778	0.157275556	0.175431111
186	7/3/2022	0.101826667	0.108666667	0.101337778	0.10764	0.127737778	0.133777778	0.151275556	0.161773333
187	7/4/2022	0.106022222	0.111204444	0.117164444	0.105862222	0.113355556	0.128657778	0.121062222	0.125031111
188	7/5/2022	0.390408889	0.363466667	0.328862222	0.382986667	0.415582222	0.359902222	0.309408889	0.15152
189	7/6/2022	0.186026667	0.268773333	0.541315556	0.663493333	0.591937778	0.523533333	0.536582222	0.498386667
190	7/7/2022	0.129946667	0.127311111	0.139866667	0.166253333	0.146831111	0.159693333	0.20944	0.204604444
191	7/8/2022	0.222222222	0.200075556	0.253902222	0.267257778	0.238213333	0.257048889	0.2856	0.249506667
192	7/9/2022	0.215426667	0.19088	0.218417778	0.243	0.231115556	0.208293333	0.212977778	0.196488889
193	7/10/2022	0.063892857	0.075075893	0.094540179	0.098665179	0.085125	0.103339286	0.134665179	0.148375

	B	BP	BQ	BR	BS	BT	BU	BV	BW
2	measurement date	D_1600	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745
162	6/9/2022	0.079608889	0.078484444	0.081706667	0.098648889	0.107035556	0.118688889	0.176648889	0.192831111
163	6/10/2022	0.18704	0.182577778	0.181746667	0.238933333	0.261488889	0.253857778	0.241946667	0.188395556
164	6/11/2022	0.223866667	0.208777778	0.170066667	0.171631111	0.194533333	0.15092	0.18816	0.277586667
165	6/12/2022	0.282248889	0.272075556	0.216791111	0.200231111	0.186893333	0.194511111	0.222208889	0.235071111
166	6/13/2022	0.292693333	0.34092	0.539484444	0.623142222	0.673444444	0.769373333	0.809484444	0.819502222
167	6/14/2022	0.186102222	0.193173333	0.232591111	0.26144	0.29608	0.33992	0.367208889	0.44696
168	6/15/2022	0.212693333	0.226404444	0.219328889	0.242382222	0.270106667	0.30908	0.342964444	0.375546667
169	6/16/2022	0.255622222	0.283426667	0.324417778	0.35896	0.32932	0.339493333	0.399631111	0.418075556
170	6/17/2022	0.173302222	0.15768	0.154408889	0.196542222	0.22336	0.243666667	0.261577778	0.299542222
171	6/18/2022	0.073271111	0.079044444	0.077124444	0.093848889	0.099902222	0.113568889	0.139911111	0.171506667
172	6/19/2022	0.047062222	0.052097778	0.064471111	0.088648889	0.107622222	0.114355556	0.122724444	0.156591111
173	6/20/2022	0.121551111	0.138466667	0.152097778	0.154546667	0.198848889	0.188502222	0.200373333	0.237395556
174	6/21/2022	0.157715556	0.149075556	0.181822222	0.201155556	0.22712	0.259146667	0.280497778	0.352711111
175	6/22/2022	0.267853333	0.360475556	0.625088889	0.785702222	0.782937778	0.696991111	0.688875556	0.679453333
176	6/23/2022	0.142604444	0.140586667	0.141826667	0.169493333	0.192582222	0.233311111	0.244906667	0.271337778
177	6/24/2022	0.105191111	0.092426667	0.118995556	0.158804444	0.191173333	0.217022222	0.238266667	0.257777778
178	6/25/2022	0.323648889	0.344813333	0.292026667	0.213013333	0.2252	0.278404444	0.357471111	0.445391111
179	6/26/2022	0.185226667	0.260626667	0.318826667	0.310391111	0.323395556	0.400342222	0.443586667	0.456733333
180	6/27/2022	0.090911111	0.090497778	0.104822222	0.124435556	0.150533333	0.160444444	0.192177778	0.192315556
181	6/28/2022	0.08768	0.089013333	0.101737778	0.116395556	0.120097778	0.143831111	0.155493333	0.197475556
182	6/29/2022	0.083875556	0.097013333	0.101262222	0.125782222	0.169142222	0.186177778	0.190328889	0.208217778
183	6/30/2022	0.119884444	0.143866667	0.149982222	0.19744	0.224404444	0.254853333	0.27812	0.3108
184	7/1/2022	0.383515556	0.293635556	0.339728889	0.507151111	0.463991111	0.331035556	0.32352	0.377142222
185	7/2/2022	0.187195556	0.189151111	0.195586667	0.196684444	0.238697778	0.240053333	0.276471111	0.327568889
186	7/3/2022	0.167902222	0.178986667	0.193853333	0.212173333	0.243937778	0.274146667	0.311871111	0.356071111
187	7/4/2022	0.138266667	0.168075556	0.193937778	0.197751111	0.206271111	0.227284444	0.258671111	0.316097778
188	7/5/2022	0.142804444	0.157826667	0.172662222	0.18588	0.253435556	0.271226667	0.347471111	0.427368889
189	7/6/2022	0.497862222	0.496026667	0.496031111	0.480613333	0.458231111	0.489022222	0.466142222	0.440573333
190	7/7/2022	0.18876	0.20432	0.270382222	0.286995556	0.327017778	0.35276	0.371244444	0.411151111
191	7/8/2022	0.252337778	0.299093333	0.256208889	0.316528889	0.382306667	0.414831111	0.399924444	0.420128889
192	7/9/2022	0.187435556	0.156977778	0.124902222	0.147253333	0.158871111	0.146431111	0.179031111	0.196146667
193	7/10/2022	0.163004464	0.180558036	0.188607143	0.232491071	0.25965625	0.325660714	0.326754464	0.37046875

	B	BX	BY	BZ	CA	CB	CC	CD	CE
2	measurement date	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945
162	6/9/2022	0.220084444	0.250146667	0.256066667	0.265017778	0.289444444	0.307591111	0.34644	0.394071111
163	6/10/2022	0.159137778	0.161382222	0.228333333	0.260817778	0.294551111	0.351697778	0.402853333	0.402248889
164	6/11/2022	0.229871111	0.2518	0.268604444	0.310386667	0.375955556	0.436386667	0.451711111	0.456066667
165	6/12/2022	0.283862222	0.310644444	0.366604444	0.387551111	0.428893333	0.498897778	0.532551111	0.564795556
166	6/13/2022	0.862444444	0.835893333	0.72868	0.685466667	0.649333333	0.661911111	0.653564444	0.680351111
167	6/14/2022	0.510471111	0.585764444	0.633862222	0.666253333	0.705337778	0.739075556	0.73912	0.769955556
168	6/15/2022	0.443293333	0.509853333	0.528595556	0.555768889	0.634791111	0.6868	0.741777778	0.746573333
169	6/16/2022	0.440866667	0.468026667	0.518897778	0.571644444	0.60984	0.672906667	0.715791111	0.754448889
170	6/17/2022	0.331244444	0.394386667	0.41736	0.454746667	0.486866667	0.544382222	0.564044444	0.584564444
171	6/18/2022	0.192217778	0.219391111	0.248493333	0.281617778	0.318057778	0.327826667	0.349582222	0.386257778
172	6/19/2022	0.178248889	0.222782222	0.257288889	0.27232	0.298533333	0.303817778	0.36248	0.394124444
173	6/20/2022	0.267408889	0.329528889	0.347084444	0.375462222	0.405075556	0.420062222	0.470124444	0.526417778
174	6/21/2022	0.406066667	0.447902222	0.488053333	0.543502222	0.575453333	0.615315556	0.688017778	0.715035556
175	6/22/2022	0.702924444	0.683564444	0.659155556	0.659071111	0.617404444	0.601564444	0.61056	0.620204444
176	6/23/2022	0.307355556	0.363542222	0.422093333	0.439626667	0.487226667	0.563328889	0.57612	0.609377778
177	6/24/2022	0.321684444	0.406186667	0.473631111	0.440893333	0.539302222	0.544035556	0.531026667	0.549955556
178	6/25/2022	0.410911111	0.392968889	0.457644444	0.475075556	0.496306667	0.55256	0.515995556	0.592897778
179	6/26/2022	0.494764444	0.524493333	0.555062222	0.5998	0.626591111	0.544644444	0.533991111	0.625595556
180	6/27/2022	0.216293333	0.273435556	0.332391111	0.384928889	0.413262222	0.434822222	0.463955556	0.503262222
181	6/28/2022	0.212315556	0.2474	0.30736	0.32548	0.358924444	0.371995556	0.40648	0.419951111
182	6/29/2022	0.26536	0.311431111	0.327475556	0.373817778	0.4264	0.467128889	0.483826667	0.502822222
183	6/30/2022	0.351848889	0.421951111	0.462591111	0.520675556	0.548417778	0.591475556	0.609048889	0.646422222
184	7/1/2022	0.50296	0.632226667	0.727217778	0.759111111	0.612684444	0.601417778	0.694373333	0.759377778
185	7/2/2022	0.319555556	0.378737778	0.438497778	0.475542222	0.489595556	0.585742222	0.646991111	0.687417778
186	7/3/2022	0.34636	0.409773333	0.421177778	0.469182222	0.516955556	0.563591111	0.603644444	0.624213333
187	7/4/2022	0.383768889	0.438186667	0.489946667	0.552724444	0.616133333	0.670568889	0.682444444	0.670902222
188	7/5/2022	0.550884444	0.660595556	0.670373333	0.565844444	0.467631111	0.519026667	0.615386667	0.67228
189	7/6/2022	0.437417778	0.449128889	0.433342222	0.441324444	0.415151111	0.40876	0.418084444	0.458524444
190	7/7/2022	0.441057778	0.493164444	0.581817778	0.588133333	0.603368889	0.599844444	0.647186667	0.665262222
191	7/8/2022	0.438288889	0.442635556	0.396328889	0.345631111	0.37704	0.447991111	0.496404444	0.520924444
192	7/9/2022	0.218133333	0.222702222	0.26448	0.328386667	0.3002	0.363422222	0.413155556	0.451755556
193	7/10/2022	0.409767857	0.441660714	0.473258929	0.499209821	0.547767857	0.562736607	0.604647321	0.65228125

	B	CF	CG	CH	CI	CJ	CK	CL	CM
2	measurement date	D_2000	D_2015	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145
162	6/9/2022	0.444746667	0.430786667	0.448888889	0.491044444	0.483484444	0.499333333	0.50248	0.513377778
163	6/10/2022	0.402973333	0.406648889	0.393826667	0.389524444	0.407088889	0.413111111	0.415968889	0.404088889
164	6/11/2022	0.483044444	0.477155556	0.471493333	0.484933333	0.490342222	0.500124444	0.523231111	0.469475556
165	6/12/2022	0.616933333	0.600666667	0.633391111	0.644204444	0.636671111	0.664657778	0.63592	0.658417778
166	6/13/2022	0.666675556	0.663422222	0.641186667	0.635613333	0.664231111	0.668955556	0.672595556	0.634653333
167	6/14/2022	0.808875556	0.832017778	0.861551111	0.887773333	0.898031111	0.923288889	0.914373333	0.896533333
168	6/15/2022	0.768	0.80088	0.840715556	0.869182222	0.853337778	0.855035556	0.830817778	0.821257778
169	6/16/2022	0.766084444	0.799013333	0.833382222	0.874871111	0.872053333	0.859186667	0.836057778	0.838008889
170	6/17/2022	0.622768889	0.620386667	0.676942222	0.682817778	0.692093333	0.692102222	0.677822222	0.682404444
171	6/18/2022	0.388551111	0.429991111	0.459551111	0.467573333	0.474146667	0.488368889	0.514573333	0.488875556
172	6/19/2022	0.4074	0.432297778	0.439915556	0.488813333	0.503271111	0.513288889	0.494075556	0.493097778
173	6/20/2022	0.581182222	0.569386667	0.581866667	0.629062222	0.63708	0.603688889	0.582688889	0.601542222
174	6/21/2022	0.751568889	0.747035556	0.799324444	0.820444444	0.822297778	0.826648889	0.770155556	0.775924444
175	6/22/2022	0.557262222	0.552662222	0.590315556	0.631568889	0.613724444	0.615617778	0.60308	0.628622222
176	6/23/2022	0.61888	0.666075556	0.662008889	0.686657778	0.690013333	0.703093333	0.681133333	0.659577778
177	6/24/2022	0.617608889	0.584244444	0.603168889	0.643355556	0.656004444	0.636346667	0.630493333	0.625106667
178	6/25/2022	0.632191111	0.654955556	0.702991111	0.72428	0.7258	0.701977778	0.696102222	0.687902222
179	6/26/2022	0.63756	0.673337778	0.749684444	0.715528889	0.678084444	0.668617778	0.69752	0.705906667
180	6/27/2022	0.549088889	0.574413333	0.581644444	0.603484444	0.569742222	0.552342222	0.547222222	0.535084444
181	6/28/2022	0.49476	0.494631111	0.499955556	0.523417778	0.527057778	0.52976	0.512995556	0.502608889
182	6/29/2022	0.564346667	0.607528889	0.586546667	0.596324444	0.588031111	0.584497778	0.60248	0.616222222
183	6/30/2022	0.647675556	0.70088	0.715768889	0.718804444	0.723564444	0.725342222	0.736662222	0.701626667
184	7/1/2022	0.757151111	0.744288889	0.792617778	0.812266667	0.780373333	0.779844444	0.764404444	0.74592
185	7/2/2022	0.621182222	0.633368889	0.655791111	0.690555556	0.674284444	0.704551111	0.704297778	0.685622222
186	7/3/2022	0.651128889	0.673777778	0.685693333	0.689591111	0.695888889	0.696822222	0.717275556	0.67188
187	7/4/2022	0.68612	0.714631111	0.763888889	0.801377778	0.78944	0.767111111	0.761195556	0.755542222
188	7/5/2022	0.706257778	0.720048889	0.76976	0.800382222	0.785488889	0.784302222	0.806711111	0.799297778
189	7/6/2022	0.510048889	0.537008889	0.553342222	0.55304	0.595591111	0.626342222	0.616368889	0.613968889
190	7/7/2022	0.668448889	0.685808889	0.721475556	0.721693333	0.722475556	0.693333333	0.712502222	0.716053333
191	7/8/2022	0.576297778	0.57156	0.580208889	0.585551111	0.600982222	0.602835556	0.572582222	0.59252
192	7/9/2022	0.448008889	0.487444444	0.476995556	0.49848	0.537848889	0.521248889	0.530551111	0.543151111
193	7/10/2022	0.654232143	0.6515	0.638165179	0.659866071	0.681008929	0.711883929	0.687294643	0.666839286

	B	CN	CO	CP	CQ	CR	CS	CT	CU
2	measurement date	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345
162	6/9/2022	0.490431111	0.474297778	0.458524444	0.439497778	0.415253333	0.40104	0.38572	0.382702222
163	6/10/2022	0.401724444	0.417742222	0.396506667	0.389493333	0.378546667	0.344857778	0.341493333	0.313084444
164	6/11/2022	0.496008889	0.474004444	0.450911111	0.462946667	0.470155556	0.439	0.432431111	0.427426667
165	6/12/2022	0.63508	0.656524444	0.637737778	0.575822222	0.578177778	0.557048889	0.543617778	0.512764444
166	6/13/2022	0.630591111	0.591604444	0.548835556	0.563426667	0.572973333	0.537831111	0.531288889	0.4952
167	6/14/2022	0.867844444	0.843862222	0.810404444	0.791297778	0.778364444	0.739893333	0.719355556	0.715524444
168	6/15/2022	0.814755556	0.812728889	0.771866667	0.768346667	0.74908	0.737444444	0.714222222	0.668413333
169	6/16/2022	0.828533333	0.816835556	0.814804444	0.782617778	0.742817778	0.719617778	0.70416	0.673626667
170	6/17/2022	0.645964444	0.643471111	0.629666667	0.62428	0.592271111	0.605546667	0.5614	0.541777778
171	6/18/2022	0.468893333	0.463124444	0.437497778	0.441946667	0.417377778	0.407817778	0.391422222	0.364857778
172	6/19/2022	0.503773333	0.504733333	0.486297778	0.456568889	0.403391111	0.374982222	0.36336	0.339137778
173	6/20/2022	0.601231111	0.570266667	0.550644444	0.50424	0.501164444	0.488471111	0.433555556	0.433142222
174	6/21/2022	0.804191111	0.742577778	0.737128889	0.721204444	0.679822222	0.675537778	0.615866667	0.588631111
175	6/22/2022	0.6242	0.610764444	0.624782222	0.573266667	0.559928889	0.538208889	0.510502222	0.498471111
176	6/23/2022	0.649555556	0.64996	0.655395556	0.593822222	0.580151111	0.541311111	0.515462222	0.511146667
177	6/24/2022	0.630804444	0.595724444	0.591746667	0.55536	0.538511111	0.542577778	0.507906667	0.481791111
178	6/25/2022	0.702084444	0.678133333	0.660688889	0.652808889	0.629044444	0.5916	0.588217778	0.550977778
179	6/26/2022	0.675635556	0.669582222	0.655284444	0.610697778	0.586155556	0.575733333	0.564764444	0.539844444
180	6/27/2022	0.537044444	0.542551111	0.520004444	0.505217778	0.47856	0.45884	0.422008889	0.395395556
181	6/28/2022	0.471697778	0.505688889	0.483768889	0.453173333	0.442266667	0.408906667	0.398128889	0.379026667
182	6/29/2022	0.594213333	0.595368889	0.571848889	0.524431111	0.494688889	0.492648889	0.445466667	0.429648889
183	6/30/2022	0.703782222	0.710102222	0.698915556	0.678226667	0.642395556	0.657057778	0.605013333	0.598653333
184	7/1/2022	0.720324444	0.737311111	0.708044444	0.684657778	0.681208889	0.643706667	0.621097778	0.622435556
185	7/2/2022	0.660422222	0.678795556	0.684457778	0.673271111	0.650466667	0.63564	0.636844444	0.606008889
186	7/3/2022	0.695706667	0.664053333	0.61964	0.640142222	0.614448889	0.572666667	0.575853333	0.560622222
187	7/4/2022	0.74404	0.72384	0.737088889	0.715968889	0.728315556	0.693586667	0.651751111	0.627955556
188	7/5/2022	0.770524444	0.760644444	0.749786667	0.729302222	0.722173333	0.70088	0.660737778	0.656693333
189	7/6/2022	0.600622222	0.588444444	0.576848889	0.547044444	0.52948	0.508102222	0.48664	0.463693333
190	7/7/2022	0.709462222	0.657564444	0.666848889	0.642666667	0.609711111	0.595728889	0.599751111	0.559017778
191	7/8/2022	0.576617778	0.558764444	0.542182222	0.534106667	0.502444444	0.487	0.479128889	0.452088889
192	7/9/2022	0.559786667	0.53472	0.525022222	0.524448889	0.515408889	0.504484444	0.473831111	0.453031111
193	7/10/2022	0.640915179	0.624651786	0.603830357	0.589388393	0.584205357	0.585290179	0.530522321	0.506370536

	B	CV	CW	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB
2	measurement date	D_2400		1	2	3	4	5	6	7	8	9	10	11	12
162	6/9/2022	0.346955556	0.44	1.28	1.11	1.06	0.94	0.92	0.97	1.00	0.88	0.68	0.38	0.41	0.36
163	6/10/2022	0.299746667	0.40	1.35	1.18	1.14	1.02	0.98	0.98	1.00	0.73	0.55	0.40	0.32	0.55
164	6/11/2022	0.404973333	0.48	1.17	1.04	0.96	0.92	0.87	0.90	0.92	0.62	0.48	0.40	0.41	0.34
165	6/12/2022	0.499404444	0.62	1.46	1.32	1.16	1.09	1.04	1.00	1.02	0.80	0.69	0.58	0.63	0.94
166	6/13/2022	0.466537778	0.86	1.78	1.59	1.45	1.40	1.31	1.26	1.33	1.18	0.95	0.84	0.71	0.92
167	6/14/2022	0.701897778	0.81	1.72	1.51	1.43	1.36	1.29	1.35	1.37	1.19	1.09	0.80	0.63	0.50
168	6/15/2022	0.660795556	0.77	2.46	2.29	2.12	1.98	1.89	1.78	1.66	1.46	1.22	0.79	0.67	0.51
169	6/16/2022	0.669648889	0.77	2.56	2.34	2.11	2.03	1.91	1.80	1.78	1.48	1.19	0.81	0.60	0.47
170	6/17/2022	0.535244444	0.62	2.48	2.28	2.11	1.99	1.89	1.76	1.70	1.51	1.24	0.99	0.87	1.38
171	6/18/2022	0.375288889	0.39	1.91	1.64	1.44	1.30	1.14	1.10	1.04	0.88	0.68	0.43	0.23	0.16
172	6/19/2022	0.340302222	0.41	1.32	1.13	1.07	0.97	0.95	0.90	0.85	0.71	0.49	0.37	0.27	0.23
173	6/20/2022	0.395497778	0.58	1.23	1.06	1.03	0.98	0.97	0.99	0.96	0.71	0.59	0.36	0.29	0.22
174	6/21/2022	0.556968889	0.75	1.52	1.32	1.19	1.06	0.99	1.03	0.95	0.78	0.60	0.45	0.36	0.33
175	6/22/2022	0.475595556	0.79	2.13	1.86	1.67	1.54	1.46	1.32	1.31	1.15	0.93	0.75	0.56	0.44
176	6/23/2022	0.47128	0.62	1.69	1.45	1.30	1.18	1.11	1.10	1.12	0.98	0.81	0.50	0.32	0.23
177	6/24/2022	0.487057778	0.62	1.71	1.46	1.26	1.17	1.05	1.05	1.03	0.86	0.70	0.51	0.32	0.22
178	6/25/2022	0.5486	0.63	1.67	1.47	1.24	1.16	1.09	1.06	1.01	0.79	0.64	0.59	0.46	0.44
179	6/26/2022	0.515168889	0.64	2.06	1.79	1.63	1.53	1.48	1.43	1.34	1.17	0.90	0.77	0.57	0.71
180	6/27/2022	0.400444444	0.55	1.88	1.65	1.49	1.27	1.19	1.12	1.11	0.92	0.75	0.50	0.37	0.25
181	6/28/2022	0.355586667	0.49	1.38	1.18	1.08	1.02	0.95	0.97	1.01	0.63	0.43	0.32	0.20	0.15
182	6/29/2022	0.415102222	0.56	1.34	1.11	1.00	0.95	0.92	0.93	0.95	0.71	0.58	0.37	0.18	0.16
183	6/30/2022	0.582071111	0.65	1.54	1.34	1.18	1.11	1.01	1.05	1.02	0.76	0.60	0.44	0.31	0.24
184	7/1/2022	0.640608889	0.76	2.14	1.92	1.79	1.70	1.57	1.51	1.51	1.37	1.17	0.83	0.67	0.60
185	7/2/2022	0.58884	0.69	2.27	2.01	1.88	1.67	1.58	1.45	1.50	1.35	0.96	0.79	0.72	0.53
186	7/3/2022	0.535048889	0.65	2.22	1.91	1.72	1.56	1.48	1.42	1.31	1.02	0.84	0.71	0.55	0.50
187	7/4/2022	0.618813333	0.69	1.95	1.80	1.55	1.40	1.25	1.19	1.15	0.99	0.79	0.67	0.52	0.43
188	7/5/2022	0.625186667	0.71	2.20	1.96	1.84	1.71	1.64	1.64	1.65	1.40	1.20	1.09	0.74	0.65
189	7/6/2022	0.462191111	0.66	2.16	2.00	1.87	1.79	1.71	1.70	1.72	1.53	1.14	0.92	0.78	0.49
190	7/7/2022	0.522275556	0.67	1.66	1.44	1.35	1.24	1.23	1.20	1.21	1.05	0.89	0.73	0.70	0.90
191	7/8/2022	0.452173333	0.58	2.03	1.80	1.69	1.54	1.44	1.43	1.39	1.27	1.01	0.87	1.34	1.26
192	7/9/2022	0.446	0.45	1.68	1.54	1.36	1.29	1.21	1.18	1.20	1.23	1.16	1.12	1.11	1.17
193	7/10/2022	0.486428571	0.65	1.61	1.36	1.22	1.13	1.05	0.98	0.93	0.75	0.66	0.51	0.37	0.32

	B	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
2	measurement date	13	14	15	16	17	18	19	20	21	22	23	24
162	6/9/2022	0.35	0.24	0.33	0.27	0.37	0.71	1.06	1.49	1.85	2.01	1.79	1.52
163	6/10/2022	0.56	0.70	0.84	0.75	0.86	0.84	0.95	1.56	1.60	1.63	1.58	1.30
164	6/11/2022	0.22	0.31	0.47	0.71	0.75	0.85	1.21	1.83	1.92	1.99	1.86	1.70
165	6/12/2022	1.08	1.09	1.24	0.96	0.88	0.94	1.49	2.21	2.51	2.59	2.45	2.11
166	6/13/2022	0.92	0.84	0.77	1.15	2.18	3.26	2.90	2.66	2.60	2.61	2.28	2.03
167	6/14/2022	0.42	0.42	0.52	0.67	0.98	1.66	2.59	3.06	3.48	3.60	3.22	2.88
168	6/15/2022	0.47	0.48	0.63	0.74	0.96	1.47	2.23	2.94	3.36	3.32	3.10	2.78
169	6/16/2022	0.43	0.43	0.63	1.07	1.30	1.60	2.17	2.91	3.38	3.36	3.16	2.77
170	6/17/2022	1.71	0.94	0.49	0.62	0.73	1.14	1.75	2.32	2.67	2.70	2.49	2.24
171	6/18/2022	0.13	0.14	0.20	0.27	0.35	0.62	1.07	1.45	1.83	1.96	1.76	1.54
172	6/19/2022	0.16	0.11	0.15	0.16	0.31	0.57	1.05	1.47	1.86	2.00	1.85	1.42
173	6/20/2022	0.35	0.35	0.37	0.44	0.64	0.89	1.46	2.00	2.42	2.39	2.13	1.75
174	6/21/2022	0.30	0.32	0.40	0.53	0.76	1.30	2.05	2.77	3.19	3.18	2.88	2.44
175	6/22/2022	0.42	0.69	0.94	1.07	2.55	2.77	2.62	2.39	2.39	2.47	2.37	2.02
176	6/23/2022	0.19	0.23	0.34	0.46	0.64	1.06	1.71	2.37	2.70	2.69	2.48	2.04
177	6/24/2022	0.22	0.25	0.30	0.39	0.56	1.03	1.86	2.24	2.49	2.52	2.28	2.02
178	6/25/2022	0.42	0.41	0.52	0.99	1.08	1.49	1.82	2.29	2.81	2.79	2.62	2.28
179	6/26/2022	0.65	0.89	0.59	0.72	1.21	1.80	2.31	2.34	2.82	2.75	2.52	2.20
180	6/27/2022	0.18	0.18	0.22	0.29	0.47	0.76	1.40	1.95	2.33	2.17	2.05	1.68
181	6/28/2022	0.15	0.15	0.24	0.31	0.43	0.71	1.24	1.69	2.05	2.02	1.88	1.54
182	6/29/2022	0.14	0.19	0.20	0.29	0.49	0.85	1.44	2.02	2.38	2.40	2.19	1.78
183	6/30/2022	0.25	0.28	0.28	0.41	0.72	1.20	1.95	2.49	2.86	2.87	2.73	2.44
184	7/1/2022	0.85	0.83	1.00	1.41	1.60	1.53	2.73	2.81	3.13	3.01	2.81	2.53
185	7/2/2022	0.59	0.76	0.61	0.67	0.82	1.16	1.78	2.54	2.65	2.75	2.69	2.47
186	7/3/2022	0.40	0.42	0.45	0.61	0.83	1.29	1.82	2.44	2.74	2.78	2.54	2.24
187	7/4/2022	0.46	0.48	0.45	0.51	0.77	1.19	2.10	2.71	3.07	3.03	2.91	2.59
188	7/5/2022	0.63	1.14	1.49	0.96	0.77	1.60	2.36	2.51	3.08	3.16	2.96	2.64
189	7/6/2022	0.46	0.54	2.07	2.06	1.93	1.83	1.74	1.80	2.24	2.46	2.24	1.92
190	7/7/2022	0.67	0.58	0.58	0.76	1.09	1.58	2.27	2.58	2.85	2.83	2.58	2.28
191	7/8/2022	1.43	0.95	0.96	1.04	1.25	1.67	1.56	2.04	2.34	2.34	2.14	1.87
192	7/9/2022	0.87	0.86	0.88	0.81	0.59	0.74	1.12	1.68	2.00	2.15	2.10	1.88
193	7/10/2022	0.28	0.26	0.35	0.55	0.86	1.43	1.96	2.47	2.63	2.71	2.40	2.11

	B	C	D	E	F	G	H	I	J	K
2	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145
194	7/11/2022	7	1	0.473129464	0.425513393	0.424366071	0.412008929	0.393214286	0.38040625	0.370013393
195	7/12/2022	7	2	0.521443925	0.490219626	0.482158879	0.45672	0.46536	0.466546667	0.44408
196	7/13/2022	7	3	0.50564	0.49872	0.500635556	0.475288889	0.436697778	0.443444444	0.42192
197	7/14/2022	7	4	0.504857778	0.486728889	0.460795556	0.448955556	0.429124444	0.427635556	0.403297778
198	7/15/2022	7	5	0.440782222	0.438986667	0.426528889	0.439728889	0.399564444	0.391613333	0.379164444
199	7/16/2022	7	6	0.49576	0.467684444	0.456208889	0.449604444	0.441262222	0.40168	0.393626667
200	7/17/2022	7	7	0.567844444	0.565675556	0.546337778	0.556924444	0.536737778	0.513248889	0.487391111
201	7/18/2022	7	1	0.420431111	0.385671111	0.368426667	0.366497778	0.358648889	0.361017778	0.361555556
202	7/19/2022	7	2	0.443035556	0.442431111	0.419626667	0.397422222	0.394995556	0.369373333	0.368057778
203	7/20/2022	7	3	0.540453333	0.522137778	0.528457778	0.487657778	0.493973333	0.478653333	0.454942222
204	7/21/2022	7	4	0.68384	0.685275556	0.643657778	0.622151111	0.595457778	0.572577778	0.555951111
205	7/22/2022	7	5	0.559244444	0.537124444	0.532666667	0.509453333	0.487973333	0.477493333	0.456764444
206	7/23/2022	7	6	0.614937778	0.614008889	0.582337778	0.592244444	0.528302222	0.531884444	0.498417778
207	7/24/2022	7	7	0.580537778	0.572386667	0.547866667	0.5442	0.524155556	0.527377778	0.503991111
208	7/25/2022	7	1	0.584306667	0.562804444	0.527151111	0.511786667	0.52084	0.512826667	0.503328889
209	7/26/2022	7	2	0.422897778	0.39884	0.382644444	0.391862222	0.389057778	0.35792	0.365155556
210	7/27/2022	7	3	0.43272	0.397364444	0.399728889	0.372982222	0.376422222	0.35636	0.33628
211	7/28/2022	7	4	0.444715556	0.444577778	0.419982222	0.393448889	0.375937778	0.385253333	0.361204444
212	7/29/2022	7	5	0.492951111	0.494075556	0.461995556	0.478613333	0.467248889	0.442493333	0.418288889
213	7/30/2022	7	6	0.409911111	0.395431111	0.394475556	0.373902222	0.350591111	0.36392	0.343697778
214	7/31/2022	7	7	0.418626667	0.41328	0.378768889	0.38196	0.362866667	0.351186667	0.364275556
215	8/1/2022	8	1	0.412093333	0.384968889	0.354408889	0.357644444	0.334373333	0.334915556	0.345297778
216	8/2/2022	8	2	0.48492	0.491053333	0.467115556	0.465031111	0.429062222	0.446364444	0.415368889
217	8/3/2022	8	3	0.48572	0.476493333	0.452026667	0.447133333	0.429075556	0.411013333	0.411648889
218	8/4/2022	8	4	0.531342222	0.537537778	0.536253333	0.514124444	0.515333333	0.489964444	0.472893333
219	8/5/2022	8	5	0.44192	0.421844444	0.432266667	0.409582222	0.419191111	0.386453333	0.390346667
220	8/6/2022	8	6	0.4876	0.460964444	0.468257778	0.457524444	0.440093333	0.415426667	0.396097778
221	8/7/2022	8	7	0.434817778	0.450106667	0.421368889	0.401395556	0.406742222	0.396502222	0.381293333
222	8/8/2022	8	1	0.527568889	0.518097778	0.488368889	0.486057778	0.465417778	0.458222222	0.448644444
223	8/9/2022	8	2	0.613364444	0.587222222	0.560844444	0.553986667	0.550271111	0.525675556	0.500106667
224	8/10/2022	8	3	0.527591111	0.520217778	0.492884444	0.482444444	0.464315556	0.446133333	0.442097778
225	8/11/2022	8	4	0.437902222	0.4402	0.417977778	0.406231111	0.383102222	0.366702222	0.362177778

	B	L	M	N	O	P	Q	R	S
2	measurement date	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330	D_0345
194	7/11/2022	0.357986607	0.335901786	0.360736607	0.330892857	0.324808036	0.330191964	0.310129464	0.297049107
195	7/12/2022	0.443586667	0.410995556	0.427991111	0.431826667	0.413177778	0.409226667	0.396804444	0.382173333
196	7/13/2022	0.414453333	0.398613333	0.391533333	0.381444444	0.38008	0.362666667	0.350151111	0.353257778
197	7/14/2022	0.376937778	0.40072	0.399395556	0.383484444	0.376031111	0.367244444	0.355275556	0.345133333
198	7/15/2022	0.387671111	0.348817778	0.358288889	0.348728889	0.340426667	0.337355556	0.322822222	0.330275556
199	7/16/2022	0.409142222	0.406515556	0.376693333	0.37056	0.353097778	0.357462222	0.35648	0.327671111
200	7/17/2022	0.472408889	0.475702222	0.463848889	0.468693333	0.457408889	0.45048	0.454542222	0.433813333
201	7/18/2022	0.346946667	0.339644444	0.321342222	0.321866667	0.29716	0.310773333	0.290946667	0.300773333
202	7/19/2022	0.374	0.355102222	0.345617778	0.344746667	0.348808889	0.319022222	0.316453333	0.317466667
203	7/20/2022	0.451315556	0.445568889	0.440062222	0.448671111	0.436048889	0.419728889	0.432515556	0.398933333
204	7/21/2022	0.548617778	0.513848889	0.531964444	0.523844444	0.491924444	0.466288889	0.467582222	0.434364444
205	7/22/2022	0.438106667	0.435293333	0.405591111	0.397351111	0.403057778	0.408115556	0.392502222	0.416346667
206	7/23/2022	0.498333333	0.485413333	0.463075556	0.491355556	0.460128889	0.459608889	0.430644444	0.418902222
207	7/24/2022	0.484248889	0.478724444	0.497177778	0.473573333	0.501577778	0.473062222	0.482426667	0.458324444
208	7/25/2022	0.468235556	0.47332	0.47664	0.458973333	0.447897778	0.443577778	0.450697778	0.433497778
209	7/26/2022	0.344497778	0.354524444	0.344857778	0.342097778	0.333	0.326151111	0.331662222	0.321035556
210	7/27/2022	0.351253333	0.338026667	0.323128889	0.326622222	0.32032	0.313462222	0.305106667	0.29404
211	7/28/2022	0.369835556	0.372457778	0.341142222	0.360524444	0.33516	0.321328889	0.332235556	0.307742222
212	7/29/2022	0.413031111	0.416835556	0.398893333	0.406222222	0.396857778	0.392008889	0.363773333	0.368222222
213	7/30/2022	0.328502222	0.316226667	0.299008889	0.290404444	0.271404444	0.276542222	0.257653333	0.267453333
214	7/31/2022	0.340097778	0.337546667	0.333324444	0.319213333	0.303044444	0.317666667	0.313733333	0.303355556
215	8/1/2022	0.331862222	0.317422222	0.318204444	0.308395556	0.318057778	0.292373333	0.297177778	0.284102222
216	8/2/2022	0.42528	0.415373333	0.397057778	0.378235556	0.393431111	0.358013333	0.346444444	0.372764444
217	8/3/2022	0.386657778	0.395804444	0.381186667	0.380031111	0.350724444	0.346577778	0.350777778	0.339115556
218	8/4/2022	0.475675556	0.48536	0.467484444	0.468453333	0.448373333	0.431351111	0.418457778	0.433928889
219	8/5/2022	0.374884444	0.371542222	0.363124444	0.369591111	0.351622222	0.357253333	0.345915556	0.337911111
220	8/6/2022	0.40156	0.391448889	0.367924444	0.371017778	0.385555556	0.377702222	0.368822222	0.358422222
221	8/7/2022	0.379217778	0.387057778	0.36528	0.337151111	0.321124444	0.316808889	0.325773333	0.327177778
222	8/8/2022	0.443204444	0.423751111	0.416702222	0.39676	0.387337778	0.386995556	0.368835556	0.343404444
223	8/9/2022	0.528622222	0.480253333	0.496173333	0.486462222	0.465271111	0.453724444	0.428288889	0.439115556
224	8/10/2022	0.434102222	0.415608889	0.432973333	0.417795556	0.416008889	0.375404444	0.40072	0.354062222
225	8/11/2022	0.345048889	0.334746667	0.335386667	0.3354	0.336413333	0.317631111	0.313951111	0.297657778

	B	T	U	V	W	X	Y	Z	AA
2	measurement date	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545
194	7/11/2022	0.30015625	0.300035714	0.295611607	0.306852679	0.299428571	0.278714286	0.28359375	0.266160714
195	7/12/2022	0.379848889	0.368146667	0.371733333	0.386546667	0.346617778	0.359515556	0.363191111	0.346106667
196	7/13/2022	0.3288	0.335648889	0.326386667	0.320266667	0.318222222	0.324	0.313084444	0.311897778
197	7/14/2022	0.329822222	0.331328889	0.330937778	0.338622222	0.333617778	0.334124444	0.319244444	0.317315556
198	7/15/2022	0.297248889	0.294022222	0.311413333	0.295888889	0.292506667	0.286795556	0.284955556	0.294293333
199	7/16/2022	0.32548	0.345271111	0.353728889	0.344737778	0.344368889	0.328902222	0.316751111	0.321666667
200	7/17/2022	0.424306667	0.436644444	0.418764444	0.400457778	0.403231111	0.404924444	0.398377778	0.399275556
201	7/18/2022	0.323182222	0.306395556	0.300395556	0.286111111	0.29192	0.280582222	0.282555556	0.298982222
202	7/19/2022	0.297168889	0.284613333	0.30116	0.31792	0.300391111	0.304537778	0.302288889	0.2798
203	7/20/2022	0.388897778	0.372457778	0.390622222	0.378235556	0.390644444	0.36156	0.356448889	0.34964
204	7/21/2022	0.442048889	0.442617778	0.417426667	0.4112	0.427293333	0.376568889	0.378617778	0.387257778
205	7/22/2022	0.377688889	0.376875556	0.363293333	0.348768889	0.349551111	0.354404444	0.348142222	0.338866667
206	7/23/2022	0.405288889	0.401586667	0.414635556	0.417875556	0.401093333	0.400728889	0.391502222	0.403893333
207	7/24/2022	0.440311111	0.453675556	0.447875556	0.418031111	0.429497778	0.417631111	0.387471111	0.4156
208	7/25/2022	0.434902222	0.427266667	0.409306667	0.406408889	0.42828	0.405266667	0.392591111	0.395591111
209	7/26/2022	0.321071111	0.3132	0.314782222	0.322115556	0.316488889	0.319457778	0.302844444	0.313435556
210	7/27/2022	0.295613333	0.313897778	0.297928889	0.293102222	0.296008889	0.299195556	0.286551111	0.295364444
211	7/28/2022	0.307382222	0.318715556	0.298871111	0.30492	0.318884444	0.33572	0.302133333	0.313613333
212	7/29/2022	0.366071111	0.376164444	0.370804444	0.350742222	0.357048889	0.343413333	0.360217778	0.37172
213	7/30/2022	0.25344	0.243124444	0.24664	0.254151111	0.254382222	0.259146667	0.246257778	0.24436
214	7/31/2022	0.295057778	0.287711111	0.291164444	0.291924444	0.292746667	0.263191111	0.264933333	0.270573333
215	8/1/2022	0.294777778	0.31304	0.301355556	0.280257778	0.280315556	0.278173333	0.271786667	0.280155556
216	8/2/2022	0.352315556	0.341462222	0.347111111	0.341955556	0.333875556	0.341515556	0.340164444	0.318444444
217	8/3/2022	0.323542222	0.333986667	0.314288889	0.317137778	0.307404444	0.304386667	0.298244444	0.298622222
218	8/4/2022	0.4286	0.427102222	0.41464	0.390653333	0.397613333	0.382666667	0.38708	0.362075556
219	8/5/2022	0.326493333	0.339511111	0.347551111	0.331737778	0.313866667	0.3196	0.330173333	0.318431111
220	8/6/2022	0.361355556	0.365053333	0.366542222	0.363422222	0.36668	0.359564444	0.350915556	0.353177778
221	8/7/2022	0.310791111	0.309435556	0.314297778	0.295675556	0.299657778	0.286897778	0.28152	0.277355556
222	8/8/2022	0.345951111	0.340844444	0.364515556	0.331395556	0.363048889	0.348897778	0.341475556	0.354964444
223	8/9/2022	0.447826667	0.423284444	0.40364	0.402453333	0.416431111	0.397351111	0.395266667	0.397111111
224	8/10/2022	0.349248889	0.363311111	0.358164444	0.343031111	0.351693333	0.352035556	0.34752	0.348444444
225	8/11/2022	0.306097778	0.304688889	0.302702222	0.303182222	0.301262222	0.291026667	0.2946	0.293537778

	B	AB	AC	AD	AE	AF	AG	AH	AI
2	measurement date	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730	D_0745
194	7/11/2022	0.28009375	0.283258929	0.300933036	0.290808036	0.278272321	0.258508929	0.253799107	0.242642857
195	7/12/2022	0.361746667	0.364035556	0.377488889	0.372004444	0.339586667	0.354351111	0.31592	0.305884444
196	7/13/2022	0.309337778	0.308057778	0.325324444	0.311631111	0.322204444	0.301955556	0.281804444	0.257764444
197	7/14/2022	0.332662222	0.32036	0.332902222	0.323577778	0.299706667	0.296577778	0.298511111	0.276782222
198	7/15/2022	0.291826667	0.30012	0.289911111	0.29776	0.274671111	0.255137778	0.246271111	0.213293333
199	7/16/2022	0.329786667	0.330506667	0.324244444	0.317764444	0.289368889	0.248204444	0.232208889	0.223177778
200	7/17/2022	0.396497778	0.386826667	0.379266667	0.398408889	0.405364444	0.404031111	0.400062222	0.424586667
201	7/18/2022	0.294631111	0.305422222	0.313702222	0.316466667	0.341591111	0.341737778	0.346337778	0.352884444
202	7/19/2022	0.291533333	0.297728889	0.326951111	0.31924	0.301808889	0.284191111	0.26288	0.275257778
203	7/20/2022	0.365542222	0.347266667	0.349728889	0.380186667	0.378693333	0.350915556	0.323675556	0.295528889
204	7/21/2022	0.38732	0.382431111	0.391831111	0.377675556	0.377328889	0.382671111	0.368164444	0.401671111
205	7/22/2022	0.343342222	0.350075556	0.345462222	0.347724444	0.346013333	0.3404	0.347635556	0.300368889
206	7/23/2022	0.39768	0.3876	0.364808889	0.37688	0.352453333	0.317155556	0.276906667	0.275764444
207	7/24/2022	0.410884444	0.391173333	0.391324444	0.391844444	0.412195556	0.364644444	0.354106667	0.365217778
208	7/25/2022	0.387222222	0.39428	0.412253333	0.42572	0.434022222	0.403675556	0.392146667	0.400124444
209	7/26/2022	0.301893333	0.301786667	0.301386667	0.313435556	0.361115556	0.350737778	0.35192	0.389373333
210	7/27/2022	0.297697778	0.307426667	0.313115556	0.330791111	0.32436	0.336786667	0.310195556	0.310613333
211	7/28/2022	0.315128889	0.316893333	0.324226667	0.329746667	0.308057778	0.332595556	0.311391111	0.278457778
212	7/29/2022	0.368911111	0.348768889	0.354511111	0.371924444	0.376195556	0.360808889	0.319084444	0.294768889
213	7/30/2022	0.238404444	0.252875556	0.23096	0.23192	0.243924444	0.219222222	0.213097778	0.212262222
214	7/31/2022	0.2668	0.264435556	0.283413333	0.294711111	0.283088889	0.291666667	0.28812	0.317662222
215	8/1/2022	0.278795556	0.287693333	0.2998	0.314822222	0.341097778	0.340186667	0.317675556	0.261168889
216	8/2/2022	0.343422222	0.331533333	0.316662222	0.333368889	0.323804444	0.323017778	0.287386667	0.259728889
217	8/3/2022	0.307942222	0.307426667	0.309888889	0.308626667	0.294644444	0.303164444	0.308853333	0.27576
218	8/4/2022	0.375888889	0.388346667	0.379888889	0.369644444	0.376208889	0.389666667	0.388097778	0.368533333
219	8/5/2022	0.322968889	0.308084444	0.316893333	0.339817778	0.327257778	0.314057778	0.325835556	0.343573333
220	8/6/2022	0.350871111	0.343973333	0.34148	0.337293333	0.342555556	0.338026667	0.342808889	0.349826667
221	8/7/2022	0.284173333	0.294346667	0.292906667	0.298564444	0.306568889	0.27472	0.258386667	0.26088
222	8/8/2022	0.353742222	0.35136	0.359222222	0.361346667	0.341848889	0.363742222	0.332835556	0.321911111
223	8/9/2022	0.380013333	0.390835556	0.411928889	0.377986667	0.405795556	0.407857778	0.400168889	0.355333333
224	8/10/2022	0.350551111	0.362146667	0.393617778	0.359528889	0.387071111	0.388488889	0.390195556	0.376591111
225	8/11/2022	0.288093333	0.299	0.304066667	0.303457778	0.302862222	0.301337778	0.291475556	0.273777778

	B	AJ	AK	AL	AM	AN	AO	AP	AQ
2	measurement date	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945
194	7/11/2022	0.21228125	0.221558036	0.215017857	0.200138393	0.198549107	0.169691964	0.166866071	0.137433036
195	7/12/2022	0.279848889	0.277577778	0.261297778	0.257613333	0.221688889	0.21312	0.190973333	0.178324444
196	7/13/2022	0.245822222	0.237946667	0.232835556	0.227235556	0.186146667	0.157977778	0.150502222	0.135453333
197	7/14/2022	0.241706667	0.278862222	0.240546667	0.196755556	0.177986667	0.19364	0.1676	0.147342222
198	7/15/2022	0.228062222	0.214013333	0.194542222	0.1696	0.172622222	0.146386667	0.146795556	0.134848889
199	7/16/2022	0.203355556	0.197417778	0.207413333	0.209728889	0.213537778	0.227364444	0.210057778	0.227742222
200	7/17/2022	0.417822222	0.391075556	0.408382222	0.394626667	0.386511111	0.382626667	0.405733333	0.402053333
201	7/18/2022	0.352662222	0.351448889	0.314622222	0.308915556	0.275026667	0.241373333	0.219826667	0.234004444
202	7/19/2022	0.244906667	0.255066667	0.236604444	0.222004444	0.208484444	0.202262222	0.19556	0.175946667
203	7/20/2022	0.294911111	0.299857778	0.270084444	0.261737778	0.243671111	0.215724444	0.211404444	0.208742222
204	7/21/2022	0.336986667	0.316204444	0.2994	0.28316	0.25236	0.234906667	0.200133333	0.184955556
205	7/22/2022	0.30136	0.29548	0.314328889	0.268346667	0.235004444	0.229124444	0.216791111	0.217217778
206	7/23/2022	0.286088889	0.292448889	0.271297778	0.26736	0.216542222	0.202177778	0.220662222	0.252906667
207	7/24/2022	0.362657778	0.253728889	0.285133333	0.263306667	0.246435556	0.246173333	0.226217778	0.211506667
208	7/25/2022	0.407177778	0.431204444	0.446231111	0.423933333	0.391048889	0.367106667	0.350662222	0.322288889
209	7/26/2022	0.38196	0.318364444	0.282964444	0.297911111	0.298546667	0.281342222	0.241488889	0.255648889
210	7/27/2022	0.322533333	0.348875556	0.381208889	0.40332	0.364813333	0.371364444	0.391057778	0.385813333
211	7/28/2022	0.262217778	0.239657778	0.232093333	0.194297778	0.191217778	0.145253333	0.166524444	0.158022222
212	7/29/2022	0.259555556	0.24656	0.242831111	0.2454	0.219511111	0.225177778	0.214813333	0.171502222
213	7/30/2022	0.199657778	0.194106667	0.181333333	0.16056	0.141053333	0.144364444	0.135155556	0.105182222
214	7/31/2022	0.284866667	0.296284444	0.299302222	0.318697778	0.295755556	0.277133333	0.265706667	0.287
215	8/1/2022	0.242377778	0.261786667	0.264093333	0.233622222	0.218017778	0.239497778	0.237551111	0.219528889
216	8/2/2022	0.245115556	0.227973333	0.210346667	0.253155556	0.2254	0.184164444	0.181813333	0.1796
217	8/3/2022	0.255866667	0.257337778	0.239137778	0.232888889	0.206528889	0.195644444	0.173693333	0.170057778
218	8/4/2022	0.333626667	0.291062222	0.284137778	0.235671111	0.231377778	0.230071111	0.22512	0.195542222
219	8/5/2022	0.310306667	0.32424	0.297968889	0.25188	0.301831111	0.35388	0.375591111	0.355951111
220	8/6/2022	0.330866667	0.328057778	0.323311111	0.360697778	0.37652	0.402204444	0.404435556	0.418782222
221	8/7/2022	0.259768889	0.254426667	0.273782222	0.231013333	0.241937778	0.206906667	0.229937778	0.216
222	8/8/2022	0.292586667	0.275502222	0.277604444	0.242488889	0.238084444	0.201911111	0.223955556	0.208448889
223	8/9/2022	0.350573333	0.321795556	0.297146667	0.308728889	0.270968889	0.254648889	0.264057778	0.251937778
224	8/10/2022	0.369448889	0.37004	0.332115556	0.259426667	0.273591111	0.24952	0.237342222	0.220493333
225	8/11/2022	0.255844444	0.239884444	0.210795556	0.196582222	0.198351111	0.175924444	0.138528889	0.137844444

	B	AR	AS	AT	AU	AV	AW	AX	AY
2	measurement date	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
194	7/11/2022	0.124897321	0.125571429	0.106611607	0.104785714	0.107821429	0.113370536	0.115205357	0.108272321
195	7/12/2022	0.190617778	0.203004444	0.221933333	0.166208889	0.143666667	0.155026667	0.124822222	0.114262222
196	7/13/2022	0.130013333	0.129124444	0.116168889	0.096608889	0.096337778	0.103088889	0.114462222	0.13616
197	7/14/2022	0.144906667	0.132622222	0.129408889	0.118791111	0.109648889	0.102315556	0.087515556	0.091662222
198	7/15/2022	0.111844444	0.111293333	0.100377778	0.107391111	0.101084444	0.084111111	0.080346667	0.102351111
199	7/16/2022	0.216004444	0.147377778	0.1136	0.12012	0.10288	0.111964444	0.098555556	0.105924444
200	7/17/2022	0.392986667	0.405551111	0.406204444	0.383671111	0.359875556	0.324208889	0.237968889	0.244835556
201	7/18/2022	0.208573333	0.192964444	0.197582222	0.19536	0.166111111	0.154746667	0.118715556	0.154862222
202	7/19/2022	0.181986667	0.153675556	0.152893333	0.145351111	0.152924444	0.151671111	0.148568889	0.149151111
203	7/20/2022	0.183346667	0.168622222	0.169395556	0.180848889	0.200733333	0.207782222	0.179004444	0.153893333
204	7/21/2022	0.168804444	0.152026667	0.134253333	0.12624	0.110057778	0.116266667	0.117111111	0.117115556
205	7/22/2022	0.183493333	0.158111111	0.139746667	0.136911111	0.132355556	0.129111111	0.109128889	0.108573333
206	7/23/2022	0.203373333	0.204613333	0.288026667	0.312	0.290182222	0.265315556	0.250506667	0.235137778
207	7/24/2022	0.180431111	0.1592	0.20592	0.194528889	0.201831111	0.231093333	0.27012	0.291822222
208	7/25/2022	0.224702222	0.164048889	0.160413333	0.163528889	0.175937778	0.209395556	0.197368889	0.139697778
209	7/26/2022	0.26208	0.290431111	0.280195556	0.308724444	0.284413333	0.278924444	0.253088889	0.241933333
210	7/27/2022	0.385084444	0.385106667	0.397075556	0.397462222	0.385466667	0.386711111	0.332324444	0.288373333
211	7/28/2022	0.147728889	0.169573333	0.150608889	0.118302222	0.107773333	0.12912	0.126817778	0.145706667
212	7/29/2022	0.144302222	0.150204444	0.136071111	0.125884444	0.126373333	0.128813333	0.101404444	0.099044444
213	7/30/2022	0.120026667	0.127884444	0.118728889	0.14908	0.119711111	0.127128889	0.113133333	0.074902222
214	7/31/2022	0.235413333	0.195084444	0.178137778	0.173177778	0.161004444	0.136897778	0.143653333	0.143528889
215	8/1/2022	0.177271111	0.205964444	0.256146667	0.280844444	0.201755556	0.235973333	0.226168889	0.220311111
216	8/2/2022	0.147648889	0.144964444	0.15024	0.144324444	0.133542222	0.125813333	0.119146667	0.089728889
217	8/3/2022	0.142057778	0.148306667	0.154097778	0.14256	0.126155556	0.117906667	0.108866667	0.116853333
218	8/4/2022	0.179862222	0.140075556	0.140902222	0.133946667	0.147982222	0.159631111	0.183262222	0.183128889
219	8/5/2022	0.343	0.364897778	0.356595556	0.364822222	0.365053333	0.369431111	0.372866667	0.292302222
220	8/6/2022	0.407937778	0.366777778	0.368275556	0.344488889	0.358937778	0.316244444	0.372728889	0.367137778
221	8/7/2022	0.196071111	0.173288889	0.153542222	0.130071111	0.119431111	0.117048889	0.104262222	0.110964444
222	8/8/2022	0.182884444	0.168102222	0.155128889	0.152066667	0.146928889	0.136622222	0.137382222	0.153213333
223	8/9/2022	0.250768889	0.209297778	0.194048889	0.155488889	0.156924444	0.181173333	0.193306667	0.170702222
224	8/10/2022	0.170853333	0.181657778	0.210915556	0.166382222	0.14324	0.155115556	0.154546667	0.180075556
225	8/11/2022	0.121884444	0.112924444	0.101466667	0.095213333	0.091528889	0.080924444	0.066617778	0.057035556

	B	AZ	BA	BB	BC	BD	BE	BF	BG
2	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345
194	7/11/2022	0.110424107	0.114084444	0.122533333	0.123764444	0.111213333	0.108764444	0.115208889	0.132284444
195	7/12/2022	0.124511111	0.132626667	0.127871111	0.136288889	0.148253333	0.121333333	0.104311111	0.108044444
196	7/13/2022	0.130262222	0.11264	0.104884444	0.134333333	0.136706667	0.128968889	0.149266667	0.133315556
197	7/14/2022	0.098231111	0.109484444	0.125684444	0.131893333	0.130737778	0.14732	0.127786667	0.123724444
198	7/15/2022	0.119097778	0.146093333	0.127657778	0.114973333	0.105733333	0.115168889	0.113808889	0.093297778
199	7/16/2022	0.097208889	0.096111111	0.09272	0.096737778	0.100071111	0.097764444	0.093457778	0.095751111
200	7/17/2022	0.281204444	0.307182222	0.319071111	0.270728889	0.295435556	0.367182222	0.352835556	0.300511111
201	7/18/2022	0.186928889	0.209191111	0.207764444	0.241297778	0.263035556	0.224253333	0.18388	0.173377778
202	7/19/2022	0.17088	0.16428	0.174604444	0.14296	0.146844444	0.127866667	0.15416	0.147484444
203	7/20/2022	0.173417778	0.159804444	0.146048889	0.169666667	0.154462222	0.181062222	0.189577778	0.19832
204	7/21/2022	0.137751111	0.12848	0.135591111	0.14896	0.144768889	0.141857778	0.136666667	0.130382222
205	7/22/2022	0.102444444	0.101604444	0.104315556	0.107253333	0.134991111	0.130257778	0.132662222	0.124111111
206	7/23/2022	0.445942222	0.361524444	0.213257778	0.1474	0.119053333	0.114315556	0.129751111	0.154586667
207	7/24/2022	0.255204444	0.164715556	0.221271111	0.222795556	0.268208889	0.314044444	0.312146667	0.278226667
208	7/25/2022	0.16056	0.178413333	0.191542222	0.219711111	0.215484444	0.220973333	0.186893333	0.181488889
209	7/26/2022	0.254342222	0.218537778	0.228595556	0.233266667	0.273435556	0.285173333	0.15568	0.087435556
210	7/27/2022	0.237333333	0.203177778	0.179928889	0.149208889	0.16848	0.196226667	0.259426667	0.20332
211	7/28/2022	0.128964444	0.1042	0.086031111	0.104008889	0.107662222	0.104791111	0.123706667	0.120137778
212	7/29/2022	0.142466667	0.126426667	0.135124444	0.115595556	0.141177778	0.151768889	0.14652	0.155773333
213	7/30/2022	0.071137778	0.060173333	0.065608889	0.074364444	0.070702222	0.056293333	0.057093333	0.079417778
214	7/31/2022	0.136573333	0.113964444	0.112542222	0.11748	0.130991111	0.133342222	0.164253333	0.191106667
215	8/1/2022	0.267182222	0.268737778	0.173937778	0.128257778	0.087133333	0.089813333	0.108253333	0.097488889
216	8/2/2022	0.099151111	0.107733333	0.118311111	0.123253333	0.126284444	0.123497778	0.105817778	0.124235556
217	8/3/2022	0.105995556	0.109648889	0.112435556	0.119542222	0.146226667	0.160422222	0.174715556	0.189528889
218	8/4/2022	0.178937778	0.188342222	0.22096	0.181222222	0.198306667	0.188826667	0.210924444	0.2788
219	8/5/2022	0.244706667	0.22108	0.181617778	0.160657778	0.162048889	0.177066667	0.138542222	0.161622222
220	8/6/2022	0.292684444	0.238777778	0.247186667	0.333662222	0.320106667	0.246751111	0.213737778	0.168391111
221	8/7/2022	0.125751111	0.142862222	0.185848889	0.161568889	0.172484444	0.200733333	0.191502222	0.188813333
222	8/8/2022	0.128906667	0.153057778	0.130275556	0.127217778	0.146453333	0.133866667	0.172871111	0.188982222
223	8/9/2022	0.168808889	0.186266667	0.182302222	0.175253333	0.176813333	0.21608	0.17	0.184866667
224	8/10/2022	0.199942222	0.223355556	0.256071111	0.230848889	0.231017778	0.17432	0.124417778	0.167448889
225	8/11/2022	0.07076	0.069044444	0.061151111	0.064653333	0.065831111	0.075591111	0.065977778	0.076244444

	B	BH	BI	BJ	BK	BL	BM	BN	BO
2	measurement date	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545
194	7/11/2022	0.1574	0.146933333	0.092057778	0.103346667	0.11444	0.138222222	0.157524444	0.174128889
195	7/12/2022	0.123773333	0.142035556	0.125208889	0.118875556	0.139266667	0.121235556	0.140097778	0.160386667
196	7/13/2022	0.162191111	0.149151111	0.13472	0.177155556	0.1382	0.139742222	0.176271111	0.170626667
197	7/14/2022	0.106911111	0.10256	0.104044444	0.100008889	0.113231111	0.115044444	0.123253333	0.14916
198	7/15/2022	0.118604444	0.124502222	0.112817778	0.146582222	0.14932	0.159466667	0.158533333	0.20424
199	7/16/2022	0.109982222	0.125435556	0.13068	0.14884	0.140568889	0.151675556	0.149093333	0.153777778
200	7/17/2022	0.324484444	0.308342222	0.273373333	0.3218	0.377666667	0.360391111	0.337426667	0.320862222
201	7/18/2022	0.163	0.153666667	0.159466667	0.182591111	0.196097778	0.192711111	0.147235556	0.122031111
202	7/19/2022	0.125471111	0.145582222	0.156488889	0.164128889	0.197315556	0.187493333	0.193724444	0.253173333
203	7/20/2022	0.187506667	0.202262222	0.215906667	0.233635556	0.219057778	0.23588	0.258168889	0.28376
204	7/21/2022	0.11504	0.108262222	0.112071111	0.120044444	0.117382222	0.133693333	0.139831111	0.144871111
205	7/22/2022	0.135395556	0.125724444	0.128217778	0.131457778	0.155853333	0.180146667	0.178591111	0.196271111
206	7/23/2022	0.11228	0.109657778	0.121306667	0.146191111	0.143497778	0.137688889	0.140813333	0.155915556
207	7/24/2022	0.244915556	0.278151111	0.268848889	0.212488889	0.164777778	0.243564444	0.230648889	0.263822222
208	7/25/2022	0.284502222	0.3002	0.283417778	0.285911111	0.281897778	0.285013333	0.280377778	0.329444444
209	7/26/2022	0.150613333	0.205297778	0.185368889	0.170191111	0.1996	0.195311111	0.151288889	0.161711111
210	7/27/2022	0.146804444	0.164413333	0.216835556	0.238151111	0.182444444	0.218426667	0.193248889	0.161644444
211	7/28/2022	0.117466667	0.11524	0.131622222	0.133013333	0.146137778	0.141888889	0.163222222	0.172831111
212	7/29/2022	0.150831111	0.135635556	0.110617778	0.122746667	0.140764444	0.172044444	0.186004444	0.189973333
213	7/30/2022	0.081773333	0.089026667	0.110164444	0.111333333	0.12012	0.099302222	0.099617778	0.096942222
214	7/31/2022	0.188333333	0.191693333	0.190435556	0.174951111	0.188213333	0.180875556	0.192857778	0.224146667
215	8/1/2022	0.085453333	0.141306667	0.127826667	0.079733333	0.149644444	0.194293333	0.213266667	0.19236
216	8/2/2022	0.123751111	0.12676	0.128253333	0.130586667	0.210275556	0.204875556	0.17916	0.175662222
217	8/3/2022	0.192653333	0.17516	0.172626667	0.208235556	0.19548	0.242111111	0.268773333	0.26852
218	8/4/2022	0.276413333	0.314871111	0.388622222	0.402173333	0.366035556	0.345013333	0.351431111	0.294248889
219	8/5/2022	0.152857778	0.1178	0.138902222	0.158026667	0.171653333	0.15364	0.163924444	0.2312
220	8/6/2022	0.133364444	0.152964444	0.201608889	0.211711111	0.226991111	0.227875556	0.209871111	0.238355556
221	8/7/2022	0.191364444	0.226475556	0.261844444	0.254066667	0.2702	0.3082	0.240622222	0.217191111
222	8/8/2022	0.159986667	0.169444444	0.159653333	0.189346667	0.220164444	0.262671111	0.265382222	0.258213333
223	8/9/2022	0.244573333	0.237457778	0.304977778	0.290888889	0.181582222	0.131146667	0.145204444	0.15496
224	8/10/2022	0.174711111	0.238728889	0.249213333	0.209888889	0.173964444	0.180048889	0.193164444	0.206271111
225	8/11/2022	0.078488889	0.099831111	0.086284444	0.083262222	0.097662222	0.102484444	0.134822222	0.145755556

	B	BP	BQ	BR	BS	BT	BU	BV	BW
2	measurement date	D_1600	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745
194	7/11/2022	0.169395556	0.191333333	0.240204444	0.244333333	0.251697778	0.246884444	0.265346667	0.324906667
195	7/12/2022	0.14436	0.165586667	0.188631111	0.204911111	0.236604444	0.263626667	0.279368889	0.320942222
196	7/13/2022	0.17308	0.18736	0.192275556	0.222457778	0.235248889	0.241537778	0.288835556	0.336648889
197	7/14/2022	0.183293333	0.171848889	0.189666667	0.226195556	0.250573333	0.273333333	0.317675556	0.322648889
198	7/15/2022	0.25376	0.224071111	0.239813333	0.281893333	0.320826667	0.369746667	0.402497778	0.409191111
199	7/16/2022	0.19792	0.186413333	0.218702222	0.266	0.315328889	0.385342222	0.412422222	0.391955556
200	7/17/2022	0.266986667	0.265253333	0.332115556	0.335853333	0.31052	0.336044444	0.36016	0.344302222
201	7/18/2022	0.160915556	0.178306667	0.187146667	0.183071111	0.219248889	0.232026667	0.254551111	0.326875556
202	7/19/2022	0.196644444	0.205346667	0.249848889	0.240537778	0.260702222	0.300324444	0.314671111	0.366044444
203	7/20/2022	0.30768	0.285386667	0.302586667	0.318777778	0.358382222	0.3996	0.427084444	0.455422222
204	7/21/2022	0.161471111	0.181093333	0.192231111	0.207257778	0.246617778	0.278911111	0.319093333	0.361924444
205	7/22/2022	0.222444444	0.217782222	0.244195556	0.24	0.279288889	0.32276	0.370204444	0.413617778
206	7/23/2022	0.16944	0.201564444	0.215128889	0.231324444	0.286626667	0.317364444	0.368533333	0.39204
207	7/24/2022	0.222795556	0.23608	0.373995556	0.443004444	0.447853333	0.474484444	0.486471111	0.484866667
208	7/25/2022	0.312022222	0.285853333	0.294746667	0.357226667	0.371248889	0.362177778	0.415346667	0.488924444
209	7/26/2022	0.208333333	0.231973333	0.164773333	0.153595556	0.159688889	0.18196	0.205324444	0.26044
210	7/27/2022	0.156275556	0.158484444	0.121613333	0.154137778	0.180928889	0.255306667	0.249293333	0.273537778
211	7/28/2022	0.179804444	0.173337778	0.18752	0.199662222	0.255791111	0.2902	0.305111111	0.352511111
212	7/29/2022	0.17292	0.1832	0.20492	0.237666667	0.237222222	0.259271111	0.27304	0.298511111
213	7/30/2022	0.118635556	0.146542222	0.136506667	0.158435556	0.206942222	0.328111111	0.387791111	0.398
214	7/31/2022	0.207048889	0.228844444	0.220666667	0.230897778	0.258257778	0.280555556	0.296533333	0.252991111
215	8/1/2022	0.22544	0.279831111	0.264737778	0.31272	0.33288	0.456497778	0.491573333	0.501702222
216	8/2/2022	0.218924444	0.250515556	0.187902222	0.191208889	0.205893333	0.245613333	0.299595556	0.373671111
217	8/3/2022	0.29576	0.324595556	0.381773333	0.454982222	0.470364444	0.479066667	0.53168	0.505631111
218	8/4/2022	0.298702222	0.286302222	0.291528889	0.315684444	0.355964444	0.370728889	0.438288889	0.544755556
219	8/5/2022	0.235746667	0.22304	0.275568889	0.361328889	0.311155556	0.283453333	0.362328889	0.377848889
220	8/6/2022	0.25204	0.240413333	0.295364444	0.323235556	0.322395556	0.296533333	0.281257778	0.279764444
221	8/7/2022	0.312008889	0.343217778	0.347866667	0.348102222	0.337293333	0.361448889	0.354675556	0.323666667
222	8/8/2022	0.22504	0.226697778	0.209991111	0.263902222	0.306093333	0.379928889	0.391475556	0.402875556
223	8/9/2022	0.169986667	0.200511111	0.232755556	0.284524444	0.352293333	0.432297778	0.465773333	0.515377778
224	8/10/2022	0.200355556	0.224337778	0.284795556	0.366853333	0.426	0.409306667	0.368222222	0.353457778
225	8/11/2022	0.181982222	0.195946667	0.238035556	0.253924444	0.24716	0.261328889	0.370733333	0.448008889

	B	BX	BY	BZ	CA	CB	CC	CD	CE
2	measurement date	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945
194	7/11/2022	0.406862222	0.498	0.515604444	0.508755556	0.584226667	0.611782222	0.608977778	0.618831111
195	7/12/2022	0.367368889	0.435146667	0.484168889	0.500693333	0.520724444	0.561706667	0.592266667	0.6384
196	7/13/2022	0.387595556	0.430502222	0.433102222	0.481688889	0.531697778	0.582142222	0.580488889	0.628808889
197	7/14/2022	0.364151111	0.400124444	0.411697778	0.451115556	0.496635556	0.525288889	0.5358	0.585026667
198	7/15/2022	0.412573333	0.455475556	0.538137778	0.528062222	0.501533333	0.509871111	0.569248889	0.571924444
199	7/16/2022	0.438768889	0.469635556	0.50228	0.471137778	0.493048889	0.595333333	0.617528889	0.652977778
200	7/17/2022	0.377346667	0.415648889	0.429946667	0.473986667	0.475075556	0.454315556	0.50636	0.523111111
201	7/18/2022	0.336022222	0.356786667	0.360511111	0.42124	0.457084444	0.488271111	0.516395556	0.566573333
202	7/19/2022	0.381346667	0.43252	0.484231111	0.506768889	0.551568889	0.61872	0.620155556	0.6738
203	7/20/2022	0.512586667	0.560537778	0.6106	0.634902222	0.668808889	0.682573333	0.752008889	0.800422222
204	7/21/2022	0.3782	0.418626667	0.465835556	0.50724	0.551888889	0.593648889	0.632151111	0.705844444
205	7/22/2022	0.488164444	0.521702222	0.528248889	0.57736	0.584502222	0.670733333	0.686426667	0.769191111
206	7/23/2022	0.433568889	0.424671111	0.468004444	0.523626667	0.547133333	0.570022222	0.620373333	0.667155556
207	7/24/2022	0.513328889	0.534937778	0.703226667	0.758631111	0.799053333	0.823146667	0.846728889	0.848222222
208	7/25/2022	0.493711111	0.491302222	0.522533333	0.507488889	0.523857778	0.525462222	0.544657778	0.567884444
209	7/26/2022	0.266848889	0.270088889	0.342573333	0.38304	0.40808	0.449942222	0.480035556	0.538773333
210	7/27/2022	0.321182222	0.387004444	0.376848889	0.384133333	0.419262222	0.482382222	0.486595556	0.552097778
211	7/28/2022	0.410284444	0.472977778	0.537208889	0.533675556	0.640906667	0.683035556	0.694506667	0.694466667
212	7/29/2022	0.33832	0.35968	0.387355556	0.426484444	0.463004444	0.489711111	0.517631111	0.562737778
213	7/30/2022	0.376813333	0.383004444	0.371951111	0.400631111	0.456751111	0.458911111	0.458955556	0.452355556
214	7/31/2022	0.246471111	0.260844444	0.310924444	0.343093333	0.373848889	0.383968889	0.422004444	0.459968889
215	8/1/2022	0.59024	0.471404444	0.431497778	0.513235556	0.587808889	0.655337778	0.68356	0.669084444
216	8/2/2022	0.417297778	0.464968889	0.505728889	0.571746667	0.587017778	0.596066667	0.64064	0.652142222
217	8/3/2022	0.539111111	0.629391111	0.663493333	0.642391111	0.653164444	0.633613333	0.665924444	0.71524
218	8/4/2022	0.580417778	0.634102222	0.651528889	0.666093333	0.620835556	0.630657778	0.629444444	0.661928889
219	8/5/2022	0.354524444	0.426786667	0.421151111	0.443328889	0.455462222	0.46936	0.470911111	0.551591111
220	8/6/2022	0.291764444	0.330986667	0.374817778	0.434586667	0.462853333	0.485746667	0.512608889	0.495808889
221	8/7/2022	0.376648889	0.421688889	0.480022222	0.521204444	0.616466667	0.651084444	0.664502222	0.685226667
222	8/8/2022	0.427328889	0.449426667	0.502631111	0.566004444	0.641266667	0.679577778	0.753515556	0.780422222
223	8/9/2022	0.598737778	0.624422222	0.602693333	0.586817778	0.571217778	0.610235556	0.697297778	0.781075556
224	8/10/2022	0.389666667	0.415666667	0.441213333	0.474151111	0.503044444	0.565097778	0.581471111	0.62224
225	8/11/2022	0.527217778	0.514053333	0.555195556	0.542413333	0.520751111	0.49728	0.566497778	0.602995556

	B	CF	CG	CH	CI	CJ	CK	CL	CM
2	measurement date	D_2000	D_2015	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145
194	7/11/2022	0.628551111	0.646524444	0.669537778	0.708586667	0.720151111	0.717364444	0.725644444	0.706524444
195	7/12/2022	0.667511111	0.6968	0.712733333	0.736502222	0.709337778	0.723106667	0.727253333	0.720537778
196	7/13/2022	0.660764444	0.651462222	0.680777778	0.696897778	0.681391111	0.696955556	0.677657778	0.687591111
197	7/14/2022	0.629524444	0.676875556	0.666217778	0.66404	0.67588	0.692986667	0.658115556	0.637386667
198	7/15/2022	0.574226667	0.58632	0.646595556	0.644946667	0.64168	0.606928889	0.616164444	0.629404444
199	7/16/2022	0.698195556	0.712328889	0.730151111	0.751355556	0.768746667	0.745351111	0.72468	0.737364444
200	7/17/2022	0.553586667	0.578653333	0.60584	0.612573333	0.631871111	0.629768889	0.586582222	0.58196
201	7/18/2022	0.590871111	0.635164444	0.625853333	0.662106667	0.674435556	0.664702222	0.661555556	0.642951111
202	7/19/2022	0.723911111	0.731053333	0.725675556	0.770235556	0.766497778	0.7778	0.787151111	0.764648889
203	7/20/2022	0.801555556	0.836853333	0.861968889	0.879133333	0.898168889	0.849124444	0.848142222	0.852608889
204	7/21/2022	0.741893333	0.733102222	0.78016	0.784897778	0.752404444	0.7374	0.728626667	0.740977778
205	7/22/2022	0.802844444	0.793853333	0.799893333	0.814746667	0.822204444	0.823306667	0.819142222	0.823426667
206	7/23/2022	0.716933333	0.737124444	0.743066667	0.753737778	0.737964444	0.720986667	0.733786667	0.717382222
207	7/24/2022	0.830431111	0.832724444	0.844222222	0.837057778	0.820982222	0.831782222	0.81928	0.793413333
208	7/25/2022	0.608515556	0.614186667	0.617435556	0.637137778	0.634862222	0.610288889	0.623586667	0.604493333
209	7/26/2022	0.545151111	0.548577778	0.562346667	0.612648889	0.584235556	0.59264	0.589635556	0.564675556
210	7/27/2022	0.594915556	0.626742222	0.65368	0.66012	0.657906667	0.646106667	0.637008889	0.626702222
211	7/28/2022	0.717724444	0.743995556	0.735195556	0.748768889	0.714897778	0.708137778	0.705488889	0.683866667
212	7/29/2022	0.586546667	0.6	0.618755556	0.603048889	0.585186667	0.600911111	0.599826667	0.589013333
213	7/30/2022	0.517155556	0.537666667	0.53572	0.538013333	0.545324444	0.530937778	0.527106667	0.550511111
214	7/31/2022	0.498177778	0.532208889	0.538982222	0.563644444	0.5546	0.570737778	0.540271111	0.533257778
215	8/1/2022	0.64708	0.662342222	0.700573333	0.705435556	0.727093333	0.681377778	0.653662222	0.63316
216	8/2/2022	0.679168889	0.686084444	0.684515556	0.676484444	0.701937778	0.692022222	0.695297778	0.704844444
217	8/3/2022	0.747573333	0.78212	0.771293333	0.782204444	0.762044444	0.762608889	0.78	0.798555556
218	8/4/2022	0.671528889	0.649973333	0.631248889	0.641653333	0.630897778	0.617071111	0.637031111	0.647342222
219	8/5/2022	0.575857778	0.579484444	0.599595556	0.638142222	0.640044444	0.655671111	0.65484	0.632253333
220	8/6/2022	0.497546667	0.52268	0.536031111	0.540182222	0.539128889	0.545044444	0.575715556	0.575573333
221	8/7/2022	0.717093333	0.712186667	0.721191111	0.726937778	0.71736	0.732511111	0.707177778	0.690146667
222	8/8/2022	0.797346667	0.829768889	0.830493333	0.840737778	0.84444	0.836488889	0.806195556	0.808266667
223	8/9/2022	0.790924444	0.753595556	0.777911111	0.751746667	0.744057778	0.727408889	0.709591111	0.712182222
224	8/10/2022	0.635364444	0.661088889	0.669066667	0.690586667	0.660191111	0.693791111	0.691542222	0.695017778
225	8/11/2022	0.646577778	0.631337778	0.636968889	0.661911111	0.675208889	0.636728889	0.641368889	0.628026667

	B	CN	CO	CP	CQ	CR	CS	CT	CU
2	measurement date	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345
194	7/11/2022	0.708377778	0.715111111	0.674128889	0.631493333	0.63212	0.61624	0.575617778	0.552275556
195	7/12/2022	0.707377778	0.681804444	0.687466667	0.625106667	0.618422222	0.595631111	0.576524444	0.535253333
196	7/13/2022	0.684657778	0.677031111	0.648457778	0.661395556	0.612186667	0.599964444	0.54992	0.568008889
197	7/14/2022	0.60872	0.603951111	0.581231111	0.562048889	0.551684444	0.529933333	0.506093333	0.473688889
198	7/15/2022	0.59776	0.61444	0.572973333	0.572582222	0.579297778	0.542155556	0.544351111	0.527653333
199	7/16/2022	0.745053333	0.687613333	0.680733333	0.662933333	0.687475556	0.627164444	0.635528889	0.610466667
200	7/17/2022	0.565662222	0.577724444	0.571471111	0.519648889	0.488937778	0.49208	0.467555556	0.445724444
201	7/18/2022	0.641235556	0.629951111	0.615848889	0.579044444	0.5784	0.531431111	0.490431111	0.463613333
202	7/19/2022	0.770066667	0.765808889	0.721546667	0.69004	0.668391111	0.659275556	0.628791111	0.592426667
203	7/20/2022	0.839262222	0.831137778	0.812302222	0.819924444	0.811577778	0.787826667	0.739386667	0.736222222
204	7/21/2022	0.730368889	0.714217778	0.702702222	0.688377778	0.673337778	0.655533333	0.624031111	0.611306667
205	7/22/2022	0.787164444	0.782217778	0.726924444	0.741124444	0.712524444	0.679533333	0.661337778	0.652
206	7/23/2022	0.703955556	0.699857778	0.689071111	0.667306667	0.674475556	0.666404444	0.646208889	0.617528889
207	7/24/2022	0.778657778	0.73888	0.70964	0.675057778	0.665368889	0.647684444	0.617804444	0.620195556
208	7/25/2022	0.566897778	0.58612	0.589782222	0.556573333	0.52404	0.504448889	0.483515556	0.484257778
209	7/26/2022	0.599555556	0.585244444	0.562	0.550266667	0.52432	0.494617778	0.475346667	0.46132
210	7/27/2022	0.589795556	0.592986667	0.588048889	0.538684444	0.538146667	0.494773333	0.512986667	0.46892
211	7/28/2022	0.65832	0.657755556	0.652528889	0.613493333	0.579168889	0.57712	0.532573333	0.507795556
212	7/29/2022	0.577128889	0.541702222	0.535768889	0.498466667	0.489662222	0.4676	0.455875556	0.436444444
213	7/30/2022	0.535564444	0.527026667	0.513751111	0.50784	0.514915556	0.496768889	0.493457778	0.477617778
214	7/31/2022	0.550475556	0.569155556	0.558764444	0.543182222	0.529333333	0.530457778	0.454511111	0.430337778
215	8/1/2022	0.629164444	0.614066667	0.630462222	0.584168889	0.575013333	0.555648889	0.551977778	0.533191111
216	8/2/2022	0.696066667	0.730488889	0.693528889	0.653702222	0.607928889	0.573773333	0.563395556	0.516608889
217	8/3/2022	0.753506667	0.717982222	0.69528	0.707097778	0.674075556	0.645564444	0.613942222	0.595746667
218	8/4/2022	0.599631111	0.579573333	0.579142222	0.557035556	0.556466667	0.513146667	0.501671111	0.493368889
219	8/5/2022	0.611808889	0.624702222	0.581111111	0.562008889	0.547084444	0.537777778	0.500368889	0.503168889
220	8/6/2022	0.546226667	0.557142222	0.548551111	0.525884444	0.55172	0.507346667	0.506422222	0.493235556
221	8/7/2022	0.713937778	0.707435556	0.682986667	0.67676	0.619106667	0.576951111	0.575986667	0.571511111
222	8/8/2022	0.781537778	0.766333333	0.747706667	0.710591111	0.700924444	0.687973333	0.662875556	0.606528889
223	8/9/2022	0.687417778	0.669857778	0.6698	0.639315556	0.617817778	0.619826667	0.580408889	0.551937778
224	8/10/2022	0.648377778	0.630804444	0.602911111	0.559635556	0.530386667	0.518244444	0.498035556	0.487751111
225	8/11/2022	0.605711111	0.591964444	0.602097778	0.562542222	0.531724444	0.515315556	0.522466667	0.500604444

	B	CV	CW	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB
2	measurement date	D_2400		1	2	3	4	5	6	7	8	9	10	11	12
194	7/11/2022	0.5424	0.63	1.74	1.50	1.35	1.24	1.20	1.11	1.15	0.97	0.84	0.60	0.44	0.45
195	7/12/2022	0.530808889	0.67	1.95	1.82	1.68	1.57	1.47	1.43	1.45	1.26	1.02	0.77	0.73	0.52
196	7/13/2022	0.530093333	0.66	1.98	1.72	1.55	1.39	1.30	1.26	1.27	1.09	0.88	0.57	0.44	0.48
197	7/14/2022	0.4776	0.63	1.90	1.64	1.56	1.40	1.33	1.30	1.28	1.11	0.89	0.65	0.49	0.38
198	7/15/2022	0.525804444	0.57	1.75	1.56	1.40	1.29	1.19	1.16	1.16	0.94	0.75	0.54	0.42	0.39
199	7/16/2022	0.591942222	0.70	1.87	1.65	1.51	1.37	1.39	1.30	1.26	0.91	0.83	0.88	0.48	0.41
200	7/17/2022	0.448417778	0.55	2.24	2.01	1.87	1.76	1.66	1.60	1.57	1.65	1.58	1.58	1.56	1.09
201	7/18/2022	0.498777778	0.59	1.54	1.43	1.28	1.23	1.18	1.16	1.28	1.39	1.25	0.90	0.75	0.62
202	7/19/2022	0.578311111	0.72	1.70	1.51	1.39	1.25	1.20	1.18	1.25	1.07	0.92	0.76	0.60	0.62
203	7/20/2022	0.721937778	0.80	2.08	1.88	1.77	1.64	1.53	1.43	1.46	1.27	1.08	0.82	0.72	0.71
204	7/21/2022	0.589702222	0.74	2.63	2.27	2.06	1.81	1.70	1.53	1.53	1.49	1.15	0.79	0.52	0.49
205	7/22/2022	0.633271111	0.80	2.14	1.86	1.64	1.59	1.44	1.38	1.39	1.29	1.11	0.85	0.57	0.45
206	7/23/2022	0.609226667	0.72	2.40	2.06	1.90	1.71	1.64	1.59	1.48	1.16	1.05	0.88	1.09	1.20
207	7/24/2022	0.586915556	0.85	2.24	2.04	1.95	1.85	1.75	1.63	1.59	1.45	1.05	0.86	0.76	1.05
208	7/25/2022	0.442924444	0.61	2.19	2.01	1.86	1.76	1.67	1.58	1.67	1.60	1.69	1.26	0.66	0.71
209	7/26/2022	0.432808889	0.55	1.60	1.46	1.37	1.30	1.27	1.24	1.28	1.47	1.20	1.04	1.16	1.03
210	7/27/2022	0.466088889	0.59	1.60	1.42	1.31	1.21	1.20	1.18	1.28	1.28	1.50	1.53	1.57	1.24
211	7/28/2022	0.523568889	0.72	1.70	1.49	1.41	1.27	1.24	1.27	1.28	1.18	0.86	0.62	0.55	0.53
212	7/29/2022	0.425564444	0.59	1.93	1.74	1.62	1.49	1.45	1.44	1.45	1.23	0.95	0.76	0.54	0.47
213	7/30/2022	0.413675556	0.52	1.57	1.39	1.18	1.06	1.00	0.99	0.96	0.84	0.68	0.50	0.52	0.39
214	7/31/2022	0.423542222	0.50	1.59	1.42	1.29	1.23	1.16	1.07	1.13	1.18	1.21	1.07	0.71	0.56
215	8/1/2022	0.495462222	0.68	1.51	1.35	1.26	1.17	1.17	1.11	1.24	1.16	0.98	0.87	0.94	0.95
216	8/2/2022	0.512084444	0.68	1.91	1.72	1.58	1.43	1.36	1.34	1.31	1.12	0.92	0.69	0.57	0.43
217	8/3/2022	0.567146667	0.75	1.86	1.64	1.51	1.36	1.27	1.21	1.22	1.14	0.94	0.68	0.57	0.45
218	8/4/2022	0.493555556	0.67	2.12	1.95	1.87	1.71	1.63	1.51	1.51	1.48	1.04	0.83	0.56	0.70
219	8/5/2022	0.488177778	0.58	1.71	1.57	1.46	1.37	1.33	1.29	1.29	1.29	1.18	1.43	1.45	1.28
220	8/6/2022	0.464515556	0.51	1.87	1.65	1.52	1.47	1.46	1.41	1.37	1.36	1.39	1.63	1.44	1.35
221	8/7/2022	0.55116	0.72	1.71	1.56	1.41	1.28	1.22	1.13	1.19	1.05	1.00	0.85	0.58	0.46
222	8/8/2022	0.600657778	0.80	2.02	1.82	1.62	1.45	1.40	1.40	1.41	1.31	1.03	0.82	0.62	0.56
223	8/9/2022	0.555835556	0.79	2.32	2.10	1.93	1.77	1.65	1.57	1.59	1.51	1.20	1.02	0.72	0.71
224	8/10/2022	0.438306667	0.64	2.02	1.79	1.68	1.48	1.42	1.40	1.50	1.52	1.24	0.88	0.70	0.69
225	8/11/2022	0.48828	0.65	1.70	1.46	1.34	1.24	1.21	1.17	1.21	1.12	0.85	0.57	0.40	0.28

	B	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
2	measurement date	13	14	15	16	17	18	19	20	21	22	23	24
194	7/11/2022	0.47	0.51	0.46	0.64	0.93	1.24	2.11	2.47	2.74	2.86	2.65	2.29
195	7/12/2022	0.55	0.46	0.53	0.57	0.80	1.23	1.94	2.46	2.86	2.88	2.61	2.24
196	7/13/2022	0.49	0.57	0.60	0.66	0.84	1.25	1.88	2.45	2.71	2.75	2.60	2.25
197	7/14/2022	0.50	0.51	0.42	0.57	0.84	1.28	1.76	2.28	2.68	2.60	2.30	1.99
198	7/15/2022	0.49	0.44	0.53	0.78	1.07	1.59	2.02	2.23	2.52	2.45	2.34	2.14
199	7/16/2022	0.39	0.40	0.55	0.65	0.99	1.63	1.94	2.56	2.96	2.95	2.72	2.47
200	7/17/2022	1.19	1.35	1.28	1.29	1.24	1.42	1.79	2.04	2.43	2.36	2.16	1.85
201	7/18/2022	0.92	0.74	0.69	0.62	0.77	1.15	1.60	2.16	2.60	2.61	2.40	1.98
202	7/19/2022	0.63	0.55	0.66	0.83	0.96	1.36	1.98	2.64	2.99	3.10	2.85	2.46
203	7/20/2022	0.63	0.76	0.87	1.09	1.27	1.79	2.47	3.04	3.48	3.39	3.27	2.99
204	7/21/2022	0.56	0.52	0.46	0.58	0.83	1.34	1.94	2.67	3.05	2.94	2.78	2.48
205	7/22/2022	0.45	0.52	0.54	0.78	0.98	1.59	2.21	2.93	3.23	3.25	2.96	2.63
206	7/23/2022	0.84	0.51	0.52	0.60	0.93	1.51	1.96	2.57	2.97	2.88	2.73	2.54
207	7/24/2022	0.88	1.15	0.92	0.96	1.50	1.96	2.80	3.35	3.33	3.22	2.79	2.47
208	7/25/2022	0.81	0.87	1.15	1.21	1.31	1.76	2.05	2.25	2.50	2.41	2.26	1.92
209	7/26/2022	0.95	0.68	0.76	0.72	0.71	0.91	1.40	2.01	2.31	2.35	2.22	1.86
210	7/27/2022	0.70	0.81	0.80	0.73	0.62	1.10	1.57	2.12	2.60	2.50	2.26	1.94
211	7/28/2022	0.40	0.47	0.53	0.66	0.82	1.36	2.18	2.79	2.94	2.76	2.50	2.14
212	7/29/2022	0.52	0.60	0.51	0.72	0.86	1.17	1.64	2.16	2.41	2.37	2.07	1.79
213	7/30/2022	0.27	0.27	0.43	0.41	0.65	1.49	1.61	1.89	2.16	2.14	2.06	1.88
214	7/31/2022	0.47	0.68	0.75	0.80	0.94	1.08	1.29	1.76	2.19	2.19	2.20	1.84
215	8/1/2022	0.66	0.38	0.50	0.83	1.19	2.04	2.00	2.66	2.80	2.60	2.40	2.14
216	8/2/2022	0.48	0.48	0.60	0.78	0.84	1.34	2.13	2.57	2.75	2.79	2.69	2.17
217	8/3/2022	0.49	0.72	0.75	1.08	1.63	2.06	2.59	2.76	3.10	3.09	2.79	2.42
218	8/4/2022	0.79	0.95	1.47	1.29	1.25	1.93	2.57	2.59	2.55	2.50	2.27	2.00
219	8/5/2022	0.73	0.63	0.59	0.78	1.17	1.38	1.75	2.07	2.46	2.55	2.31	2.03
220	8/6/2022	1.14	0.76	0.79	0.93	1.18	1.15	1.60	1.99	2.14	2.24	2.18	1.97
221	8/7/2022	0.66	0.77	1.01	1.08	1.38	1.42	2.04	2.72	2.88	2.84	2.69	2.28
222	8/8/2022	0.56	0.66	0.74	1.01	1.01	1.60	2.16	3.01	3.35	3.23	2.93	2.56
223	8/9/2022	0.72	0.82	1.01	0.60	1.07	2.01	2.39	2.88	3.03	2.84	2.60	2.31
224	8/10/2022	0.94	0.64	0.87	0.78	1.30	1.52	1.83	2.40	2.68	2.73	2.32	1.94
225	8/11/2022	0.26	0.30	0.37	0.57	0.94	1.61	2.13	2.31	2.61	2.51	2.29	2.03

	B	C	D	E	F	G	H	I	J	K
2	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145
226	8/12/2022	8	5	0.4576	0.440751111	0.409404444	0.388222222	0.389826667	0.369048889	0.360817778
227	8/13/2022	8	6	0.352848889	0.369782222	0.358853333	0.323964444	0.315844444	0.304982222	0.29184
228	8/14/2022	8	7	0.441768889	0.42832	0.391622222	0.384328889	0.374951111	0.379982222	0.38208
229	8/15/2022	8	1	0.366577778	0.35352	0.33008	0.329848889	0.338835556	0.31268	0.310071111
230	8/16/2022	8	2	0.388448889	0.384364444	0.348115556	0.331657778	0.352426667	0.341911111	0.319551111
231	8/17/2022	8	3	0.395444444	0.370271111	0.357951111	0.336173333	0.355106667	0.344008889	0.336164444
232	8/18/2022	8	4	0.405897778	0.402466667	0.371933333	0.366093333	0.3464	0.34052	0.319888889
233	8/19/2022	8	5	0.394995556	0.38304	0.360062222	0.3498	0.332457778	0.335022222	0.322982222
234	8/20/2022	8	6	0.464893333	0.42	0.43748	0.432213333	0.409502222	0.391666667	0.385351111
235	8/21/2022	8	7	0.40368	0.420666667	0.4124	0.407542222	0.383768889	0.361373333	0.364426667
236	8/22/2022	8	1	0.358697778	0.327826667	0.350204444	0.336924444	0.320555556	0.312297778	0.29992
237	8/23/2022	8	2	0.368911111	0.350591111	0.334253333	0.323657778	0.31576	0.311951111	0.310311111
238	8/24/2022	8	3	0.363382222	0.363275556	0.367813333	0.327137778	0.316684444	0.290368889	0.307968889
239	8/25/2022	8	4	0.395973333	0.376311111	0.370346667	0.354582222	0.373408889	0.3412	0.326782222
240	8/26/2022	8	5	0.426417778	0.40464	0.390644444	0.41416	0.361924444	0.353435556	0.358333333
241	8/27/2022	8	6	0.440080357	0.402830357	0.397754464	0.411453333	0.396062222	0.378977778	0.394768889
242	8/28/2022	8	7	0.462235556	0.436871111	0.419626667	0.399964444	0.396013333	0.384288889	0.38924
243	8/29/2022	8	1	0.615906667	0.578328889	0.5588	0.548555556	0.551773333	0.496866667	0.505635556
244	8/30/2022	8	2	0.420853333	0.3862	0.372613333	0.389537778	0.38292	0.371711111	0.35736
245	8/31/2022	8	3	0.380048889	0.37664	0.3662	0.354333333	0.35168	0.34264	0.328795556
246	9/1/2022	9	4	0.361017778	0.353577778	0.328111111	0.311413333	0.324208889	0.316222222	0.30092
247	9/2/2022	9	5	0.403057778	0.382284444	0.37048	0.366337778	0.3486	0.355742222	0.333693333
248	9/3/2022	9	6	0.452871111	0.442462222	0.448782222	0.423426667	0.409897778	0.40512	0.388088889
249	9/4/2022	9	7	0.338928889	0.347484444	0.326284444	0.322293333	0.319222222	0.319702222	0.288817778
250	9/5/2022	9	1	0.439235556	0.408311111	0.414888889	0.386328889	0.399373333	0.366568889	0.364986667
251	9/6/2022	9	2	0.404915556	0.383973333	0.360871111	0.384755556	0.369515556	0.355635556	0.354222222
252	9/7/2022	9	3	0.33108	0.348351111	0.352182222	0.342377778	0.342853333	0.308328889	0.324835556
253	9/8/2022	9	4	0.370004444	0.361533333	0.327675556	0.312866667	0.3088	0.287964444	0.289648889
254	9/9/2022	9	5	0.338204444	0.300724444	0.304786667	0.297986667	0.30148	0.292071111	0.288417778
255	9/10/2022	9	6	0.405817778	0.415537778	0.391106667	0.383995556	0.377244444	0.373857778	0.355817778
256	9/11/2022	9	7	0.397053333	0.387395556	0.365942222	0.359262222	0.365706667	0.368924444	0.340804444
257	9/12/2022	9	1	0.350204444	0.334915556	0.313457778	0.320342222	0.317244444	0.323062222	0.326906667

	B	L	M	N	O	P	Q	R	S
2	measurement date	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330	D_0345
226	8/12/2022	0.349906667	0.354044444	0.345924444	0.341502222	0.336608889	0.318142222	0.308151111	0.308048889
227	8/13/2022	0.281017778	0.274391111	0.281502222	0.275968889	0.258844444	0.244097778	0.260391111	0.251026667
228	8/14/2022	0.3552	0.351306667	0.335217778	0.30744	0.291044444	0.290671111	0.272582222	0.278462222
229	8/15/2022	0.290008889	0.28408	0.292853333	0.28028	0.268324444	0.280688889	0.281968889	0.277008889
230	8/16/2022	0.285893333	0.304128889	0.29288	0.282835556	0.275706667	0.279337778	0.276626667	0.259791111
231	8/17/2022	0.312897778	0.311582222	0.306395556	0.291017778	0.295475556	0.276706667	0.27196	0.273848889
232	8/18/2022	0.317857778	0.324391111	0.319164444	0.308222222	0.291644444	0.284142222	0.274351111	0.263591111
233	8/19/2022	0.315017778	0.32772	0.301248889	0.303528889	0.279933333	0.265875556	0.270746667	0.265542222
234	8/20/2022	0.372666667	0.381835556	0.350524444	0.338177778	0.330048889	0.33544	0.313728889	0.297991111
235	8/21/2022	0.342617778	0.323333333	0.331022222	0.319115556	0.310497778	0.319017778	0.31188	0.30604
236	8/22/2022	0.311217778	0.291688889	0.292715556	0.282902222	0.291613333	0.276893333	0.257604444	0.262164444
237	8/23/2022	0.314866667	0.309906667	0.291266667	0.279973333	0.274955556	0.286795556	0.265053333	0.259751111
238	8/24/2022	0.289546667	0.271706667	0.280613333	0.273715556	0.265893333	0.278124444	0.258777778	0.263288889
239	8/25/2022	0.319595556	0.317768889	0.315253333	0.313408889	0.292053333	0.281351111	0.291484444	0.280448889
240	8/26/2022	0.340751111	0.338471111	0.335302222	0.320377778	0.306746667	0.316977778	0.319768889	0.302875556
241	8/27/2022	0.356577778	0.340031111	0.314284444	0.325324444	0.299182222	0.324493333	0.307217778	0.305671111
242	8/28/2022	0.357648889	0.349684444	0.341044444	0.335013333	0.345284444	0.34884	0.335862222	0.330244444
243	8/29/2022	0.483688889	0.495448889	0.465288889	0.460022222	0.456915556	0.449808889	0.454564444	0.443573333
244	8/30/2022	0.347844444	0.352248889	0.3482	0.342546667	0.320982222	0.323231111	0.323711111	0.311662222
245	8/31/2022	0.310724444	0.302404444	0.288862222	0.28348	0.287804444	0.295044444	0.270044444	0.267977778
246	9/1/2022	0.282266667	0.289453333	0.28104	0.269342222	0.262622222	0.251835556	0.250102222	0.269551111
247	9/2/2022	0.327013333	0.331208889	0.31276	0.327893333	0.320115556	0.293057778	0.282355556	0.288742222
248	9/3/2022	0.377302222	0.383017778	0.377573333	0.38056	0.358586667	0.338826667	0.345617778	0.339497778
249	9/4/2022	0.284115556	0.293017778	0.284226667	0.294608889	0.308466667	0.304453333	0.311924444	0.297271111
250	9/5/2022	0.342235556	0.360515556	0.360315556	0.337528889	0.320822222	0.31736	0.316582222	0.328702222
251	9/6/2022	0.361351111	0.362764444	0.3424	0.344848889	0.332288889	0.328431111	0.312008889	0.315853333
252	9/7/2022	0.315328889	0.291715556	0.289746667	0.276062222	0.272888889	0.268288889	0.250155556	0.254671111
253	9/8/2022	0.286995556	0.285466667	0.290577778	0.286222222	0.261297778	0.258951111	0.253097778	0.259475556
254	9/9/2022	0.27536	0.265688889	0.264991111	0.25828	0.252373333	0.235648889	0.24432	0.229244444
255	9/10/2022	0.354408889	0.359035556	0.342568889	0.329071111	0.33176	0.320973333	0.310613333	0.316933333
256	9/11/2022	0.348022222	0.343866667	0.333968889	0.32668	0.327733333	0.303697778	0.302013333	0.306751111
257	9/12/2022	0.302742222	0.28408	0.279946667	0.285955556	0.265182222	0.2672	0.264964444	0.250377778

	B	T	U	V	W	X	Y	Z	AA
2	measurement date	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545
226	8/12/2022	0.278502222	0.290191111	0.289902222	0.296733333	0.283648889	0.285271111	0.283355556	0.270604444
227	8/13/2022	0.236017778	0.234586667	0.23212	0.224444444	0.224604444	0.231857778	0.234217778	0.236546667
228	8/14/2022	0.269768889	0.264244444	0.2698	0.281791111	0.277324444	0.249048889	0.244755556	0.250471111
229	8/15/2022	0.269537778	0.271337778	0.281746667	0.28644	0.249644444	0.275995556	0.262191111	0.273702222
230	8/16/2022	0.267875556	0.261813333	0.269231111	0.253235556	0.250835556	0.247448889	0.250413333	0.255466667
231	8/17/2022	0.282008889	0.278933333	0.26848	0.275631111	0.270586667	0.277217778	0.258524444	0.26188
232	8/18/2022	0.277346667	0.260422222	0.255853333	0.258306667	0.256626667	0.24248	0.244844444	0.257511111
233	8/19/2022	0.259724444	0.261257778	0.265991111	0.279573333	0.259226667	0.259542222	0.260093333	0.269173333
234	8/20/2022	0.293124444	0.305906667	0.294822222	0.28696	0.285782222	0.293231111	0.276302222	0.278555556
235	8/21/2022	0.294813333	0.294488889	0.26044	0.284604444	0.284377778	0.275995556	0.262306667	0.258853333
236	8/22/2022	0.256546667	0.265213333	0.272706667	0.275853333	0.271911111	0.270693333	0.255271111	0.274164444
237	8/23/2022	0.255231111	0.252293333	0.247915556	0.248742222	0.25532	0.259017778	0.260008889	0.275311111
238	8/24/2022	0.248835556	0.253946667	0.248293333	0.243084444	0.242537778	0.251035556	0.245506667	0.250346667
239	8/25/2022	0.262817778	0.262502222	0.275324444	0.279231111	0.259773333	0.276542222	0.288048889	0.268675556
240	8/26/2022	0.304466667	0.300022222	0.289502222	0.294364444	0.29224	0.305626667	0.301088889	0.293186667
241	8/27/2022	0.290471111	0.279613333	0.277488889	0.297924444	0.281355556	0.265884444	0.271413333	0.271608889
242	8/28/2022	0.334168889	0.321662222	0.314662222	0.309942222	0.29316	0.299742222	0.2824	0.287088889
243	8/29/2022	0.43512	0.416177778	0.436577778	0.43288	0.40892	0.4126	0.398444444	0.411226667
244	8/30/2022	0.304431111	0.312253333	0.3046	0.316377778	0.311515556	0.284102222	0.304542222	0.318871111
245	8/31/2022	0.267768889	0.248493333	0.245373333	0.248453333	0.257128889	0.254008889	0.243102222	0.264071111
246	9/1/2022	0.245475556	0.254693333	0.247217778	0.245324444	0.248453333	0.267693333	0.265395556	0.257164444
247	9/2/2022	0.291008889	0.287408889	0.274768889	0.254875556	0.274684444	0.269204444	0.272355556	0.273537778
248	9/3/2022	0.335631111	0.339444444	0.308853333	0.321617778	0.327564444	0.319982222	0.302302222	0.316377778
249	9/4/2022	0.299133333	0.280231111	0.287128889	0.277786667	0.263288889	0.271986667	0.275057778	0.270382222
250	9/5/2022	0.314764444	0.306431111	0.303968889	0.316884444	0.322635556	0.308297778	0.308888889	0.3228
251	9/6/2022	0.303088889	0.32348	0.295937778	0.334004444	0.320613333	0.337582222	0.318066667	0.316173333
252	9/7/2022	0.251551111	0.254773333	0.257991111	0.270235556	0.245537778	0.265128889	0.254946667	0.26328
253	9/8/2022	0.23924	0.24008	0.244968889	0.244208889	0.238231111	0.260471111	0.239742222	0.233195556
254	9/9/2022	0.226435556	0.222351111	0.233168889	0.234097778	0.233097778	0.243435556	0.232328889	0.233173333
255	9/10/2022	0.297728889	0.294244444	0.299102222	0.299515556	0.299457778	0.310235556	0.300311111	0.298026667
256	9/11/2022	0.289284444	0.29668	0.299848889	0.28076	0.273786667	0.259657778	0.27056	0.274662222
257	9/12/2022	0.246768889	0.258671111	0.267071111	0.266413333	0.25452	0.253155556	0.255764444	0.259693333

	B	AB	AC	AD	AE	AF	AG	AH	AI
2	measurement date	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730	D_0745
226	8/12/2022	0.290666667	0.282502222	0.314706667	0.290871111	0.299555556	0.300755556	0.280871111	0.262137778
227	8/13/2022	0.239351111	0.230733333	0.22372	0.233324444	0.225524444	0.208537778	0.196697778	0.214493333
228	8/14/2022	0.244728889	0.250422222	0.256555556	0.237755556	0.250453333	0.238955556	0.232715556	0.227862222
229	8/15/2022	0.264008889	0.267466667	0.294093333	0.307662222	0.303928889	0.310928889	0.295831111	0.292337778
230	8/16/2022	0.253648889	0.26756	0.267537778	0.289626667	0.28256	0.281257778	0.265084444	0.233137778
231	8/17/2022	0.276711111	0.289066667	0.292928889	0.314728889	0.325311111	0.292524444	0.271191111	0.286057778
232	8/18/2022	0.270066667	0.279773333	0.291324444	0.285804444	0.301817778	0.304453333	0.295933333	0.268431111
233	8/19/2022	0.275235556	0.286466667	0.289315556	0.313568889	0.318862222	0.319653333	0.278431111	0.251964444
234	8/20/2022	0.273791111	0.277786667	0.267751111	0.268448889	0.273924444	0.264488889	0.254048889	0.247004444
235	8/21/2022	0.261288889	0.265386667	0.291973333	0.288453333	0.275346667	0.297453333	0.285364444	0.294968889
236	8/22/2022	0.264444444	0.284484444	0.30736	0.331662222	0.322111111	0.323364444	0.282831111	0.248684444
237	8/23/2022	0.265013333	0.278088889	0.280213333	0.309786667	0.31104	0.305382222	0.281582222	0.2482
238	8/24/2022	0.248888889	0.259546667	0.276177778	0.284382222	0.31592	0.303084444	0.262702222	0.245977778
239	8/25/2022	0.281062222	0.287702222	0.292915556	0.300457778	0.296253333	0.296737778	0.300604444	0.281382222
240	8/26/2022	0.290497778	0.297684444	0.31956	0.32692	0.355982222	0.327928889	0.314013333	0.329631111
241	8/27/2022	0.2676	0.263195556	0.25256	0.254502222	0.29996	0.297595556	0.266386667	0.255022222
242	8/28/2022	0.279071111	0.284893333	0.282253333	0.270111111	0.280293333	0.286413333	0.270222222	0.258164444
243	8/29/2022	0.404564444	0.421062222	0.418328889	0.468342222	0.463653333	0.436195556	0.445444444	0.398004444
244	8/30/2022	0.336942222	0.329644444	0.354995556	0.366533333	0.378404444	0.36656	0.353875556	0.367751111
245	8/31/2022	0.283635556	0.278528889	0.29656	0.306711111	0.314293333	0.301951111	0.29356	0.251093333
246	9/1/2022	0.265964444	0.282137778	0.29084	0.284026667	0.305511111	0.323928889	0.289991111	0.257511111
247	9/2/2022	0.272346667	0.303764444	0.29376	0.29872	0.319533333	0.320404444	0.317466667	0.270982222
248	9/3/2022	0.317142222	0.3172	0.334297778	0.334546667	0.323448889	0.347626667	0.3418	0.330533333
249	9/4/2022	0.273013333	0.290271111	0.277324444	0.293222222	0.297377778	0.282653333	0.296697778	0.288835556
250	9/5/2022	0.31452	0.309462222	0.304377778	0.304071111	0.310715556	0.297231111	0.321302222	0.30748
251	9/6/2022	0.325048889	0.355511111	0.346377778	0.366613333	0.365951111	0.387444444	0.386693333	0.353155556
252	9/7/2022	0.263635556	0.300888889	0.296746667	0.312613333	0.34436	0.31892	0.286555556	0.282613333
253	9/8/2022	0.258577778	0.247942222	0.267595556	0.289871111	0.28488	0.297231111	0.285111111	0.270475556
254	9/9/2022	0.242871111	0.252	0.270466667	0.291306667	0.278373333	0.273644444	0.264746667	0.252128889
255	9/10/2022	0.280386667	0.292093333	0.287231111	0.287142222	0.295973333	0.32172	0.338897778	0.327311111
256	9/11/2022	0.274493333	0.267782222	0.270982222	0.288831111	0.2784	0.289471111	0.304786667	0.305791111
257	9/12/2022	0.253688889	0.272928889	0.276271111	0.322968889	0.327537778	0.30772	0.323244444	0.290346667

	B	AJ	AK	AL	AM	AN	AO	AP	AQ
2	measurement date	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945
226	8/12/2022	0.23172	0.213715556	0.214666667	0.201284444	0.158315556	0.138764444	0.124866667	0.117635556
227	8/13/2022	0.195511111	0.187857778	0.174706667	0.154897778	0.140111111	0.129395556	0.116493333	0.097004444
228	8/14/2022	0.228155556	0.1868	0.216968889	0.288013333	0.347986667	0.32036	0.257346667	0.268608889
229	8/15/2022	0.272848889	0.242675556	0.261088889	0.226817778	0.226697778	0.212257778	0.173826667	0.14888
230	8/16/2022	0.232431111	0.218444444	0.214097778	0.205133333	0.170266667	0.136564444	0.110413333	0.095577778
231	8/17/2022	0.240697778	0.226364444	0.228115556	0.180551111	0.157826667	0.159582222	0.167337778	0.126937778
232	8/18/2022	0.261875556	0.227266667	0.215671111	0.211746667	0.179693333	0.144417778	0.138657778	0.123555556
233	8/19/2022	0.252462222	0.223288889	0.192666667	0.169462222	0.162048889	0.14952	0.132542222	0.12948
234	8/20/2022	0.199546667	0.199124444	0.208311111	0.210315556	0.22228	0.243422222	0.195128889	0.191675556
235	8/21/2022	0.285124444	0.26896	0.262333333	0.22868	0.249933333	0.263066667	0.202982222	0.204342222
236	8/22/2022	0.238697778	0.241764444	0.20048	0.184173333	0.156013333	0.159573333	0.158053333	0.147142222
237	8/23/2022	0.22656	0.213915556	0.184342222	0.166955556	0.138968889	0.154151111	0.128648889	0.112835556
238	8/24/2022	0.209168889	0.205324444	0.186737778	0.163444444	0.138115556	0.151986667	0.136635556	0.118337778
239	8/25/2022	0.27228	0.238253333	0.193991111	0.164377778	0.15908	0.158764444	0.13192	0.126226667
240	8/26/2022	0.286577778	0.268168889	0.241768889	0.241026667	0.199417778	0.171142222	0.156671111	0.172831111
241	8/27/2022	0.258582222	0.241031111	0.21372	0.197755556	0.196644444	0.194497778	0.178453333	0.186573333
242	8/28/2022	0.255973333	0.263484444	0.240675556	0.205862222	0.238453333	0.248284444	0.208013333	0.200208889
243	8/29/2022	0.353213333	0.317755556	0.297404444	0.310164444	0.266168889	0.289466667	0.238022222	0.247288889
244	8/30/2022	0.362355556	0.323053333	0.32868	0.301031111	0.282235556	0.263973333	0.241648889	0.241351111
245	8/31/2022	0.224462222	0.198484444	0.171484444	0.144022222	0.14804	0.143622222	0.126404444	0.116782222
246	9/1/2022	0.216373333	0.207755556	0.19724	0.178382222	0.151817778	0.160102222	0.127506667	0.116635556
247	9/2/2022	0.23864	0.225413333	0.196648889	0.178951111	0.149604444	0.124586667	0.132586667	0.109284444
248	9/3/2022	0.308084444	0.309026667	0.306297778	0.286568889	0.259551111	0.311631111	0.357226667	0.388844444
249	9/4/2022	0.319031111	0.315142222	0.341106667	0.313026667	0.303902222	0.26996	0.253422222	0.220391111
250	9/5/2022	0.300791111	0.303773333	0.306097778	0.292533333	0.286173333	0.294702222	0.335524444	0.313284444
251	9/6/2022	0.347995556	0.355142222	0.32628	0.320164444	0.3416	0.331617778	0.31452	0.275617778
252	9/7/2022	0.251208889	0.224768889	0.199222222	0.164786667	0.153244444	0.135057778	0.121155556	0.124155556
253	9/8/2022	0.247075556	0.214142222	0.184888889	0.171506667	0.147271111	0.119066667	0.106151111	0.104688889
254	9/9/2022	0.210817778	0.202897778	0.180484444	0.149426667	0.149346667	0.143422222	0.119173333	0.092053333
255	9/10/2022	0.318075556	0.290528889	0.271635556	0.237977778	0.245928889	0.214964444	0.213373333	0.18916
256	9/11/2022	0.342746667	0.315088889	0.329262222	0.371168889	0.347364444	0.381351111	0.376902222	0.30508
257	9/12/2022	0.290102222	0.270355556	0.219791111	0.19252	0.167493333	0.150106667	0.154266667	0.120791111

	B	AR	AS	AT	AU	AV	AW	AX	AY
2	measurement date	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
226	8/12/2022	0.125106667	0.105191111	0.086248889	0.070702222	0.057951111	0.05332	0.04372	0.037084444
227	8/13/2022	0.099306667	0.102595556	0.092111111	0.081551111	0.058551111	0.040728889	0.040786667	0.035231111
228	8/14/2022	0.294124444	0.320524444	0.307488889	0.237515556	0.207937778	0.179231111	0.192146667	0.160382222
229	8/15/2022	0.141373333	0.143871111	0.112666667	0.114866667	0.12604	0.136924444	0.136457778	0.117942222
230	8/16/2022	0.089177778	0.091511111	0.099462222	0.093235556	0.097057778	0.075235556	0.065382222	0.077177778
231	8/17/2022	0.121764444	0.110462222	0.095017778	0.08692	0.089764444	0.08396	0.089715556	0.107671111
232	8/18/2022	0.118293333	0.111311111	0.090591111	0.072351111	0.057831111	0.059488889	0.05484	0.047844444
233	8/19/2022	0.13132	0.114684444	0.093897778	0.075657778	0.073493333	0.072013333	0.070684444	0.06004
234	8/20/2022	0.208875556	0.162475556	0.160195556	0.188075556	0.184231111	0.170031111	0.128422222	0.106426667
235	8/21/2022	0.242782222	0.251151111	0.2766	0.283862222	0.265568889	0.260791111	0.233657778	0.293902222
236	8/22/2022	0.132435556	0.119915556	0.123755556	0.100631111	0.104342222	0.124768889	0.11856	0.12632
237	8/23/2022	0.106608889	0.07856	0.091177778	0.076288889	0.07108	0.072333333	0.067582222	0.074764444
238	8/24/2022	0.104986667	0.092124444	0.069991111	0.064706667	0.058622222	0.07008	0.077084444	0.093035556
239	8/25/2022	0.135568889	0.102106667	0.087217778	0.088831111	0.098151111	0.088755556	0.076288889	0.068537778
240	8/26/2022	0.170191111	0.159786667	0.119	0.129151111	0.107986667	0.105022222	0.095431111	0.098977778
241	8/27/2022	0.161173333	0.147564444	0.125715556	0.129204444	0.103382222	0.112017778	0.125208889	0.095097778
242	8/28/2022	0.179071111	0.162324444	0.173751111	0.164231111	0.159511111	0.148253333	0.122391111	0.131062222
243	8/29/2022	0.207102222	0.188857778	0.214617778	0.201257778	0.171791111	0.164657778	0.161706667	0.147008889
244	8/30/2022	0.230466667	0.210977778	0.185026667	0.175315556	0.169155556	0.156711111	0.134284444	0.09696
245	8/31/2022	0.103137778	0.097448889	0.077857778	0.057133333	0.056866667	0.067688889	0.073293333	0.074928889
246	9/1/2022	0.100755556	0.107315556	0.098613333	0.06988	0.061706667	0.069408889	0.056284444	0.055555556
247	9/2/2022	0.118693333	0.095782222	0.085622222	0.088466667	0.11196	0.111422222	0.102106667	0.087062222
248	9/3/2022	0.364782222	0.299106667	0.259844444	0.272248889	0.334191111	0.30768	0.317951111	0.265848889
249	9/4/2022	0.223751111	0.253648889	0.254711111	0.193511111	0.173782222	0.208568889	0.214853333	0.184657778
250	9/5/2022	0.226506667	0.213217778	0.212888889	0.183888889	0.199742222	0.20176	0.188204444	0.211244444
251	9/6/2022	0.263413333	0.281706667	0.261937778	0.255182222	0.248782222	0.257128889	0.2918	0.266697778
252	9/7/2022	0.120728889	0.110444444	0.082213333	0.063408889	0.061795556	0.063684444	0.058293333	0.061537778
253	9/8/2022	0.080977778	0.075106667	0.069977778	0.057208889	0.061706667	0.054644444	0.056831111	0.057368889
254	9/9/2022	0.094613333	0.079777778	0.066928889	0.064097778	0.046066667	0.051128889	0.056173333	0.050737778
255	9/10/2022	0.219213333	0.163626667	0.149542222	0.119057778	0.108702222	0.106573333	0.128168889	0.139546667
256	9/11/2022	0.300737778	0.297684444	0.275493333	0.249928889	0.240337778	0.200133333	0.200991111	0.17688
257	9/12/2022	0.098128889	0.099417778	0.089546667	0.079391111	0.078213333	0.0558	0.050368889	0.046342222

	B	AZ	BA	BB	BC	BD	BE	BF	BG
2	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345
226	8/12/2022	0.051306667	0.058075556	0.057937778	0.043773333	0.048062222	0.051302222	0.049408889	0.043044444
227	8/13/2022	0.039537778	0.03576	0.039822222	0.038053333	0.032302222	0.04768	0.052004444	0.054586667
228	8/14/2022	0.162884444	0.149066667	0.205551111	0.158484444	0.121017778	0.170884444	0.163782222	0.12352
229	8/15/2022	0.12732	0.130235556	0.107453333	0.114728889	0.090875556	0.083813333	0.088271111	0.110484444
230	8/16/2022	0.081644444	0.072542222	0.074573333	0.076524444	0.072164444	0.086368889	0.102888889	0.094808889
231	8/17/2022	0.109831111	0.112257778	0.105137778	0.106995556	0.089475556	0.092804444	0.099831111	0.106395556
232	8/18/2022	0.066475556	0.058395556	0.074786667	0.079924444	0.065324444	0.066915556	0.090075556	0.089497778
233	8/19/2022	0.084413333	0.089057778	0.101391111	0.10484	0.109422222	0.11936	0.125915556	0.116222222
234	8/20/2022	0.103133333	0.119173333	0.17304	0.225715556	0.128515556	0.168644444	0.237653333	0.264111111
235	8/21/2022	0.340862222	0.326564444	0.302675556	0.248982222	0.184813333	0.190191111	0.168888889	0.224631111
236	8/22/2022	0.141622222	0.126426667	0.130542222	0.111831111	0.0956	0.10496	0.114826667	0.119395556
237	8/23/2022	0.102844444	0.11464	0.111862222	0.105462222	0.089848889	0.080373333	0.094124444	0.090902222
238	8/24/2022	0.07796	0.086582222	0.086991111	0.093555556	0.121591111	0.091448889	0.099377778	0.109582222
239	8/25/2022	0.068422222	0.090017778	0.113302222	0.12284	0.117013333	0.089897778	0.080368889	0.070435556
240	8/26/2022	0.09396	0.126302222	0.156871111	0.158044444	0.158053333	0.16696	0.207635556	0.230226667
241	8/27/2022	0.0908	0.085968889	0.104697778	0.122151111	0.114515556	0.112644444	0.115973333	0.126288889
242	8/28/2022	0.125764444	0.123755556	0.134431111	0.135222222	0.146613333	0.162026667	0.157426667	0.16352
243	8/29/2022	0.164871111	0.147297778	0.134591111	0.142462222	0.156551111	0.174328889	0.184031111	0.21208
244	8/30/2022	0.122977778	0.133022222	0.153924444	0.125866667	0.129124444	0.104297778	0.099	0.092653333
245	8/31/2022	0.062608889	0.055924444	0.054497778	0.048231111	0.066497778	0.056097778	0.062471111	0.065613333
246	9/1/2022	0.068071111	0.075524444	0.083862222	0.080151111	0.081524444	0.102408889	0.11504	0.114546667
247	9/2/2022	0.092013333	0.083506667	0.080706667	0.099004444	0.138342222	0.160666667	0.107417778	0.105
248	9/3/2022	0.236524444	0.292631111	0.311768889	0.318671111	0.311115556	0.282284444	0.256062222	0.208102222
249	9/4/2022	0.177257778	0.172088889	0.190031111	0.173573333	0.177995556	0.18976	0.172253333	0.169977778
250	9/5/2022	0.214991111	0.21828	0.244733333	0.273168889	0.257408889	0.270973333	0.220546667	0.212937778
251	9/6/2022	0.275368889	0.297715556	0.27408	0.210302222	0.166404444	0.15764	0.139275556	0.141266667
252	9/7/2022	0.066257778	0.069302222	0.073484444	0.089644444	0.092542222	0.107586667	0.083457778	0.088804444
253	9/8/2022	0.071653333	0.07604	0.071213333	0.088315556	0.087262222	0.055582222	0.07448	0.056271111
254	9/9/2022	0.042017778	0.044906667	0.040453333	0.042391111	0.055773333	0.056857778	0.077368889	0.104324444
255	9/10/2022	0.14448	0.111062222	0.129804444	0.158422222	0.138195556	0.142102222	0.158022222	0.138404444
256	9/11/2022	0.189746667	0.212675556	0.243897778	0.25868	0.283786667	0.284253333	0.238786667	0.231004444
257	9/12/2022	0.051071111	0.058817778	0.051928889	0.051595556	0.052408889	0.053315556	0.049142222	0.051951111

	B	BH	BI	BJ	BK	BL	BM	BN	BO
2	measurement date	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545
226	8/12/2022	0.046906667	0.063382222	0.060737778	0.059795556	0.058275556	0.077097778	0.082795556	0.072355556
227	8/13/2022	0.083026667	0.078168889	0.082306667	0.082742222	0.077924444	0.086897778	0.099244444	0.102706667
228	8/14/2022	0.20276	0.284062222	0.235275556	0.229035556	0.2036	0.153666667	0.150177778	0.224315556
229	8/15/2022	0.147137778	0.171453333	0.202266667	0.185902222	0.165195556	0.119102222	0.110053333	0.132222222
230	8/16/2022	0.114942222	0.118871111	0.107017778	0.119626667	0.143551111	0.15048	0.169271111	0.153968889
231	8/17/2022	0.117431111	0.125524444	0.131017778	0.11544	0.113373333	0.132431111	0.14752	0.169284444
232	8/18/2022	0.101173333	0.103653333	0.119177778	0.13052	0.12424	0.119102222	0.154453333	0.175253333
233	8/19/2022	0.132697778	0.13324	0.16328	0.171177778	0.160391111	0.153991111	0.191417778	0.195071111
234	8/20/2022	0.206186667	0.178071111	0.230537778	0.253342222	0.31328	0.40712	0.411173333	0.351253333
235	8/21/2022	0.233493333	0.27776	0.329635556	0.436386667	0.4974	0.493822222	0.383448889	0.20156
236	8/22/2022	0.122173333	0.097937778	0.10352	0.103875556	0.124386667	0.13936	0.136684444	0.133213333
237	8/23/2022	0.093337778	0.102875556	0.106608889	0.107568889	0.099071111	0.111635556	0.119288889	0.114595556
238	8/24/2022	0.100146667	0.098613333	0.1044	0.095266667	0.100431111	0.126293333	0.157426667	0.153013333
239	8/25/2022	0.083502222	0.091373333	0.108035556	0.118008889	0.140946667	0.131902222	0.145791111	0.150862222
240	8/26/2022	0.283631111	0.325542222	0.356551111	0.316915556	0.154422222	0.147777778	0.140782222	0.127875556
241	8/27/2022	0.135248889	0.15288	0.162088889	0.171688889	0.169	0.183088889	0.195435556	0.250093333
242	8/28/2022	0.178737778	0.200782222	0.17924	0.223284444	0.234146667	0.255488889	0.262386667	0.264453333
243	8/29/2022	0.252608889	0.280942222	0.323284444	0.402057778	0.457488889	0.38496	0.394893333	0.4972
244	8/30/2022	0.106546667	0.101453333	0.115564444	0.130986667	0.153168889	0.156497778	0.173066667	0.171102222
245	8/31/2022	0.066306667	0.087728889	0.09004	0.095555556	0.109631111	0.112684444	0.13644	0.149044444
246	9/1/2022	0.111617778	0.149906667	0.131631111	0.1396	0.144711111	0.165897778	0.197977778	0.204457778
247	9/2/2022	0.156622222	0.163724444	0.144324444	0.166822222	0.124462222	0.112617778	0.116484444	0.155631111
248	9/3/2022	0.182097778	0.210013333	0.224382222	0.217222222	0.212764444	0.237853333	0.308244444	0.283275556
249	9/4/2022	0.199937778	0.187128889	0.18832	0.183737778	0.164008889	0.190697778	0.21928	0.243755556
250	9/5/2022	0.249333333	0.225684444	0.176155556	0.194453333	0.250364444	0.304595556	0.263626667	0.272044444
251	9/6/2022	0.140808889	0.141595556	0.158191111	0.1696	0.151537778	0.165271111	0.151057778	0.11172
252	9/7/2022	0.099008889	0.090213333	0.092604444	0.117377778	0.142964444	0.109448889	0.125577778	0.133942222
253	9/8/2022	0.062466667	0.065902222	0.07524	0.087297778	0.091897778	0.110408889	0.123968889	0.127848889
254	9/9/2022	0.104502222	0.112257778	0.120773333	0.127106667	0.146737778	0.158257778	0.179568889	0.199075556
255	9/10/2022	0.1332	0.132044444	0.154875556	0.126288889	0.142902222	0.1794	0.181408889	0.204346667
256	9/11/2022	0.188546667	0.126515556	0.144951111	0.183431111	0.183253333	0.187502222	0.24124	0.271768889
257	9/12/2022	0.059746667	0.087848889	0.0936	0.091106667	0.08916	0.094364444	0.093044444	0.097364444

	B	BP	BQ	BR	BS	BT	BU	BV	BW
2	measurement date	D_1600	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745
226	8/12/2022	0.081951111	0.085808889	0.102395556	0.146617778	0.190164444	0.206066667	0.244546667	0.259862222
227	8/13/2022	0.100297778	0.108231111	0.131168889	0.142826667	0.193346667	0.198466667	0.204786667	0.295866667
228	8/14/2022	0.220995556	0.17436	0.209115556	0.296773333	0.388048889	0.351355556	0.379475556	0.438102222
229	8/15/2022	0.185888889	0.210755556	0.23	0.272488889	0.268862222	0.278155556	0.353751111	0.411288889
230	8/16/2022	0.179791111	0.182173333	0.202666667	0.285688889	0.32748	0.327724444	0.306315556	0.288191111
231	8/17/2022	0.1352	0.168475556	0.163595556	0.174746667	0.220315556	0.242831111	0.294137778	0.381466667
232	8/18/2022	0.196968889	0.190595556	0.214271111	0.219764444	0.243342222	0.274653333	0.336364444	0.366675556
233	8/19/2022	0.178008889	0.192404444	0.208697778	0.242786667	0.262866667	0.297764444	0.31832	0.349364444
234	8/20/2022	0.23764	0.174537778	0.20816	0.250115556	0.272146667	0.385391111	0.484448889	0.578706667
235	8/21/2022	0.175013333	0.180471111	0.236395556	0.239351111	0.24024	0.234457778	0.320995556	0.437466667
236	8/22/2022	0.147724444	0.1434	0.150835556	0.175395556	0.210013333	0.275884444	0.318617778	0.343782222
237	8/23/2022	0.117484444	0.114635556	0.129364444	0.162075556	0.188186667	0.227471111	0.249946667	0.302697778
238	8/24/2022	0.12776	0.153995556	0.175253333	0.229986667	0.263604444	0.276631111	0.323813333	0.358346667
239	8/25/2022	0.188004444	0.212844444	0.229746667	0.252302222	0.247097778	0.236333333	0.291831111	0.31708
240	8/26/2022	0.171862222	0.209177778	0.262822222	0.252453333	0.311488889	0.327057778	0.347168889	0.362013333
241	8/27/2022	0.282435556	0.310435556	0.305502222	0.280368889	0.319315556	0.316573333	0.341337778	0.380066667
242	8/28/2022	0.317071111	0.358444444	0.374693333	0.39892	0.445231111	0.448906667	0.498471111	0.536346667
243	8/29/2022	0.569097778	0.626164444	0.610088889	0.640488889	0.653026667	0.669102222	0.66948	0.696093333
244	8/30/2022	0.161635556	0.165284444	0.187142222	0.22028	0.241048889	0.293511111	0.348453333	0.361217778
245	8/31/2022	0.141888889	0.161155556	0.176853333	0.221431111	0.243986667	0.259244444	0.311404444	0.339666667
246	9/1/2022	0.232902222	0.214204444	0.259533333	0.24976	0.298777778	0.34612	0.377431111	0.396502222
247	9/2/2022	0.224746667	0.280822222	0.242146667	0.217373333	0.180675556	0.250524444	0.331737778	0.392693333
248	9/3/2022	0.322208889	0.378088889	0.408871111	0.408253333	0.446924444	0.469075556	0.48084	0.476164444
249	9/4/2022	0.299031111	0.360111111	0.308577778	0.321768889	0.320386667	0.382417778	0.381111111	0.361266667
250	9/5/2022	0.25712	0.296635556	0.291564444	0.268057778	0.331755556	0.372742222	0.468	0.490155556
251	9/6/2022	0.110311111	0.103333333	0.127764444	0.165604444	0.192622222	0.229044444	0.290968889	0.316257778
252	9/7/2022	0.137528889	0.169208889	0.185275556	0.204768889	0.230742222	0.271755556	0.277284444	0.316022222
253	9/8/2022	0.13092	0.128182222	0.180124444	0.153768889	0.191715556	0.202106667	0.21916	0.27136
254	9/9/2022	0.206817778	0.227444444	0.240422222	0.241315556	0.258302222	0.290297778	0.359173333	0.366831111
255	9/10/2022	0.228822222	0.245111111	0.323333333	0.355297778	0.356	0.355453333	0.330604444	0.37956
256	9/11/2022	0.271422222	0.274902222	0.38192	0.390831111	0.448644444	0.480444444	0.488928889	0.523635556
257	9/12/2022	0.098582222	0.096764444	0.100808889	0.114044444	0.15916	0.219066667	0.26128	0.316382222

	B	BX	BY	BZ	CA	CB	CC	CD	CE
2	measurement date	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945
226	8/12/2022	0.243995556	0.299457778	0.334097778	0.346711111	0.374537778	0.368893333	0.428755556	0.456888889
227	8/13/2022	0.34992	0.375262222	0.457604444	0.51244	0.52032	0.504404444	0.474555556	0.488613333
228	8/14/2022	0.4346	0.445533333	0.485555556	0.530075556	0.526737778	0.539844444	0.546737778	0.558284444
229	8/15/2022	0.414644444	0.43676	0.411893333	0.437946667	0.485262222	0.438524444	0.457613333	0.496186667
230	8/16/2022	0.287982222	0.35868	0.408742222	0.425195556	0.437195556	0.435595556	0.511564444	0.541004444
231	8/17/2022	0.424137778	0.405915556	0.434586667	0.512684444	0.544204444	0.533666667	0.546506667	0.534546667
232	8/18/2022	0.392324444	0.411644444	0.444453333	0.475635556	0.506995556	0.523506667	0.523591111	0.550035556
233	8/19/2022	0.361248889	0.389933333	0.467511111	0.497324444	0.49312	0.534466667	0.574991111	0.594031111
234	8/20/2022	0.60112	0.592471111	0.585551111	0.5934	0.571164444	0.579968889	0.573768889	0.545377778
235	8/21/2022	0.457493333	0.495364444	0.527351111	0.497564444	0.4978	0.540182222	0.560137778	0.605168889
236	8/22/2022	0.367915556	0.395786667	0.425857778	0.428057778	0.4406	0.49548	0.511675556	0.537062222
237	8/23/2022	0.357995556	0.412142222	0.455968889	0.435662222	0.480186667	0.518848889	0.571608889	0.589871111
238	8/24/2022	0.384551111	0.404026667	0.425137778	0.454946667	0.497071111	0.543195556	0.589622222	0.613142222
239	8/25/2022	0.360373333	0.399262222	0.437875556	0.473444444	0.533137778	0.577528889	0.62036	0.62376
240	8/26/2022	0.380337778	0.429022222	0.460657778	0.465297778	0.519386667	0.565644444	0.594191111	0.612017778
241	8/27/2022	0.394017778	0.435693333	0.505875556	0.526386667	0.551897778	0.574995556	0.633071111	0.646617778
242	8/28/2022	0.571871111	0.614782222	0.6274	0.638075556	0.678573333	0.735182222	0.768964444	0.835475556
243	8/29/2022	0.721373333	0.666177778	0.621964444	0.632017778	0.619124444	0.572724444	0.57172	0.602324444
244	8/30/2022	0.400031111	0.434355556	0.470862222	0.5174	0.562755556	0.591617778	0.602657778	0.615208889
245	8/31/2022	0.385871111	0.438062222	0.466657778	0.460813333	0.515502222	0.533933333	0.580648889	0.588577778
246	9/1/2022	0.394737778	0.417013333	0.444324444	0.513048889	0.548973333	0.600524444	0.60172	0.631422222
247	9/2/2022	0.422608889	0.481013333	0.531937778	0.571822222	0.618928889	0.644937778	0.628755556	0.636275556
248	9/3/2022	0.478777778	0.465822222	0.49136	0.499782222	0.4978	0.50596	0.531004444	0.500155556
249	9/4/2022	0.369488889	0.441866667	0.501888889	0.530297778	0.533493333	0.52096	0.542991111	0.543013333
250	9/5/2022	0.5782	0.598471111	0.663271111	0.676773333	0.627813333	0.608133333	0.621106667	0.63028
251	9/6/2022	0.360511111	0.385875556	0.419973333	0.4764	0.482377778	0.536613333	0.556177778	0.596631111
252	9/7/2022	0.334204444	0.361951111	0.370293333	0.43016	0.476213333	0.52576	0.525035556	0.53084
253	9/8/2022	0.283364444	0.314404444	0.355866667	0.383213333	0.428546667	0.486626667	0.506933333	0.518933333
254	9/9/2022	0.41116	0.437831111	0.489746667	0.501724444	0.4942	0.506742222	0.578111111	0.574137778
255	9/10/2022	0.404715556	0.402128889	0.409013333	0.458204444	0.472613333	0.464164444	0.48028	0.506288889
256	9/11/2022	0.502057778	0.460906667	0.418293333	0.484195556	0.545506667	0.597533333	0.619671111	0.589577778
257	9/12/2022	0.358475556	0.393506667	0.397875556	0.412351111	0.431097778	0.417897778	0.421471111	0.451688889

	B	CF	CG	CH	CI	CJ	CK	CL	CM
2	measurement date	D_2000	D_2015	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145
226	8/12/2022	0.501328889	0.517915556	0.515177778	0.49996	0.504328889	0.481613333	0.501075556	0.50124
227	8/13/2022	0.554031111	0.544937778	0.538026667	0.573862222	0.571573333	0.562844444	0.590777778	0.576266667
228	8/14/2022	0.591706667	0.605857778	0.577706667	0.584044444	0.553053333	0.536386667	0.554742222	0.53928
229	8/15/2022	0.512791111	0.54372	0.5702	0.609577778	0.584995556	0.582235556	0.581475556	0.551648889
230	8/16/2022	0.57536	0.614902222	0.659013333	0.669991111	0.654435556	0.638315556	0.619337778	0.608608889
231	8/17/2022	0.569231111	0.624035556	0.651746667	0.617084444	0.628142222	0.600484444	0.619368889	0.592151111
232	8/18/2022	0.583284444	0.623808889	0.644275556	0.665266667	0.635435556	0.617142222	0.6112	0.616235556
233	8/19/2022	0.614453333	0.62208	0.608413333	0.599435556	0.588075556	0.584657778	0.594364444	0.58632
234	8/20/2022	0.507755556	0.525586667	0.540315556	0.568857778	0.5336	0.549448889	0.536257778	0.537973333
235	8/21/2022	0.6394	0.64328	0.624853333	0.66264	0.625222222	0.602942222	0.612564444	0.614697778
236	8/22/2022	0.57492	0.613826667	0.61084	0.59612	0.597906667	0.616622222	0.585835556	0.601035556
237	8/23/2022	0.606506667	0.6238	0.619484444	0.619257778	0.641804444	0.618271111	0.615271111	0.600048889
238	8/24/2022	0.62908	0.637933333	0.647448889	0.679275556	0.654982222	0.648151111	0.629684444	0.615373333
239	8/25/2022	0.643568889	0.660635556	0.728622222	0.703493333	0.654133333	0.645284444	0.643133333	0.617426667
240	8/26/2022	0.633897778	0.630102222	0.635235556	0.658871111	0.6662	0.621688889	0.603164444	0.591364444
241	8/27/2022	0.675568889	0.683604444	0.679222222	0.677008889	0.652791111	0.662955556	0.645657778	0.639826667
242	8/28/2022	0.858266667	0.874044444	0.842613333	0.852382222	0.861493333	0.860968889	0.825906667	0.804395556
243	8/29/2022	0.620991111	0.641546667	0.591511111	0.603973333	0.582186667	0.597635556	0.556515556	0.539377778
244	8/30/2022	0.61612	0.635204444	0.660395556	0.644488889	0.63756	0.648191111	0.613755556	0.593835556
245	8/31/2022	0.617506667	0.633075556	0.610275556	0.630591111	0.614733333	0.630306667	0.591106667	0.56148
246	9/1/2022	0.619742222	0.645751111	0.621537778	0.648568889	0.632888889	0.625631111	0.597666667	0.583266667
247	9/2/2022	0.669297778	0.6332	0.645782222	0.6462	0.625715556	0.624222222	0.60924	0.603848889
248	9/3/2022	0.485622222	0.47564	0.45888	0.476257778	0.505404444	0.46652	0.493582222	0.464146667
249	9/4/2022	0.556235556	0.557395556	0.591604444	0.585448889	0.604062222	0.589231111	0.559733333	0.560355556
250	9/5/2022	0.667617778	0.670733333	0.660648889	0.659977778	0.644902222	0.632217778	0.596404444	0.581604444
251	9/6/2022	0.63104	0.603217778	0.613662222	0.633195556	0.647066667	0.604426667	0.560022222	0.585862222
252	9/7/2022	0.510817778	0.524693333	0.5526	0.556875556	0.546044444	0.559391111	0.543484444	0.542155556
253	9/8/2022	0.534928889	0.50324	0.499497778	0.51424	0.517057778	0.520462222	0.498902222	0.520128889
254	9/9/2022	0.585742222	0.594017778	0.583013333	0.601293333	0.575666667	0.557337778	0.547253333	0.56536
255	9/10/2022	0.523924444	0.523564444	0.520191111	0.530155556	0.532062222	0.542586667	0.531706667	0.506631111
256	9/11/2022	0.564586667	0.588453333	0.595071111	0.580244444	0.574062222	0.59288	0.591235556	0.605182222
257	9/12/2022	0.444635556	0.439493333	0.440733333	0.463528889	0.461835556	0.440231111	0.426271111	0.417804444

	B	CN	CO	CP	CQ	CR	CS	CT	CU
2	measurement date	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345
226	8/12/2022	0.488848889	0.475591111	0.460426667	0.435097778	0.424284444	0.400968889	0.38176	0.385124444
227	8/13/2022	0.544591111	0.546177778	0.535168889	0.524533333	0.495417778	0.461751111	0.451937778	0.421164444
228	8/14/2022	0.532502222	0.53448	0.483764444	0.460173333	0.45136	0.403311111	0.368208889	0.357328889
229	8/15/2022	0.55488	0.54708	0.523502222	0.492977778	0.482986667	0.4752	0.444475556	0.41856
230	8/16/2022	0.607848889	0.590351111	0.546035556	0.511777778	0.479337778	0.464506667	0.424804444	0.429342222
231	8/17/2022	0.579066667	0.566648889	0.548075556	0.523688889	0.503288889	0.491675556	0.467062222	0.451657778
232	8/18/2022	0.589057778	0.563297778	0.528715556	0.50904	0.470711111	0.449804444	0.439488889	0.417786667
233	8/19/2022	0.5914	0.569626667	0.569044444	0.544288889	0.543057778	0.533302222	0.506622222	0.50904
234	8/20/2022	0.534337778	0.537702222	0.52124	0.497293333	0.460333333	0.454342222	0.452306667	0.447897778
235	8/21/2022	0.566768889	0.588266667	0.58272	0.527195556	0.514266667	0.466453333	0.457382222	0.413826667
236	8/22/2022	0.579337778	0.560293333	0.517253333	0.510568889	0.454546667	0.433902222	0.415564444	0.405768889
237	8/23/2022	0.562151111	0.561955556	0.551848889	0.485044444	0.456733333	0.435155556	0.426635556	0.39444
238	8/24/2022	0.58676	0.577217778	0.558653333	0.544008889	0.488053333	0.473595556	0.446297778	0.425088889
239	8/25/2022	0.647342222	0.594497778	0.570417778	0.535893333	0.524622222	0.484008889	0.47928	0.433537778
240	8/26/2022	0.589542222	0.585346667	0.563164444	0.555062222	0.561631111	0.522502222	0.49236	0.489768889
241	8/27/2022	0.618622222	0.624004444	0.599204444	0.595924444	0.551715556	0.540653333	0.506751111	0.488195556
242	8/28/2022	0.765137778	0.788791111	0.779995556	0.751884444	0.70996	0.703395556	0.662933333	0.637515556
243	8/29/2022	0.516	0.522208889	0.534128889	0.533008889	0.503688889	0.478746667	0.469115556	0.421386667
244	8/30/2022	0.582835556	0.552804444	0.548564444	0.51424	0.516084444	0.471897778	0.438146667	0.409071111
245	8/31/2022	0.534226667	0.535182222	0.524506667	0.506195556	0.4706	0.431391111	0.42656	0.390324444
246	9/1/2022	0.573684444	0.577488889	0.566742222	0.516431111	0.481048889	0.481097778	0.449195556	0.416031111
247	9/2/2022	0.609568889	0.602648889	0.612662222	0.573142222	0.545333333	0.537955556	0.5098	0.51296
248	9/3/2022	0.469115556	0.441786667	0.42904	0.407844444	0.402422222	0.401951111	0.416986667	0.387555556
249	9/4/2022	0.529604444	0.556333333	0.526897778	0.538475556	0.52596	0.511608889	0.5228	0.482751111
250	9/5/2022	0.565475556	0.553555556	0.56148	0.553631111	0.510057778	0.46916	0.464626667	0.447177778
251	9/6/2022	0.56888	0.551271111	0.523697778	0.517142222	0.475146667	0.455551111	0.427302222	0.380511111
252	9/7/2022	0.507853333	0.52916	0.49472	0.462524444	0.435115556	0.403648889	0.387262222	0.355866667
253	9/8/2022	0.511231111	0.470097778	0.45712	0.408666667	0.393257778	0.40036	0.381235556	0.353555556
254	9/9/2022	0.539831111	0.512373333	0.495746667	0.50124	0.495951111	0.476391111	0.461062222	0.453431111
255	9/10/2022	0.510844444	0.496533333	0.477462222	0.471791111	0.463768889	0.463253333	0.468404444	0.431888889
256	9/11/2022	0.582164444	0.551124444	0.500271111	0.480835556	0.430888889	0.42436	0.422497778	0.373395556
257	9/12/2022	0.418528889	0.387146667	0.407102222	0.389693333	0.363324444	0.325724444	0.296844444	0.289906667

	B	CV	CW	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB
2	measurement date	D_2400		1	2	3	4	5	6	7	8	9	10	11	12
226	8/12/2022	0.357684444	0.50	1.70	1.47	1.38	1.21	1.16	1.13	1.19	1.08	0.79	0.51	0.32	0.19
227	8/13/2022	0.422053333	0.55	1.41	1.19	1.09	0.99	0.92	0.94	0.91	0.82	0.66	0.44	0.33	0.16
228	8/14/2022	0.346324444	0.59	1.65	1.49	1.29	1.11	1.09	0.99	1.00	0.93	1.04	1.14	1.07	0.69
229	8/15/2022	0.382026667	0.51	1.38	1.25	1.13	1.11	1.09	1.08	1.17	1.17	0.96	0.68	0.50	0.52
230	8/16/2022	0.424862222	0.58	1.45	1.30	1.16	1.08	1.04	1.01	1.11	1.01	0.81	0.43	0.38	0.30
231	8/17/2022	0.440511111	0.57	1.46	1.35	1.20	1.10	1.09	1.07	1.22	1.09	0.79	0.58	0.38	0.39
232	8/18/2022	0.417524444	0.58	1.55	1.32	1.24	1.10	1.03	1.01	1.16	1.13	0.83	0.52	0.33	0.23
233	8/19/2022	0.478075556	0.61	1.49	1.31	1.21	1.06	1.07	1.06	1.21	1.10	0.75	0.54	0.36	0.29
234	8/20/2022	0.438782222	0.60	1.75	1.56	1.40	1.24	1.17	1.12	1.09	0.97	0.84	0.84	0.69	0.51
235	8/21/2022	0.383533333	0.64	1.64	1.45	1.28	1.23	1.12	1.06	1.12	1.16	1.01	0.91	1.08	1.13
236	8/22/2022	0.377995556	0.57	1.37	1.24	1.16	1.05	1.09	1.06	1.25	1.09	0.78	0.60	0.45	0.51
237	8/23/2022	0.387177778	0.61	1.38	1.25	1.16	1.07	1.00	1.06	1.18	1.06	0.70	0.50	0.32	0.32
238	8/24/2022	0.417457778	0.63	1.42	1.20	1.09	1.05	0.99	1.00	1.14	1.02	0.69	0.51	0.29	0.32
239	8/25/2022	0.42564	0.64	1.50	1.36	1.24	1.12	1.08	1.11	1.18	1.15	0.76	0.55	0.38	0.30
240	8/26/2022	0.468724444	0.63	1.64	1.41	1.30	1.24	1.18	1.19	1.30	1.26	0.95	0.67	0.52	0.39
241	8/27/2022	0.461711111	0.68	1.65	1.53	1.28	1.23	1.14	1.08	1.07	1.08	0.85	0.72	0.51	0.42
242	8/28/2022	0.608751111	0.86	1.72	1.53	1.37	1.35	1.24	1.15	1.12	1.07	0.95	0.84	0.66	0.53
243	8/29/2022	0.415822222	0.72	2.30	2.04	1.88	1.78	1.69	1.63	1.77	1.63	1.19	0.98	0.78	0.64
244	8/30/2022	0.374382222	0.62	1.57	1.46	1.36	1.26	1.24	1.24	1.43	1.45	1.24	0.98	0.74	0.51
245	8/31/2022	0.384475556	0.62	1.48	1.33	1.16	1.10	1.00	1.04	1.20	1.07	0.66	0.49	0.29	0.28
246	9/1/2022	0.404488889	0.63	1.35	1.22	1.10	1.02	1.00	1.06	1.16	1.09	0.74	0.51	0.34	0.25
247	9/2/2022	0.459662222	0.67	1.52	1.37	1.29	1.16	1.09	1.09	1.22	1.15	0.75	0.49	0.38	0.39
248	9/3/2022	0.339564444	0.53	1.77	1.58	1.50	1.36	1.30	1.26	1.31	1.33	1.16	1.42	1.17	1.13
249	9/4/2022	0.438604444	0.56	1.33	1.21	1.18	1.21	1.11	1.09	1.16	1.19	1.27	0.97	0.88	0.79
250	9/5/2022	0.418902222	0.68	1.65	1.47	1.38	1.28	1.25	1.25	1.23	1.23	1.19	1.17	0.81	0.82
251	9/6/2022	0.37532	0.63	1.53	1.44	1.38	1.26	1.27	1.30	1.43	1.48	1.34	1.19	1.05	1.09
252	9/7/2022	0.382195556	0.53	1.37	1.29	1.13	1.02	1.03	1.05	1.25	1.14	0.74	0.50	0.32	0.25
253	9/8/2022	0.346177778	0.53	1.37	1.17	1.12	1.01	0.97	0.99	1.09	1.10	0.72	0.41	0.26	0.24
254	9/9/2022	0.4184	0.59	1.24	1.16	1.04	0.94	0.92	0.95	1.09	1.00	0.68	0.45	0.26	0.20
255	9/10/2022	0.411311111	0.52	1.60	1.46	1.36	1.25	1.19	1.19	1.16	1.31	1.05	0.84	0.54	0.52
256	9/11/2022	0.350035556	0.62	1.51	1.42	1.33	1.20	1.15	1.08	1.11	1.24	1.36	1.36	1.06	0.77
257	9/12/2022	0.283106667	0.45	1.32	1.27	1.12	1.03	1.05	1.02	1.20	1.21	0.85	0.52	0.35	0.20

	B	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
2	measurement date	13	14	15	16	17	18	19	20	21	22	23	24
226	8/12/2022	0.21	0.19	0.24	0.31	0.52	0.95	1.35	1.76	2.04	1.97	1.80	1.53
227	8/13/2022	0.15	0.24	0.32	0.39	0.58	1.05	1.87	2.02	2.23	2.27	2.10	1.76
228	8/14/2022	0.63	0.66	0.95	0.75	1.07	1.60	1.99	2.24	2.32	2.16	1.93	1.48
229	8/15/2022	0.44	0.43	0.72	0.55	0.98	1.46	1.77	1.91	2.31	2.27	2.05	1.72
230	8/16/2022	0.30	0.40	0.49	0.65	1.00	1.21	1.63	2.06	2.60	2.47	2.13	1.74
231	8/17/2022	0.41	0.42	0.49	0.58	0.73	1.34	1.90	2.18	2.52	2.39	2.14	1.85
232	8/18/2022	0.28	0.35	0.48	0.65	0.87	1.37	1.84	2.18	2.57	2.43	2.07	1.72
233	8/19/2022	0.40	0.49	0.63	0.72	0.91	1.33	1.85	2.32	2.42	2.36	2.23	2.03
234	8/20/2022	0.65	0.88	0.98	1.41	0.90	2.05	2.34	2.21	2.17	2.16	2.02	1.79
235	8/21/2022	1.06	0.82	1.54	1.25	0.90	1.45	2.02	2.34	2.56	2.40	2.21	1.72
236	8/22/2022	0.46	0.46	0.43	0.56	0.68	1.31	1.69	2.12	2.42	2.38	2.04	1.63
237	8/23/2022	0.42	0.36	0.42	0.46	0.59	1.14	1.78	2.29	2.50	2.40	2.06	1.64
238	8/24/2022	0.39	0.40	0.40	0.56	0.82	1.34	1.78	2.38	2.62	2.48	2.17	1.76
239	8/25/2022	0.44	0.32	0.46	0.62	0.94	1.21	1.84	2.47	2.75	2.55	2.23	1.82
240	8/26/2022	0.60	0.89	1.15	0.59	1.04	1.42	1.87	2.41	2.59	2.41	2.27	1.97
241	8/27/2022	0.43	0.49	0.66	0.91	1.22	1.43	2.02	2.53	2.69	2.57	2.37	2.00
242	8/28/2022	0.54	0.66	0.84	1.10	1.58	2.06	2.56	3.20	3.43	3.26	3.03	2.61
243	8/29/2022	0.58	0.82	1.46	1.85	2.53	2.76	2.54	2.37	2.42	2.21	2.09	1.79
244	8/30/2022	0.54	0.40	0.50	0.66	0.81	1.40	1.99	2.43	2.58	2.44	2.13	1.69
245	8/31/2022	0.23	0.25	0.38	0.54	0.80	1.30	1.88	2.32	2.49	2.32	2.04	1.63
246	9/1/2022	0.32	0.44	0.57	0.80	1.02	1.51	1.92	2.45	2.55	2.38	2.14	1.75
247	9/2/2022	0.40	0.53	0.60	0.61	0.92	1.40	2.20	2.58	2.55	2.45	2.33	2.02
248	9/3/2022	1.23	0.93	0.86	1.15	1.64	1.90	1.95	2.02	1.92	1.89	1.68	1.55
249	9/4/2022	0.71	0.73	0.72	0.95	1.31	1.49	2.01	2.16	2.34	2.24	2.15	1.96
250	9/5/2022	0.99	0.95	0.85	1.10	1.19	1.91	2.57	2.53	2.64	2.38	2.18	1.80
251	9/6/2022	0.95	0.58	0.62	0.54	0.59	1.20	1.76	2.32	2.50	2.32	2.07	1.64
252	9/7/2022	0.32	0.38	0.44	0.51	0.79	1.20	1.64	2.09	2.18	2.15	1.92	1.53
253	9/8/2022	0.32	0.25	0.32	0.49	0.65	0.98	1.48	2.05	2.03	2.05	1.73	1.48
254	9/9/2022	0.18	0.34	0.51	0.74	0.97	1.43	1.92	2.24	2.35	2.21	2.01	1.81
255	9/10/2022	0.54	0.57	0.56	0.79	1.28	1.47	1.74	1.97	2.11	2.09	1.91	1.77
256	9/11/2022	1.00	0.94	0.64	0.97	1.50	2.00	1.91	2.37	2.34	2.37	1.96	1.57
257	9/12/2022	0.21	0.21	0.36	0.38	0.47	1.16	1.63	1.74	1.81	1.70	1.55	1.20

	B	C	D	E	F	G	H	I	J	K
2	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145
258	9/13/2022	9	2	0.270475556	0.266502222	0.284377778	0.283484444	0.272342222	0.262035556	0.259848889
259	9/14/2022	9	3	0.291102222	0.297431111	0.269448889	0.269288889	0.264	0.266644444	0.258982222
260	9/15/2022	9	4	0.291844444	0.299995556	0.294604444	0.287724444	0.267391111	0.285164444	0.261915556
261	9/16/2022	9	5	0.341671111	0.33588	0.319906667	0.3084	0.290266667	0.289253333	0.285991111
262	9/17/2022	9	6	0.369577778	0.348422222	0.337111111	0.319195556	0.328284444	0.326555556	0.320466667
263	9/18/2022	9	7	0.359684444	0.350826667	0.328284444	0.317311111	0.304302222	0.298635556	0.291462222
264	9/19/2022	9	1	0.395733333	0.366364444	0.374048889	0.371222222	0.361008889	0.346591111	0.339142222
265	9/20/2022	9	2	0.409866667	0.398337778	0.381551111	0.360875556	0.361671111	0.352582222	0.346902222
266	9/21/2022	9	3	0.414377778	0.397986667	0.386844444	0.37756	0.35804	0.341533333	0.337751111
267	9/22/2022	9	4	0.445342222	0.436155556	0.423595556	0.402182222	0.399737778	0.393408889	0.3828
268	9/23/2022	9	5	0.261888889	0.259613333	0.241346667	0.215928889	0.220044444	0.215222222	0.215924444
269	9/24/2022	9	6	0.23668	0.250408889	0.254662222	0.245128889	0.231377778	0.219862222	0.209986667
270	9/25/2022	9	7	0.309711111	0.290626667	0.27928	0.258586667	0.235417778	0.229057778	0.235137778
271	9/26/2022	9	1	0.259253333	0.2458	0.243155556	0.223982222	0.225475556	0.213257778	0.21416
272	9/27/2022	9	2	0.261724444	0.258906667	0.242817778	0.241915556	0.228431111	0.213373333	0.212444444
273	9/28/2022	9	3	0.228173333	0.217622222	0.216582222	0.204808889	0.202595556	0.200168889	0.220888889
274	9/29/2022	9	4	0.233582222	0.237235556	0.239582222	0.231862222	0.230062222	0.212706667	0.228004444
275	9/30/2022	9	5	0.263164444	0.246333333	0.240351111	0.222804444	0.218533333	0.213577778	0.217742222
276	10/1/2022	10	6	0.225448889	0.229782222	0.220711111	0.215537778	0.19896	0.201195556	0.209026667
277	10/2/2022	10	7	0.25568	0.24256	0.24704	0.242386667	0.233982222	0.228306667	0.233
278	10/3/2022	10	1	0.222831111	0.224773333	0.209808889	0.219942222	0.210808889	0.212462222	0.200906667
279	10/4/2022	10	2	0.22132	0.211044444	0.226728889	0.206693333	0.198155556	0.198942222	0.203133333
280	10/5/2022	10	3	0.226897778	0.215151111	0.217857778	0.207146667	0.200915556	0.203088889	0.209186667
281	10/6/2022	10	4	0.236928889	0.252706667	0.236928889	0.228555556	0.241591111	0.223631111	0.205377778
282	10/7/2022	10	5	0.246897778	0.23796	0.237968889	0.238728889	0.228857778	0.209431111	0.212648889
283	10/8/2022	10	6	0.270088889	0.256795556	0.232328889	0.220297778	0.208515556	0.213866667	0.210768889
284	10/9/2022	10	7	0.281435556	0.262004444	0.274057778	0.25828	0.252382222	0.265706667	0.269226667
285	10/10/2022	10	1	0.266737778	0.246266667	0.243991111	0.226617778	0.226146667	0.240004444	0.234808889
286	10/11/2022	10	2	0.222435556	0.222275556	0.231075556	0.217746667	0.211911111	0.204662222	0.220546667
287	10/12/2022	10	3	0.240657778	0.218848889	0.213835556	0.209688889	0.214551111	0.214915556	0.224866667
288	10/13/2022	10	4	0.252471111	0.246128889	0.221062222	0.225475556	0.217124444	0.220293333	0.215182222
289	10/14/2022	10	5	0.250026667	0.233333333	0.229444444	0.229186667	0.227791111	0.221511111	0.223142222

	B	L	M	N	O	P	Q	R	S
2	measurement date	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330	D_0345
258	9/13/2022	0.254831111	0.260262222	0.227026667	0.228102222	0.218137778	0.22176	0.228262222	0.223564444
259	9/14/2022	0.257804444	0.250284444	0.249986667	0.255666667	0.248893333	0.238395556	0.225862222	0.217444444
260	9/15/2022	0.270844444	0.242626667	0.252355556	0.253133333	0.23856	0.22228	0.222382222	0.223706667
261	9/16/2022	0.28432	0.264404444	0.257493333	0.259413333	0.255693333	0.244364444	0.24184	0.22928
262	9/17/2022	0.327204444	0.302684444	0.308226667	0.301373333	0.292675556	0.288364444	0.270942222	0.28284
263	9/18/2022	0.291844444	0.305088889	0.285853333	0.277017778	0.27152	0.264306667	0.252133333	0.237097778
264	9/19/2022	0.345915556	0.328417778	0.314213333	0.308404444	0.305208889	0.29616	0.275306667	0.280364444
265	9/20/2022	0.326	0.328893333	0.315048889	0.302862222	0.301871111	0.279755556	0.274373333	0.275146667
266	9/21/2022	0.340831111	0.321097778	0.314582222	0.308102222	0.297951111	0.287866667	0.289346667	0.287408889
267	9/22/2022	0.365804444	0.372333333	0.359551111	0.350751111	0.348444444	0.348928889	0.326484444	0.346191111
268	9/23/2022	0.216182222	0.227315556	0.217413333	0.207568889	0.211697778	0.219742222	0.221111111	0.229613333
269	9/24/2022	0.223964444	0.223693333	0.222471111	0.228902222	0.216026667	0.216253333	0.208742222	0.206426667
270	9/25/2022	0.241697778	0.250146667	0.232733333	0.232115556	0.216577778	0.214893333	0.219377778	0.203804444
271	9/26/2022	0.217235556	0.221097778	0.208853333	0.219982222	0.212306667	0.228697778	0.197311111	0.203746667
272	9/27/2022	0.208657778	0.204871111	0.203808889	0.206973333	0.193422222	0.195644444	0.18552	0.181871111
273	9/28/2022	0.214324444	0.199288889	0.198408889	0.189404444	0.190653333	0.190373333	0.192897778	0.206506667
274	9/29/2022	0.219128889	0.220671111	0.225088889	0.210115556	0.205142222	0.20932	0.214057778	0.230404444
275	9/30/2022	0.214671111	0.209177778	0.198942222	0.198186667	0.198808889	0.208857778	0.207626667	0.204217778
276	10/1/2022	0.190675556	0.197244444	0.196608889	0.19184	0.181337778	0.187737778	0.184724444	0.182177778
277	10/2/2022	0.214346667	0.2026	0.211266667	0.192444444	0.19984	0.19928	0.197128889	0.192124444
278	10/3/2022	0.194275556	0.19804	0.206155556	0.194084444	0.195942222	0.213995556	0.198711111	0.186328889
279	10/4/2022	0.196524444	0.20496	0.207208889	0.202506667	0.1944	0.206217778	0.200502222	0.207791111
280	10/5/2022	0.20964	0.190973333	0.196311111	0.190862222	0.197337778	0.19148	0.192013333	0.184697778
281	10/6/2022	0.207951111	0.207231111	0.196782222	0.204506667	0.203737778	0.205586667	0.19272	0.201395556
282	10/7/2022	0.214373333	0.220777778	0.204426667	0.19868	0.196097778	0.199257778	0.212653333	0.202857778
283	10/8/2022	0.229435556	0.232151111	0.232142222	0.2204	0.215995556	0.212111111	0.213511111	0.212706667
284	10/9/2022	0.277248889	0.257893333	0.254128889	0.238893333	0.226164444	0.231546667	0.229662222	0.244151111
285	10/10/2022	0.220053333	0.230448889	0.218395556	0.216364444	0.219715556	0.209657778	0.213773333	0.213195556
286	10/11/2022	0.218737778	0.232173333	0.2114	0.193093333	0.193328889	0.213751111	0.213191111	0.204133333
287	10/12/2022	0.211924444	0.22308	0.206431111	0.19928	0.190204444	0.199662222	0.192373333	0.201195556
288	10/13/2022	0.217777778	0.201808889	0.197853333	0.206702222	0.203377778	0.21056	0.204217778	0.18644
289	10/14/2022	0.247591111	0.228346667	0.217742222	0.206564444	0.210671111	0.207088889	0.210506667	0.204475556

	B	T	U	V	W	X	Y	Z	AA
2	measurement date	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545
258	9/13/2022	0.217653333	0.206835556	0.208942222	0.223835556	0.225146667	0.220102222	0.220613333	0.212924444
259	9/14/2022	0.214031111	0.220186667	0.209911111	0.217466667	0.21984	0.210351111	0.223053333	0.233031111
260	9/15/2022	0.226444444	0.219337778	0.206146667	0.213915556	0.217377778	0.213235556	0.208346667	0.23732
261	9/16/2022	0.224173333	0.224697778	0.232733333	0.227124444	0.226524444	0.231911111	0.239386667	0.236453333
262	9/17/2022	0.265253333	0.247546667	0.254102222	0.250893333	0.256786667	0.234991111	0.24448	0.243026667
263	9/18/2022	0.237022222	0.24268	0.238302222	0.224226667	0.226022222	0.22444	0.23052	0.223275556
264	9/19/2022	0.273115556	0.260817778	0.284342222	0.263897778	0.262071111	0.26512	0.258893333	0.267026667
265	9/20/2022	0.254413333	0.267142222	0.271951111	0.24444	0.248662222	0.266888889	0.252191111	0.261004444
266	9/21/2022	0.269066667	0.270604444	0.279831111	0.272275556	0.263253333	0.272657778	0.27464	0.272275556
267	9/22/2022	0.329004444	0.316688889	0.336817778	0.312102222	0.306124444	0.328462222	0.33072	0.321471111
268	9/23/2022	0.200862222	0.204288889	0.20812	0.217875556	0.223728889	0.217044444	0.208471111	0.202826667
269	9/24/2022	0.200071111	0.202911111	0.207173333	0.194706667	0.195475556	0.201235556	0.206902222	0.218408889
270	9/25/2022	0.202022222	0.204871111	0.207595556	0.220128889	0.213586667	0.211471111	0.209035556	0.209515556
271	9/26/2022	0.197297778	0.210755556	0.214413333	0.218586667	0.213946667	0.221022222	0.218595556	0.248231111
272	9/27/2022	0.18496	0.193448889	0.204764444	0.202133333	0.205817778	0.208564444	0.220444444	0.229111111
273	9/28/2022	0.18652	0.194884444	0.194551111	0.190782222	0.201342222	0.209386667	0.223951111	0.243844444
274	9/29/2022	0.198657778	0.197955556	0.202946667	0.20744	0.203351111	0.206568889	0.218653333	0.226648889
275	9/30/2022	0.208995556	0.197075556	0.204204444	0.195355556	0.193035556	0.205262222	0.213817778	0.232351111
276	10/1/2022	0.194502222	0.188062222	0.178546667	0.193777778	0.205271111	0.188693333	0.191088889	0.20844
277	10/2/2022	0.189484444	0.18884	0.194404444	0.200057778	0.194404444	0.195062222	0.205528889	0.207053333
278	10/3/2022	0.18744	0.198266667	0.203502222	0.182951111	0.189631111	0.196968889	0.193671111	0.203324444
279	10/4/2022	0.202791111	0.201684444	0.200155556	0.207528889	0.200817778	0.194542222	0.213462222	0.244324444
280	10/5/2022	0.188444444	0.191208889	0.207244444	0.197968889	0.19716	0.20116	0.201671111	0.218457778
281	10/6/2022	0.200173333	0.195164444	0.200382222	0.206702222	0.196968889	0.205844444	0.194808889	0.212915556
282	10/7/2022	0.202457778	0.182311111	0.199733333	0.217373333	0.199231111	0.196466667	0.207657778	0.201266667
283	10/8/2022	0.199337778	0.216142222	0.212871111	0.203511111	0.198208889	0.20764	0.20812	0.223991111
284	10/9/2022	0.238262222	0.241231111	0.251328889	0.243333333	0.247235556	0.239937778	0.234826667	0.266417778
285	10/10/2022	0.211377778	0.224573333	0.213511111	0.236435556	0.231382222	0.247057778	0.252746667	0.240888889
286	10/11/2022	0.197826667	0.2022	0.201168889	0.193746667	0.196795556	0.207448889	0.223737778	0.233404444
287	10/12/2022	0.191564444	0.199951111	0.189195556	0.203097778	0.200862222	0.193968889	0.2022	0.212
288	10/13/2022	0.193488889	0.199324444	0.195684444	0.192	0.195942222	0.195884444	0.203804444	0.207315556
289	10/14/2022	0.233013333	0.22984	0.231017778	0.24096	0.237662222	0.230591111	0.267786667	0.252444444

	B	AB	AC	AD	AE	AF	AG	AH	AI
2	measurement date	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730	D_0745
258	9/13/2022	0.220413333	0.237395556	0.268311111	0.266364444	0.286266667	0.279546667	0.267102222	0.253831111
259	9/14/2022	0.237782222	0.257088889	0.273417778	0.269026667	0.274964444	0.275048889	0.268613333	0.263835556
260	9/15/2022	0.232075556	0.246057778	0.25812	0.257182222	0.279235556	0.275648889	0.251044444	0.254182222
261	9/16/2022	0.235408889	0.253724444	0.260506667	0.264342222	0.280297778	0.274968889	0.276257778	0.263955556
262	9/17/2022	0.230684444	0.243435556	0.256831111	0.243102222	0.260364444	0.273728889	0.256644444	0.255724444
263	9/18/2022	0.213453333	0.213142222	0.231871111	0.23024	0.239293333	0.23432	0.245066667	0.238293333
264	9/19/2022	0.26632	0.28596	0.304457778	0.326528889	0.349306667	0.323502222	0.311231111	0.313355556
265	9/20/2022	0.270524444	0.30068	0.287528889	0.271328889	0.288217778	0.293106667	0.287368889	0.307746667
266	9/21/2022	0.28308	0.297275556	0.312431111	0.329137778	0.349342222	0.306182222	0.333768889	0.340382222
267	9/22/2022	0.326457778	0.320311111	0.334048889	0.327755556	0.329062222	0.327764444	0.346182222	0.319497778
268	9/23/2022	0.211448889	0.237622222	0.240546667	0.250844444	0.258697778	0.256395556	0.271524444	0.262848889
269	9/24/2022	0.208662222	0.204208889	0.211373333	0.210768889	0.210675556	0.221857778	0.240062222	0.246946667
270	9/25/2022	0.214048889	0.208142222	0.211044444	0.210982222	0.225906667	0.22288	0.237764444	0.25204
271	9/26/2022	0.232804444	0.244155556	0.248266667	0.255368889	0.287568889	0.267617778	0.266444444	0.255075556
272	9/27/2022	0.249724444	0.258568889	0.270582222	0.278262222	0.281448889	0.274884444	0.276102222	0.259355556
273	9/28/2022	0.232066667	0.245795556	0.245248889	0.279493333	0.292395556	0.270946667	0.281568889	0.289573333
274	9/29/2022	0.234595556	0.255057778	0.280213333	0.297564444	0.314435556	0.305475556	0.305026667	0.292666667
275	9/30/2022	0.2448	0.2552	0.255333333	0.291142222	0.28836	0.267284444	0.256768889	0.246613333
276	10/1/2022	0.200902222	0.203755556	0.198217778	0.210404444	0.197631111	0.208413333	0.241004444	0.238977778
277	10/2/2022	0.186466667	0.202466667	0.198955556	0.209244444	0.2312	0.238151111	0.249275556	0.239204444
278	10/3/2022	0.209733333	0.226204444	0.244346667	0.241097778	0.256551111	0.254417778	0.274457778	0.289755556
279	10/4/2022	0.249173333	0.264351111	0.282733333	0.292728889	0.299302222	0.276342222	0.264106667	0.288648889
280	10/5/2022	0.221235556	0.229528889	0.25784	0.274066667	0.2926	0.296106667	0.294124444	0.293768889
281	10/6/2022	0.208906667	0.2274	0.225906667	0.247031111	0.271617778	0.272933333	0.282893333	0.298577778
282	10/7/2022	0.20716	0.215773333	0.222271111	0.241248889	0.251431111	0.26352	0.248493333	0.252044444
283	10/8/2022	0.230471111	0.23052	0.222048889	0.23344	0.247875556	0.268017778	0.29508	0.294408889
284	10/9/2022	0.265986667	0.235657778	0.248346667	0.242382222	0.27568	0.27732	0.29176	0.29808
285	10/10/2022	0.2466	0.280453333	0.266266667	0.295373333	0.307226667	0.28188	0.293031111	0.290093333
286	10/11/2022	0.228946667	0.237688889	0.246128889	0.260506667	0.25764	0.263906667	0.254888889	0.272373333
287	10/12/2022	0.223382222	0.230813333	0.235911111	0.24996	0.267137778	0.252195556	0.248022222	0.275742222
288	10/13/2022	0.228373333	0.227688889	0.227946667	0.251293333	0.26788	0.253706667	0.234217778	0.23508
289	10/14/2022	0.253471111	0.267097778	0.265822222	0.289497778	0.323742222	0.299186667	0.294626667	0.303471111

	B	AJ	AK	AL	AM	AN	AO	AP	AQ
2	measurement date	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945
258	9/13/2022	0.217257778	0.199955556	0.176791111	0.171684444	0.169955556	0.140924444	0.113537778	0.089315556
259	9/14/2022	0.234204444	0.197235556	0.164231111	0.141875556	0.128742222	0.113204444	0.10412	0.091435556
260	9/15/2022	0.194733333	0.177093333	0.151955556	0.13444	0.123551111	0.101057778	0.095626667	0.094568889
261	9/16/2022	0.225702222	0.212928889	0.195995556	0.173684444	0.152417778	0.130284444	0.111737778	0.112595556
262	9/17/2022	0.226088889	0.208017778	0.200302222	0.177653333	0.166764444	0.149431111	0.139271111	0.135671111
263	9/18/2022	0.229435556	0.233986667	0.221213333	0.203484444	0.199413333	0.185457778	0.162684444	0.135426667
264	9/19/2022	0.32524	0.318022222	0.263075556	0.205626667	0.159742222	0.158288889	0.159315556	0.148346667
265	9/20/2022	0.269435556	0.239271111	0.234324444	0.177088889	0.154968889	0.141644444	0.137733333	0.128008889
266	9/21/2022	0.304044444	0.289737778	0.246035556	0.214013333	0.18948	0.1592	0.153533333	0.141235556
267	9/22/2022	0.305164444	0.274764444	0.252502222	0.234622222	0.154506667	0.186768889	0.166351111	0.098466667
268	9/23/2022	0.228715556	0.212413333	0.187804444	0.174711111	0.135275556	0.121813333	0.126515556	0.098271111
269	9/24/2022	0.235502222	0.231191111	0.212893333	0.183973333	0.181053333	0.179728889	0.194511111	0.181604444
270	9/25/2022	0.258111111	0.262826667	0.252382222	0.244831111	0.230728889	0.275302222	0.194311111	0.205737778
271	9/26/2022	0.234755556	0.227088889	0.179106667	0.167435556	0.156315556	0.152377778	0.115711111	0.10332
272	9/27/2022	0.234977778	0.194213333	0.17844	0.148368889	0.139964444	0.134555556	0.10184	0.10344
273	9/28/2022	0.250911111	0.219031111	0.218311111	0.193426667	0.164595556	0.152391111	0.110337778	0.104995556
274	9/29/2022	0.278106667	0.267213333	0.21768	0.171737778	0.145711111	0.130208889	0.112382222	0.097742222
275	9/30/2022	0.235986667	0.211653333	0.229244444	0.170488889	0.139653333	0.107871111	0.098	0.083462222
276	10/1/2022	0.234977778	0.227453333	0.199453333	0.15248	0.124457778	0.113324444	0.149688889	0.13648
277	10/2/2022	0.229422222	0.249542222	0.212582222	0.181951111	0.177146667	0.160937778	0.136262222	0.114555556
278	10/3/2022	0.247142222	0.240253333	0.203062222	0.16356	0.150253333	0.133831111	0.122728889	0.075937778
279	10/4/2022	0.2886	0.229226667	0.199257778	0.181955556	0.149617778	0.146262222	0.104582222	0.087991111
280	10/5/2022	0.270324444	0.22936	0.196955556	0.172368889	0.137511111	0.132173333	0.13432	0.1188
281	10/6/2022	0.28972	0.267826667	0.234728889	0.182008889	0.175835556	0.182288889	0.136884444	0.118573333
282	10/7/2022	0.235688889	0.232391111	0.199608889	0.152915556	0.147813333	0.161453333	0.139546667	0.107115556
283	10/8/2022	0.310493333	0.297813333	0.284542222	0.234062222	0.241928889	0.19392	0.159648889	0.13568
284	10/9/2022	0.3186	0.318728889	0.287826667	0.256213333	0.23268	0.210675556	0.186937778	0.155146667
285	10/10/2022	0.322293333	0.31572	0.259915556	0.223008889	0.190262222	0.171884444	0.130271111	0.123871111
286	10/11/2022	0.251417778	0.249906667	0.232515556	0.188608889	0.159204444	0.160546667	0.141035556	0.1386
287	10/12/2022	0.265288889	0.245404444	0.199053333	0.199693333	0.184711111	0.183493333	0.186484444	0.137062222
288	10/13/2022	0.235662222	0.259831111	0.253302222	0.203146667	0.154524444	0.144444444	0.11308	0.094168889
289	10/14/2022	0.328208889	0.270017778	0.2746	0.226582222	0.185386667	0.168964444	0.135311111	0.107848889

	B	AR	AS	AT	AU	AV	AW	AX	AY
2	measurement date	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
258	9/13/2022	0.084271111	0.097968889	0.079888889	0.082066667	0.059493333	0.046448889	0.046284444	0.058004444
259	9/14/2022	0.082391111	0.079497778	0.074911111	0.069866667	0.06456	0.067951111	0.052337778	0.06104
260	9/15/2022	0.074982222	0.074755556	0.067573333	0.06232	0.047671111	0.040724444	0.030857778	0.029982222
261	9/16/2022	0.09604	0.075542222	0.081902222	0.066106667	0.055795556	0.037613333	0.039293333	0.036555556
262	9/17/2022	0.121631111	0.109937778	0.106715556	0.1184	0.110657778	0.08436	0.084773333	0.065755556
263	9/18/2022	0.147506667	0.122035556	0.105924444	0.099293333	0.102555556	0.079773333	0.06208	0.061648889
264	9/19/2022	0.162582222	0.116826667	0.112915556	0.091862222	0.095693333	0.065675556	0.062928889	0.068
265	9/20/2022	0.119773333	0.108982222	0.094808889	0.081928889	0.061666667	0.068035556	0.072484444	0.061262222
266	9/21/2022	0.135711111	0.109293333	0.089328889	0.113817778	0.088284444	0.082417778	0.089786667	0.079671111
267	9/22/2022	0.110942222	0.103217778	0.115368889	0.100844444	0.082462222	0.065657778	0.074391111	0.061013333
268	9/23/2022	0.075977778	0.072986667	0.076773333	0.056071111	0.046191111	0.037262222	0.043493333	0.04288
269	9/24/2022	0.160102222	0.128057778	0.093742222	0.106395556	0.102106667	0.09132	0.090377778	0.097586667
270	9/25/2022	0.157826667	0.145711111	0.122697778	0.079022222	0.06732	0.05892	0.064253333	0.057924444
271	9/26/2022	0.082862222	0.074213333	0.080528889	0.087208889	0.053302222	0.051346667	0.051093333	0.045448889
272	9/27/2022	0.086653333	0.067035556	0.066951111	0.050311111	0.046573333	0.043022222	0.042204444	0.036648889
273	9/28/2022	0.090622222	0.072435556	0.064057778	0.066351111	0.0614	0.05624	0.083768889	0.0944
274	9/29/2022	0.076417778	0.062991111	0.060942222	0.057902222	0.050924444	0.041351111	0.038768889	0.038448889
275	9/30/2022	0.087915556	0.071906667	0.054151111	0.05104	0.03716	0.039262222	0.039546667	0.035475556
276	10/1/2022	0.102	0.086937778	0.088546667	0.075342222	0.073906667	0.072951111	0.071884444	0.041773333
277	10/2/2022	0.110577778	0.097688889	0.095413333	0.096266667	0.081471111	0.088417778	0.092111111	0.08656
278	10/3/2022	0.082488889	0.065057778	0.053266667	0.045266667	0.033982222	0.034613333	0.042786667	0.01872
279	10/4/2022	0.063604444	0.063017778	0.062008889	0.057235556	0.038346667	0.026302222	0.032137778	0.033542222
280	10/5/2022	0.086831111	0.082284444	0.054475556	0.056373333	0.049884444	0.041702222	0.032995556	0.022297778
281	10/6/2022	0.095617778	0.096862222	0.086995556	0.093133333	0.081413333	0.069351111	0.073422222	0.069848889
282	10/7/2022	0.089062222	0.067577778	0.054888889	0.065404444	0.046604444	0.037822222	0.032551111	0.036151111
283	10/8/2022	0.131804444	0.088333333	0.093946667	0.080911111	0.090173333	0.092346667	0.079302222	0.074973333
284	10/9/2022	0.146066667	0.12332	0.106724444	0.091284444	0.074791111	0.057422222	0.046973333	0.046657778
285	10/10/2022	0.102204444	0.114982222	0.104182222	0.083382222	0.07628	0.052213333	0.051631111	0.048573333
286	10/11/2022	0.096377778	0.098662222	0.078671111	0.05968	0.063	0.045151111	0.043955556	0.041351111
287	10/12/2022	0.133168889	0.107524444	0.07568	0.100506667	0.109066667	0.093995556	0.065653333	0.053706667
288	10/13/2022	0.085733333	0.074413333	0.045533333	0.028973333	0.039195556	0.032502222	0.050311111	0.038768889
289	10/14/2022	0.077795556	0.087435556	0.073564444	0.061955556	0.049577778	0.048777778	0.045377778	0.030142222

	B	AZ	BA	BB	BC	BD	BE	BF	BG
2	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345
258	9/13/2022	0.049231111	0.038497778	0.032164444	0.03972	0.035364444	0.029008889	0.036488889	0.04508
259	9/14/2022	0.063613333	0.073777778	0.079106667	0.067342222	0.069666667	0.062017778	0.074982222	0.078364444
260	9/15/2022	0.032653333	0.033328889	0.043648889	0.043871111	0.043595556	0.039337778	0.049293333	0.051253333
261	9/16/2022	0.039906667	0.047302222	0.042195556	0.046995556	0.059342222	0.060475556	0.054102222	0.052528889
262	9/17/2022	0.069284444	0.078164444	0.081075556	0.090417778	0.096608889	0.118128889	0.127493333	0.124262222
263	9/18/2022	0.068337778	0.077013333	0.073408889	0.082737778	0.081084444	0.109231111	0.119968889	0.128644444
264	9/19/2022	0.076146667	0.063373333	0.081613333	0.088528889	0.100737778	0.130693333	0.14716	0.169928889
265	9/20/2022	0.061377778	0.059964444	0.0692	0.065813333	0.062626667	0.06344	0.077146667	0.065324444
266	9/21/2022	0.086755556	0.088964444	0.078346667	0.072062222	0.078386667	0.076604444	0.079337778	0.082404444
267	9/22/2022	0.066675556	0.053733333	0.057662222	0.038337778	0.057448889	0.054564444	0.067586667	0.053351111
268	9/23/2022	0.040608889	0.037977778	0.039168889	0.041942222	0.035337778	0.027848889	0.03908	0.035248889
269	9/24/2022	0.075217778	0.069484444	0.072266667	0.094137778	0.082071111	0.060311111	0.059426667	0.063342222
270	9/25/2022	0.057244444	0.053973333	0.053511111	0.054271111	0.051431111	0.050982222	0.045533333	0.051457778
271	9/26/2022	0.046755556	0.050173333	0.052124444	0.046764444	0.042248889	0.043013333	0.038608889	0.046115556
272	9/27/2022	0.043017778	0.055506667	0.045168889	0.028951111	0.033306667	0.034164444	0.032515556	0.034231111
273	9/28/2022	0.109777778	0.095751111	0.082871111	0.084226667	0.08348	0.062391111	0.077084444	0.065928889
274	9/29/2022	0.032764444	0.037844444	0.0464	0.052133333	0.049297778	0.058893333	0.041893333	0.03488
275	9/30/2022	0.029448889	0.024968889	0.02024	0.021133333	0.016688889	0.020773333	0.019035556	0.032355556
276	10/1/2022	0.044715556	0.046702222	0.030617778	0.035382222	0.036933333	0.040271111	0.040648889	0.034622222
277	10/2/2022	0.080466667	0.073324444	0.072711111	0.070448889	0.055471111	0.043626667	0.035066667	0.039817778
278	10/3/2022	0.028448889	0.035795556	0.04152	0.033071111	0.030751111	0.023017778	0.016977778	0.021155556
279	10/4/2022	0.035315556	0.029293333	0.027528889	0.027866667	0.015604444	0.028631111	0.02944	0.030488889
280	10/5/2022	0.025088889	0.02628	0.025764444	0.029346667	0.035102222	0.040142222	0.027551111	0.027226667
281	10/6/2022	0.047417778	0.036528889	0.042382222	0.042102222	0.034586667	0.031706667	0.045484444	0.056422222
282	10/7/2022	0.03728	0.042515556	0.052057778	0.065368889	0.069937778	0.068302222	0.06464	0.07248
283	10/8/2022	0.061946667	0.052151111	0.055195556	0.059351111	0.054031111	0.065004444	0.051613333	0.040315556
284	10/9/2022	0.060497778	0.047808889	0.041653333	0.045928889	0.039368889	0.05584	0.057191111	0.034608889
285	10/10/2022	0.042266667	0.043088889	0.044893333	0.042324444	0.034724444	0.033408889	0.032488889	0.035897778
286	10/11/2022	0.035706667	0.037395556	0.039417778	0.039897778	0.040742222	0.029475556	0.044186667	0.056653333
287	10/12/2022	0.053075556	0.038506667	0.068431111	0.062444444	0.074262222	0.053573333	0.03644	0.058675556
288	10/13/2022	0.028168889	0.020395556	0.024711111	0.022715556	0.021848889	0.022377778	0.017146667	0.027137778
289	10/14/2022	0.03096	0.039253333	0.042324444	0.036595556	0.033977778	0.035044444	0.035457778	0.037977778

	B	BH	BI	BJ	BK	BL	BM	BN	BO
2	measurement date	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545
258	9/13/2022	0.0476	0.046111111	0.062111111	0.079186667	0.080951111	0.088311111	0.081973333	0.104595556
259	9/14/2022	0.072426667	0.067448889	0.081413333	0.080862222	0.095128889	0.109831111	0.117915556	0.136466667
260	9/15/2022	0.054742222	0.047013333	0.057693333	0.052271111	0.061013333	0.073408889	0.086457778	0.097377778
261	9/16/2022	0.051315556	0.05176	0.064991111	0.061595556	0.073435556	0.083311111	0.101382222	0.118711111
262	9/17/2022	0.149093333	0.170457778	0.186928889	0.193422222	0.173648889	0.201795556	0.196951111	0.218035556
263	9/18/2022	0.141648889	0.129795556	0.118524444	0.155426667	0.142782222	0.153711111	0.17552	0.166728889
264	9/19/2022	0.224377778	0.235977778	0.207742222	0.190417778	0.206284444	0.222542222	0.252244444	0.274853333
265	9/20/2022	0.076435556	0.085528889	0.083337778	0.099426667	0.097773333	0.098884444	0.126742222	0.143955556
266	9/21/2022	0.099893333	0.113093333	0.102808889	0.112604444	0.124733333	0.157186667	0.17336	0.197142222
267	9/22/2022	0.068146667	0.061862222	0.066475556	0.069097778	0.078173333	0.076777778	0.079173333	0.080075556
268	9/23/2022	0.025844444	0.021715556	0.026177778	0.032146667	0.041817778	0.036706667	0.037115556	0.044706667
269	9/24/2022	0.046782222	0.043951111	0.053284444	0.057284444	0.060684444	0.056244444	0.075964444	0.082022222
270	9/25/2022	0.075897778	0.077128889	0.086035556	0.088928889	0.088124444	0.108528889	0.11116	0.164773333
271	9/26/2022	0.054391111	0.046573333	0.060008889	0.053946667	0.066795556	0.051337778	0.059226667	0.081688889
272	9/27/2022	0.037897778	0.036737778	0.034964444	0.041742222	0.036262222	0.047991111	0.048115556	0.057924444
273	9/28/2022	0.062724444	0.068368889	0.076293333	0.058977778	0.048271111	0.061724444	0.075604444	0.106093333
274	9/29/2022	0.039044444	0.027053333	0.036626667	0.04112	0.043986667	0.034684444	0.040502222	0.03344
275	9/30/2022	0.030871111	0.024044444	0.019528889	0.025946667	0.036266667	0.035248889	0.029546667	0.026373333
276	10/1/2022	0.027395556	0.032515556	0.039586667	0.033653333	0.027217778	0.039893333	0.043266667	0.049026667
277	10/2/2022	0.05568	0.053991111	0.05264	0.052595556	0.053622222	0.063315556	0.080177778	0.091773333
278	10/3/2022	0.022888889	0.020475556	0.021137778	0.03136	0.044128889	0.032137778	0.041991111	0.045137778
279	10/4/2022	0.0234	0.041071111	0.026897778	0.031924444	0.024653333	0.026844444	0.03636	0.048884444
280	10/5/2022	0.0332	0.036546667	0.030248889	0.019031111	0.026075556	0.027711111	0.039702222	0.039871111
281	10/6/2022	0.074435556	0.039884444	0.029608889	0.032751111	0.030888889	0.024333333	0.026844444	0.055791111
282	10/7/2022	0.063195556	0.05008	0.03664	0.041333333	0.049911111	0.049906667	0.044	0.045706667
283	10/8/2022	0.037404444	0.035666667	0.042875556	0.03964	0.036715556	0.037675556	0.044866667	0.042191111
284	10/9/2022	0.023768889	0.027386667	0.033813333	0.032008889	0.02928	0.033733333	0.036777778	0.042013333
285	10/10/2022	0.029071111	0.036431111	0.042937778	0.036657778	0.05204	0.049293333	0.045333333	0.042213333
286	10/11/2022	0.039853333	0.049377778	0.052213333	0.059164444	0.058728889	0.071426667	0.075995556	0.080373333
287	10/12/2022	0.050973333	0.044693333	0.043524444	0.05216	0.048915556	0.04192	0.059257778	0.075675556
288	10/13/2022	0.020644444	0.030013333	0.022617778	0.023413333	0.040488889	0.043013333	0.048026667	0.045555556
289	10/14/2022	0.035337778	0.024235556	0.031346667	0.028031111	0.033226667	0.046951111	0.062702222	0.070484444

	B	BP	BQ	BR	BS	BT	BU	BV	BW
2	measurement date	D_1600	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745
258	9/13/2022	0.115528889	0.113035556	0.135524444	0.141288889	0.184128889	0.176951111	0.197911111	0.216604444
259	9/14/2022	0.125884444	0.116995556	0.141026667	0.170595556	0.172266667	0.221702222	0.251991111	0.281595556
260	9/15/2022	0.113284444	0.116404444	0.132368889	0.143951111	0.177813333	0.229764444	0.296435556	0.331413333
261	9/16/2022	0.127373333	0.132702222	0.134208889	0.159071111	0.21492	0.255737778	0.31064	0.340088889
262	9/17/2022	0.239164444	0.23584	0.234951111	0.259062222	0.272048889	0.32936	0.340995556	0.351595556
263	9/18/2022	0.192373333	0.1924	0.231662222	0.263386667	0.282128889	0.323453333	0.346733333	0.38248
264	9/19/2022	0.383897778	0.367951111	0.300875556	0.304084444	0.302377778	0.311635556	0.393657778	0.454937778
265	9/20/2022	0.167457778	0.201244444	0.280471111	0.326448889	0.414133333	0.482217778	0.463768889	0.452337778
266	9/21/2022	0.216942222	0.254075556	0.266577778	0.409213333	0.42416	0.466942222	0.63296	0.584755556
267	9/22/2022	0.078502222	0.102773333	0.103586667	0.1132	0.118982222	0.154875556	0.195711111	0.223413333
268	9/23/2022	0.067982222	0.085955556	0.092031111	0.112751111	0.100355556	0.107004444	0.13472	0.162937778
269	9/24/2022	0.078666667	0.078951111	0.08448	0.085688889	0.115431111	0.149044444	0.179982222	0.180671111
270	9/25/2022	0.161066667	0.179755556	0.159324444	0.159271111	0.204284444	0.247226667	0.271622222	0.32
271	9/26/2022	0.089431111	0.077426667	0.071462222	0.07324	0.096711111	0.107937778	0.156702222	0.203666667
272	9/27/2022	0.074115556	0.081364444	0.109355556	0.101533333	0.121542222	0.137048889	0.143697778	0.144493333
273	9/28/2022	0.097742222	0.106804444	0.144084444	0.159968889	0.161671111	0.170137778	0.159315556	0.144
274	9/29/2022	0.052964444	0.063471111	0.065404444	0.078444444	0.083	0.083328889	0.09236	0.112288889
275	9/30/2022	0.035848889	0.041075556	0.065551111	0.070182222	0.070995556	0.095702222	0.111568889	0.127768889
276	10/1/2022	0.054262222	0.068511111	0.073315556	0.09128	0.091177778	0.09252	0.106684444	0.166448889
277	10/2/2022	0.09468	0.085666667	0.082613333	0.102751111	0.11888	0.138911111	0.186635556	0.20728
278	10/3/2022	0.045742222	0.064173333	0.079257778	0.091164444	0.116137778	0.116382222	0.150471111	0.179511111
279	10/4/2022	0.062786667	0.059524444	0.071706667	0.099342222	0.120111111	0.126471111	0.138937778	0.148831111
280	10/5/2022	0.040942222	0.065826667	0.074551111	0.099582222	0.133297778	0.145644444	0.150511111	0.170435556
281	10/6/2022	0.054351111	0.060222222	0.089386667	0.105613333	0.124942222	0.118302222	0.137577778	0.154124444
282	10/7/2022	0.048484444	0.075266667	0.090608889	0.093631111	0.109591111	0.101631111	0.123453333	0.152351111
283	10/8/2022	0.043471111	0.05344	0.079324444	0.100964444	0.098782222	0.102364444	0.133017778	0.119275556
284	10/9/2022	0.045417778	0.064297778	0.080017778	0.085951111	0.110568889	0.131875556	0.134924444	0.197142222
285	10/10/2022	0.046906667	0.06236	0.092888889	0.128782222	0.129604444	0.147924444	0.153768889	0.177506667
286	10/11/2022	0.082386667	0.090324444	0.098257778	0.105071111	0.123808889	0.137986667	0.181248889	0.21372
287	10/12/2022	0.127688889	0.118591111	0.092546667	0.12064	0.138893333	0.172573333	0.211	0.204613333
288	10/13/2022	0.047684444	0.07004	0.071653333	0.087351111	0.120257778	0.138693333	0.14368	0.18732
289	10/14/2022	0.067071111	0.07916	0.084351111	0.102924444	0.105595556	0.124408889	0.166177778	0.189822222

	B	BX	BY	BZ	CA	CB	CC	CD	CE
2	measurement date	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945
258	9/13/2022	0.245973333	0.262391111	0.321595556	0.3438	0.3572	0.374426667	0.405493333	0.415337778
259	9/14/2022	0.278017778	0.334666667	0.36532	0.412195556	0.419408889	0.456684444	0.458471111	0.48012
260	9/15/2022	0.379626667	0.402471111	0.431226667	0.441924444	0.470764444	0.4894	0.524195556	0.548346667
261	9/16/2022	0.368453333	0.361253333	0.406471111	0.459035556	0.479271111	0.528973333	0.538773333	0.541955556
262	9/17/2022	0.375164444	0.400995556	0.453515556	0.456995556	0.471733333	0.497475556	0.520222222	0.512391111
263	9/18/2022	0.407613333	0.458502222	0.484635556	0.496217778	0.510328889	0.557737778	0.601111111	0.6434
264	9/19/2022	0.435057778	0.466577778	0.490808889	0.508146667	0.549142222	0.592004444	0.624942222	0.628951111
265	9/20/2022	0.463977778	0.512995556	0.559057778	0.596871111	0.593262222	0.647728889	0.689613333	0.68196
266	9/21/2022	0.608946667	0.640257778	0.716924444	0.734062222	0.743075556	0.752342222	0.769471111	0.73124
267	9/22/2022	0.236115556	0.261791111	0.300724444	0.302693333	0.368626667	0.368311111	0.376151111	0.396137778
268	9/23/2022	0.186213333	0.203288889	0.242915556	0.244626667	0.283684444	0.291915556	0.319711111	0.336017778
269	9/24/2022	0.188555556	0.229031111	0.241124444	0.273142222	0.3468	0.362111111	0.389395556	0.387408889
270	9/25/2022	0.330328889	0.336048889	0.325053333	0.326173333	0.362426667	0.378346667	0.40816	0.408444444
271	9/26/2022	0.199253333	0.242653333	0.287462222	0.282102222	0.289097778	0.353306667	0.346404444	0.34584
272	9/27/2022	0.17832	0.180817778	0.188351111	0.224684444	0.265995556	0.318751111	0.348497778	0.340533333
273	9/28/2022	0.17052	0.22836	0.245084444	0.256493333	0.29576	0.333191111	0.326671111	0.343582222
274	9/29/2022	0.141631111	0.173373333	0.190413333	0.227946667	0.255208889	0.302622222	0.308804444	0.350848889
275	9/30/2022	0.158751111	0.175	0.183404444	0.214537778	0.232582222	0.240466667	0.279342222	0.315684444
276	10/1/2022	0.174488889	0.198013333	0.201644444	0.220231111	0.262942222	0.29084	0.286746667	0.30216
277	10/2/2022	0.194431111	0.232848889	0.249853333	0.278595556	0.330404444	0.34596	0.368186667	0.374955556
278	10/3/2022	0.217382222	0.233977778	0.252444444	0.280342222	0.309613333	0.3604	0.371208889	0.36928
279	10/4/2022	0.195688889	0.2286	0.220088889	0.251902222	0.2862	0.331062222	0.323684444	0.358542222
280	10/5/2022	0.202288889	0.244764444	0.247071111	0.311546667	0.322035556	0.351146667	0.379475556	0.397293333
281	10/6/2022	0.168288889	0.194333333	0.215168889	0.244231111	0.285208889	0.308862222	0.315595556	0.315262222
282	10/7/2022	0.176728889	0.205262222	0.229937778	0.259413333	0.276777778	0.318973333	0.305968889	0.309631111
283	10/8/2022	0.149902222	0.20096	0.189617778	0.22896	0.265862222	0.275222222	0.30132	0.289297778
284	10/9/2022	0.224022222	0.230475556	0.27668	0.321871111	0.338764444	0.370622222	0.36596	0.379226667
285	10/10/2022	0.193097778	0.215711111	0.230062222	0.29092	0.317942222	0.365097778	0.365386667	0.36056
286	10/11/2022	0.249035556	0.297102222	0.290102222	0.295653333	0.381546667	0.392186667	0.374684444	0.3734
287	10/12/2022	0.286862222	0.312213333	0.359924444	0.364742222	0.350084444	0.368964444	0.389142222	0.372395556
288	10/13/2022	0.213493333	0.244751111	0.263328889	0.279364444	0.303364444	0.293484444	0.298368889	0.316186667
289	10/14/2022	0.234111111	0.254306667	0.261431111	0.29324	0.320293333	0.329742222	0.352702222	0.348471111

	B	CF	CG	CH	CI	CJ	CK	CL	CM
2	measurement date	D_2000	D_2015	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145
258	9/13/2022	0.410431111	0.426266667	0.444217778	0.457213333	0.452271111	0.424075556	0.44124	0.42592
259	9/14/2022	0.472142222	0.489635556	0.483004444	0.471857778	0.481226667	0.450737778	0.450791111	0.484804444
260	9/15/2022	0.530942222	0.561884444	0.543137778	0.554368889	0.524635556	0.527977778	0.512426667	0.514608889
261	9/16/2022	0.509342222	0.513622222	0.487235556	0.50452	0.489604444	0.505222222	0.48216	0.487453333
262	9/17/2022	0.507306667	0.525791111	0.508973333	0.490822222	0.473671111	0.488253333	0.503453333	0.512302222
263	9/18/2022	0.606404444	0.614506667	0.633942222	0.643084444	0.636088889	0.600728889	0.598471111	0.610675556
264	9/19/2022	0.5964	0.593262222	0.62224	0.607226667	0.622755556	0.6032	0.56088	0.575213333
265	9/20/2022	0.653746667	0.653537778	0.691022222	0.671497778	0.663182222	0.639831111	0.622653333	0.601568889
266	9/21/2022	0.749915556	0.717973333	0.735777778	0.686617778	0.681093333	0.656955556	0.629	0.638186667
267	9/22/2022	0.383008889	0.442564444	0.43748	0.44148	0.41816	0.403737778	0.405195556	0.377342222
268	9/23/2022	0.327635556	0.323475556	0.338848889	0.336755556	0.307577778	0.29548	0.292022222	0.323711111
269	9/24/2022	0.365693333	0.38612	0.389653333	0.370666667	0.362755556	0.374191111	0.385808889	0.404355556
270	9/25/2022	0.423684444	0.434146667	0.41104	0.42768	0.458484444	0.418293333	0.391248889	0.3896
271	9/26/2022	0.378431111	0.388173333	0.406933333	0.395902222	0.376848889	0.37456	0.38236	0.39236
272	9/27/2022	0.336248889	0.339831111	0.335955556	0.331995556	0.343057778	0.357391111	0.346555556	0.34472
273	9/28/2022	0.346675556	0.333568889	0.363306667	0.348817778	0.342173333	0.345857778	0.352862222	0.330177778
274	9/29/2022	0.352728889	0.349937778	0.361217778	0.354697778	0.341595556	0.346862222	0.351951111	0.361524444
275	9/30/2022	0.302128889	0.320728889	0.316533333	0.309044444	0.289102222	0.298848889	0.29952	0.295751111
276	10/1/2022	0.306742222	0.329337778	0.305546667	0.285737778	0.275515556	0.289284444	0.289182222	0.303164444
277	10/2/2022	0.419635556	0.428413333	0.403208889	0.390831111	0.377124444	0.356648889	0.364217778	0.362111111
278	10/3/2022	0.362408889	0.38188	0.379982222	0.37608	0.370248889	0.337688889	0.344555556	0.329364444
279	10/4/2022	0.385426667	0.363324444	0.358937778	0.36284	0.388893333	0.381066667	0.349497778	0.306711111
280	10/5/2022	0.383164444	0.382835556	0.391262222	0.424026667	0.401346667	0.408506667	0.399506667	0.34872
281	10/6/2022	0.321262222	0.356173333	0.352746667	0.378022222	0.348506667	0.337311111	0.364813333	0.361471111
282	10/7/2022	0.348471111	0.325986667	0.303826667	0.290942222	0.294617778	0.301693333	0.315715556	0.305008889
283	10/8/2022	0.311471111	0.311715556	0.299773333	0.308124444	0.321866667	0.330093333	0.316768889	0.328044444
284	10/9/2022	0.377684444	0.399986667	0.379853333	0.37012	0.351328889	0.323093333	0.296435556	0.309622222
285	10/10/2022	0.357168889	0.368768889	0.384604444	0.360857778	0.381711111	0.385768889	0.360324444	0.333773333
286	10/11/2022	0.361484444	0.361204444	0.358853333	0.349484444	0.334782222	0.33044	0.309142222	0.299266667
287	10/12/2022	0.387453333	0.365888889	0.374404444	0.370986667	0.381204444	0.363942222	0.337844444	0.315622222
288	10/13/2022	0.334222222	0.322893333	0.321151111	0.292528889	0.297368889	0.301168889	0.287151111	0.280977778
289	10/14/2022	0.343097778	0.345111111	0.364586667	0.339804444	0.32824	0.312173333	0.321324444	0.306053333

	B	CN	CO	CP	CQ	CR	CS	CT	CU
2	measurement date	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345
258	9/13/2022	0.416391111	0.428462222	0.399573333	0.365786667	0.356346667	0.340333333	0.32524	0.308786667
259	9/14/2022	0.460977778	0.438137778	0.424595556	0.384515556	0.392968889	0.357111111	0.34096	0.329688889
260	9/15/2022	0.524471111	0.495711111	0.475404444	0.447857778	0.43516	0.419306667	0.390582222	0.370342222
261	9/16/2022	0.49568	0.493928889	0.478546667	0.459653333	0.434204444	0.432688889	0.419137778	0.412666667
262	9/17/2022	0.494617778	0.475408889	0.441613333	0.443195556	0.449364444	0.412026667	0.390817778	0.36816
263	9/18/2022	0.565986667	0.540048889	0.529991111	0.526413333	0.501657778	0.475537778	0.459622222	0.415515556
264	9/19/2022	0.558351111	0.532035556	0.520866667	0.50416	0.49656	0.472075556	0.443057778	0.4304
265	9/20/2022	0.592946667	0.566013333	0.558413333	0.559782222	0.515848889	0.496631111	0.499986667	0.465706667
266	9/21/2022	0.609422222	0.612204444	0.589662222	0.551862222	0.492737778	0.502364444	0.489671111	0.456422222
267	9/22/2022	0.385217778	0.350488889	0.3332	0.336608889	0.326213333	0.303288889	0.269751111	0.264568889
268	9/23/2022	0.315222222	0.312795556	0.295435556	0.293053333	0.282377778	0.289457778	0.259155556	0.267422222
269	9/24/2022	0.396484444	0.375271111	0.363755556	0.360906667	0.3568	0.358488889	0.334906667	0.324751111
270	9/25/2022	0.376817778	0.349631111	0.325875556	0.325884444	0.302466667	0.311022222	0.296346667	0.280017778
271	9/26/2022	0.347635556	0.329417778	0.312897778	0.321511111	0.316333333	0.302666667	0.276231111	0.25536
272	9/27/2022	0.345804444	0.336271111	0.309373333	0.290991111	0.281733333	0.267182222	0.262795556	0.232702222
273	9/28/2022	0.308977778	0.315595556	0.318946667	0.305933333	0.292773333	0.274306667	0.251422222	0.237217778
274	9/29/2022	0.340777778	0.337097778	0.328204444	0.319142222	0.308862222	0.288515556	0.276862222	0.263213333
275	9/30/2022	0.300248889	0.283386667	0.28444	0.272897778	0.278862222	0.265853333	0.247333333	0.238671111
276	10/1/2022	0.275035556	0.287017778	0.303466667	0.289533333	0.291528889	0.279213333	0.27188	0.278351111
277	10/2/2022	0.362377778	0.362311111	0.330182222	0.317875556	0.301586667	0.29528	0.279008889	0.245337778
278	10/3/2022	0.339071111	0.310355556	0.280773333	0.299577778	0.291031111	0.267897778	0.25828	0.243102222
279	10/4/2022	0.322106667	0.316026667	0.299813333	0.303417778	0.281315556	0.271102222	0.255333333	0.238462222
280	10/5/2022	0.346582222	0.337604444	0.347977778	0.330333333	0.293	0.282924444	0.272857778	0.249115556
281	10/6/2022	0.344595556	0.338231111	0.330511111	0.349835556	0.32248	0.296253333	0.305986667	0.285008889
282	10/7/2022	0.290266667	0.299093333	0.300595556	0.282017778	0.300591111	0.290577778	0.271471111	0.264866667
283	10/8/2022	0.313466667	0.32276	0.304662222	0.279342222	0.283657778	0.279737778	0.298977778	0.292648889
284	10/9/2022	0.332106667	0.347017778	0.319062222	0.312217778	0.289631111	0.302066667	0.272791111	0.258982222
285	10/10/2022	0.328946667	0.30664	0.299906667	0.308124444	0.299577778	0.262395556	0.244511111	0.241
286	10/11/2022	0.330933333	0.304791111	0.303857778	0.327022222	0.301093333	0.260751111	0.242022222	0.249893333
287	10/12/2022	0.335915556	0.335573333	0.31972	0.297786667	0.283568889	0.280791111	0.285173333	0.293017778
288	10/13/2022	0.295293333	0.297284444	0.295911111	0.255648889	0.25564	0.275382222	0.263213333	0.241342222
289	10/14/2022	0.293666667	0.323591111	0.289951111	0.266684444	0.271715556	0.249786667	0.248426667	0.252964444

	B	CV	CW	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB
2	measurement date	D_2400		1	2	3	4	5	6	7	8	9	10	11	12
258	9/13/2022	0.300946667	0.42	1.10	1.05	0.93	0.89	0.86	0.87	1.06	1.02	0.72	0.43	0.32	0.20
259	9/14/2022	0.298955556	0.48	1.13	1.05	1.00	0.90	0.87	0.90	1.07	1.04	0.63	0.39	0.29	0.24
260	9/15/2022	0.36436	0.55	1.17	1.09	0.99	0.89	0.86	0.89	1.04	0.98	0.59	0.37	0.25	0.13
261	9/16/2022	0.383066667	0.54	1.31	1.15	1.04	0.94	0.91	0.94	1.06	1.04	0.74	0.45	0.28	0.15
262	9/17/2022	0.36208	0.52	1.37	1.30	1.20	1.11	1.01	0.95	1.00	1.01	0.75	0.55	0.45	0.30
263	9/18/2022	0.386595556	0.64	1.36	1.19	1.14	0.99	0.93	0.89	0.91	0.95	0.86	0.63	0.43	0.27
264	9/19/2022	0.430613333	0.63	1.51	1.39	1.26	1.12	1.07	1.06	1.27	1.27	0.95	0.63	0.42	0.27
265	9/20/2022	0.427422222	0.69	1.55	1.39	1.25	1.08	1.03	1.05	1.15	1.16	0.81	0.53	0.35	0.26
266	9/21/2022	0.461813333	0.77	1.58	1.38	1.24	1.13	1.09	1.10	1.29	1.28	0.94	0.59	0.40	0.34
267	9/22/2022	0.260942222	0.40	1.71	1.54	1.43	1.35	1.27	1.31	1.31	1.30	0.92	0.56	0.40	0.27
268	9/23/2022	0.259626667	0.34	0.98	0.87	0.86	0.87	0.85	0.84	0.99	1.02	0.71	0.42	0.25	0.16
269	9/24/2022	0.304777778	0.39	0.99	0.89	0.89	0.83	0.80	0.84	0.84	0.94	0.81	0.72	0.43	0.35
270	9/25/2022	0.268875556	0.42	1.14	0.94	0.93	0.84	0.85	0.84	0.86	0.97	0.99	0.83	0.41	0.24
271	9/26/2022	0.256364444	0.38	0.97	0.87	0.86	0.83	0.86	0.92	1.04	1.02	0.73	0.45	0.30	0.19
272	9/27/2022	0.22688	0.35	1.01	0.86	0.81	0.75	0.81	0.91	1.09	1.05	0.66	0.43	0.23	0.16
273	9/28/2022	0.225044444	0.35	0.87	0.84	0.78	0.78	0.78	0.91	1.06	1.09	0.80	0.46	0.26	0.34
274	9/29/2022	0.266266667	0.35	0.94	0.89	0.86	0.85	0.81	0.89	1.15	1.18	0.80	0.42	0.23	0.15
275	9/30/2022	0.228773333	0.32	0.97	0.86	0.81	0.83	0.79	0.90	1.09	1.01	0.75	0.38	0.21	0.14
276	10/1/2022	0.271026667		0.89	0.80	0.77	0.75	0.77	0.79	0.81	0.92	0.70	0.50	0.32	0.23
277	10/2/2022	0.220542222	0.862444444	0.99	0.91	0.81	0.78	0.78	0.79	0.84	0.96	0.82	0.52	0.37	0.35
278	10/3/2022	0.244728889		0.88	0.82	0.79	0.79	0.77	0.80	0.97	1.07	0.76	0.41	0.20	0.12
279	10/4/2022	0.214351111		0.87	0.80	0.81	0.82	0.81	0.90	1.14	1.12	0.76	0.40	0.22	0.13
280	10/5/2022	0.238244444		0.87	0.82	0.78	0.76	0.79	0.84	1.05	1.15	0.74	0.47	0.24	0.12
281	10/6/2022	0.276275556		0.96	0.88	0.81	0.80	0.80	0.82	0.97	1.14	0.86	0.53	0.36	0.26
282	10/7/2022	0.265155556		0.96	0.87	0.82	0.82	0.80	0.81	0.93	1.00	0.73	0.50	0.23	0.14
283	10/8/2022	0.270146667		0.98	0.86	0.90	0.84	0.83	0.87	0.93	1.17	1.06	0.62	0.35	0.31
284	10/9/2022	0.248688889		1.08	1.06	0.98	0.94	0.98	1.01	1.00	1.19	1.10	0.70	0.40	0.21
285	10/10/2022	0.224706667		0.98	0.92	0.88	0.85	0.91	0.99	1.15	1.19	0.99	0.53	0.38	0.19
286	10/11/2022	0.254453333		0.89	0.86	0.83	0.83	0.79	0.89	1.00	1.04	0.83	0.54	0.30	0.17
287	10/12/2022	0.270426667		0.88	0.87	0.82	0.78	0.79	0.83	0.98	1.04	0.83	0.64	0.39	0.27
288	10/13/2022	0.235351111		0.95	0.87	0.81	0.79	0.78	0.84	0.97	0.96	0.87	0.44	0.19	0.15
289	10/14/2022	0.237946667		0.94	0.92	0.86	0.86	0.94	1.00	1.15	1.23	0.96	0.49	0.27	0.16

	B	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
2	measurement date	13	14	15	16	17	18	19	20	21	22	23	24
258	9/13/2022	0.15	0.16	0.27	0.39	0.57	0.84	1.28	1.61	1.78	1.71	1.55	1.28
259	9/14/2022	0.29	0.29	0.32	0.49	0.60	1.03	1.53	1.87	1.93	1.85	1.64	1.33
260	9/15/2022	0.16	0.19	0.22	0.37	0.57	1.24	1.75	2.09	2.18	2.08	1.85	1.54
261	9/16/2022	0.20	0.22	0.25	0.43	0.64	1.27	1.71	2.12	1.99	1.97	1.87	1.65
262	9/17/2022	0.35	0.52	0.72	0.86	1.00	1.40	1.78	2.04	2.00	2.00	1.81	1.53
263	9/18/2022	0.31	0.50	0.55	0.69	0.97	1.46	1.95	2.41	2.53	2.38	2.10	1.74
264	9/19/2022	0.33	0.67	0.84	1.13	1.28	1.60	2.01	2.44	2.45	2.30	2.05	1.78
265	9/20/2022	0.26	0.28	0.37	0.54	1.22	1.86	2.26	2.67	2.68	2.46	2.20	1.89
266	9/21/2022	0.32	0.34	0.45	0.74	1.35	2.29	2.83	3.00	2.82	2.53	2.25	1.91
267	9/22/2022	0.21	0.24	0.28	0.31	0.44	0.81	1.23	1.52	1.74	1.57	1.35	1.10
268	9/23/2022	0.15	0.13	0.12	0.19	0.39	0.59	0.97	1.28	1.31	1.23	1.18	1.08
269	9/24/2022	0.32	0.23	0.22	0.29	0.36	0.70	1.09	1.50	1.51	1.56	1.46	1.32
270	9/25/2022	0.21	0.22	0.34	0.55	0.70	1.17	1.35	1.62	1.73	1.58	1.30	1.16
271	9/26/2022	0.19	0.18	0.23	0.28	0.32	0.67	1.10	1.42	1.57	1.50	1.28	1.09
272	9/27/2022	0.16	0.14	0.15	0.23	0.41	0.60	0.86	1.34	1.35	1.39	1.22	0.99
273	9/28/2022	0.35	0.27	0.25	0.34	0.57	0.64	1.03	1.35	1.39	1.34	1.23	0.99
274	9/29/2022	0.19	0.17	0.15	0.16	0.29	0.43	0.85	1.32	1.41	1.40	1.29	1.09
275	9/30/2022	0.08	0.10	0.11	0.13	0.25	0.49	0.81	1.14	1.24	1.19	1.12	0.98
276	10/1/2022	0.15	0.14	0.13	0.19	0.32	0.54	0.88	1.19	1.20	1.16	1.17	1.10
277	10/2/2022	0.27	0.17	0.21	0.33	0.39	0.73	1.09	1.51	1.60	1.45	1.31	1.04
278	10/3/2022	0.14	0.08	0.12	0.17	0.35	0.66	1.08	1.46	1.51	1.35	1.18	1.01
279	10/4/2022	0.10	0.11	0.12	0.17	0.35	0.61	0.99	1.40	1.47	1.36	1.20	0.98
280	10/5/2022	0.12	0.13	0.11	0.15	0.37	0.67	1.13	1.51	1.60	1.50	1.31	1.04
281	10/6/2022	0.16	0.21	0.13	0.16	0.38	0.58	0.94	1.26	1.44	1.41	1.34	1.16
282	10/7/2022	0.23	0.27	0.18	0.19	0.37	0.55	0.97	1.28	1.22	1.21	1.18	1.09
283	10/8/2022	0.22	0.19	0.15	0.17	0.33	0.50	0.89	1.18	1.24	1.29	1.19	1.14
284	10/9/2022	0.17	0.17	0.12	0.16	0.34	0.69	1.17	1.49	1.50	1.26	1.27	1.08
285	10/10/2022	0.17	0.13	0.17	0.18	0.41	0.67	1.05	1.45	1.50	1.41	1.21	0.97
286	10/11/2022	0.16	0.17	0.22	0.31	0.42	0.78	1.26	1.50	1.40	1.27	1.24	1.01
287	10/12/2022	0.24	0.20	0.19	0.30	0.47	0.88	1.39	1.52	1.49	1.35	1.24	1.13
288	10/13/2022	0.09	0.09	0.12	0.18	0.35	0.68	1.09	1.24	1.23	1.16	1.10	1.02
289	10/14/2022	0.15	0.14	0.12	0.25	0.37	0.71	1.13	1.37	1.38	1.23	1.15	0.99

	B	C	D	E	F	G	H	I	J	K
2	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145
290	10/15/2022	10	6	0.266515556	0.240893333	0.229737778	0.204968889	0.206737778	0.205808889	0.20532
291	10/16/2022	10	7	0.242324444	0.228226667	0.227324444	0.224395556	0.222813333	0.200991111	0.202008889
292	10/17/2022	10	1	0.221702222	0.213773333	0.212213333	0.204844444	0.2042	0.197431111	0.207791111
293	10/18/2022	10	2	0.304626667	0.297146667	0.2944	0.290688889	0.281746667	0.291124444	0.295835556
294	10/19/2022	10	3	0.334848889	0.327728889	0.315008889	0.308462222	0.311182222	0.320337778	0.314351111
295	10/20/2022	10	4	0.312266667	0.307208889	0.311182222	0.303946667	0.311	0.308782222	0.312835556
296	10/21/2022	10	5	0.300262222	0.302902222	0.302222222	0.278831111	0.282382222	0.291884444	0.302622222
297	10/22/2022	10	6	0.243551111	0.25528	0.242324444	0.234026667	0.247288889	0.230555556	0.22704
298	10/23/2022	10	7	0.237151111	0.232608889	0.236608889	0.224733333	0.226942222	0.218164444	0.211915556
299	10/24/2022	10	1	0.237426667	0.22724	0.224191111	0.217231111	0.22352	0.217351111	0.205022222
300	10/25/2022	10	2	0.240906667	0.238782222	0.220057778	0.220808889	0.223893333	0.201951111	0.206213333
301	10/26/2022	10	3	0.256711111	0.244368889	0.231737778	0.224751111	0.213724444	0.218302222	0.211413333
302	10/27/2022	10	4	0.246866667	0.24972	0.256177778	0.246755556	0.249591111	0.251115556	0.2482
303	10/28/2022	10	5	0.282084444	0.254297778	0.265768889	0.253217778	0.269235556	0.253333333	0.264915556
304	10/29/2022	10	6	0.254866667	0.253991111	0.243533333	0.236484444	0.236431111	0.228875556	0.219591111
305	10/30/2022	10	7	0.290026667	0.265306667	0.270582222	0.254484444	0.24976	0.236346667	0.236555556
306	10/31/2022	10	1	0.224377778	0.222835556	0.210995556	0.202502222	0.202111111	0.195368889	0.213062222
307	11/1/2022	11	2	0.218328889	0.240462222	0.224186667	0.218577778	0.203475556	0.201062222	0.204511111
308	11/2/2022	11	3	0.225706667	0.226111111	0.232035556	0.234013333	0.243191111	0.224888889	0.230408889
309	11/3/2022	11	4	0.227453333	0.222435556	0.212111111	0.207195556	0.209288889	0.205315556	0.204826667
310	11/4/2022	11	5	0.252688889	0.233555556	0.223013333	0.21916	0.226924444	0.226057778	0.219093333
311	11/5/2022	11	6	0.25304	0.236151111	0.23872	0.228102222	0.218151111	0.209093333	0.232524444
312	11/6/2022	11	7	0.259284444	0.254235556	0.237902222	0.242444444	0.442271111	0.420813333	0.436297778
313	11/7/2022	11	1	0.246093333	0.231448889	0.228346667	0.223662222	0.223635556	0.205577778	0.213475556
314	11/8/2022	11	2	0.259506667	0.252293333	0.271986667	0.254897778	0.225982222	0.216315556	0.230137778
315	11/9/2022	11	3	0.258817778	0.258275556	0.254071111	0.235226667	0.235546667	0.250844444	0.234266667
316	11/10/2022	11	4	0.257662222	0.256266667	0.248746667	0.241213333	0.237613333	0.240671111	0.233102222
317	11/11/2022	11	5	0.230226667	0.233128889	0.221977778	0.227626667	0.2236	0.218991111	0.205728889
318	11/12/2022	11	6	0.299168889	0.271604444	0.289248889	0.262973333	0.267831111	0.254728889	0.243293333
319	11/13/2022	11	7	0.376857778	0.354262222	0.368697778	0.359946667	0.355351111	0.356737778	0.342502222
320	11/14/2022	11	1	0.356804444	0.353991111	0.344817778	0.338382222	0.331062222	0.344204444	0.349968889
321	11/15/2022	11	2	0.36436	0.355791111	0.324933333	0.357986667	0.360506667	0.322893333	0.313928889

	B	L	M	N	O	P	Q	R	S
2	measurement date	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330	D_0345
290	10/15/2022	0.205933333	0.196728889	0.205582222	0.221355556	0.198911111	0.197817778	0.205151111	0.206822222
291	10/16/2022	0.216955556	0.208404444	0.209657778	0.199897778	0.196488889	0.190715556	0.211804444	0.188497778
292	10/17/2022	0.210991111	0.206337778	0.205031111	0.187871111	0.20296	0.207986667	0.193448889	0.194373333
293	10/18/2022	0.296582222	0.309675556	0.302071111	0.2734	0.295008889	0.281648889	0.271755556	0.278724444
294	10/19/2022	0.311902222	0.304706667	0.318751111	0.296915556	0.301871111	0.282848889	0.299497778	0.287413333
295	10/20/2022	0.317311111	0.309768889	0.310737778	0.296657778	0.305088889	0.296391111	0.299182222	0.316755556
296	10/21/2022	0.301995556	0.314155556	0.265066667	0.28476	0.284715556	0.289764444	0.292115556	0.279186667
297	10/22/2022	0.234471111	0.224897778	0.225795556	0.225462222	0.20248	0.222302222	0.220217778	0.210075556
298	10/23/2022	0.222911111	0.215137778	0.201488889	0.199902222	0.173995556	0.189333333	0.185573333	0.190284444
299	10/24/2022	0.206035556	0.217826667	0.207617778	0.206666667	0.198497778	0.193626667	0.18368	0.20276
300	10/25/2022	0.20836	0.214506667	0.195693333	0.203853333	0.201715556	0.190795556	0.188875556	0.186168889
301	10/26/2022	0.204915556	0.200697778	0.198764444	0.202431111	0.200453333	0.190897778	0.195106667	0.199453333
302	10/27/2022	0.255773333	0.247084444	0.250431111	0.236231111	0.244626667	0.249137778	0.238555556	0.257786667
303	10/28/2022	0.282048889	0.270408889	0.281386667	0.259475556	0.237124444	0.262804444	0.25568	0.240244444
304	10/29/2022	0.218568889	0.223626667	0.21984	0.227768889	0.210853333	0.218133333	0.246613333	0.265844444
305	10/30/2022	0.251808889	0.241004444	0.215902222	0.231271111	0.229915556	0.237373333	0.228537778	0.234991111
306	10/31/2022	0.191888889	0.194222222	0.196302222	0.197257778	0.190168889	0.191791111	0.187608889	0.178302222
307	11/1/2022	0.20264	0.189031111	0.200777778	0.200888889	0.201724444	0.209968889	0.20264	0.195875556
308	11/2/2022	0.243044444	0.241311111	0.214542222	0.217586667	0.214177778	0.231266667	0.213244444	0.203324444
309	11/3/2022	0.210306667	0.20996	0.217368889	0.205737778	0.204977778	0.199453333	0.220506667	0.212217778
310	11/4/2022	0.212928889	0.20796	0.215631111	0.223431111	0.216328889	0.204973333	0.193911111	0.196466667
311	11/5/2022	0.222706667	0.218671111	0.215302222	0.216591111	0.217431111	0.212924444	0.226733333	0.223302222
312	11/6/2022	0.416728889	0.203364444	0.218275556	0.209533333	0.19344	0.193924444	0.178124444	0.185337778
313	11/7/2022	0.204897778	0.201502222	0.197755556	0.197302222	0.193831111	0.19672	0.211524444	0.202497778
314	11/8/2022	0.229328889	0.229155556	0.229031111	0.211617778	0.214817778	0.222115556	0.210035556	0.221466667
315	11/9/2022	0.250173333	0.247626667	0.234044444	0.242737778	0.232973333	0.265093333	0.261977778	0.248497778
316	11/10/2022	0.225631111	0.230631111	0.232413333	0.224617778	0.217	0.213	0.205293333	0.227533333
317	11/11/2022	0.204528889	0.205773333	0.221857778	0.209857778	0.208937778	0.202746667	0.1856	0.188008889
318	11/12/2022	0.256457778	0.250426667	0.260773333	0.241391111	0.25396	0.248395556	0.246288889	0.276275556
319	11/13/2022	0.339342222	0.362031111	0.333453333	0.367133333	0.353191111	0.333968889	0.373528889	0.345302222
320	11/14/2022	0.362546667	0.348262222	0.349284444	0.332848889	0.343235556	0.325044444	0.327257778	0.332
321	11/15/2022	0.333866667	0.31432	0.347013333	0.337777778	0.340497778	0.329955556	0.323822222	0.325333333

	B	T	U	V	W	X	Y	Z	AA
2	measurement date	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545
290	10/15/2022	0.19432	0.211422222	0.195244444	0.180631111	0.188875556	0.19648	0.206035556	0.209133333
291	10/16/2022	0.203973333	0.207702222	0.213893333	0.213404444	0.203417778	0.196764444	0.215115556	0.218048889
292	10/17/2022	0.203857778	0.202355556	0.198422222	0.198422222	0.212831111	0.20432	0.228715556	0.220591111
293	10/18/2022	0.263142222	0.293395556	0.277328889	0.284817778	0.283444444	0.297066667	0.300311111	0.328448889
294	10/19/2022	0.298266667	0.304	0.301417778	0.304333333	0.333364444	0.33232	0.336968889	0.358391111
295	10/20/2022	0.303137778	0.310595556	0.287866667	0.325542222	0.31592	0.345884444	0.348951111	0.361511111
296	10/21/2022	0.287008889	0.283755556	0.289155556	0.279448889	0.311435556	0.31484	0.307008889	0.330204444
297	10/22/2022	0.23564	0.214253333	0.22092	0.228986667	0.234168889	0.215777778	0.2228	0.22084
298	10/23/2022	0.187244444	0.189706667	0.17368	0.178062222	0.173635556	0.174737778	0.187613333	0.200951111
299	10/24/2022	0.182151111	0.17708	0.178591111	0.191422222	0.223493333	0.203417778	0.202795556	0.212995556
300	10/25/2022	0.186097778	0.183746667	0.182404444	0.185733333	0.206217778	0.209986667	0.210902222	0.206391111
301	10/26/2022	0.196177778	0.19048	0.187475556	0.191382222	0.184991111	0.192066667	0.204813333	0.221533333
302	10/27/2022	0.271831111	0.256697778	0.245133333	0.275124444	0.305204444	0.274893333	0.284591111	0.320573333
303	10/28/2022	0.259826667	0.278053333	0.26016	0.262315556	0.263102222	0.282484444	0.290853333	0.314635556
304	10/29/2022	0.244106667	0.254102222	0.241871111	0.23596	0.242853333	0.238866667	0.256462222	0.243444444
305	10/30/2022	0.23072	0.237213333	0.233311111	0.234417778	0.246386667	0.230204444	0.235564444	0.22928
306	10/31/2022	0.183231111	0.183511111	0.17716	0.184817778	0.205817778	0.198253333	0.219097778	0.2194
307	11/1/2022	0.191248889	0.20004	0.209413333	0.192168889	0.19368	0.207137778	0.213275556	0.237408889
308	11/2/2022	0.190186667	0.205475556	0.229862222	0.201422222	0.223986667	0.231537778	0.243986667	0.268115556
309	11/3/2022	0.208951111	0.239991111	0.240831111	0.215875556	0.222031111	0.22456	0.227075556	0.238311111
310	11/4/2022	0.195395556	0.193142222	0.212773333	0.200737778	0.224368889	0.200573333	0.226186667	0.232062222
311	11/5/2022	0.210617778	0.204488889	0.207568889	0.19692	0.20144	0.194053333	0.208404444	0.200422222
312	11/6/2022	0.193066667	0.204537778	0.205351111	0.175977778	0.187177778	0.189075556	0.190284444	0.205813333
313	11/7/2022	0.209546667	0.217355556	0.200026667	0.207177778	0.211942222	0.227102222	0.217551111	0.239995556
314	11/8/2022	0.230017778	0.228768889	0.229542222	0.226457778	0.223013333	0.221444444	0.254671111	0.278088889
315	11/9/2022	0.25672	0.255	0.242711111	0.269884444	0.273924444	0.291808889	0.30488	0.325244444
316	11/10/2022	0.225604444	0.232475556	0.227688889	0.238791111	0.236511111	0.226106667	0.229506667	0.257493333
317	11/11/2022	0.191253333	0.191311111	0.2064	0.195822222	0.189346667	0.20132	0.195857778	0.218982222
318	11/12/2022	0.25668	0.255426667	0.280422222	0.245671111	0.258417778	0.286804444	0.292751111	0.287488889
319	11/13/2022	0.308742222	0.343608889	0.345862222	0.355302222	0.352537778	0.348	0.373133333	0.379671111
320	11/14/2022	0.335857778	0.336057778	0.3416	0.328502222	0.363142222	0.359271111	0.381964444	0.403626667
321	11/15/2022	0.328475556	0.316915556	0.334177778	0.324662222	0.330608889	0.34304	0.359564444	0.430924444

	B	AB	AC	AD	AE	AF	AG	AH	AI
2	measurement date	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730	D_0745
290	10/15/2022	0.217457778	0.21272	0.206782222	0.215542222	0.222791111	0.231786667	0.2274	0.239115556
291	10/16/2022	0.235724444	0.241066667	0.239404444	0.230666667	0.252715556	0.249951111	0.271791111	0.273511111
292	10/17/2022	0.229075556	0.257733333	0.284235556	0.294031111	0.32032	0.343831111	0.320422222	0.304702222
293	10/18/2022	0.351768889	0.369177778	0.401297778	0.402182222	0.454173333	0.399231111	0.381324444	0.386653333
294	10/19/2022	0.346675556	0.387351111	0.43324	0.420328889	0.428342222	0.416315556	0.400986667	0.392568889
295	10/20/2022	0.358973333	0.408511111	0.404466667	0.402564444	0.412871111	0.406048889	0.412728889	0.401524444
296	10/21/2022	0.34936	0.384288889	0.385675556	0.390115556	0.3934	0.381808889	0.383048889	0.414653333
297	10/22/2022	0.232173333	0.229546667	0.223871111	0.241902222	0.261475556	0.2686	0.297835556	0.299693333
298	10/23/2022	0.183057778	0.185195556	0.187102222	0.196106667	0.208751111	0.231533333	0.214635556	0.2172
299	10/24/2022	0.247893333	0.245551111	0.25112	0.26228	0.292826667	0.285733333	0.253044444	0.265968889
300	10/25/2022	0.219648889	0.238986667	0.257795556	0.261915556	0.276857778	0.26264	0.244328889	0.280595556
301	10/26/2022	0.213151111	0.2398	0.243671111	0.261635556	0.285657778	0.256991111	0.25992	0.272515556
302	10/27/2022	0.339031111	0.337977778	0.335417778	0.356226667	0.35916	0.382213333	0.363377778	0.371995556
303	10/28/2022	0.312555556	0.318328889	0.333791111	0.349262222	0.368871111	0.416462222	0.39684	0.343848889
304	10/29/2022	0.254822222	0.277942222	0.260537778	0.269933333	0.270702222	0.293417778	0.288817778	0.324244444
305	10/30/2022	0.261733333	0.250977778	0.247368889	0.268822222	0.261933333	0.292586667	0.280857778	0.295466667
306	10/31/2022	0.218933333	0.260515556	0.2736	0.280044444	0.292768889	0.27472	0.279764444	0.26944
307	11/1/2022	0.220062222	0.24448	0.242764444	0.283448889	0.272644444	0.259808889	0.259848889	0.262062222
308	11/2/2022	0.253288889	0.272955556	0.265764444	0.298382222	0.328928889	0.301991111	0.287253333	0.301648889
309	11/3/2022	0.249915556	0.280666667	0.28144	0.316902222	0.326791111	0.294422222	0.289906667	0.291462222
310	11/4/2022	0.24964	0.243253333	0.265293333	0.306813333	0.345377778	0.303417778	0.286182222	0.288408889
311	11/5/2022	0.191173333	0.189764444	0.193715556	0.213088889	0.206746667	0.223426667	0.22536	0.230577778
312	11/6/2022	0.194968889	0.20816	0.231226667	0.226595556	0.214324444	0.227217778	0.262702222	0.2504
313	11/7/2022	0.257071111	0.255013333	0.272444444	0.296862222	0.287124444	0.291751111	0.273515556	0.252915556
314	11/8/2022	0.314586667	0.296808889	0.289786667	0.339093333	0.351524444	0.330124444	0.321133333	0.289057778
315	11/9/2022	0.344804444	0.330875556	0.359733333	0.372457778	0.355773333	0.38628	0.371697778	0.307426667
316	11/10/2022	0.259777778	0.312168889	0.313671111	0.335435556	0.335306667	0.35336	0.339573333	0.268435556
317	11/11/2022	0.22144	0.232328889	0.260262222	0.258008889	0.266666667	0.305284444	0.276724444	0.300164444
318	11/12/2022	0.276773333	0.283666667	0.305888889	0.317253333	0.31772	0.344875556	0.343533333	0.364008889
319	11/13/2022	0.372866667	0.388426667	0.36648	0.363133333	0.359795556	0.376488889	0.379813333	0.431604444
320	11/14/2022	0.417262222	0.424022222	0.442973333	0.455568889	0.490013333	0.468982222	0.446866667	0.472728889
321	11/15/2022	0.412866667	0.439008889	0.453475556	0.410204444	0.455244444	0.42448	0.42688	0.399542222

	B	AJ	AK	AL	AM	AN	AO	AP	AQ
2	measurement date	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945
290	10/15/2022	0.251346667	0.252382222	0.2266	0.199862222	0.216248889	0.151964444	0.142448889	0.140426667
291	10/16/2022	0.291186667	0.310311111	0.268337778	0.200311111	0.215973333	0.194217778	0.173017778	0.137213333
292	10/17/2022	0.297035556	0.28656	0.2642	0.244808889	0.207524444	0.155915556	0.134342222	0.134666667
293	10/18/2022	0.394053333	0.384484444	0.352622222	0.347231111	0.338262222	0.308906667	0.300346667	0.303995556
294	10/19/2022	0.393071111	0.380111111	0.369182222	0.273084444	0.252942222	0.23976	0.238182222	0.1866
295	10/20/2022	0.398591111	0.355742222	0.35492	0.293328889	0.264533333	0.24468	0.180782222	0.165124444
296	10/21/2022	0.389564444	0.382902222	0.35708	0.332977778	0.285697778	0.223888889	0.166924444	0.163777778
297	10/22/2022	0.286875556	0.294742222	0.265484444	0.254097778	0.218071111	0.156244444	0.117928889	0.113946667
298	10/23/2022	0.242577778	0.243204444	0.237213333	0.235008889	0.204271111	0.193115556	0.174257778	0.096377778
299	10/24/2022	0.26068	0.244586667	0.217493333	0.187355556	0.163115556	0.139973333	0.134102222	0.105057778
300	10/25/2022	0.261848889	0.249711111	0.243795556	0.206826667	0.168613333	0.137288889	0.112528889	0.097715556
301	10/26/2022	0.275808889	0.282195556	0.265684444	0.237204444	0.218222222	0.227613333	0.229462222	0.21052
302	10/27/2022	0.372222222	0.349448889	0.32928	0.30084	0.262844444	0.249857778	0.19544	0.143773333
303	10/28/2022	0.370417778	0.335382222	0.327955556	0.310417778	0.302755556	0.292208889	0.246457778	0.205924444
304	10/29/2022	0.363595556	0.333586667	0.343706667	0.29556	0.249911111	0.247582222	0.212391111	0.188106667
305	10/30/2022	0.316044444	0.311062222	0.313435556	0.311466667	0.309386667	0.324822222	0.303515556	0.303053333
306	10/31/2022	0.266257778	0.277484444	0.268226667	0.260231111	0.249862222	0.235364444	0.21152	0.155724444
307	11/1/2022	0.269053333	0.279373333	0.294102222	0.276826667	0.240528889	0.242093333	0.205835556	0.189671111
308	11/2/2022	0.313137778	0.271471111	0.277711111	0.251853333	0.253608889	0.247031111	0.234413333	0.204324444
309	11/3/2022	0.276831111	0.300857778	0.270448889	0.230128889	0.196088889	0.169871111	0.153555556	0.112182222
310	11/4/2022	0.266195556	0.268711111	0.270231111	0.227506667	0.187671111	0.184391111	0.169084444	0.135084444
311	11/5/2022	0.251808889	0.272053333	0.280395556	0.246364444	0.208537778	0.170386667	0.176982222	0.113435556
312	11/6/2022	0.241608889	0.222	0.197568889	0.16108	0.146644444	0.107497778	0.1154	0.103893333
313	11/7/2022	0.210764444	0.184657778	0.1748	0.134862222	0.115666667	0.106137778	0.077293333	0.070328889
314	11/8/2022	0.2364	0.221791111	0.180422222	0.162671111	0.123288889	0.108182222	0.099044444	0.079062222
315	11/9/2022	0.295653333	0.246204444	0.200013333	0.14748	0.132373333	0.100924444	0.094533333	0.071373333
316	11/10/2022	0.211351111	0.202733333	0.202453333	0.130204444	0.098155556	0.101555556	0.081524444	0.073951111
317	11/11/2022	0.281604444	0.264973333	0.270782222	0.279831111	0.278435556	0.271635556	0.223306667	0.202871111
318	11/12/2022	0.366164444	0.39464	0.383733333	0.409777778	0.371302222	0.369897778	0.393306667	0.409426667
319	11/13/2022	0.439208889	0.441457778	0.440755556	0.444124444	0.476137778	0.454591111	0.452217778	0.442217778
320	11/14/2022	0.407813333	0.375115556	0.271675556	0.251302222	0.217911111	0.208613333	0.177293333	0.137635556
321	11/15/2022	0.421964444	0.431586667	0.371426667	0.343835556	0.319204444	0.308502222	0.323595556	0.323977778

	B	AR	AS	AT	AU	AV	AW	AX	AY
2	measurement date	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
290	10/15/2022	0.099804444	0.098231111	0.082226667	0.070177778	0.056591111	0.051035556	0.047511111	0.039848889
291	10/16/2022	0.109337778	0.134608889	0.102137778	0.064177778	0.057853333	0.050804444	0.045537778	0.051062222
292	10/17/2022	0.131826667	0.127355556	0.098906667	0.087906667	0.06292	0.059386667	0.056777778	0.059111111
293	10/18/2022	0.282533333	0.274133333	0.237853333	0.197271111	0.186471111	0.19264	0.156355556	0.161897778
294	10/19/2022	0.168462222	0.133813333	0.099742222	0.069528889	0.087688889	0.068502222	0.066422222	0.054253333
295	10/20/2022	0.13836	0.118591111	0.091342222	0.074173333	0.058848889	0.063671111	0.075791111	0.059146667
296	10/21/2022	0.143115556	0.116924444	0.111271111	0.085382222	0.0774	0.0532	0.041995556	0.041151111
297	10/22/2022	0.138533333	0.132711111	0.119266667	0.092151111	0.074288889	0.052497778	0.042577778	0.035448889
298	10/23/2022	0.083506667	0.07768	0.079862222	0.060733333	0.062697778	0.064506667	0.055115556	0.05692
299	10/24/2022	0.091671111	0.076791111	0.0722	0.054795556	0.052346667	0.043435556	0.064791111	0.045195556
300	10/25/2022	0.0988	0.090582222	0.090271111	0.103991111	0.102222222	0.079617778	0.079275556	0.100297778
301	10/26/2022	0.171502222	0.170862222	0.145937778	0.169946667	0.160177778	0.16724	0.169137778	0.165991111
302	10/27/2022	0.160488889	0.144626667	0.100457778	0.071186667	0.056657778	0.051937778	0.045537778	0.051426667
303	10/28/2022	0.157471111	0.138297778	0.092804444	0.100528889	0.073404444	0.072986667	0.077053333	0.068155556
304	10/29/2022	0.168306667	0.156906667	0.106088889	0.09452	0.08776	0.063071111	0.068631111	0.078982222
305	10/30/2022	0.244666667	0.238808889	0.233986667	0.221444444	0.185573333	0.18024	0.151191111	0.12916
306	10/31/2022	0.1924	0.174995556	0.15312	0.133804444	0.110928889	0.095831111	0.108457778	0.116875556
307	11/1/2022	0.156804444	0.151782222	0.14672	0.129826667	0.099493333	0.098893333	0.0994	0.118057778
308	11/2/2022	0.183337778	0.181328889	0.168826667	0.134617778	0.115986667	0.123302222	0.127475556	0.111751111
309	11/3/2022	0.105768889	0.096533333	0.072937778	0.050911111	0.05284	0.056364444	0.046302222	0.043177778
310	11/4/2022	0.116231111	0.094417778	0.084911111	0.0684	0.064106667	0.052231111	0.038044444	0.045657778
311	11/5/2022	0.130604444	0.116422222	0.106586667	0.093457778	0.100751111	0.112168889	0.141115556	0.108866667
312	11/6/2022	0.108386667	0.094164444	0.074782222	0.077142222	0.085431111	0.091217778	0.072048889	0.063484444
313	11/7/2022	0.044951111	0.046186667	0.043244444	0.038977778	0.055524444	0.042537778	0.036986667	0.03328
314	11/8/2022	0.070102222	0.072026667	0.06776	0.059528889	0.05664	0.043471111	0.043151111	0.0468
315	11/9/2022	0.069782222	0.058031111	0.059906667	0.043555556	0.053786667	0.06592	0.035257778	0.0394
316	11/10/2022	0.0586	0.052017778	0.049466667	0.0502	0.053786667	0.053706667	0.055062222	0.047835556
317	11/11/2022	0.191724444	0.219608889	0.218897778	0.233662222	0.222288889	0.240942222	0.233915556	0.223755556
318	11/12/2022	0.392195556	0.418902222	0.436506667	0.422457778	0.423977778	0.431484444	0.407768889	0.391404444
319	11/13/2022	0.440262222	0.42604	0.435284444	0.42788	0.363364444	0.355995556	0.345333333	0.365591111
320	11/14/2022	0.111391111	0.113804444	0.130053333	0.114364444	0.11568	0.12476	0.088884444	0.095071111
321	11/15/2022	0.250702222	0.24288	0.258511111	0.22128	0.231946667	0.212471111	0.223111111	0.24804

	B	AZ	BA	BB	BC	BD	BE	BF	BG
2	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345
290	10/15/2022	0.043728889	0.040764444	0.033871111	0.034044444	0.034124444	0.026631111	0.027151111	0.026226667
291	10/16/2022	0.077395556	0.063551111	0.045964444	0.039151111	0.028057778	0.057146667	0.043808889	0.042382222
292	10/17/2022	0.096688889	0.09424	0.098777778	0.104342222	0.114386667	0.107786667	0.122204444	0.109044444
293	10/18/2022	0.19136	0.210764444	0.163106667	0.18044	0.19552	0.18772	0.221062222	0.183964444
294	10/19/2022	0.057462222	0.049004444	0.035431111	0.051213333	0.046026667	0.039248889	0.036368889	0.030271111
295	10/20/2022	0.093711111	0.120951111	0.125306667	0.11776	0.103226667	0.121795556	0.103466667	0.105862222
296	10/21/2022	0.04588	0.041884444	0.053017778	0.053493333	0.033582222	0.063382222	0.053631111	0.071564444
297	10/22/2022	0.033288889	0.050804444	0.071302222	0.06196	0.08204	0.086053333	0.052937778	0.044444444
298	10/23/2022	0.042142222	0.030635556	0.033884444	0.044231111	0.04548	0.034471111	0.045848889	0.06076
299	10/24/2022	0.043697778	0.048786667	0.046311111	0.041017778	0.037515556	0.028808889	0.028484444	0.034751111
300	10/25/2022	0.081155556	0.080648889	0.074462222	0.092777778	0.081182222	0.061684444	0.064746667	0.049337778
301	10/26/2022	0.166831111	0.139288889	0.137657778	0.147862222	0.156871111	0.173164444	0.18284	0.159862222
302	10/27/2022	0.053195556	0.031582222	0.030257778	0.049431111	0.030786667	0.030368889	0.030662222	0.037511111
303	10/28/2022	0.067275556	0.063302222	0.05568	0.056284444	0.052977778	0.055524444	0.046253333	0.05008
304	10/29/2022	0.072711111	0.055626667	0.049462222	0.037386667	0.041737778	0.046351111	0.041155556	0.047266667
305	10/30/2022	0.13708	0.109222222	0.127088889	0.101844444	0.112497778	0.158902222	0.165915556	0.154222222
306	10/31/2022	0.155933333	0.140391111	0.111257778	0.137417778	0.132804444	0.133355556	0.144893333	0.123835556
307	11/1/2022	0.107666667	0.100848889	0.073137778	0.045933333	0.05044	0.063493333	0.07092	0.069853333
308	11/2/2022	0.125257778	0.102688889	0.125577778	0.101915556	0.080995556	0.067568889	0.058457778	0.059462222
309	11/3/2022	0.030382222	0.031604444	0.030231111	0.039422222	0.032902222	0.0262	0.02636	0.027631111
310	11/4/2022	0.057017778	0.039737778	0.037404444	0.040475556	0.032151111	0.037506667	0.032262222	0.031582222
311	11/5/2022	0.102324444	0.127822222	0.149435556	0.176737778	0.132782222	0.148524444	0.125386667	0.134968889
312	11/6/2022	0.050551111	0.046613333	0.045404444	0.049155556	0.062266667	0.081462222	0.074715556	0.067408889
313	11/7/2022	0.025062222	0.029924444	0.030204444	0.021595556	0.023626667	0.016844444	0.019075556	0.029631111
314	11/8/2022	0.036902222	0.042444444	0.034315556	0.027351111	0.022866667	0.028791111	0.042604444	0.035871111
315	11/9/2022	0.038471111	0.032364444	0.021711111	0.024226667	0.033093333	0.042204444	0.028728889	0.026048889
316	11/10/2022	0.035893333	0.038448889	0.046306667	0.040111111	0.031577778	0.042284444	0.032835556	0.031031111
317	11/11/2022	0.212848889	0.213115556	0.20264	0.183208889	0.203053333	0.223826667	0.24484	0.231035556
318	11/12/2022	0.434328889	0.428568889	0.421857778	0.39828	0.417808889	0.406191111	0.4212	0.384244444
319	11/13/2022	0.350733333	0.360377778	0.345031111	0.343137778	0.33316	0.303208889	0.324097778	0.381226667
320	11/14/2022	0.089146667	0.094333333	0.098448889	0.101035556	0.086217778	0.081746667	0.08168	0.071951111
321	11/15/2022	0.263008889	0.262924444	0.248244444	0.279591111	0.267791111	0.305937778	0.301533333	0.308671111

	B	BH	BI	BJ	BK	BL	BM	BN	BO
2	measurement date	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545
290	10/15/2022	0.032048889	0.023017778	0.034884444	0.028986667	0.044888889	0.040213333	0.056071111	0.052995556
291	10/16/2022	0.037884444	0.051822222	0.064262222	0.067035556	0.073262222	0.086568889	0.078111111	0.064857778
292	10/17/2022	0.102128889	0.09132	0.109044444	0.087782222	0.083982222	0.089271111	0.123315556	0.146906667
293	10/18/2022	0.182177778	0.168608889	0.170631111	0.181457778	0.175208889	0.172493333	0.164137778	0.174764444
294	10/19/2022	0.03892	0.031728889	0.031395556	0.029462222	0.042933333	0.035431111	0.034448889	0.052324444
295	10/20/2022	0.113666667	0.097835556	0.096417778	0.098755556	0.112653333	0.111284444	0.086426667	0.076368889
296	10/21/2022	0.064453333	0.061337778	0.052524444	0.040933333	0.044777778	0.040804444	0.038275556	0.03924
297	10/22/2022	0.050955556	0.0422	0.049551111	0.053897778	0.065337778	0.063417778	0.076448889	0.068631111
298	10/23/2022	0.059675556	0.07456	0.068844444	0.058466667	0.064288889	0.06764	0.074071111	0.064017778
299	10/24/2022	0.026648889	0.037608889	0.055982222	0.043804444	0.040675556	0.063862222	0.076995556	0.073746667
300	10/25/2022	0.056915556	0.07996	0.110111111	0.114435556	0.080271111	0.091231111	0.121244444	0.154177778
301	10/26/2022	0.138555556	0.149013333	0.140737778	0.123346667	0.122164444	0.13976	0.132871111	0.152715556
302	10/27/2022	0.033857778	0.030142222	0.036595556	0.032297778	0.041751111	0.035955556	0.035813333	0.058893333
303	10/28/2022	0.070604444	0.053533333	0.0364	0.032017778	0.055168889	0.063462222	0.071066667	0.06652
304	10/29/2022	0.049222222	0.050195556	0.049355556	0.041622222	0.043524444	0.059933333	0.070475556	0.065355556
305	10/30/2022	0.138084444	0.213333333	0.235666667	0.256368889	0.264648889	0.253084444	0.266386667	0.298657778
306	10/31/2022	0.095217778	0.090791111	0.087662222	0.119462222	0.137337778	0.163022222	0.178404444	0.144506667
307	11/1/2022	0.0758	0.088177778	0.079022222	0.101551111	0.121768889	0.1414	0.132315556	0.150502222
308	11/2/2022	0.07024	0.0828	0.084306667	0.090515556	0.086377778	0.085675556	0.098408889	0.101617778
309	11/3/2022	0.03304	0.028693333	0.027737778	0.042217778	0.039871111	0.043355556	0.055764444	0.076435556
310	11/4/2022	0.022982222	0.030724444	0.032551111	0.042591111	0.048577778	0.041795556	0.041151111	0.050124444
311	11/5/2022	0.120768889	0.149657778	0.183564444	0.218635556	0.207075556	0.208235556	0.261853333	0.268702222
312	11/6/2022	0.068324444	0.0578	0.07236	0.09332	0.104386667	0.114648889	0.14984	0.158542222
313	11/7/2022	0.028404444	0.04588	0.058084444	0.066826667	0.055617778	0.071142222	0.094528889	0.115186667
314	11/8/2022	0.043004444	0.038031111	0.044013333	0.048062222	0.063102222	0.081568889	0.089146667	0.096795556
315	11/9/2022	0.032217778	0.039182222	0.063057778	0.060542222	0.064168889	0.066888889	0.060324444	0.08484
316	11/10/2022	0.033462222	0.039066667	0.039546667	0.046577778	0.055746667	0.075737778	0.094013333	0.094102222
317	11/11/2022	0.253488889	0.23848	0.23084	0.247711111	0.222155556	0.222035556	0.22964	0.251933333
318	11/12/2022	0.424288889	0.453924444	0.441488889	0.430728889	0.424071111	0.443524444	0.447675556	0.446573333
319	11/13/2022	0.357351111	0.347057778	0.355235556	0.344631111	0.376613333	0.379004444	0.402671111	0.425946667
320	11/14/2022	0.06876	0.085257778	0.09756	0.11372	0.099577778	0.119502222	0.149751111	0.153657778
321	11/15/2022	0.317044444	0.360662222	0.303635556	0.314911111	0.326586667	0.363128889	0.395888889	0.392164444

	B	BP	BQ	BR	BS	BT	BU	BV	BW
2	measurement date	D_1600	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745
290	10/15/2022	0.068524444	0.073702222	0.076031111	0.095564444	0.106133333	0.126902222	0.110097778	0.171262222
291	10/16/2022	0.078151111	0.098884444	0.10916	0.125493333	0.159484444	0.173804444	0.209351111	0.203408889
292	10/17/2022	0.132697778	0.141226667	0.137457778	0.155684444	0.152422222	0.177235556	0.186653333	0.213582222
293	10/18/2022	0.192537778	0.209724444	0.2552	0.27388	0.278573333	0.342671111	0.370355556	0.390871111
294	10/19/2022	0.064177778	0.07016	0.112266667	0.145884444	0.155248889	0.162511111	0.183884444	0.183977778
295	10/20/2022	0.069835556	0.094746667	0.100737778	0.103888889	0.140222222	0.172453333	0.180866667	0.20364
296	10/21/2022	0.054395556	0.0702	0.084288889	0.101608889	0.111955556	0.11692	0.114111111	0.150484444
297	10/22/2022	0.077795556	0.100431111	0.098395556	0.123426667	0.079244444	0.07824	0.133631111	0.176124444
298	10/23/2022	0.068191111	0.094671111	0.125328889	0.133431111	0.154168889	0.156391111	0.204591111	0.243342222
299	10/24/2022	0.069088889	0.074226667	0.085195556	0.10268	0.155466667	0.205435556	0.230555556	0.258848889
300	10/25/2022	0.12828	0.105964444	0.140124444	0.135631111	0.165364444	0.212342222	0.223066667	0.229928889
301	10/26/2022	0.150831111	0.11376	0.133662222	0.195013333	0.230364444	0.234511111	0.270084444	0.250804444
302	10/27/2022	0.068564444	0.08908	0.085844444	0.110733333	0.14396	0.172142222	0.189622222	0.198733333
303	10/28/2022	0.062782222	0.075235556	0.087146667	0.091693333	0.125648889	0.159466667	0.15552	0.169391111
304	10/29/2022	0.073684444	0.096986667	0.115982222	0.160884444	0.175662222	0.188004444	0.201115556	0.244848889
305	10/30/2022	0.253097778	0.293813333	0.377506667	0.380364444	0.386977778	0.356964444	0.379088889	0.408182222
306	10/31/2022	0.137635556	0.180457778	0.248231111	0.294817778	0.289186667	0.276093333	0.272782222	0.279035556
307	11/1/2022	0.157128889	0.151026667	0.130271111	0.121968889	0.149964444	0.18524	0.169875556	0.206031111
308	11/2/2022	0.101124444	0.091128889	0.091924444	0.132742222	0.170551111	0.168031111	0.172586667	0.1892
309	11/3/2022	0.074764444	0.057848889	0.077951111	0.113435556	0.117857778	0.152311111	0.17296	0.183995556
310	11/4/2022	0.068124444	0.072822222	0.080746667	0.102088889	0.137724444	0.159506667	0.17808	0.207946667
311	11/5/2022	0.241497778	0.261124444	0.276511111	0.278737778	0.287151111	0.268271111	0.289684444	0.308088889
312	11/6/2022	0.20528	0.199293333	0.213311111	0.276844444	0.300266667	0.359866667	0.385226667	0.401866667
313	11/7/2022	0.132248889	0.152244444	0.164964444	0.197746667	0.247733333	0.271537778	0.3232	0.372017778
314	11/8/2022	0.108795556	0.150066667	0.193982222	0.203093333	0.25164	0.311235556	0.345311111	0.360168889
315	11/9/2022	0.102026667	0.119253333	0.13392	0.178386667	0.231715556	0.274586667	0.332111111	0.352777778
316	11/10/2022	0.106448889	0.145595556	0.16364	0.169635556	0.217044444	0.265382222	0.296493333	0.338182222
317	11/11/2022	0.241137778	0.21408	0.201013333	0.239626667	0.263724444	0.291191111	0.314973333	0.327008889
318	11/12/2022	0.468226667	0.429546667	0.453128889	0.497391111	0.445453333	0.492542222	0.487853333	0.528195556
319	11/13/2022	0.457902222	0.457097778	0.455648889	0.456822222	0.488128889	0.498822222	0.505853333	0.54576
320	11/14/2022	0.197653333	0.216142222	0.222377778	0.271857778	0.297582222	0.361644444	0.463835556	0.444084444
321	11/15/2022	0.380666667	0.38188	0.415431111	0.464937778	0.486431111	0.488795556	0.503435556	0.487026667

	B	BX	BY	BZ	CA	CB	CC	CD	CE
2	measurement date	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945
290	10/15/2022	0.216684444	0.229222222	0.24356	0.272808889	0.296271111	0.311626667	0.347186667	0.339604444
291	10/16/2022	0.266475556	0.266013333	0.301737778	0.327568889	0.31976	0.355746667	0.384342222	0.400013333
292	10/17/2022	0.287311111	0.300382222	0.320093333	0.35792	0.423137778	0.398937778	0.406328889	0.428808889
293	10/18/2022	0.378533333	0.450355556	0.429031111	0.441217778	0.440262222	0.435791111	0.445191111	0.465102222
294	10/19/2022	0.206235556	0.226422222	0.290653333	0.316102222	0.348035556	0.37028	0.399831111	0.454115556
295	10/20/2022	0.217155556	0.253906667	0.31056	0.343804444	0.402884444	0.409351111	0.394133333	0.419955556
296	10/21/2022	0.208244444	0.217088889	0.216724444	0.260964444	0.254671111	0.294124444	0.314737778	0.323382222
297	10/22/2022	0.184226667	0.227702222	0.288608889	0.303528889	0.317355556	0.339244444	0.312844444	0.345493333
298	10/23/2022	0.301728889	0.303648889	0.361444444	0.391462222	0.394444444	0.376111111	0.383946667	0.409426667
299	10/24/2022	0.288248889	0.30584	0.313448889	0.338053333	0.370271111	0.360346667	0.362968889	0.349848889
300	10/25/2022	0.239728889	0.283764444	0.31312	0.334644444	0.341564444	0.360884444	0.370911111	0.400657778
301	10/26/2022	0.285911111	0.33368	0.3684	0.333902222	0.333928889	0.37892	0.392231111	0.396324444
302	10/27/2022	0.236555556	0.293426667	0.336444444	0.342337778	0.352871111	0.36544	0.376053333	0.396155556
303	10/28/2022	0.218675556	0.247448889	0.280711111	0.335697778	0.347897778	0.366671111	0.362822222	0.369355556
304	10/29/2022	0.272657778	0.322155556	0.359973333	0.343542222	0.354057778	0.380284444	0.371386667	0.349991111
305	10/30/2022	0.421088889	0.397213333	0.398288889	0.367977778	0.387448889	0.405866667	0.403337778	0.391786667
306	10/31/2022	0.296817778	0.326017778	0.318488889	0.305373333	0.300871111	0.302271111	0.304888889	0.333351111
307	11/1/2022	0.255431111	0.307751111	0.327782222	0.346777778	0.352168889	0.377324444	0.38908	0.374906667
308	11/2/2022	0.212951111	0.256342222	0.292542222	0.335693333	0.34416	0.37868	0.374128889	0.412311111
309	11/3/2022	0.219924444	0.250444444	0.304768889	0.339497778	0.322897778	0.340942222	0.362115556	0.354151111
310	11/4/2022	0.239795556	0.276195556	0.306697778	0.32948	0.34404	0.353728889	0.34588	0.331328889
311	11/5/2022	0.318311111	0.332213333	0.323733333	0.36568	0.393426667	0.373466667	0.359657778	0.3746
312	11/6/2022	0.434173333	0.433724444	0.423266667	0.426546667	0.406368889	0.394657778	0.412408889	0.402328889
313	11/7/2022	0.362177778	0.379937778	0.386653333	0.375422222	0.334715556	0.354515556	0.374364444	0.369804444
314	11/8/2022	0.367351111	0.371208889	0.384262222	0.369871111	0.367493333	0.365533333	0.383026667	0.372933333
315	11/9/2022	0.3596	0.352093333	0.36588	0.386391111	0.343777778	0.353964444	0.395502222	0.40048
316	11/10/2022	0.362982222	0.371608889	0.369062222	0.354515556	0.331244444	0.341613333	0.34732	0.3586
317	11/11/2022	0.348693333	0.35888	0.381764444	0.36936	0.348288889	0.331826667	0.322977778	0.354266667
318	11/12/2022	0.519662222	0.531911111	0.530008889	0.51992	0.519488889	0.505755556	0.482951111	0.471746667
319	11/13/2022	0.537586667	0.52172	0.535657778	0.536031111	0.509546667	0.537044444	0.547364444	0.570826667
320	11/14/2022	0.434048889	0.443377778	0.442084444	0.456413333	0.471053333	0.482026667	0.476706667	0.475062222
321	11/15/2022	0.501262222	0.521675556	0.50924	0.511528889	0.49856	0.470831111	0.49404	0.535595556

	B	CF	CG	CH	CI	CJ	CK	CL	CM
2	measurement date	D_2000	D_2015	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145
290	10/15/2022	0.352991111	0.335764444	0.322111111	0.296693333	0.283706667	0.29756	0.288217778	0.269017778
291	10/16/2022	0.377253333	0.363231111	0.403453333	0.38944	0.387044444	0.386235556	0.377031111	0.360151111
292	10/17/2022	0.419048889	0.429133333	0.407924444	0.415484444	0.435955556	0.427995556	0.40216	0.414724444
293	10/18/2022	0.447662222	0.438488889	0.438826667	0.441311111	0.456515556	0.454737778	0.468991111	0.455662222
294	10/19/2022	0.397315556	0.384915556	0.386875556	0.412968889	0.413777778	0.424417778	0.434488889	0.421115556
295	10/20/2022	0.407511111	0.41996	0.4222	0.41776	0.377604444	0.363546667	0.390648889	0.378204444
296	10/21/2022	0.325555556	0.324822222	0.331817778	0.327093333	0.362484444	0.344728889	0.320222222	0.311142222
297	10/22/2022	0.33908	0.345804444	0.326168889	0.333577778	0.338853333	0.345475556	0.3354	0.337977778
298	10/23/2022	0.45064	0.417253333	0.422564444	0.424195556	0.433897778	0.396826667	0.392328889	0.375577778
299	10/24/2022	0.360053333	0.355413333	0.348822222	0.363155556	0.371768889	0.365866667	0.347848889	0.35536
300	10/25/2022	0.396577778	0.382675556	0.396102222	0.39664	0.394448889	0.375186667	0.373573333	0.370435556
301	10/26/2022	0.408266667	0.368693333	0.39592	0.390995556	0.385311111	0.359795556	0.352826667	0.387035556
302	10/27/2022	0.379693333	0.39512	0.435884444	0.412133333	0.422915556	0.414075556	0.404715556	0.403151111
303	10/28/2022	0.339315556	0.346351111	0.327088889	0.315342222	0.299524444	0.292857778	0.306671111	0.30248
304	10/29/2022	0.368204444	0.338182222	0.341475556	0.340031111	0.32624	0.3444	0.325377778	0.331417778
305	10/30/2022	0.409213333	0.396995556	0.40548	0.391102222	0.393817778	0.384733333	0.394653333	0.371853333
306	10/31/2022	0.330315556	0.341031111	0.340613333	0.329471111	0.328933333	0.336368889	0.321982222	0.302506667
307	11/1/2022	0.35048	0.37632	0.38672	0.381044444	0.380888889	0.37644	0.37832	0.383906667
308	11/2/2022	0.412244444	0.399413333	0.395266667	0.369648889	0.380146667	0.396706667	0.356093333	0.341528889
309	11/3/2022	0.370448889	0.365133333	0.354893333	0.358768889	0.367044444	0.352071111	0.355755556	0.356795556
310	11/4/2022	0.347493333	0.339964444	0.350022222	0.316271111	0.315688889	0.293017778	0.293426667	0.299173333
311	11/5/2022	0.370066667	0.360213333	0.360084444	0.342804444	0.355151111	0.353822222	0.361484444	0.352084444
312	11/6/2022	0.415724444	0.393746667	0.406355556	0.414653333	0.389222222	0.371715556	0.362622222	0.355702222
313	11/7/2022	0.357804444	0.345164444	0.391875556	0.357688889	0.32388	0.318395556	0.320217778	0.327564444
314	11/8/2022	0.385426667	0.36892	0.383928889	0.358044444	0.374533333	0.35432	0.358128889	0.360297778
315	11/9/2022	0.386342222	0.382453333	0.345506667	0.328582222	0.345057778	0.319924444	0.323031111	0.336031111
316	11/10/2022	0.335044444	0.319431111	0.313791111	0.311337778	0.306111111	0.316942222	0.31916	0.318653333
317	11/11/2022	0.345946667	0.327626667	0.310764444	0.306506667	0.32084	0.307653333	0.315213333	0.299915556
318	11/12/2022	0.467004444	0.469991111	0.440346667	0.445613333	0.474573333	0.493933333	0.490133333	0.434035556
319	11/13/2022	0.54336	0.503746667	0.486435556	0.47492	0.545422222	0.492902222	0.514755556	0.470942222
320	11/14/2022	0.480057778	0.488013333	0.477506667	0.450266667	0.467231111	0.44336	0.447364444	0.444115556
321	11/15/2022	0.48916	0.45616	0.450142222	0.486346667	0.450071111	0.486097778	0.464142222	0.462088889

	B	CN	CO	CP	CQ	CR	CS	CT	CU
2	measurement date	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345
290	10/15/2022	0.256582222	0.269928889	0.272955556	0.273702222	0.270262222	0.267973333	0.256777778	0.239706667
291	10/16/2022	0.379506667	0.346248889	0.292257778	0.294377778	0.269324444	0.265853333	0.247697778	0.234471111
292	10/17/2022	0.390937778	0.381	0.337911111	0.349257778	0.337324444	0.334222222	0.328244444	0.29364
293	10/18/2022	0.43444	0.438991111	0.390764444	0.402955556	0.401182222	0.357773333	0.3512	0.329275556
294	10/19/2022	0.443582222	0.401137778	0.386115556	0.378115556	0.354115556	0.321404444	0.335146667	0.331604444
295	10/20/2022	0.356528889	0.339937778	0.354848889	0.338853333	0.3502	0.342208889	0.304066667	0.307497778
296	10/21/2022	0.321231111	0.3158	0.31284	0.287768889	0.281102222	0.281342222	0.266751111	0.265288889
297	10/22/2022	0.313368889	0.313666667	0.313262222	0.298995556	0.287275556	0.291751111	0.263688889	0.22896
298	10/23/2022	0.388213333	0.362457778	0.362755556	0.355177778	0.326573333	0.30076	0.283995556	0.254511111
299	10/24/2022	0.383284444	0.348782222	0.310111111	0.313453333	0.295284444	0.284297778	0.26744	0.266324444
300	10/25/2022	0.358395556	0.357871111	0.346444444	0.335075556	0.316448889	0.313831111	0.280835556	0.260186667
301	10/26/2022	0.366902222	0.353697778	0.332151111	0.29164	0.287506667	0.286288889	0.28184	0.261831111
302	10/27/2022	0.389266667	0.373995556	0.357675556	0.321493333	0.313146667	0.305542222	0.292906667	0.280444444
303	10/28/2022	0.307004444	0.287053333	0.291506667	0.316311111	0.292866667	0.292786667	0.266422222	0.251311111
304	10/29/2022	0.309017778	0.315151111	0.318488889	0.303075556	0.280955556	0.276008889	0.25664	0.260333333
305	10/30/2022	0.359764444	0.333435556	0.339208889	0.317	0.285435556	0.287208889	0.284053333	0.260777778
306	10/31/2022	0.312986667	0.299951111	0.289004444	0.265924444	0.264253333	0.255311111	0.25344	0.244302222
307	11/1/2022	0.35992	0.353102222	0.341253333	0.289102222	0.273488889	0.257471111	0.24172	0.227226667
308	11/2/2022	0.332008889	0.307657778	0.302813333	0.290746667	0.268768889	0.253595556	0.250737778	0.235093333
309	11/3/2022	0.34544	0.325057778	0.283151111	0.271902222	0.263191111	0.265622222	0.260222222	0.2384
310	11/4/2022	0.303075556	0.296946667	0.288484444	0.285297778	0.271355556	0.269995556	0.263995556	0.255448889
311	11/5/2022	0.320044444	0.319235556	0.310951111	0.317457778	0.288622222	0.259808889	0.234582222	0.255933333
312	11/6/2022	0.333915556	0.313448889	0.304662222	0.282746667	0.262773333	0.261048889	0.250364444	0.255
313	11/7/2022	0.305191111	0.301262222	0.2826	0.270662222	0.270244444	0.274924444	0.28572	0.266613333
314	11/8/2022	0.344222222	0.341613333	0.367991111	0.319608889	0.304715556	0.298488889	0.295808889	0.289026667
315	11/9/2022	0.363448889	0.340564444	0.326115556	0.32488	0.312253333	0.296995556	0.292506667	0.274288889
316	11/10/2022	0.302377778	0.2988	0.299008889	0.300844444	0.296555556	0.27964	0.251328889	0.239271111
317	11/11/2022	0.289502222	0.289768889	0.306048889	0.289075556	0.284031111	0.275884444	0.286746667	0.288675556
318	11/12/2022	0.464751111	0.43524	0.455808889	0.408426667	0.412511111	0.388862222	0.388462222	0.406964444
319	11/13/2022	0.448524444	0.430711111	0.427173333	0.437008889	0.447728889	0.439951111	0.404133333	0.386337778
320	11/14/2022	0.432533333	0.41504	0.412013333	0.395053333	0.383786667	0.392746667	0.393533333	0.37636
321	11/15/2022	0.466391111	0.412568889	0.43008	0.417235556	0.417266667	0.4156	0.378742222	0.367497778

	B	CV	CW	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB
2	measurement date	D_2400		1	2	3	4	5	6	7	8	9	10	11	12
290	10/15/2022	0.24832		0.94	0.82	0.82	0.80	0.78	0.83	0.86	0.95	0.90	0.53	0.31	0.18
291	10/16/2022	0.221515556		0.92	0.84	0.81	0.79	0.84	0.87	0.96	1.09	0.99	0.61	0.36	0.22
292	10/17/2022	0.31372		0.85	0.82	0.80	0.80	0.81	0.88	1.16	1.27	1.00	0.56	0.38	0.27
293	10/18/2022	0.324262222		1.19	1.17	1.18	1.10	1.14	1.28	1.63	1.56	1.42	1.20	0.90	0.70
294	10/19/2022	0.314653333		1.29	1.26	1.22	1.17	1.24	1.37	1.67	1.60	1.28	0.83	0.39	0.25
295	10/20/2022	0.315488889		1.23	1.25	1.22	1.22	1.24	1.42	1.63	1.62	1.27	0.73	0.34	0.29
296	10/21/2022	0.257764444		1.18	1.18	1.15	1.15	1.16	1.30	1.55	1.57	1.36	0.70	0.39	0.18
297	10/22/2022	0.226235556		0.98	0.94	0.88	0.89	0.90	0.89	0.96	1.15	1.03	0.53	0.42	0.16
298	10/23/2022	0.238924444		0.93	0.88	0.79	0.75	0.72	0.75	0.78	0.91	0.92	0.55	0.28	0.22
299	10/24/2022	0.261404444		0.91	0.85	0.83	0.76	0.77	0.87	1.05	1.07	0.81	0.47	0.26	0.20
300	10/25/2022	0.252755556		0.92	0.84	0.82	0.75	0.76	0.85	1.04	1.05	0.87	0.45	0.39	0.34
301	10/26/2022	0.260982222		0.96	0.85	0.80	0.78	0.75	0.83	1.03	1.07	1.00	0.84	0.65	0.67
302	10/27/2022	0.290368889		1.00	1.00	0.98	1.02	1.08	1.22	1.39	1.49	1.24	0.75	0.37	0.20
303	10/28/2022	0.248408889		1.06	1.07	1.05	1.02	1.06	1.20	1.37	1.53	1.28	0.90	0.41	0.29
304	10/29/2022	0.267764444		0.99	0.90	0.88	0.97	0.97	0.99	1.08	1.27	1.22	0.82	0.45	0.28
305	10/30/2022	0.230644444		1.08	0.97	0.92	0.93	0.95	0.96	1.03	1.18	1.25	1.18	0.88	0.60
306	10/31/2022	0.225137778		0.86	0.80	0.78	0.74	0.75	0.86	1.11	1.09	1.06	0.80	0.57	0.48
307	11/1/2022	0.231151111		0.90	0.81	0.79	0.80	0.80	0.88	1.04	1.05	1.09	0.79	0.53	0.42
308	11/2/2022	0.231208889		0.92	0.94	0.89	0.84	0.86	1.00	1.17	1.20	1.05	0.87	0.60	0.49
309	11/3/2022	0.24972		0.87	0.83	0.84	0.84	0.92	0.94	1.21	1.15	1.00	0.54	0.27	0.18
310	11/4/2022	0.257302222		0.93	0.89	0.86	0.79	0.83	0.91	1.16	1.14	0.95	0.60	0.31	0.19
311	11/5/2022	0.256835556		0.96	0.88	0.87	0.87	0.81	0.79	0.80	0.93	1.01	0.59	0.42	0.46
312	11/6/2022	0.256373333		0.99	1.72	0.82	0.75	0.77	0.78	0.88	0.98	0.73	0.44	0.33	0.28
313	11/7/2022	0.257791111		0.93	0.85	0.79	0.82	0.84	0.94	1.11	1.03	0.61	0.30	0.18	0.14
314	11/8/2022	0.24832		1.04	0.90	0.88	0.88	0.91	1.07	1.28	1.18	0.69	0.36	0.26	0.17
315	11/9/2022	0.279866667		1.01	0.97	0.96	1.03	1.04	1.27	1.42	1.36	0.73	0.34	0.22	0.18
316	11/10/2022	0.234906667		1.00	0.94	0.90	0.87	0.94	0.97	1.30	1.17	0.63	0.32	0.21	0.19
317	11/11/2022	0.283808889		0.91	0.85	0.85	0.77	0.78	0.84	1.02	1.16	1.09	0.89	0.89	0.91
318	11/12/2022	0.384768889		1.12	1.02	1.01	1.03	1.04	1.14	1.22	1.42	1.56	1.56	1.70	1.66
319	11/13/2022	0.385133333		1.46	1.39	1.42	1.36	1.40	1.47	1.48	1.63	1.80	1.79	1.65	1.42
320	11/14/2022	0.393324444		1.39	1.39	1.37	1.32	1.37	1.56	1.81	1.80	1.12	0.63	0.47	0.40
321	11/15/2022	0.358093333		1.40	1.33	1.34	1.31	1.31	1.55	1.76	1.67	1.47	1.21	0.95	0.95

	B	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
2	measurement date	13	14	15	16	17	18	19	20	21	22	23	24
290	10/15/2022	0.14	0.11	0.13	0.22	0.35	0.62	1.04	1.35	1.24	1.11	1.09	1.01
291	10/16/2022	0.18	0.18	0.26	0.31	0.49	0.85	1.22	1.52	1.54	1.50	1.20	0.97
292	10/17/2022	0.41	0.44	0.37	0.49	0.59	0.86	1.40	1.65	1.69	1.64	1.41	1.27
293	10/18/2022	0.75	0.77	0.70	0.70	1.02	1.48	1.76	1.79	1.78	1.81	1.63	1.36
294	10/19/2022	0.18	0.14	0.14	0.19	0.48	0.74	1.18	1.62	1.60	1.72	1.52	1.30
295	10/20/2022	0.47	0.44	0.41	0.34	0.44	0.77	1.31	1.63	1.64	1.49	1.38	1.27
296	10/21/2022	0.18	0.25	0.20	0.17	0.37	0.59	0.95	1.26	1.35	1.30	1.20	1.07
297	10/22/2022	0.27	0.23	0.21	0.29	0.40	0.57	1.14	1.34	1.34	1.33	1.21	1.01
298	10/23/2022	0.15	0.20	0.27	0.27	0.51	0.91	1.45	1.62	1.70	1.55	1.41	1.08
299	10/24/2022	0.17	0.12	0.18	0.28	0.42	0.98	1.33	1.43	1.44	1.45	1.27	1.08
300	10/25/2022	0.33	0.23	0.38	0.49	0.55	0.91	1.27	1.53	1.57	1.48	1.36	1.11
301	10/26/2022	0.58	0.65	0.54	0.58	0.67	1.04	1.37	1.58	1.54	1.47	1.26	1.09
302	10/27/2022	0.14	0.13	0.14	0.20	0.43	0.80	1.33	1.52	1.67	1.61	1.37	1.17
303	10/28/2022	0.23	0.22	0.18	0.26	0.38	0.70	1.21	1.44	1.29	1.21	1.19	1.06
304	10/29/2022	0.18	0.18	0.18	0.27	0.55	0.91	1.38	1.47	1.35	1.31	1.22	1.06
305	10/30/2022	0.45	0.62	0.97	1.07	1.44	1.57	1.55	1.61	1.59	1.51	1.28	1.06
306	10/31/2022	0.52	0.50	0.44	0.62	1.01	1.12	1.25	1.27	1.34	1.27	1.12	0.98
307	11/1/2022	0.27	0.28	0.39	0.58	0.55	0.82	1.33	1.49	1.52	1.50	1.26	0.96
308	11/2/2022	0.41	0.26	0.34	0.39	0.49	0.74	1.23	1.58	1.54	1.43	1.17	0.97
309	11/3/2022	0.13	0.11	0.14	0.25	0.37	0.73	1.22	1.43	1.45	1.41	1.14	1.01
310	11/4/2022	0.15	0.12	0.15	0.20	0.39	0.79	1.26	1.38	1.32	1.19	1.14	1.05
311	11/5/2022	0.59	0.53	0.76	0.98	1.10	1.18	1.42	1.48	1.42	1.39	1.24	1.01
312	11/6/2022	0.20	0.29	0.33	0.63	0.99	1.58	1.69	1.63	1.60	1.42	1.16	1.02
313	11/7/2022	0.11	0.09	0.23	0.41	0.76	1.33	1.48	1.46	1.42	1.27	1.12	1.09
314	11/8/2022	0.13	0.15	0.19	0.38	0.80	1.38	1.49	1.51	1.49	1.42	1.33	1.13
315	11/9/2022	0.11	0.13	0.23	0.31	0.66	1.32	1.45	1.54	1.40	1.34	1.30	1.14
316	11/10/2022	0.16	0.14	0.18	0.37	0.70	1.26	1.43	1.38	1.25	1.26	1.20	1.01
317	11/11/2022	0.80	0.95	0.94	0.94	0.92	1.28	1.46	1.36	1.27	1.21	1.17	1.14
318	11/12/2022	1.67	1.64	1.75	1.81	1.83	2.03	2.10	1.93	1.83	1.88	1.71	1.57
319	11/13/2022	1.38	1.37	1.42	1.67	1.86	2.09	2.10	2.20	2.01	1.93	1.74	1.62
320	11/14/2022	0.38	0.30	0.40	0.62	1.01	1.70	1.81	1.91	1.88	1.77	1.61	1.56
321	11/15/2022	1.06	1.23	1.31	1.53	1.75	1.98	2.04	1.99	1.84	1.88	1.68	1.52

	B	C	D	E	F	G	H	I	J	K
2	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145
322	11/16/2022	11	3	0.352817778	0.36224	0.343444444	0.358502222	0.331777778	0.327982222	0.318724444
323	11/17/2022	11	4	0.384373333	0.371328889	0.390017778	0.397991111	0.385204444	0.356617778	0.388306667
324	11/18/2022	11	5	0.441088889	0.427857778	0.416884444	0.395662222	0.401382222	0.399284444	0.396128889
325	11/19/2022	11	6	0.437328889	0.410488889	0.446	0.427155556	0.422426667	0.4272	0.429733333
326	11/20/2022	11	7	0.483346667	0.458591111	0.430057778	0.432368889	0.428688889	0.434684444	0.440955556
327	11/21/2022	11	1	0.45668	0.44776	0.42132	0.415084444	0.407102222	0.429515556	0.439466667
328	11/22/2022	11	2	0.3806	0.371088889	0.393911111	0.386453333	0.389453333	0.352462222	0.351977778
329	11/23/2022	11	3	0.345288889	0.359457778	0.336506667	0.346008889	0.339826667	0.339373333	0.333631111
330	11/24/2022	11	4	0.367697778	0.370311111	0.339262222	0.351902222	0.350035556	0.363604444	0.336115556
331	11/25/2022	11	5	0.25996	0.272631111	0.281004444	0.277186667	0.269746667	0.254675556	0.25708
332	11/26/2022	11	6	0.327626667	0.350955556	0.366026667	0.368715556	0.349013333	0.354133333	0.359933333
333	11/27/2022	11	7	0.321355556	0.32212	0.301822222	0.285475556	0.310942222	0.292231111	0.280377778
334	11/28/2022	11	1	0.306875556	0.322551111	0.300444444	0.291213333	0.26792	0.277568889	0.273257778
335	11/29/2022	11	2	0.335728889	0.311706667	0.314697778	0.311315556	0.302311111	0.30264	0.277453333
336	11/30/2022	11	3	0.27836	0.282177778	0.258266667	0.236822222	0.259506667	0.252111111	0.246471111
337	12/1/2022	12	4	0.410928889	0.38272	0.38672	0.384586667	0.387222222	0.382937778	0.404177778
338	12/2/2022	12	5	0.39892	0.410502222	0.407208889	0.417466667	0.39868	0.41784	0.384622222
339	12/3/2022	12	6	0.351666667	0.344937778	0.333146667	0.330284444	0.307164444	0.304786667	0.306817778
340	12/4/2022	12	7	0.365137778	0.403231111	0.397822222	0.376128889	0.367906667	0.358337778	0.36596
341	12/5/2022	12	1	0.414368889	0.418791111	0.404191111	0.432297778	0.4014	0.408106667	0.412217778
342	12/6/2022	12	2	0.392333333	0.357746667	0.348791111	0.357093333	0.332844444	0.325035556	0.304684444
343	12/7/2022	12	3	0.276746667	0.290915556	0.305657778	0.281004444	0.265746667	0.252382222	0.254462222
344	12/8/2022	12	4	0.31576	0.301302222	0.313871111	0.314937778	0.304177778	0.293862222	0.265093333
345	12/9/2022	12	5	0.343342222	0.338351111	0.351364444	0.299724444	0.324728889	0.307653333	0.305337778
346	12/10/2022	12	6	0.337035556	0.34688	0.337244444	0.322013333	0.32092	0.303902222	0.308693333
347	12/11/2022	12	7	0.35	0.342662222	0.329315556	0.305	0.31176	0.277844444	0.278151111
348	12/12/2022	12	1	0.352662222	0.318742222	0.332351111	0.345155556	0.324733333	0.3154	0.301795556
349	12/13/2022	12	2	0.400164444	0.377204444	0.383297778	0.357764444	0.373	0.352888889	0.34784
350	12/14/2022	12	3	0.368391111	0.338355556	0.350488889	0.339773333	0.35392	0.330008889	0.343648889
351	12/15/2022	12	4	0.318862222	0.310768889	0.294746667	0.284106667	0.304351111	0.301991111	0.301497778
352	12/16/2022	12	5	0.397866667	0.371355556	0.368102222	0.381573333	0.344924444	0.333986667	0.343644444
353	12/17/2022	12	6	0.401591111	0.42064	0.40316	0.387555556	0.389284444	0.38316	0.407671111

	B	L	M	N	O	P	Q	R	S
2	measurement date	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330	D_0345
322	11/16/2022	0.33248	0.3576	0.321928889	0.327982222	0.292684444	0.31796	0.324733333	0.326711111
323	11/17/2022	0.370804444	0.376022222	0.37364	0.366337778	0.351657778	0.353333333	0.362284444	0.364417778
324	11/18/2022	0.390604444	0.398417778	0.404951111	0.409306667	0.387568889	0.384431111	0.388648889	0.361866667
325	11/19/2022	0.440968889	0.425768889	0.427933333	0.432791111	0.418155556	0.442648889	0.434635556	0.417293333
326	11/20/2022	0.406617778	0.41036	0.436262222	0.416915556	0.431542222	0.416573333	0.43248	0.416635556
327	11/21/2022	0.419017778	0.42444	0.425475556	0.417711111	0.404017778	0.438475556	0.429368889	0.384795556
328	11/22/2022	0.363995556	0.37048	0.356071111	0.357164444	0.366448889	0.382773333	0.36984	0.35304
329	11/23/2022	0.335897778	0.34412	0.3256	0.337653333	0.316146667	0.34344	0.330875556	0.340582222
330	11/24/2022	0.328786667	0.327284444	0.333666667	0.337991111	0.347408889	0.308857778	0.31816	0.336555556
331	11/25/2022	0.247146667	0.238955556	0.235066667	0.235635556	0.247968889	0.244871111	0.225906667	0.240946667
332	11/26/2022	0.343124444	0.346351111	0.335373333	0.34328	0.354542222	0.349075556	0.347048889	0.335911111
333	11/27/2022	0.270155556	0.284262222	0.28036	0.277426667	0.284151111	0.260031111	0.291697778	0.277586667
334	11/28/2022	0.255351111	0.273177778	0.278231111	0.257408889	0.266804444	0.266724444	0.292075556	0.289831111
335	11/29/2022	0.280017778	0.284271111	0.288808889	0.28968	0.276142222	0.305208889	0.290102222	0.288626667
336	11/30/2022	0.25468	0.252511111	0.231924444	0.224711111	0.237497778	0.247924444	0.241515556	0.243466667
337	12/1/2022	0.390186667	0.389066667	0.38788	0.374751111	0.352488889	0.381862222	0.37748	0.397142222
338	12/2/2022	0.407337778	0.39476	0.405946667	0.393742222	0.40916	0.388564444	0.381737778	0.38988
339	12/3/2022	0.267386667	0.276573333	0.286755556	0.279231111	0.281808889	0.289595556	0.285511111	0.25412
340	12/4/2022	0.358737778	0.338582222	0.331831111	0.365608889	0.351013333	0.373311111	0.358613333	0.389164444
341	12/5/2022	0.39512	0.3968	0.351653333	0.384724444	0.398933333	0.419866667	0.404048889	0.391946667
342	12/6/2022	0.311253333	0.312408889	0.312831111	0.31088	0.327528889	0.318457778	0.32868	0.29972
343	12/7/2022	0.248857778	0.268502222	0.265626667	0.243417778	0.259457778	0.246764444	0.245013333	0.240311111
344	12/8/2022	0.283391111	0.325013333	0.298266667	0.293582222	0.295351111	0.290026667	0.274128889	0.284684444
345	12/9/2022	0.297177778	0.307582222	0.305484444	0.298906667	0.287506667	0.309591111	0.300697778	0.300355556
346	12/10/2022	0.301364444	0.299706667	0.309284444	0.291346667	0.273173333	0.299355556	0.281377778	0.286182222
347	12/11/2022	0.28452	0.269311111	0.297431111	0.279911111	0.309537778	0.304573333	0.297915556	0.296422222
348	12/12/2022	0.299408889	0.3208	0.322448889	0.303155556	0.299733333	0.309582222	0.313057778	0.318306667
349	12/13/2022	0.330306667	0.333631111	0.370448889	0.352115556	0.362822222	0.361622222	0.37464	0.365617778
350	12/14/2022	0.343168889	0.344004444	0.32404	0.332617778	0.31984	0.306991111	0.30776	0.32772
351	12/15/2022	0.291546667	0.279084444	0.287306667	0.27516	0.272457778	0.263222222	0.267848889	0.281342222
352	12/16/2022	0.34084	0.327871111	0.324982222	0.342773333	0.345577778	0.342488889	0.329168889	0.324546667
353	12/17/2022	0.365782222	0.371511111	0.384053333	0.37856	0.378622222	0.386773333	0.385871111	0.375364444

	B	T	U	V	W	X	Y	Z	AA
2	measurement date	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545
322	11/16/2022	0.327382222	0.340111111	0.32976	0.325195556	0.353133333	0.32156	0.379542222	0.39792
323	11/17/2022	0.354631111	0.351555556	0.361257778	0.390777778	0.387444444	0.378888889	0.377595556	0.412226667
324	11/18/2022	0.404911111	0.373862222	0.393893333	0.383217778	0.400364444	0.417111111	0.403195556	0.420546667
325	11/19/2022	0.418391111	0.400866667	0.420746667	0.421	0.408848889	0.4824	0.422737778	0.427248889
326	11/20/2022	0.417137778	0.405062222	0.43472	0.448977778	0.451368889	0.458662222	0.44972	0.470413333
327	11/21/2022	0.432897778	0.443591111	0.431955556	0.450168889	0.415515556	0.442044444	0.441982222	0.467724444
328	11/22/2022	0.385986667	0.383213333	0.365448889	0.388306667	0.38732	0.391213333	0.406222222	0.425648889
329	11/23/2022	0.362826667	0.352337778	0.357226667	0.338284444	0.357333333	0.367102222	0.37292	0.385697778
330	11/24/2022	0.32832	0.341262222	0.3284	0.325768889	0.333053333	0.355822222	0.374324444	0.348377778
331	11/25/2022	0.252751111	0.23296	0.234635556	0.243857778	0.242893333	0.255355556	0.247635556	0.276195556
332	11/26/2022	0.334377778	0.321751111	0.327942222	0.338737778	0.359657778	0.376204444	0.339017778	0.369902222
333	11/27/2022	0.277031111	0.31076	0.275053333	0.284782222	0.299844444	0.275906667	0.286364444	0.294
334	11/28/2022	0.291484444	0.293226667	0.265048889	0.278755556	0.284142222	0.295648889	0.327124444	0.361582222
335	11/29/2022	0.277253333	0.277875556	0.287657778	0.302884444	0.294284444	0.319502222	0.354764444	0.339862222
336	11/30/2022	0.248906667	0.252662222	0.257737778	0.229097778	0.232511111	0.241115556	0.243546667	0.2818
337	12/1/2022	0.37104	0.395906667	0.379355556	0.411737778	0.425697778	0.426653333	0.406302222	0.44916
338	12/2/2022	0.388502222	0.387822222	0.404431111	0.415902222	0.40616	0.401626667	0.423524444	0.41556
339	12/3/2022	0.272124444	0.28564	0.285293333	0.26744	0.288324444	0.285337778	0.300044444	0.300204444
340	12/4/2022	0.377351111	0.386515556	0.353564444	0.377151111	0.355222222	0.41688	0.390404444	0.378235556
341	12/5/2022	0.37664	0.398777778	0.413835556	0.412604444	0.375777778	0.437524444	0.437737778	0.428044444
342	12/6/2022	0.297457778	0.282013333	0.288791111	0.312582222	0.31928	0.329284444	0.33388	0.350031111
343	12/7/2022	0.242426667	0.249844444	0.241991111	0.2504	0.248457778	0.259782222	0.281826667	0.301351111
344	12/8/2022	0.270426667	0.284426667	0.283284444	0.279266667	0.285888889	0.299404444	0.306151111	0.354862222
345	12/9/2022	0.319937778	0.301013333	0.300017778	0.313342222	0.320457778	0.319582222	0.341062222	0.342053333
346	12/10/2022	0.278315556	0.282297778	0.28528	0.299062222	0.288746667	0.300582222	0.306577778	0.333453333
347	12/11/2022	0.287266667	0.280444444	0.301968889	0.303466667	0.28204	0.30008	0.316044444	0.317862222
348	12/12/2022	0.346964444	0.310346667	0.325177778	0.307795556	0.334955556	0.345915556	0.349293333	0.399453333
349	12/13/2022	0.356528889	0.355151111	0.398382222	0.371435556	0.358275556	0.361857778	0.391964444	0.400133333
350	12/14/2022	0.322693333	0.366684444	0.341773333	0.313035556	0.319844444	0.368231111	0.393968889	0.378186667
351	12/15/2022	0.281248889	0.264213333	0.28352	0.296226667	0.290435556	0.293711111	0.300737778	0.333071111
352	12/16/2022	0.338097778	0.352142222	0.357817778	0.362191111	0.340195556	0.363644444	0.377204444	0.397195556
353	12/17/2022	0.376591111	0.363635556	0.366324444	0.377573333	0.361315556	0.379115556	0.386946667	0.39956

	B	AB	AC	AD	AE	AF	AG	AH	AI
2	measurement date	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730	D_0745
322	11/16/2022	0.401724444	0.458213333	0.417653333	0.433595556	0.420248889	0.42268	0.418168889	0.395262222
323	11/17/2022	0.419155556	0.434968889	0.437248889	0.447337778	0.45456	0.45	0.448413333	0.461617778
324	11/18/2022	0.440133333	0.477844444	0.465382222	0.492582222	0.487822222	0.476706667	0.47788	0.456244444
325	11/19/2022	0.427497778	0.472951111	0.503137778	0.471573333	0.472755556	0.509342222	0.48992	0.469973333
326	11/20/2022	0.4346	0.446257778	0.46128	0.46636	0.470937778	0.495808889	0.49836	0.470475556
327	11/21/2022	0.483675556	0.533355556	0.555568889	0.558706667	0.557577778	0.519026667	0.520235556	0.50756
328	11/22/2022	0.43988	0.474151111	0.46012	0.495791111	0.489448889	0.459404444	0.485235556	0.449897778
329	11/23/2022	0.385706667	0.414022222	0.436608889	0.444435556	0.44312	0.419697778	0.450906667	0.41364
330	11/24/2022	0.383604444	0.34472	0.381195556	0.41932	0.406231111	0.432604444	0.440657778	0.442048889
331	11/25/2022	0.266511111	0.261817778	0.285688889	0.283533333	0.30412	0.286555556	0.296102222	0.293146667
332	11/26/2022	0.354791111	0.382417778	0.37184	0.382435556	0.387342222	0.390742222	0.393	0.42308
333	11/27/2022	0.26712	0.281751111	0.311146667	0.323257778	0.319551111	0.324773333	0.300795556	0.33892
334	11/28/2022	0.344968889	0.379475556	0.402928889	0.395271111	0.401648889	0.39976	0.385391111	0.404266667
335	11/29/2022	0.326506667	0.38784	0.381844444	0.376666667	0.431435556	0.427333333	0.382537778	0.385537778
336	11/30/2022	0.294022222	0.33048	0.360706667	0.347751111	0.413204444	0.398493333	0.368955556	0.373453333
337	12/1/2022	0.411217778	0.447626667	0.518444444	0.531644444	0.552013333	0.535186667	0.491244444	0.460968889
338	12/2/2022	0.42652	0.475835556	0.426008889	0.441137778	0.4844	0.492982222	0.480191111	0.464671111
339	12/3/2022	0.286311111	0.293075556	0.316342222	0.30592	0.3142	0.313973333	0.321675556	0.33076
340	12/4/2022	0.385555556	0.423275556	0.422484444	0.460484444	0.454844444	0.433586667	0.450862222	0.436497778
341	12/5/2022	0.48808	0.471502222	0.516906667	0.541946667	0.566831111	0.54228	0.518595556	0.509524444
342	12/6/2022	0.362817778	0.387391111	0.426164444	0.409404444	0.407044444	0.403835556	0.394786667	0.410124444
343	12/7/2022	0.30556	0.349453333	0.348031111	0.363582222	0.39004	0.372426667	0.344777778	0.368453333
344	12/8/2022	0.359102222	0.370733333	0.37468	0.415542222	0.45968	0.409475556	0.37976	0.400066667
345	12/9/2022	0.361831111	0.427755556	0.421991111	0.422506667	0.435026667	0.416017778	0.417626667	0.436044444
346	12/10/2022	0.329831111	0.356066667	0.340395556	0.337986667	0.358462222	0.363777778	0.383342222	0.380142222
347	12/11/2022	0.304306667	0.331355556	0.328111111	0.359626667	0.351875556	0.335871111	0.375382222	0.379671111
348	12/12/2022	0.37312	0.410146667	0.421253333	0.440382222	0.4328	0.418151111	0.440902222	0.422675556
349	12/13/2022	0.407773333	0.461466667	0.510444444	0.473973333	0.474662222	0.475733333	0.4484	0.449848889
350	12/14/2022	0.394702222	0.418568889	0.4218	0.44996	0.457044444	0.439462222	0.421946667	0.426888889
351	12/15/2022	0.364155556	0.3888	0.406524444	0.390737778	0.382604444	0.394182222	0.380542222	0.359257778
352	12/16/2022	0.408288889	0.451302222	0.458204444	0.434284444	0.454333333	0.445457778	0.463088889	0.47496
353	12/17/2022	0.400484444	0.391737778	0.405053333	0.407506667	0.423057778	0.448533333	0.438671111	0.444048889

	B	AJ	AK	AL	AM	AN	AO	AP	AQ
2	measurement date	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945
322	11/16/2022	0.408457778	0.419186667	0.362817778	0.374653333	0.428888889	0.409617778	0.370928889	0.374315556
323	11/17/2022	0.473164444	0.436728889	0.394204444	0.38228	0.381542222	0.357266667	0.342715556	0.327195556
324	11/18/2022	0.422271111	0.426306667	0.404182222	0.356177778	0.360115556	0.295826667	0.263866667	0.217395556
325	11/19/2022	0.434555556	0.439684444	0.372924444	0.340466667	0.306488889	0.260364444	0.223444444	0.238453333
326	11/20/2022	0.491244444	0.440826667	0.384604444	0.379906667	0.304373333	0.260915556	0.199893333	0.172773333
327	11/21/2022	0.453737778	0.433995556	0.377986667	0.361062222	0.290333333	0.246955556	0.202995556	0.193911111
328	11/22/2022	0.460808889	0.4016	0.33056	0.287595556	0.208968889	0.197617778	0.209488889	0.157666667
329	11/23/2022	0.419217778	0.376417778	0.371786667	0.279733333	0.225537778	0.195626667	0.181911111	0.149586667
330	11/24/2022	0.3966	0.3824	0.338817778	0.289262222	0.264791111	0.237928889	0.220088889	0.157097778
331	11/25/2022	0.330768889	0.307413333	0.324137778	0.283555556	0.250128889	0.215751111	0.215044444	0.232551111
332	11/26/2022	0.425653333	0.381591111	0.339742222	0.30392	0.259693333	0.229453333	0.188262222	0.155853333
333	11/27/2022	0.311164444	0.328875556	0.297617778	0.337617778	0.325253333	0.317822222	0.313613333	0.288293333
334	11/28/2022	0.39304	0.390346667	0.361031111	0.367995556	0.403497778	0.358373333	0.357724444	0.324888889
335	11/29/2022	0.363364444	0.382737778	0.344266667	0.328253333	0.279564444	0.228911111	0.190053333	0.161235556
336	11/30/2022	0.386408889	0.371675556	0.296826667	0.250235556	0.257115556	0.205893333	0.201257778	0.166328889
337	12/1/2022	0.525248889	0.437346667	0.38052	0.386702222	0.314133333	0.235551111	0.198213333	0.156995556
338	12/2/2022	0.450102222	0.436026667	0.444875556	0.415777778	0.369311111	0.334328889	0.337653333	0.340724444
339	12/3/2022	0.335213333	0.314142222	0.309968889	0.314075556	0.324995556	0.328168889	0.330648889	0.307155556
340	12/4/2022	0.446937778	0.440693333	0.366342222	0.399462222	0.390235556	0.365368889	0.311782222	0.233537778
341	12/5/2022	0.49264	0.462422222	0.431946667	0.377462222	0.319942222	0.292866667	0.258124444	0.230937778
342	12/6/2022	0.394595556	0.382746667	0.376497778	0.362342222	0.36016	0.369986667	0.310657778	0.306297778
343	12/7/2022	0.33724	0.309453333	0.288391111	0.272875556	0.286848889	0.295408889	0.284506667	0.275484444
344	12/8/2022	0.391288889	0.371537778	0.360457778	0.381702222	0.365613333	0.386902222	0.362568889	0.361111111
345	12/9/2022	0.413346667	0.400746667	0.382351111	0.345333333	0.341906667	0.278657778	0.258435556	0.203386667
346	12/10/2022	0.385204444	0.358866667	0.383071111	0.3644	0.343186667	0.349564444	0.387404444	0.366524444
347	12/11/2022	0.376711111	0.361577778	0.363857778	0.370248889	0.399537778	0.34916	0.335417778	0.307151111
348	12/12/2022	0.432022222	0.414346667	0.409826667	0.408542222	0.396053333	0.342111111	0.33504	0.302617778
349	12/13/2022	0.440466667	0.427128889	0.360448889	0.336404444	0.322644444	0.282773333	0.236142222	0.203191111
350	12/14/2022	0.444608889	0.404875556	0.412386667	0.426915556	0.377791111	0.39644	0.364062222	0.363102222
351	12/15/2022	0.391186667	0.35416	0.301777778	0.293022222	0.258408889	0.261462222	0.324893333	0.303822222
352	12/16/2022	0.445693333	0.433546667	0.377493333	0.374208889	0.313231111	0.237208889	0.192755556	0.18056
353	12/17/2022	0.473737778	0.482275556	0.49172	0.505591111	0.420377778	0.381786667	0.349773333	0.361711111

	B	AR	AS	AT	AU	AV	AW	AX	AY
2	measurement date	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
322	11/16/2022	0.383453333	0.356706667	0.369488889	0.385364444	0.399582222	0.380817778	0.327373333	0.320182222
323	11/17/2022	0.337573333	0.337328889	0.325017778	0.318626667	0.332897778	0.326453333	0.303097778	0.311471111
324	11/18/2022	0.157631111	0.163617778	0.148777778	0.131448889	0.112728889	0.137777778	0.130751111	0.103048889
325	11/19/2022	0.189275556	0.177813333	0.164617778	0.137404444	0.1346	0.136586667	0.128542222	0.117724444
326	11/20/2022	0.166866667	0.150062222	0.185142222	0.138631111	0.172328889	0.154364444	0.12808	0.124133333
327	11/21/2022	0.160342222	0.119586667	0.107724444	0.112871111	0.101946667	0.084533333	0.087711111	0.080217778
328	11/22/2022	0.139088889	0.130342222	0.121964444	0.106897778	0.094795556	0.103257778	0.084324444	0.075942222
329	11/23/2022	0.143871111	0.129826667	0.118844444	0.124217778	0.111182222	0.098768889	0.086853333	0.091302222
330	11/24/2022	0.170822222	0.14108	0.149262222	0.110591111	0.118764444	0.104364444	0.090102222	0.103404444
331	11/25/2022	0.258653333	0.205048889	0.190533333	0.195817778	0.173182222	0.164315556	0.146724444	0.12808
332	11/26/2022	0.187546667	0.159044444	0.126368889	0.096053333	0.088871111	0.088955556	0.093168889	0.093435556
333	11/27/2022	0.248248889	0.160742222	0.165453333	0.185053333	0.17456	0.152817778	0.251626667	0.175573333
334	11/28/2022	0.295702222	0.259622222	0.260035556	0.246657778	0.276866667	0.262271111	0.242835556	0.240404444
335	11/29/2022	0.149808889	0.110715556	0.138835556	0.078955556	0.088417778	0.064115556	0.049942222	0.048071111
336	11/30/2022	0.120355556	0.09172	0.100933333	0.05924	0.068297778	0.06268	0.069715556	0.062062222
337	12/1/2022	0.168871111	0.127155556	0.108586667	0.085342222	0.093751111	0.077124444	0.096133333	0.098462222
338	12/2/2022	0.286955556	0.239928889	0.276897778	0.278351111	0.297955556	0.194888889	0.167688889	0.215688889
339	12/3/2022	0.262617778	0.120382222	0.10856	0.09512	0.089	0.086457778	0.083693333	0.080844444
340	12/4/2022	0.174848889	0.177946667	0.130364444	0.11956	0.109533333	0.119426667	0.122222222	0.119333333
341	12/5/2022	0.175657778	0.1104	0.152728889	0.149288889	0.132457778	0.119871111	0.153408889	0.169457778
342	12/6/2022	0.282942222	0.291688889	0.300604444	0.271697778	0.251453333	0.232155556	0.26204	0.271128889
343	12/7/2022	0.248977778	0.214715556	0.213448889	0.259204444	0.255182222	0.25788	0.229062222	0.213808889
344	12/8/2022	0.347906667	0.323724444	0.335937778	0.307306667	0.288911111	0.290626667	0.277577778	0.291213333
345	12/9/2022	0.201088889	0.131266667	0.098844444	0.090688889	0.084964444	0.108066667	0.158991111	0.192626667
346	12/10/2022	0.348426667	0.345577778	0.313173333	0.287106667	0.289204444	0.2778	0.246471111	0.215822222
347	12/11/2022	0.27568	0.260226667	0.247177778	0.230666667	0.267826667	0.243253333	0.239213333	0.243444444
348	12/12/2022	0.269955556	0.210457778	0.206044444	0.198306667	0.198528889	0.22212	0.22096	0.191546667
349	12/13/2022	0.142866667	0.14496	0.151684444	0.119097778	0.133893333	0.112635556	0.089933333	0.096146667
350	12/14/2022	0.380777778	0.370306667	0.322124444	0.346902222	0.349177778	0.312164444	0.327506667	0.327822222
351	12/15/2022	0.323235556	0.298115556	0.245688889	0.183684444	0.156146667	0.196257778	0.20684	0.189328889
352	12/16/2022	0.189564444	0.180031111	0.142035556	0.102453333	0.110182222	0.108115556	0.122084444	0.110382222
353	12/17/2022	0.34792	0.364977778	0.398275556	0.389515556	0.376506667	0.355675556	0.329991111	0.32672

	B	AZ	BA	BB	BC	BD	BE	BF	BG
2	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345
322	11/16/2022	0.287862222	0.297542222	0.33672	0.331666667	0.296613333	0.312075556	0.312631111	0.28636
323	11/17/2022	0.277333333	0.306968889	0.283511111	0.286355556	0.294875556	0.318835556	0.269537778	0.268022222
324	11/18/2022	0.100044444	0.106755556	0.08996	0.08384	0.085404444	0.09492	0.094822222	0.091297778
325	11/19/2022	0.111577778	0.115106667	0.098271111	0.104248889	0.117111111	0.12816	0.123311111	0.117244444
326	11/20/2022	0.106444444	0.108395556	0.088968889	0.100315556	0.128044444	0.104884444	0.106093333	0.094222222
327	11/21/2022	0.085768889	0.069786667	0.0828	0.089911111	0.066435556	0.079537778	0.069195556	0.068253333
328	11/22/2022	0.06536	0.069631111	0.075951111	0.055177778	0.05948	0.046346667	0.056702222	0.055453333
329	11/23/2022	0.095457778	0.088666667	0.09512	0.072475556	0.073773333	0.06332	0.067964444	0.068244444
330	11/24/2022	0.12084	0.099631111	0.094275556	0.105408889	0.117182222	0.114617778	0.149275556	0.145755556
331	11/25/2022	0.105795556	0.099502222	0.078911111	0.079337778	0.074008889	0.077026667	0.071888889	0.068106667
332	11/26/2022	0.087013333	0.093835556	0.076142222	0.062573333	0.075435556	0.072351111	0.065213333	0.074151111
333	11/27/2022	0.142804444	0.245831111	0.197991111	0.16	0.178391111	0.157391111	0.176595556	0.212408889
334	11/28/2022	0.245688889	0.242315556	0.254453333	0.248795556	0.281964444	0.282062222	0.289013333	0.286853333
335	11/29/2022	0.047306667	0.072431111	0.062871111	0.045928889	0.046248889	0.054746667	0.060964444	0.062337778
336	11/30/2022	0.067795556	0.065368889	0.055915556	0.042	0.05116	0.055408889	0.063364444	0.070386667
337	12/1/2022	0.116106667	0.137755556	0.143208889	0.129435556	0.135724444	0.133524444	0.122391111	0.110786667
338	12/2/2022	0.280893333	0.238102222	0.222386667	0.215471111	0.26164	0.211786667	0.146764444	0.144591111
339	12/3/2022	0.067813333	0.077413333	0.063146667	0.061942222	0.054004444	0.057955556	0.068933333	0.088973333
340	12/4/2022	0.102866667	0.11804	0.102315556	0.072644444	0.086453333	0.09064	0.094973333	0.099026667
341	12/5/2022	0.147297778	0.131022222	0.125164444	0.109115556	0.119586667	0.134177778	0.132764444	0.158804444
342	12/6/2022	0.257524444	0.257715556	0.232035556	0.213128889	0.247133333	0.207804444	0.223826667	0.233675556
343	12/7/2022	0.216151111	0.231302222	0.229924444	0.235635556	0.260137778	0.236506667	0.230906667	0.242333333
344	12/8/2022	0.292044444	0.255906667	0.257226667	0.27284	0.277186667	0.295688889	0.30052	0.316426667
345	12/9/2022	0.19324	0.160408889	0.155115556	0.138008889	0.12028	0.164862222	0.189382222	0.17996
346	12/10/2022	0.188097778	0.15948	0.210671111	0.215795556	0.231457778	0.229937778	0.239973333	0.250728889
347	12/11/2022	0.257306667	0.25664	0.262466667	0.24364	0.221888889	0.223786667	0.226253333	0.253697778
348	12/12/2022	0.200715556	0.225826667	0.232808889	0.200151111	0.169284444	0.153302222	0.12476	0.135822222
349	12/13/2022	0.088626667	0.08176	0.086466667	0.069857778	0.056271111	0.072817778	0.070208889	0.081191111
350	12/14/2022	0.28428	0.320515556	0.317275556	0.308364444	0.285804444	0.277048889	0.289631111	0.314248889
351	12/15/2022	0.160524444	0.194151111	0.238008889	0.259315556	0.267431111	0.214911111	0.143631111	0.136048889
352	12/16/2022	0.104635556	0.097213333	0.084626667	0.068488889	0.075217778	0.097986667	0.103195556	0.119351111
353	12/17/2022	0.345644444	0.330755556	0.337648889	0.327697778	0.333928889	0.342106667	0.399364444	0.427137778

	B	BH	BI	BJ	BK	BL	BM	BN	BO
2	measurement date	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545
322	11/16/2022	0.306782222	0.313062222	0.333506667	0.357888889	0.372053333	0.4002	0.40484	0.370684444
323	11/17/2022	0.287253333	0.268684444	0.310071111	0.334728889	0.35372	0.381017778	0.38816	0.406542222
324	11/18/2022	0.106248889	0.110924444	0.129022222	0.150013333	0.156173333	0.1594	0.182577778	0.231977778
325	11/19/2022	0.107111111	0.12228	0.131773333	0.14284	0.154666667	0.170506667	0.184991111	0.211022222
326	11/20/2022	0.121724444	0.14088	0.148866667	0.152822222	0.162328889	0.187306667	0.211422222	0.237564444
327	11/21/2022	0.088408889	0.089128889	0.094653333	0.100977778	0.125008889	0.149848889	0.194137778	0.197671111
328	11/22/2022	0.066008889	0.063808889	0.070226667	0.086102222	0.104328889	0.095693333	0.093328889	0.120942222
329	11/23/2022	0.081391111	0.085342222	0.096502222	0.083688889	0.094422222	0.129542222	0.128502222	0.14448
330	11/24/2022	0.162768889	0.161657778	0.148031111	0.136444444	0.175293333	0.212915556	0.214893333	0.234075556
331	11/25/2022	0.064497778	0.064688889	0.05224	0.073035556	0.084715556	0.099164444	0.133257778	0.125622222
332	11/26/2022	0.113097778	0.113062222	0.123888889	0.119933333	0.1364	0.154937778	0.16856	0.217844444
333	11/27/2022	0.250915556	0.233084444	0.245577778	0.293466667	0.344395556	0.333124444	0.338084444	0.356035556
334	11/28/2022	0.29212	0.285035556	0.295822222	0.29672	0.284266667	0.322591111	0.351262222	0.352635556
335	11/29/2022	0.091835556	0.152422222	0.137337778	0.146635556	0.13864	0.152742222	0.168417778	0.219008889
336	11/30/2022	0.072777778	0.068697778	0.091666667	0.097164444	0.1292	0.121364444	0.14948	0.158186667
337	12/1/2022	0.109937778	0.153088889	0.175866667	0.16904	0.175017778	0.214706667	0.241555556	0.227048889
338	12/2/2022	0.131644444	0.147475556	0.109128889	0.125484444	0.11832	0.12268	0.184186667	0.24316
339	12/3/2022	0.092315556	0.097786667	0.098395556	0.085351111	0.090226667	0.1056	0.117031111	0.181884444
340	12/4/2022	0.094964444	0.110271111	0.138306667	0.13812	0.157808889	0.184377778	0.181946667	0.226226667
341	12/5/2022	0.179093333	0.193	0.235493333	0.256182222	0.308813333	0.343266667	0.366937778	0.356808889
342	12/6/2022	0.253431111	0.213288889	0.237808889	0.261511111	0.235471111	0.272986667	0.307964444	0.328648889
343	12/7/2022	0.22796	0.235293333	0.236502222	0.236235556	0.255653333	0.313893333	0.318	0.328817778
344	12/8/2022	0.311151111	0.32504	0.341186667	0.355102222	0.373946667	0.390764444	0.394417778	0.406151111
345	12/9/2022	0.15068	0.210533333	0.255271111	0.276737778	0.261151111	0.241622222	0.278337778	0.341822222
346	12/10/2022	0.263017778	0.241906667	0.258755556	0.315755556	0.371817778	0.37328	0.391062222	0.387093333
347	12/11/2022	0.265875556	0.227444444	0.23896	0.301102222	0.309648889	0.313471111	0.310031111	0.333302222
348	12/12/2022	0.100724444	0.109311111	0.12596	0.119888889	0.1776	0.203182222	0.204413333	0.245235556
349	12/13/2022	0.097711111	0.115857778	0.174666667	0.172742222	0.175271111	0.161288889	0.157346667	0.193351111
350	12/14/2022	0.333782222	0.359284444	0.337431111	0.328346667	0.375693333	0.361208889	0.387231111	0.376808889
351	12/15/2022	0.182862222	0.137022222	0.126946667	0.151391111	0.148022222	0.132813333	0.1444	0.184502222
352	12/16/2022	0.136355556	0.159013333	0.175346667	0.135586667	0.182266667	0.174528889	0.201631111	0.219057778
353	12/17/2022	0.436853333	0.430262222	0.433568889	0.43656	0.430608889	0.398902222	0.413768889	0.414893333

	B	BP	BQ	BR	BS	BT	BU	BV	BW
2	measurement date	D_1600	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745
322	11/16/2022	0.381577778	0.353151111	0.375568889	0.433684444	0.451351111	0.461906667	0.505128889	0.513702222
323	11/17/2022	0.384835556	0.414453333	0.446795556	0.466102222	0.464795556	0.494377778	0.547564444	0.556657778
324	11/18/2022	0.253133333	0.2888	0.317217778	0.333635556	0.373564444	0.45696	0.469195556	0.468471111
325	11/19/2022	0.243653333	0.285013333	0.355226667	0.43652	0.44908	0.461404444	0.53316	0.513337778
326	11/20/2022	0.283706667	0.307324444	0.305275556	0.344911111	0.405013333	0.467617778	0.515653333	0.522511111
327	11/21/2022	0.212546667	0.251497778	0.276204444	0.3224	0.346688889	0.418551111	0.469546667	0.504177778
328	11/22/2022	0.139311111	0.193973333	0.22704	0.304684444	0.334693333	0.3884	0.423684444	0.457191111
329	11/23/2022	0.186768889	0.222444444	0.276128889	0.286026667	0.334395556	0.366315556	0.393617778	0.394764444
330	11/24/2022	0.209368889	0.228711111	0.2812	0.297817778	0.304151111	0.311613333	0.330035556	0.320124444
331	11/25/2022	0.148013333	0.175026667	0.186564444	0.235835556	0.254244444	0.299231111	0.380764444	0.365266667
332	11/26/2022	0.255022222	0.280555556	0.283675556	0.306942222	0.379711111	0.407275556	0.394546667	0.41096
333	11/27/2022	0.365235556	0.386897778	0.405342222	0.394595556	0.419848889	0.44736	0.48408	0.485537778
334	11/28/2022	0.367893333	0.377746667	0.414497778	0.431804444	0.452946667	0.459128889	0.485853333	0.509013333
335	11/29/2022	0.23136	0.228417778	0.248315556	0.320808889	0.354737778	0.344053333	0.39796	0.412257778
336	11/30/2022	0.195266667	0.24704	0.307111111	0.328848889	0.399044444	0.464835556	0.503133333	0.542097778
337	12/1/2022	0.252235556	0.247991111	0.283991111	0.315022222	0.40376	0.469773333	0.489928889	0.553186667
338	12/2/2022	0.27232	0.30072	0.360097778	0.37604	0.3834	0.435457778	0.428466667	0.421408889
339	12/3/2022	0.217368889	0.239133333	0.26848	0.297377778	0.324026667	0.378075556	0.438191111	0.444826667
340	12/4/2022	0.243875556	0.295648889	0.359004444	0.413133333	0.431977778	0.502866667	0.493146667	0.505164444
341	12/5/2022	0.372586667	0.41992	0.413248889	0.458226667	0.449684444	0.443368889	0.492008889	0.514022222
342	12/6/2022	0.335302222	0.372657778	0.419008889	0.417728889	0.418102222	0.432555556	0.429013333	0.45204
343	12/7/2022	0.354711111	0.361124444	0.367151111	0.389977778	0.437608889	0.450502222	0.444408889	0.435471111
344	12/8/2022	0.407222222	0.388075556	0.388653333	0.41708	0.402746667	0.430031111	0.446324444	0.457337778
345	12/9/2022	0.336671111	0.343328889	0.364826667	0.407604444	0.443062222	0.410017778	0.420822222	0.426337778
346	12/10/2022	0.384217778	0.414857778	0.447048889	0.466613333	0.484586667	0.475208889	0.457288889	0.471906667
347	12/11/2022	0.311377778	0.351462222	0.381093333	0.426662222	0.459262222	0.486391111	0.515777778	0.572546667
348	12/12/2022	0.281804444	0.320351111	0.321831111	0.368115556	0.408271111	0.450853333	0.533693333	0.523786667
349	12/13/2022	0.237555556	0.272733333	0.286648889	0.34952	0.408653333	0.432066667	0.487248889	0.524462222
350	12/14/2022	0.39376	0.394248889	0.408333333	0.414337778	0.419848889	0.459946667	0.469253333	0.457208889
351	12/15/2022	0.201173333	0.230084444	0.289706667	0.326062222	0.362528889	0.420475556	0.443648889	0.463955556
352	12/16/2022	0.278515556	0.34764	0.380253333	0.423728889	0.459364444	0.516648889	0.541155556	0.542448889
353	12/17/2022	0.445706667	0.469008889	0.480124444	0.511262222	0.512004444	0.533151111	0.527026667	0.553404444

	B	BX	BY	BZ	CA	CB	CC	CD	CE
2	measurement date	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945
322	11/16/2022	0.522822222	0.502946667	0.532391111	0.545111111	0.550133333	0.541591111	0.489026667	0.518946667
323	11/17/2022	0.547986667	0.577066667	0.595777778	0.616471111	0.587613333	0.552968889	0.526666667	0.572791111
324	11/18/2022	0.473888889	0.533457778	0.542297778	0.552644444	0.542773333	0.488551111	0.482853333	0.514222222
325	11/19/2022	0.577817778	0.538351111	0.502617778	0.526244444	0.546026667	0.537586667	0.55672	0.552728889
326	11/20/2022	0.54928	0.561226667	0.573502222	0.568657778	0.592484444	0.580817778	0.598071111	0.584542222
327	11/21/2022	0.520115556	0.499906667	0.502746667	0.490782222	0.539644444	0.487644444	0.487031111	0.515355556
328	11/22/2022	0.445071111	0.448608889	0.484586667	0.455715556	0.442271111	0.467493333	0.476875556	0.476231111
329	11/23/2022	0.417844444	0.412391111	0.458004444	0.441511111	0.449071111	0.452124444	0.450773333	0.433222222
330	11/24/2022	0.331026667	0.334693333	0.330817778	0.35536	0.351164444	0.358506667	0.33352	0.346044444
331	11/25/2022	0.381613333	0.392053333	0.386933333	0.401995556	0.393164444	0.402528889	0.400684444	0.391444444
332	11/26/2022	0.405653333	0.394564444	0.383026667	0.395328889	0.403608889	0.414857778	0.39156	0.409488889
333	11/27/2022	0.492244444	0.482204444	0.496933333	0.534004444	0.572546667	0.505364444	0.483457778	0.519746667
334	11/28/2022	0.501053333	0.486453333	0.480391111	0.462102222	0.478742222	0.481577778	0.487728889	0.493755556
335	11/29/2022	0.405782222	0.424835556	0.432075556	0.415386667	0.411013333	0.415857778	0.415311111	0.446377778
336	11/30/2022	0.533773333	0.564386667	0.521044444	0.550302222	0.5304	0.532506667	0.544946667	0.521133333
337	12/1/2022	0.526773333	0.516853333	0.528853333	0.523711111	0.55924	0.545902222	0.510853333	0.515022222
338	12/2/2022	0.450084444	0.442671111	0.433564444	0.435568889	0.430591111	0.423666667	0.406208889	0.425311111
339	12/3/2022	0.425155556	0.422484444	0.403742222	0.417044444	0.435951111	0.45452	0.463928889	0.46128
340	12/4/2022	0.502368889	0.58228	0.577702222	0.541786667	0.567088889	0.538262222	0.573413333	0.575746667
341	12/5/2022	0.518017778	0.550102222	0.51168	0.502337778	0.507106667	0.527626667	0.527177778	0.540706667
342	12/6/2022	0.461973333	0.484386667	0.443368889	0.460928889	0.46388	0.439666667	0.460742222	0.469653333
343	12/7/2022	0.437635556	0.429648889	0.464346667	0.4426	0.422444444	0.409457778	0.445608889	0.457351111
344	12/8/2022	0.446235556	0.486448889	0.485515556	0.501835556	0.478151111	0.481315556	0.508222222	0.473751111
345	12/9/2022	0.433066667	0.450324444	0.448155556	0.419328889	0.427884444	0.446671111	0.459515556	0.486004444
346	12/10/2022	0.463977778	0.481626667	0.479702222	0.445288889	0.459075556	0.456448889	0.442422222	0.438173333
347	12/11/2022	0.562733333	0.553204444	0.568533333	0.543662222	0.522302222	0.55348	0.546271111	0.538137778
348	12/12/2022	0.570817778	0.527804444	0.528728889	0.528137778	0.514084444	0.534364444	0.501582222	0.520991111
349	12/13/2022	0.512	0.506475556	0.493791111	0.530342222	0.522066667	0.523813333	0.521866667	0.490555556
350	12/14/2022	0.473328889	0.494088889	0.488262222	0.500568889	0.491564444	0.499977778	0.497266667	0.537551111
351	12/15/2022	0.480764444	0.474257778	0.481262222	0.490764444	0.47568	0.485315556	0.518053333	0.515422222
352	12/16/2022	0.556075556	0.568706667	0.55668	0.598382222	0.604208889	0.52872	0.533511111	0.559768889
353	12/17/2022	0.576213333	0.589946667	0.563262222	0.54224	0.539995556	0.521906667	0.55408	0.553857778

	B	CF	CG	CH	CI	CJ	CK	CL	CM
2	measurement date	D_2000	D_2015	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145
322	11/16/2022	0.557582222	0.503271111	0.507826667	0.515133333	0.503097778	0.492324444	0.511515556	0.489662222
323	11/17/2022	0.581728889	0.579897778	0.544968889	0.557857778	0.579888889	0.61256	0.578471111	0.571742222
324	11/18/2022	0.54264	0.527417778	0.528764444	0.540324444	0.536853333	0.517684444	0.497257778	0.495017778
325	11/19/2022	0.544346667	0.558035556	0.545288889	0.549728889	0.535715556	0.537124444	0.536653333	0.497106667
326	11/20/2022	0.582093333	0.606537778	0.586488889	0.603453333	0.611426667	0.583862222	0.58996	0.5612
327	11/21/2022	0.51128	0.556244444	0.515742222	0.548373333	0.533537778	0.540533333	0.54204	0.50532
328	11/22/2022	0.472035556	0.485817778	0.449826667	0.446684444	0.458897778	0.437391111	0.433231111	0.476848889
329	11/23/2022	0.42548	0.458964444	0.420697778	0.411568889	0.409466667	0.416631111	0.431022222	0.408777778
330	11/24/2022	0.325506667	0.335706667	0.331031111	0.33716	0.360808889	0.352595556	0.317422222	0.293782222
331	11/25/2022	0.388177778	0.402977778	0.393226667	0.397244444	0.392462222	0.375111111	0.367017778	0.359617778
332	11/26/2022	0.410893333	0.418351111	0.42668	0.41892	0.431715556	0.413471111	0.376466667	0.343613333
333	11/27/2022	0.519453333	0.491622222	0.4596	0.463871111	0.468671111	0.46172	0.426293333	0.451493333
334	11/28/2022	0.463066667	0.487506667	0.500351111	0.48192	0.511986667	0.531084444	0.488688889	0.440564444
335	11/29/2022	0.441204444	0.410457778	0.38476	0.38844	0.39296	0.386755556	0.387182222	0.37424
336	11/30/2022	0.532564444	0.515351111	0.554217778	0.530266667	0.544231111	0.533906667	0.529208889	0.543
337	12/1/2022	0.53768	0.517755556	0.503853333	0.48496	0.501488889	0.533977778	0.53592	0.485008889
338	12/2/2022	0.415813333	0.460324444	0.438657778	0.458915556	0.423257778	0.409391111	0.3962	0.38604
339	12/3/2022	0.466835556	0.460715556	0.443902222	0.458137778	0.473142222	0.52212	0.498062222	0.495093333
340	12/4/2022	0.594306667	0.604951111	0.60348	0.560946667	0.584844444	0.557991111	0.572924444	0.530155556
341	12/5/2022	0.580346667	0.552111111	0.543177778	0.545551111	0.521808889	0.542835556	0.505804444	0.48304
342	12/6/2022	0.442835556	0.432235556	0.44876	0.438231111	0.425933333	0.424373333	0.449853333	0.440191111
343	12/7/2022	0.474693333	0.442128889	0.43404	0.442333333	0.437302222	0.463586667	0.460382222	0.404648889
344	12/8/2022	0.491804444	0.48296	0.479368889	0.504155556	0.474368889	0.465742222	0.45552	0.502408889
345	12/9/2022	0.445568889	0.432973333	0.440355556	0.437791111	0.421448889	0.424764444	0.411031111	0.411208889
346	12/10/2022	0.427484444	0.43716	0.432071111	0.433484444	0.438026667	0.421408889	0.431284444	0.439408889
347	12/11/2022	0.537044444	0.556311111	0.565973333	0.559368889	0.533648889	0.523137778	0.527697778	0.505946667
348	12/12/2022	0.524973333	0.533488889	0.534791111	0.545942222	0.530582222	0.522444444	0.554537778	0.517884444
349	12/13/2022	0.514333333	0.554573333	0.557537778	0.528475556	0.514435556	0.509373333	0.513097778	0.509853333
350	12/14/2022	0.533111111	0.533511111	0.513186667	0.499764444	0.51896	0.518262222	0.5044	0.508155556
351	12/15/2022	0.526813333	0.525022222	0.545324444	0.534608889	0.537786667	0.540768889	0.513977778	0.481728889
352	12/16/2022	0.538453333	0.513102222	0.512164444	0.515786667	0.515666667	0.518395556	0.533057778	0.532253333
353	12/17/2022	0.573071111	0.564364444	0.574973333	0.580008889	0.582564444	0.570031111	0.542302222	0.525297778

	B	CN	CO	CP	CQ	CR	CS	CT	CU
2	measurement date	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345
322	11/16/2022	0.459204444	0.429364444	0.435128889	0.457804444	0.421426667	0.397417778	0.405573333	0.392937778
323	11/17/2022	0.516128889	0.466373333	0.480475556	0.507022222	0.474964444	0.480902222	0.458982222	0.464404444
324	11/18/2022	0.509444444	0.476213333	0.471048889	0.463333333	0.46752	0.432493333	0.452706667	0.434386667
325	11/19/2022	0.489848889	0.491284444	0.505177778	0.479786667	0.477493333	0.484728889	0.482986667	0.469262222
326	11/20/2022	0.550373333	0.500893333	0.524124444	0.462306667	0.495213333	0.46376	0.452364444	0.44184
327	11/21/2022	0.496977778	0.519075556	0.460173333	0.442635556	0.440755556	0.451608889	0.433311111	0.4088
328	11/22/2022	0.473786667	0.437128889	0.425155556	0.406231111	0.384497778	0.369364444	0.370404444	0.362422222
329	11/23/2022	0.391315556	0.383511111	0.360186667	0.380506667	0.369435556	0.360666667	0.366204444	0.352382222
330	11/24/2022	0.315262222	0.318191111	0.328368889	0.315222222	0.309977778	0.285302222	0.275093333	0.28344
331	11/25/2022	0.36968	0.379786667	0.37476	0.384848889	0.394977778	0.358635556	0.337795556	0.323937778
332	11/26/2022	0.352613333	0.360404444	0.373386667	0.35024	0.36268	0.327106667	0.297506667	0.326404444
333	11/27/2022	0.437688889	0.435995556	0.424804444	0.410097778	0.391808889	0.343448889	0.32856	0.328071111
334	11/28/2022	0.43376	0.414373333	0.409733333	0.37692	0.382582222	0.354604444	0.375297778	0.315973333
335	11/29/2022	0.36676	0.371253333	0.352222222	0.354266667	0.330151111	0.30496	0.308231111	0.291591111
336	11/30/2022	0.513022222	0.477457778	0.455577778	0.471857778	0.438662222	0.425831111	0.454293333	0.418222222
337	12/1/2022	0.52316	0.524111111	0.54396	0.504124444	0.488733333	0.453817778	0.443831111	0.422542222
338	12/2/2022	0.391657778	0.387284444	0.376666667	0.354408889	0.351804444	0.364742222	0.351657778	0.368817778
339	12/3/2022	0.495688889	0.472373333	0.457813333	0.440751111	0.432946667	0.418951111	0.39844	0.387324444
340	12/4/2022	0.527306667	0.527768889	0.499048889	0.490057778	0.458542222	0.453813333	0.468555556	0.43116
341	12/5/2022	0.474111111	0.443164444	0.435604444	0.446217778	0.435795556	0.43124	0.407333333	0.387648889
342	12/6/2022	0.421342222	0.402422222	0.388995556	0.357906667	0.344848889	0.341235556	0.309351111	0.275328889
343	12/7/2022	0.408031111	0.393293333	0.366795556	0.357417778	0.364382222	0.354382222	0.333404444	0.323062222
344	12/8/2022	0.460257778	0.454497778	0.441315556	0.430195556	0.418102222	0.362355556	0.360915556	0.354515556
345	12/9/2022	0.422431111	0.415817778	0.407982222	0.385808889	0.3556	0.357142222	0.404177778	0.365333333
346	12/10/2022	0.436177778	0.413862222	0.389604444	0.382115556	0.415693333	0.38108	0.383017778	0.346342222
347	12/11/2022	0.483151111	0.472044444	0.47496	0.447733333	0.434822222	0.418066667	0.395542222	0.379031111
348	12/12/2022	0.541013333	0.494071111	0.475	0.431075556	0.437697778	0.431902222	0.407355556	0.409057778
349	12/13/2022	0.481426667	0.446008889	0.428457778	0.435293333	0.413786667	0.418635556	0.407888889	0.369746667
350	12/14/2022	0.501097778	0.452728889	0.455568889	0.466515556	0.425657778	0.406848889	0.351137778	0.324946667
351	12/15/2022	0.491306667	0.473017778	0.433155556	0.466791111	0.438151111	0.442706667	0.418795556	0.411226667
352	12/16/2022	0.508924444	0.507022222	0.490231111	0.470031111	0.448586667	0.437862222	0.426902222	0.401902222
353	12/17/2022	0.528204444	0.542048889	0.558084444	0.549524444	0.503213333	0.469804444	0.467684444	0.453422222

	B	CV	CW	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB
2	measurement date	D_2400		1	2	3	4	5	6	7	8	9	10	11	12
322	11/16/2022	0.397497778		1.42	1.31	1.30	1.30	1.35	1.50	1.73	1.64	1.59	1.54	1.51	1.32
323	11/17/2022	0.449711111		1.54	1.50	1.47	1.43	1.49	1.59	1.77	1.83	1.59	1.36	1.31	1.22
324	11/18/2022	0.441008889		1.68	1.59	1.60	1.54	1.55	1.68	1.92	1.83	1.55	0.93	0.56	0.47
325	11/19/2022	0.489315556		1.72	1.72	1.70	1.71	1.65	1.76	1.92	1.90	1.46	0.91	0.61	0.49
326	11/20/2022	0.437142222		1.80	1.71	1.70	1.68	1.74	1.81	1.84	1.96	1.51	0.80	0.65	0.51
327	11/21/2022	0.4032287		1.74	1.70	1.67	1.69	1.74	1.84	2.21	2.00	1.46	0.80	0.44	0.34
328	11/22/2022	0.359853333		1.53	1.46	1.45	1.49	1.52	1.66	1.92	1.86	1.23	0.70	0.45	0.33
329	11/23/2022	0.343568889		1.39	1.35	1.32	1.38	1.41	1.51	1.74	1.70	1.25	0.67	0.48	0.37
330	11/24/2022	0.283373333		1.43	1.38	1.35	1.29	1.33	1.46	1.55	1.71	1.28	0.79	0.52	0.42
331	11/25/2022	0.33428		1.09	1.03	0.96	0.96	0.95	1.05	1.14	1.21	1.17	0.92	0.76	0.54
332	11/26/2022	0.314924444		1.41	1.41	1.38	1.37	1.35	1.44	1.52	1.63	1.28	0.76	0.47	0.36
333	11/27/2022	0.297928889		1.23	1.15	1.13	1.11	1.17	1.12	1.24	1.28	1.29	1.17	0.69	0.72
334	11/28/2022	0.325035556		1.22	1.07	1.08	1.14	1.12	1.33	1.58	1.58	1.52	1.34	1.04	0.99
335	11/29/2022	0.265382222		1.27	1.16	1.14	1.16	1.16	1.34	1.58	1.56	1.33	0.73	0.42	0.21
336	11/30/2022	0.387391111		1.06	1.01	0.95	0.98	0.97	1.06	1.45	1.53	1.18	0.69	0.32	0.26
337	12/1/2022	0.408075556		1.56	1.56	1.50	1.53	1.61	1.69	2.05	2.01	1.52	0.76	0.41	0.39
338	12/2/2022	0.354746667		1.63	1.61	1.60	1.55	1.61	1.67	1.83	1.89	1.67	1.30	1.09	0.86
339	12/3/2022	0.385502222		1.36	1.19	1.12	1.10	1.13	1.17	1.23	1.30	1.26	1.23	0.41	0.32
340	12/4/2022	0.431111111		1.54	1.45	1.39	1.50	1.47	1.57	1.76	1.77	1.60	1.09	0.54	0.46
341	12/5/2022	0.397435556		1.67	1.62	1.53	1.59	1.60	1.79	2.10	2.06	1.59	0.96	0.54	0.59
342	12/6/2022	0.284688889		1.46	1.27	1.26	1.24	1.20	1.38	1.63	1.60	1.48	1.27	1.12	1.02
343	12/7/2022	0.318586667		1.15	1.02	1.04	0.97	0.99	1.15	1.45	1.42	1.16	1.10	0.94	0.92
344	12/8/2022	0.338871111		1.25	1.15	1.21	1.12	1.13	1.32	1.62	1.58	1.48	1.46	1.26	1.15
345	12/9/2022	0.353804444		1.33	1.23	1.20	1.23	1.23	1.36	1.71	1.68	1.47	0.94	0.41	0.65
346	12/10/2022	0.32568		1.34	1.23	1.17	1.15	1.16	1.27	1.39	1.51	1.45	1.45	1.24	0.93
347	12/11/2022	0.340697778		1.33	1.15	1.16	1.19	1.17	1.24	1.37	1.47	1.50	1.27	1.01	0.98
348	12/12/2022	0.380368889		1.35	1.24	1.25	1.29	1.28	1.47	1.70	1.71	1.63	1.25	0.81	0.84
349	12/13/2022	0.366928889		1.52	1.40	1.42	1.46	1.48	1.56	1.92	1.81	1.45	0.86	0.55	0.39
350	12/14/2022	0.339915556		1.40	1.37	1.32	1.27	1.34	1.54	1.75	1.73	1.62	1.50	1.39	1.25
351	12/15/2022	0.410395556		1.21	1.20	1.11	1.09	1.13	1.29	1.57	1.53	1.21	1.21	0.88	0.75
352	12/16/2022	0.419546667		1.52	1.36	1.34	1.33	1.41	1.55	1.80	1.83	1.50	0.80	0.53	0.45
353	12/17/2022	0.475053333		1.61	1.55	1.51	1.52	1.47	1.57	1.63	1.80	1.90	1.44	1.53	1.36

	B	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
2	measurement date	13	14	15	16	17	18	19	20	21	22	23	24
322	11/16/2022	1.26	1.22	1.38	1.56	1.61	2.00	2.13	2.11	2.03	1.95	1.74	1.59
323	11/17/2022	1.17	1.14	1.27	1.56	1.79	2.15	2.38	2.23	2.26	2.28	1.93	1.85
324	11/18/2022	0.37	0.39	0.55	0.83	1.31	1.87	2.17	2.03	2.13	2.02	1.88	1.76
325	11/19/2022	0.43	0.48	0.55	0.81	1.53	2.09	2.11	2.19	2.19	2.06	1.95	1.93
326	11/20/2022	0.43	0.43	0.60	0.92	1.36	2.06	2.30	2.35	2.41	2.29	1.98	1.80
327	11/21/2022	0.31	0.31	0.41	0.75	1.20	1.91	2.03	2.00	2.15	2.08	1.86	1.70
328	11/22/2022	0.26	0.22	0.32	0.45	1.06	1.71	1.83	1.89	1.84	1.82	1.65	1.46
329	11/23/2022	0.33	0.28	0.36	0.59	1.12	1.57	1.76	1.76	1.70	1.65	1.49	1.42
330	11/24/2022	0.42	0.57	0.62	0.87	1.11	1.29	1.37	1.36	1.36	1.28	1.27	1.13
331	11/25/2022	0.33	0.28	0.27	0.51	0.85	1.43	1.57	1.58	1.59	1.47	1.53	1.35
332	11/26/2022	0.31	0.32	0.49	0.80	1.25	1.62	1.58	1.63	1.70	1.49	1.45	1.27
333	11/27/2022	0.78	0.80	1.12	1.39	1.61	1.91	2.09	2.03	1.88	1.78	1.66	1.30
334	11/28/2022	1.03	1.15	1.16	1.39	1.68	1.96	1.91	1.93	1.98	1.89	1.58	1.37
335	11/29/2022	0.23	0.27	0.58	0.77	1.15	1.56	1.68	1.72	1.58	1.51	1.41	1.17
336	11/30/2022	0.21	0.26	0.39	0.62	1.28	2.04	2.17	2.13	2.14	2.12	1.84	1.69
337	12/1/2022	0.55	0.48	0.67	0.94	1.25	2.04	2.13	2.11	2.01	2.08	2.06	1.73
338	12/2/2022	0.94	0.63	0.50	0.82	1.42	1.74	1.74	1.67	1.78	1.58	1.47	1.44
339	12/3/2022	0.26	0.31	0.37	0.62	1.13	1.69	1.68	1.85	1.84	2.01	1.80	1.59
340	12/4/2022	0.38	0.38	0.54	0.84	1.50	2.00	2.27	2.28	2.35	2.19	1.98	1.78
341	12/5/2022	0.48	0.60	0.99	1.44	1.74	1.97	2.07	2.18	2.16	2.01	1.76	1.62
342	12/6/2022	0.95	0.92	0.95	1.24	1.63	1.78	1.85	1.81	1.75	1.74	1.49	1.21
343	12/7/2022	0.96	0.94	0.96	1.32	1.56	1.77	1.76	1.79	1.76	1.74	1.48	1.33
344	12/8/2022	1.06	1.22	1.40	1.60	1.60	1.78	1.95	1.96	1.94	1.88	1.74	1.42
345	12/9/2022	0.57	0.68	1.00	1.20	1.56	1.69	1.75	1.84	1.73	1.67	1.57	1.48
346	12/10/2022	0.82	0.98	1.19	1.54	1.81	1.87	1.87	1.76	1.74	1.73	1.60	1.44
347	12/11/2022	0.98	0.97	1.08	1.27	1.62	2.14	2.19	2.17	2.22	2.04	1.83	1.53
348	12/12/2022	0.83	0.51	0.53	0.93	1.42	2.08	2.10	2.08	2.14	2.14	1.84	1.63
349	12/13/2022	0.29	0.32	0.64	0.75	1.32	1.96	2.05	2.05	2.16	2.01	1.72	1.56
350	12/14/2022	1.23	1.21	1.40	1.52	1.64	1.86	1.97	2.07	2.07	2.03	1.80	1.42
351	12/15/2022	0.96	0.68	0.56	0.66	1.21	1.81	1.92	2.05	2.14	2.03	1.81	1.68
352	12/16/2022	0.33	0.46	0.65	0.87	1.61	2.16	2.33	2.16	2.06	2.09	1.92	1.69
353	12/17/2022	1.33	1.61	1.73	1.67	1.97	2.19	2.24	2.20	2.30	2.17	2.15	1.87

	B	C	D	E	F	G	H	I	J	K
2	measurement date	Month	Weekday	D_0015	D_0030	D_0045	D_0100	D_0115	D_0130	D_0145
354	12/18/2022	12	7	0.482906667	0.438284444	0.428817778	0.423133333	0.409004444	0.420924444	0.413582222
355	12/19/2022	12	1	0.46792	0.467066667	0.44896	0.474644444	0.471386667	0.470044444	0.473604444
356	12/20/2022	12	2	0.450813333	0.415337778	0.41408	0.434933333	0.407253333	0.405946667	0.432324444
357	12/21/2022	12	3	0.470764444	0.469737778	0.46772	0.438968889	0.445071111	0.436724444	0.421475556
358	12/22/2022	12	4	0.403608889	0.381355556	0.401426667	0.405875556	0.397871111	0.417333333	0.395444444
359	12/23/2022	12	5	0.535111111	0.532617778	0.522413333	0.510937778	0.56016	0.605502222	0.603288889
360	12/24/2022	12	6	0.795306667	0.787671111	0.798248889	0.785684444	0.787724444	0.821537778	0.748702222
361	12/25/2022	12	7	0.650306667	0.62864	0.683151111	0.668813333	0.653728889	0.647924444	0.669537778
362	12/26/2022	12	1	0.665253333	0.62948	0.633973333	0.5896	0.623875556	0.641804444	0.600688889
363	12/27/2022	12	2	0.575582222	0.548911111	0.496302222	0.535017778	0.488102222	0.489911111	0.515208889
364	12/28/2022	12	3	0.481062222	0.469253333	0.476035556	0.47136	0.455817778	0.466462222	0.45868
365	12/29/2022	12	4	0.411515556	0.399773333	0.417546667	0.392333333	0.388115556	0.401191111	0.394577778
366	12/30/2022	12	5	0.320177778	0.30856	0.309773333	0.299315556	0.323128889	0.304595556	0.287671111
367	12/31/2022	12	6	0.303577778	0.297608889	0.296671111	0.283804444	0.310737778	0.292844444	0.278195556
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	B	L	M	N	O	P	Q	R	S
2	measurement date	D_0200	D_0215	D_0230	D_0245	D_0300	D_0315	D_0330	D_0345
354	12/18/2022	0.412777778	0.409688889	0.401577778	0.409088889	0.425102222	0.394902222	0.396391111	0.403493333
355	12/19/2022	0.466604444	0.436	0.464937778	0.470928889	0.463084444	0.471551111	0.442413333	0.432604444
356	12/20/2022	0.422537778	0.400244444	0.419942222	0.40172	0.409355556	0.451328889	0.442	0.409542222
357	12/21/2022	0.413324444	0.422426667	0.435928889	0.418608889	0.420315556	0.398053333	0.430377778	0.420617778
358	12/22/2022	0.387337778	0.392391111	0.374284444	0.39932	0.3706	0.38476	0.371417778	0.4016
359	12/23/2022	0.593875556	0.584946667	0.595604444	0.567084444	0.602422222	0.585408889	0.599222222	0.592915556
360	12/24/2022	0.739191111	0.797426667	0.757893333	0.736835556	0.74156	0.764617778	0.775213333	0.756142222
361	12/25/2022	0.617977778	0.642302222	0.631431111	0.674213333	0.661666667	0.638702222	0.689413333	0.69256
362	12/26/2022	0.616746667	0.588204444	0.600097778	0.561413333	0.599595556	0.59548	0.588373333	0.632951111
363	12/27/2022	0.516657778	0.4732	0.476128889	0.499631111	0.509617778	0.495302222	0.510071111	0.475933333
364	12/28/2022	0.440448889	0.462595556	0.416808889	0.402768889	0.454453333	0.467977778	0.498204444	0.465115556
365	12/29/2022	0.383471111	0.378671111	0.365862222	0.377791111	0.377942222	0.373404444	0.379635556	0.382844444
366	12/30/2022	0.264675556	0.25916	0.258186667	0.26004	0.251106667	0.259626667	0.265253333	0.255453333
367	12/31/2022	0.287146667	0.287404444	0.265671111	0.270964444	0.279964444	0.26156	0.255391111	0.265128889
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	B	T	U	V	W	X	Y	Z	AA
2	measurement date	D_0400	D_0415	D_0430	D_0445	D_0500	D_0515	D_0530	D_0545
354	12/18/2022	0.415986667	0.436262222	0.389066667	0.388328889	0.405448889	0.420768889	0.411191111	0.413733333
355	12/19/2022	0.458795556	0.481826667	0.45128	0.469133333	0.479102222	0.473	0.502684444	0.499013333
356	12/20/2022	0.424528889	0.421462222	0.416515556	0.409617778	0.420915556	0.440377778	0.442191111	0.440684444
357	12/21/2022	0.438048889	0.45448	0.432262222	0.409271111	0.438475556	0.447404444	0.435044444	0.4484
358	12/22/2022	0.415048889	0.392657778	0.440733333	0.416062222	0.39368	0.408528889	0.432777778	0.419288889
359	12/23/2022	0.655915556	0.617084444	0.59788	0.681728889	0.680822222	0.707004444	0.729835556	0.761075556
360	12/24/2022	0.738893333	0.737711111	0.786795556	0.786564444	0.754951111	0.739968889	0.765195556	0.786382222
361	12/25/2022	0.645186667	0.645164444	0.642511111	0.684711111	0.640306667	0.63012	0.683937778	0.653515556
362	12/26/2022	0.540946667	0.565408889	0.585151111	0.604555556	0.605497778	0.578982222	0.618462222	0.616182222
363	12/27/2022	0.461324444	0.479742222	0.469808889	0.489395556	0.503968889	0.489142222	0.513275556	0.504964444
364	12/28/2022	0.459448889	0.446906667	0.4522	0.505902222	0.466493333	0.448702222	0.453155556	0.520795556
365	12/29/2022	0.367484444	0.400804444	0.387515556	0.399777778	0.405471111	0.410835556	0.383666667	0.410311111
366	12/30/2022	0.259546667	0.244808889	0.251817778	0.255626667	0.275497778	0.269391111	0.284875556	0.320275556
367	12/31/2022	0.260222222	0.266111111	0.261173333	0.257284444	0.246915556	0.247671111	0.250444444	0.24856
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	B	AB	AC	AD	AE	AF	AG	AH	AI
2	measurement date	D_0600	D_0615	D_0630	D_0645	D_0700	D_0715	D_0730	D_0745
354	12/18/2022	0.43588	0.430777778	0.441093333	0.480693333	0.468462222	0.455875556	0.477173333	0.486004444
355	12/19/2022	0.539564444	0.550093333	0.612853333	0.599626667	0.598253333	0.541084444	0.533453333	0.55696
356	12/20/2022	0.442946667	0.493128889	0.481755556	0.468768889	0.499204444	0.485368889	0.513915556	0.500813333
357	12/21/2022	0.495324444	0.546088889	0.52956	0.538893333	0.538875556	0.494724444	0.530564444	0.533786667
358	12/22/2022	0.442933333	0.485342222	0.450435556	0.431573333	0.457826667	0.42776	0.435231111	0.452173333
359	12/23/2022	0.729333333	0.784844444	0.83068	0.798706667	0.788257778	0.811533333	0.860955556	0.857502222
360	12/24/2022	0.758986667	0.784426667	0.819648889	0.808124444	0.829351111	0.873826667	0.820306667	0.822186667
361	12/25/2022	0.739351111	0.714666667	0.710284444	0.681142222	0.709115556	0.716991111	0.694213333	0.749266667
362	12/26/2022	0.642546667	0.659777778	0.622524444	0.618986667	0.631133333	0.629795556	0.659533333	0.67972
363	12/27/2022	0.518777778	0.525973333	0.533644444	0.547395556	0.550213333	0.492555556	0.533964444	0.573808889
364	12/28/2022	0.490551111	0.520466667	0.553697778	0.57456	0.5342	0.505915556	0.523142222	0.517755556
365	12/29/2022	0.404111111	0.42284	0.424751111	0.448177778	0.46668	0.424911111	0.411066667	0.441324444
366	12/30/2022	0.292577778	0.303706667	0.317706667	0.320346667	0.338142222	0.29364	0.339617778	0.338062222
367	12/31/2022	0.255342222	0.262564444	0.267888889	0.259506667	0.255973333	0.282204444	0.293186667	0.281164444
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	B	AJ	AK	AL	AM	AN	AO	AP	AQ
2	measurement date	D_0800	D_0815	D_0830	D_0845	D_0900	D_0915	D_0930	D_0945
354	12/18/2022	0.491875556	0.518546667	0.463115556	0.440155556	0.380408889	0.347128889	0.375746667	0.329777778
355	12/19/2022	0.610231111	0.565453333	0.500591111	0.444364444	0.404622222	0.369671111	0.3436	0.278595556
356	12/20/2022	0.517613333	0.488777778	0.482075556	0.418462222	0.371484444	0.379986667	0.302897778	0.225382222
357	12/21/2022	0.514413333	0.5132	0.485102222	0.448124444	0.364528889	0.336675556	0.289382222	0.265764444
358	12/22/2022	0.44884	0.442315556	0.458551111	0.46444	0.413653333	0.440737778	0.410604444	0.3882
359	12/23/2022	0.850337778	0.863546667	0.877391111	0.905551111	0.776213333	0.735493333	0.760844444	0.753093333
360	12/24/2022	0.884671111	0.85152	0.879395556	0.822604444	0.811617778	0.742222222	0.739048889	0.709546667
361	12/25/2022	0.787426667	0.784724444	0.73376	0.699044444	0.665031111	0.599577778	0.552142222	0.51592
362	12/26/2022	0.638164444	0.602817778	0.652742222	0.671537778	0.621195556	0.639066667	0.618186667	0.565195556
363	12/27/2022	0.516217778	0.542328889	0.55872	0.590542222	0.58712	0.590471111	0.539271111	0.563306667
364	12/28/2022	0.54608	0.537248889	0.492204444	0.444115556	0.480675556	0.462057778	0.436448889	0.416337778
365	12/29/2022	0.44712	0.458146667	0.412688889	0.38296	0.377742222	0.379164444	0.369475556	0.346937778
366	12/30/2022	0.324791111	0.350817778	0.346582222	0.365431111	0.342893333	0.3374	0.264097778	0.233791111
367	12/31/2022	0.282973333	0.287235556	0.307057778	0.304168889	0.287875556	0.312337778	0.30988	0.313782222
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	B	AR	AS	AT	AU	AV	AW	AX	AY
2	measurement date	D_1000	D_1015	D_1030	D_1045	D_1100	D_1115	D_1130	D_1145
354	12/18/2022	0.326017778	0.28892	0.307244444	0.357808889	0.328484444	0.28768	0.286208889	0.271231111
355	12/19/2022	0.261951111	0.227151111	0.222142222	0.257791111	0.284462222	0.260404444	0.262417778	0.250808889
356	12/20/2022	0.21612	0.184435556	0.212395556	0.168942222	0.139915556	0.133786667	0.146982222	0.124364444
357	12/21/2022	0.212782222	0.144355556	0.183511111	0.127595556	0.096484444	0.104102222	0.117808889	0.118848889
358	12/22/2022	0.325893333	0.350888889	0.34096	0.317035556	0.330115556	0.319964444	0.344893333	0.369804444
359	12/23/2022	0.793462222	0.781964444	0.705364444	0.710657778	0.759497778	0.663751111	0.681217778	0.713484444
360	12/24/2022	0.705115556	0.650622222	0.622875556	0.617031111	0.621075556	0.601213333	0.599844444	0.591782222
361	12/25/2022	0.501684444	0.461182222	0.456391111	0.412213333	0.357831111	0.366968889	0.338626667	0.292946667
362	12/26/2022	0.648093333	0.659151111	0.681964444	0.652191111	0.637488889	0.637097778	0.625204444	0.646982222
363	12/27/2022	0.585128889	0.565373333	0.565648889	0.586773333	0.555591111	0.516173333	0.477253333	0.495435556
364	12/28/2022	0.464	0.42024	0.341262222	0.337795556	0.281662222	0.168675556	0.161528889	0.167617778
365	12/29/2022	0.332893333	0.326457778	0.296222222	0.296413333	0.313795556	0.2764	0.198235556	0.204297778
366	12/30/2022	0.223031111	0.224342222	0.217942222	0.185231111	0.170426667	0.16996	0.131213333	0.14232
367	12/31/2022	0.298666667	0.329195556	0.343253333	0.33276	0.306773333	0.316746667	0.29844	0.297844444
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	B	AZ	BA	BB	BC	BD	BE	BF	BG
2	measurement date	D_1200	D_1215	D_1230	D_1245	D_1300	D_1315	D_1330	D_1345
354	12/18/2022	0.240951111	0.221977778	0.230191111	0.209795556	0.196866667	0.192422222	0.200008889	0.169817778
355	12/19/2022	0.248711111	0.258586667	0.253911111	0.237724444	0.171488889	0.122315556	0.092777778	0.112173333
356	12/20/2022	0.096142222	0.120342222	0.10664	0.095222222	0.075226667	0.075902222	0.093302222	0.09592
357	12/21/2022	0.09804	0.11416	0.11224	0.110088889	0.109422222	0.124306667	0.123368889	0.1304
358	12/22/2022	0.378648889	0.384395556	0.367	0.32324	0.302902222	0.310182222	0.307124444	0.317924444
359	12/23/2022	0.695066667	0.710128889	0.664582222	0.642675556	0.661751111	0.656448889	0.623013333	0.612991111
360	12/24/2022	0.546106667	0.553564444	0.573737778	0.599657778	0.594982222	0.63648	0.626444444	0.583582222
361	12/25/2022	0.28068	0.328226667	0.28716	0.263506667	0.280226667	0.283711111	0.269546667	0.227862222
362	12/26/2022	0.591537778	0.59308	0.632457778	0.674768889	0.643031111	0.64564	0.643604444	0.643724444
363	12/27/2022	0.540022222	0.524871111	0.516973333	0.528146667	0.516502222	0.508333333	0.55632	0.524893333
364	12/28/2022	0.16612	0.152595556	0.120315556	0.106777778	0.101782222	0.11932	0.109293333	0.103337778
365	12/29/2022	0.226871111	0.255502222	0.262248889	0.244173333	0.235884444	0.272026667	0.253377778	0.215257778
366	12/30/2022	0.164022222	0.166875556	0.165373333	0.14292	0.105546667	0.106462222	0.127817778	0.139177778
367	12/31/2022	0.256893333	0.256711111	0.249435556	0.263302222	0.260391111	0.265453333	0.22584	0.187328889
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	B	BH	BI	BJ	BK	BL	BM	BN	BO
2	measurement date	D_1400	D_1415	D_1430	D_1445	D_1500	D_1515	D_1530	D_1545
354	12/18/2022	0.161111111	0.165817778	0.161608889	0.17404	0.172324444	0.196404444	0.217155556	0.258213333
355	12/19/2022	0.119511111	0.130844444	0.140875556	0.199191111	0.169364444	0.190426667	0.199004444	0.273284444
356	12/20/2022	0.111417778	0.108191111	0.119124444	0.111471111	0.129128889	0.154253333	0.172493333	0.169911111
357	12/21/2022	0.133528889	0.147528889	0.181991111	0.228195556	0.245964444	0.252693333	0.232946667	0.235013333
358	12/22/2022	0.301808889	0.328848889	0.327204444	0.36192	0.360711111	0.370684444	0.407213333	0.433924444
359	12/23/2022	0.67028	0.684671111	0.682217778	0.712524444	0.736648889	0.760675556	0.795551111	0.74024
360	12/24/2022	0.650862222	0.643328889	0.617182222	0.671551111	0.69828	0.585586667	0.617773333	0.65244
361	12/25/2022	0.213431111	0.244906667	0.255653333	0.291751111	0.280333333	0.266475556	0.34152	0.368457778
362	12/26/2022	0.621951111	0.630773333	0.700524444	0.689097778	0.705297778	0.66692	0.675626667	0.651088889
363	12/27/2022	0.51848	0.514062222	0.521644444	0.508964444	0.525702222	0.591288889	0.56116	0.582666667
364	12/28/2022	0.101062222	0.110453333	0.134057778	0.152937778	0.155791111	0.184422222	0.177675556	0.182631111
365	12/29/2022	0.20512	0.195257778	0.249964444	0.309022222	0.332235556	0.332777778	0.341231111	0.376417778
366	12/30/2022	0.143026667	0.192653333	0.180173333	0.193648889	0.1816	0.195697778	0.23396	0.291315556
367	12/31/2022	0.202075556	0.236195556	0.233822222	0.270044444	0.248622222	0.255106667	0.241808889	0.288844444
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	B	BP	BQ	BR	BS	BT	BU	BV	BW
2	measurement date	D_1600	D_1615	D_1630	D_1645	D_1700	D_1715	D_1730	D_1745
354	12/18/2022	0.281742222	0.323697778	0.395084444	0.424253333	0.435635556	0.521186667	0.54348	0.584026667
355	12/19/2022	0.352817778	0.391866667	0.389057778	0.450653333	0.506417778	0.558551111	0.555435556	0.574471111
356	12/20/2022	0.209071111	0.266635556	0.28588	0.338657778	0.382773333	0.425493333	0.459942222	0.491595556
357	12/21/2022	0.2934	0.339853333	0.396426667	0.409911111	0.43872	0.474266667	0.520817778	0.533133333
358	12/22/2022	0.449182222	0.449168889	0.461568889	0.470422222	0.492262222	0.479204444	0.530404444	0.550773333
359	12/23/2022	0.834017778	0.835111111	0.913933333	0.942906667	0.875653333	0.901542222	0.936764444	0.998702222
360	12/24/2022	0.630231111	0.651453333	0.712782222	0.795537778	0.821657778	0.865964444	0.840266667	0.854746667
361	12/25/2022	0.383293333	0.452826667	0.510711111	0.50832	0.562991111	0.651702222	0.667173333	0.691066667
362	12/26/2022	0.687217778	0.676235556	0.675542222	0.706333333	0.71896	0.697306667	0.710875556	0.754431111
363	12/27/2022	0.557266667	0.559168889	0.576271111	0.594977778	0.635271111	0.616764444	0.600875556	0.57384
364	12/28/2022	0.211635556	0.290257778	0.319168889	0.351124444	0.374435556	0.428875556	0.467551111	0.503262222
365	12/29/2022	0.390084444	0.396071111	0.450391111	0.444444444	0.480942222	0.46568	0.467435556	0.487422222
366	12/30/2022	0.292786667	0.319404444	0.292537778	0.338155556	0.335764444	0.378048889	0.408671111	0.39032
367	12/31/2022	0.329542222	0.369364444	0.394684444	0.419128889	0.437151111	0.486804444	0.488133333	0.4874
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	B	BX	BY	BZ	CA	CB	CC	CD	CE
2	measurement date	D_1800	D_1815	D_1830	D_1845	D_1900	D_1915	D_1930	D_1945
354	12/18/2022	0.570928889	0.577915556	0.584124444	0.614248889	0.649493333	0.643284444	0.663404444	0.64808
355	12/19/2022	0.590942222	0.594164444	0.592786667	0.587657778	0.593848889	0.603066667	0.598128889	0.63104
356	12/20/2022	0.536533333	0.500142222	0.521711111	0.520711111	0.531546667	0.556453333	0.56564	0.60632
357	12/21/2022	0.514275556	0.528497778	0.556786667	0.554124444	0.59932	0.551275556	0.537124444	0.543591111
358	12/22/2022	0.586488889	0.57876	0.551004444	0.554497778	0.566008889	0.567688889	0.574355556	0.581902222
359	12/23/2022	0.960044444	1.001644444	1.032662222	1.032577778	1.017715556	0.990217778	0.997942222	1.003968889
360	12/24/2022	0.849453333	0.841857778	0.841008889	0.847195556	0.857991111	0.82276	0.865177778	0.778502222
361	12/25/2022	0.703142222	0.716577778	0.697302222	0.726351111	0.714595556	0.713964444	0.709857778	0.673862222
362	12/26/2022	0.701586667	0.71616	0.709346667	0.675715556	0.686111111	0.702893333	0.694391111	0.704435556
363	12/27/2022	0.630977778	0.636684444	0.65704	0.612648889	0.620764444	0.64424	0.61092	0.663333333
364	12/28/2022	0.544022222	0.552004444	0.553671111	0.546444444	0.519586667	0.527017778	0.566586667	0.522617778
365	12/29/2022	0.498031111	0.492422222	0.491346667	0.479604444	0.462293333	0.428324444	0.457942222	0.4422
366	12/30/2022	0.42592	0.429622222	0.422355556	0.41376	0.431133333	0.437528889	0.444035556	0.42512
367	12/31/2022	0.522231111	0.533	0.541031111	0.520533333	0.495577778	0.460102222	0.458186667	0.455466667
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	B	CF	CG	CH	CI	CJ	CK	CL	CM
2	measurement date	D_2000	D_2015	D_2030	D_2045	D_2100	D_2115	D_2130	D_2145
354	12/18/2022	0.689746667	0.64796	0.647217778	0.637555556	0.647591111	0.63392	0.601311111	0.630506667
355	12/19/2022	0.615693333	0.597475556	0.5944	0.648088889	0.644275556	0.619697778	0.614524444	0.607831111
356	12/20/2022	0.583253333	0.596946667	0.617253333	0.617862222	0.591382222	0.547204444	0.57652	0.614253333
357	12/21/2022	0.514986667	0.480626667	0.538506667	0.589542222	0.574404444	0.579906667	0.550857778	0.559586667
358	12/22/2022	0.583951111	0.578564444	0.576022222	0.537306667	0.520048889	0.554595556	0.5354	0.549662222
359	12/23/2022	0.970906667	0.957288889	0.981297778	1.011333333	0.996657778	1.003835556	0.989431111	0.918102222
360	12/24/2022	0.817511111	0.831968889	0.81636	0.85524	0.8338	0.818275556	0.792973333	0.82568
361	12/25/2022	0.706493333	0.720071111	0.720351111	0.744053333	0.803284444	0.747404444	0.756315556	0.731182222
362	12/26/2022	0.701995556	0.727657778	0.696386667	0.653373333	0.67364	0.65244	0.679137778	0.701431111
363	12/27/2022	0.65288	0.671208889	0.640013333	0.645968889	0.6362	0.610746667	0.563884444	0.593497778
364	12/28/2022	0.534088889	0.537115556	0.523853333	0.520106667	0.537333333	0.537306667	0.53364	0.520102222
365	12/29/2022	0.454764444	0.455875556	0.485391111	0.46288	0.435448889	0.45792	0.446093333	0.413551111
366	12/30/2022	0.435	0.406022222	0.382222222	0.388106667	0.375115556	0.376151111	0.366022222	0.369515556
367	12/31/2022	0.436382222	0.432835556	0.475351111	0.485488889	0.479315556	0.439444444	0.425191111	0.411746667
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	B	CN	CO	CP	CQ	CR	CS	CT	CU
2	measurement date	D_2200	D_2215	D_2230	D_2245	D_2300	D_2315	D_2330	D_2345
354	12/18/2022	0.61548	0.590524444	0.590404444	0.60648	0.532133333	0.504364444	0.508773333	0.472715556
355	12/19/2022	0.609831111	0.559608889	0.57184	0.550506667	0.508671111	0.494555556	0.466902222	0.465897778
356	12/20/2022	0.5724	0.539502222	0.533955556	0.533644444	0.525768889	0.502195556	0.513977778	0.496862222
357	12/21/2022	0.548577778	0.522208889	0.534435556	0.542182222	0.515653333	0.497422222	0.459244444	0.442986667
358	12/22/2022	0.537413333	0.544484444	0.570493333	0.598768889	0.569053333	0.521728889	0.520808889	0.520871111
359	12/23/2022	0.943022222	0.941684444	0.932955556	0.940217778	0.856097778	0.785466667	0.831177778	0.820693333
360	12/24/2022	0.805155556	0.790191111	0.780675556	0.714471111	0.675488889	0.69688	0.686555556	0.678626667
361	12/25/2022	0.704737778	0.691422222	0.748542222	0.714413333	0.683488889	0.6722	0.679048889	0.676226667
362	12/26/2022	0.607373333	0.57872	0.648546667	0.653737778	0.599986667	0.568373333	0.5586	0.561666667
363	12/27/2022	0.571346667	0.578608889	0.573795556	0.583822222	0.528057778	0.478595556	0.500937778	0.508586667
364	12/28/2022	0.5166	0.503453333	0.493355556	0.481773333	0.516102222	0.509555556	0.467982222	0.433035556
365	12/29/2022	0.430186667	0.395524444	0.417075556	0.418635556	0.409835556	0.385302222	0.375866667	0.381826667
366	12/30/2022	0.364688889	0.37192	0.356831111	0.366182222	0.348622222	0.340648889	0.339911111	0.3596
367	12/31/2022	0.428595556	0.425857778	0.41768	0.38744	0.405715556	0.367013333	0.356875556	0.328071111
368									
369									
370									
371									

	B	CV	CW	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB
2	measurement date	D_2400		1	2	3	4	5	6	7	8	9	10	11	12
354	12/18/2022	0.468826667		1.77	1.66	1.65	1.61	1.62	1.68	1.82	1.91	1.80	1.38	1.28	1.09
355	12/19/2022	0.475711111		1.86	1.88	1.83	1.81	1.88	2.01	2.36	2.24	1.92	1.25	0.99	1.02
356	12/20/2022	0.464848889		1.72	1.67	1.63	1.73	1.67	1.77	1.94	2.02	1.76	1.12	0.71	0.50
357	12/21/2022	0.4268		1.85	1.72	1.70	1.69	1.73	1.83	2.15	2.07	1.81	1.10	0.55	0.44
358	12/22/2022	0.514231111		1.59	1.60	1.54	1.57	1.64	1.70	1.83	1.76	1.78	1.57	1.34	1.41
359	12/23/2022	0.797004444		2.10	2.36	2.35	2.43	2.58	2.93	3.20	3.38	3.42	3.04	2.96	2.75
360	12/24/2022	0.66044		3.17	3.10	3.03	3.03	3.07	3.05	3.24	3.40	3.37	2.90	2.51	2.34
361	12/25/2022	0.696711111		2.63	2.59	2.61	2.67	2.61	2.71	2.82	2.95	2.88	2.17	1.69	1.28
362	12/26/2022	0.565031111		2.52	2.48	2.35	2.36	2.36	2.46	2.53	2.61	2.55	2.47	2.63	2.50
363	12/27/2022	0.48548		2.16	2.01	1.96	1.94	1.94	2.03	2.16	2.12	2.28	2.28	2.27	2.03
364	12/28/2022	0.417408889		1.90	1.82	1.74	1.89	1.87	1.91	2.18	2.09	1.95	1.78	1.38	0.66
365	12/29/2022	0.353573333		1.62	1.57	1.50	1.50	1.59	1.61	1.76	1.72	1.63	1.43	1.23	0.91
366	12/30/2022	0.315617778		1.24	1.18	1.03	1.04	1.03	1.17	1.28	1.30	1.41	1.06	0.80	0.61
367	12/31/2022	0.345644444		1.18	1.17	1.10	1.04	1.03	1.00	1.05	1.14	1.19	1.23	1.31	1.17
368															
369															
370															
371															

	B	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN
2	measurement date	13	14	15	16	17	18	19	20	21	22	23	24
354	12/18/2022	0.86	0.72	0.67	0.95	1.58	2.22	2.43	2.64	2.58	2.48	2.32	1.95
355	12/19/2022	0.92	0.45	0.64	1.02	1.74	2.28	2.37	2.45	2.48	2.45	2.19	1.90
356	12/20/2022	0.40	0.38	0.47	0.71	1.27	1.91	2.07	2.31	2.42	2.31	2.13	1.98
357	12/21/2022	0.45	0.51	0.80	1.01	1.58	2.04	2.24	2.15	2.18	2.24	2.11	1.83
358	12/22/2022	1.38	1.24	1.38	1.66	1.87	2.15	2.25	2.31	2.21	2.18	2.28	2.08
359	12/23/2022	2.68	2.56	2.82	3.13	3.57	3.80	4.08	3.96	3.95	3.85	3.67	3.23
360	12/24/2022	2.32	2.50	2.63	2.49	2.98	3.41	3.39	3.28	3.34	3.24	2.96	2.72
361	12/25/2022	1.16	0.99	1.07	1.36	2.03	2.71	2.85	2.80	2.99	2.94	2.84	2.72
362	12/26/2022	2.54	2.55	2.73	2.68	2.78	2.86	2.79	2.80	2.75	2.64	2.48	2.25
363	12/27/2022	2.09	2.11	2.07	2.29	2.37	2.42	2.53	2.57	2.59	2.34	2.26	1.97
364	12/28/2022	0.48	0.43	0.55	0.76	1.33	1.94	2.17	2.15	2.12	2.11	1.99	1.83
365	12/29/2022	1.00	0.95	1.09	1.44	1.77	1.92	1.93	1.78	1.84	1.75	1.64	1.50
366	12/30/2022	0.58	0.52	0.75	1.01	1.29	1.60	1.70	1.74	1.55	1.48	1.44	1.36
367	12/31/2022	1.03	0.88	0.99	1.12	1.62	1.98	2.09	1.81	1.87	1.70	1.64	1.40
368													
369													
370													
371													

Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024

KYSEIA-DR-02-010

REQUEST:

Please refer to Sailers Direct at 10, which states “Regarding the demand component, the Company simplified the multiple definitions of demand used in the COSS for allocation purposes into a single demand definition based on the system 12 CPs (coincident peaks).”

- a. Please provide the day and time of the 12CP peaks from 2019-2023.
- b. Please provide the demand allocator (e.g., 12CP, 4CP, Class NCP, etc.) used in the Company's COSS for
 - i. Production costs;
 - ii. Transmission costs; iii. Primary distribution costs; and iv. Secondary distribution costs.
- c. To the extent that the Company's COSS does not use the 12CP allocator for the allocation of a given set of costs (e.g., production, transmission, etc.), please explain why it is appropriate to simplify the net metering COSS analysis using the 12CP allocator.

RESPONSE:

- a. See Direct Testimony of Bruce L. Sailers, Attachment BLS-2, Input Tab for the April 2021 through March 2022 system peak hours. Other CP hours are provided below. Note that the December 2023 value is considered preliminary since analysis is not yet complete.

Month	DEK System Peak (EST)
1/2019	01/31/19 08:00
2/2019	02/01/19 08:00
3/2019	03/05/19 08:00
4/2019	04/01/19 07:00
5/2019	05/28/19 17:00
6/2019	06/28/19 17:00
7/2019	07/10/19 18:00
8/2019	08/19/19 18:00
9/2019	09/13/19 15:00
10/2019	10/01/19 16:00
11/2019	11/13/19 08:00
12/2019	12/19/19 08:00
1/2020	01/22/20 08:00
2/2020	02/14/20 09:00
3/2020	03/06/20 19:00
4/2020	04/08/20 17:00
5/2020	05/26/20 17:00
6/2020	06/10/20 15:00
7/2020	07/20/20 16:00
8/2020	08/25/20 16:00
9/2020	09/10/20 15:00
10/2020	10/12/20 19:00
11/2020	11/30/20 19:00
12/2020	12/17/20 19:00
1/2021	01/29/21 09:00
2/2021	02/17/21 08:00
3/2021	03/02/21 08:00
4/2022	04/24/22 18:00
5/2022	05/31/22 16:00
6/2022	06/22/22 15:00
7/2022	07/20/22 17:00
8/2022	08/03/22 15:00
9/2022	09/21/22 16:00
10/2022	10/20/22 07:00
11/2022	11/17/22 19:00
12/2022	12/23/22 19:00
1/2023	01/27/23 09:00
2/2023	02/01/23 08:00
3/2023	03/15/23 07:00

4/2023	04/20/23 17:00
5/2023	05/31/23 17:00
6/2023	06/30/23 17:00
7/2023	07/27/23 16:00
8/2023	08/23/23 17:00
9/2023	09/05/23 15:00
10/2023	10/03/23 17:00
11/2023	11/29/23 08:00
12/2023	12/19/23 09:00

- b. Please see the COSS model provided in the Company’s response to KYSEIA-DR-02-011. The model applies many different allocation factors to the production, transmission, and distribution line items, depending on the functionalization, classification, and nature of the specific cost items.
- c. The analysis is simplified since the majority of costs are 12 CP based.

PERSON RESPONSIBLE: Bruce L. Sailors (a,c); James E. Ziolkowski (b)

**Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024**

KYSEIA-DR-02-011

REQUEST:

Please provide a complete and fully functional version of the Company's most recently approved COSS model in its native format (e.g., Excel) with all formulas intact.

RESPONSE:

Please see KYSEIA-DR-02-011 Attachment. This file is a copy of the Company's approved COSS model that ties to the revenue requirement that was ordered by the Commission in Case No. 2022-00372.

PERSON RESPONSIBLE: James E. Ziolkowski

	COSS	Rev Req Model	Difference	
Gross Plant (Sch. B-1)	2,179,630,202	2,179,630,202	0	Linked To Sch. B-1
Depreciation (Sch B-1)	(845,046,811)	(845,046,812)	(1)	Linked To Sch. B-1
Net Plant	<u>1,334,583,391</u>	<u>1,334,583,390</u>	<u>1</u>	
CWIP	0	0	0	
Schedule B-5				
Cash WC	506,078	506,078	0	Linked To Sch. B-1
Fuel Stock	26,060,565	26,060,565	0	Linked To Sch. B-5
Emission Allowances	0	0	0	Linked To Sch. B-5
Prepayments	497,555	497,555	0	Linked To Sch. B-5
Mat & Supp	12,216,907	12,216,907	0	Linked To Sch. B-5
Tot Working Capital	<u>39,281,105</u>	<u>39,281,105</u>	<u>0</u>	
Schedule B-6				
Customer Advances - Acct 252	0	0	0	
Customer Service Deposits	0	0	0	
ITC Acct 255	0	0	0	
Account 254 - Excess EDIT	51,319,334	51,319,334	0	
Acct 281	0	0	0	
Acct 282	199,136,539	199,136,539	0	Linked To Sch. B-6
Acct 283	6,888,511	6,888,511	0	Linked To Sch. B-6
Total Rate Base Reductions	<u>257,344,384</u>	<u>257,344,384</u>	<u>0</u>	
Acct 190	(11,098)	(11,098)	0	Linked To Sch. B-6
Other Rate Base Adj.	0	0	0	
Total Rate Base Additions	<u>(11,098)</u>	<u>(11,098)</u>	<u>0</u>	
Total Rate Base	<u><u>1,116,509,014</u></u>	<u><u>1,116,509,013</u></u>	<u><u>(1)</u></u>	

Schedule C-2

Prod O&M	167,210,151	167,210,151	0	Linked To Sch. C-2
Trans	25,836,216	25,836,216	0	Linked To Sch. C-2
Regional Market	2,906,856	2,906,856	0	Linked To Sch. C-2
Dist	13,876,559	13,876,559	0	Linked To Sch. C-2
Cust Acct	3,990,758	3,990,758	0	Linked To Sch. C-2
Cust serv	307,484	307,484	0	Linked To Sch. C-2
Sales	1,421,897	1,421,897	0	Linked To Sch. C-2
A&G & AMORT OF DEF EXP	27,892,731	27,892,731	0	Linked To Sch. C-2
Total O&M	243,442,652	243,442,652	0	
Total Deprec Exp	64,622,268	64,622,268	0	Linked To Sch. C-2
Property Tax	19,741,464	19,741,464	0	
Misc Taxes	(1,041,350)	(1,041,350)	0	
Total Prop & Misc Taxes	18,700,114	18,700,114	0	
Misc. Expenses	71,259	71,259	0	
Total O&M, Depr & MISC TAX	326,836,293	326,836,293	0	

Schedule E-1

Tax Calculation

Interest Deduction	23,539,326	23,539,326	0	
Other Deductions	25,480,341	25,480,341	0	

State Tax Calc

Total State Inc Tax Payable	1,448,590	1,448,587	(3)	
State prov Acct 410.1 & 411.1 - Net	1,736,888	1,736,888	0	
Total SIT Adj	3,185,478	3,185,475	(3)	

Fed Tax Calc

Total Fed Inc Tax Payable	8,846,665	8,846,666	1	
FIT prov Acct 410.1 & 411.1 - Net	263,762	263,762	0	
ITC Amort & Other Credits	0	0	0	
Total FIT Adj	9,110,427	9,110,428	1	

Total Income Taxes	12,295,905	12,295,903	(2)	
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Other Operating Revenues	1,915,235	1,915,235	0	
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Revenue Tax	0			
Deficiency @ROR	47,728,700	47,728,698	(2)	

Incr Uncollectible Exp	0	0	0	
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Present Revenue (Sch M) vs Sch C-2	369,787,593	369,787,593	0	
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DUKE ENERGY KENTUCKY, INC.
 CASE NO: 2022-00372
 CUSTOMER CHARGE ANALYSIS / MINIMUM BILL RATIONALE
 TWELVE MONTHS ENDING JUNE 30, 2024

DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED
 TYPE OF FILING: "X" ORIGINAL UPDATED REVISED
 WORK PAPER REFERENCE NO(S): FR-16(12)(v)-5, FR-16(12)(v)-9, FR-16(12)(v)-13

WP FR-16(7)(v)
 PAGE 1 of 1
 WITNESS RESPONSIBLE:
 JAMES E. ZIOLKOWSKI

LINE NO.	DESCRIPTION	RS RESIDENTIAL	DS SECONDARY DISTRIBUTION	GSFL SECONDARY DISTRIBUTION	EH SECONDARY DISTRIBUTION	SP SECONDARY DISTRIBUTION	DT SEC SECONDARY DISTRIBUTION	DT PRI PRIMARY DISTRIBUTION	DP PRIMARY DISTRIBUTION	TT TRANSMISSION TIME OF DAY	LT LIGHTING	OTHER WATER PUMPING
1	Capitalization Allocated to Electric Operations	\$ 81,195,330	\$ 10,455,368	\$ 95,746	\$ 93,878	\$ 10,431	\$ 225,725	\$ 100,549	\$ 27,506	\$ 26,562	\$ 2,579,467	\$ 4,741
2	Operating Expense	\$ 15,578,437	\$ 2,342,582	\$ 19,852	\$ 22,332	\$ 2,322	\$ 61,499	\$ 32,801	\$ 8,378	\$ 9,656	\$ 457,611	\$ 1,122
3	Return @ 7.19%	\$ 5,839,568	\$ 751,950	\$ 6,886	\$ 6,752	\$ 750	\$ 16,235	\$ 7,232	\$ 1,978	\$ 1,910	\$ 185,515	\$ 341
4	Operating Expense Plus Return	\$ 21,418,005	\$ 3,094,532	\$ 26,738	\$ 29,084	\$ 3,072	\$ 77,734	\$ 40,033	\$ 10,356	\$ 11,566	\$ 643,126	\$ 1,463
5	Less: Revenue Credits	\$ 359,070	\$ 42,450	\$ 439	\$ 358	\$ 44	\$ 781	\$ 311	\$ 87	\$ 80	\$ 179,608	\$ 20
6	Customer Cost Component (Revenue Requirement)	\$ 21,058,935	\$ 3,052,082	\$ 26,299	\$ 28,726	\$ 3,028	\$ 76,953	\$ 39,722	\$ 10,269	\$ 11,486	\$ 463,518	\$ 1,443
7	Total Customers	132,136	13,117	192	93	13	133	38	10	11	667	6
8	Annual Revenue / Customer	\$ 159.37	\$ 232.68	\$ 136.97	\$ 308.88	\$ 232.92	\$ 578.59	\$ 1,045.32	\$ 1,026.90	\$ 1,044.18	\$ 694.93	\$ 240.50
9	Monthly Revenue / Customer	\$ 13.28	\$ 19.39	\$ 11.41	\$ 25.74	\$ 19.41	\$ 48.22	\$ 87.11	\$ 85.58	\$ 87.02	\$ 57.91	\$ 20.04

DUKE ENERGY KENTUCKY, INC.
 FUNCTIONAL ELECTRIC COST OF SERVICE
 CASE NO: 2022-00372
 DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATEC
 TYPE OF FILING: "X" ORIGINAL UPDATED REVISED

FR-16(7)(v)-1
 WITNESS RESPONSIBLE:
 JAMES E. ZIOLKOWSKI
 PAGE 2 OF 18

LINE NO.	GROSS ELECTRIC PLANT IN SERVICE	ALLO	TOTAL ELECTRIC	FUNCTIONAL			TOTAL AT ISSUE	ALL OTHER
				PRODUCTION	TRANSMISSION	DISTRIBUTION		
				3	4	5		
1	PRODUCTION PLANT							
2	PRODUCTION STEAM	K201	889,392,853	889,392,853	0	0	889,392,853	0
3	PRODUCTION OTHER	K201	362,888,366	362,888,366	0	0	362,888,366	0
4	ADJUSTMENT	K201	0	0	0	0	0	0
5	PRODUCTION PLANT IN SERVICE		1,252,281,219	1,252,281,219	0	0	1,252,281,219	0
6								
7	TRANSMISSION PLANT							
8	MAIN STEP-UP TRANSFORMERS	K202	0	0	0	0	0	0
9	OTHER TRANSMISSION	K202	134,522,697	0	134,522,697	0	134,522,697	0
10	ADJUSTMENT	K202	0	0	0	0	0	0
11	TRANSMISSION PLANT IN SERVICE		134,522,697	0	134,522,697	0	134,522,697	0
12								
13	TOTAL PROD & TRANS PLANT		1,386,803,916	1,252,281,219	134,522,697	0	1,386,803,916	0
14								
15	DISTRIBUTION PLANT							
16	SUBSTATIONS	K215	154,175,084	0	0	154,175,084	154,175,084	0
17	POLES, TOWERS & FIXTURES - PRIMARY - DEMAND	K205	45,187,593	0	0	45,187,593	45,187,593	0
18	POLES, TOWERS & FIXTURES - PRIMARY - CUSTOMER	K405	17,312,198	0	0	17,312,198	17,312,198	0
19	POLES, TOWERS & FIXTURES - SECONDARY - DEMAND	K206	16,331,203	0	0	16,331,203	16,331,203	0
20	POLES, TOWERS & FIXTURES - SECONDARY - CUSTOMER	K405	4,502,061	0	0	4,502,061	4,502,061	0
21	CONDUCTORS - OVERHEAD / PRIMARY - DEMAND	K205	98,502,589	0	0	98,502,589	98,502,589	0
22	CONDUCTORS - OVERHEAD / PRIMARY - CUSTOMER	K405	20,164,554	0	0	20,164,554	20,164,554	0
23	CONDUCTORS - OVERHEAD / SECONDARY - DEMAND	K206	39,256,773	0	0	39,256,773	39,256,773	0
24	CONDUCTORS - OVERHEAD / SECONDARY - CUSTOMER	K405	9,212,905	0	0	9,212,905	9,212,905	0
25	CONDUCTORS - UNDERGROUND / PRIMARY - DEMAND	K205	95,410,303	0	0	95,410,303	95,410,303	0
26	CONDUCTORS - UNDERGROUND / PRIMARY - CUSTOMER	K405	21,283,865	0	0	21,283,865	21,283,865	0
27	CONDUCTORS - UNDERGROUND / SECONDARY - DEMAND	K206	20,003,276	0	0	20,003,276	20,003,276	0
28	CONDUCTORS - UNDERGROUND / SECONDARY - CUSTOMER	K405	3,897,939	0	0	3,897,939	3,897,939	0
29	TRANSFORMERS DEMAND RELATED	K215	64,337,631	0	0	64,337,631	64,337,631	0
30	TRANSFORMERS CUSTOMER RELATED	K405	18,881,149	0	0	18,881,149	18,881,149	0
31	SERVICES	K217	23,323,190	0	0	23,323,190	23,323,190	0
32	METERS	K407	33,379,247	0	28,039	33,351,208	33,379,247	0
33	STREET LIGHTS	K401	7,802,190	0	0	7,802,190	7,802,190	0
34	ADJUSTMENT	K209	0	0	0	0	0	0
35	CONSTRUCTION NOT CLASSIFIED	K209	0	0	0	0	0	0
36	RWIP	K215	0	0	0	0	0	0
37	DISTRIBUTION PLANT IN SERVICE		692,963,750	0	28,039	692,935,711	692,963,750	0
38								
39	TOTAL TRANS & DIST PLANT		827,486,447	0	134,550,736	692,935,711	827,486,447	0
40	TOTAL GROSS PTD PLANT		2,079,767,666	1,252,281,219	134,550,736	692,935,711	2,079,767,666	0

41								
42	GENERAL & INTANGIBLE PLANT							
43	PRODUCTION - DEMAND	K201	28,970,759	28,970,759	0	0	28,970,759	0
44	PRODUCTION - ENERGY	K301	17,000,078	17,000,078	0	0	17,000,078	0
45	TRANSMISSION	K202	2,727,793	0	2,727,793	0	2,727,793	0
46	DISTRIBUTION - DEMAND	K201	8,636,446	8,636,446	0	0	8,636,446	0
47	DISTRIBUTION - CUSTOMER	K405	2,025,833	0	0	2,025,833	2,025,833	0
48	CUSTOMER ACCOUNTING	A308	6,903,466	0	1,105	6,902,361	6,903,466	0
49	CUSTOMER SERVICE & INFORMATION	A310	273,216	0	0	273,216	273,216	0
50	SALES	A312	0	0	0	0	0	0
51	ADJUSTMENT	A315	0	0	0	0	0	0
52	<u>GEN & INTANG PLANT IN SERVICE</u>		66,537,591	54,607,283	2,728,898	9,201,410	66,537,591	0
53								
54	COMMON & OTHER PLANT							
55	PRODUCTION - DEMAND	K201	14,509,826	14,509,826	0	0	14,509,826	0
56	PRODUCTION - ENERGY	K301	8,514,385	8,514,385	0	0	8,514,385	0
57	TRANSMISSION	K202	1,366,199	0	1,366,199	0	1,366,199	0
58	DISTRIBUTION - DEMAND	K201	4,325,511	4,325,511	0	0	4,325,511	0
59	DISTRIBUTION - CUSTOMER	K405	1,014,626	0	0	1,014,626	1,014,626	0
60	CUSTOMER ACCOUNTING	A308	3,457,559	0	553	3,457,006	3,457,559	0
61	CUSTOMER SERVICE & INFORMATION	A310	136,839	0	0	136,839	136,839	0
62	SALES	A312	0	0	0	0	0	0
63	ADJUSTMENT	A315	0	0	0	0	0	0
64	<u>COMMON & OTHER PLANT IN SERVICE</u>		33,324,945	27,349,722	1,366,752	4,608,471	33,324,945	0
65								
66	GROSS ELECTRIC PLANT IN SERVICE		2,179,630,202	1,334,238,224	138,646,386	706,745,592	2,179,630,202	0

DUKE ENERGY KENTUCKY, INC.
 PRODUCTION CLASSIFIED - ELECTRIC COST OF SERVICE
 CASE NO: 2022-00372
 DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED
 TYPE OF FILING: "X" ORIGINAL UPDATED REVISED

FR-16(7)(v)-2
 WITNESS RESPONSIBLE:
 JAMES E. ZIOLKOWSKI
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LINE NO.	ALLOCATORS	SOURCE	ALLO	TOTAL PRODUCTION	CLASSIFIED			TOTAL AT ISSUE	ALL OTHER
					DEMAND	ENERGY	CUSTOMER		
	Schedule 12.2		1	2	3	4	5		
1	WEIGHTED O & M EXPENSE RATIOS								
2	WTD PROD DEMAND O&M EXP RATIOS	Internal	P349	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
3	WTD PROD ENERGY O&M EXP RATIOS	Internal	E349	1.00000	0.00000	1.00000	0.00000	1.00000	0.00000
4	WTD TOTAL PROD O&M EXP RATIOS	Internal	P459	1.00000	0.00000	1.00000	0.00000	1.00000	0.00000
5	WTD TRANS O&M EXP RATIOS	Internal	T349	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
6	WTD DIST O&M EXP RATIOS	Internal	D349	1.00000	1.00000	0.00000	0.00000	1.00000	0.00000
7	WTD UNCOLLECTIBLE ACCOUNT O&M	Internal	C311	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
8	WTD CUST ACCT O&M EXP RATIOS	Internal	C319	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
9	WTD CUST SERV & INFO O&M EXP RATIOS	Internal	C331	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
10	WTD SALES O&M EXP RATIOS	Internal	S319	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
11	WTD O&M EXP RATIOS	Internal	OM39	1.00000	0.06693	0.93307	0.00000	1.00000	0.00000
12									
13	A & G EXPENSES								
14	WTD PROD DEMAND A&G EXP RATIOS	Internal	A300	1.00000	1.00000	0.00000	0.00000	1.00000	0.00000
15	WTD PROD ENERGY A&G EXP RATIOS	Internal	A302	1.00000	0.00000	1.00000	0.00000	1.00000	0.00000
16	WTD TRANS A&G EXP RATIOS	Internal	A304	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
17	WTD DIST A&G EXP RATIOS	Internal	A306	1.00000	1.00000	0.00000	0.00000	1.00000	0.00000
18	WTD CUST ACCT A&G EXP RATIOS	Internal	A308	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
19	WTD CUST SERV & INFO A&G EXP RATIOS	Internal	A310	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
20	WTD SALES A&G EXP RATIOS	Internal	A312	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
21	WTD A&G EXPENSE UNADJUSTED	Internal	A315	1.00000	0.63188	0.36812	0.00000	1.00000	0.00000
22	WTD A&G EXP RATIOS	Internal	A357	1.00000	0.63188	0.36812	0.00000	1.00000	0.00000
23									
24	DEPRECIATION EXPENSES								
25	WTD PRODUCTION DEPREC RATIOS	Internal	P489	1.00000	1.00000	0.00000	0.00000	1.00000	0.00000
26	WTD TRANS DEPREC RATIOS	Internal	T489	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
27	WTD DIST DEPREC RATIOS	Internal	D489	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
28	WTD GENERAL DEPREC EXP RATIOS	Internal	G489	1.00000	0.68978	0.31022	0.00000	1.00000	0.00000
29	WTD COM & OTHER DEP EXP RATIOS	Internal	C489	1.00000	0.68843	0.31157	0.00000	1.00000	0.00000
30	WTD TOT DEPREC EXP RATIOS	Internal	DE49	1.00000	0.95441	0.04559	0.00000	1.00000	0.00000
31									
32	OTHER TAXES & MISC EXPENSES								
33	WTD R. E. & PROP TAX RATIOS	Internal	L529	1.00000	0.97846	0.02154	0.00000	1.00000	0.00000
34	WTD MISC TAX RATIOS	Internal	L589	1.00000	0.63188	0.36812	0.00000	1.00000	0.00000
35	WTD OTHER TAX RATIOS	Internal	L599	1.00000	1.00419	(0.00419)	0.00000	1.00000	0.00000
36	WTD OP EXP EX IT & REV RATIOS	Internal	OP69	1.00000	0.26130	0.73870	0.00000	1.00000	0.00000
37									
38	TOTAL COST OF SERVICE								
39	WTD TOTAL COST OF SERVICE	Internal	CS09	1.00000	0.35662	0.64338	0.00000	1.00000	0.00000
40									
41	WAGES & SALARIES (K600-K639)								
42	WTD RATIOS	Internal	K669						

DUKE ENERGY KENTUCKY, INC.
 TRANSMISSION CLASSIFIED - ELECTRIC COST OF SERVICE
 CASE NO: 2022-00372
 DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED
 TYPE OF FILING: "X" ORIGINAL UPDATED REVISED

FR-16(7)(v)-6
 WITNESS RESPONSIBLE:
 JAMES E. ZIOLKOWSKI
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LINE NO.	ALLOCATORS	SOURCE	ALLO	TOTAL TRANSMISSION	CLASSIFIED			TOTAL AT ISSUE	ALL OTHER
					DEMAND	ENERGY	CUSTOMER		
	Schedule 12.2		1	2	3	4	5		
1	WEIGHTED O & M EXPENSE RATIOS								
2	WTD PROD DEMAND O&M EXP RATIOS	Internal	P349	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
3	WTD PROD ENERGY O&M EXP RATIOS	Internal	E349	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
4	WTD TOTAL PROD O&M EXP RATIOS	Internal	P459	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
5	WTD TRANS O&M EXP RATIOS	Internal	T349	1.00000	1.00000	0.00000	0.00000	1.00000	0.00000
6	WTD DIST O&M EXP RATIOS	Internal	D349	1.00000	0.00000	0.00000	1.00000	1.00000	0.00000
7	WTD UNCOLLECTIBLE ACCOUNT O&M	Internal	C311	1.00000	0.00000	0.00000	1.00000	1.00000	0.00000
8	WTD CUST ACCT O&M EXP RATIOS	Internal	C319	1.00000	0.00000	0.00000	1.00000	1.00000	0.00000
9	WTD CUST SERV & INFO O&M EXP RATIOS	Internal	C331	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
10	WTD SALES O&M EXP RATIOS	Internal	S319	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
11	WTD O&M EXP RATIOS	Internal	OM39	1.00000	0.99994	0.00000	0.00006	1.00000	0.00000
12									
13	A & G EXPENSES								
14	WTD PROD DEMAND A&G EXP RATIOS	Internal	A300	1.00000	0.00000	0.00000	0.00000		
15	WTD PROD ENERGY A&G EXP RATIOS	Internal	A302	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
16	WTD TRANS A&G EXP RATIOS	Internal	A304	1.00000	1.00000	0.00000	0.00000	1.00000	0.00000
17	WTD DIST A&G EXP RATIOS	Internal	A306	1.00000	0.00000	0.00000	1.00000	1.00000	0.00000
18	WTD CUST ACCT A&G EXP RATIOS	Internal	A308	1.00000	0.00000	0.00000	1.00000	1.00000	0.00000
19	WTD CUST SERV & INFO A&G EXP RATIOS	Internal	A310	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
20	WTD SALES A&G EXP RATIOS	Internal	A312	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
21	WTD A&G EXPENSE UNADJUSTED	Internal	A315	1.00000	0.99948	0.00000	0.00052	1.00000	0.00000
22	WTD A&G EXP RATIOS	Internal	A357	1.00000	0.99948	0.00000	0.00052	1.00000	0.00000
23									
24	DEPRECIATION EXPENSES								
25	WTD PRODUCTION DEPREC RATIOS	Internal	P489	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
26	WTD TRANS DEPREC RATIOS	Internal	T489	1.00000	1.00000	0.00000	0.00000	1.00000	0.00000
27	WTD DIST DEPREC RATIOS	Internal	D489	1.00000	0.00000	0.00000	1.00000	1.00000	0.00000
28	WTD GENERAL DEPREC EXP RATIOS	Internal	G489	1.00000	0.99960	0.00000	0.00040	1.00000	0.00000
29	WTD COM & OTHER DEP EXP RATIOS	Internal	C489	1.00000	0.99953	0.00000	0.00047	1.00000	0.00000
30	WTD TOT DEPREC EXP RATIOS	Internal	DE49	1.00000	0.99974	0.00000	0.00026	1.00000	0.00000
31									
32	OTHER TAXES & MISC EXPENSES								
33	WTD R. E. & PROP TAX RATIOS	Internal	L529	1.00000	0.99984	0.00000	0.00016	1.00000	0.00000
34	WTD MISC TAX RATIOS	Internal	L589	1.00000	0.99948	0.00000	0.00052	1.00000	0.00000
35	WTD OTHER TAX RATIOS	Internal	L599	1.00000	0.99985	0.00000	0.00015	1.00000	0.00000
36	WTD OP EXP EX IT & REV RATIOS	Internal	OP69	1.00000	0.99992	0.00000	0.00008	1.00000	0.00000
37									
38	TOTAL COST OF SERVICE								
39	WTD TOTAL COST OF SERVICE	Internal	CS09	1.00000	0.99991	0.00000	0.00009	1.00000	0.00000
40									
41	WAGES & SALARIES (K600-K639)								
42	WTD RATIOS	Internal	K669						

DUKE ENERGY KENTUCKY, INC.
 TRANSMISSION DEMAND ALLOCATED - ELECTRIC COST OF SERVICE
 CASE NO: 2022-00372
 DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED
 TYPE OF FILING: "X" ORIGINAL UPDATED REVISED

FR-16(7)(v)-7
 WITNESS RESPONSIBLE:
 JAMES E. ZIOLKOWSKI
 PAGE 1 OF 18

LINE NO.	SUMMARY OF RESULTS	ALLO	TOTAL TRANSMISSION DEMAND	RS RESIDENTIAL	DS SECONDARY DISTRIBUTION	GSFL SECONDARY DISTRIBUTION	EH SECONDARY DISTRIBUTION	SP SECONDARY DISTRIBUTION	DT SEC SECONDARY DISTRIBUTION	DT PRI PRIMARY DISTRIBUTION	DP PRIMARY DISTRIBUTION	TT TRANSMISSION TIME OF DAY	LT LIGHTING	OTHER WATER PUMPING	TOTAL AT ISSUE	ALL OTHER
				3	4	5	6	7	8	9	10	11	12	13		
1	NET INCOME COMPUTATION	Schedule 1														
2	GROSS ELECTRIC PLANT IN SERVICE		138,616,689	62,913,960	37,915,822	182,974	655,656	5,545	17,437,979	13,352,945	352,087	4,829,405	967,544	2,772	138,616,689	0
3	TOTAL DEPRECIATION RESERVE		(9,816,786)	(4,455,545)	(2,685,185)	(12,959)	(46,433)	(393)	(1,234,951)	(945,651)	(24,935)	(342,017)	(68,520)	(197)	(9,816,786)	0
4	TOTAL RATE BASE ADJUSTMENTS		(23,330,726)	(10,589,117)	(6,381,653)	(30,797)	(110,355)	(932)	(2,935,006)	(2,247,449)	(59,259)	(812,842)	(162,849)	(467)	(23,330,726)	0
5	TOTAL RATE BASE		105,469,177	47,869,298	28,848,984	139,218	498,868	4,220	13,268,022	10,159,845	267,893	3,674,546	736,175	2,108	105,469,177	0
6																
7	OPERATING EXPENSES															
8	TOTAL O&M EXPENSE		29,886,548	13,564,613	8,174,866	39,449	141,363	1,193	3,759,726	2,878,970	75,912	1,041,248	208,610	598	29,886,548	0
9	TOTAL DEPRECIATION EXPENSE		3,199,687	1,452,239	875,211	4,224	15,134	129	402,521	308,226	8,127	111,478	22,334	64	3,199,687	0
10	TOTAL OTHER TAX & MISC EXPENSE		1,865,367	846,497	510,302	2,464	8,821	74	234,693	179,719	4,739	64,998	13,015	45	1,865,367	0
11	TOTAL OP EXP EXCLUDING INC & REV TAX		34,951,602	15,863,349	9,560,379	46,137	165,318	1,396	4,396,940	3,366,915	88,778	1,217,724	243,959	707	34,951,602	0
12	NET FED INCOME TAX EXP ALLOWABLE		1,639,391	744,072	448,423	2,163	7,754	65	206,236	157,922	4,165	57,116	11,443	32	1,639,391	0
13	NET STATE INCOME TAX EXP ALLOWABLE		302,188	137,154	82,658	399	1,429	12	38,015	29,110	768	10,528	2,109	6	302,188	0
14	RESERVED	CW29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	REVENUE TAX		0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	TOTAL OPERATING EXPENSE		36,893,181	16,744,575	10,091,460	48,699	174,501	1,473	4,641,191	3,553,947	93,711	1,285,368	257,511	745	36,893,181	0
17																
18	RETURN ON RATE BASE		7,585,467	3,442,815	2,074,853	10,013	35,879	303	954,252	730,708	19,267	264,278	52,947	152	7,585,467	0
19	TOTAL OTHER OPERATING REVENUES		0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	TOTAL ELECTRIC COST OF SERVICE		44,478,648	20,187,390	12,166,313	58,712	210,380	1,776	5,595,443	4,284,655	112,978	1,549,646	310,458	897	44,478,648	0

DUKE ENERGY KENTUCKY, INC.
 TRANSMISSION CUSTOMER ALLOCATED - ELECTRIC COST OF SERVICE
 CASE NO: 2022-00372
 DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED
 TYPE OF FILING: "X" ORIGINAL UPDATED REVISED

FR-16(7)(v)-9
 WITNESS RESPONSIBLE:
 JAMES E. ZIOLKOWSKI
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LINE NO.	WORKING CAPITAL	ALLO	TOTAL TRANSMISSION CUSTOMER	RS RESIDENTIAL 3	DS SECONDARY DISTRIBUTION 4	GSFL SECONDARY DISTRIBUTION 5	EH SECONDARY DISTRIBUTION 6	SP SECONDARY DISTRIBUTION 7	DT SEC SECONDARY DISTRIBUTION 8	DT PRI PRIMARY DISTRIBUTION 9	DP PRIMARY DISTRIBUTION 10	TT TRANSMISSION TIME OF DAY 11	LT LIGHTING 12	OTHER WATER PUMPING 13	TOTAL AT ISSUE	ALL OTHER
1	NET ORIGINAL COST RATE BASE		16,218	13,196	2,809	0	27	3	95	56	13	17	1	1	16,218	0
2																
3	WORKING CAPITAL															
4																
5	PLANT MATERIALS & SUPPLIES															
6	OTHER MATERIALS & SUPPLIES	PD29	316	273	26	0	0	0	8	6	1	1	1	0	316	0
7	FUEL	K301	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	EMISSION ALLOWANCES	K301	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	TOTAL PLANT MATS. & SUPPLIES		316	273	26	0	0	0	8	6	1	1	1	0	316	0
10	TOTAL MATERIALS & SUPPLIES		316	273	26	0	0	0	8	6	1	1	1	0	316	0
11																
12	PREPAYMENTS															
13	INSURANCE GENERAL	NP29	8	7	1	0	0	0	0	0	0	0	0	0	8	0
14	EXCISE TAX	NP29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	COLLATERAL ASSET	K301	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	TOTAL PREPAYMENTS		8	7	1	0	0	0	0	0	0	0	0	0	8	0
17																
18	AUTO CALC (O&M-ELECTRIC FUEL COST)/8		0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	TOTAL WORKING CASH		0	0	0	0	0	0	0	0	0	0	0	0	0	0
20																
21	MISCELLANEOUS WORKING CAPITAL															
22	RESERVED FOR FUTURE USE	K301	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PIPP UNCOLLECTIBLES	A315	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	RESERVED FOR FUTURE USE	D249	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	TOTAL MISC WORK CAPITAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0
26																
27	TOTAL WORKING CAPITAL		324	280	27	0	0	0	8	6	1	1	1	0	324	0
28	PRELIMINARY SUMMARY															
29	TOTAL ACCUMULATED DEFERRED INCOME TAXES		(3,869)	(3,150)	(670)	0	(6)	0	(23)	(13)	(3)	(4)	0	0	(3,869)	0
30	TOTAL OTHER ACCUMULATED DEFERRED INCOME TAXES		0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	TOTAL WORKING CAPITAL		324	280	27	0	0	0	8	6	1	1	1	0	324	0
32	TOTAL RATE BASE ADJUSTMENTS		(3,545)	(2,870)	(643)	0	(6)	0	(15)	(7)	(2)	(3)	1	0	(3,545)	0
33																
34	RATE BASE CALCULATION															
35	NET ELECTRIC PLANT IN SERVICE		20,087	16,346	3,479	0	33	3	118	69	16	21	1	1	20,087	0
36	TOTAL RATE BASE ADJUSTMENTS		(3,545)	(2,870)	(643)	0	(6)	0	(15)	(7)	(2)	(3)	1	0	(3,545)	0
37	TOTAL RATE BASE		16,542	13,476	2,836	0	27	3	103	62	14	18	2	1	16,542	0
38																
39	TOTAL RATE OF RETURN ALLOWABLE		0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0
40	RETURN ON RATE BASE		1,189	970	204	0	2	0	7	4	1	1	0	0	1,189	0
41																
42	ELECTRIC RATE BASE	RB99	16,878	13,750	2,894	0	28	3	105	63	14	18	2	1	16,878	0
43	TOTAL RATE OF RETURN ALLOWABLE		0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0
44	RETURN ON RATE BASE		1,214	989	208	0	2	0	8	5	1	1	0	0	1,214	0

DUKE ENERGY KENTUCKY, INC.
 TRANSMISSION CUSTOMER ALLOCATED - ELECTRIC COST OF SERVICE
 CASE NO: 2022-00372
 DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED
 TYPE OF FILING: "X" ORIGINAL UPDATED REVISED

FR-16(7)(v)-9
 WITNESS RESPONSIBLE:
 JAMES E. ZIOLKOWSKI
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LINE NO.	O&M EXPENSES	ALLO	TOTAL	RS	DS	GSFL	EH	SP	DT SEC	DT PRI	DP	TT	LT	OTHER	TOTAL	ALL
			TRANSMISSION CUSTOMER	RESIDENTIAL	SECONDARY DISTRIBUTION	SECONDARY DISTRIBUTION	SECONDARY DISTRIBUTION	SECONDARY DISTRIBUTION	SECONDARY DISTRIBUTION	SECONDARY DISTRIBUTION	PRIMARY DISTRIBUTION	PRIMARY DISTRIBUTION	TRANSMISSION TIME OF DAY	LIGHTING	WATER PUMPING	AT ISSUE
		Schedule 6		3	4	5	6	7	8	9	10	11	12	13		
1	PRODUCTION O&M															
2	ENERGY RELATED PRODUCTION O&M															
3	FUEL	K302	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	FUEL AND PURCHASED POWER ADJUSTMENT	K302	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	EMISSION ALLOWANCES	K301	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	ELIMINATE EMISSION ALLOW & OTHER VAR COST	K301	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	OTHER PRODUCTION EXPENSE - MAINTENANCE	K301	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	MISO TRANSMISSION CHARGES - ACCT 555	K301	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	TOTAL ENERGY RELATED		0	0	0	0	0	0	0	0	0	0	0	0	0	0
10																
11	DEMAND RELATED & OTHER PROD O&M															
12	OTHER PRODUCTION EXPENSES - OPERATIONS	K201	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	TOTAL DEMAND REL & OTH PROD O&M		0	0	0	0	0	0	0	0	0	0	0	0	0	0
14																
15	TOTAL PRODUCTION O&M		0	0	0	0	0	0	0	0	0	0	0	0	0	0
16																
17	TRANSMISSION O & M															
18	TRANSFORMER LEASE PAYMENTS	K202	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	OTHER TRANSMISSION	K202	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	MISCELLANEOUS ADJUSTMENTS	K202	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	NETWORK SERVICE RATES ADJUSTMENT	K202	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	TOTAL TRANSMISSION O & M		0	0	0	0	0	0	0	0	0	0	0	0	0	0
23																
24	REGIONAL MARKET O&M															
25	MARKET FACILITATION - MONITORING & COMPLIANCE	K202	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	TOTAL REGIONAL MARKET O&M		0	0	0	0	0	0	0	0	0	0	0	0	0	0
27																
28	DISTRIBUTION O & M															
29	SUBSTATIONS	K201	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	POLES, TOWERS & FIXTURES	PL49	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	OVERHEAD LINES - PRIMARY / DEMAND	K205	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	OVERHEAD LINES - PRIMARY / CUSTOMER	K405	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	OVERHEAD LINES - SECONDARY / DEMAND	K206	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	OVERHEAD LINES - SECONDARY / CUSTOMER	K405	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	UNDERGROUND LINES - PRIMARY / DEMAND	K205	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	UNDERGROUND LINES - PRIMARY / CUSTOMER	K405	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	UNDERGROUND LINES - SECONDARY / DEMAND	K206	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	UNDERGROUND LINES - SECONDARY / CUSTOMER	K405	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	TRANSFORMERS DEMAND RELATED	K203	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	TRANSFORMERS CUSTOMER RELATED	K401	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	OTHER MAINTENANCE	K203	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	LOAD DISPATCH	K215	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	METERS	K407	463	377	82	0	1	0	2	1	0	0	0	0	463	0
44	STREET LIGHTING AND SIGNAL SYSTEMS	K401	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	OTHER OPERATIONS	K203	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	MISCELLANEOUS EXPENSES ADJUSTMENT	K203	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	AFFILIATED COMPANY RENTS ADJUSTMENT	D249	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	TOTAL DISTRIBUTION O & M		463	377	82	0	1	0	2	1	0	0	0	0	463	0
49																
50	CUSTOMER ACCOUNTING															
51	CUSTOMER ACCOUNTING EXPENSE	K409	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	UNCOLLECTIBLE EXP	K411	10,218	8,982	618	4	8	0	283	221	7	79	11	5	10,218	0
53	METER READING	K407	117	95	21	0	0	0	1	0	0	0	0	0	117	0
54	UNCOLLECTIBLE EXP ADJUSTMENT	K411	(13,985)	(12,292)	(847)	(6)	(12)	0	(387)	(302)	(9)	(109)	(14)	(7)	(13,985)	0
55	CREDIT CARD FEES	K407	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	ELIMINATE REV & EXP - DSM RIDER	K405	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	SALE OF A/R	K411	4,289	3,769	260	2	4	0	119	93	3	33	4	2	4,289	0
58	ELIMINATE MISC EXPENSE	K405	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	TOTAL CUSTOMER ACCT EXPENSE		639	554	52	0	0	0	16	12	1	3	1	0	639	0

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LINE NO.	O&M EXPENSES	ALLO	TOTAL TRANSMISSION CUSTOMER	RS RESIDENTIAL	DS SECONDARY DISTRIBUTION	GSFL SECONDARY DISTRIBUTION	EH SECONDARY DISTRIBUTION	SP SECONDARY DISTRIBUTION	DT SEC SECONDARY DISTRIBUTION	DT PRI PRIMARY DISTRIBUTION	DP PRIMARY DISTRIBUTION	TT TRANSMISSION TIME OF DAY	LT LIGHTING	OTHER WATER PUMPING	TOTAL AT ISSUE	ALL OTHER
				3	4	5	6	7	8	9	10	11	12	13		
1	CUSTOMER SERVICE & INFORMATION	Schedule 6.1														
2	TOTAL CUST SERVICE & INFO	K405	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	INFORMATIONAL & INSTRUCTIONAL ADV	K405	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	TOTAL CUSTOMER SERV. & INFO.		0	0	0	0	0	0	0	0	0	0	0	0	0	0
5																
6	SALES															
7	SALES EXPENSE	K405	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	TOTAL SALES EXPENSE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
9																
10	ADMINISTRATIVE & GENERAL															
11	PRODUCTION - DEMAND RELATED	P349	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PRODUCTION - ENERGY RELATED	E349	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	TRANSMISSION	T349	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	DISTRIBUTION	D349	177	145	31	0	0	0	1	0	0	0	0	0	177	0
15	CUSTOMER ACCOUNTING	C319	611	530	50	0	0	0	15	11	1	3	1	0	611	0
16	CUSTOMER SERVICE & INFORMATION	C331	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	SALES	S319	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	TOT ADMIN & GEN LESS REG EXP		788	675	81	0	0	0	16	11	1	3	1	0	788	0
19	RATE CASE EXPENSE ADJUSTMENT	A315	2	2	0	0	0	0	0	0	0	0	0	0	2	0
20	ELIMINATE MISCELLANEOUS EXPENSES ADJUSTMENT	A315	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	RIDER ESM ELIMINATION	A315	(139)	(119)	(14)	0	0	0	(3)	(2)	0	(1)	0	0	(139)	0
22	ELIMINATE DSM	A315	(5)	(4)	(1)	0	0	0	0	0	0	0	0	0	(5)	0
23	DSM DEFERRAL - ELECTRIC	A315	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PENSION ADJUSTMENT	A315	(22)	(20)	(2)	0	0	0	0	0	0	0	0	0	(22)	0
25	ELIMINATE MISC EXPENSES	A315	(22)	(20)	(2)	0	0	0	0	0	0	0	0	0	(22)	0
26	ELIMINATE MERGER COSTS AND CREDITS	A315	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	ANNUALIZE KYPSC MAINT TAX	A315	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	REMOVE INCENTIVE COMP	A315	(47)	(40)	(5)	0	0	0	(1)	(1)	0	0	0	0	(47)	0
29	CREDIT CARD FEES	A315	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	ELIMINATE INCENTIVE COMPENSATION ADJUSTMENT	A315	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	AMORTIZATION OF DEFERRAL ASSET	A315	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	AMORTIZATION OF DEFERRED EXPENSES	A315	43	37	4	0	0	0	1	1	0	0	0	0	43	0
33	TOTAL ADMIN. & GENERAL		588	511	61	0	0	0	13	9	1	2	1	0	588	0
34																
35	TOTAL O & M EXPENSE		1,700	1,442	195	0	1	0	31	22	2	5	2	0	1,700	0

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LINE NO.	DEPRECIATION EXPENSE	ALLO	TOTAL TRANSMISSION CUSTOMER	RS RESIDENTIAL	DS SECONDARY DISTRIBUTION	GSFL SECONDARY DISTRIBUTION	EH SECONDARY DISTRIBUTION	SP SECONDARY DISTRIBUTION	DT SEC SECONDARY DISTRIBUTION	DT PRI PRIMARY DISTRIBUTION	DP PRIMARY DISTRIBUTION	TT TRANSMISSION TIME OF DAY	LT LIGHTING	OTHER WATER PUMPING	TOTAL AT ISSUE	ALL OTHER
		Schedule 7		3	4	5	6	7	8	9	10	11	12	13		
1	PRODUCTION DEPRECIATION															
2	PRODUCTION DEPRECIATION	P229	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	TOTAL PRODUCTION DEPREC EXP.		0	0	0	0	0	0	0	0	0	0	0	0	0	0
4																
5	TRANSMISSION DEPRECIATION															
6	TRANSMISSION DEPRECIATION	T229	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	TOTAL TRANSMISSION DEP. EXP.		0	0	0	0	0	0	0	0	0	0	0	0	0	0
8																
9	DISTRIBUTION DEPRECIATION															
10	DISTRIBUTION DEPRECIATION	D249	709	574	126	0	1	0	4	2	1	1	0	0	709	0
11	TOTAL DIST. DEPREC EXP.		709	574	126	0	1	0	4	2	1	1	0	0	709	0
12																
13	GENERAL DEPRECIATION															
14	GENERAL DEPRECIATION	G229	127	111	10	0	0	0	3	2	0	1	0	0	127	0
15	TOTAL GENERAL DEPREC EXP.		127	111	10	0	0	0	3	2	0	1	0	0	127	0
16																
17	COMMON AND OTHER DEPRECIATION															
18	COMMON DEPRECIATION	C229	(3)	(3)	0	0	0	0	0	0	0	0	0	0	(3)	0
19	TOTAL COM & OTHER DEPREC EXP.		(3)	(3)	0	0	0	0	0	0	0	0	0	0	(3)	0
20																
21																
22	TOTAL DEPRECIATION EXPENSE		833	682	136	0	1	0	7	4	1	2	0	0	833	0

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LINE NO.	OTHER TAXES & MISC EXPENSES	ALLO	TOTAL TRANSMISSION CUSTOMER	RS RESIDENTIAL	DS SECONDARY DISTRIBUTION	GSFL SECONDARY DISTRIBUTION	EH SECONDARY DISTRIBUTION	SP SECONDARY DISTRIBUTION	DT SEC SECONDARY DISTRIBUTION	DT PRI PRIMARY DISTRIBUTION	DP PRIMARY DISTRIBUTION	TT TRANSMISSION TIME OF DAY	LT LIGHTING	OTHER WATER PUMPING	TOTAL AT ISSUE	ALL OTHER
		Schedule 8		3	4	5	6	7	8	9	10	11	12	13		
1	TAXES OTHER THAN INC & REV															
2	REAL ESTATE & PROPERTY TAX															
3	REAL ESTATE & PROPERTY TAX	NP29	305	248	53	0	1	0	2	1	0	0	0	0	305	0
4	ANNUALIZE PROPERTY TAX	NP29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	TOTAL REAL ESTATE & PROPERTY TAX		305	248	53	0	1	0	2	1	0	0	0	0	305	0
6																
7	MISCELLANEOUS TAXES															
8	PAYROLL	A315	41	35	4	0	0	0	1	1	0	0	0	0	41	0
9	ELIMINATE DSM	A315	(63)	(55)	(6)	0	0	0	(1)	(1)	0	0	0	0	(63)	0
10	FRANCHISE & LICENSE	A315	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	ELIMINATE ESM	A315	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	TOTAL MISCELLANEOUS TAXES		(22)	(20)	(2)	0	0	0	0	0	0	0	0	0	(22)	0
13																
14	MISCELLANEOUS EXPENSES															
15	PSC MAINT. EXP ON INCREASE	K902	2	1	1	0	0	0	0	0	0	0	0	0	2	0
16	RESERVED FOR FUTURE USE	K902	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	TOTAL MISCELLANEOUS EXPENSES		2	1	1	0	0	0	0	0	0	0	0	0	2	0
18																
19	TOTAL OTHER TAX & MISC EXPENSE		285	229	52	0	1	0	2	1	0	0	0	0	285	0
20																
21	PRELIMINARY SUMMARY															
22	TOTAL O&M EXPENSE		1,700	1,442	195	0	1	0	31	22	2	5	2	0	1,700	0
23	TOTAL DEPRECIATION EXPENSE		833	682	136	0	1	0	7	4	1	2	0	0	833	0
24	TOTAL OTHER TAX & MISC EXPENSE		285	229	52	0	1	0	2	1	0	0	0	0	285	0
25	TOTAL OPER EXP EXCL INCOME & REV TAX		2,818	2,353	383	0	3	0	40	27	3	7	2	0	2,818	0

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LINE NO.	FEDERAL INCOME TAX BASED ON RETURN	ALLO	TOTAL TRANSMISSION CUSTOMER	RS RESIDENTIAL	DS SECONDARY DISTRIBUTION	GSFL SECONDARY DISTRIBUTION	EH SECONDARY DISTRIBUTION	SP SECONDARY DISTRIBUTION	DT SEC SECONDARY DISTRIBUTION	DT PRI PRIMARY DISTRIBUTION	DP PRIMARY DISTRIBUTION	TT TRANSMISSION TIME OF DAY	LT LIGHTING	OTHER WATER PUMPING	TOTAL AT ISSUE	ALL OTHER
	Schedule 9			3	4	5	6	7	8	9	10	11	12	13		
1	FEDERAL INCOME TAX DEDUCTIONS															
2	AUTOMATIC INTEREST CALCULATION															
3	AUTO PROC INTEREST DED	RB99	356	291	61	0	1	0	2	1	0	0	0	0	356	0
4	TOTAL INTEREST EXPENSE		356	291	61	0	1	0	2	1	0	0	0	0	356	0
5																
6	OTHER DEDUCTIONS															
7	DEPREC EXCESS TAX-BOOK	DE49	(185)	(152)	(30)	0	0	0	(2)	(1)	0	0	0	0	(185)	0
8	PERMANENT DIFFERENCES	A357	(3)	(3)	0	0	0	0	0	0	0	0	0	0	(3)	0
9	TEMPORARY DIFFERENCES	DE49	515	422	84	0	1	0	4	2	1	1	0	0	515	0
10	TOTAL OTHER DEDUCTIONS		327	267	54	0	1	0	2	1	1	1	0	0	327	0
11																
12	NET DEDUCTIONS AND ADDITIONS		683	558	115	0	2	0	4	2	1	1	0	0	683	0
13																
14	FED DEFERRED INCOME TAX (410 & 411)															
15	DEFERRED INCOME TAXES - NET	OM39	37	32	4	0	0	0	1	0	0	0	0	0	37	0
16	AMORT OF DEFERRED MERGER COST	A357	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	DIT ADJUSTMENT - SIL DEPRECIATION	DE49	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	DIT ADJUSTMENT - ARAM	K201	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	DIT ADJUSTMENT - AMORT OF EXCESS DEF TAXES	A357	(99)	(86)	(10)	0	0	0	(2)	(1)	0	0	0	0	(99)	0
20	TOTAL FED DEF IT (410 & 411)		(62)	(54)	(6)	0	0	0	(1)	(1)	0	0	0	0	(62)	0
21																
22	AMORT INV TAX CREDIT															
23	AMORTIZE ITC	NP29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	TOTAL AMORTIZED ITC		0	0	0	0	0	0	0	0	0	0	0	0	0	0
25																
26	OTHER FEDERAL TAX CREDITS															
27	FUEL TAX CREDIT	K301	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	R&D CREDIT - SECTION 41	A315	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	TOTAL OTHER FEDERAL TAX CREDITS		0	0	0	0	0	0	0	0	0	0	0	0	0	0
30																
31	PRELIMINARY SUMMARY															
32	TOTAL FED DEF IT (410 & 411)		(62)	(54)	(6)	0	0	0	(1)	(1)	0	0	0	0	(62)	0
33	TOTAL AMORTIZED ITC & OTHER FEDERAL TAX CREDITS		0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	TOTAL FEDERAL TAX ADJUSTMENTS		(62)	(54)	(6)	0	0	0	(1)	(1)	0	0	0	0	(62)	0
35																
36	FEDERAL INCOME TAX COMPUTATION															
37	RETURN ON RATE BASE		1,214	989	208	0	2	0	8	5	1	1	0	0	1,214	0
38	NET DEDUCTIONS AND ADDITIONS		(683)	(558)	(115)	0	(2)	0	(4)	(2)	(1)	(1)	0	0	(683)	0
39	TOTAL FEDERAL TAX ADJUSTMENTS		(62)	(54)	(6)	0	0	0	(1)	(1)	0	0	0	0	(62)	0
40	TOTAL STATE PROV DEF IT (410 & 411)		37	31	4	0	0	0	1	1	0	0	0	0	37	0
41	RESERVED		0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	BASE FOR FIT COMPUATION		506	408	91	0	0	0	4	3	0	0	0	0	506	0
43																
44	FIT FACTOR K190(1-K190)		0.26582	0.26582	0.26582	0.26582	0.26582	0.26582	0.26582	0.26582	0.26582	0.26582	0.26582	0.26582	0.26582	0.26582
45	PRELIM FED INCOME TAX		135	109	24	0	0	0	1	1	0	0	0	0	135	0
46	TOTAL FEDERAL TAX ADJUSTMENTS		(62)	(54)	(6)	0	0	0	(1)	(1)	0	0	0	0	(62)	0
47	NET FED INCOME TAX ALLOWABLE		73	55	18	0	0	0	0	0	0	0	0	0	73	0
48																
49	INCOME TAX BASED ON RETURN															
50	FEDERAL INCOME TAX PAYABLE															
51	PRELIM FEDERAL INCOME TAX		135	109	24	0	0	0	1	1	0	0	0	0	135	0
52																
53	NET FED INCOME TAX PAYABLE		135	109	24	0	0	0	1	1	0	0	0	0	135	0

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LINE NO.	COST OF SERVICE COMPUTATION	ALLO	TOTAL TRANSMISSION CUSTOMER	RS RESIDENTIAL	DS SECONDARY DISTRIBUTION	GSFL SECONDARY DISTRIBUTION	EH SECONDARY DISTRIBUTION	SP SECONDARY DISTRIBUTION	DT SEC SECONDARY DISTRIBUTION	DT PRI PRIMARY DISTRIBUTION	DP PRIMARY DISTRIBUTION	TT TRANSMISSION TIME OF DAY	LT LIGHTING	OTHER WATER PUMPING	TOTAL AT ISSUE	ALL OTHER
		Schedule 10		3	4	5	6	7	8	9	10	11	12	13		
1	OTHER OPERATING REVENUES															
2	MISC SERVICE REVENUE	D249	6	5	1	0	0	0	0	0	0	0	0	0	6	0
3	RECONNECTION CHARGES	K405	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	POLE & LINE ATTACHMENTS	D249	9	7	2	0	0	0	0	0	0	0	0	0	9	0
5	RENTS	D249	52	43	9	0	0	0	0	0	0	0	0	0	52	0
6	TRANSMISSION CHARGE PTP	T229	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	PJM REACTIVE REVENUE	K401	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	OTHER TRANSMISSION REVENUES	T229	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	BAD CHECK CHARGES	K405	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TOTAL OTHER OPERATING REVS		67	55	12	0	0	0	0	0	0	0	0	0	67	0
11																
12	COST OF SERVICE COMPUTATION															
13	TOTAL OP EXP EXC INC & REV TAX		2,818	2,353	383	0	3	0	40	27	3	7	2	0	2,818	0
14	RETURN ON RATE BASE		1,214	989	208	0	2	0	8	5	1	1	0	0	1,214	0
15	NET FED INCOME TAX ALLOWABLE		73	55	18	0	0	0	0	0	0	0	0	0	73	0
16	NET STATE INCOME TAX ALLOWABLE		59	49	8	0	0	0	1	1	0	0	0	0	59	0
17	TOTAL OTHER OPERATING REVENUES		(67)	(55)	(12)	0	0	0	0	0	0	0	0	0	(67)	0
18	SUBTOTAL B		4,097	3,391	605	0	5	0	49	33	4	8	2	0	4,097	0
19																
20	TOTAL OTHER OPERATING REVENUES		67	55	12	0	0	0	0	0	0	0	0	0	67	0
21	LESS: REVS EXCL FROM REV TAX CALC		0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	OTHER OPERATING REVS TO BE TAXED		67	55	12	0	0	0	0	0	0	0	0	0	67	0
23																
24	REVENUE TAX FACTOR		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
25	REVENUE TAX ON OTHER OPER. REVS		0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	REVENUE TAX ON COST OF SERVICE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	TOTAL REVENUE TAX		0	0	0	0	0	0	0	0	0	0	0	0	0	0
28																
29	RESERVED		0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	TOTAL ELECTRIC COST OF SERVICE		4,097	3,391	605	0	5	0	49	33	4	8	2	0	4,097	0
31																
32	PROPOSED REVENUES		7,888	6,741	805	0	0	0	171	119	13	26	13	0	7,888	0
33	TOTAL ELECTRIC COST OF SERVICE		(4,097)	(3,391)	(605)	0	(5)	0	(49)	(33)	(4)	(8)	(2)	0	(4,097)	0
34	EXCESS REVENUES		3,791	3,350	200	0	(5)	0	122	86	9	18	11	0	3,791	0
35	COMPOSITE TAX RATE		0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925
36	EXCESS TAX		945	836	50	0	(1)	0	30	21	2	4	3	0	945	0
37	EXCESS RETURN		2,846	2,514	150	0	(4)	0	92	65	7	14	8	0	2,846	0

DUKE ENERGY KENTUCKY, INC.
 TRANSMISSION CUSTOMER ALLOCATED - ELECTRIC COST OF SERVICE
 CASE NO: 2022-00372
 DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED
 TYPE OF FILING: "X" ORIGINAL UPDATED REVISED

FR-16(7)(v)-9
 WITNESS RESPONSIBLE:
 JAMES E. ZIOLKOWSKI
 PAGE 16 OF 18

LINE NO.	ALLOCATORS	SOURCE	ALLO	TOTAL TRANSMISSION CUSTOMER	RS RESIDENTIAL	DS SECONDARY DISTRIBUTION	GSFL SECONDARY DISTRIBUTION	EH SECONDARY DISTRIBUTION	SP SECONDARY DISTRIBUTION	DT SEC SECONDARY DISTRIBUTION	DT PRI PRIMARY DISTRIBUTION	DP PRIMARY DISTRIBUTION	TT TRANSMISSION TIME OF DAY	LT LIGHTING	OTHER WATER PUMPING	TOTAL AT ISSUE	ALL OTHER
				1	3	4	5	6	7	8	9	10	11	12	13		
1	DEMAND ENERGY & SPEC. ASSIGN		Schedule 12														
2	TOTAL KW (12 COIN PEAK) - PRODUCTION	External		663,503	301,163	181,485	873	3,136	26	83,466	63,913	1,685	23,115	4,630	11	663,503	0
3	RATIO TO TOTAL ELECTRIC			1.00000	0.45387	0.27353	0.00132	0.00473	0.00004	0.12580	0.09633	0.00254	0.03484	0.00698	0.00002	1.00000	0.00000
4	TOTAL KW (12 COIN PEAK) - TRANSMISSION	External		663,503	301,163	181,485	873	3,136	26	83,466	63,913	1,685	23,115	4,630	11	663,503	0
5	RATIO TO TOTAL ELECTRIC			1.00000	0.45387	0.27353	0.00132	0.00473	0.00004	0.12580	0.09633	0.00254	0.03484	0.00698	0.00002	1.00000	0.00000
6	DISTRIBUTION KW (NON-COIN PEAK)	External		1,532,788	982,296	290,667	1,091	6,885	54	113,290	91,259	2,980	36,813	5,612	41	1,532,788	0
7	RATIO TO TOTAL ELECTRIC			1.00000	0.64085	0.18963	0.00071	0.00567	0.00004	0.07391	0.05954	0.00194	0.02402	0.00366	0.00003	1.00000	0.00000
8	DISTRIBUTION LINE - PRIMARY	External		673,122	310,912	193,179	922	4,214	28	88,513	68,972	1,828	0	4,543	11	673,122	0
9	RATIO TO TOTAL ELECTRIC			1.00000	0.46188	0.28699	0.00137	0.00626	0.00004	0.13150	0.10247	0.00272	0.00000	0.00675	0.00002	1.00000	0.00000
10	DISTRIBUTION LINE - SECONDARY	External		673,122	310,912	193,179	922	4,214	28	88,513	68,972	1,828	0	4,543	11	673,122	0
11	RATIO TO TOTAL ELECTRIC			1.00000	0.46188	0.28699	0.00137	0.00626	0.00004	0.13150	0.10247	0.00272	0.00000	0.00675	0.00002	1.00000	0.00000
12	GROSS DISTRIBUTION PLANT EXCL. CCNC	External		28,039	22,741	4,981	0	49	5	139	76	22	24	0	2	28,039	0
13	RATIO TO TOTAL ELECTRIC			1.00000	0.81104	0.17765	0.00000	0.00175	0.00018	0.00496	0.00271	0.00078	0.00086	0.00000	0.00007	1.00000	0.00000
14	TOTAL DIVERSIFIED CLASS DEMANDS	External		673,122	310,912	193,179	922	4,214	28	88,513	68,972	1,828	0	4,543	11	673,122	0
15	RATIO TO TOTAL ELECTRIC			1.00000	0.46188	0.28699	0.00137	0.00626	0.00004	0.13150	0.10247	0.00272	0.00000	0.00675	0.00002	1.00000	0.00000
16	WEIGHTED CUSTOMER SERVICE	External		147,311	132,136	13,117	192	186	13	665	190	55	687	6	55	147,277	34
17	RATIO TO TOTAL ELECTRIC			1.00000	0.89699	0.08904	0.00130	0.00126	0.00009	0.00451	0.00129	0.00034	0.00037	0.00453	0.00004	0.99976	0.00024
18	TOTAL KWH	External		4,013,759,226	1,525,625,988	1,125,475,032	6,380,177	16,844,601	160,054	612,293,396	503,829,272	12,541,550	192,332,762	18,217,441	58,953	4,013,759,226	0
19	RATIO TO TOTAL ELECTRIC			1.00000	0.38010	0.28040	0.00159	0.00420	0.00004	0.15255	0.12553	0.00312	0.04792	0.00454	0.00001	1.00000	0.00000
20	DISTRIBUTION KWH	External		4,013,759,226	1,525,625,988	1,125,475,032	6,380,177	16,844,601	160,054	612,293,396	503,829,272	12,541,550	180,259,813	18,217,441	58,953	4,001,686,277	12,072,949
21	RATIO TO TOTAL ELECTRIC			1.00000	0.38010	0.28040	0.00159	0.00420	0.00004	0.15255	0.12553	0.00312	0.04491	0.00454	0.00001	0.99989	0.00011
22	TOTAL KWH LESS LIGHTING	External		3,995,541,785	1,525,625,988	1,125,475,032	6,380,177	16,844,601	160,054	612,293,396	503,829,272	12,541,550	192,332,762	0	58,953	3,995,541,785	0
23	RATIO TO TOTAL ELECTRIC			1.00000	0.38183	0.28168	0.00160	0.00422	0.00004	0.15324	0.12610	0.00314	0.04814	0.00000	0.00001	1.00000	0.00000
24	ASSIGN 100% TO RESIDENTIAL	External		1	1	0	0	0	0	0	0	0	0	0	0	1	0
25	RATIO TO TOTAL ELECTRIC			1.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000
26	ASSIGN 100% TO LIGHTING	External		1	0	0	0	0	0	0	0	0	0	1	0	1	0
27	RATIO TO TOTAL ELECTRIC			1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
28	DISTRIBUTION CUSTOMERS	External		146,427	132,136	13,122	192	93	13	135	38	10	11	667	6	146,423	4
29	RATIO TO TOTAL ELECTRIC			1.00000	0.90240	0.08961	0.00131	0.00064	0.00009	0.00092	0.00026	0.00007	0.00008	0.00456	0.00004	0.99998	0.00002
30	METERS	External		16,284,211	13,207,429	2,892,979	0	28,645	2,856	80,974	44,014	12,516	13,607	0	1,191	16,284,211	0
31	RATIO TO TOTAL ELECTRIC			1.00000	0.81105	0.17766	0.00000	0.00176	0.00018	0.00497	0.00270	0.00077	0.00084	0.00000	0.00007	1.00000	0.00000
32	WEIGHTED CUSTOMER	External		161,072	132,136	26,238	192	279	26	800	456	130	136	667	12	161,072	0
33	RATIO TO TOTAL ELECTRIC			1.00000	0.82036	0.16290	0.00119	0.00173	0.00016	0.00497	0.00283	0.00081	0.00414	0.00007	0.00007	1.00000	0.00000
34	UNCOLLECTIBLE ACCOUNT 904	External		10,683,011	9,389,993	646,613	4,293	8,857	142	295,920	230,868	6,956	82,857	11,055	5,457	10,683,011	0
35	RATIO TO TOTAL ELECTRIC			1.00000	0.87897	0.06053	0.00040	0.00083	0.00001	0.02770	0.02161	0.00065	0.00776	0.00103	0.00051	1.00000	0.00000
36	KWH SALES LESS RTP	External		4,000,458,319	1,525,625,988	1,124,961,239	6,380,177	16,844,601	160,054	611,579,231	503,829,272	12,541,550	180,259,813	18,217,441	58,953	4,000,458,319	0
37	RATIO TO TOTAL ELECTRIC			1.00000	0.38137	0.28121	0.00159	0.00421	0.00004	0.15288	0.12594	0.00314	0.04506	0.00455	0.00001	1.00000	0.00000
38																	
39	PRESENT REVENUES	CS09	R600	3,629	3,004	536	0	4	0	43	29	4	7	2	0	3,629	0
40	PROPOSED REVENUES	A357	R602	7,888	6,741	805	0	0	0	171	119	13	26	13	0	7,888	0

DUKE ENERGY KENTUCKY, INC.
 TRANSMISSION CUSTOMER ALLOCATED - ELECTRIC COST OF SERVICE
 CASE NO: 2022-00372
 DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED
 TYPE OF FILING: "X" ORIGINAL UPDATED REVISED

FR-16(7)(v)-9
 WITNESS RESPONSIBLE:
 JAMES E. ZIOLKOWSKI
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LINE NO.	ALLOCATORS	SOURCE	ALLO	TOTAL TRANSMISSION CUSTOMER	RS RESIDENTIAL	DS SECONDARY DISTRIBUTION	GSFL SECONDARY DISTRIBUTION	EH SECONDARY DISTRIBUTION	SP SECONDARY DISTRIBUTION	DT SEC SECONDARY DISTRIBUTION	DT PRI PRIMARY DISTRIBUTION	DP PRIMARY DISTRIBUTION	TT TRANSMISSION TIME OF DAY	LT LIGHTING	OTHER WATER PUMPING	TOTAL AT ISSUE	ALL OTHER
1			1		3	4	5	6	7	8	9	10	11	12	13		
1	PRESENT REVENUES	Internal		369,787,593	150,196,282	109,813,740	728,280	1,504,882	24,418	50,255,488	39,207,157	1,181,424	14,072,356	1,877,507	926,059	369,787,593	0
2	RATIO TO TOTAL ELECTRIC		K901	1.00000	0.40617	0.29696	0.00197	0.00407	0.00007	0.13590	0.10603	0.00319	0.03806	0.00508	0.00250	1.00000	0.00000
3	PROPOSED REVENUES	Internal		369,787,593	150,196,282	109,813,740	728,280	1,504,882	24,418	50,255,488	39,207,157	1,181,424	14,072,356	1,877,507	926,059	369,787,593	0
4	RATIO TO TOTAL ELECTRIC		K902	1.00000	0.40617	0.29696	0.00197	0.00407	0.00007	0.13590	0.10603	0.00319	0.03806	0.00508	0.00250	1.00000	0.00000
5																	
6	<u>WEIGHTED RATIOS</u>																
7	GROSS ELECTRIC PLANT IN SERVICE																
8	WTD GROSS PROD PLANT RATIOS	Internal	P129	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
9	WTD GROSS TRANS PLANT RATIOS	Internal	T129	1.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000
10	WTD GROSS P & T PLT RATIOS	Internal	PT29	1.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000
11	WTD GROSS DIST PLANT RATIOS	Internal	D149	0.00000	0.00000	0.17765	0.00000	0.00175	0.00018	0.00496	0.00271	0.00078	0.00086	0.00000	0.00007	0.18896	(0.18896)
12	WTD GROSS TRANS & DIST RATIOS	Internal	TD29	1.00000	0.81104	0.17765	0.00000	0.00175	0.00018	0.00496	0.00271	0.00078	0.00086	0.00000	0.00007	1.00000	0.00000
13	WTD GROSS PTD PLT RATIOS	Internal	PD29	1.00000	0.86788	0.08145	0.00000	0.00000	0.00000	0.02443	0.01810	0.00181	0.00452	0.00181	0.00000	1.00000	0.00000
14	WTD GROSS G & I PLT RATIOS	Internal	G129	1.00000	0.86619	0.08137	0.00000	0.00000	0.00000	0.02532	0.01808	0.00181	0.00542	0.00181	0.00000	1.00000	0.00000
15	WTD GROSS C & O PLANT RATIOS	Internal	C129	1.00000	0.81419	0.17227	0.00000	0.00165	0.00017	0.00606	0.00357	0.00084	0.00108	0.00010	0.00007	1.00000	0.00000
16	WTD GROSS PLANT RATIOS	Internal	GP19	0.00000	0.00000	0.17768	0.00000	0.00180	0.00023	0.00496	0.00271	0.00079	0.00079	0.00000	0.00011	0.18907	(0.18907)
17	WTD TOTAL DEPRC RES RATIOS	Internal	DR19	1.00000	0.81510	0.17034	0.00000	0.00166	0.00021	0.00645	0.00385	0.00094	0.00114	0.00021	0.00010	1.00000	0.00000
18																	
19	NET ELECTRIC PLANT																
20	WTD NET PROD PLANT RATIOS	Internal	P229	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
21	WTD NET TRANS PLANT RATIOS	Internal	T229	1.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000
22	WTD NET DIST LINES - POLES, TOWERS & FIXTURES	Internal	PL49	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
23	WTD NET TOTAL DIST PLANT RATIOS	Internal	D249	0.00000	0.00000	0.17763	0.00000	0.00172	0.00016	0.00496	0.00271	0.00078	0.00089	0.00000	0.00005	0.18890	(0.18890)
24	WTD NET TRANS & DIST RATIOS	Internal	NT29	1.00000	0.81110	0.17763	0.00000	0.00172	0.00016	0.00496	0.00271	0.00078	0.00089	0.00000	0.00005	1.00000	0.00000
25	WTD NET G & I PLT RATIOS	Internal	G229	1.00000	0.86706	0.08124	0.00000	0.00000	0.00000	0.02511	0.01920	0.00148	0.00443	0.00148	0.00000	1.00000	0.00000
26	WTD NET C & O PLANT RATIOS	Internal	C229	1.00000	0.87551	0.07884	0.00000	0.00000	0.00000	0.02490	0.01660	0.00000	0.00415	0.00000	0.00000	1.00000	0.00000
27	WTD NET PLANT RATIOS	Internal	NP29	1.00000	0.81375	0.17320	0.00000	0.00164	0.00015	0.00587	0.00344	0.00080	0.00105	0.00005	0.00005	1.00000	0.00000
28																	
29	WORKING CAPITAL																
30	WTD MATERIAL & SUPPLY RATIOS	Internal	W669	1.00000	0.86393	0.08228	0.00000	0.00000	0.00000	0.02532	0.01899	0.00316	0.00316	0.00316	0.00000	1.00000	0.00000
31	WTD PREPAYMENTS RATIOS	Internal	W689	1.00000	0.87500	0.12500	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000
32	WTD TOTAL WORKING CASH RATIOS	Internal	W719	1.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000
33	WTD TOTAL MISC WRKNG CAP RATIO	Internal	W749	1.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000
34	WTD TOTAL WRKNG CAP RATIOS	Internal	WC79	1.00000	0.86419	0.08333	0.00000	0.00000	0.00000	0.02469	0.01852	0.00309	0.00309	0.00309	0.00000	1.00000	0.00000
35																	
36	RATE BASE																
37	WTD NET OCRB RATIOS	Internal	RB29	1.00000	0.81368	0.17320	0.00000	0.00166	0.00018	0.00586	0.00345	0.00080	0.00105	0.00006	0.00006	1.00000	0.00000
38	WTD TOTAL RATE BASE RATIOS	Internal	RB99	1.00000	0.81465	0.17144	0.00000	0.00163	0.00018	0.00623	0.00375	0.00085	0.00109	0.00012	0.00006	1.00000	0.00000
39	WTD CWIP RATIO	Internal	CW29	1.00000	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000

DUKE ENERGY KENTUCKY, INC.
 DISTRIBUTION CLASSIFIED - ELECTRIC COST OF SERVICE
 CASE NO: 2022-00372
 DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED
 TYPE OF FILING: "X" ORIGINAL UPDATED REVISED

FR-16(7)(v)-10
 WITNESS RESPONSIBLE:
 JAMES E. ZIOLKOWSKI
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LINE NO.	ALLOCATORS	SOURCE	ALLO	TOTAL DISTRIBUTION	CLASSIFIED			TOTAL AT ISSUE	ALL OTHER
					DEMAND	ENERGY	CUSTOMER		
	Schedule 12.2		1	2	3	4	5		
1	WEIGHTED O & M EXPENSE RATIOS								
2	WTD PROD DEMAND O&M EXP RATIOS	Internal	P349	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
3	WTD PROD ENERGY O&M EXP RATIOS	Internal	E349	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
4	WTD TOTAL PROD O&M EXP RATIOS	Internal	P459	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
5	WTD TRANS O&M EXP RATIOS	Internal	T349	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
6	WTD DIST O&M EXP RATIOS	Internal	D349	1.00000	0.83229	0.00000	0.16771	1.00000	0.00000
7	WTD UNCOLLECTIBLE ACCOUNT O&M	Internal	C311	1.00000	0.00000	0.00000	1.00000	1.00000	0.00000
8	WTD CUST ACCT O&M EXP RATIOS	Internal	C319	1.00000	0.00000	0.00000	1.00000	1.00000	0.00000
9	WTD CUST SERV & INFO O&M EXP RATIOS	Internal	C331	1.00000	0.00000	0.00000	1.00000	1.00000	0.00000
10	WTD SALES O&M EXP RATIOS	Internal	S319	1.00000	0.00000	0.00000	1.00000	1.00000	0.00000
11	WTD O&M EXP RATIOS	Internal	OM39	1.00000	0.56037	0.00000	0.43963	1.00000	0.00000
12									
13	A & G EXPENSES								
14	WTD PROD DEMAND A&G EXP RATIOS	Internal	A300	1.00000	0.00000	0.00000	0.00000		
15	WTD PROD ENERGY A&G EXP RATIOS	Internal	A302	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
16	WTD TRANS A&G EXP RATIOS	Internal	A304	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
17	WTD DIST A&G EXP RATIOS	Internal	A306	1.00000	0.83229	0.00000	0.16771	1.00000	0.00000
18	WTD CUST ACCT A&G EXP RATIOS	Internal	A308	1.00000	0.00000	0.00000	1.00000	1.00000	0.00000
19	WTD CUST SERV & INFO A&G EXP RATIOS	Internal	A310	1.00000	0.00000	0.00000	1.00000	1.00000	0.00000
20	WTD SALES A&G EXP RATIOS	Internal	A312	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
21	WTD A&G EXPENSE UNADJUSTED	Internal	A315	1.00000	0.49350	0.00000	0.50650	1.00000	0.00000
22	WTD A&G EXP RATIOS	Internal	A357	1.00000	0.49350	0.00000	0.50650	1.00000	0.00000
23									
24	DEPRECIATION EXPENSES								
25	WTD PRODUCTION DEPREC RATIOS	Internal	P489	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
26	WTD TRANS DEPREC RATIOS	Internal	T489	1.00000	0.00000	0.00000	0.00000	0.00000	1.00000
27	WTD DIST DEPREC RATIOS	Internal	D489	1.00000	0.80481	0.00000	0.19519	1.00000	0.00000
28	WTD GENERAL DEPREC EXP RATIOS	Internal	G489	1.00000	(0.02866)	0.00000	1.02866	1.00000	0.00000
29	WTD COM & OTHER DEP EXP RATIOS	Internal	C489	1.00000	0.00639	0.00000	0.99361	1.00000	0.00000
30	WTD TOT DEPREC EXP RATIOS	Internal	DE49	1.00000	0.75896	0.00000	0.24104	1.00000	0.00000
31									
32	OTHER TAXES & MISC EXPENSES								
33	WTD R. E. & PROP TAX RATIOS	Internal	L529	1.00000	0.79596	0.00000	0.20404	1.00000	0.00000
34	WTD MISC TAX RATIOS	Internal	L589	1.00000	0.49350	0.00000	0.50650	1.00000	0.00000
35	WTD OTHER TAX RATIOS	Internal	L599	1.00000	0.80588	0.00000	0.19412	1.00000	0.00000
36	WTD OP EXP EX IT & REV RATIOS	Internal	OP69	1.00000	0.66632	0.00000	0.33368	1.00000	0.00000
37									
38	TOTAL COST OF SERVICE								
39	WTD TOTAL COST OF SERVICE	Internal	CS09	1.00000	0.71905	0.00000	0.28095	1.00000	0.00000
40									
41	WAGES & SALARIES (K600-K639)								
42	WTD RATIOS	Internal	K669						

DUKE ENERGY KENTUCKY, INC.
 DISTRIBUTION DEMAND ALLOCATED - ELECTRIC COST OF SERVICE
 CASE NO: 2022-00372
 DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED
 TYPE OF FILING: "X" ORIGINAL UPDATED REVISED

FR-16(7)(v)-10

FR-16(7)(v)-11
 WITNESS RESPONSIBLE:
 JAMES E. ZIOLKOWSKI
 PAGE 1 OF 18

LINE NO.	SUMMARY OF RESULTS	ALLO	TOTAL DISTRIBUTION DEMAND	RS RESIDENTIAL	DS SECONDARY	GSFL SECONDARY	EH SECONDARY	SP SECONDARY	DT SEC SECONDARY	DT PRI PRIMARY	DP PRIMARY	TT TRANSMISSION TIME OF DAY	LT LIGHTING	OTHER WATER PUMPING	TOTAL AT ISSUE	ALL OTHER
		Schedule 1		3	4	5	6	7	8	9	10	11	12	13		
1	NET INCOME COMPUTATION															
2	GROSS ELECTRIC PLANT IN SERVICE		533,204,452	246,276,473	153,024,345	730,491	3,337,859	21,328	70,116,385	54,637,461	1,450,315	0	3,599,130	10,665	533,204,452	0
3	TOTAL DEPRECIATION RESERVE		(99,138,303)	(45,850,133)	(28,419,617)	(135,667)	(619,906)	(3,961)	(13,021,984)	(10,147,245)	(269,352)	(28)	(668,429)	(1,981)	(99,138,303)	0
4	TOTAL RATE BASE ADJUSTMENTS		(81,550,008)	(37,655,797)	(23,409,699)	(111,724)	(510,504)	(3,262)	(10,726,245)	(8,358,857)	(221,817)	(11)	(550,461)	(1,631)	(81,550,008)	0
5	TOTAL RATE BASE		352,516,141	162,770,543	101,195,029	483,100	2,207,449	14,105	46,368,156	36,131,359	959,146	(39)	2,380,240	7,053	352,516,141	0
6																
7	OPERATING EXPENSES															
8	TOTAL O&M EXPENSE		14,968,790	7,780,464	3,824,408	17,325	90,850	601	1,689,518	1,325,954	36,947	116,315	86,074	334	14,968,790	0
9	TOTAL DEPRECIATION EXPENSE		14,229,621	6,556,202	4,092,391	19,536	89,266	570	1,875,150	1,461,191	38,786	(8)	96,252	285	14,229,621	0
10	TOTAL OTHER TAX & MISC EXPENSE		6,314,255	2,907,190	1,816,961	8,684	39,532	253	833,095	649,139	17,214	(703)	42,741	149	6,314,255	0
11	TOTAL OP EXP EXCLUDING INC & REV TAX		35,512,666	17,243,856	9,733,760	45,545	219,648	1,424	4,397,763	3,436,284	92,947	115,604	225,067	768	35,512,666	0
12	NET FED INCOME TAX EXP ALLOWABLE		2,967,113	1,353,302	860,873	4,131	18,619	119	395,767	308,228	8,134	(2,447)	20,328	59	2,967,113	0
13	NET STATE INCOME TAX EXP ALLOWABLE		794,623	380,264	220,847	1,041	4,928	32	100,253	78,267	2,102	1,736	5,137	16	794,623	0
14	RESERVED	CW29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	REVENUE TAX		0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	TOTAL OPERATING EXPENSE		39,274,402	18,977,422	10,815,480	50,717	243,195	1,575	4,893,783	3,822,779	103,183	114,893	250,532	843	39,274,402	0
17																
18	RETURN ON RATE BASE		25,450,083	11,751,575	7,305,701	34,867	159,318	1,018	3,347,449	2,608,634	69,224	0	171,788	509	25,450,083	0
19	TOTAL OTHER OPERATING REVENUES		(1,331,987)	(615,220)	(382,266)	(1,825)	(8,338)	(53)	(175,156)	(136,488)	(3,624)	0	(8,991)	(26)	(1,331,987)	0
20	TOTAL ELECTRIC COST OF SERVICE		63,392,498	30,113,777	17,738,915	83,759	394,175	2,540	8,066,076	6,294,925	168,783	114,893	413,329	1,326	63,392,498	0

DUKE ENERGY KENTUCKY, INC.
 DISTRIBUTION CUSTOMER ALLOCATED - ELECTRIC COST OF SERVICE
 CASE NO: 2022-00372
 DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED
 TYPE OF FILING: "X" ORIGINAL UPDATED REVISED

FR-16(7)(v)-13
 WITNESS RESPONSIBLE:
 JAMES E. ZIOLKOWSKI
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LINE NO.	ALLOCATORS	SOURCE	ALLO	TOTAL DISTRIBUTION CUSTOMER	RS RESIDENTIAL	DS SECONDARY DISTRIBUTION	GSFL SECONDARY DISTRIBUTION	EH SECONDARY DISTRIBUTION	SP SECONDARY DISTRIBUTION	DT SEC SECONDARY DISTRIBUTION	DT PRI PRIMARY DISTRIBUTION	DP PRIMARY DISTRIBUTION	TT TRANSMISSION TIME OF DAY	LT LIGHTING	OTHER WATER PUMPING	TOTAL AT ISSUE	ALL OTHER
		Schedule 12.2	1		3	4	5	6	7	8	9	10	11	12	13		
1	WEIGHTED O & M EXPENSE RATIOS																
2	WTD PROD DEMAND O&M EXP RATIOS	Internal	P349	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000
3	WTD PROD ENERGY O&M EXP RATIOS	Internal	E349	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000
4	WTD TOTAL PROD O&M EXP RATIOS	Internal	P459	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000
5	WTD TRANS O&M EXP RATIOS	Internal	T349	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000
6	WTD DIST O&M EXP RATIOS	Internal	D349	1.00000	0.80993	0.10388	0.00089	0.00086	0.00010	0.00183	0.00083	0.00023	0.00020	0.08120	0.00004	0.99999	0.00001
7	WTD UNCOLLECTIBLE ACCOUNT O&M	Internal	C311	1.00000	0.87897	0.06053	0.00040	0.00083	0.00001	0.02770	0.02161	0.00065	0.00776	0.00103	0.00051	1.00000	0.00000
8	WTD CUST ACCT O&M EXP RATIOS	Internal	C319	1.00000	0.82095	0.16176	0.00114	0.00172	0.00016	0.00535	0.00314	0.00081	0.00096	0.00394	0.00008	1.00001	(0.00001)
9	WTD CUST SERV & INFO O&M EXP RATIOS	Internal	C331	1.00000	0.90239	0.08961	0.00131	0.00064	0.00009	0.00092	0.00026	0.00007	0.00010	0.00456	0.00004	0.99999	0.00001
10	WTD SALES O&M EXP RATIOS	Internal	S319	1.00000	0.90240	0.08961	0.00131	0.00064	0.00009	0.00092	0.00026	0.00007	0.00010	0.00456	0.00004	1.00000	0.00000
11	WTD O&M EXP RATIOS	Internal	OM39	1.00000	0.83091	0.13557	0.00110	0.00133	0.00013	0.00375	0.00209	0.00054	0.00063	0.02388	0.00006	0.99999	0.00001
12																	
13	A & G EXPENSES																
14	WTD PROD DEMAND A&G EXP RATIOS	Internal	A309	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000
15	WTD PROD ENERGY A&G EXP RATIOS	Internal	A302	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000
16	WTD TRANS A&G EXP RATIOS	Internal	A304	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000
17	WTD DIST A&G EXP RATIOS	Internal	A306	1.00000	0.80994	0.10388	0.00089	0.00086	0.00010	0.00183	0.00083	0.00023	0.00020	0.08120	0.00004	1.00000	0.00000
18	WTD CUST ACCT A&G EXP RATIOS	Internal	A308	1.00000	0.82094	0.16176	0.00114	0.00172	0.00016	0.00535	0.00314	0.00081	0.00096	0.00394	0.00008	1.00000	0.00000
19	WTD CUST SERV & INFO A&G EXP RATIOS	Internal	A310	1.00000	0.90240	0.08961	0.00131	0.00064	0.00009	0.00092	0.00026	0.00007	0.00010	0.00456	0.00004	1.00000	0.00000
20	WTD SALES A&G EXP RATIOS	Internal	A312	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000
21	WTD A&G EXPENSE UNADJUSTED	Internal	A315	1.00000	0.82127	0.14819	0.00110	0.00152	0.00015	0.00452	0.00260	0.00067	0.00078	0.01913	0.00007	1.00000	0.00000
22	WTD A&G EXP RATIOS	Internal	A357	1.00000	0.82127	0.14819	0.00109	0.00152	0.00015	0.00452	0.00260	0.00067	0.00079	0.01913	0.00007	1.00000	0.00000
23																	
24	DEPRECIATION EXPENSES																
25	WTD PRODUCTION DEPREC RATIOS	Internal	P489	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000
26	WTD TRANS DEPREC RATIOS	Internal	T489	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000
27	WTD DIST DEPREC RATIOS	Internal	D489	1.00000	0.85816	0.10623	0.00099	0.00093	0.00011	0.00216	0.00089	0.00025	0.00022	0.03001	0.00005	1.00000	0.00000
28	WTD GENERAL DEPREC EXP RATIOS	Internal	G489	1.00000	0.84175	0.14363	0.00118	0.00145	0.00014	0.00424	0.00242	0.00062	0.00074	0.00376	0.00007	1.00000	0.00000
29	WTD COM & OTHER DEP EXP RATIOS	Internal	C489	1.00000	0.84122	0.14375	0.00117	0.00146	0.00014	0.00423	0.00244	0.00061	0.00075	0.00418	0.00005	1.00000	0.00000
30	WTD TOT DEPREC EXP RATIOS	Internal	DE49	1.00000	0.85431	0.11501	0.00103	0.00105	0.00012	0.00265	0.00125	0.00034	0.00034	0.02385	0.00005	1.00000	0.00000
31																	
32	OTHER TAXES & MISC EXPENSES																
33	WTD R. E. & PROP TAX RATIOS	Internal	L529	1.00000	0.85703	0.10878	0.00100	0.00097	0.00011	0.00230	0.00100	0.00027	0.00026	0.02823	0.00005	1.00000	0.00000
34	WTD MISC TAX RATIOS	Internal	L589	1.00000	0.82126	0.14819	0.00110	0.00152	0.00015	0.00452	0.00260	0.00067	0.00078	0.01913	0.00007	0.99999	0.00001
35	WTD OTHER TAX RATIOS	Internal	L599	1.00000	0.85748	0.10634	0.00100	0.00094	0.00011	0.00294	0.00151	0.00025	0.00045	0.02892	0.00006	1.00000	0.00000
36	WTD OP EXP EX IT & REV RATIOS	Internal	OP69	1.00000	0.83913	0.12784	0.00108	0.00122	0.00013	0.00340	0.00183	0.00047	0.00054	0.02430	0.00006	1.00000	0.00000
37																	
38	TOTAL COST OF SERVICE																
39	WTD TOTAL COST OF SERVICE	Internal	CS09	1.00000	0.85010	0.12320	0.00106	0.00116	0.00012	0.00310	0.00160	0.00041	0.00046	0.01871	0.00006	1.00000	(0.00000)

DUKE ENERGY KENTUCKY, INC.
 TOTAL CLASS ALLOCATED - ELECTRIC COST OF SERVICE
 CASE NO: 2022-00372
 DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED
 TYPE OF FILING: "X" ORIGINAL UPDATED REVISED

FR-16(7)(v)-10

FR-16(7)(v)-14
 WITNESS RESPONSIBLE:
 JAMES E. ZIOLKOWSKI
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LINE NO.	SUMMARY OF RESULTS	ALLO	TOTAL CLASS ALLOCATED	RS RESIDENTIAL	DS SECONDARY DISTRIBUTION	GSFL SECONDARY DISTRIBUTION	EH SECONDARY DISTRIBUTION	SP SECONDARY DISTRIBUTION	DT SEC SECONDARY DISTRIBUTION	DT PRI PRIMARY DISTRIBUTION	DP PRIMARY DISTRIBUTION	TT TRANSMISSION TIME OF DAY	LT LIGHTING	OTHER WATER PUMPING	TOTAL AT ISSUE	ALL OTHER
				3	4	5	6	7	8	9	10	11	12	13		
1	NET INCOME COMPUTATION	Schedule 1														
2	GROSS ELECTRIC PLANT IN SERVICE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	TOTAL DEPRECIATION RESERVE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	TOTAL RATE BASE ADJUSTMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	TOTAL RATE BASE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
6																
7	OPERATING EXPENSES															
8	TOTAL O&M EXPENSE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	TOTAL DEPRECIATION EXPENSE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TOTAL OTHER TAX & MISC EXPENSE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	TOTAL OP EXP EXCLUDING INC & REV TAX		0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	NET FED INCOME TAX EXP ALLOWABLE		(63)	0	0	0	0	0	0	0	0	0	0	0	0	(63)
13	NET STATE INCOME TAX EXP ALLOWABLE		(4)	0	0	0	0	0	0	0	0	0	0	0	0	(4)
14	RESERVED	CW29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	REVENUE TAX		0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	TOTAL OPERATING EXPENSE		(67)	0	0	0	0	0	0	0	0	0	0	0	0	(67)
17																
18	RETURN ON RATE BASE		(1)	0	0	0	0	0	0	0	0	0	0	0	0	(1)
19	TOTAL OTHER OPERATING REVENUES		0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	TOTAL ELECTRIC COST OF SERVICE		(68)	0	0	0	0	0	0	0	0	0	0	0	0	(68)
21	ADJUSTMENT FOR INTERCLASS SUBSIDIZATION	95.00%	0	(18,464,939)	12,334,505	199,990	(93,619)	7,867	2,527,469	1,027,912	188,727	1,753,001	(354,603)	873,690	0	0
22	REQUESTED REVENUES (COST OF SERVICE ADJUSTED FOR SUBSIDIES)		(68)	(18,464,939)	12,334,505	199,990	(93,619)	7,867	2,527,469	1,027,912	188,727	1,753,001	(354,603)	873,690	0	(68)
23	PROPOSED REVENUES		0	120,109,961	(59,089,761)	(446,255)	(660,040)	(10,656)	(28,082,041)	(21,332,991)	(690,335)	(8,771,065)	(106,446)	(920,371)	0	0
24	DIFFERENCE (REQUESTED LESS PROPOSED)		(68)	(138,574,900)	71,424,266	646,245	566,421	18,523	30,609,510	22,360,903	879,062	10,524,066	(248,157)	1,794,061	0	(68)
25																
26	TOTAL RETURN EARNED		67	0	0	0	0	0	0	0	0	0	0	0	0	67
27	RATE OF RETURN EARNED		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
28	TOTAL RATE OF RETURN ALLOWABLE		0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.07190	0.00000
29	RETURN EARNED ON COMMON EQUITY		(0.04046)	(0.04046)	(0.04046)	(0.04046)	(0.04046)	(0.04046)	(0.04046)	(0.04046)	(0.04046)	(0.04046)	(0.04046)	(0.04046)	(0.04046)	0.00000
30	ALLOWED RETURN ON COMMON EQUITY		0.09742	0.09742	0.09742	0.09742	0.13787	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.09742	0.09742	0.00000
31																
32	PRESENT REVENUES (Schedule M)		369,787,593	150,196,282	109,813,740	728,280	1,504,882	24,418	50,255,488	39,207,157	1,181,424	14,072,356	1,877,507	926,059	369,787,593	0
33	REVENUE INCREASE JUSTIFIED		(369,787,661)	(150,196,282)	(109,813,740)	(728,280)	(1,504,882)	(24,418)	(50,255,488)	(39,207,157)	(1,181,424)	(14,072,356)	(1,877,507)	(926,059)	(369,787,593)	(68)
34	PER UNIT PRES REV		(1.00000)	(1.00000)	(1.00000)	(1.00000)	(1.00000)	(1.00000)	(1.00000)	(1.00000)	(1.00000)	(1.00000)	(1.00000)	(1.00000)	(1.00000)	0.00000
35	REVENUE INCREASE REQUESTED		(369,787,593)	(30,086,321)	(168,903,501)	(1,174,535)	(2,164,922)	(35,074)	(78,337,529)	(60,540,148)	(1,871,759)	(22,843,421)	(1,983,953)	(1,846,430)	(369,787,593)	0
36	PER UNIT PRES REV		(1.00000)	(0.20031)	(1.53809)	(1.61275)	(1.43860)	(1.43640)	(1.55879)	(1.54411)	(1.58432)	(1.62328)	(1.05670)	(1.99386)	(1.00000)	0.00000

			<u>Tab</u>	<u>Workpaper</u>	<u>Source</u>	<u>Description of Work Paper</u>
I. Meter Costs						
	Meter Cost					
Retail:			WP FR-16(7)(v) Meters	Work Paper FR-16(7)(v) , Page 5	Meter Cost Study	Computation of Meter Allocation Factors
Residential	\$ 13,207,429					
Dist Secondary - DS	2,892,979					
Dist Secondary - GS-FL	-					
Dist Secondary - EH	28,645					
Dist Secondary - SP	2,856					
DT-Sec	80,974					
Dist Primary - DT	44,014					
Dist Primary - DP	12,516					
Transmission	13,607					
Lighting						
Other	1,191					
	16,284,211					
II. Poles, Towers & Fixtures						
Conductors						
	Link to SFR Model					
<u>Gross Plant</u>	<u>\$</u>	<u>Quantity</u>				
Poles, Towers & Fixtures	7,818,250	46,255	WP FR-16(7)(v) Distlines	Work Paper FR-16(7)(v) , Page 7	Fixed Asset Accounting, Schedule B-2.1.	Computation of "Weighted" Distribution Line Allocation Factors
Conductors - Overhead	45,247,696		WP FR-16(7)(v) Distlines	Work Paper FR-16(7)(v) , Page 7	Fixed Asset Accounting, Schedule B-2.1.	Computation of "Weighted" Distribution Line Allocation Factors
Conductors - Underground	286,401		WP FR-16(7)(v) Distlines	Work Paper FR-16(7)(v) , Page 7	Fixed Asset Accounting, Schedule B-2.1.	Computation of "Weighted" Distribution Line Allocation Factors
<u>Accumulated Depreciation</u>						
Poles, Towers & Fixtures	669,145		WP FR-16(7)(v) Distlines	Work Paper FR-16(7)(v) , Page 7	Fixed Asset Accounting, Schedule B-3.	Computation of "Weighted" Distribution Line Allocation Factors
Conductors - Overhead	9,591,603		WP FR-16(7)(v) Distlines	Work Paper FR-16(7)(v) , Page 7	Fixed Asset Accounting, Schedule B-3.	Computation of "Weighted" Distribution Line Allocation Factors
Conductors - Underground	280,008		WP FR-16(7)(v) Distlines	Work Paper FR-16(7)(v) , Page 7	Fixed Asset Accounting, Schedule B-3.	Computation of "Weighted" Distribution Line Allocation Factors
III. Unbilled Sales	(23,998,000)		WP FR-16(7)(v) kwh analysis	Work Paper FR-16(7)(v) , Page 9	Company records; total agrees to FERC Form 1, p. 301	Rate Group Kwh Energy Analysis
IV. Hours Per Month						
Jan 2021	744		WP FR-16(7)(v) RS - KW	Work Paper FR-16(7)(v) , Page 13	Calendar	Derivation of Coincident And Non-Coincident Kw Demands
Feb	672					
Mar	744					
Apr	720					
May	744					
Jun	720					
Jul	744					
Aug	744					
Sep	720					
Oct	744					
Nov	720					
Dec	744					

VIII. Service Cost Weighting						
Size in KVA	Cost					
	OH	UG				
15	0	0	WP FR-16(7)(v) Service cost wgt	Work Paper FR-16(7)(v) , Page 48	Engineering Standards & Support	Cost Support For Service Cost Weighting
25	2,380	3,552				
50	2,688	4,504				
100	4,622	4,538				
150	8,051	12,916				
300	13,584	14,599				
Services		Net Plant				
Overhead - Company Account 3691	28,835,299		WP FR-16(7)(v) Service cost wgt	Work Paper FR-16(7)(v) , Page 48	Fixed Asset Accounting, Sch. B-2.1 and Sch. B-	Cost Support For Service Cost Weighting
Underground - Company Account 36		2,890,636	WP FR-16(7)(v) Service cost wgt	Work Paper FR-16(7)(v) , Page 48	Fixed Asset Accounting, Sch. B-2.1 and Sch. B-	Cost Support For Service Cost Weighting
IX. Customer Account Information	See Tab		WP FR-16(7)(v) 901-913 AcctSum	#REF!	Various	Allocation of Cost to Rate Class for Accounts 901 Through 913
X. Lighting Burn Schedule						
MONTH	APPROX. SUNSET	APPROX. SUNRISE				
Jan 2021	1741	754	WP FR-16(7)(v) BurnHours	Work Paper FR-16(7)(v) , Page 49	Monthly average of Sunrise/Sunset chart using	Lighting Burn Hours
Feb	1816	730				
Mar	1842	633				
Apr	1916	629				
May	1945	525				
Jun	2011	525				
Jul	2021	525				
Aug	1932	538				
Sep	1832	620				
Oct	1730	639				
Nov	1725	721				
Dec	1718	750				
XI. KWH	See Tab		WP FR-16(7)(v) KWH	Work Paper FR-16(7)(v) , Page 50	Source: Revenue Stats File & RAC_039 Rept	Electric KWH
XI. Customers	See Tab		WP FR-16(7)(v) AVG CUST	Work Paper FR-16(7)(v) , Page 51	Source: Revenue Stats File & RAC_039 Rept	Electric Customers

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COMPUTATION OF KWH & KW ALLOCATION FACTORS

AT GENERATION LEVEL					
LINE NO.	RATE GROUP	12 MONTH AVG COIN PEAK KW DEMAND(a)	ALLOC K201	KWH (AT SOURCE)(b)	ALLOC K301
		(1)	(2)	(3)	(4)
1					
2	Retail:				
3	Residential	301,163	45.389%	1,525,625,988	38.009%
4	Dist Secondary - DS	181,403	27.340%	1,124,961,239	28.028%
5	Dist Secondary - GS-FL	873	0.132%	6,380,177	0.159%
6	Dist Secondary - EH	3,136	0.473%	16,844,601	0.420%
7	Dist Secondary - SP	26	0.004%	160,054	0.004%
8	Dist Secondary - DT	83,378	12.566%	611,579,231	15.237%
9	Dist Primary - DT	63,913	9.633%	503,829,272	12.553%
10	Dist Primary - DP	1,685	0.254%	12,541,550	0.312%
11	Transmission	21,650	3.263%	180,259,813	4.491%
12	Lighting	4,630	0.698%	18,217,441	0.454%
13	Other	11	0.002%	58,953	0.001%
14	Total Retail excl RTP Incremental	661,868	99.754%	4,000,458,319	99.668%
15					
16	RTP Incremental:				
17	Dist Secondary - DS	82	0.012%	513,793	0.013%
18	Dist Secondary - DT	88	0.013%	714,165	0.018%
19	Dist Primary - DT	-	0.000%	-	0.000%
20	Dist Primary - DP	-	0.000%	-	0.000%
21	Transmission	1,465	0.221%	12,072,949	0.301%
22	Total RTP Incremental	1,635	0.246%	13,300,907	0.332%
23					
24	Total Retail	663,503	100.000%	4,013,759,226	100.000%

(a) Source: WPFR-16(7)(v), Page 10
 (b) Source: WPFR-16(7)(v), Page 9

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COMPUTATION OF KWH, KW & CUSTOMER ALLOCATION FACTORS

CUSTOMERS AT DISTRIBUTION LEVEL ONLY

LINE NO.	RATE GROUP	NON-COIN				CUSTOMERS		CUSTOMERS		GROUP DIVERSIFIED CLASS	
		KW DEMAND(a)	ALLOC K203	KWH (AT SOURCE)(b)	ALLOC K303	(DIST. LEVEL)(c)	ALLOC K405	(DIST. LEVEL)(c)	ALLOC K406	KW DEMAND(d)	ALLOC K215
		(1)	(2)	(3)	(4)	(5)	(6)			(7)	(8)
1											
2	Retail:										
3	Residential	982,296	64.086%	1,525,625,988	38.009%	132,136	90.238%	132,136	90.249%	310,912	46.188%
4	Dist Secondary - DS	290,524	18.954%	1,124,961,239	28.028%	13,118	8.959%	13,118	8.959%	193,091	28.686%
5	Dist Secondary - GS-FL	1,091	0.071%	6,380,177	0.159%	192	0.131%	192	0.131%	922	0.137%
6	Dist Secondary - EH	8,685	0.567%	16,844,601	0.420%	93	0.064%	93	0.064%	4,214	0.626%
7	Dist Secondary - SP	54	0.004%	160,054	0.004%	13	0.009%	13	0.009%	28	0.004%
8	Dist Secondary - DT	112,784	7.358%	611,579,231	15.237%	133	0.091%	133	0.091%	88,415	13.135%
9	Dist Primary - DT	91,259	5.954%	503,829,272	12.553%	38	0.026%	38	0.026%	68,972	10.247%
10	Dist Primary - DP	2,980	0.194%	12,541,550	0.312%	10	0.007%	10	0.007%	1,828	0.272%
11	Transmission	33,514	2.186%	180,259,813	4.491%	11	0.008%	-	0.000%	-	0.000%
12	Lighting	5,612	0.366%	18,217,441	0.454%	667	0.456%	667	0.456%	4,543	0.675%
13	Other	41	0.003%	58,953	0.001%	6	0.004%	6	0.004%	11	0.002%
14	Total Retail excl RTP Incremental	1,528,840	99.743%	4,000,458,319	99.668%	146,417	99.993%	146,406	99.996%	672,936	99.972%
15											
16	RTP Incremental:										
17	Dist Secondary - DS	143	0.009%	513,793	0.013%	4	0.003%	4	0.003%	88	0.013%
18	Dist Secondary - DT	506	0.033%	714,165	0.018%	2	0.001%	2	0.001%	98	0.015%
19	Dist Primary - DT	-	0.000%	-	0.000%	-	0.000%	-	0.000%	-	0.000%
20	Dist Primary - DP	-	0.000%	-	0.000%	-	0.000%	-	0.000%	-	0.000%
21	Transmission	3,299	0.215%	12,072,949	0.301%	4	0.003%	-	0.000%	-	0.000%
22	Total RTP Incremental	3,948	0.257%	13,300,907	0.332%	10	0.007%	6	0.004%	186	0.028%
23											
24	Total Retail	1,532,788	100.000%	4,013,759,226	100.000%	146,427	100.000%	146,412	100.000%	673,122	100.000%

(a) Source: WPFR-16(7)(v), Page 10

(b) Source: WPFR-16(7)(v), Page 9

(c) Source: 2010 Customers - WPFR-16(7)(v), Page 52

(d) Source: WPFR-16(7)(v), Page 10

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COMPUTATION OF METER ALLOCATION FACTORS

LINE NO.	RATE GROUP	AVERAGE NO. OF CUSTOMERS (1)	METER COST (a) (2)	AVERAGE METER COST (3)	WEIGHTED COST FACTOR (4)	WEIGHTED CUSTOMERS (5)	WEIGHTED CUSTOMERS ALLOC K409 (6)	METER COST ALLOC K407 (7)
1	Retail:							
2	Residential	132,136	\$ 13,207,429	100	1	132,136	82.038%	81.105%
3	Dist Secondary - DS	13,117	\$ 2,892,979	221	2	26,234	16.287%	17.766%
4	Dist Secondary - GS-FL	192	\$ -	0	0	192	0.119%	0.000%
5	Dist Secondary - EH	93	\$ 28,645	308	3	279	0.173%	0.176%
6	Dist Secondary - SP	13	\$ 2,856	220	2	26	0.016%	0.018%
7	Dist Secondary - DT	133	\$ 80,974	609	6	798	0.495%	0.497%
8	Dist Primary - DT	38	\$ 44,014	1158	12	456	0.283%	0.270%
9	Dist Primary - DP	10	\$ 12,516	1252	13	130	0.081%	0.077%
10	Transmission	11	\$ 13,607	1237	12	132	0.082%	0.084%
11	Lighting	667	\$ -	0	0	667	0.414%	0.000%
12	Other	6	\$ 1,191	199	2	12	0.007%	0.007%
13	Total Retail excl RTP Incremental	146,416	16,284,211			161,062	99.995%	100.000%
14								
15	RTP Incremental:							
16	Dist Secondary - DS	4	-	0	0	4	0.002%	0.000%
17	Dist Secondary - DT	2	-	0	0	2	0.001%	0.000%
18	Dist Primary - DT	0	-	0	0	0	0.000%	0.000%
19	Dist Primary - DP	0	-	0	0	0	0.000%	0.000%
20	Transmission	4	-	0	0	4	0.002%	0.000%
21	Total RTP Incremental	10	-			10	0.005%	0.000%
22								
23	Total Retail	146,426	\$ 16,284,211			161,072	100.000%	100.000%

(a) Source: Metering Support

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COMPUTATION OF UNCOLLECTIBLE ACCOUNTS ALLOCATION FACTORS

Line No.	Description	Test Period Present Revenue	Revenue Ratio	Test Period Uncollectible Expense (b)	ALLOC K411		
1							
2	Retail:						
3	Residential	\$ 150,196,282		\$ 9,389,993	87.897%		
4							
5	Dist Secondary - DS	\$ 109,813,740	50.008%	\$ 646,613	6.053%		
6	Dist Secondary - GS-FL	728,280	0.332%	4,293	0.040%		
7	Dist Secondary - EH	1,504,882	0.685%	8,857	0.083%		
8	Dist Secondary - SP	24,418	0.011%	142	0.001%		
9	Dist Secondary - DT	50,255,488	22.886%	295,920	2.770%		
10	Dist Primary - DT	39,207,157	17.855%	230,868	2.161%		
11	Dist Primary - DP	1,181,424	0.538%	6,956	0.065%		
12	Transmission	14,072,356	6.408%	82,857	0.776%		
13	Lighting	1,877,507	0.855%	11,055	0.103%		
14	Other	926,059	0.422%	5,457	0.051%		
15	Sub total Non Residential	\$ 219,591,311	100.000%	\$ 1,293,018	12.103%		
16							
17	Total Revenue	\$ 369,787,593		\$ 10,683,011	100.000%		
18							
19							
20							
21		Electric Charge-Offs	Electric Retail Revenue	Electric Charge-Offs	Charge-Offs		
22		12 Months Ended	12 Months Ended	as % of Electric	Present		
23	Residential / Non-Residential	March 2022 (c)	March 2022 (d)	Retail Revenue	Revenue	12 Months Ended	
24		(1)	(2)	(3)	(4)	(5)	
25				(1)/(2)		(3)*(4)	
26							
27							
28	Residential	\$ 9,515,799	\$ 169,518,226	5.613%	150,196,282	8,431,118	87.897%
29	Non-Residential	1,167,212	220,763,895	0.529%	219,591,311	1,160,979	12.104%
30		\$ 10,683,011	\$ 390,282,121	2.737%	\$ 369,787,593	\$ 9,592,097	100.000%

(a) Source: Schedule M and Schedule M work papers.
 (b) Based on Charge-Off Study
 (c) Work Paper FR-16(7)(v), page 6b. Line 28, Residential is Sum Class "R". Line 29, Non Residential is Sum Class "N".
 (d) Customer billing records

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COMPUTATION OF "WEIGHTED" DISTRIBUTION LINE ALLOCATION FACTORS

LINE NO.	RATE GROUP	GROUP DIVERSIFIED CLASS KW DEMAND(a) (1)	PRIMARY LINE WEIGHTING		SECONDARY LINE WEIGHTING	
			KW DEMAND (a) (2)=(1) * %	ALLOC K205 (3)	KW DEMAND (a)(b) (4)=(1) * %	ALLOC K206 (5)
1	Retail:					
2	Residential	310,912	310,912	46.188%	310,912	46.188%
3	Dist Secondary - DS	193,091	193,091	28.686%	193,091	28.686%
4	Dist Secondary - GS-FL	922	922	0.137%	922	0.137%
5	Dist Secondary - EH	4,214	4,214	0.626%	4,214	0.626%
6	Dist Secondary - SP	28	28	0.004%	28	0.004%
7	Dist Secondary - DT	88,415	88,415	13.135%	88,415	13.135%
8	Dist Primary - DT	68,972	68,972	10.247%	68,972	10.247%
9	Dist Primary - DP	1,828	1,828	0.272%	1,828	0.272%
10	Transmission	-	0	0.000%	-	0.000%
11	Lighting	4,543	4,543	0.675%	4,543	0.675%
12	Other	11	11	0.002%	11	0.002%
13	Total Retail excl RTP Incremental	672,936	672,936	99.972%	672,936	99.972%
14						
15	RTP Incremental:					
16	Dist Secondary - DS	88	88	0.013%	88	0.013%
17	Dist Secondary - DT	98	98	0.015%	98	0.015%
18	Dist Primary - DT	-	0	0.000%	-	0.000%
19	Dist Primary - DP	-	0	0.000%	-	0.000%
20	Transmission	-	0	0.000%	-	0.000%
21	Total RTP Incremental	186	186	0.028%	186	0.028%
22						
23	Total Retail	673,122	673,122	100.000%	673,122	100.000%

(a) Source: WPFR-16(7)(v), Page 10.

(b) Rates DT-Primary and DP-Primary are served from primary lines. There is no allocation of secondary related costs.

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COMPUTATION OF "WEIGHTED" SERVICES ALLOCATION FACTORS

LINE NO.	RATE GROUP	NON-COIN KW DEMAND SECONDARY (a)	AVERAGE CUSTOMERS(b)	AVERAGE DEMAND (1) / (2)	WEIGHTING FACTOR (c)	WEIGHTED CUSTOMER SERVICE (2) * (4)	ALLOC K217 (6)
1		(1)	(2)	(3)	(4)	(5)	(6)
2	Retail:						
3	Residential	982,296	132,136	7	1	132,136	89.699%
4	Dist Secondary - DS	290,524	13,117	22	1	13,117	8.904%
5	Dist Secondary - GS-FL	1,091	192	6	1	192	0.130%
6	Dist Secondary - EH	8,685	93	93	2	186	0.126%
7	Dist Secondary - SP	54	13	4	1	13	0.009%
8	Dist Secondary - DT	112,784	133	848	5	665	0.451%
9	Dist Primary - DT	91,259	38	2,402	5	190	0.129%
10	Dist Primary - DP	2,980	10	298	5	50	0.034%
11	Transmission	33,514	11	3,047	5	55	0.037%
12	Lighting	5,612	667	8	1	667	0.453%
13	Other	41	6	7	1	6	0.004%
14	Total Retail excl RTP Incremental	1,528,840	146,416			147,277	99.976%
15							
16	RTP Incremental:						
17	Dist Secondary - DS	143	4	36	1	4	0.003%
18	Dist Secondary - DT	506	2	253	5	10	0.007%
19	Dist Primary - DT	-	-	-	1	-	0.000%
20	Dist Primary - DP	-	-	-	1	-	0.000%
21	Transmission	3,299	4	825	5	20	0.014%
22	Total RTP Incremental	3,948	10			34	0.024%
23							
24	Total Retail	1,532,788	146,426			147,311	100.000%

Notes:

- (a) Source: WPFR-16(7)(v), Page 4 (Demands shown in Base Retail Category).
- (b) Source: WPFR-16(7)(v), Page 52.

(c) Average Demand (Size in KVA)	(d) Weighting Factor
0 - 25	1
26 - 50	1
51 - 100	2
101 - 150	3
>= 151	5

- (d) Source: WPFR-16(7)(v), Page 48

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RATE GROUP KWH ENERGY ANALYSIS

LINE NO.	RATE GROUP	SALES AT CUSTOMER LEVEL (a) (1)	UNBILLED SALES (b) (2)	CALENDAR YEAR SALES (1+2) (3)	DIST. LOSSES(c) Col(3) * 2.37% (4)	SALES AT DIST. LEVEL (3+4) (5)	TRANS. LOSSES(c) Col(4) * 0.38% (6)	KWH SALES (AT SOURCE) (5+6) (7)
1								
2	Retail:							
3	Residential	1,498,078,273	(9,138,117)	1,488,940,156	30,880,389	1,519,820,545	5,805,443	1,525,625,988
4	Dist Secondary - DS	1,101,430,636	(6,718,608)	1,094,712,028	25,968,412	1,120,680,440	4,280,799	1,124,961,239
5	Dist Secondary - GS-FL	6,246,724	(38,104)	6,208,620	147,279	6,355,899	24,278	6,380,177
6	Dist Secondary - EH	16,492,265	(100,601)	16,391,664	388,838	16,780,502	64,099	16,844,601
7	Dist Secondary - SP	156,706	(956)	155,750	3,695	159,445	609	160,054
8	Dist Secondary - DT	598,786,943	(3,652,536)	595,134,407	14,117,590	609,251,997	2,327,234	611,579,231
9	Dist Primary - DT	493,290,770	(3,009,021)	490,281,749	11,630,308	501,912,057	1,917,215	503,829,272
10	Dist Primary - DP	12,279,221	(74,902)	12,204,319	289,507	12,493,826	47,724	12,541,550
11	Transmission	176,489,352	(1,076,566)	175,412,786	4,161,087	179,573,873	685,940	180,259,813
12	Lighting	17,836,390	(108,800)	17,727,590	420,528	18,148,118	69,323	18,217,441
13	Other	57,720	(352)	57,368	1,361	58,729	224	58,953
14	Total Retail excl RTP Incremental	3,921,145,000	(23,918,563)	3,897,226,437	88,008,994	3,985,235,431	15,222,888	4,000,458,319
15								
16	RTP Incremental:							
17	Dist Secondary - DS	503,047	(3,069)	499,978	11,860	511,838	1,955	513,793
18	Dist Secondary - DT	699,226	(4,265)	694,961	16,486	711,447	2,718	714,165
19	Dist Primary - DT	-	-	-	-	-	-	-
20	Dist Primary - DP	-	-	-	-	-	-	-
21	Transmission	11,820,421	(72,103)	11,748,318	278,690	12,027,008	45,941	12,072,949
22	Total RTP Incremental	13,022,694	(79,437)	12,943,257	307,036	13,250,293	50,614	13,300,907
23								
24	Total Retail	3,934,167,694	(23,998,000)	3,910,169,694	88,316,030	3,998,485,724	15,273,502	4,013,759,226

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(a) Source: WPFR-16(7)(v), Pages 13 through 32.

(b) Unbilled Sales are distributed based on Sales at Customer Level.

(c) Source: WPFR-16(7)(v), Page 38.

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SUMMARY OF ADJUSTED RATE GROUP COINCIDENT AND NON-COINCIDENT KW DEMANDS

LINE NO.	MONTH	-SYS PEAK-		Residential (3)	Distr. Secondary (DS)			GS-FL (7)	EH (8)	SP (6)	Time of Day (DT)		DP Distr. Primary (6)	TT Trans (9)	Lighting (10)	Other (11)	Total Excluding RTP Incr. (12)	RTP				RTP Incr. (19)	Total (20)
		DAY (1)	HOURL (2)		Small / Medium (4)	Large (5)	Secondary (7)				Primary (8)	DS Incr. (13)						DT Sec. Incr. (15)	DT Primary Incr. (16)	DT TT Incr. (18)			
***** SYSTEM PEAK COINCIDENT KW DEMAND (a) *****																							
1	JANUARY	26	79999200	281,622	148,388	8,418	782	6,409	7	77,403	59,563	1,314	19,181	3,410	-	606,497	79	254	-	-	1,170	1,503	608,000
2	FEBRUARY	8	79999200	319,144	160,483	7,740	903	7,413	5	74,790	56,594	1,404	19,943	4,269	-	652,688	104	52	-	-	1,156	1,312	654,000
3	MARCH	12	79999200	301,347	133,284	5,843	682	3,705	14	57,357	50,199	1,127	21,977	4,625	-	580,159	59	26	-	-	756	841	581,000
4	APRIL	28	11100	176,154	166,508	7,679	955	3,942	27	92,608	71,045	1,941	22,627	4,757	32	548,274	71	(994)	-	-	649	(274)	548,000
5	MAY	24	79999200	337,456	195,446	7,236	1,110	4,051	27	87,554	61,809	2,585	22,177	6,133	25	725,609	59	84	-	-	1,248	1,391	727,000
6	JUNE	29	16000800	370,047	227,106	9,241	1,010	-	33	93,686	62,754	1,551	25,067	6,512	20	797,027	96	49	-	-	1,828	1,973	799,000
7	JULY	6	79999200	369,994	201,635	8,635	852	-	35	86,029	67,671	2,342	20,949	5,767	12	763,922	112	116	-	-	1,850	2,078	766,000
8	AUGUST	12	16000800	380,355	228,450	9,448	913	-	36	89,028	72,293	2,298	23,328	5,276	22	811,447	108	173	-	-	2,272	2,553	814,000
9	SEPTEMBER	14	79999200	332,289	171,201	9,530	731	-	33	100,278	76,521	1,477	23,579	3,653	12	719,303	89	150	-	-	2,458	2,697	722,000
10	OCTOBER	11	79999200	258,159	151,337	7,363	795	2,417	35	83,779	64,955	1,385	19,678	3,648	4	593,556	61	427	-	-	1,956	2,444	596,000
11	NOVEMBER	23	79999200	228,382	157,118	6,097	960	5,719	38	77,104	62,249	1,404	22,967	4,240	-	566,278	58	388	-	-	1,276	1,722	568,000
12	DECEMBER	7	90600	259,007	141,664	6,980	779	3,974	20	80,921	61,300	1,386	18,330	3,265	-	577,626	89	330	-	-	955	1,374	579,000
13	TOTAL			3,613,954	2,062,619	94,210	10,473	37,631	309	1,000,537	766,953	20,216	259,803	55,554	126	7,942,386	985	1,055	-	-	17,574	19,614	7,962,000
14	12 MONTHS AVERAGE			301,163	173,552	7,851	873	3,136	26	83,378	63,913	1,685	21,650	4,630	11	661,868	82	88	-	-	1,465	1,635	683,503
To WPFR-16(7)(v) P. 3																							
***** MAXIMUM NON-COINCIDENT KW DEMANDS (b) *****																							
15	JANUARY	26	79999200	772,794	206,179	10,769	987	7,746	10	89,984	73,713	1,840	27,906	3,569	-	1,195,497	102	295	-	-	1,702	2,099	1,197,596
16	FEBRUARY	8	79999200	894,257	215,818	10,357	1,085	8,685	7	89,309	68,316	1,966	28,223	4,134	-	1,322,157	138	62	-	-	1,637	1,837	1,323,994
17	MARCH	12	79999200	815,344	222,293	10,190	989	8,292	23	86,928	76,196	1,489	30,502	4,264	-	1,256,510	103	40	-	-	1,049	1,192	1,257,702
18	APRIL	28	11100	763,616	215,218	9,771	1,054	6,200	34	100,650	81,686	2,980	33,514	4,659	41	1,219,423	89	(1,080)	-	-	961	(30)	1,219,393
19	MAY	24	79999200	661,354	223,198	9,666	1,091	5,619	31	100,712	77,030	2,803	31,591	5,045	28	1,118,168	79	97	-	-	1,777	1,953	1,120,121
20	JUNE	29	16000800	679,231	243,120	11,031	1,029	-	36	106,280	77,914	1,601	31,933	5,612	21	1,157,808	115	55	-	-	2,329	2,499	1,160,307
21	JULY	6	79999200	737,882	247,857	10,939	1,004	-	43	104,503	87,085	2,459	29,557	5,381	16	1,226,726	143	142	-	-	2,610	2,895	1,229,621
22	AUGUST	12	16000800	756,373	259,549	11,291	1,013	-	41	103,931	84,377	2,460	29,555	4,818	24	1,253,432	130	201	-	-	2,878	3,209	1,256,641
23	SEPTEMBER	14	79999200	982,296	278,187	12,337	1,031	-	52	112,784	91,259	2,209	31,656	4,412	19	1,516,242	116	168	-	-	3,299	3,583	1,519,825
24	OCTOBER	11	79999200	766,319	232,414	10,407	1,023	6,293	54	99,260	80,280	2,050	27,152	3,820	6	1,229,078	87	506	-	-	2,699	3,292	1,232,370
25	NOVEMBER	23	79999200	639,142	204,461	8,757	1,038	6,289	49	91,991	75,182	1,817	31,207	3,704	-	1,063,637	84	463	-	-	1,734	2,281	1,065,918
26	DECEMBER	7	90600	813,416	216,602	9,866	1,024	8,186	31	98,156	80,861	2,000	30,775	3,405	-	1,264,322	126	400	-	-	1,604	2,130	1,266,452
27	TOTAL			9,282,024	2,764,896	125,381	12,368	57,310	411	1,184,488	953,899	25,674	363,571	52,823	155	14,823,000	1,312	1,349	-	-	24,279	26,940	14,849,940
28	ANNUAL MAXIMUM			982,296	278,187	12,337	1,091	8,685	54	112,784	91,259	2,980	33,514	5,612	41	1,528,840	143	506	-	-	3,299	3,948	1,532,788
To WPFR-16(7)(v) P. 4																							
***** DIVERSIFIED CLASS KW DEMANDS (b) *****																							
29	JANUARY	26	79999200	303,964	166,610	8,703	858	6,958	8	78,217	63,434	1,584	-	3,680	-	634,016	82	257	-	-	339	634,355	
30	FEBRUARY	8	79999200	339,087	169,359	8,127	948	7,903	5	78,025	58,520	1,588	-	4,265	-	667,827	108	54	-	-	162	667,989	
31	MARCH	12	79999200	286,465	144,480	6,623	863	6,748	15	75,833	64,745	1,194	-	4,396	-	591,362	67	35	-	-	102	591,464	
32	APRIL	28	11100	235,065	168,837	7,665	968	6,026	27	92,427	72,199	2,604	-	4,803	32	590,653	70	(992)	-	-	152	589,731	
33	MAY	24	79999200	292,144	182,113	7,887	995	5,299	25	91,821	66,780	2,458	-	5,209	23	654,754	64	88	-	-	152	654,906	
34	JUNE	29	16000800	340,705	208,841	9,476	916	-	31	94,646	67,039	1,402	-	5,801	19	728,876	98	50	-	-	148	729,024	
35	JULY	6	79999200	360,639	211,673	9,341	909	-	37	94,655	73,731	2,259	-	5,560	13	758,817	122	128	-	-	250	759,067	
36	AUGUST	12	16000800	370,775	224,070	9,748	913	-	36	93,675	73,687	2,195	-	4,982	21	780,102	112	181	-	-	293	780,395	
37	SEPTEMBER	14	79999200	414,419	238,840	10,592	964	-	44	105,497	81,272	1,863	-	4,556	17	858,064	100	157	-	-	257	858,321	
38	OCTOBER	11	79999200	296,715	186,670	8,359	923	5,128	43	89,548	71,049	1,686	-	3,939	5	664,065	69	457	-	-	526	664,591	
39	NOVEMBER	23	79999200	205,677	148,395	6,355	916	5,594	36	81,220	65,897	1,502	-	3,819	-	519,411	61	409	-	-	470	519,881	
40	DECEMBER	7	90600	285,290	166,723	7,594	891	6,906	24	85,416	69,305	1,598	-	3,510	-	627,257	97	347	-	-	444	627,701	
41	TOTAL			3,730,945	2,216,611	100,470	11,064	50,562	331	1,060,980	827,658	21,933	-	54,520	130	8,075,204	1,050	1,171	-	-	2,221	8,077,425	
42	12 MONTHS AVERAGE			310,912	184,718	8,373	922	4,214	28	88,415	68,972	1,828	-	4,543	11	672,936	88	98	-	-	186	673,122	
To WPFR-16(7)(v) P. 4 & 7																							

(a) Source: WPFR-16(7)(v), Page 12.
 (b) Sources: WPFR-16(7)(v), Pages 13-32.

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022

Work Paper FR-16(7)(v)
 Witness Responsible:
 James E. Ziolkowski
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SUMMARY OF RECONCILIATION OF RATE GROUP SYSTEM PEAK

LINE NO.	Month	-SYS PEAK-		Residential (3)	Distr. Secondary (DS)			EH (7)	SP (8)	Time of Day (DT)		DP Primary Distr. (11)	TT Trans (12)	Lighting (13)	Other (14)	Total Excl. RTP Incremental (15)	RTP					RTP Incr. (21)	Total Incl. RTP (22)	
		Day (1)	Hour (2)		Small \ (4)	Large (5)	GS-FL (6)			Secondary (9)	Primary (10)						DS Incr. (16)	DT sec. Incr. (17)	Primary Incr. (18)	DP Incr. (19)	TT Incr. (20)			
42	AUGUST																							
43	Calculated Peaks (a)	12	160000800	361,606	217,189	9,448	868	-	34	89,028	72,293	2,185	23,328	5,016	21	781,016	108	173	-	-	2,272	2,553	783,569	
44	Peak per Form 1 (b)																						814,000	
45	Adjustment to match Form 1 system peak			18,749	11,261		45	-	2			113		260	1	30,431							-	30,431
46	Adjusted Peaks			380,355	228,450	9,448	913	-	36	89,028	72,293	2,298	23,328	5,276	22	811,447	108	173	-	-	2,272	2,553	814,000	
47																								
48	SEPTEMBER																							
49	Calculated Peaks (a)	14	79999200	417,080	214,887	9,530	917	-	41	100,278	76,521	1,854	23,579	4,585	15	849,287	89	150	-	-	2,458	2,697	851,984	
50	Peak per Form 1 (b)																						722,000	
51	Adjustment to match Form 1 system peak			(84,791)	(43,686)		(186)	-	(8)			(377)		(932)	(3)	(129,984)							-	(129,984)
52	Adjusted Peaks			332,289	171,201	9,530	731	-	33	100,278	76,521	1,477	23,579	3,653	12	719,303	89	150	-	-	2,458	2,697	722,000	
53																								
54	OCTOBER																							
55	Calculated Peaks (a)	11	79999200	280,438	164,398	7,363	864	2,626	38	83,779	64,955	1,505	19,678	3,963	4	629,611	61	427	-	-	1,956	2,444	632,055	
56	Peak per Form 1 (b)																						596,000	
57	Adjustment to match Form 1 system peak			(22,279)	(13,061)		(69)	(209)	(3)			(120)		(315)	(0)	(36,055)							-	(36,055)
58	Adjusted Peaks			258,159	151,337	7,363	795	2,417	35	83,779	64,955	1,385	19,678	3,648	4	593,556	61	427	-	-	1,956	2,444	596,000	
59																								
60	NOVEMBER																							
61	Calculated Peaks (a)	23	79999200	206,932	142,361	6,097	870	5,182	34	77,104	62,249	1,272	22,967	3,842	-	528,910	58	388	-	-	1,276	1,722	530,632	
62	Peak per Form 1 (b)																						568,000	
63	Adjustment to match Form 1 system peak			21,450	14,757		90	537	4			132		398	-	37,368							-	37,368
64	Adjusted Peaks			228,382	157,118	6,097	960	5,719	38	77,104	62,249	1,404	22,967	4,240	-	566,278	58	388	-	-	1,276	1,722	568,000	
65																								
66	DECEMBER																							
67	Calculated Peaks (a)	7	90600	280,224	153,268	6,980	843	4,299	22	80,921	61,300	1,500	18,330	3,532	-	611,219	89	330	-	-	955	1,374	612,593	
68	Peak per Form 1 (b)																						579,000	
69	Adjustment to match Form 1 system peak			(21,217)	(11,604)		(64)	(325)	(2)			(114)		(267)	-	(33,593)							-	(33,593)
70	Adjusted Peaks			259,007	141,664	6,980	779	3,974	20	80,921	61,300	1,386	18,330	3,265	-	577,626	89	330	-	-	955	1,374	579,000	
71																								
72	System Total Peaks			3,619,420	2,077,586	94,210	10,423	37,530	309	1,000,537	766,953	20,078	259,803	54,866	123	7,941,838	985	1,055	-	-	17,574	19,614	7,961,452	
73	Peak per Form 1																						7,962,000	
74	Adjustment to match Form 1 system peak			(5,466)	5,033	-	50	101	0	-	-	138	-	688	3	548	-	-	-	-	-	-	548	
75	Adjusted Peaks			3,613,954	2,082,619	94,210	10,473	37,631	309	1,000,537	766,953	20,216	259,803	55,554	126	7,942,386	985	1,055	-	-	17,574	19,614	7,962,000	

(a) Sources: Work paper FR-16(7)(v), Pages 13-32.
 (b) Source: Form 1, Page 401b, Col (d)

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022

Work Paper FR-16(7)(v)
 Witness Responsible:
 James E. Ziolkowski
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DERIVATION OF COINCIDENT AND NON-COINCIDENT KW DEMANDS
 RATE GROUP: RS - RESIDENTIAL

LINE NO.	MONTH	HOURS (1)	TOTAL KWH(a) (2)	AVERAGE HRLY KW (2) / (1) (3)	COINCIDENT PEAK DEMAND				NON-COINCIDENT PEAK ("NCP") DEMAND		DIVERSIFIED PEAK DEMAND				
					COIN PEAK LOAD FACTOR (b) (4)	CP KW DMD. AT DELIVERY (3) / (4) (5)	TRANS & DIST LOSS FACTOR TO GEN (c) (6)	CP KW DMD. AT GENERATION (5) * (6) (7)	NON-COIN CLASS PEAK LOAD FACTOR (b) (8)	NON-COIN KW DMD. AT DELIVERY (3) / (8) (9)	DIVERSIFIED CLASS PEAK LOAD FACTOR (b) (10)	DIVERSIFIED CLASS KW DEMAND AT DELIVERY (3) / (10) (11)	DISTR. LOSS FACTOR TO TRANSMISSION (d) (12)	DIVERSIFIED CLASS KW DEMAND AT TRANSMISSION (11)* (12) (13)	
1															
2	JANUARY	744	150,942,818	202,880	68.83%	294,776	1.03751	305,833	26.25%	772,794	68.83%	294,776	1.03117	303,964	
3	FEBRUARY	672	146,017,735	217,288	70.32%	309,007	1.03807	320,771	24.30%	894,257	66.11%	328,691	1.03163	339,087	
4	MARCH	744	115,157,148	154,781	55.70%	277,860	1.03727	288,216	18.98%	815,344	55.70%	277,860	1.03097	286,465	
5	APRIL	720	95,567,103	132,732	76.93%	172,537	1.03715	178,947	17.38%	763,616	58.21%	228,026	1.03087	235,065	
6	MAY	744	89,751,482	120,634	43.46%	277,584	1.03923	288,474	18.24%	661,354	42.64%	282,924	1.03259	292,144	
7	JUNE	720	121,237,472	168,385	52.80%	318,912	1.04064	331,873	24.79%	679,231	51.09%	329,578	1.03376	340,705	
8	JULY	744	149,742,025	201,266	58.30%	345,227	1.03997	359,026	27.28%	737,882	57.66%	349,051	1.03320	360,639	
9	AUGUST	744	151,268,144	203,317	58.53%	347,361	1.04101	361,606	26.88%	756,373	56.70%	358,562	1.03406	370,775	
10	SEPTEMBER	720	146,898,947	204,026	50.83%	401,359	1.03917	417,080	20.77%	982,296	50.83%	401,359	1.03254	414,419	
11	OCTOBER	744	105,575,579	141,903	52.49%	270,330	1.03739	280,438	18.52%	766,319	49.31%	287,774	1.03107	296,715	
12	NOVEMBER	720	96,033,417	133,380	66.85%	199,508	1.03721	206,932	20.87%	639,142	66.85%	199,508	1.03092	205,677	
13	DECEMBER	744	129,886,403	174,578	64.62%	270,155	1.03727	280,224	21.46%	813,416	63.09%	276,720	1.03097	285,290	
14		<u>8,760</u>	<u>1,498,078,273</u>			<u>3,484,616</u>		<u>3,619,420</u>		<u>9,282,024</u>		<u>3,614,829</u>		<u>3,730,945</u>	

(a) Source: WPFR-16(7)(v), Page 51.
 (b) Source: WPFR-16(7)(v), Page 39
 (c) Source: WPFR-16(7)(v) Page 33, Col 5 (Loss % + 1)
 (d) Source: WPFR-16(7)(v) Page 33, Col 2 (Loss % + 1)
 (e) Source: Form 1, Page 401b, Col (f)

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
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 Witness Responsible:
 James E. Ziolkowski
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SUMMARY OF COINCIDENT AND NON-COINCIDENT KW DEMANDS
 RATE GROUP: DS - TOTAL DISTRIBUTION - SECONDARY VOLTAGE

LINE NO.	MONTH	SMALL / MEDIUM DISTR (1)	LARGE DISTR (2)	TOTAL DISTRIBUTION EXCL. RTP INCR. (1)+(2) (3)	LARGE RTP INCREMENTAL (4)	TOTAL DISTR (3)+(4) (5)
1						
2		***** SYSTEM PEAK COINCIDENT KW DEMANDS (a) *****				
3	JANUARY	161,145	8,418	169,563	79	169,642
4	FEBRUARY	161,301	7,740	169,041	104	169,145
5	MARCH	127,476	5,843	133,319	59	133,378
6	APRIL	169,148	7,679	176,827	71	176,898
7	MAY	167,077	7,236	174,313	59	174,372
8	JUNE	203,678	9,241	212,919	96	213,015
9	JULY	195,658	8,635	204,293	112	204,405
10	AUGUST	217,189	9,448	226,637	108	226,745
11	SEPTEMBER	214,887	9,530	224,417	89	224,506
12	OCTOBER	164,398	7,363	171,761	61	171,822
13	NOVEMBER	142,361	6,097	148,458	58	148,516
14	DECEMBER	153,268	6,980	160,248	89	160,337
15		<u>2,077,586</u>	<u>94,210</u>	<u>2,171,796</u>	<u>985</u>	<u>2,172,781</u>
16						
17		***** MAXIMUM NON-COINCIDENT KW DEMANDS (a) *****				
18	JANUARY	206,179	10,769	216,948	102	217,050
19	FEBRUARY	215,818	10,357	226,175	138	226,313
20	MARCH	222,293	10,190	232,483	103	232,586
21	APRIL	215,218	9,771	224,989	89	225,078
22	MAY	223,198	9,666	232,864	79	232,943
23	JUNE	243,120	11,031	254,151	115	254,266
24	JULY	247,857	10,939	258,796	143	258,939
25	AUGUST	259,549	11,291	270,840	130	270,970
26	SEPTEMBER	278,187	12,337	290,524	116	290,640
27	OCTOBER	232,414	10,407	242,821	87	242,908
28	NOVEMBER	204,461	8,757	213,218	84	213,302
29	DECEMBER	216,602	9,866	226,468	126	226,594
30		<u>2,764,896</u>	<u>125,381</u>	<u>2,890,277</u>	<u>1,312</u>	<u>2,891,589</u>
31						
32		***** DIVERSIFIED CLASS KW DEMANDS (a) *****				
33	JANUARY	166,610	8,703	175,313	82	175,395
34	FEBRUARY	169,359	8,127	177,486	108	177,594
35	MARCH	144,480	6,623	151,103	67	151,170
36	APRIL	168,837	7,665	176,502	70	176,572
37	MAY	182,113	7,887	190,000	64	190,064
38	JUNE	208,841	9,476	218,317	98	218,415
39	JULY	211,673	9,341	221,014	122	221,136
40	AUGUST	224,070	9,748	233,818	112	233,930
41	SEPTEMBER	238,840	10,592	249,432	100	249,532
42	OCTOBER	186,670	8,359	195,029	69	195,098
43	NOVEMBER	148,395	6,355	154,750	61	154,811
44	DECEMBER	166,723	7,594	174,317	97	174,414
45		<u>2,216,611</u>	<u>100,470</u>	<u>2,317,081</u>	<u>1,050</u>	<u>2,318,131</u>

(a) Sources: WPPFR-16(7)(v), Pages 16 - 19. Includes Interdepartmental kwh.

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DUKE ENERGY KENTUCKY, INC.
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 TWELVE MONTHS ENDING MARCH 31, 2022

DERIVATION OF COINCIDENT AND NON-COINCIDENT KW DEMANDS
 RATE GROUP: DS - DISTRIBUTION - SMALL/MEDIUM - SECONDARY VOLTAGE (NO RTP)

LINE NO.	MONTH	HOURS (1)	TOTAL KWH(a) (2)	AVERAGE HRLY KW (2) / (1) (3)	COINCIDENT PEAK DEMAND				NON-COINCIDENT PEAK ("NCP") DEMAND		DIVERSIFIED PEAK DEMAND				
					COIN PEAK LOAD FACTOR (b) (4)	CP KW DMD. AT DELIVERY (3) / (4) (5)	TRANS & DIST LOSS FACTOR TO GEN (c) (6)	CP KW DMD. AT GENERATION (5) * (6) (7)	NON-COIN CLASS PEAK LOAD FACTOR (b) (8)	NON-COIN KW DMD. AT DELIVERY (3) / (8) (9)	DIVERSIFIED CLASS PEAK LOAD FACTOR (b) (10)	DIVERSIFIED CLASS KW DEMAND AT DELIVERY (3) / (10) (11)	DISTR. LOSS FACTOR TO TRANSMISSION (d) (12)	DIVERSIFIED CLASS KW DEMAND AT TRANSMISSION (11)* (12) (13)	
1															
2	JANUARY	744	89,125,284	119,792	77.13%	155,319	1.03751	161,145	58.10%	206,179	74.14%	161,574	1.03117	166,610	
3	FEBRUARY	672	82,745,793	123,134	79.24%	155,385	1.03807	161,301	57.05%	215,818	75.01%	164,166	1.03163	169,359	
4	MARCH	744	78,993,493	106,174	86.39%	122,896	1.03727	127,476	47.76%	222,293	75.76%	140,140	1.03097	144,480	
5	APRIL	720	76,520,147	106,278	65.17%	163,089	1.03715	169,148	49.38%	215,218	64.89%	163,781	1.03087	168,837	
6	MAY	744	76,021,002	102,179	63.56%	160,770	1.03923	167,077	45.78%	223,198	57.94%	176,365	1.03259	182,113	
7	JUNE	720	91,422,871	126,976	64.88%	195,724	1.04064	203,678	52.23%	243,120	62.85%	202,021	1.03376	208,841	
8	JULY	744	102,097,321	137,228	72.94%	188,138	1.03997	195,658	55.37%	247,857	66.98%	204,871	1.03320	211,673	
9	AUGUST	744	102,599,563	137,903	66.10%	208,633	1.04101	217,189	53.13%	259,549	63.64%	216,690	1.03406	224,070	
10	SEPTEMBER	720	103,531,484	143,794	69.54%	206,787	1.03917	214,887	51.69%	278,187	62.16%	231,313	1.03254	238,840	
11	OCTOBER	744	85,832,436	115,366	72.80%	158,473	1.03739	164,398	49.64%	232,414	63.72%	181,045	1.03107	186,670	
12	NOVEMBER	720	77,400,404	107,501	78.32%	137,254	1.03721	142,361	52.58%	204,461	74.68%	143,944	1.03092	148,395	
13	DECEMBER	744	87,284,736	117,318	79.40%	147,761	1.03727	153,268	54.16%	216,602	72.55%	161,715	1.03097	166,723	
14		<u>8,760</u>	<u>1,053,574,534</u>			<u>2,000,229</u>		<u>2,077,586</u>		<u>2,764,896</u>		<u>2,147,625</u>		<u>2,216,611</u>	

(a) Source: WPFR-16(7)(v), Page 51
 (b) Source: WPFR-16(7)(v), Page 40
 (c) Source: WPFR-16(7)(v), Page 33, Col 5 (Loss % + 1)
 (d) Source: WPFR-16(7)(v), Page 33, Col 2 (Loss % + 1)
 (e) Source: Form 1, Page 401b, Col (f)

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022

Work Paper FR-16(7)(v)
 Witness Responsible:
 James E. Ziolkowski
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DERIVATION OF COINCIDENT AND NON-COINCIDENT KW DEMANDS
 RATE GROUP: DP - DISTRIBUTION - LARGE - PRIMARY VOLTAGE - RTP INCREMENTAL

LINE NO.	MONTH	HOURS (1)	TOTAL KWH(a) (2)	AVERAGE HRLY KW (2) / (1) (3)	COINCIDENT PEAK DEMAND				NON-COINCIDENT PEAK ("NCP") DEMAND		DIVERSIFIED PEAK DEMAND					
					COIN PEAK LOAD FACTOR (b) (4)	CP KW DMD. AT DELIVERY (3) / (4) (5)	TRANS & DIST LOSS FACTOR TO GEN (c) (6)	CP KW DMD. AT GENERATION (5) * (6) (7)	NON-COIN CLASS PEAK LOAD FACTOR (b) (8)	NON-COIN KW DMD. AT DELIVERY (3) / (8) (9)	DIVERSIFIED CLASS PEAK LOAD FACTOR (b) (10)	DIVERSIFIED CLASS KW DEMAND AT DELIVERY (3) / (10) (11)	DISTR. LOSS FACTOR TO TRANSMISSION (d) (12)	DIVERSIFIED CLASS KW DEMAND AT TRANSMISSION (11)* (12) (13)		
1																
2	JANUARY	744	-	-	91.65%	-	1.03751	-	68.48%	-	82.05%	-	1.03117	-		
3	FEBRUARY	672	-	-	96.67%	-	1.03807	-	66.82%	-	85.36%	-	1.03163	-		
4	MARCH	744	-	-	90.13%	-	1.03727	-	62.87%	-	80.80%	-	1.03097	-		
5	APRIL	720	-	-	110.31%	-	1.03715	-	70.38%	-	83.01%	-	1.03087	-		
6	MAY	744	-	-	89.00%	-	1.03923	-	67.53%	-	79.53%	-	1.03259	-		
7	JUNE	720	-	-	80.92%	-	1.04064	-	67.56%	-	79.77%	-	1.03376	-		
8	JULY	744	-	-	73.59%	-	1.03997	-	65.42%	-	73.59%	-	1.03320	-		
9	AUGUST	744	-	-	76.67%	-	1.04101	-	65.42%	-	75.81%	-	1.03406	-		
10	SEPTEMBER	720	-	-	77.85%	-	1.03917	-	62.88%	-	77.00%	-	1.03254	-		
11	OCTOBER	744	-	-	83.40%	-	1.03739	-	59.03%	-	74.01%	-	1.03107	-		
12	NOVEMBER	720	-	-	96.27%	-	1.03721	-	64.95%	-	80.99%	-	1.03092	-		
13	DECEMBER	744	-	-	85.64%	-	1.03727	-	61.91%	-	79.88%	-	1.03097	-		
14		<u>8,760</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

- (a) No KWH value for this class
- (b) Source: WPFR-16(7)(v), Page 42
- (c) Source: WPFR-16(7)(v), Page 33, Col 5 (Loss % + 1)
- (d) Source: WPFR-16(7)(v), Page 33, Col 2 (Loss % + 1)
- (e) Source: Form 1, Page 401b, Col (f)

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022

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 Witness Responsible:
 James E. Ziolkowski
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DERIVATION OF COINCIDENT AND NON-COINCIDENT KW DEMANDS
 RATE GROUP: TT - TRANSMISSION RTP - INCREMENTAL

LINE NO.	MONTH	HOURS (1)	TOTAL KWH(a) (2)	AVERAGE HRLY KW (2) / (1) (3)	COINCIDENT PEAK DEMAND				NON-COINCIDENT PEAK ("NCP") DEMAND	
					COIN PEAK LOAD FACTOR (b) (4)	CP KW DMD. AT DELIVERY (3) / (4) (5)	TRANS & DIST LOSS FACTOR TO GEN (c) (6)	CP KW DMD. AT GENERATION (5) * (6) (7)	NON-COIN CLASS PEAK LOAD FACTOR (b) (8)	NON-COIN KW DMD. AT DELIVERY (3) / (8) (9)
1										
2	JANUARY	744	797,479	1,072	92.17%	1,163	1.00615	1,170	62.97%	1,702
3	FEBRUARY	672	766,978	1,141	99.27%	1,149	1.00624	1,156	69.71%	1,637
4	MARCH	744	542,867	730	97.17%	751	1.00611	756	69.59%	1,049
5	APRIL	720	456,967	635	98.46%	645	1.00609	649	66.07%	961
6	MAY	744	837,442	1,126	90.83%	1,240	1.00643	1,248	63.36%	1,777
7	JUNE	720	1,157,458	1,608	88.53%	1,816	1.00666	1,828	69.03%	2,329
8	JULY	744	1,324,320	1,780	96.83%	1,838	1.00655	1,850	68.19%	2,610
9	AUGUST	744	1,468,498	1,974	87.48%	2,257	1.00672	2,272	68.58%	2,878
10	SEPTEMBER	720	1,558,763	2,165	88.67%	2,442	1.00642	2,458	65.62%	3,299
11	OCTOBER	744	1,335,915	1,796	92.37%	1,944	1.00613	1,956	66.54%	2,699
12	NOVEMBER	720	829,138	1,152	90.83%	1,268	1.00610	1,276	66.44%	1,734
13	DECEMBER	744	744,596	1,001	105.44%	949	1.00611	955	62.42%	1,604
14		<u>8,760</u>	<u>11,820,421</u>			<u>17,462</u>		<u>17,574</u>		<u>24,279</u>

(a) Source: WPFR-16(7)(v), Page 51

(b) Source: WPFR-16(7)(v), Page 46

(c) Source: WPFR-16(7)(v) Page 33, Col 3 (Loss % + 1)

(d) Source: Form 1, Page 401b, Col (f)

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022

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 Witness Responsible:
 James E. Ziolkowski
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DERIVATION OF COINCIDENT AND NON-COINCIDENT KW DEMANDS
 RATE GROUP: LIGHTING

LINE NO.	MONTH	HOURS (1)	TOTAL KWH(a) (2)	BURNING HOURS (3)	AVERAGE HRLY KW (2) / (3) (4)	CP KW DMD. AT DELIVERY (5)	TRANS & DIST LOSS FACTOR TO GEN (b) (6)	CP KW DMD. AT GENERATION (5) * (6) (7)	("NCP") DEMAND	DIVERSIFIED PEAK DEMAND		
									NON-COIN KW DMD. AT DELIVERY (4) (8)	DIVERSIFIED CLASS KW DEMAND AT DELIVERY (4) (9)	DISTR. LOSS FACTOR TO TRANSMISSION (d) (10)	DIVERSIFIED CLASS KW DEMAND AT TRANSMISSION (11)* (12) (11)
1												
2	JANUARY	744	1,541,942	432	3,569	3,569	1.03751	3,703	3,569	3,569	1.03117	3,680
3	FEBRUARY	672	1,496,493	362	4,134	4,134	1.03807	4,291	4,134	4,134	1.03163	4,265
4	MARCH	744	1,547,695	363	4,264	4,264	1.03727	4,423	4,264	4,264	1.03097	4,396
5	APRIL	720	1,458,328	313	4,659	4,659	1.03715	4,832	4,659	4,659	1.03087	4,803
6	MAY	744	1,447,896	287	5,045	5,045	1.03923	5,243	5,045	5,045	1.03259	5,209
7	JUNE	720	1,453,539	259	5,612	5,612	1.04064	5,840	5,612	5,612	1.03376	5,801
8	JULY	744	1,479,782	275	5,381	5,381	1.03997	5,596	5,381	5,381	1.03320	5,560
9	AUGUST	744	1,469,584	305	4,818	4,818	1.04101	5,016	4,818	4,818	1.03406	4,982
10	SEPTEMBER	720	1,469,160	333	4,412	4,412	1.03917	4,585	4,412	4,412	1.03254	4,556
11	OCTOBER	744	1,466,896	384	3,820	3,820	1.03739	3,963	3,820	3,820	1.03107	3,939
12	NOVEMBER	720	1,503,653	406	3,704	3,704	1.03721	3,842	3,704	3,704	1.03092	3,819
13	DECEMBER	744	1,501,422	441	3,405	3,405	1.03727	3,532	3,405	3,405	1.03097	3,510
14		<u>8,760</u>	<u>17,836,390</u>			<u>52,823</u>		<u>54,866</u>	<u>52,823</u>	<u>52,823</u>		<u>54,520</u>

(a) Source: WPFR-16(7)(v), Page 50. Street Lighting Coin Peak KW Demand only if: Approx. Sunset > System Peak > Approx. Sunrise
 (b) Source: WPFR-16(7)(v), Page 33, Col 5 (Loss % + 1)
 (c) Source: WPFR-16(7)(v), Page 33, Col 2 (Loss % + 1)
 (d) Source: Form 1, Page 401b, Col (f)

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
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DERIVATION OF COINCIDENT AND NON-COINCIDENT KW DEMANDS
 RATE GROUP: DT - PRIMARY RTP INCREMENTAL

LINE NO.	MONTH	HOURS (1)	TOTAL KWH(a) (2)	AVERAGE HRLY KW (2) / (1) (3)	COINCIDENT PEAK DEMAND				NON-COINCIDENT PEAK ("NCP") DEMAND		DIVERSIFIED PEAK DEMAND			
					COIN PEAK LOAD FACTOR (b) (4)	CP KW DMD. AT DELIVERY (3) / (4) (5)	TRANS & DIST LOSS FACTOR TO GEN (c) (6)	CP KW DMD. AT GENERATION (5) * (6) (7)	NON-COIN CLASS PEAK LOAD FACTOR (b) (8)	NON-COIN KW DMD. AT DELIVERY (3) / (8) (9)	DIVERSIFIED CLASS PEAK LOAD FACTOR (b) (10)	DIVERSIFIED CLASS KW DEMAND AT DELIVERY (3) / (10) (11)	DISTR. LOSS FACTOR TO TRANSMISSION (d) (12)	DIVERSIFIED CLASS KW DEMAND AT TRANSMISSION (11)* (12) (13)
1														
2	JANUARY	744	0	-	94.41%	-	1.03751	-	73.53%	-	88.11%	-	1.03117	-
3	FEBRUARY	672	0	-	92.97%	-	1.03807	-	74.19%	-	89.35%	-	1.03163	-
4	MARCH	744	0	-	111.62%	-	1.03727	-	70.89%	-	86.02%	-	1.03097	-
5	APRIL	720	0	-	82.42%	-	1.03715	-	69.11%	-	80.61%	-	1.03087	-
6	MAY	744	0	-	87.67%	-	1.03923	-	67.69%	-	80.62%	-	1.03259	-
7	JUNE	720	0	-	91.13%	-	1.04064	-	70.53%	-	84.74%	-	1.03376	-
8	JULY	744	0	-	94.95%	-	1.03997	-	70.94%	-	86.57%	-	1.03320	-
9	AUGUST	744	0	-	88.17%	-	1.04101	-	72.57%	-	85.93%	-	1.03406	-
10	SEPTEMBER	720	0	-	87.28%	-	1.03917	-	70.42%	-	81.65%	-	1.03254	-
11	OCTOBER	744	0	-	89.41%	-	1.03739	-	69.74%	-	81.25%	-	1.03107	-
12	NOVEMBER	720	0	-	88.60%	-	1.03721	-	70.73%	-	83.19%	-	1.03092	-
13	DECEMBER	744	0	-	95.46%	-	1.03727	-	69.77%	-	83.92%	-	1.03097	-
14		<u>8,760</u>	<u>-</u>											

- (a) No KWH value for this class
- (b) Source: WPFR-16(7)(v), Page 44
- (c) Source: WPFR-16(7)(v), Page 33, Col 5 (Loss % + 1)
- (d) Source: WPFR-16(7)(v), Page 33, Col 2 (Loss % + 1)
- (e) Source: Form 1, Page 401b, Col (f)

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022

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 Witness Responsible:
 James E. Ziolkowski
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DERIVATION OF COINCIDENT AND NON-COINCIDENT KW DEMANDS
 RATE GROUP: DT SECONDARY - RTP - INCREMENTAL

LINE NO.	MONTH	HOURS (1)	TOTAL KWH(a) (2)	AVERAGE HRLY KW (2) / (1) (3)	COINCIDENT PEAK DEMAND				NON-COINCIDENT PEAK ("NCP") DEMAND		DIVERSIFIED PEAK DEMAND				
					COIN PEAK LOAD FACTOR (b) (4)	CP KW DMD. AT DELIVERY (3) / (4) (5)	TRANS & DIST LOSS FACTOR TO GEN (c) (6)	CP KW DMD. AT GENERATION (5) * (6) (7)	NON-COIN CLASS PEAK LOAD FACTOR (b) (8)	NON-COIN KW DMD. AT DELIVERY (3) / (8) (9)	DIVERSIFIED CLASS PEAK LOAD FACTOR (b) (10)	DIVERSIFIED CLASS KW DEMAND AT DELIVERY (3) / (10) (11)	DISTR. LOSS FACTOR TO TRANSMISSION (d) (12)	DIVERSIFIED CLASS KW DEMAND AT TRANSMISSION (11)* (12) (13)	
1															
2	JANUARY	744	155,164	209	85.45%	245	1.03751	254	70.85%	295	84.05%	249	1.03117	257	
3	FEBRUARY	672	29,245	44	88.42%	50	1.03807	52	71.33%	62	84.23%	52	1.03163	54	
4	MARCH	744	20,649	28	110.67%	25	1.03727	26	70.40%	40	83.20%	34	1.03097	35	
5	APRIL	720	(534,096)	(742)	77.42%	(958)	1.03715	(994)	68.68%	(1,080)	77.10%	(962)	1.03087	(992)	
6	MAY	744	45,807	62	76.79%	81	1.03923	84	64.24%	97	72.75%	85	1.03259	88	
7	JUNE	720	28,167	39	83.09%	47	1.04064	49	70.38%	55	81.70%	48	1.03376	50	
8	JULY	744	73,602	99	88.18%	112	1.03997	116	69.80%	142	79.62%	124	1.03320	128	
9	AUGUST	744	103,205	139	83.97%	166	1.04101	173	69.10%	201	79.27%	175	1.03406	181	
10	SEPTEMBER	720	84,692	118	81.98%	144	1.03917	150	70.14%	168	77.43%	152	1.03254	157	
11	OCTOBER	744	257,480	346	84.08%	412	1.03739	427	68.41%	506	78.18%	443	1.03107	457	
12	NOVEMBER	720	232,269	323	86.32%	374	1.03721	388	69.75%	463	81.45%	397	1.03092	409	
13	DECEMBER	744	203,042	273	85.93%	318	1.03727	330	68.29%	400	80.91%	337	1.03097	347	
14		<u>8,760</u>	<u>699,226</u>			<u>1,016</u>		<u>1,055</u>		<u>1,349</u>		<u>1,134</u>		<u>1,171</u>	

(a) Source: WPFR-16(7)(v), Page 51
 (b) Source: WPFR-16(7)(v), Page 43
 (c) Source: WPFR-16(7)(v), Page 33, Col 5 (Loss % + 1)
 (d) Source: WPFR-16(7)(v), Page 33, Col 2 (Loss % + 1)
 (e) Source: Form 1, Page 401b, Col (f)

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022

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 Witness Responsible:
 James E. Ziolkowski
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DERIVATION OF COINCIDENT AND NON-COINCIDENT KW DEMANDS
 RATE GROUP: OTHER - (e)

LINE NO.	MONTH	HOURS (1)	TOTAL KWH(a) (2)	AVERAGE HRLY KW (2) / (1) (3)	COINCIDENT PEAK DEMAND				NON-COINCIDENT PEAK ("NCP") DEMAND		DIVERSIFIED PEAK DEMAND			
					COIN PEAK LOAD FACTOR (b) (4)	CP KW DMD. AT DELIVERY (3) / (4) (5)	TRANS & DIST LOSS FACTOR TO GEN (c) (6)	CP KW DMD. AT GENERATION (5) * (6) (7)	NON-COIN CLASS PEAK LOAD FACTOR (b) (8)	NON-COIN KW DMD. AT DELIVERY (3) / (8) (9)	DIVERSIFIED CLASS PEAK LOAD FACTOR (b) (10)	DIVERSIFIED CLASS KW DEMAND AT DELIVERY (3) / (10) (11)	DISTR. LOSS FACTOR TO TRANSMISSION (d) (12)	DIVERSIFIED CLASS KW DEMAND AT TRANSMISSION (11)* (12) (13)
1														
2	JANUARY	744	0	0	77.13%	-	1.03751	-	58.10%	-	74.14%	0	1.03117	0
3	FEBRUARY	672	0	0	79.24%	-	1.03807	-	57.05%	-	75.01%	0	1.03163	0
4	MARCH	744	0	0	86.39%	-	1.03727	-	47.76%	-	75.76%	0	1.03097	0
5	APRIL	720	14,280	20	65.17%	31	1.03715	32	49.38%	41	64.89%	31	1.03087	32
6	MAY	744	9,720	13	63.56%	20	1.03923	21	45.78%	28	57.94%	22	1.03259	23
7	JUNE	720	8,040	11	64.88%	17	1.04064	18	52.23%	21	62.85%	18	1.03376	19
8	JULY	744	6,840	9	72.94%	12	1.03997	12	55.37%	16	66.98%	13	1.03320	13
9	AUGUST	744	9,600	13	66.10%	20	1.04101	21	53.13%	24	63.64%	20	1.03406	21
10	SEPTEMBER	720	6,840	10	69.54%	14	1.03917	15	51.69%	19	62.16%	16	1.03254	17
11	OCTOBER	744	2,400	3	72.80%	4	1.03739	4	49.64%	6	63.72%	5	1.03107	5
12	NOVEMBER	720	0	0	78.32%	-	1.03721	-	52.58%	-	74.68%	0	1.03092	0
13	DECEMBER	744	0	0	79.40%	-	1.03727	-	54.16%	-	72.55%	0	1.03097	0
14		<u>8,760</u>	<u>57,720</u>			<u>118</u>		<u>123</u>		<u>155</u>		<u>125</u>		<u>130</u>
15														

- (a) Source: WPFR-16(7)(v), Page 51
- (b) Source: WPFR-16(7)(v), Page 40 Uses DS- Small/Med Load Factors
- (c) Source: WPFR-16(7)(v), Page 33, Col 5 (Loss % + 1)
- (d) Source: WPFR-16(7)(v) Page 33, Col 2 (Loss % + 1)
- (e) Flood Pumping
- (f) Source: Form 1, Page 401b, Col (f)

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022

Work Paper FR-16(7)(v)
 Witness Responsible:
 James E. Ziolkowski
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DERIVATION OF COINCIDENT AND NON-COINCIDENT KW DEMANDS
 RATE GROUP: GS-FL - GENERAL SERVICE RATE FOR SMALL FIXED LOADS

LINE NO.	MONTH	HOURS (1)	TOTAL KWH(a) (2)	AVERAGE HRLY KW (2) / (1) (3)	COINCIDENT PEAK DEMAND				NON-COINCIDENT PEAK ("NCP") DEMAND		DIVERSIFIED PEAK DEMAND				
					COIN PEAK LOAD FACTOR (b) (4)	CP KW DMD. AT DELIVERY (3) / (4) (5)	TRANS & DIST LOSS FACTOR TO GEN (c) (6)	CP KW DMD. AT GENERATION (5) * (6) (7)	NON-COIN PEAK LOAD FACTOR (b) (8)	NON-COIN KW DMD. AT DELIVERY (3) / (8) (9)	DIVERSIFIED CLASS PEAK LOAD FACTOR (b) (10)	DIVERSIFIED CLASS KW DEMAND AT DELIVERY (3) / (10) (11)	DISTR. LOSS FACTOR TO TRANSMISSION (d) (12)	DIVERSIFIED CLASS KW DEMAND AT TRANSMISSION (11)* (12) (13)	
1															
2	JANUARY	744	520,096	699	85.45%	818	1.03751	849	70.85%	987	84.05%	832	1.03117	858	
3	FEBRUARY	672	520,090	774	88.42%	875	1.03807	908	71.33%	1,085	84.23%	919	1.03163	948	
4	MARCH	744	518,168	696	110.67%	629	1.03727	652	70.40%	989	83.20%	837	1.03097	863	
5	APRIL	720	521,206	724	77.42%	935	1.03715	970	68.68%	1,054	77.10%	939	1.03087	968	
6	MAY	744	521,206	701	76.79%	913	1.03923	949	64.24%	1,091	72.75%	964	1.03259	995	
7	JUNE	720	521,206	724	83.09%	871	1.04064	906	70.38%	1,029	81.70%	886	1.03376	916	
8	JULY	744	521,206	701	88.18%	795	1.03997	827	69.80%	1,004	79.62%	880	1.03320	909	
9	AUGUST	744	520,686	700	83.97%	834	1.04101	868	69.10%	1,013	79.27%	883	1.03406	913	
10	SEPTEMBER	720	520,562	723	81.98%	882	1.03917	917	70.14%	1,031	77.43%	934	1.03254	964	
11	OCTOBER	744	521,154	700	84.08%	833	1.03739	864	68.41%	1,023	78.18%	895	1.03107	923	
12	NOVEMBER	720	521,048	724	86.32%	839	1.03721	870	69.75%	1,038	81.45%	889	1.03092	916	
13	DECEMBER	744	520,096	699	85.93%	813	1.03727	843	68.29%	1,024	80.91%	864	1.03097	891	
14		<u>8,760</u>	<u>6,246,724</u>			<u>10,037</u>		<u>10,423</u>		<u>12,368</u>		<u>10,722</u>		<u>11,064</u>	

(a) Source: WPFR-16(7)(v), Page 51
 (b) Source: WPFR-16(7)(v), Page 43
 (c) Source: WPFR-16(7)(v) Page 33, Col 5 (Loss % + 1)
 (d) Source: WPFR-16(7)(v) Page 33, Col 4 (Loss % + 1)

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022

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 Witness Responsible:
 James E. Ziolkowski
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DERIVATION OF COINCIDENT AND NON-COINCIDENT KW DEMANDS
 RATE GROUP: EH - OPTIONAL RATE FOR ELECTRIC SPACE HEATING

LINE NO.	MONTH	HOURS (1)	TOTAL KWH(a) (2)	AVERAGE HRLY KW (2) / (1) (3)	COINCIDENT PEAK DEMAND				NON-COINCIDENT PEAK ("NCP") DEMAND		DIVERSIFIED PEAK DEMAND				
					COIN PEAK LOAD FACTOR (b) (4)	CP KW DMD. AT DELIVERY (3) / (4) (5)	TRANS & DIST LOSS FACTOR TO GEN (c) (6)	CP KW DMD. AT GENERATION (5) * (6) (7)	NON-COIN CLASS PEAK LOAD FACTOR (b) (8)	NON-COIN KW DMD. AT DELIVERY (3) / (8) (9)	DIVERSIFIED CLASS PEAK LOAD FACTOR (b) (10)	DIVERSIFIED CLASS KW DEMAND AT DELIVERY (3) / (10) (11)	DISTR. LOSS FACTOR TO TRANSMISSION (d) (12)	DIVERSIFIED CLASS KW DEMAND AT TRANSMISSION (11)* (12) (13)	
1															
2	JANUARY	744	2,587,789	3,478	51.85%	6,708	1.03751	6,960	44.90%	7,746	51.54%	6,748	1.03117	6,958	
3	FEBRUARY	672	2,502,634	3,724	51.88%	7,178	1.03807	7,451	42.88%	8,685	48.61%	7,661	1.03163	7,903	
4	MARCH	744	2,240,940	3,012	88.14%	3,417	1.03727	3,544	36.32%	8,292	46.02%	6,545	1.03097	6,748	
5	APRIL	720	1,720,404	2,389	61.85%	3,862	1.03715	4,005	38.53%	6,200	40.86%	5,846	1.03087	6,026	
6	MAY	744	1,639,896	2,204	66.15%	3,332	1.03923	3,463	39.22%	5,619	42.95%	5,132	1.03259	5,299	
7	JUNE	720	58,346	81											
8	JULY	744	(34,274)	(46)											
9	AUGUST	744	12,269	16											
10	SEPTEMBER	720	12,022	17											
11	OCTOBER	744	1,745,677	2,346	92.70%	2,531	1.03739	2,626	37.28%	6,293	47.17%	4,973	1.03107	5,128	
12	NOVEMBER	720	1,739,563	2,416	48.35%	4,996	1.03721	5,182	38.42%	6,289	44.53%	5,426	1.03092	5,594	
13	DECEMBER	744	2,266,999	3,047	73.52%	4,145	1.03727	4,299	37.22%	8,186	45.49%	6,699	1.03097	6,906	
14		<u>8,760</u>	<u>16,492,265</u>			<u>36,169</u>		<u>37,530</u>		<u>57,310</u>		<u>49,030</u>		<u>50,562</u>	

(a) Source: WPFR-16(7)(v), Page 51
 (b) Source: WPFR-16(7)(v), Page 45
 (c) Source: WPFR-16(7)(v), Page 33, Col 5 (Loss % + 1)
 (d) Source: WPFR-16(7)(v), Page 33, Col 2 (Loss % + 1)
 (e) Source: Form 1, Page 401b, Col (f)

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
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 TWELVE MONTHS ENDING MARCH 31, 2022

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DERIVATION OF COINCIDENT AND NON-COINCIDENT KW DEMANDS
 RATE GROUP: SP - SEASONAL SPORTS SERVICE

LINE NO.	MONTH	HOURS (1)	TOTAL KWH(a) (2)	AVERAGE HRLY KW (2) / (1) (3)	COINCIDENT PEAK DEMAND				NON-COINCIDENT PEAK ("NCP") DEMAND		DIVERSIFIED PEAK DEMAND			
					COIN PEAK LOAD FACTOR (b) (4)	CP KW DMD. AT DELIVERY (3) / (4) (5)	TRANS & DIST LOSS FACTOR TO GEN (c) (6)	CP KW DMD. AT GENERATION (5) * (6) (7)	NON-COIN CLASS PEAK LOAD FACTOR (b) (8)	NON-COIN KW DMD. AT DELIVERY (3) / (8) (9)	DIVERSIFIED CLASS PEAK LOAD FACTOR (b) (10)	DIVERSIFIED CLASS KW DEMAND AT DELIVERY (3) / (10) (11)	DISTR. LOSS FACTOR TO TRANSMISSION (d) (12)	DIVERSIFIED CLASS KW DEMAND AT TRANSMISSION (11)* (12) (13)
1														
2	JANUARY	744	4,423	6	77.13%	8	1.03751	8	58.10%	10	74.14%	8	1.03117	8
3	FEBRUARY	672	2,548	4	79.24%	5	1.03807	5	57.05%	7	75.01%	5	1.03163	5
4	MARCH	744	8,367	11	86.39%	13	1.03727	13	47.76%	23	75.76%	15	1.03097	15
5	APRIL	720	12,077	17	65.17%	26	1.03715	27	49.38%	34	64.89%	26	1.03087	27
6	MAY	744	10,329	14	63.56%	22	1.03923	23	45.78%	31	57.94%	24	1.03259	25
7	JUNE	720	13,738	19	64.88%	29	1.04064	30	52.23%	36	62.85%	30	1.03376	31
8	JULY	744	17,745	24	72.94%	33	1.03997	34	55.37%	43	66.98%	36	1.03320	37
9	AUGUST	744	16,347	22	66.10%	33	1.04101	34	53.13%	41	63.64%	35	1.03406	36
10	SEPTEMBER	720	19,552	27	69.54%	39	1.03917	41	51.69%	52	62.16%	43	1.03254	44
11	OCTOBER	744	20,191	27	72.80%	37	1.03739	38	49.64%	54	63.72%	42	1.03107	43
12	NOVEMBER	720	18,464	26	78.32%	33	1.03721	34	52.58%	49	74.68%	35	1.03092	36
13	DECEMBER	744	12,925	17	79.40%	21	1.03727	22	54.16%	31	72.55%	23	1.03097	24
14		<u>8,760</u>	<u>156,706</u>			<u>299</u>		<u>309</u>		<u>411</u>		<u>322</u>		<u>331</u>

(a) Source: WPFR-16(7)(v), Page 51
 (b) Source: WPFR-16(7)(v), Page 40
 (c) Source: WPFR-16(7)(v), Page 33, Col 5 (Loss % + 1)
 (d) Source: WPFR-16(7)(v), Page 33, Col 2 (Loss % + 1)
 (e) Source: Form 1, Page 401b, Col (f)

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
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 TWELVE MONTHS ENDING MARCH 31, 2022

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DEVELOPMENT OF FACTORS FOR KWH LOSSES & COMPANY USE

LINE NO.	DESCRIPTION	SOURCE	KWH
1	Total kWh Available for Delivery	FERC Form1 p.401a, line 20	4,702,007,000
2	Less: Sales to other Utilities	FERC Form1 p.401a, line 24	553,959,000
3	System Adjustment	N/A	0
4	Total Available for Firm Deliveries	Lines 1 - 2 + 3	<u>4,148,048,000</u>
5			
6	Transmission Losses	Lines 33 + 34	15,746,000
7	Allocated Company Use to Transmission	Line 45	38,509
8	Total Transmission Losses & Company Use	Lines 6 + 7	<u>15,784,509</u>
9			
10	Load on Transmission System after Losses and Company use	Line 4 - Line 8	4,132,263,491
11			
12	Trans Loss Factor (TLF)	Line 8 / Line 10	0.38198216%
13			
14			
15			
16	Total Firm Billed Sales (Billed and Unbilled)	WPFR-16(7)(v), Page 9, col (3)	3,910,169,694
17	Less Transmission Sales (Billed and Unbilled)	WPFR-16(7)(v), Page 9, col (3)	(187,161,104)
18	Total Load on Distribution System	Line 16 + Line 17	<u>3,723,008,590</u>
19			
20	Distribution Losses	Line 35	87,550,000
21	Plus: Allocated Company Use	Line 46	766,030
22	Total Distribution Losses & Company Use	Line 20 + 21	<u>88,316,030</u>
23			
24	Distribution Loss Factor (DLF)	Line 22 / Line 18	2.37216830%
25			
26			
27			
28	Total Loss Factor	(TLF + (TLF * DLF) + DLF)	2.76321172%
29			

30				
31				
32	<u>Additional Detail on Company Losses</u>			
33	Transmission Losses - Duke Energy Kentucky	Transmission Planning		15,746,000
34	Transmission Losses - PJM			0
35	Distribution Losses	Transmission Planning		87,550,000
36	Total Company Losses	Line 33 + 34 + 35		<u>103,296,000</u>
37				
38				
39	<u>Additional Detail on Allocation of Company Use</u>		Alloc %	KWH
40	Firm Transmission Billed Sales	WPFR-16(7)(v), Page 9, col (3)	4.7865%	187,161,104
41	Firm Distribution Billed Sales	WPFR-16(7)(v), Page 9, col (3)	95.2135%	3,723,008,590
42	Total Firm Billed Sales		<u>100.0000%</u>	<u>3,910,169,694</u>
43				
44	Total Company Use	WPFR-16(7)(v), Page 37		<u>804,539</u>
45	Allocated Company Use - Transmission	Line 44 * Line 40		38,509
46	Allocated Company Use - Distribution	Line 44 * Line 41		766,030

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MONTHLY STATISTICS
 RESIDENTIAL - RS RATE GROUP
 APRIL 2021 THROUGH MARCH 2022

DATE	NUMBER OF CUSTOMERS		SAMPLE AVG. USAGE	AVERAGE NCP	GROUP COINCIDENT DEMAND		SYSTEM COINCIDENT DEMAND		NCD LOAD FACTOR	GROUP COIN LOAD FACTOR	SYSTEM COIN LOAD FACTOR
	OBSERVED	POPULATION	KWH	KW	KW	DATE-TIME	KW	DATE-TIME			
January		134,850	1,232	6.306	2.405	01/26/22 08:00	2.405	01/26/22 08:00	26.25	68.83	68.83
February		135,005	977	5.982	2.198	02/03/22 19:00	2.067	02/08/22 08:00	24.30	66.11	70.32
March		135,008	795	5.631	1.919	03/12/22 20:00	1.919	03/12/22 20:00	18.98	55.70	55.70
April		133,975	681	5.442	1.625	04/01/21 20:00	1.229	04/28/21 15:00	17.38	58.21	76.93
May		134,092	761	5.608	2.398	05/24/21 18:00	2.353	05/24/21 17:00	18.24	42.64	43.46
June		134,196	1,027	5.754	2.791	06/29/21 17:00	2.701	06/29/21 16:00	24.79	51.09	52.80
July		134,259	1,168	5.756	2.724	07/06/21 18:00	2.694	07/06/21 17:00	27.28	57.66	58.30
August		134,355	1,204	6.023	2.855	08/24/21 18:00	2.766	08/12/21 16:00	26.88	56.70	58.53
September		134,426	878	5.869	2.398	09/14/21 17:00	2.398	09/14/21 17:00	20.77	50.83	50.83
October		134,487	723	5.251	1.972	10/10/21 17:00	1.853	10/11/21 17:00	18.52	49.31	52.49
November		134,601	841	5.595	1.746	11/23/21 08:00	1.746	11/23/21 08:00	20.87	66.85	66.85
December		134,723	912	5.713	1.944	12/07/21 19:00	1.898	12/07/21 18:00	21.46	63.09	64.62

Note: All hours are in EST

DUKE ENERGY KENTUCKY, INC.
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MONTHLY STATISTICS
 DISTRIBUTION SECONDARY - SMALL AND MEDIUM - DS < 500kw RATE GROUP
 APRIL 2021 THROUGH MARCH 2022

DATE	NUMBER OF CUSTOMERS		SAMPLE AVG. USAGE KWH	AVERAGE NCP KW	GROUP COINCIDENT DEMAND		SYSTEM COINCIDENT DEMAND		NCD LOAD FACTOR	GROUP COIN LOAD FACTOR	SYSTEM COIN LOAD FACTOR
	OBSERVED	POPULATION			KW	DATE-TIME	KW	DATE-TIME			
January		13,569	8,712	20.154	15.796	01/26/22 10:00	15.185	01/26/22 08:00	58.10	74.14	77.13
February		13,554	7,571	19.748	15.015	02/08/22 10:00	14.212	02/08/22 08:00	57.05	75.01	79.24
March		13,547	7,508	21.128	13.318	03/08/22 11:00	11.681	03/12/22 20:00	47.76	75.76	86.39
April		13,574	7,248	20.386	15.504	04/28/21 14:00	15.439	04/28/21 15:00	49.38	64.89	65.17
May		13,599	7,963	23.380	18.470	05/25/21 14:00	16.833	05/24/21 17:00	45.78	57.94	63.56
June		13,663	9,061	24.097	19.995	06/29/21 14:00	19.372	06/29/21 16:00	52.23	62.85	64.88
July		13,677	9,628	23.374	19.320	07/29/21 14:00	17.737	07/06/21 17:00	55.37	66.98	72.94
August		13,688	9,977	25.240	21.063	08/12/21 14:00	20.280	08/12/21 16:00	53.13	63.64	66.10
September		13,702	8,477	22.779	18.952	09/14/21 14:00	16.942	09/14/21 17:00	51.69	62.16	69.54
October		13,641	7,789	21.091	16.422	10/14/21 13:00	14.379	10/11/21 17:00	49.64	63.72	72.80
November		13,618	7,364	19.453	13.707	11/23/21 10:00	13.070	11/23/21 08:00	52.58	74.68	78.32
December		13,592	7,716	19.148	14.293	12/07/21 11:00	13.060	12/07/21 18:00	54.16	72.55	79.40

Note: All hours are in EST

KWH	HOURS	KWH/HR	NCD		GROUP		SYSTEM		DIFFERENCE		
			AVERAGE KW * POPULATION	LOAD FACTOR	COINCIDENT DEM KW * POPULTION	COIN LOAD FACTOR	COINCIDENT DEM KW * POPULTION	COIN LOAD FACTOR	NCD LOAD FACTOR	GROUP COIN LOAD FACTOR	SYSTEM COIN LOAD FACTOR
118,215,088	744	158,891	273,474	58.10	605,006,657	0.03	605,005,526	0.03	0.00	74.11	77.10
102,623,457	672	152,713	267,662	57.05	604,514,048	0.03	604,512,918	0.03	0.00	74.98	79.22
101,710,318	744	136,707	286,220	47.76	604,581,725	0.02	604,640,993	0.02	0.00	75.74	86.37
98,385,814	720	136,647	276,717	49.38	601,526,154	0.02	601,526,720	0.02	0.00	64.87	65.14
108,291,603	744	145,553	317,944	45.78	603,001,192	0.02	602,989,293	0.02	0.00	57.91	63.53
123,804,621	720	171,951	329,233	52.23	606,317,258	0.03	606,318,397	0.03	0.00	62.82	64.85
131,685,791	744	176,997	319,687	55.37	607,348,840	0.03	607,035,979	0.03	0.00	66.95	72.91
136,568,714	744	183,560	345,481	53.13	608,028,945	0.03	608,030,085	0.03	0.00	63.61	66.07
116,158,385	720	161,331	312,115	51.69	609,102,999	0.03	609,104,712	0.03	0.00	62.14	69.51
106,249,939	744	142,809	287,700	49.64	606,799,992	0.02	606,761,342	0.02	0.00	63.70	72.77
100,284,086	720	139,283	264,910	52.58	606,319,888	0.02	606,318,753	0.02	0.00	74.66	78.30
104,879,987	744	140,968	260,266	54.16	605,353,134	0.02	605,357,098	0.02	0.00	72.52	79.37

DUKE ENERGY KENTUCKY, INC.
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MONTHLY STATISTICS
 DISTRIBUTION PRIMARY - DP
 APRIL 2021 THROUGH MARCH 2022

DATE	NUMBER OF CUSTOMERS		SAMPLE AVG. USAGE	AVERAGE NCP	GROUP COINCIDENT DEMAND		SYSTEM COINCIDENT DEMAND		NCD LOAD FACTOR	GROUP COIN LOAD FACTOR	SYSTEM COIN LOAD FACTOR
	OBSERVED	POPULATION	KWH	KW	KW	DATE-TIME	KW	DATE-TIME			
January	10	10	92,415	181.388	151.388	01/27/22 19:00	135.530	01/26/22 08:00	68.48	82.05	91.65
February	10	10	86,200	191.962	150.270	02/05/22 21:00	132.688	02/08/22 08:00	66.82	85.36	96.67
March	10	10	91,223	195.036	151.744	03/17/22 12:00	136.046	03/12/22 20:00	62.87	80.80	90.13
April	9	9	166,294	328.180	278.220	04/09/21 15:00	209.373	04/28/21 15:00	70.38	83.01	110.31
May	9	9	168,310	334.993	284.456	05/26/21 13:00	254.187	05/24/21 17:00	67.53	79.53	89.00
June	8	8	100,235	206.048	174.510	06/29/21 17:00	172.050	06/29/21 16:00	67.56	79.77	80.92
July	10	10	105,196	216.126	192.126	07/06/21 17:00	192.126	07/06/21 17:00	65.42	73.59	73.59
August	10	10	106,559	218.946	188.934	08/13/21 13:00	186.812	08/12/21 16:00	65.42	75.81	76.67
September	10	10	96,258	212.614	173.636	09/14/21 16:00	171.726	09/14/21 17:00	62.88	77.00	77.85
October	10	10	90,178	205.338	163.776	10/05/21 15:00	145.338	10/11/21 17:00	59.03	74.01	83.40
November	10	10	85,036	181.830	145.832	11/17/21 18:00	122.688	11/23/21 08:00	64.95	80.99	96.27
December	10	10	90,805	197.142	152.792	12/10/21 18:00	142.522	12/07/21 18:00	61.91	79.88	85.64

Note: All hours are in EST

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022

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MONTHLY STATISTICS
 DT - DISTRIBUTION SECONDARY
 APRIL 2021 THROUGH MARCH 2022

DATE	NUMBER OF CUSTOMERS		SAMPLE AVG. USAGE	AVERAGE NCP	GROUP COINCIDENT DEMAND		SYSTEM COINCIDENT DEMAND		NCD LOAD FACTOR	GROUP COIN LOAD FACTOR	SYSTEM COIN LOAD FACTOR
	OBSERVED	POPULATION	KWH	KW	KW	DATE-TIME	KW	DATE-TIME			
January	119	119	400,902	760.569	641.129	01/21/22 11:00	630.575	01/26/22 08:00	70.85	84.05	85.45
February	119	119	368,328	768.372	650.712	02/22/22 14:00	619.857	02/08/22 08:00	71.33	84.23	88.42
March	119	119	417,643	797.370	674.706	03/23/22 13:00	507.217	03/12/22 20:00	70.40	83.20	110.67
April	113	113	400,981	810.897	722.345	04/28/21 13:00	719.379	04/28/21 15:00	68.68	77.10	77.42
May	115	115	423,186	885.446	768.438	05/24/21 13:00	728.042	05/24/21 17:00	64.24	72.75	76.79
June	119	119	452,690	893.299	776.052	06/28/21 13:00	763.097	06/29/21 16:00	70.38	81.70	83.09
July	118	118	477,688	919.838	799.604	07/29/21 13:00	728.129	07/06/21 17:00	69.80	79.62	88.18
August	119	119	495,669	964.161	840.398	08/24/21 15:00	793.375	08/12/21 16:00	69.10	79.27	83.97
September	118	118	448,116	887.319	803.830	09/14/21 13:00	759.192	09/14/21 17:00	70.14	77.43	81.98
October	118	118	434,218	853.179	746.508	10/06/21 13:00	694.157	10/11/21 17:00	68.41	78.18	84.08
November	119	119	387,917	772.396	661.501	11/08/21 15:00	624.172	11/23/21 08:00	69.75	81.45	86.32
December	119	119	389,964	767.477	647.800	12/02/21 16:00	609.982	12/07/21 18:00	68.29	80.91	85.93

Note: All hours are in EST

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
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MONTHLY STATISTICS
 DT - PRIMARY
 APRIL 2021 THROUGH MARCH 2022

DATE	NUMBER OF CUSTOMERS		SAMPLE AVG. USAGE	AVERAGE NCP	GROUP COINCIDENT DEMAND		SYSTEM COINCIDENT DEMAND		NCD LOAD FACTOR	GROUP COIN LOAD FACTOR	SYSTEM COIN LOAD FACTOR
	OBSERVED	POPULATION	KWH	KW	KW	DATE-TIME	KW	DATE-TIME			
January	38	38	1,042,779	1,906.185	1,590.804	01/27/22 02:00	1,484.586	01/26/22 08:00	73.53	88.11	94.41
February	38	38	953,050	1,911.647	1,587.329	02/02/22 16:00	1,525.545	02/08/22 08:00	74.19	89.35	92.97
March	38	38	1,045,783	1,982.696	1,634.100	03/17/22 15:00	1,259.286	03/12/22 20:00	70.89	86.02	111.62
April	39	39	920,600	1,850.008	1,586.185	04/07/21 15:00	1,551.385	04/28/21 15:00	69.11	80.61	82.42
May	39	39	970,215	1,926.535	1,617.443	05/25/21 21:00	1,487.497	05/24/21 17:00	67.69	80.62	87.67
June	40	40	1,062,247	2,091.780	1,741.056	06/28/21 13:00	1,618.965	06/29/21 16:00	70.53	84.74	91.13
July	38	38	1,168,400	2,213.649	1,813.961	07/29/21 11:00	1,654.034	07/06/21 17:00	70.94	86.57	94.95
August	38	38	1,236,295	2,289.762	1,933.780	08/12/21 14:00	1,884.539	08/12/21 16:00	72.57	85.93	88.17
September	38	38	1,122,727	2,214.238	1,909.779	09/15/21 15:00	1,786.656	09/14/21 17:00	70.42	81.65	87.28
October	38	38	1,090,431	2,101.605	1,803.905	10/06/21 15:00	1,639.146	10/11/21 17:00	69.74	81.25	89.41
November	38	38	985,941	1,936.079	1,646.087	11/17/21 15:00	1,545.523	11/23/21 08:00	70.73	83.19	88.60
December	38	38	1,012,775	1,951.085	1,622.019	12/02/21 16:00	1,425.943	12/07/21 18:00	69.77	83.92	95.46

Note: All hours are in EST

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
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MONTHLY STATISTICS
 OPTIONAL RATE FOR ELECTRIC SPACE HEATING - EH RATE GROUP
 APRIL 2021 THROUGH MARCH 2022

DATE	NUMBER OF CUSTOMERS		SAMPLE AVG. USAGE KWH	AVERAGE NCP KW	GROUP COINCIDENT DEMAND KW DATE-TIME		SYSTEM COINCIDENT DEMAND KW DATE-TIME		NCD LOAD FACTOR	GROUP COIN LOAD FACTOR	SYSTEM COIN LOAD FACTOR
	OBSERVED	POPULATION			KW	DATE-TIME	KW	DATE-TIME			
January	92	92	32,616	97.633	85.056	01/11/22 08:00	84.547	01/26/22 08:00	44.90	51.54	51.85
February	92	92	26,377	91.545	80.753	02/14/22 08:00	75.660	02/08/22 08:00	42.88	48.61	51.88
March	93	93	22,348	82.698	65.268	03/28/22 08:00	34.081	03/12/22 20:00	36.32	46.02	88.14
April	88	88	17,430	62.821	59.243	04/02/21 07:00	39.138	04/28/21 15:00	38.53	40.86	61.85
May	88	88	17,696	60.641	55.384	05/24/21 12:00	35.955	05/24/21 17:00	39.22	42.95	66.15
June											
July											
August											
September											
October	92	92	18,556	66.902	52.868	10/06/21 12:00	26.904	10/11/21 17:00	37.28	47.17	92.70
November	92	92	21,627	78.188	67.455	11/29/21 08:00	62.119	11/23/21 08:00	38.42	44.53	48.35
December	92	92	22,322	80.607	65.960	12/09/21 08:00	40.810	12/07/21 18:00	37.22	45.49	73.52

Note: All hours are in EST

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
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MONTHLY STATISTICS
 TRANSMISSION - TT
 APRIL 2021 THROUGH MARCH 2022

DATE	NUMBER OF CUSTOMERS		SAMPLE AVG. USAGE	AVERAGE NCP	GROUP COINCIDENT DEMAND		SYSTEM COINCIDENT DEMAND		NCD LOAD FACTOR	GROUP COIN LOAD FACTOR	SYSTEM COIN LOAD FACTOR
	OBSERVED	POPULATION	KWH	KW	KW	DATE-TIME	KW	DATE-TIME			
January	13	13	1,139,388	2,432.107	1,971.274	01/28/22 15:00	1,661.502	01/26/22 08:00	62.97	77.69	92.17
February	13	13	1,119,757	2,390.280	2,020.283	02/18/22 08:00	1,678.529	02/08/22 08:00	69.71	82.48	99.27
March	13	13	1,257,934	2,429.658	2,020.695	03/07/22 15:00	1,740.009	03/12/22 20:00	69.59	83.67	97.17
April	13	13	1,224,152	2,573.206	2,089.129	04/07/21 07:00	1,726.785	04/28/21 15:00	66.07	81.38	98.46
May	13	13	1,274,074	2,702.865	2,146.932	05/27/21 10:00	1,885.252	05/24/21 17:00	63.36	79.76	90.83
June	13	13	1,273,739	2,562.668	2,110.723	06/15/21 07:00	1,998.363	06/29/21 16:00	69.03	83.81	88.53
July	13	13	1,304,303	2,571.034	2,058.077	07/19/21 12:00	1,810.455	07/06/21 17:00	68.19	85.18	96.83
August	13	13	1,323,049	2,592.849	2,162.631	08/24/21 07:00	2,032.889	08/12/21 16:00	68.58	82.23	87.48
September	13	13	1,166,627	2,469.185	2,077.135	09/20/21 12:00	1,827.449	09/14/21 17:00	65.62	78.01	88.67
October	13	13	1,186,487	2,396.794	1,968.397	10/14/21 08:00	1,726.400	10/11/21 17:00	66.54	81.02	92.37
November	13	13	1,134,165	2,370.754	1,920.154	11/23/21 14:00	1,734.271	11/23/21 08:00	66.44	82.04	90.83
December	13	13	1,111,876	2,394.126	1,911.862	12/18/21 09:00	1,417.369	12/07/21 18:00	62.42	78.17	105.44

Note: All hours are in EST.

DUKE ENERGY KENTUCKY, INC.
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COST SUPPORT FOR PRIMARY AND SECONDARY LINE ALLOCATION

	Conductors and Devices					
	Overhead (365)	%	Underground (367)	%	Total (a)	%
Secondary	581	29%	162	17%	743	25% (b)
Primary	1,427	71%	781	83%	2,208	75% (b)
Total	2,008	100%	943	100%	2,951	100%

Source: Circuit Miles Report

(a) To Work Paper FR-16(7)(v), Page 7.

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COST SUPPORT FOR SERVICE COST WEIGHTING

Size in KVA	SERVICE COST WEIGHTING					
	Overhead		Underground (c)		Weighted Service Cost (d)	Weighting Factor (f)
	Cost (a)	Service Weighting	Cost (a)	Service Weighting		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
25	2,380	90.89%	3,552	9.11%	2,487	1
50	2,688	90.89%	4,504	9.11%	2,853	1
100	4,622	90.89%	4,538	9.11%	4,614	2
150 (e)	8,051	90.89%	12,916	9.11%	8,495	3
300 (e)	13,584	90.89%	14,599	9.11%	13,676	5

Services	Net Plant (b)	Percent
Overhead	\$ 28,835,299	90.89%
Underground	2,890,636	9.11%
Total	<u>31,725,935</u>	<u>100.00%</u>

- Sources: (a) Engineering Standards & Support
 (b) Fixed Asset Accounting - Account 369
 (c) Customers own underground service except for some underground services in Park Hill in Covington
 (d) Column (2) * column (3) + column (4) * column (5).
 (e) Services for KVA sizes 150 and 300 are based on average of costs for 120/208 and 277/480 voltage
 (f) Weighting Factor Calculation: $\frac{\text{Weighted Service Cost by transformer size}}{\text{Weighted Service Cost of lowest transformer size (25 kva)}}$

DUKE ENERGY KENTUCKY, INC.
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LIGHTING

Month	Peak		LT KWH	BURN HOURS (a)	APPROX. SUNSET(b)	APPROX. SUNRISE (b)	+ 30 minutes Light on at:	- 30 minutes Lights off at:	LIGHT ON AT PEAK
	Day	Hour							
JANUARY	26	79999200	1,541,942	432	1741	754	1811	724	y
FEBRUARY	8	79999200	1,496,493	362	1816	730	1846	700	y
MARCH	12	79999200	1,547,695	363	1842	633	1912	603	y
APRIL	28	11100	1,458,328	313	1916	629	1946	559	y
MAY	24	79999200	1,447,896	287	1945	525	2015	455	y
JUNE	29	160000800	1,453,539	259	2011	525	2041	455	y
JULY	6	79999200	1,479,782	275	2021	525	2051	455	y
AUGUST	12	160000800	1,469,584	305	1932	538	2002	508	y
SEPTEMBER	14	79999200	1,469,160	333	1832	620	1902	550	y
OCTOBER	11	79999200	1,466,896	384	1730	639	1800	609	y
NOVEMBER	23	79999200	1,503,653	406	1725	721	1755	651	y
DECEMBER	7	90600	1,501,422	441	1718	750	1748	720	y
			<u>17,836,390</u>	<u>4,160</u>					

(a) Street Lights burn from dawn until dusk, a total of 4,160 hours per year.

(b) Based on monthly average of Sunrise/Sunset chart using EST.

If sunrise/sunset light time > 30 min after hour, used next hour.

DUKE ENERGY KENTUCKY, INC.
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ELECTRIC KWH

Rate Group	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
RS	150,942,818	146,017,735	115,157,148	95,567,103	89,751,482	121,237,472	149,742,025	151,268,144	146,898,947	105,575,579	96,033,417	129,886,403	1,498,078,273
DS	93,691,475	86,710,265	82,597,354	79,978,412	79,298,774	95,576,362	106,617,899	107,069,044	108,119,240	89,656,731	80,707,060	91,210,188	1,101,232,804
DT-Secondary	47,586,593	42,840,054	45,551,308	49,236,666	48,179,520	53,886,988	54,343,688	53,533,754	57,042,982	50,774,970	46,432,593	50,077,053	599,486,169
DT-Primary	40,325,133	34,059,292	40,190,039	40,648,119	38,792,796	39,566,447	45,965,009	45,557,436	46,272,924	41,653,940	38,286,188	41,973,447	493,290,770
EH	2,587,789	2,502,634	2,240,940	1,720,404	1,639,896	58,346	-34,274	12,269	12,022	1,745,677	1,739,563	2,266,999	16,492,265
SP	4,423	2,548	8,367	12,077	10,329	13,738	17,745	16,347	19,552	20,191	18,464	12,925	156,706
GSFL	520,096	520,090	518,168	521,206	521,206	521,206	521,206	520,686	520,562	521,154	521,048	520,096	6,246,724
DP	937,480	882,733	696,501	1,509,876	1,408,543	779,160	1,197,359	1,197,385	999,916	900,109	849,434	920,725	12,279,221
WS				14,280	9,720	8,040	6,840	9,600	6,840	2,400			57,720
TT	13,871,394	13,988,288	16,335,085	16,400,561	15,728,631	17,029,086	16,319,229	16,549,642	16,515,491	14,776,786	15,758,433	15,037,147	188,309,773
Lighting	1,541,942	1,496,493	1,547,695	1,458,328	1,447,896	1,453,539	1,479,782	1,469,584	1,469,160	1,466,896	1,503,653	1,501,422	17,836,390
Interdepartmental Sales	133,321	59,985	53,618	47,250	41,223	37,365	43,735	45,145	46,856	51,286	39,627	101,468	700,879
TOTAL	352,142,464	329,080,117	304,896,223	287,114,282	276,830,016	330,167,749	376,220,243	377,249,036	377,924,492	307,145,719	281,889,480	333,507,873	3,934,167,694
DS	89,125,284	82,745,793	78,993,493	76,520,147	76,021,002	91,422,871	102,097,321	102,599,563	103,531,484	85,832,436	77,400,404	87,284,736	1,053,574,534
DS - LMR	4,522,017	3,911,189	3,567,583	3,426,374	3,251,050	4,110,622	4,461,888	4,417,784	4,544,723	3,792,366	3,275,022	3,874,605	47,155,223
RTP - DS - Incremental	44,174	53,283	36,278	31,891	26,722	42,869	58,690	51,697	43,033	31,929	31,634	50,847	503,047
Total DS	93,691,475	86,710,265	82,597,354	79,978,412	79,298,774	95,576,362	106,617,899	107,069,044	108,119,240	89,656,731	80,707,060	91,210,188	1,101,232,804
DT Sec Volt	47,431,429	42,810,809	45,530,659	49,770,762	48,133,713	53,858,821	54,270,086	53,430,549	56,958,290	50,517,490	46,200,324	49,874,011	598,786,943
RTP - DT Sec volt-incremental	155,164	29,245	20,649	-534,096	45,807	28,167	73,602	103,205	84,692	257,480	232,269	203,042	699,226
DT-Secondary	47,586,593	42,840,054	45,551,308	49,236,666	48,179,520	53,886,988	54,343,688	53,533,754	57,042,982	50,774,970	46,432,593	50,077,053	599,486,169
DT Pri Volt	40,325,133	34,059,292	40,190,039	40,648,119	38,792,796	39,566,447	45,965,009	45,557,436	46,272,924	41,653,940	38,286,188	41,973,447	493,290,770
RTP - DT Pri volt-incremental													-
DT-Primary	40,325,133	34,059,292	40,190,039	40,648,119	38,792,796	39,566,447	45,965,009	45,557,436	46,272,924	41,653,940	38,286,188	41,973,447	493,290,770
Total DT	87,911,726	76,899,346	85,741,347	89,884,785	86,972,316	93,453,435	100,308,697	99,091,190	103,315,906	92,428,910	84,718,781	92,050,500	1,092,776,939
DP	749,869	709,279	534,948	1,371,635	1,278,376	653,110	1,068,167	1,058,701	862,502	774,015	721,823	752,642	10,535,067
DP-L	187,611	173,454	161,553	138,241	130,167	126,050	129,192	138,684	137,414	126,094	127,611	168,083	1,744,154
Total DP	937,480	882,733	696,501	1,509,876	1,408,543	779,160	1,197,359	1,197,385	999,916	900,109	849,434	920,725	12,279,221
TT	13,073,915	13,221,310	15,792,218	15,943,594	14,891,189	15,871,628	14,994,909	15,081,144	14,956,728	13,440,871	14,929,295	14,292,551	176,489,352
RTP - TT - Incremental	797,479	766,978	542,867	456,967	837,442	1,157,458	1,324,320	1,468,498	1,558,763	1,335,915	829,138	744,596	11,820,421
Total TT	13,871,394	13,988,288	16,335,085	16,400,561	15,728,631	17,029,086	16,319,229	16,549,642	16,515,491	14,776,786	15,758,433	15,037,147	188,309,773

Source: Revenue Stats File

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
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ELECTRIC CUSTOMERS

<u>RATE</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Total</u>	<u>Avg</u>
RS	131,977	132,249	132,011	132,037	132,470	132,229	132,679	132,720	132,523	133,000	127,938	133,794	1,585,627	132,136
DS	13,095	13,121	13,253	13,243	13,264	13,263	13,171	13,148	13,142	13,118	12,416	13,175	157,409	13,117
DS-RTP	4	2	4	4	4	4	4	4	4	4	4	4	46	4
DT-Secondary	142	141	133	132	129	132	133	132	132	133	124	132	1,595	133
DT-Sec-RTP	4	2	2	2	2	2	2	2	2	2	2	2	26	2
DT-Primary	40	39	42	39	38	39	38	38	37	38	33	38	459	38
DT-Pri-RTP	0	0	0	0	0	0	0	0	0	0	0	0	-	-
EH	136	136	3	3	3	1	139	141	141	140	129	142	1,114	93
SP	13	13	13	13	13	13	13	13	13	13	11	13	154	13
GSFL	167	167	167	167	163	169	222	218	218	218	217	214	2,307	192
DP	9	9	7	11	11	10	10	10	10	10	10	9	116	10
WS	11	11	11	11	11	11	2						68	6
TT	11	11	11	11	11	11	11	11	11	10	8	11	128	11
TT-RTP	4	4	4	4	4	4	4	4	4	4	4	4	48	4
LIGHTING	1,924	2,232	(3,682)	419	268	259	(261)	172	265	508	6,362	(457)	8,009	667
TOTAL	147,537	148,137	141,979	146,096	146,391	146,147	146,167	146,613	146,502	147,198	147,258	147,081	1,757,106	146,426

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022

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LINE TRANSFORMERS MINIMUM SIZE STUDY - DEMAND/CUSTOMER ALLOCATION

Line No.	Line Transformers (1)	Source (2)	Demand Alloc (3)	Customer Alloc (4)	TOTAL (5) (3) + (4)
1	Demand / Customer %	See note (a) below	77.311%	22.689%	
2	Gross Plant	Line 1 * Line 21	\$ 64,337,631	\$ 18,881,149	\$ 83,218,780
3					
4			To FR-16(7)(v)-1, P. 2	To FR-16(7)(v)-1, P. 2	
5					
6					
7	Demand / Customer %	See note (a) below	77.311%	22.689%	
8	Depreciation Reserve	Line 7 * Line 26 ; note (b)	\$ 21,603,492	\$ 6,339,972	\$ 27,943,464
9					
10			To FR-16(7)(v)-1, P. 3	To FR-16(7)(v)-1, P. 3	
11					
12					
13	Demand / Customer %	See note (a) below	77.311%	22.689%	
14	Maint Line Transformers	Line 13 * Line 27 ; note (c)	\$ 30,104	\$ 8,835	\$ 38,939
			To FR-16(7)(v)-1, P. 8	To FR-16(7)(v)-1, P. 8	

(a) Customer Percentage:		Source:	
Customer portion of FERC 368 Line Transformers		WP FR-16(7)(v), page 54.	\$ 18,881,150
Total Gross Plant FERC 368 Line Transformers		Schedule B-2.1	\$ 83,218,780
Customer Allocation %			22.689%
Demand Allocation %	(100% - Cust %)		77.311%
(b) Depreciation Reserve FERC 368 Line Transformers	Schedule B 3		\$ 27,943,464
(c) Maint Line Transformers FERC 595 Line Transformers	Schedule C-2.1		\$ 38,939

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022
 TRANSFORMERS MINIMUM SIZE STUDY TO DETERMINE DEMAND/CUSTOMER

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Line No.	Year	Quantity (c) (1)	Handy-Whitman Factor (d) (2)	Cost in Year (3) (Col(2) / \$1192 * \$2,231	Minimum Size Cost (4) (1) * (3)		
69	1970	938	105	\$197	\$184,338		
70	1971	1044	104	\$195	\$203,216		
71	1972	1455	100	\$187	\$272,324		
72	1973	1221	100	\$187	\$228,528		
73	1974	1189	110	\$206	\$244,792		
74	1975	492	133	\$249	\$122,473		
75	1976	304	136	\$255	\$77,381		
76	1977	587	147	\$275	\$161,502		
77	1978	688	158	\$296	\$173,588		
78	1979	566	166	\$311	\$213,757		
79	1980	592	165	\$309	\$182,822		
80	1981	634	194	\$363	\$230,205		
81	1982	372	208	\$389	\$144,820		
82	1983	634	210	\$393	\$249,191		
83	1984	603	211	\$395	\$238,135		
84	1985	508	212	\$397	\$201,569		
85	1986	659	213	\$399	\$262,717		
86	1987	453	211	\$395	\$178,897		
87	1988	1120	212	\$397	\$444,403		
88	1989	1277	221	\$414	\$528,210		
89	1990	807	224	\$419	\$338,333		
90	1991	851	222	\$416	\$353,595		
91	1992	793	223	\$417	\$330,980		
92	1993	962	226	\$423	\$406,918		
93	1994	1484	230	\$430	\$638,830		
94	1995	536	225	\$421	\$225,720		
95	1996	790	219	\$410	\$323,813		
96	1997	1087	206	\$386	\$419,102	January	July
97	1998	786	208.5	\$390	\$306,727	208	209
98	1999	792	211	\$395	\$312,774	214	208
99	2000	641	208	\$389	\$249,543	208	208
100	2001	205	214	\$401	\$82,109	211	217
101	2002	405	222.5	\$416	\$168,659	221	224
102	2003	571	226	\$423	\$241,528	223	229
103	2004	811	228.5	\$428	\$346,841	217	240
104	2005	409	254	\$475	\$194,438	250	258
105	2006	375	322	\$603	\$226,001	299	345
106	2007	380	401	\$751	\$285,201	397	405
107	2008	147	560	\$1,048	\$154,074	615	505
108	2009	22	547	\$1,024	\$22,523	534	560
109	2010	555	602.5	\$1,128	\$625,854	588	617
110	2011	141	640	\$1,198	\$168,897	630	650
111	2012	234	681.5	\$1,276	\$298,473	673	690
112	2013	87	746.5	\$1,397	\$121,555	737	756
113	2014	87	809	\$1,514	\$131,732	799	819
114	2015	353	855	\$1,600	\$564,890	854	856
115	2016	345	883	\$1,653	\$570,168	884	882
116	2017	186	932	\$1,744	\$324,453	918	946
117	2018	59	995	\$1,862	\$109,875	982	1008
118	2019	218	1048	\$1,961	\$427,603	1048	1048
119	2020	354	1107.5	\$2,073	\$733,788	1086	1129
120	2021	1762	1192	\$2,231	\$3,931,022	1170	1214
121		36,082			\$ 18,881,150		

\$ 18,881,150 Customer Component of
 FERC 368 Transformers
 to WP FR-16(7)(v), P.53.

- (a) Fully loaded installed cost of 15kVa minimum size overhead transformer. Source: Engineering Standards.
- (b) Handy Whitman Index for Utility Plant Materials/Line Transformers.
- (c) Asset Accounting. Includes all Overhead and Pad-mounted Transformers.
- (d) Handy Whitman Index for Utility Plant Materials/Line Transformers
 Handy Whitman Index unavailable for years 1910 and 1911 so used the index for 1912 for those years.

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022
 DISTRIBUTION PRIMARY POLE - MINIMUM SIZE STUDY - DEMAND/CUSTOMER ALLOCATION

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Line No.	Line Transformers (1)	Source (2)	Demand Alloc (3)	Customer Alloc (4)	TOTAL (5) (3) + (4)
1	Demand / Customer %	See note (a) below	72.300%	27.700%	
2	Gross Plant	Line 1 * Line 21	\$ 45,187,593	\$ 17,312,198	\$ 62,499,791
3			↓	↓	
4			To Sch. E-3.2, P. 2	To Sch. E-3.2, P. 2	
5					
6					
7	Demand / Customer %	See note (a) below	72.300%	27.700%	
8	Depreciation Reserve	Line 7 * Line 26 ; note (b)	\$ 16,804,725	\$ 6,438,200	\$ 23,242,925
9			↓	↓	
10			To Sch. E-3.2, P. 3	To Sch. E-3.2, P. 3	
11					
12					
13	Demand / Customer %	See note (a) below	72.300%	27.700%	
14	Maint Structures	Line 13 * Line 27 ; note (c)	\$ 8,033	\$ 3,078	\$ 11,111
15			↓	↓	
16			To Sch. E-3.2, P. 9	To Sch. E-3.2, P. 9	
17					
18					
19	(a) Customer Percentage:	Source:			
20	Customer portion of FERC 364 Primary Poles	WPE 3.2d, p. 12		\$ 17,312,198	
21	Total Gross Plant FERC 364 Primary Poles	Schedule B-2.1		\$ 62,499,791	
22	Customer Allocation %			27.700%	
23					
24	Demand Allocation %	(100% - Cust %)		72.300%	
25					
26	(b) Depreciation Reserve FERC 364 Primary Poles	Schedule B-3		\$ 23,242,925	
27	(c) Maint Structures - FERC 591	Schedule C-2.1		\$ 11,111	

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022
 DISTRIBUTION PRIMARY POLE - MINIMUM SIZE STUDY - DEMAND/CUSTOMER ALLOCATION

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Line	No.	Year	Quantity (c) (1)	Handy-Whitman Factor (d) (2)	Cost in Year (3) (Col(2) / \$667 * \$1,288	Minimum Size Cost (4) (1) * (3)		
	64	1970	506	69	\$133	\$67,471		
	65	1971	459	73	\$141	\$64,752		
	66	1972	534	77	\$149	\$79,460		
	67	1973	550	100	\$193	\$106,287		
	68	1974	393	150	\$290	\$113,920		
	69	1975	315	205	\$396	\$124,790		
	70	1976	356	192	\$371	\$132,089		
	71	1977	463	190	\$367	\$170,001		
	72	1978	412	206	\$398	\$184,316		
	73	1979	476	234	\$452	\$186,307		
	74	1980	666	265	\$512	\$341,064		
	75	1981	458	289	\$558	\$255,787		
	76	1982	361	291	\$562	\$203,009		
	77	1983	420	280	\$541	\$227,260		
	78	1984	337	276	\$533	\$179,744		
	79	1985	361	283	\$547	\$197,428		
	80	1986	422	289	\$558	\$235,682		
	81	1987	552	284	\$549	\$302,952		
	82	1988	388	289	\$558	\$216,693		
	83	1989	610	300	\$580	\$353,644		
	84	1990	405	310	\$599	\$242,623		
	85	1991	577	323	\$624	\$360,159		
	86	1992	576	332	\$642	\$369,553		
	87	1993	561	367	\$709	\$397,873		
	88	1994	626	416	\$804	\$503,250		
	89	1995	486	445	\$860	\$417,938		
	90	1996	349	463	\$895	\$312,264		
	91	1997	314	473	\$914	\$287,016		
	92	1998	319	471	\$910	\$290,354		
	93	1999	406	473	\$914	\$371,110		
	94	2000	420	471	\$910	\$382,284	January	July
	95	2001	327	483.5	\$934	\$305,534	474	493
	96	2002	70	502	\$970	\$67,907	496	508
	97	2003	161	513	\$991	\$159,610	508	518
	98	2004	503	527.5	\$1,019	\$512,751	514	541
	99	2005	283	547.5	\$1,058	\$299,424	541	554
	100	2006	466	581.5	\$1,124	\$523,662	562	601
	101	2007	297	602	\$1,163	\$345,516	600	604
	102	2008	353	627	\$1,212	\$427,718	611	643
	103	2009	355	659	\$1,274	\$452,095	653	665
	104	2010	296	679	\$1,312	\$388,398	672	686
	105	2011	170	671	\$1,297	\$220,438	664	678
	106	2012	463	692	\$1,337	\$619,160	687	697
	107	2013	435	700	\$1,353	\$588,441	700	700
	108	2014	313	675	\$1,304	\$408,285	675	675
	109	2015	569	664	\$1,283	\$730,123	670	658
	110	2016	386	677	\$1,308	\$505,000	676	678
	111	2017	174	700	\$1,353	\$235,376	670	730
	112	2018	60	666.5	\$1,288	\$77,280	665	668
	113	2019	209	690	\$1,333	\$278,683	687	693
	114	2020	229	798.5	\$1,543	\$353,367	799	798
	115	2021	990	705.5	\$1,363	\$1,349,733	706	705
	116		29,114			\$ 17,312,198	Customer Component of FERC 364 Primary Poles	

to WPE-3.2d, pg 11

- (a) Fully loaded installed cost of 40 ft., class 4, wood pole. Source: Engineering Standards.
- (b) Handy Whitman Index for Utility Plant Materials/Treated Pine Poles.
- (c) Asset Accounting. Includes all Distribution Primary wood poles.
- (d) Handy Whitman Index for Utility Plant Materials/Treated Pine Poles.
 Handy Whitman Index unavailable for years 1915 and 1925 so used the index for 1926 for those years.

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022
 DISTRIBUTION SECONDARY POLE - MINIMUM SIZE STUDY - DEMAND/CUSTOMER ALLOCATION

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Line No.	Line Transformers (1)	Source (2)	Demand Alloc (3)	Customer Alloc (4)	TOTAL (5) (3) + (4)
1	Demand / Customer %	See note (a) below	78.390%	21.610%	
2	Gross Plant	Line 1 * Line 21	\$ 16,331,203	\$ 4,502,061	\$ 20,833,264
3			↓	↓	
4			To Sch. E-3.2, P. 2	To Sch. E-3.2, P. 2	
5					
6					
7	Demand / Customer %	See note (a) below	78.390%	21.610%	
8	Depreciation Reserve	Line 7 * Line 26 ; note (b)	\$ 6,073,379	\$ 1,674,263	\$ 7,747,642
9			↓	↓	
10			To Sch. E-3.2, P. 3	To Sch. E-3.2, P. 3	
11					
12					
13	Demand / Customer %	See note (a) below	78.390%	21.610%	
14	Maint Structures	Line 13 * Line 27 ; note (c)	\$ 2,904	\$ 800	\$ 3,704
15			↓	↓	
16			To Sch. E-3.2, P. 9	To Sch. E-3.2, P. 9	
17					
18					
19	(a) Customer Percentage:		Source:		
20	Customer portion of FERC 364 Secondary Poles		WPE 3.2d, p. 14	\$ 4,502,061	
21	Total Gross Plant FERC 364 Secondary Poles		Schedule B-2.1	\$ 20,833,264	
22	Customer Allocation %			21.610%	
23					
24	Demand Allocation %		(100% - Cust %)	78.390%	
25					
26	(b) Depreciation Reserve FERC 364 Secondary Poles		Schedule B-3	\$ 7,747,642	
27	(c) Maint Structures - FERC 591		Schedule C-2.1	\$ 3,704	

DUKE ENERGY KENTUCKY, INC.
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 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022
 DISTRIBUTION SECONDARY POLE - MINIMUM SIZE STUDY - DEMAND/CUSTOMER ALLOCATION

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Line No.	Year	Quantity (c) (1)	Handy-Whitman Factor (d) (2)	Cost in Year (3) (Col(2) / \$667 * \$820	Minimum Size Cost (4) (1) * (3)		
67	1973	224	100	\$123	\$27,559		
68	1974	161	150	\$185	\$29,712		
69	1975	128	205	\$252	\$32,283		
70	1976	145	192	\$236	\$34,252		
71	1977	189	190	\$234	\$44,180		
72	1978	168	206	\$253	\$47,901		
73	1979	194	234	\$288	\$48,366		
74	1980	272	265	\$326	\$88,681		
75	1981	187	289	\$356	\$66,490		
76	1982	147	291	\$358	\$52,629		
77	1983	172	280	\$344	\$59,252		
78	1984	138	276	\$340	\$46,860		
79	1985	147	283	\$348	\$51,182		
80	1986	172	289	\$356	\$61,156		
81	1987	226	284	\$349	\$78,966		
82	1988	158	289	\$356	\$56,178		
83	1989	249	300	\$369	\$91,904		
84	1990	166	310	\$381	\$63,312		
85	1991	235	323	\$397	\$93,386		
86	1992	235	332	\$408	\$95,989		
87	1993	229	367	\$452	\$103,399		
88	1994	256	416	\$512	\$131,023		
89	1995	199	445	\$547	\$108,950		
90	1996	142	463	\$570	\$80,888		
91	1997	128	473	\$582	\$74,488		
92	1998	130	471	\$579	\$75,332		
93	1999	166	473	\$582	\$96,601		
94	2000	172	471	\$579	\$99,670	January	July
95	2001	133	483.5	\$595	\$79,116	474	493
96	2002	29	502	\$618	\$17,911	496	508
97	2003	66	513	\$631	\$41,656	508	518
98	2004	206	527.5	\$649	\$133,691	514	541
99	2005	115	547.5	\$674	\$77,463	541	554
100	2006	191	581.5	\$715	\$136,646	562	601
101	2007	122	602	\$741	\$90,359	600	604
102	2008	144	627	\$771	\$111,082	611	643
103	2009	145	659	\$811	\$117,562	653	665
104	2010	121	679	\$835	\$101,081	672	686
105	2011	69	671	\$826	\$56,962	664	678
106	2012	189	692	\$851	\$160,909	687	697
107	2013	178	700	\$861	\$153,296	700	700
108	2014	128	675	\$830	\$106,299	675	675
109	2015	233	664	\$817	\$190,343	670	658
110	2016	157	677	\$833	\$130,768	676	678
111	2017	71	700	\$861	\$61,146	670	730
112	2018	25	666.5	\$820	\$20,500	665	668
113	2019	85	690	\$849	\$72,158	687	693
114	2020	93	798.5	\$982	\$91,363	799	798
115	2021	405	705.5	\$868	\$351,533	706	705
113		11,890		\$ 4,502,061	Customer Component of FERC 364 Secondary Poles		

↓
 to WPE-3.2d, pg 13

- (a) Fully loaded installed cost of 35 ft., class 5, wood pole. Source: Engineering Standards.
- (b) Handy Whitman Index for Utility Plant Materials/Treated Pine Poles.
- (c) Asset Accounting. Includes all Distribution Secondary wood poles.
- (d) Handy Whitman Index for Utility Plant Materials/Treated Pine Poles.
 Handy Whitman Index unavailable for years 1915 and 1925 so used the index for 1926 for those years.

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022
 OVERHEAD LINES / PRIMARY - MINIMUM SIZE STUDY - DEMAND/CUSTOMER ALLOCATION

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Line No.	Overhead Lines - Primary (1)	Source (2)	Demand Alloc (3)	Customer Alloc (4)	TOTAL (5) (3) + (4)
1	Demand / Customer %	See note (a) below	83.007%	16.993%	
2	Gross Plant	Line 1 * Line 21	\$ 98,502,589	\$ 20,164,554	\$ 118,667,143
3			↓	↓	
4			To Sch. E-3.2, P. 2	To Sch. E-3.2, P. 2	
5					
6					
7	Demand / Customer %	See note (a) below	83.007%	16.993%	
8	Depreciation Reserve	Line 7 * Line 26 ; note (b)	\$ 21,453,966	\$ 4,391,861	\$ 25,845,827
9			↓	↓	
10			To Sch. E-3.2, P. 3	To Sch. E-3.2, P. 3	
11					
12					
13	Demand / Customer %	See note (a) below	83.007%	16.993%	
14	O&M Overhead Lines	Line 13 * Line 27 ; note (c)	\$ 4,950,078	\$ 1,013,335	\$ 5,963,413
15			↓	↓	
16			To Sch. E-3.2, P. 9	To Sch. E-3.2, P. 9	
17					
18					
19	(a) Customer Percentage:		<u>Source:</u>		
20	Customer portion of FERC 365 Overhead Lines / Primary		WPE 3.2d, p. 16	\$ 20,164,554	
21	Total Gross Plant FERC 365 Overhead Lines / Primary		Schedule B-2.1	\$ 118,667,143	
22	Customer Allocation %			16.993%	
23					
24	Demand Allocation %		(100% - Cust %)	83.007%	
25					
26	(b) Depreciation Reserve FERC 365 Overhead Lines / Primary		Schedule B-3	\$ 25,845,827	
27	(c) Overhead Lines - FERC 583 & 593		Schedule C-2.1	\$ 5,963,413	

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022
 OVERHEAD LINES / PRIMARY - MINIMUM SIZE STUDY - DEMAND/CUSTOMER ALLOCATION

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Line No.	Year	Quantity (c) (1)	Handy-Whitman Factor (d) (2)	Cost in Year (3) (Col(2) / \$793 * \$19,225	Minimum Size Cost (4) (1) * (3)	January	July
64	1980	76	246	\$5,964	\$455,514		
65	1981	41	257	\$6,231	\$252,518		
66	1982	38	252	\$6,109	\$230,444		
67	1983	64	266	\$6,449	\$413,053		
68	1984	40	259	\$6,279	\$252,465		
69	1985	39	249	\$6,037	\$235,869		
70	1986	52	244	\$5,915	\$305,586		
71	1987	62	229	\$5,552	\$344,287		
72	1988	40	349	\$8,461	\$341,703		
73	1989	71	366	\$8,873	\$625,997		
74	1990	50	354	\$8,582	\$428,687		
75	1991	77	363	\$8,800	\$675,557		
76	1992	60	366	\$8,873	\$531,630		
77	1993	57	322	\$7,806	\$445,761		
78	1994	101	341	\$8,267	\$832,394		
79	1995	54	386	\$9,358	\$504,453		
80	1996	30	386	\$9,358	\$284,246		
81	1997	28	387	\$9,382	\$265,470		
82	1998	39	399	\$9,673	\$381,619		
83	1999	49	345	\$8,364	\$411,338		
84	2000	27	381	\$9,237	\$251,996		
85	2001	24	401.5	\$9,734	\$232,879	398	405
86	2002	17	393.5	\$9,540	\$163,898	405	382
87	2003	19	384.5	\$9,322	\$176,326	384	385
88	2004	30	419	\$10,158	\$301,782	395	443
89	2005	16	491	\$11,903	\$187,888	467	515
90	2006	49	624	\$15,128	\$748,701	600	648
91	2007	20	703.5	\$17,055	\$342,900	692	715
92	2008	27	845.5	\$20,498	\$553,292	793	898
93	2009	13	718.5	\$17,419	\$231,720	898	539
94	2010	8	671.5	\$16,279	\$128,022	661	682
95	2011	16	722	\$17,504	\$274,908	672	772
96	2012	35	651.5	\$15,795	\$555,711	647	656
97	2013	17	698	\$16,922	\$281,220	686	710
98	2014	7	725.5	\$17,589	\$119,156	716	735
99	2015	33	748.5	\$18,146	\$598,710	747	750
100	2016	13	768	\$18,619	\$245,294	768	768
101	2017	12	743	\$18,013	\$217,846	741	745
102	2018	4	793	\$19,225	\$76,405	785	801
103	2019	26	826	\$20,025	\$525,464	818	834
104	2020	31	868	\$21,043	\$652,090	868	868
105	2021	15	539.5	\$13,079	\$199,776	539	540
106		3,929			\$ 20,164,554		

\$ 20,164,554 Customer Component of FERC 365 Overhead Lines / Primary
 ↓
 to WPE-3.2d, pg 15

- (a) Fully loaded installed cost of 1/0 Aluminum Conductor Steel Reinforced. Source: Engineering Standards.
- (b) Handy Whitman Index for Utility Plant Materials/Overhead Conductor - Distribution.
- (c) Asset Accounting. Includes Overhead Lines Allocated to Primary based on Circuit Miles.
- (d) Handy Whitman Index for Utility Plant Materials/Overhead Conductor - Distribution.

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022
 OVERHEAD LINES / SECONDARY - MINIMUM SIZE STUDY - DEMAND/CUSTOMER ALLOCATION

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Line No.	Overhead Lines - Secondary (1)	Source (2)	Demand Alloc (3)	Customer Alloc (4)	TOTAL (5) (3) + (4)
1	Demand / Customer %	See note (a) below	80.992%	19.008%	
2	Gross Plant	Line 1 * Line 21	\$ 39,256,773	\$ 9,212,905	\$ 48,469,678
3			↓	↓	
4			To Sch. E-3.2, P. 2	To Sch. E-3.2, P. 2	
5					
6					
7	Demand / Customer %	See note (a) below	80.992%	19.008%	
8	Depreciation Reserve	Line 7 * Line 26 ; note (b)	\$ 8,550,166	\$ 2,006,580	\$ 10,556,746
9			↓	↓	
10			To Sch. E-3.2, P. 3	To Sch. E-3.2, P. 3	
11					
12					
13	Demand / Customer %	See note (a) below	80.992%	19.008%	
14	O&M Overhead Lines	Line 13 * Line 27 ; note (c)	\$ 1,972,781	\$ 462,979	\$ 2,435,760
15			↓	↓	
16			To Sch. E-3.2, P. 9	To Sch. E-3.2, P. 9	
17					
18					
19	(a) Customer Percentage:		Source:		
20	Customer portion of FERC 365 Overhead Lines / Secondary	WPE 3.2d, p. 18		\$ 9,212,905	
21	Total Gross Plant FERC 365 Overhead Lines / Secondary	Schedule B-2.1		\$ 48,469,678	
22	Customer Allocation %			19.008%	
23					
24	Demand Allocation %		(100% - Cust %)	80.992%	
25					
26	(b) Depreciation Reserve FERC 365 Overhead Lines / Secondary	Schedule B-3		\$ 10,556,746	
27	(c) Overhead Lines - FERC 583 & 593	Schedule C-2.1		\$ 2,435,760	

DUKE ENERGY KENTUCKY, INC.
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 OVERHEAD LINES / SECONDARY - MINIMUM SIZE STUDY - DEMAND/CUSTOMER ALLOCATION

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Line No.	Year	Quantity (c) (1)	Handy-Whitman Factor (d) (2)	Cost in Year (3) (Col(2) / \$793 * \$21,473	Minimum Size Cost (4) (1) * (3)		
64	1980	31	246	\$6,661	\$206,498		
65	1981	17	257	\$6,959	\$118,305		
66	1982	15	252	\$6,824	\$102,356		
67	1983	26	266	\$7,203	\$187,273		
68	1984	16	259	\$7,013	\$112,212		
69	1985	16	249	\$6,742	\$107,879		
70	1986	21	244	\$6,607	\$138,749		
71	1987	26	229	\$6,201	\$161,224		
72	1988	17	349	\$9,450	\$160,655		
73	1989	29	366	\$9,911	\$287,408		
74	1990	21	354	\$9,586	\$201,299		
75	1991	31	363	\$9,829	\$304,711		
76	1992	25	366	\$9,911	\$247,765		
77	1993	23	322	\$8,719	\$200,541		
78	1994	41	341	\$9,234	\$378,580		
79	1995	22	386	\$10,452	\$229,948		
80	1996	13	386	\$10,452	\$135,878		
81	1997	11	387	\$10,479	\$115,272		
82	1998	16	399	\$10,804	\$172,867		
83	1999	20	345	\$9,342	\$186,839		
84	2000	11	381	\$10,317	\$113,485	January	July
85	2001	10	401.5	\$10,872	\$108,719	398	405
86	2002	7	393.5	\$10,655	\$74,587	405	382
87	2003	8	384.5	\$10,412	\$83,292	384	385
88	2004	12	419	\$11,346	\$136,149	395	443
89	2005	7	491	\$13,295	\$93,068	467	515
90	2006	20	624	\$16,897	\$337,936	600	648
91	2007	8	703.5	\$19,050	\$152,396	692	715
92	2008	11	845.5	\$22,895	\$251,841	793	898
93	2009	6	718.5	\$19,456	\$116,734	898	539
94	2010	3	671.5	\$18,183	\$54,549	661	682
95	2011	6	722	\$19,550	\$117,303	672	772
96	2012	14	651.5	\$17,641	\$246,980	647	656
97	2013	7	698	\$18,901	\$132,304	686	710
98	2014	3	725.5	\$19,645	\$58,936	716	735
99	2015	13	748.5	\$20,268	\$263,484	747	750
100	2016	5	768	\$20,796	\$103,980	768	768
101	2017	5	743	\$20,119	\$100,595	741	745
102	2018	2	793	\$21,473	\$42,946	785	801
103	2019	11	826	\$22,367	\$246,032	818	834
104	2020	13	868	\$23,504	\$305,550	868	868
105	2021	6	539.5	\$14,609	\$87,652	539	540
106		1,608			\$ 9,212,905	Customer Component of FERC 365 Overhead Lines / Secondary	

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 to WPE-3.2d, pg 17

- (a) Fully loaded installed cost of 1/0 Aluminum Conductor Steel Reinforced. Source: Engineering Standards.
- (b) Handy Whitman Index for Utility Plant Materials/Overhead Conductor - Distribution.
- (c) Asset Accounting. Includes Overhead Lines Allocated to Secondary based on Circuit Miles.
- (d) Handy Whitman Index for Utility Plant Materials/Overhead Conductor - Distribution.

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022
 UNDERGROUND LINES / PRIMARY - MINIMUM SIZE STUDY - DEMAND/CUSTOMER ALLOCATION

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 James E. Ziolkowski
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Line No.	<u>Underground Lines - Primary</u> (1)	<u>Source</u> (2)	<u>Demand Alloc</u> (3)	<u>Customer Alloc</u> (4)	<u>TOTAL</u> (5) (3) + (4)
1	Demand / Customer %	See note (a) below	81.761%	18.239%	
2	Gross Plant	Line 1 * Line 21	\$ 95,410,303	\$ 21,283,865	\$ 116,694,168
3			↓	↓	
4			To Sch. E-3.2, P. 2	To Sch. E-3.2, P. 2	
5					
6					
7	Demand / Customer %	See note (a) below	81.761%	18.239%	
8	Depreciation Reserve	Line 7 * Line 26 ; note (b)	\$ 22,089,127	\$ 4,927,581	\$ 27,016,708
9			↓	↓	
10			To Sch. E-3.2, P. 3	To Sch. E-3.2, P. 3	
11					
12					
13	Demand / Customer %	See note (a) below	81.761%	18.239%	
14	O&M Underground Lines	Line 13 * Line 27 ; note (c)	\$ 287,396	\$ 64,112	\$ 351,508
15			↓	↓	
16			To Sch. E-3.2, P. 9	To Sch. E-3.2, P. 9	
17					
18					
19	(a) Customer Percentage:		<u>Source:</u>		
20	Customer portion of FERC 367 Underground Lines / Primary	WPE 3.2d, p. 20		\$ 21,283,865	
21	Total Gross Plant FERC 367 Underground Lines / Primary	Schedule B-2.1		\$ 116,694,168	
22	Customer Allocation %			18.239%	
23					
24	Demand Allocation %		(100% - Cust %)	81.761%	
25					
26	(b) Depreciation Reserve FERC 367 Underground Lines / Primary	Schedule B-3		\$ 27,016,708	
27	(c) Underground Lines - FERC 584 & 594	Schedule C-2.1		\$ 351,508	

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
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 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022
 UNDERGROUND LINES / PRIMARY - MINIMUM SIZE STUDY - DEMAND/CUSTOMER ALLOCATION

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Line No.	Year	Quantity (c) (1)	Handy-Whitman Factor (d) (2)	Cost in Year (3) (Col(2) * \$567 * \$27,572	Minimum Size Cost (4) (1) * (3)		
64	1966	0.5	83	\$4,040	\$2,168		
65	1967	0.8	85	\$4,137	\$3,218		
66	1968	1.0	76	\$3,699	\$3,705		
67	1969	1.5	86	\$4,186	\$6,131		
68	1970	3.4	94	\$4,575	\$15,697		
69	1971	4.9	92	\$4,478	\$21,859		
70	1972	4.7	100	\$4,867	\$22,752		
71	1973	20.0	100	\$4,867	\$97,420		
72	1974	11.2	135	\$6,571	\$73,537		
73	1975	7.5	130	\$6,327	\$47,434		
74	1976	17.0	132	\$6,425	\$108,924		
75	1977	18.8	140	\$6,814	\$128,175		
76	1978	8.9	148	\$7,203	\$135,499		
77	1979	24.6	196	\$9,539	\$85,098		
78	1980	13.7	231	\$11,243	\$154,303		
79	1981	7.0	222	\$10,805	\$75,221		
80	1982	7.0	206	\$10,026	\$70,295		
81	1983	12.6	201	\$9,783	\$122,889		
82	1984	16.7	196	\$9,539	\$159,419		
83	1985	13.0	202	\$9,831	\$128,059		
84	1986	19.9	216	\$10,513	\$209,647		
85	1987	37.8	222	\$10,805	\$408,082		
86	1988	34.8	223	\$10,854	\$377,559		
87	1989	41.4	243	\$11,827	\$490,093		
88	1990	39.0	254	\$12,362	\$481,894		
89	1991	30.0	258	\$12,557	\$376,267		
90	1992	34.5	259	\$12,606	\$435,323		
91	1993	40.8	254	\$12,362	\$504,856		
92	1994	41.5	253	\$12,314	\$511,082		
93	1995	27.6	263	\$12,800	\$353,481		
94	1996	33.6	266	\$12,946	\$435,539		
95	1997	43.1	263	\$12,800	\$551,402		
96	1998	36.1	265	\$12,898	\$465,844		
97	1999	61.5	268	\$13,044	\$802,133		
98	2000	55.4	270	\$13,141	\$728,115	January	July
99	2001	48.8	263.5	\$12,825	\$625,328	277	250
100	2002	16.2	248	\$12,070	\$195,732	250	246
101	2003	21.7	239.5	\$11,657	\$252,684	239	240
102	2004	38.7	249	\$12,119	\$468,843	236	262
103	2005	39.9	301.5	\$14,674	\$584,927	295	308
104	2006	46.1	342.5	\$16,670	\$768,949	342	343
105	2007	45.8	458	\$22,291	\$1,020,288	457	459
106	2008	22.5	520	\$25,309	\$569,961	499	541
107	2009	22.1	620	\$30,176	\$666,670	631	609
108	2010	12.1	516.5	\$25,138	\$304,418	515	518
109	2011	11.5	570	\$27,742	\$320,240	563	577
110	2012	33.5	634	\$30,857	\$1,032,176	621	647
111	2013	8.2	635.5	\$30,930	\$254,618	617	654
112	2014	14.6	638	\$31,052	\$454,235	631	645
113	2015	17.5	629.5	\$30,638	\$536,709	622	637
114	2016	15.5	589	\$28,667	\$445,545	589	589
115	2017	12.8	550.5	\$26,793	\$341,771	539	562
116	2018	9.9	566.5	\$27,572	\$273,072	561	572
117	2019	23.2	605	\$29,446	\$683,662	605	605
118	2020	45.4	636	\$30,955	\$1,406,471	622	650
119	2021	40.9	726.5	\$35,359	\$1,447,034	702	751
120		1,330			\$ 21,283,865	Customer Component of FERC 367 Overhead Lines / Primary	

to WPE-3.2d, pg 19

- (a) Fully loaded installed cost of 1/0 Aluminum Conductor Steel Reinforced. Source: Engineering Standards.
- (b) Handy Whitman Index for Utility Plant Materials/Underground Conductor - Distribution. \$630 is Handy Whitman at Cost Year 2022.
- (c) Asset Accounting. Includes Underground Lines Allocated to Primary based on Circuit Miles.
- (d) Handy Whitman Index for Utility Plant Materials/Underground Conductor - Distribution.

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022
 UNDERGROUND LINES / SECONDARY - MINIMUM SIZE STUDY - DEMAND/CUSTOMER ALLOCATION

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Line No.	<u>Underground Lines - Secondary</u> (1)	<u>Source</u> (2)	<u>Demand Alloc</u> (3)	<u>Customer Alloc</u> (4)	<u>TOTAL</u> (5) (3) + (4)
1	Demand / Customer %	See note (a) below	83.691%	16.309%	
2	Gross Plant	Line 1 * Line 21	\$ 20,003,276	\$ 3,897,939	\$ 23,901,215
3			↓	↓	
4			To Sch. E-3.2, P. 2	To Sch. E-3.2, P. 2	
5					
6					
7	Demand / Customer %	See note (a) below	83.691%	16.309%	
8	Depreciation Reserve	Line 7 * Line 26 ; note (b)	\$ 4,631,103	\$ 902,440	\$ 5,533,543
9			↓	↓	
10			To Sch. E-3.2, P. 3	To Sch. E-3.2, P. 3	
11					
12					
13	Demand / Customer %	See note (a) below	83.691%	16.309%	
14	O&M Underground Lines	Line 13 * Line 27 ; note (c)	\$ 60,255	\$ 11,741	\$ 71,996
15			↓	↓	
16			To Sch. E-3.2, P. 9	To Sch. E-3.2, P. 9	
17					
18					
19	(a) Customer Percentage:		<u>Source:</u>		
20	Customer portion of FERC 367 Underground Lines / Secondary		WPE 3.2d, p. 22	\$ 3,897,939	
21	Total Gross Plant FERC 367 Underground Lines / Secondary		Schedule B-2.1	\$ 23,901,215	
22	Customer Allocation %			16.309%	
23					
24	Demand Allocation %		(100% - Cust %)	83.691%	
25					
26	(b) Depreciation Reserve FERC 367 Underground Lines / Secondary		Schedule B-3	\$ 5,533,543	
27	(c) Underground Lines - FERC 584 & 594		Schedule C-2.1	\$ 71,996	

DUKE ENERGY KENTUCKY, INC.
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 UNDERGROUND LINES / SECONDARY - MINIMUM SIZE STUDY - DEMAND/CUSTOMER ALLOCATION

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Line	Year	Quantity (c) (1)	Handy-Whitman Factor (d) (2)	Cost in Year (3) (Col(2) / \$567 * \$24,870	Minimum Size Cost (4) (1) * (3)		
64	1966	0	83	\$3,644	\$0		
65	1967	0	85	\$3,732	\$0		
66	1968	0	76	\$3,336	\$0		
67	1969	0	86	\$3,775	\$0		
68	1970	1	94	\$4,127	\$4,127		
69	1971	1	92	\$4,039	\$4,039		
70	1972	1	100	\$4,390	\$4,390		
71	1973	4	100	\$4,390	\$17,560		
72	1974	2	135	\$5,927	\$11,853		
73	1975	1	130	\$5,707	\$5,707		
74	1976	3	132	\$5,795	\$17,385		
75	1977	4	140	\$6,146	\$24,585		
76	1978	2	148	\$6,497	\$25,989		
77	1979	5	196	\$8,605	\$17,209		
78	1980	3	231	\$10,141	\$30,423		
79	1981	2	222	\$9,746	\$19,492		
80	1982	1	206	\$9,044	\$9,044		
81	1983	2	201	\$8,824	\$17,648		
82	1984	4	196	\$8,605	\$34,418		
83	1985	3	202	\$8,868	\$26,604		
84	1986	4	216	\$9,483	\$37,931		
85	1987	8	222	\$9,746	\$77,968		
86	1988	7	223	\$9,790	\$68,530		
87	1989	8	243	\$10,668	\$85,344		
88	1990	8	254	\$11,151	\$89,207		
89	1991	6	258	\$11,326	\$67,959		
90	1992	7	259	\$11,370	\$79,593		
91	1993	8	254	\$11,151	\$89,207		
92	1994	8	253	\$11,107	\$88,856		
93	1995	6	263	\$11,546	\$69,276		
94	1996	7	266	\$11,678	\$81,744		
95	1997	9	263	\$11,546	\$103,914		
96	1998	8	265	\$11,634	\$93,070		
97	1999	12	268	\$11,766	\$141,186		
98	2000	11	270	\$11,853	\$130,386	January	July
99	2001	10	263.5	\$11,568	\$115,680	277	250
100	2002	3	248	\$10,887	\$32,662	250	246
101	2003	5	239.5	\$10,514	\$52,572	239	240
102	2004	8	249	\$10,931	\$87,451	236	262
103	2005	8	301.5	\$13,236	\$105,890	295	308
104	2006	10	342.5	\$15,036	\$150,361	342	343
105	2007	9	458	\$20,107	\$180,961	457	459
106	2008	5	520	\$22,829	\$114,143	499	541
107	2009	4	620	\$27,219	\$108,875	631	609
108	2010	3	516.5	\$22,675	\$68,025	515	518
109	2011	2	570	\$25,024	\$50,047	563	577
110	2012	7	634	\$27,833	\$194,833	621	647
111	2013	2	635.5	\$27,899	\$55,798	617	654
112	2014	3	638	\$28,009	\$84,027	631	645
113	2015	3	629.5	\$27,636	\$82,907	622	637
114	2016	3	589	\$25,858	\$77,573	589	589
115	2017	3	550.5	\$24,168	\$72,503	539	562
116	2018	2	566.5	\$24,870	\$49,740	561	572
117	2019	5	605	\$26,560	\$132,801	605	605
118	2020	9	636	\$27,921	\$251,290	622	650
119	2021	8	726.5	\$31,894	\$255,153	702	751
120		268		\$ 3,897,939	Customer Component of FERC 365 Overhead Lines / Secondary		

to WPE-3.2d, pg 21

- (a) Fully loaded installed cost of 2/0 Aluminum. Source: Engineering Standards.
- (b) Handy Whitman Index for Utility Plant Materials/Underground Conductor - Distribution. \$630 is Handy Whitman at Cost Year 2022.
- (c) Asset Accounting. Includes Underground Lines Allocated to Secondary based on Circuit Miles.
- (d) Handy Whitman Index for Utility Plant Materials/Underground Conductor - Distribution.

Summary of Minimum Size Studies

<u>Account</u>	<u>Class of Property</u>	<u>WPE-3.2d Reference</u>	<u>Minimum Size</u>	<u>Cost Per</u>	<u>Loaded Cost</u>	<u>Quantity</u>	<u>Loaded Cost</u>	<u>Customer</u>	<u>Demand</u>	<u>Zero Intercept Cost</u>
<u>Poles, Towers & Fixtures</u>										
364	Primary	pages 55-57	40 ft, Class 4, Wood	Pole	\$ 1,288	29,114	\$ 62,499,791	27.70%	72.30%	\$ 186
364	Secondary	pages 58-60	35 ft, Class 5, Wood	Pole	\$ 820	11,890	\$ 20,833,264	21.61%	78.39%	\$ 186
						41,004	\$ 83,333,055			
<u>Overhead Conductors</u>										
365	Primary	pages 61-63	1/0 ACSR Primary OH Conductor	Mile of Conductor	\$ 19,225	3,929	\$ 118,667,143	16.99%	83.01%	
365	Secondary	pages 64-66	#2 ALTX Secondary OH Conductor	Mile of Conductor	\$ 21,473	1,608	\$ 48,469,678	19.01%	80.99%	
						5,537	\$ 167,136,821			
<u>Underground Conductors</u>										
367	Primary	pages 67-69	1/0 ALTRXPE 15KV Primary UG cable	Mile of Conductor	\$ 27,572	1,330	\$ 116,694,168	18.24%	81.76%	
367	Secondary	pages 70-72	4/0 ALTX Secondary UG cable	Mile of Conductor	\$ 24,870	268	\$ 23,901,215	16.31%	83.69%	
						1,598	\$ 140,595,383			
368	<u>Line Transformer</u>	pages 52-54	15 kVa	Transformer	\$ 2,231	36,082	\$ 83,218,780	22.69%	77.31%	\$ 1,604

Case No. 2019-00271

<u>Account</u>	<u>Class of Property</u>	<u>WPE-3.2d Reference</u>	<u>Minimum Size</u>	<u>Cost Per</u>	<u>Loaded Cost</u>	<u>Quantity</u>	<u>Loaded Cost</u>	<u>Customer</u>	<u>Demand</u>
<u>Poles, Towers & Fixtures</u>									
364	Primary	pages 55-57	40 ft, Class 4, Wood	Pole	\$ 905	34,227	\$ 48,116,636	31.40%	68.60%
364	Secondary	pages 58-60	35 ft, Class 5, Wood	Pole	\$ 582	12,028	\$ 16,038,879	21.29%	78.71%
						46,255	\$ 64,155,515		
<u>Overhead Conductors</u>									
365	Primary	pages 61-63	1/0 ACSR Primary OH Conductor	Mile of Conductor	\$ 12,267	4,442	\$ 91,649,603	17.92%	82.08%
365	Secondary	pages 64-66	#2 ALTX Secondary OH Conductor	Mile of Conductor	\$ 14,429	1,561	\$ 37,434,345	18.18%	81.82%
						6,003	\$ 129,083,948		
<u>Underground Conductors</u>									
367	Primary	pages 67-69	1/0 ALTRXPE 15KV Primary UG cable	Mile of Conductor	\$ 24,564	1,273	\$ 73,575,373	23.70%	76.30%
367	Secondary	pages 70-72	4/0 ALTX Secondary UG cable	Mile of Conductor	\$ 21,740	447	\$ 15,069,655	36.18%	63.82%
						1,720	\$ 88,645,028		
368	<u>Line Transformer</u>	pages 52-54	25 kVa	Transformer	\$ 1,633	38,668	\$ 62,427,115	24.53%	75.47%

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 ALLOCATION FACTORS FOR COST OF SERVICE STUDY
 TWELVE MONTHS ENDING MARCH 31, 2022
 GENERAL & COMMON PLANT, ACCUMULATED DEPRECIATION, A & G EXPENSES

Work Paper FR-16(7)(v)
 Witness Responsible:
 James E. Ziolkowski
 Page 73

Functionalized based on Functional Payroll Costs for the Twelve Months ended December 2021

Function	Labor Dollars (a)	Functional Labor Ratio	Original Cost General Plant (b)	Accumulated Depreciation General Plant (b)	Original Cost Common Plant (b)	Accumulated Depreciation Common Plant (b)	Functional A & G Expenses Less Reg Commission Exp. (c)
Prod Plant (Operation)	8,128,517	43.540%	28,970,759	10,690,624	14,509,826	8,238,413	16,029,046
Prod Plant Energy Related (Maintenance)	4,769,824	25.550%	17,000,078	6,273,272	8,514,385	4,834,311	9,405,864
Trans Plant	765,355	4.100%	2,727,793	1,006,595	1,366,199	775,702	1,509,243
Dist Plant	2,991,586	16.024%	10,662,279	3,934,534	5,340,137	3,032,032	5,899,264
Customer Acctg	1,936,951	10.375%	6,903,466	2,547,478	3,457,559	1,963,138	3,819,575
Cust Service & Info	76,658	0.411%	273,216	100,821	136,839	77,694	151,166
Sales	-	0.000%	-	-	-	-	-
Total O&M excl A&G	18,668,891	100.000%	66,537,591	24,553,324	33,324,945	18,921,290	36,814,158
A&G	8,670,365						
Total O&M	27,339,256						

(a) Source: FERC Form 1 - P. 354-355.

(b) Source: Schedule B-3.2

(c) Source: Schedule C-2.1

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 TWELVE MONTHS ENDING JUNE 30, 2024
 COMPUTATION OF PRESENT RETURN EARNED (PRESENT NOI)

Work Paper FR-16(7)(v)
 Witness Responsible:
 James E. Ziolkowski
 Page 2

DATA: 12 MONTHS ACTUAL & 0 MONTHS ESTIMATED

Line No.	SUMMARY OF RESULTS	SCHEDULE REFERENCE	TOTAL	RS RESIDENTIAL	DS SECONDARY DISTRIBUTION	GSFL SECONDARY DISTRIBUTION	EH SECONDARY DISTRIBUTION	SP SECONDARY DISTRIBUTION	DT SEC SECONDARY DISTRIBUTION	DT PRI PRIMARY DISTRIBUTION	DP PRIMARY DISTRIBUTION	TT TRANSMISSION TIME OF DAY	LT LIGHTING	OTHER WATER PUMPING	TOTAL AT ISSUE	ALL OTHER
Schedule 1																
1	NET INCOME COMPUTATION															
2	GROSS GAS PLANT IN SERVICE	FR-16(7)(v)-14, P. 2	2,179,630,202	1,058,464,375	574,597,326	2,852,983	10,460,062	98,890	256,501,398	197,441,030	5,255,103	51,694,961	22,216,160	47,914	2,179,630,202	0
3	TOTAL DEPRECIATION RESERVE	FR-16(7)(v)-14, P. 3	(845,046,811)	(405,012,291)	(222,091,061)	(1,100,325)	(3,913,610)	(37,632)	(99,651,603)	(76,527,040)	(2,033,678)	(24,029,926)	(10,630,755)	(16,290)	(845,046,811)	0
4	TOTAL RATE BASE ADJUSTMENTS	FR-16(7)(v)-14, P. 7	(218,074,377)	(108,332,031)	(57,678,515)	(278,875)	(1,104,582)	(9,778)	(25,134,538)	(19,166,293)	(613,969)	(3,858,737)	(2,021,985)	(5,044)	(218,074,377)	0
5	TOTAL RATE BASE		1,116,509,014	545,120,053	294,827,750	1,473,183	5,441,870	51,480	131,715,257	101,757,697	2,707,426	23,826,298	9,563,420	24,580	1,116,509,014	0
6																
7	OPERATING EXPENSES															
8	TOTAL O&M EXPENSE	FR-16(7)(v)-14, P. 9	243,442,652	109,849,964	62,683,914	347,370	983,123	10,355	32,178,487	26,204,318	666,838	9,144,341	1,370,514	3,428	243,442,652	0
9	TOTAL DEPRECIATION EXPENSE	FR-16(7)(v)-14, P. 10	64,622,268	31,051,961	17,194,401	85,379	310,323	2,934	7,719,682	5,950,034	158,132	1,627,994	519,997	1,431	64,622,268	0
10	TOTAL OTHER TAX & MISC EXPENSE	FR-16(7)(v)-14, P. 11	18,771,373	8,925,883	5,096,265	25,253	94,827	871	2,269,960	1,747,924	46,520	397,004	166,261	605	18,771,373	0
11	TOTAL OP EXP EXCL INC & REV TAX		326,836,293	149,827,808	84,974,580	458,002	1,388,273	14,160	42,168,129	33,902,276	871,490	11,169,339	2,056,772	5,464	326,836,293	0
12	NET FED INCOME TAX EXP ALLOWABLE	FR-16(7)(v)-14, P. 12	9,110,427	2,961,696	3,033,729	15,683	53,621	445	1,466,768	1,158,694	29,844	306,509	83,188	187	9,110,364	63
13	NET STATE INCOME TAX ALLOWABLE	FR-16(7)(v)-14, P. 13	3,185,478	1,931,224	638,858	3,378	11,338	133	288,534	228,386	6,102	56,278	21,186	57	3,185,474	4
14	AFUDC OFFSET	FR-16(7)(v)-14, P. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	REVENUE TAX	FR-16(7)(v)-14, P. 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	TOTAL OPERATING EXPENSE		339,132,198	154,720,728	88,647,167	477,063	1,453,232	14,738	43,923,431	35,289,356	907,436	11,532,126	2,161,146	5,708	339,132,131	67
17																
18	RETURN ON RATE BASE	FR-16(7)(v)-14, P. 7	80,299,330	39,166,667	21,221,040	105,927	391,733	3,689	9,485,566	7,328,571	194,861	1,713,557	685,935	1,783	80,299,329	0
19	TOTAL OTHER OPERATING REVENUES	FR-16(7)(v)-14, P. 14	(1,915,235)	(974,290)	(424,716)	(2,264)	(8,696)	(97)	(175,937)	(136,799)	(3,711)	(80)	(188,599)	(46)	(1,915,235)	0
20	TOTAL ELECTRIC COST OF SERVICE		417,516,293	192,913,105	109,443,491	580,726	1,836,269	18,330	53,233,060	42,481,128	1,098,586	13,245,603	2,658,482	7,445	417,516,225	67
21	ADJUSTMENT FOR INTERCLASS SUBSIDIZATION	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	REQUESTED REVENUES	Line 21 + Line 22	417,516,293	192,913,105	109,443,491	580,726	1,836,269	18,330	53,233,060	42,481,128	1,098,586	13,245,603	2,658,482	7,445	417,516,225	67
23	PROPOSED REVENUES - ELIM 5.00% OF SUBSIDY	Set Equal to Present Rev	369,787,593	150,196,282	109,813,740	728,280	1,504,882	24,418	50,255,488	39,207,157	1,181,424	14,072,356	1,877,507	926,059	369,787,593	0
24	EXCESS REVENUES	Line 22 - Line 23	47,728,700	42,716,823	(370,249)	(147,554)	331,387	(6,088)	2,977,572	3,273,971	(82,838)	(826,753)	780,975	(918,614)	47,728,632	67
25																
26	TOTAL RETURN EARNED (To WP FR-16(7)(v), Page 1)	Line 16 + Line 41	44,467,080	7,097,077	21,499,004	216,703	142,945	8,260	7,250,157	4,870,641	257,052	2,334,241	99,619	691,431	44,467,130	(51)
27	RATE OF RETURN EARNED		0.03983	0.01303	0.07286	0.14713	0.02624	0.16102	0.05497	0.04780	0.09487	0.09797	0.01045	27.90729	0.03983	0.00000
28	TOTAL RATE OF RETURN ALLOWABLE		0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192	0.07192
29	RETURN EARNED ON COMMON EQUITY		0.03592	(0.01548)	0.09926	0.24169	0.00986	0.26833	0.06495	0.05120	0.14147	(0.02042)	53.47771	0.03592	(0.04046)	
30	ALLOWED RETURN ON COMMON EQUITY		0.09750	0.09750	0.09750	0.09750	0.09750	0.09750	0.09750	0.09750	0.09750	0.09750	0.09750	0.09750	0.09750	
31																
32	PRESENT REVENUES															
33	PRESENT REVENUES		369,787,593	150,196,282	109,813,740	728,280	1,504,882	24,418	50,255,488	39,207,157	1,181,424	14,072,356	1,877,507	926,059	369,787,593	0
34	REVENUE INCREASE JUSTIFIED		47,728,700	42,716,823	(370,249)	(147,554)	331,387	(6,088)	2,977,572	3,273,971	(82,838)	(826,753)	780,975	(918,614)	47,728,632	67
35	REVENUE INCREASE REQUESTED		0	0	0	0	0	0	0	0	0	0	0	0	0	0
36																
37	PROPOSED REVENUES = CURRENT REVENUES															
38	PROPOSED REVENUES		369,787,593	150,196,282	109,813,740	728,280	1,504,882	24,418	50,255,488	39,207,157	1,181,424	14,072,356	1,877,507	926,059	369,787,593	0
39	TOTAL ELECTRIC COST OF SERVICE		(417,516,293)	(192,913,105)	(109,443,491)	(580,726)	(1,836,269)	(18,330)	(53,233,060)	(42,481,128)	(1,098,586)	(13,245,603)	(2,658,482)	(7,445)	(417,516,225)	(68)
40	EXCESS REVENUES		(47,728,700)	(42,716,823)	370,249	147,554	(331,387)	6,088	(2,977,572)	(3,273,971)	82,838	826,753	(780,975)	918,614	(47,728,632)	(68)
41	COMPOSITE TAX RATE		0	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925	0.24925
42	EXCESS TAX		(11,896,433)	(10,847,233)	92,285	36,778	(82,599)	1,517	(742,163)	(816,041)	20,647	206,069	(194,659)	228,966	(11,896,433)	(17)
43	EXCESS RETURN		(35,832,250)	(32,069,590)	277,964	110,776	(248,788)	4,571	(2,235,409)	(2,457,930)	62,191	620,684	(586,316)	689,648	(35,832,199)	(51)

DUKE ENERGY KENTUCKY, INC.
 ELECTRIC COST OF SERVICE STUDY
 CASE NO: 2022-00372
 CALCULATION PROPOSED REVENUE DISTRIBUTION
 REFLECTING A PROPOSED REVENUE SUBSIDY/EXCESS ELIMINATION COMPONENT

Work Paper FR-16(7)(v)
 Witness Responsible:
 James E. Ziolkowski
 Page 1

Line No.	Rate Class	Jurisdictional Electric Rate Base (A)	Present Revenues (B)	Net Operating Income (C)	Present ROR (D)	Present Revenues At Average ROR (E)	Inter Class Subsidization Overcollected (Undercollected) (F)	Inter Class Subsidization times 5.00% (G)	Rate Increase (Allocated to class based on Rate Base) (H)	Proposed Revenues 95.00% Interclass Subsidization (I)	Proposed Percent Increase (J)	ROR At Proposed Rates (K)	Proposed Increase Less (Subsidy) Excess (L)
		FR-16(7)(v)-14, page1	FR-16(7)(v)-14, page1	Work Paper FR-16(7)(v), Page 2	(C) / (A)	(B) + (((D) Line 5 * (C)) / (1- CompositeTaxRate))	(B) - (E)	(F) * 5.00%	(H) Line 5 * ((A) / (A) Line 5)	(B) - (G) + (H)	((H) - (G)) / (B)	(((H) - (G)) * (1- CompositeTaxRate) + (C)) / (A)	(H) - (G)
1	Rate RS	\$ 544,586,643	\$ 150,196,282	\$ 7,097,077	1.3032%	\$ 169,633,061	\$ (19,436,779)	\$ (971,840)	\$ 23,281,403	\$ 174,449,525	16.148%	4.646675%	\$ 24,253,243
2	Rate DS	295,064,500	109,813,740	21,499,004	7.2862%	96,830,051	12,983,689	649,184	12,614,185	121,778,741	10.896%	10.330526%	11,965,001
3	Rate GS-FL	1,472,837	728,280	216,703	14.7133%	517,764	210,516	10,526	62,958	780,712	7.199%	17.385910%	52,432
4	Rate EH	5,446,779	1,504,882	142,945	2.6244%	1,603,428	(98,546)	(4,927)	232,834	1,742,643	15.799%	5.901540%	237,761
5	Rate SP	51,299	24,418	8,260	16.1017%	16,137	8,281	414	2,196	26,200	7.297%	18.709078%	1,782
6	Rate DT - Secondary	131,890,498	50,255,488	7,250,157	5.4971%	47,594,994	2,660,494	133,025	5,638,422	55,760,885	10.955%	8.630893%	5,505,397
7	Rate DT-Primary	101,898,917	39,207,157	4,870,641	4.7799%	38,125,144	1,082,013	54,101	4,356,260	43,509,316	10.973%	7.949527%	4,302,159
8	Rate DP	2,709,423	1,181,424	257,052	9.4873%	982,764	198,660	9,933	115,844	1,287,335	8.965%	12.422009%	105,911
9	Rate TT	23,825,875	14,072,356	2,334,241	9.7971%	12,227,092	1,845,264	92,263	1,018,589	14,998,682	6.583%	12.715921%	926,326
10	Lighting	9,537,467	1,877,507	99,619	1.0445%	2,250,773	(373,266)	(18,663)	407,722	2,303,892	22.710%	4.400824%	426,385
11	Other - Water Pumping	24,776	926,059	691,431	2790.7289%	6,385	919,674	45,984	1,050	881,125	-4.852%	2654.572653%	(44,934)
12													
13	Total	\$ 1,116,509,014	\$ 369,787,593	\$ 44,467,130	3.9827%	\$ 369,787,593	\$ -	\$ -	\$ 47,731,464	\$ 417,519,057	12.908%	7.192192%	\$ 47,731,464
14													
15	Tax Complement	75.0749%							Increase less change \$	47,731,464			
16									in Misc Revenues				
17	Note: (E) Present Revenues at Average ROR is calculated by subtracting Present Revenue, grossed up for taxes, from Present Distribution Revenues and then adding Current Operating Income at the average rate of return, grossed-up for taxes.												
18													
19													
20	<u>MISCELLANEOUS REVENUES:</u>												
21	PJM AND TRANSMISSION		169,500							169,500			
22	BAD CHECK CHARGES		43,500							43,500			
23	RECONNECTION CHARGES		47,135							44,369			
24	POLE AND LINE ATTACHMENTS		217,344							217,344			
25	RENTS		1,299,996							1,299,996			
26	OTHER MISCELLANEOUS		137,760							137,760			
27	RESERVED		0							0			
28	TOTAL MISC		1,915,235							1,912,469			
29													
30	Total Company		371,702,828						Total Revenue Req	419,431,526	12.8406%		
									Schedule A Rev Req	419,431,526			
									Total Increase	47,728,698			
									Schedule A Increase	47,728,698			

Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024

KYSEIA-DR-02-012

REQUEST:

Please refer to Sailers Direct at 15, which states “The Company proposes to collect the avoided cost excess generation credits (i.e., purchased power) applied to customer bills through the Company’s fuel adjustment clause, Rider FAC.”

- a. If the credits for excess generation are equal to the avoided cost of generation, is it not the case that the Company will reduce its expenses by an amount equal to the avoided cost credit?
- b. If so, why is the Company proposing to recover these costs from Rider FAC?
- c. If not, please explain why not.
- d. If not, please explain whether the Company will perform any reconciliation between the actual avoided cost of energy purchased from NEM customers and avoided market purchases or other reductions in O&M costs..

RESPONSE:

- a. The avoided costs are based on a forward looking analysis and are costs that are assumed to be avoided in the future which the Company will credit to the customer-generator using the ACEGC for each kWh of excess generation. While these future costs may be avoided from their traditional cost source(s), they are now realized through bill credits to the customer-generators. Recovery of costs to purchase generation occurs in the Company’s Rider FAC.
- b. See response to “a” above.

- c. See response to “a” above.
- d. No. The Company is not proposing such a reconciliation. The Company proposes to recover the actual costs (i.e., the bill credits to customer-generators for excess generation).

PERSON RESPONSIBLE: Bruce L. Sailors

Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024

KYSEIA-DR-02-013

REQUEST:

Please refer to Attachment BLS-2. It appears that that Company is limiting the demand reduction from solar during the 12CP hours to the customers' pre-solar load instead of accounting for any export that may be happening. For example, on 6/29/2021 16:00, the pre-solar usage is 2.5416 kW and the solar generation is 3.9175 kW, resulting in a flow from the customer to the grid of -1.3759 kW. However, the post-solar demand during this hour is listed as 0 kW instead of - 1.3759 kW.

- a. Why is the Company artificially limiting the post-solar demand to 0 kW instead of including exported power in the calculation?
- b. For an individual customer that is exporting 1.3759 kW during a 12CP hour, confirm that the power will flow to the nearest load, such as the solar customer's neighbor. If the Company is unable to confirm this statement, please explain why not.
- c. For an individual customer that is exporting 1.3759 kW during a 12CP hour, confirm that the power will flow to the nearest load, such as the solar customer's neighbor, and will reduce that customer's load by 1.3759 (assuming their load was at least this level). If the Company is unable to confirm this statement, please explain why not.

- d. Confirm that solar exports from residential solar customers during 12CP hours in aggregate reduce the total load of the residential class during 12CP hours. If the Company is unable to confirm this statement, please explain why not.

RESPONSE:

- a. Objection. This interrogatory assumes facts not in evidence and is argumentative. The Company is not “artificially limiting” anything. Without waiving said objection, to the extent discoverable, and in the spirit of discovery, the Company compensates exported power in the analysis at the ACEGC proposed rate for the customer’s bill and compensates exported power in the analysis at the COS avoided energy rate for the COS result.
- b. Power generally takes the “path of least resistance”. More specifically, the lower the impedance of the path (assuming voltage remains constant), the greater the current flow in that path. The power flow from an exporter is expected to follow this principle. And generally the nearest load is the path of lowest impedance. However, the Company cannot confirm the nearest load is always the path of lowest impedance.
- c. Not confirmed. See response to item b above.
- d. Solar exports available during 12CP hours provide energy to the distribution grid.

PERSON RESPONSIBLE: Bruce L. Sailors (a, d); Dominic Melillo (b, c)

Duke Energy Kentucky
Case No. 2023-00413
KYSEIA’s Second Set Data Requests
Date Received: February 21, 2024

KYSEIA-DR-02-014

REQUEST:

Please see Sailers Direct at 23 and Exhibit 2 at 1. Please explain why the Company proposes to prevent any NM I or NM II customer from participating through a third-party aggregator for the purposes of FERC Order 2222 compliance, but would allow the same customer to participate through the Company as an aggregator for FERC Order 2222 compliance while remaining on the NM I or NM II tariff.

RESPONSE:

Objection. This interrogatory is argumentative and assumes facts not in evidence. The Company does not propose to “prevent” any customer from choosing among available options; however some options may be mutually exclusive. Furthermore, the Company is not currently registered as an aggregator (i.e., DERA) and therefore the request is improper speculation about what the Company “would allow.” Without waiving these objections, to the extent discoverable, and in the spirit of discovery, in the proposed NM I and NM II tariffs, the Company proposes to credit customers for excess generation. Given the Company’s treatment of the excess generation through bill credits, the Company reserves the right to use the excess generation resource through a DERA registration with PJM. The Company may submit such a registration if additional net benefit for the system, while avoiding double counting, is available.

PERSON RESPONSIBLE:	As to response:	Bruce L. Sailers
	As to objections:	Legal

**Duke Energy Kentucky
Case No. 2023-00413
KYSEIA's Second Set Data Requests
Date Received: February 21, 2024**

KYSEIA-DR-02-015

REQUEST:

Please produce a redline showing the differences between the current interconnection process removed from Exhibit 2 and added to Exhibit 4.

RESPONSE:

See KYSEIA-DR-02-015 Attachment. Red underlined text indicates insertions; red struck-out text indicates deletions.

PERSON RESPONSIBLE: Bruce L. Sailors

Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, KY 41018

KY.P.S.C. Electric No. 2
Original Sheet No. 83
Page 1 of 7

INTERCONNECTION

(N)

AVAILABILITY

All customers seeking to interconnect with the Company's system must apply and complete the interconnection process described below.

METERING

Any additional meter, meters, or distribution upgrades needed to monitor the flow of electricity in each direction shall be installed at the Customer's expense.

APPLICATION AND APPROVAL PROCESS

The Customer shall submit an Application for Interconnection ~~and Net Metering~~ ("Application") and receive approval from the Company prior to connecting the generator facility to the Company's system.

Applications will be submitted by the Customer and reviewed and processed by the Company according to either Level 1 or Level 2 processes defined below.

The Company may reject an Application for violations of any code, standard, or regulation related to reliability or safety; however, the Company will work with the Customer to resolve those issues to the extent practicable.

Customers may contact the Company to check on status of an Application or with questions prior to submitting an Application. Company contact information can be found on the Application form.

Application forms along with instructions on how to submit an application are available on the Company's website.

LEVEL 1

A Level 1 Application shall be used if the generating facility is inverter based and is certified by a nationally recognized testing laboratory to meet the requirements of Underwriters Laboratories Standard 1741 "Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources" (UL 1741).

The Company will approve the Level 1 Application if the generating facility also meets all of the following conditions:

- (1) For interconnection to a radial distribution circuit, the aggregated generation on the circuit, including the proposed generating facility, will not exceed 15% of the Line Section's most recent annual one hour peak load. A line section is the smallest part of the primary distribution system the generating facility could remain connected to after operation of any sectionalizing devices.

Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, KY 41018

KY.P.S.C. Electric No. 2
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LEVEL 1 (Cont.)

- (2) If the proposed generating facility is to be interconnected on a single-phase shared secondary, the aggregate generation capacity on the shared secondary, including the proposed generating facility, will not exceed the smaller of 20 kVA or the nameplate rating of the transformer.
- (3) If the proposed generating facility is single-phase and is to be interconnected on a center tap neutral of a 240 volt service, its addition shall not create an imbalance between the two sides of the 240 volt service of more than 20% of the nameplate rating of the service transformer.
- (4) If the generating facility is to be connected to three-phase, three wire primary utility distribution lines, the generator shall appear as a phase-to-phase connection at the primary utility distribution line.
- (5) If the generating facility is to be connected to three-phase, four wire primary utility distribution lines, the generator shall appear to the primary utility distribution line as an effectively grounded source.

The interconnection will not be on an area or spot network¹.

- (6) The Company does not identify any violations of any applicable provisions of IEEE 1547, "Standard for Interconnecting Distributed Resources with Electric Power Systems".
- (7) No construction of facilities by the Company on its own system will be required to accommodate the generating facility.

If the generating facility does not meet all of the above listed criteria, the Company, in its sole discretion, may either: 1.) approve the generating facility under the Level 1 Application if the Company determines that the generating facility can be safely and reliably connected to the Company's system; or 2) deny the application as submitted under the Level 1 Application.

The Company shall notify the customer within 20 business days whether the application is approved or denied, based on the criteria provided in this section.

¹Area and spot networks are systems where multiple transformers are interconnected on the secondary side and multiple primary voltage circuits are used to feed the transformers. A spot network is typically used to serve a single building and the transformers are all in one location. An area network typically serves multiple customers with secondary conductors covering multiple city blocks and with transformers at various locations.

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If the application lacks complete information, the Company shall notify the Customer that additional information is required, including a list of such additional information. The time between notification and receipt of required additional information will add to the time to process the application.

The Customer shall be notified whether the application is approved in writing. The approval will be conditioned upon successful completion of an initial installation inspection and witness test if required by the Company.

The Company's written approval will indicate if an inspection and witness test are required. If an inspection and witness test are required, the Customer shall notify the Company within 3 business days of completion of the generating facility installation and schedule an inspection and witness test with the Company to occur within 10 business days of completion of the generator facility installation or as otherwise agreed to by the Company and the Customer. If an inspection and witness test is required, the Customer may not operate the generating facility (except for operational testing not to exceed two hours) until successful completion of such inspection and witness test. If the installation fails the inspection or witness test due to non-compliance with any provision in the Application and Company approval, the Customer shall not operate the generating facility until any and all non-compliance is corrected and re-inspected by the Company.

If the Application is denied, the Company will supply the Customer with reasons for denial. The Customer may resubmit under Level 2 if appropriate.

LEVEL 2

A Level 2 Application is required under any of the following:

- (1) The generating facility is not inverter based;
- (2) The generating facility uses equipment that is not certified by a nationally recognized testing laboratory to meet the requirements of UL 1741; or
- (3) The generating facility does not meet one or more of the additional conditions under Level 1.

The Company will approve the Level 2 application if the generating facility meets the Company's technical interconnection requirements, which are based on IEEE 1547. The Company's technical interconnection requirements are available on the Company's website or upon request.

The Company will process the Level 2 Application within 30 business days of receipt of a complete application. Within that time the Company will respond in one of the following ways:

1. The application is approved and the Company will provide the Customer with an Interconnection Agreement to sign.

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2. If construction or other changes to the Company's distribution system are required, the cost will be the responsibility of the Customer. The Company will give notice to the Customer and offer to meet to discuss estimated costs and construction timeframe. Should Customer agree to pay for costs and proceed, Company will provide the Customer with an Interconnection Agreement to sign within a reasonable time.
3. The application is denied. The Company will supply the Customer with reasons for denial and offer to meet to discuss possible changes that would result in Company approval. Customer may resubmit application with changes.

If application lacks complete information, Company shall notify Customer that additional information is required, including a list of such additional information. The time between notification and receipt of required additional information will add to the 30 business day target to process the application.

The Interconnection Agreement will contain all the terms and conditions for interconnection consistent with those specified in this tariff, inspection and witness test requirements, description of and cost of construction or other changes to the Company's distribution system required to accommodate the generating facility, and detailed documentation of the generating facilities which may include single line diagrams, relay settings, and description of operation.

Customer may not operate the generating facility until an Interconnection Agreement is signed by the Customer and Company and all necessary conditions stipulated in the agreement are met.

APPLICATION, INSPECTION AND PROCESSING FEES

No application fees or other review, study, or inspection fees are charged by the Company for Level 1 or Level 2 applications.

TERMS AND CONDITIONS FOR INTERCONNECTION

To interconnect to the Company's distribution system, the Customer's generating facility shall comply with the following terms and conditions:

1. The Company shall provide Customer net metering services, as applicable, without charge for standard metering equipment, through a standard kilowatt-hour metering system capable of measuring the flow of electricity in two (2) directions. If the Customer requests any additional meter or meters or distribution upgrades are needed to monitor the flow in each direction, such installations shall be at the Customer's expense.

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TERMS AND CONDITIONS FOR INTERCONNECTION (Cont.)

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2. Customer shall install, operate, and maintain, at Customer's sole cost and expense, any control, protective, or other equipment on the Customer's system required by the Company's technical interconnection requirements based on IEEE 1547, the NEC, accredited testing laboratories such as Underwriters Laboratories, and the manufacturer's suggested practices for safe, efficient and reliable operation of the generating facility in parallel with Company's electric system. Customer shall bear full responsibility for the installation, maintenance and safe operation of the generating facility. Upon reasonable request from the Company, Customer shall demonstrate generating facility compliance.
3. The generating facility shall comply with, and Customer shall represent and warrant its compliance with: (a) any applicable safety and power quality standards established by IEEE and accredited testing laboratories such as Underwriters Laboratories; (b) the NEC as may be revised from time to time; (c) Company's rules, regulations, and Company's Service Regulations as contained in Company's Retail Electric Tariff as may be revised from time to time with the approval of the Kentucky Public Service Commission (Commission); (d) the rules and regulations of the Commission, as such rules and regulations may be revised from time to time by the Commission; and (e) all other applicable local, state, and federal codes and laws, as the same may be in effect from time to time. Where required by law, Customer shall pass an electrical inspection of the generating facility by a local authority having jurisdiction over the installation.
4. Any changes or additions to the Company's system required to accommodate the generating facility shall be considered excess facilities. Customer shall agree to pay Company for actual costs incurred for all such excess facilities prior to construction.
5. Customer shall operate the generating facility in such a manner as not to cause undue fluctuations in voltage, intermittent load characteristics or otherwise interfere with the operation of Company's electric system. At all times when the generating facility is being operated in parallel with Company's electric system, Customer shall so operate the generating facility in such a manner that no adverse impacts will be produced thereby to the service quality rendered by Company to any of its other customers or to any electric system interconnected with Company's electric system. Customer shall agree that the interconnection and operation of the generating facility is secondary to, and shall not interfere with, Company's ability to meet its primary responsibility of furnishing reasonably adequate service to its customers.
6. Customer shall be responsible for protecting, at Customer's sole cost and expense, the generating facility from any condition or disturbance on Company's electric system, including, but not limited to, voltage sags or swells, system faults, outages, loss of a single phase of supply, equipment failures, and lightning or switching surges, except that the Company shall be responsible for repair of damage caused to the generating facility resulting solely from the negligence or willful misconduct on the part of the Company.

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TERMS AND CONDITIONS FOR INTERCONNECTION (Cont.)

(N)

7. After initial installation, Company shall have the right to inspect and/or witness commissioning tests, as specified in the Level 1 or Level 2 application and approval process. Following the initial testing and inspection of the generating facility and upon reasonable advance notice to Customer, Company shall have access at reasonable times to the generating facility to perform reasonable on-site inspections to verify that the installation, maintenance and operation of the generating facility comply with the requirements of this Tariff.
8. For inverter based systems that are certified by a nationally recognized testing laboratory to meet the requirements of UL 1741, the Company does not require a Customer owned external disconnect switch (EDS). For other generating facility types, an isolation device that satisfies the Company's technical interconnection requirements must be included. Where required by the Company, an eligible Customer shall furnish and install on Customer's side of the point of common coupling a safety disconnect switch which shall be capable of fully disconnecting the Customer's energy generating equipment from Company's electric service under the full rated conditions of the Customer's generating facility. The EDS shall be located adjacent to Company's meters or the location of the EDS shall be noted by placing a sticker on the meter, and shall be of the visible break type in a metal enclosure which can be secured by a padlock. If the EDS is not located directly adjacent to the meter, the Customer shall be responsible for ensuring the location of the EDS is properly and legibly identified for so long as the generating facility is operational. The disconnect switch shall be accessible to Company personnel at all times.
9. Company shall have the right and authority at Company's sole discretion to isolate the generating facility or require the Customer to discontinue operation of the generating facility if Company believes that: (a) continued interconnection and parallel operation of the generating facility with Company's electric system creates or contributes (or may create or contribute) to a system emergency on either Company's or Customer's electric system; (b) the generating facility is not in compliance with the requirements of this Tariff, and the non-compliance adversely affects the safety, reliability or power quality of Company's electric system; or (c) the generating facility interferes with the operation of Company's electric system. In non-emergency situations, Company shall give Customer notice of noncompliance including a description of the specific noncompliance condition and allow Customer a reasonable time to cure the noncompliance prior to isolating the Generating Facilities. In emergency situations, where the Company is unable to immediately isolate or cause the Customer to isolate only the generating facility, the Company may isolate the Customer's entire facility.
10. Customer shall agree that, without the prior written permission from Company, no changes shall be made to the generating facility as initially approved. Increases in generating facility capacity will require a new "Application for Interconnection ~~and Net Metering~~" which will be evaluated on the same basis as any other new application. Repair and replacement of existing generating facility components with like components that meet UL 1741 certification requirements for Level 1 facilities and not resulting in increases in generating facility capacity is allowed without approval.

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TERMS AND CONDITIONS FOR INTERCONNECTION (Cont.)

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11. To the extent permitted by law, the Customer shall protect, indemnify and hold harmless the Company and its directors, officers, employees, agents, representatives and contractors against and from all loss, claims, actions or suits, including costs and attorneys fees, for or on account of any injury or death of persons or damage to property caused by the Customer or the Customer's employees, agents, representatives and contractors in tampering with, repairing, maintaining or operating the Customer's generating facility or any related equipment or any facilities owned by the Company except where such injury, death or damage was caused or contributed to by the fault or negligence of the Company or its employees, agents, representatives or contractors.

The liability of the Company to the Customer for injury to person and property shall be governed by the tariff(s) for the class of service under which the Customer is taking service.

12. The Customer shall maintain general liability insurance coverage (through a standard homeowner's, commercial or other policy) for both Level 1 and Level 2 generating facilities. Customer shall upon request provide Company with proof of such insurance at the time that application is made for ~~net~~ metering interconnection.
13. By entering into an Interconnection Agreement, or by inspection, if any, or by non-rejection, or by approval, or in any other way, Company does not give any warranty, express or implied, as to the adequacy, safety, compliance with applicable codes or requirements, or as to any other characteristics, of the generating facility equipment, controls, and protective relays and equipment.
14. A Customer's generating facility is transferable to other persons or service locations only after notification to the Company has been made and verification that the installation is in compliance with this tariff. Upon written notification that an approved generating facility is being transferred to another person, customer or location, the Company will verify that the installation is in compliance with this tariff and provide written notification to the customer(s) within 20 business days. If the installation is no longer in compliance with this tariff, the Company will notify the Customer in writing and list what must be done to place the facility in compliance.
15. The Customer shall retain any and all Renewable Energy Credits (RECs) that may be generated by their generating facility.