

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC APPLICATION OF KENTUCKY	)	
POWER COMPANY FOR (1) A GENERAL	)	
ADJUSTMENT OF ITS RATES FOR ELECTRIC	)	
SERVICE; (2) APPROVAL OF TARIFFS AND	)	
RIDERS; (3) APPROVAL OF ACCOUNTING	)	CASE NO.
PRACTICES TO ESTABLISH REGULATORY	)	2020-00174
ASSETS AND LIABILITIES; (4) APPROVAL OF	)	
A CERTIFICATE OF PUBLIC CONVENIENCE	)	
AND NECESSITY; AND (5) ALL OTHER	)	
REQUIRED APPROVALS AND RELIEF	)	

ORDER

This matter arises from Kentucky Power’s request for a general rate adjustment that included, among other things, a new net metering tariff, Tariff N.M.S. II (NMS II), and approval of the current net metering tariff renamed as Tariff N.M.S. I (NMS I). On January 13, 2021, the Commission entered an Order that rendered decisions on the issues raised in this proceeding, but deferred a decision on NMS I and II. In the January 13, 2021 Order, we stated that we were not persuaded that avoided cost, as proposed by Kentucky Power, should be the basis for establishing NMS II rates and that the Commission Staff should work with the Commission’s net metering consultant to ensure that there is a robust record upon which we could base our decision. Because the proposed NMS I revises only the tariff name and not the tariff content, the primary issues to be determined involve NMS II only.

The following parties requested and were granted full intervention: the Attorney General of the Commonwealth of Kentucky, by and through the Office of Rate Intervention

(Attorney General); Kentucky Industrial Utility Customers, Inc. (KIUC); Walmart Inc. (Walmart); Kentucky Solar Industries Association, Inc. (KYSEIA); Mountain Association for Community Economic Development,<sup>1</sup> Kentuckians for the Commonwealth, and Kentucky Solar Energy Society (collectively, Joint Intervenors); SWVA Kentucky, LLC (SWVA); and Sierra Club. The Attorney General and KIUC (collectively, Attorney General/KIUC) entered into an agreement to jointly sponsor certain discovery requests and witness testimony.

Pursuant to a procedural schedule established on January 15, 2021, the parties responded to multiple rounds of discovery and submitted supplemental and rebuttal testimony. An evidentiary hearing was held on April 6 and April 7, 2021. Kentucky Power filed a response to post-hearing requests for information. On April 21, 2021, Kentucky Power, the Attorney General/KIUC, KYSEIA, and Joint Intervenors filed their respective post-hearing briefs, and Walmart filed a letter stating that it does not take any position on the NMS II issue. On April 26, 2021, Kentucky Power, the Attorney General/KIUC, Joint Intervenors, and KYSEIA filed their respective post-hearing response briefs. The matter now stands submitted to the Commission for a decision.

#### SUMMARY OF FINDINGS

The Commission, based on the record, applicable law and being otherwise sufficiently advised, sets forth net export compensation rates for residential and commercial customers taking service under tariff NMS II following the date of entry of this Order. In doing so, the Commission used only categories of avoided costs either (1) used

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<sup>1</sup> During the pendency of this proceeding, Mountain Association for Community Economic Development changed its name to “Mountain Association.”

or proposed to be used by Kentucky Power in this matter, or (2) used or relied upon by Kentucky Power in planning its transmission, distribution or generation systems. As discussed more fully below, the Commission determined a dollar-denominated value for net exports over a single billing period, rather than more than one netting period. Additionally, using a dollar-denominated value that would essentially continue one-to-one net metering is not accepted, as doing so would be contrary to law and unduly complicated to implement given the number of rate classes that can take service under NMS II. Finally, the kWh export rate for residential and commercial NMS II customers is \$0.09746 and \$0.09657 respectively.

#### LEGAL STANDARD

Kentucky Power filed its proposed NMS II pursuant to KRS 278.180, KRS 278.190, and 807 KAR 5:011. The Commission's standard of review of a utility's request for a tariff is well established. In accordance with statutory and case law, Kentucky Power is allowed to charge its customers "only 'fair, just, and reasonable rates.'"<sup>2</sup> Further, Kentucky Power bears the burden of proof to show that the proposed tariff is just and reasonable, under KRS 278.190(3).

The review of NMS I and II, in particular the export rate for energy exported onto the electric grid, is governed by KRS 278.465–.466. In accordance with KRS 278.465(1)–(2), NMS I and II apply to eligible customer-generators who own and operate an electric generating facility with a rated capacity of 45 kW or less that is located on the customer's premises for the primary purpose of supplying all or part of the customer's own electricity requirements. Pursuant to KRS 278.466(3), customers taking service under NMS II will

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<sup>2</sup> KRS 278.030; and *Pub. Serv. Comm'n v. Com. ex rel. Conway*, 324 S.W.3d 373, 377 (Ky. 2010).

be compensated for electricity fed into the grid over a billing period at a rate set by the Commission using ratemaking processes authorized by KRS Chapter 278 in a proceeding initiated by a retail electric supplier. KRS 278.466(4) provides that the compensation:

[S]hall be in the form of a dollar-denominated bill credit. If an eligible customer-generator's bill credit exceeds the amount to be billed to the customer in a billing period, the amount of the credit in excess of the customer's bill shall carry forward to the customer's next bill.

KRS 278.466(5) provides that net metering rates should be developed as follows:

Using the ratemaking process provided by this chapter, each retail electric supplier shall be entitled to implement rates to recover from its eligible customer-generators all costs necessary to serve its eligible customer-generators, including but not limited to fixed and demand-based costs, without regard for the rate structure for customers who are not eligible customer-generators.

According to KRS 278.466(2), the utility is financially responsible for providing net metering customers with a standard kWh meter capable of registering a bidirectional flow of electricity. Additional meters, distribution upgrades to monitor the bidirectional electricity flow, and any upgrade of the interconnection between the utility and net metering customer-generator are made at the expense of the customer-generator, pursuant to KRS 278.466(2) and (9).

KRS 278.466(6) provides that customers taking service under NMS I will continue to be compensated on a one-to-one kWh denominated energy credit for electricity fed into the grid for 25 years:

For an eligible electric generating facility in service prior to the effective date of the initial net metering order by the commission in accordance with subsection (3) of this section, the net metering tariff provisions in place when the eligible customer-generator began taking net metering service, including the one-to-one (1:1) kilowatt-hour denominated

energy credit provided for electricity fed into the grid, shall remain in effect at those premises for a twenty-five (25) year period, regardless of whether the premises are sold or conveyed during that twenty-five (25) year period. For any eligible customer-generator to whom this subsection applies, each net metering contract or tariff under which the customer takes service shall be identical, with respect to energy rates, rate structure, and monthly charges, to the contract or tariff to which the same customer would be assigned if the customer were not an eligible customer-generator.

Finally, in Case No. 2008-00169, the Commission established application, inspection, and study fees for net metering customers as follows: (1) there are no application, inspection, or study fees for Level 1 applications; (2) Level 2 application and inspection fees are capped at \$100; and (3) fees for a Level 2 initial impact study are capped at \$1,000.<sup>3</sup>

#### PROPOSED NMS II

Kentucky Power proposed to close the current net metering service tariff to new customers as of January 1, 2020, and establish a new net metering tariff, NMS II that (1) changed the netting periods applicable to the monthly billing for customers; (2) changed the export rate paid for excess generation; (3) changed the cost recovery of payments made for NMS II customers' excess self-generation; and (4) changed the application fee to reflect the cost of processing an NMS application.<sup>4</sup>

KRS 278.265(4) provides that the dollar value of electricity exported to the grid by eligible customer-generators is netted against the dollar value of electricity consumed, or

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<sup>3</sup> Case No. 2008-00169, *Development of Guidelines for Interconnection and Net Metering for Certain Generators with Capacity up to Thirty Kilowatts* (Ky. PSC Jan. 8, 2009), Order, Appendix A at 6. This Order has not been modified and remains in effect in accordance with KRS 278.390.

<sup>4</sup> Direct Testimony of Alex E. Vaughan (Vaughan Direct Testimony) (filed June 29, 2020) at 23.

imported, by the eligible customer-generator. Kentucky Power proposed to implement two netting periods within each billing period under NMS II. The netting periods consist of two time-of-use (TOU) periods, 8 a.m. to 6 p.m. and 6 p.m. to 8 a.m. For billing purposes, all positive or negative net kWh<sup>5</sup> would accumulate for each particular netting period. Net negative energy occurs when a customer-generator exports more energy onto the grid than the customer-generator consumes in the comparative TOU period. Net positive energy occurs when a customer-generator consumes more energy than the customer-generator exports onto the grid in the comparative TOU netting period. If a customer's net energy is zero during the billing period, the customer would pay only the non-energy charge portion of the standard tariff bill. If a customer's net energy is negative during the billing period, the customer would pay only the non-energy charge portion of the standard tariff bill and receive a dollar-denominated bill credit at the NMS II export rate for any energy exported onto the grid, with the bill credit carried forward and applied to subsequent billing periods. If a customer's net energy is positive during the billing period, the customer would pay the non-energy charge portion of the standard tariff bill and the energy charge at the standard tariff rate, less any accumulated bill credits.

Kentucky Power developed the export rate based upon avoided costs.<sup>6</sup> Avoided costs are the incremental costs that a utility would have incurred but for services purchased from net metered customers instead of purchasing or generating the same

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<sup>5</sup> The proposed NMS II is also kW where applicable.

<sup>6</sup> As discussed elsewhere in this Order, after the January 13, 2021 Order was issued, Kentucky Power filed a new embedded class cost of service study with separate classes intended to reflect the cost of net metering customers.

amount of services from another source.<sup>7</sup> Avoidance of a cost is a system benefit. For net energy exported to the grid, regardless of the TOU netting period in which it accrued, Kentucky Power proposed an avoided cost rate of \$0.03553/kWh for residential net metered customers and \$0.03778/kWh for net metered commercial customers.<sup>8</sup> Although addressed in greater detail in the Discussion and Findings section below, in brief, Kentucky Power's proposed avoided cost rate includes:

- Avoided energy costs calculated at Kentucky Power's marginal cost of energy, by combining on- and off-peak avoided cost rates from Kentucky Power's COGEN-SPP tariff. Energy payments are based on a four-year average<sup>9</sup> of PJM Interconnection, LLC's (PJM) locational marginal forward pricing (LMP) for Kentucky Power's residual load aggregate.<sup>10</sup> As defined by Kentucky Power, forward pricing is when one counterparty quotes to another counterparty a price at which they are willing to buy or sell energy for some period of time into the future.<sup>11</sup> The LMPs include the value of locational transmission losses.<sup>12</sup> Kentucky Power weighted the rate at 5/7 on-peak

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<sup>7</sup> Case No. 2019-00256, *Electronic Consideration of the Implementation of the Net Metering Act* (Ky. PSC Dec. 18, 2019), Order at 32.

<sup>8</sup> Rebuttal Testimony of Alex E. Vaughan (filed Nov. 9, 2020) (Vaughan Rebuttal Testimony) at R34, and Exhibits AEV-R5 and AEV-R6.

<sup>9</sup> Although the Cogen workpaper labels the avoided energy costs as a 2020-2022 average, the forward pricing calculation, which derives the avoided energy costs, actually utilizes a four-year average. Kentucky Power's Response to Commission Staff's Third Request for Information (Staff's Third Request) (filed July 27, 2020), Item 1, Attachment 15; Kentucky Power's Response to Commission Staff's Fourth Request for Information (Staff's Fourth Request) (filed Aug. 26, 2020), Item 102.

<sup>10</sup> Kentucky Power's Response to Staff's Fourth Request, Item 102.

<sup>11</sup> Kentucky Power's Response to Commission Staff's Tenth Request for Information (Staff's Tenth Request) (filed Mar. 31, 2021), Item 11.

<sup>12</sup> Vaughan Rebuttal Testimony at R28.

and 2/7 off-peak to approximate when solar generation actually occurs.<sup>13</sup> Additionally, distribution losses were calculated as part of the avoided costs calculation and were adjusted and accounted for by grossing up the energy value for avoided primary distribution level losses.<sup>14</sup> Kentucky Power divided the primary energy loss amount by two to calculate the loss adjustment (potential loss savings).<sup>15</sup>

- Avoided generation and transmission capacity cost was calculated as a load reducer, by estimating the full value of a solar generator's output if it were not netting a retail customer's load, and then discounting that at the full solar shape value to account for the fact that net metering installations are netting customer's load requirements some hours of the day.<sup>16</sup>

- PJM ancillary services charges were included as an avoided cost in the export rate calculation in response to testimony sponsored by the Joint Intervenors. Kentucky Power revised the NMS II export rate to account for avoided load-based PJM ancillary services charges.<sup>17</sup>

Kentucky Power's proposed export rate calculation did not include avoided distribution capacity costs, an avoided cost of carbon, other environmental compliance costs, the value of the customer-generators' renewable energy credits (RECs), or other

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<sup>13</sup> Vaughan Direct Testimony at 26–27.

<sup>14</sup> Vaughan Rebuttal Testimony at R28.

<sup>15</sup> Kentucky Power's Response to Staff's Third Request, Item 1, Attachment 15, tab "Cogen."

<sup>16</sup> Vaughan Direct Testimony at 26–27.

<sup>17</sup> Vaughan Rebuttal Testimony at R30.



externalities that Kentucky Power contended are not related to the cost of service.<sup>18</sup> Additionally, Kentucky Power did not seasonally differentiate the export rate.<sup>19</sup>

Kentucky Power proposed to collect through its purchased power adjustment (PPA) tariff any avoided cost payments made to customers under NMS II for credits for net energy exported to the grid because the payments are a purchased power expense.<sup>20</sup> Kentucky Power explained that, in the alternative, it could collect the costs through Kentucky Power's fuel adjustment clause as a purchased power expense.<sup>21</sup> This proposal would make Kentucky Power indifferent to any net costs paid to customers taking service under NMS II.

Kentucky Power also proposed to increase the application fees on NMS II for Level 1 applications from no fee to \$150 and for Level 2 applications from \$50 to \$150.<sup>22</sup> For an initial impact study that may be required for Level 2 applications, Kentucky Power proposed to remove the \$1,000 cap on an initial impact study, with net metering customers paying all reasonable costs of an initial impact study.<sup>23</sup> Kentucky Power asserted that the fee increase reflected the actual cost of processing an NMS application.<sup>24</sup>

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<sup>18</sup> Vaughan Direct Testimony at 27; Vaughan Rebuttal Testimony at R31–R33.

<sup>19</sup> April 7, 2021 Hearing Video Testimony (HVT) at 09:16:20 and 12:04:03.

<sup>20</sup> Vaughan Direct Testimony at 28.

<sup>21</sup> *Id.*

<sup>22</sup> Application, Exhibit D at 135.

<sup>23</sup> *Id.*

<sup>24</sup> Vaughan Direct Testimony at 23;

By letter filed on January 26, 2021, Kentucky Power stated that it put NMS I and NMS II into effect on January 14, 2021, subject to refund. However, at the formal hearing, Kentucky Power testified that, until the Commission reaches its final decision in this matter, Kentucky Power will give customers the option to take service under NMS I or NMS II.<sup>25</sup>

## ARGUMENTS

### Kentucky Power

Kentucky Power argued that the proposed NMS II comports with the requirements of KRS 278.466 regarding export rates for excess generation and applicability to customers whose eligible electric generating facility service begins after January 1, 2021, while all existing net metered customers may continue to be served under NMS I for up to 25 years so long as they do not make material changes to their generating systems.<sup>26</sup>

Kentucky Power asserted that the proposed NMS II results in a more appropriate fixed cost contribution towards Kentucky Power's cost of retail electric service, consistent with the net metering act.<sup>27</sup> Kentucky Power asserted that customers taking service under the current net metering tariff receive a \$0.0720/kWh subsidy because they receive compensation for generating electricity at the full retail rate of over \$0.10/kWh, while Kentucky Power's avoided cost of electric service for the excess generation is

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<sup>25</sup> April 6, 2021 HVT at 10:10:20, 4:48:34, and 5:01:30.

<sup>26</sup> Vaughan Direct Testimony at 24; April 6, 2021 HVT at 2:23:10; Kentucky Power's Response to Commission Staff's NMS Post-Hearing Request for Information (Staff's Post-Hearing Request) (filed Apr. 14, 2021) at Item 6.

<sup>27</sup> Vaughan Direct Testimony at 29.

\$0.04/kWh.<sup>28</sup> Kentucky Power argued that, due to the differential, non-net metered customers subsidize net metered customers by paying almost three times what Kentucky Power currently pays for electricity.<sup>29</sup>

In response to criticism that Kentucky Power did not conduct a cost of service study that segregated net metered customers from non-net metered customers within the residential and commercial customer classes, in February and March 2021, Kentucky Power re-created a customer class cost of service study based on the class cost of service study originally conducted for this proceeding. In creating the customer class cost of service study, Kentucky Power removed net metering customers from their respective customer classes, then created separate customer classes for residential and commercial net metering customers. Kentucky Power explained that it could not conduct load research specifically for net metered customers separate from residential or commercial customers because it does not have the metering technology needed to do so.<sup>30</sup> Instead, Kentucky Power used load research from net metered residential customers from a sister utility based in Virginia.<sup>31</sup> Kentucky Power argued that the Virginia load research was valid and applicable to Kentucky Power's service territory due to similarity between the levels of Virginia's and Kentucky Power's electric heating, geography, and density, and

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<sup>28</sup> Kentucky Power's Response to KYSEIA's First Request for Information (KYSEIA's First Request) (filed Aug. 26, 2020), Item 19; Vaughan Rebuttal Testimony at R24–R25; and April 6, 2021 HVT at 10:32:05.

<sup>29</sup> Vaughan Rebuttal Testimony at R24–R25; and April 6, 2021 HVT at 10:32:05.

<sup>30</sup> Memorandum Brief of Kentucky Power Company Regarding Tariff NMS II (filed Apr. 21, 2021) (Kentucky Power's NMS Post-Hearing Brief) at 5.

<sup>31</sup> Vaughan Rebuttal Testimony at R38; April 6, 2021 HVT at 7:24:57 and Kentucky Power Hearing Exhibit 1; and Kentucky Power's NMS Post-Hearing Brief at 6.

the geographic adjacency.<sup>32</sup> Based on the customer class cost of service study, Kentucky Power claimed that residential and commercial net metered customer classes are subsidized by non-net metered customers at a total annual rate of approximately \$40,000, or \$870 per year per system for each of its 46 test year customers.<sup>33</sup>

Kentucky Power asserted that the avoided cost rates proposed for NMS II reflect the full accounting of the costs of and benefits to eligible customer-generators, including reduced transmission and distribution losses, reduced distribution level congestion, peak load reductions, reduced fuel costs, reduced environmental compliance costs, avoided generation capacity, reduced grid support services, and improved grid resiliency.<sup>34</sup> Kentucky Power claimed that the proposed NMS II export rate incorporates all actual cost of service and avoided cost inputs resulting from excess generation from eligible customer-generators, and therefore the proposed export rate should be approved as fair, just and reasonable.<sup>35</sup>

Regarding the provisions for legacy eligible generating facilities and eligible generator customers, Kentucky Power contended that making a material change to an existing NMS I eligible generating facility, such as adding battery storage or generating capacity through a facility expansion, after the effective date of the Order approving NMS II would cause eligible NMS I customer-generators to lose their legacy status established

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<sup>32</sup> Vaughan Rebuttal Testimony at R39; Kentucky Power's NMS Post-Hearing Brief at 6.

<sup>33</sup> Supplemental Rebuttal Testimony of Jason M. Stegall (filed Mar. 25 2021) (Stegall Supplemental Rebuttal Testimony) at S4–S5; Alex E. Vaughan Supplemental Testimony (file Feb. 25, 2021) (Vaughan Supplemental Testimony) at S4–S5; and Kentucky Power's NMS Post-Hearing Brief at 8.

<sup>34</sup> Vaughan Rebuttal Testimony at R28–31; and Kentucky Power's NMS Post-Hearing Brief at 9.

<sup>35</sup> Vaughan Supplemental Testimony at S6; and Kentucky Power's NMS Post-Hearing Brief at 8– 9.

in KRS 278.466(6).<sup>36</sup> Kentucky Power argued that an increase in the eligible facility's generating capacity or any other major modification is the "functional equivalent" of a new installation, and thus should be treated the same as any application for a new eligible facility placed into service after the effective date of NMS II.<sup>37</sup> Kentucky Power further argued that this interpretation is consistent with the interconnection and net metering guidelines approved by the Commission in Administrative Case No. 2008-00169, which provides that, absent written permission by a utility, increases in generating facility capacity will require a new application for interconnection and net metering.<sup>38</sup>

Regarding the 25-year period applicable to legacy NMS I eligible generating facilities, Kentucky Power maintained that the plain language of KRS 278.466(6) establishes the start of the 25-year legacy period as the date the eligible generating facility was placed in service, and not the effective date of NMS II.<sup>39</sup>

Regarding the application fee, Kentucky Power maintained that the increased application and initial impact study fees are not at full cost, but are closer to reflecting the actual cost of processing an NMS application or conducting an initial impact study.<sup>40</sup> Kentucky Power argued that the initial impact study requires engineering expertise that can cost over \$10,000, and if a net metered customer pays only \$1,000 of the study costs,

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<sup>36</sup> April 6, 2021 HVT at 2:23:10; and Kentucky Power's Response to Staff's NMS Post-Hearing Request, Item 6.

<sup>37</sup> Kentucky Power's NMS Post-Hearing Brief at 12–13.

<sup>38</sup> Kentucky Power's NMS Post-Hearing Brief at 13–14; Administrative Case No. 2008-00169, Jan. 8, 2009 Order, Appendix A at 8.

<sup>39</sup> Kentucky Power's Response to Staff's NMS Post-Hearing Request, Item 6.

<sup>40</sup> Vaughan Direct Testimony at 23, 28–29.

that Kentucky Power and other customers bear the expense.<sup>41</sup> Kentucky Power subsequently stated that the costs to conduct the study are not tracked, and thus are not available, but estimated that the cost to conduct an initial impact study is \$15,000, which includes \$12,375 for engineering modeling and planning; \$825 for engineering report creation; \$300 for project management; and \$1,500 for customer service expense.<sup>42</sup>

Kentucky Power encouraged the Commission to disregard testimony provided by Joint Intervenors and KYSEIA opposing NMS II export rates and rate methodology, arguing that such testimony was unsupported by evidence and contrary to Kentucky law.<sup>43</sup> Further, according to Kentucky Power, Joint Intervenors and KYSEIA fail to acknowledge that net metered customers receive subsidies at the expense of non-net metered customers, and instead argue to retain an export rate that overcompensates net metered customers contrary to the express terms of KRS 278.466.<sup>44</sup>

#### Attorney General/KIUC

The Attorney General/KIUC supported Kentucky Power's Tariff NMS II as proposed.<sup>45</sup> The Attorney General/KIUC asserted that the current net metering compensation price is greater than the value of the energy or the avoided cost, and thus provides a subsidy to net metered customers at the expense of non-net metered

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<sup>41</sup> Vaughan Direct Testimony at 28–29.

<sup>42</sup> Kentucky Power's Response to Staff's NMS Post-Hearing Request, Items 4 and 8.

<sup>43</sup> Kentucky Power's NMS Post-Hearing Brief at 16–26; Response of Kentucky Power to Post-Hearing Briefs of KYSEIA and Joint Intervenors regarding Tariff NMS II (filed Apr. 26, 2021) (Kentucky Power's NMS Post-Hearing Response Brief) at 3–7.

<sup>44</sup> Kentucky Power's NMS Post-Hearing Response Brief at 7–8.

<sup>45</sup> Attorney General/KIUC's Post-Hearing Brief (filed Dec. 14, 2020) at 49–50; Attorney General/KIUC's NMS Post-Hearing Brief (filed Apr. 21, 2021) at 2.

customers.<sup>46</sup> The Attorney General/KIUC argued that the subsidy is regressive because, given the cost of solar rooftop generating facilities, the majority of net metered customers are likely more affluent than non-net metered customers who lack the financial resources to fund the installation of an eligible generating facility.<sup>47</sup> The Attorney General/KIUC maintained that the proposed export rate includes avoided energy cost and avoided capacity cost, and thus is a more reasonable estimate of and payment for the value of excess generation from net metered customers.<sup>48</sup>

In response to arguments made by Joint Intervenors and KYSEIA to reject Kentucky Power's proposed NMS II export rate and retain the one-to-one retail rate, the Attorney General/KIUC argued that retaining the one-to-one retail rate is not supported by the record, contrary to KRS 278.466, and is not fair, just and reasonable.<sup>49</sup> The Attorney General/KIUC maintained that Kentucky Power's proposed NMS II rate is fair, just and reasonable and should be approved.

#### Joint Intervenors and KYSEIA

In their respective expert witness testimony and briefs, Joint Intervenors, KYSEIA, and their respective witnesses took similar positions and offered similar arguments. Joint Intervenors and KYSEIA recommended that the Commission deny the proposed NMS II rate, and instead continue the one-to-one export rate until Kentucky Power presents a

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<sup>46</sup> Attorney General/KIUC's Post-Hearing Brief at 49; Attorney General/KIUC's NMS Post-Hearing Brief at 2.

<sup>47</sup> Attorney General/KIUC's Post-Hearing Brief at 49; Attorney General/KIUC's NMS Post-Hearing Brief at 2–3.

<sup>48</sup> Attorney General/KIUC's Post-Hearing Brief at 50; Attorney General/KIUC's NMS Post-Hearing Brief at 2–3.

<sup>49</sup> Attorney General/KIUC's Supplemental NMS Post-Hearing Brief (filed Apr. 26, 2021), at 1–2.

new export rate that is supported by substantial evidence that includes all costs and benefits to serve net metered customers.<sup>50</sup> Joint Intervenors, KYSEIA, and their witnesses argued that Kentucky Power's failure to provide sufficient evidence of the actual cost to serve net metering customers, failure to use actual load data based upon Kentucky Power's own net metering customer's load, failure to develop a sound cost of service study, and failure to include all relevant costs and benefits from serving net metered customers, and flawed assumptions result in significant ratemaking errors that, in turn, result in a net metering successor rate that is counter to standard ratemaking processes and principles.<sup>51</sup> Joint Intervenors asserted that Kentucky Power's failure to conduct a proper cost of service study renders the proposed NMS II rates improper because the rates are based on avoided costs, but according to Joint Intervenors, the text of the KRS 278.466(5) requires that net metered rates must be based upon a cost of service study.<sup>52</sup>

While Joint Intervenors and KYSEIA proposed additional inputs that they argued should be included in calculating a successor net metering rate, neither provided alternative calculations for those inputs or for a net metering successor rate. In response to Kentucky Power's arguments that Joint Intervenors and KYSEIA failed to provide

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<sup>50</sup> Joint Intervenors' NMS Post-Hearing Brief (filed Apr. 21, 2021), at 3; Joint Intervenors' NMS Post-Hearing Response Brief (filed Apr. 26, 2021), at 3; KYSEIA's NMS Post-Hearing Brief (filed Apr. 21, 2021), at 2; and KYSEIA's NMS Post-Hearing Response Brief (filed Apr. 26, 2021), at 4–5.

<sup>51</sup> Joint Intervenors' NMS Post-Hearing Brief at 3–9 and 14–17; Joint Intervenors' NMS Post-Hearing Response Brief at 3–8; KYSEIA's NMS Post-Hearing Brief at 3–9; and KYSEIA's NMS Post-Hearing Response Brief at 5–6; Benjamin D. Inskeep Supplemental Rebuttal Testimony (filed Mar. 25, 2021) (Inskeep Supplemental Rebuttal Testimony) at 4–12 and 16–22; Karl R. Rábago Supplemental Testimony (filed Feb. 25, 2021) (Rábago Supplemental Testimony) at 6–9.

<sup>52</sup> Joint Intervenors' NMS Post-Hearing Response Brief at 9.



evidence to support a net metering successor rate different than proposed by Kentucky Power, both Joint Intervenors and KYSEIA argued that Kentucky Power alone bore the burden of proof in this proceeding, and that Kentucky Power improperly attempted to shift the burden of proof to Joint Intervenors and KYSEIA.<sup>53</sup>

Joint Intervenors disputed that net metered customers are subsidized by other customers, contending that Kentucky Power's assertions regarding a purported subsidy are based on an erroneous assumption that net metered customers fail to pay the cost of service because they use less electricity than non-net metered customers.<sup>54</sup> Additionally, Joint Intervenors challenged Kentucky Power's and the Attorney General/KIUC's assertions that net metered customers are being overcompensated by one-to-one export rates, arguing that the value of the compensation to net metered customers cannot be determined without also considering the value that accrues to a utility and other customers from excess energy exported by net metered customers to the grid.<sup>55</sup>

Joint Intervenors, KYSEIA, and their witnesses expressed concern that, by expanding their current systems or adding battery storage, existing net metered customers could lose their legacy status.<sup>56</sup> Joint Intervenors, KYSEIA, and their witnesses recommended that the Commission allow current net metered customers to

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<sup>53</sup> Joint Intervenors' NMS Post-Hearing Response Brief at 7; NMS KYSEIA's Post-Hearing Response Brief at 1–3.

<sup>54</sup> Joint Intervenors' NMS Post-Hearing Brief at 11–14; Joint Intervenors' NMS Post-Hearing Response Brief at 5; and KYSEIA's NMS Post-Hearing Brief at 9–10.

<sup>55</sup> Joint Intervenors' NMS Post-Hearing Brief at 11–14; Joint Intervenors' NMS Post-Hearing Response Brief at 12.

<sup>56</sup> Joint Intervenors' NMS Post-Hearing Response Brief at 13–14; KYSEIA's NMS Post-Hearing Brief at 10–13; KYSEIA's NMS Post-Hearing Response Brief at 3–4; Direct Testimony of Benjamin D. Inskeep (filed Oct. 7, 2020) (Inskeep Direct Testimony) at 17–28; and James M. Van Nostrand Direct Testimony (filed Oct. 7, 2020) (Van Nostrand Direct Testimony) at 2–3, 15.

maintain their KRS 278.466(6) legacy rights if the customers install a battery energy storage system or expand the eligible generating facility within the size limitations of 45 kW as established in KRS 278.465 after the effective date of NMS II.<sup>57</sup>

Joint Intervenors recommended that the Commission deny Kentucky Power's proposed increase to Level 1 and Level 2 net metering application fees and the fee for a Level 2 initial impact study because the fees exceed those approved in Case No. 2008-00169. Joint Intervenors argued that the fees should not be addressed piecemeal in this case, but instead should be deferred to the pending administrative case that was opened to investigate whether the interconnection guidelines applicable to all electric utilities should be updated.<sup>58</sup>

Due to conflicting testimony from Kentucky Power whether customers with pending applications could take service under NMS I prior to the final Order issued in this proceeding, regardless of whether the eligible generating facility was in service, Joint Intervenors requested that the Commission clarify that any customer who submitted a net metering application prior to the date of the final Order in this proceeding be eligible to take service under NMS I.<sup>59</sup>

## DISCUSSION AND FINDINGS

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<sup>57</sup> Joint Intervenors' NMS Post-Hearing Response Brief at 13–14; KYSEIA's NMS Post-Hearing Brief at 16–19; KYSEIA's NMS Post-Hearing Response Brief at 3–4; Direct Testimony of Benjamin D. Inskeep (filed Oct. 7, 2020) (Inskeep Direct Testimony) at 17–28; and James M. Van Nostrand Direct Testimony (filed Oct. 7, 2020) (Van Nostrand Direct Testimony) at 2–3, 15.

<sup>58</sup> Joint Intervenors' NMS Post-Hearing Brief at 19–20; Joint Intervenors' NMS Post-Hearing Response Brief at 15.

<sup>59</sup> Joint Intervenors' NMS Post-Hearing Brief at 19–20.

As an initial matter, Kentucky Power developed its net metering successor rate to address a purported \$40,000 annual subsidy that allegedly accrued to 46 net metered customers as of the end of the test year on March 31, 2020.<sup>60</sup> Put into a different context, Kentucky Power alleged that each of its 165,415<sup>61</sup> non-net metered customers pay \$0.24 annually to net metered customers due to the one-to-one export rate. In comparison, according to the schedule below prepared by Kentucky Power,<sup>62</sup> other customer classes pay \$31,800,000 in subsidies to the non-net metered residential customer class, but Kentucky Power opted not to alter its rate design in the proceeding to address the existing inter-class subsidy.<sup>63</sup>

CLASS	Going-Level ROR	Relative ROR	Subsidy (Paid)/ Received (\$ in Millions)
Residential	-0.11 %	-0.04	\$31.8
Residential NMS	-7.03 %	-2.46	\$0.02
Commercial & Industrial NMS	-2.40 %	-0.84	\$0.02
General Service	7.26 %	2.54	(\$11.2)
Large General Service	6.39 %	2.23	(\$7.2)
IGS	5.62 %	1.97	(\$9.4)
Municipal Waterworks	9.51 %	3.33	(\$0.03)
Outdoor Lighting	15.21 %	5.32	(\$3.4)
Street Lighting	17.35 %	6.07	(\$0.6)
Total Kentucky Power Jurisdiction	2.86 %	1.00	\$0.0

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<sup>60</sup> Kentucky Power's Response to Staff's Fourth Request, Item 82.

<sup>61</sup> *Annual Report of Kentucky Power Company to the Kentucky Public Service Commission for the Year Ending December 31, 2019* (filed July 13 2020) at 5. Kentucky Power reported a total customer count of 165,461 as of December 31, 2019. Subtracting 46 net metered customers from the total number of customers results in 165,415 non-net metered customers.

<sup>62</sup> Stegall Supplemental Rebuttal Testimony at S3.

<sup>63</sup> Vaughan Direct Testimony at 9.

In further comparison, the purported net metering subsidy is less than the \$49,822 in educational assistance payments made to Kentucky Power employees that is recovered in rates or \$51,117 in witness coaching in communication strategy and video recording services that Kentucky Power sought to recover in rates, but was denied.<sup>64</sup> The Commission raises this issue not as a basis for our decision, but to place the cost impact and Kentucky Power's basis for proposing a new net metering rate into a larger context.

#### Kentucky Power's NMS Cost of Service Study

As previously described, Kentucky Power conducted a class cost of service study that created a separate class for residential and commercial net metered customers in response to criticism that it failed to conduct a cost of service study to determine the total costs incurred to provide service to net metered customers. The net metering cost of service study put forth by Kentucky Power contained flaws that renders it unreliable and not useful for ratemaking. First and foremost, it is unclear at this point whether there is justification for considering net metering customers a separate class. Sufficient and distinct loads must be present, among other things, to justify separating customers into separate classes. Kentucky Power did not demonstrate sufficient load diversity to justify separating customers into separate classes or other threshold issues related to properly conducting a cost study.<sup>65</sup> Nevertheless, Kentucky Power did not propose a separate rate structure in this matter for NMS II customers, pursuant to KRS 278.466(5). Another significant issue was the lack of appropriate and sufficient data. Kentucky Power does

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<sup>64</sup> Kentucky Power's Response to Staff's Second Request for Information (filed July 21, 2020), Item 1, Attachment 1; Order (Ky. PSC Feb. 22, 2021) at 18–19.

<sup>65</sup> Without higher levels of penetration and cost-justified load data collection, Kentucky Power will not have reason to effectuate the portion of KRS 278.466(5) that allows it to propose independent NMS II retail rates.

not have load research data on its net metered customers, a threshold input to an embedded cost of service study. Without such data, claims regarding a subsidy or differentiated load profiles is moot. But as previously mentioned, it is not clear that collecting such data is appropriate or cost justified at this time because there is no reason to believe that a significant subsidy is present, given the *de minimis* load that the few number of net metered customers represents.<sup>66</sup>

### Principles for Compensation for Eligible Customer-Generators

As previously mentioned, multiple intervenors recommended a separate proceeding and process for defining objectives and determining approaches for estimating net metering costs and benefits. Intervenors provided several examples of other states undergoing similar proceedings and provided a description of best practices for compensating eligible customer-generators.<sup>67</sup> While the Commission declined, in the January 13, 2021 Order, to adopt a recommendation for a separate proceeding to determine a NEM rate methodology,<sup>68</sup> the Commission concludes that many of the best practices supported by intervenors are reasonable and should be incorporated into NMS II for the reasons set forth below. These principles are as follows:

- Evaluate eligible generating facilities as a utility system or supply side resource. Because eligible customer-generators and their eligible generating facilities

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<sup>66</sup> Net metered customers (NEM) consume 40,539 kWh (residential) and 110,995 kWh (C&I) while total retail sales are 502,600,077 kWh. Thus, NEM load is .03% of total retail sales. Stegall Supplemental Rebuttal Testimony Exhibits\_JMS-SR1\_and\_JMS-SR2.

<sup>67</sup> Rábago Supplemental Testimony at 15–18; Joint Intervenors’ Response to Staff’s Second Request for Information (filed Feb. 12, 2021), Item 2.

<sup>68</sup> January 13, 2021 Order at 85.

can meet power system needs, they should be compared with other energy resources using consistent methods, processes, and assumptions.

- Treat benefits and costs symmetrically. KRS 278.466(5) provides that electric utilities are “entitled to implement rates to recover . . . all costs necessary to serve its eligible customer-generators.” This is because an evaluation consisting of only the costs incurred by Kentucky Power would be deficient if the evaluation failed to consider known or reasonably expected measurable positive effects, or benefits, that accrue to Kentucky Power. Thus, to avoid bias, it is important to weigh the costs and benefits of a resource symmetrically. As we found in Case No. 2019-00256, “[t]he Commission must develop a process that identifies known or reasonably expected measurable costs and benefits that can be factored into the ratemaking process” for net metering rates that compensate eligible customer-generators for energy exported to the grid.<sup>69</sup> While the record in this case does not offer quantitative evaluations of benefits and costs,<sup>70</sup> the parties’ qualitative arguments demonstrated the need to evaluate a broad range of known or reasonably expected measurable benefits of eligible customer-generators, leading the

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<sup>69</sup> Case No. 2019-00256, *Electronic Consideration of the Implementation of the Net Metering Act* (Ky. PSC Dec. 18, 2019), Order at 33.

<sup>70</sup> As we have said in previous Orders, noting an intervening party’s failure to provide evidence regarding an issue does not equate to a shifting of the burden of proof, nor is it the case that a utility has met its burden of proof when the utility’s evidence is the only evidence in the record. When a utility meets its burden of proof, an intervening party has the opportunity, but not the requirement, to rebut the utility’s proof through evidence. When a party does not file certain evidence into a case record, the Commission typically makes note of that in an order to be thorough and avoid the misperception that a party’s argument has been omitted. Here, due to the novelty of establishing successor net metering rates, the Commission would have welcomed if the intervening parties had shared their expertise and experience in quantifying certain evidence, but we emphasize that the intervening parties did not have an affirmative obligation to do so. See Case No. 2018-00358, *Electronic Application of Kentucky-American Water Company for an Adjustment of Rates* (Ky. PSC Aug. 8, 2019), Order at 13–14.

Commission to incorporate additional avoided cost components beyond those proposed by Kentucky Power.

- Conduct forward-looking, long-term, and incremental analysis. A utility makes economic decisions that consider the entire life of a project, and such long-term analysis should also apply to an eligible customer-generator. Given that the typical warranty provided by a solar panel manufacturer is 25 years, this would be an appropriate analysis period for Kentucky Power's net metered customers.<sup>71</sup> A long-term approach ensures unbiased evaluation of system resources, ensures ratepayers are paying fair value for avoided future costs, and compensates eligible customer-generators fairly.
- 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.
- Ensure transparency. Transparency creates trust between parties and allows for a robust public process around resource evaluation. All relevant assumptions, methodologies, and results from any party should therefore be clearly documented and available for stakeholder review and input.<sup>72</sup>

While the principles above were offered in the context of compensating eligible customer-generators, similar principles apply to rate design. For a net metering tariff, rate

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<sup>71</sup> Joint Intervenors' Response to Staff's Second Request, Item 2, Hayibo, Koami Soulemene & Pearce, Joshua. (2021). "A review of the value of solar methodology with a case study of the U.S. VOS." *Renewable and Sustainable Energy Reviews*. 137(2): 110599.

<sup>72</sup> While there may be instances in which confidential data provides insight or enables a superior methodological approach, the Commission encourages utilities and stakeholders to rely on public or third-party data to the extent possible. When two methodological approaches are provided in the record, one that relies on public and the other on confidential data, the Commission will have a strong preference for the method that relies on public data.

design principles are relevant not only to the export rate structure, but also to the underlying retail rate that customer-generators pay for their energy consumption. When considering rate designs for either export or consumption, it is important to consider the above principles alongside the additional principles of stability and simplicity.

#### Rate Design: Netting Periods

The proposed NMS II tariff uses a net billing rate structure that compensates netted, excess customer exports at an avoided cost rate and permits customer self-consumption, effectively compensating the latter at the applicable retail rate.<sup>73</sup> The netting periods limit the amount of self-consumption that a customer-generator can achieve within a billing period. The netting periods were selected to register the majority of eligible solar generation in a single netting period.<sup>74</sup> Although time-of-use netting periods can more granularly match customer load to customer generation, the periods that Kentucky Power selected are not based on cost causation. The hours of the day with and without sunshine do not necessarily align with system costs. Further, Kentucky Power's netting periods do not match its Residential Experimental Time of Day tariff, nor do they match PJM's on- and off-peak periods. The proposed netting periods also significantly increase the complexity of the NMS rate design, without clear indication of their benefit. For the above reasons, the Commission finds that the proposed netting periods are not fair, just and reasonable, and therefore should be rejected. The Commission further finds that Kentucky Power shall continue to net the total energy

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<sup>73</sup> Because of these rate structure characteristics, customer compensation is directly impacted by the underlying retail rate, such as the residential customer charge and volumetric rate. Therefore, the Commission's Order to increase the customer charge reduced the value of self-consumption.

<sup>74</sup> Kentucky Power's Response to Joint Intervenors' First Request for Information (filed Aug. 26, 2020) (Joint Intervenors' First Request), Item 5.



consumed and the total energy exported by eligible customer-generators over the billing period in NMS II consistent with the billing period netting period established in NMS I.

#### Avoided Cost Rate Calculation

Having reviewed the case record and being otherwise sufficiently advised, the Commission finds that Kentucky Power's proposed export rates based upon avoided costs as modified below reflect best practices in developing successor net metering rates, and are fair, just and reasonable.

Kentucky Power's avoided cost component proposals, including its COGEN-SPP tariff calculations, and associated workpapers<sup>75</sup> (Avoided Cost Model) inform its proposed export rate. The Commission finds Kentucky Power's high-level modeling approach to be a reasonable starting point for developing the avoided cost components. However, the Commission finds that numerous adjustments to Kentucky Power's model approach, inputs, and assumptions are necessary to ensure a just and reasonable estimate of avoided generation and transmission capacity, energy, and ancillary service costs. The Commission also finds that intervenors and the record support including additional avoided cost components to customers-generators through the export rate. Below, we address the methodology and estimate of each avoided cost that should be included in Kentucky Power's export rates.

#### Avoided Energy Cost

The Commission finds Kentucky Power's proposal to estimate avoided energy costs based on residual aggregate forward pricing contracts between counterparties to

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<sup>75</sup> Vaughan Rebuttal Testimony at Exhibits AEV-R5 and AEV-R6; Kentucky Power's Response to Staff's Third Request, Item 1, Attachment 15.

be unreasonable because the data based upon these contracts lack transparency, as the terms, conditions, parties, and applicability of the contracts are unclear and unspecified despite multiple rounds of discovery.<sup>76</sup> Transparent, public data and data sources are critical to evaluating the reasonableness of a rate. Kentucky Power's approach for estimating avoided energy costs also utilizes inconsistent periods: the underlying counterparty data was quoted using PJM on-peak pricing, which includes weekdays from 7 a.m. to 11 p.m.,<sup>77</sup> but Kentucky Power's Cogen tariff specifies an on-peak period that includes weekdays from 7 a.m. to 9 p.m.<sup>78</sup> In addition, Kentucky Power weighted its NMS II export rate as 2/5 off-peak even though its own estimate of solar export shows all customer-generation *and* net excess occurring within both of the above on-peak periods.<sup>79</sup> Because LMP values vary temporally, the inconsistent periods would have a positive or negative impact on the imputed avoided energy cost value. Kentucky Power did not quantify this impact. Finally, Kentucky Power's rate does not reflect long-term avoided energy costs by accounting for the change in energy price over time.

To improve upon Kentucky Power's avoided energy cost methodology, the Commission has determined that the avoided cost should be the publicly available LMPs at the Kentucky Power Residual Load Aggregate pricing node, averaged from 2017-

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<sup>76</sup> Kentucky Power's Response to Staff's Fourth Request, Item 102, Attachment 102; Kentucky Power's Response to Staff's Fifth Request, Item 24; and Kentucky Power's Response to Staff's Tenth Request for Information, Item 11.

<sup>77</sup> Kentucky Power's Response to Staff's Tenth Request for Information, Item 11.

<sup>78</sup> Kentucky Power's Response to Staff's Third Request, Item 15, Attachment 15, tab "Cogen."

<sup>79</sup> Vaughan Rebuttal Testimony, Exhibit AEV-R5, tab "Typical Install".

2019.<sup>80</sup> To reflect cost causation and avoid double-counting,<sup>81</sup> the Commission took the average LMP during the hours that Kentucky Power identified as aligning with typical solar export (9 a.m. to 6 p.m.).<sup>82</sup> Finally, we levelized the average LMPs over a 25-year period<sup>83</sup> to account for long-term change in energy pricing.<sup>84</sup>

Kentucky Power accounted for line losses in its NMS II avoided energy cost the same way it did for the COGEN-SPP Tariff.<sup>85</sup> Specially, Kentucky Power divides its estimate of primary losses by two to achieve “potential loss savings.”<sup>86</sup> Kentucky Power

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<sup>80</sup> Kentucky Power’s Response to Commission Staff’s Fifth Request for Information (Staff’s Fifth Request) (filed Sept. 30, 2020), Item 18, Attachment 1. We omit 2020 data because the unprecedented COVID-19 pandemic likely impacted load in uncommon ways. The Commission finds this impact is unlikely to be repeated and will unduly and unfairly distort otherwise competent data.

<sup>81</sup> Averaging only the LMPs that correspond to customer-generator export avoids double-counting the higher-value evening hours which customers already avoid—or self-compensate—by netting self-consumption.

<sup>82</sup> Vaughan Rebuttal Testimony, Exhibit AEV-R5, tab “Typical Install”.

<sup>83</sup> See above discussion of Principles, evaluate eligible generating facilities as a utility system resources.

<sup>84</sup> The net present value of avoided energy costs was estimated using natural gas forwards and futures, and the 30-year risk free treasury yield. See Case No. 2019-00443, *Electronic 2019 Integrated Resource Planning Report of Kentucky Power Company* (filed May 21, 2020), Kentucky Power’s Response to Commission Staff’s First Request for Information, Item 58, Attachment 3 (natural gas forwards and futures). See also Direct Testimony of Adrien M. McKenzie (filed July 14, 2020), Exhibits AMM-5 and AMM-6 (The Capital Asset Pricing Model assumptions included a current risk free rate of 1.9 percent (average yield on 30-year Treasury bonds for the six months ended April 2020) and a projected risk free rate of 3.2 percent (average yield on 30-year Treasury bonds for 2021-2025). Rebuttal Testimony of Adrien M. McKenzie (filed Nov. 9, 2020), Exhibits AMM-17 and AMM-18 (The Capital Asset Pricing Model assumptions included a current risk free rate of 1.4 percent (average yield on 30-year Treasury bonds for the six months ended September 2020) and a projected risk free rate of 2.2 percent (average yield on 30-year Treasury bonds for 2021-2025). Consistent with Kentucky Power’s assumptions in its IRP, Henry Hub gas price forecasts were relied upon. The forecast was updated to reflect current, third-party data. Under Kentucky Power’s IRP natural gas price assumptions, the avoided energy cost would have been \$0.063. Under Kentucky Power’s IRP assumption the total export compensation rate would have increased rate by \$0.0245 (\$0.06343 - \$0.03893) to \$0.12196 (\$0.0245 + \$0.09746).

<sup>85</sup> Vaughan Direct Testimony, Exhibit AEV-3, at 2 of 2; Kentucky Power’s Response to Staff’s Fifth Request, item 18 a. and Item 18, Attachment 1.

<sup>86</sup> *Id.*

did not substantiate its adjustment of primary losses with any quantitative or engineering analysis. Furthermore, Kentucky Power appears to use static losses as opposed to marginal losses, which are a superior estimate when calculating avoided costs.<sup>87</sup> The use of static line losses likely understates avoided line losses indicating an area for future methodological improvement.<sup>88</sup> As noted earlier, Kentucky Power applied an adjustment for distribution losses by grossing up the energy value for avoided primary distribution level losses and dividing the primary energy loss amount by two to calculate the loss adjustment (potential loss savings). The Commission finds that this adjustment is unjustified and not appropriate because it lacks any necessary supporting analysis.

For these reasons, the Commission rejects Kentucky Power's line loss estimate and instead employs the unadjusted primary line losses. These combined changes result in a \$0.03893 avoided energy cost.<sup>89</sup>

#### Avoided Generation Capacity Costs

The Commission identified four changes necessary to ensure Kentucky Power's avoided generation capacity cost is reasonable.

First, we modified the capacity price used in Kentucky Power's calculation of "Full Solar Output Shape Value". Kentucky Power's proposal estimated the capacity price

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<sup>87</sup> Joint Intervenors' Response to Staff's Second Request, Item 2, "A Regulator's Guidebook: Calculating the Benefits and Costs of Distributed Solar," [A Regulator's Guidebook: Calculating the Benefits and Costs of Distributed Solar Generation | Interstate Renewable Energy Council \(irecusa.org\)](#) at 23, "National Standard Practice Manual for Benefit-Cost Assessment of Distributed Energy Resources," <https://www.nationalenergyscreeningproject.org/national-standard-practice-manual/> at 4–6 and 4–7.

<sup>88</sup> Joint Intervenors' Response to Staff's Second Request, Item 2, "A Regulator's Guidebook: Calculating the Benefits and Costs of Distributed Solar," [A Regulator's Guidebook: Calculating the Benefits and Costs of Distributed Solar Generation | Interstate Renewable Energy Council \(irecusa.org\)](#) at 23.

<sup>89</sup> Based on Kentucky Power's modified Avoided Cost Model, the commercial avoided cost of energy is equal to the residential class.

using PJM Reliability Pricing Model (RPM) auction results of \$76.53/MW-day and \$140/MW-day for 2020/2021 and 2021/2022 delivery years, respectively.<sup>90</sup> Kentucky Power took the average of these results and rounded down to \$100/MW-day.<sup>91</sup> The Commission finds Kentucky Power's approach unreasonable because it reflects a short-term capacity value and relies upon an unjustified downward adjustment. In the January 13, 2021 Order in this proceeding, the Commission found that the avoided capacity rate in Kentucky Power's COGEN-SPP tariff should be Net CONE because the avoided capacity rates could be determined from publicly available documents and because Net CONE provided a market based capacity value specific to Kentucky Power's location.<sup>92</sup> The Commission finds that the capacity price should be replaced with the Net CONE values specified in Kentucky Power's COGEN-SPP Tariff an average of \$7.57/kW-month,<sup>93</sup> or \$249/MW-Day.<sup>94</sup> Net CONE reflects an approximate capacity market equilibrium and therefore better reflects long-term avoided capacity value.<sup>95</sup>

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<sup>90</sup> Kentucky Power's Response to KYSEIA's Second Request for Information (filed Sept. 30, 2020) (KYSEIA's Second Request), Item 1.

<sup>91</sup> Kentucky Power's Response to Commission Staff's Ninth Request for Information (filed Mar. 16, 2021) (Staff's Ninth Request), Item 23.

<sup>92</sup> January 13, 2021 Order at 100.

<sup>93</sup> January 13, 2021 Order, Appendix C at 9.

<sup>94</sup>  $\$7.57 \text{ \$/kW-mo} \times 1000 \text{ kW/MW} \times 1\text{yr}/365\text{days} \times 12\text{mo}/1\text{yr} = \$248.99/\text{MW-day}$

<sup>95</sup> The Commission notes that relying on short-term RPM auction results could result in prices being higher than Net CONE (i.e., market equilibrium). The fact that RPM auction results could be higher or lower than market equilibrium indicates that more advanced approaches could be used to estimate avoided generation capacity values. For example, linear interpretations could be made from current auction results to a forecasted market equilibrium in some time in the future. However, no such methodology was proposed or supported within the record. For this reason, the Commission relies on Net CONE as a reasonable estimate of avoided generation capacity cost.

Second, in Rebuttal testimony, Kentucky Power updated inputs to its avoided cost calculations. One such update reflected a lower capacity factor for rooftop solar photovoltaic (PV) systems. However, Kentucky Power did not update the capacity factor associated with the Full Solar Output Share Value. For consistency, the Commission makes an adjustment to the total annual MWh to reflect Kentucky Power's use of a rooftop facility capacity factor throughout the model.<sup>96</sup>

Third, Kentucky Power erred in estimating the \$/kWh of the "Full Solar Output Shape Value." The approach that Kentucky Power relied on multiplied the solar peak reduction by price to get a dollar value. Then the dollar value was divided by total annual MWh production to get \$/kWh.<sup>97</sup> However, the dollar value should be divided by exported annual MWh because dividing by total annual MWh production double counts the self-consumption portion of production.<sup>98</sup> To correct the error, an estimate of export was created using the typical customer consumption and solar production provided by Kentucky Power. The exported MWh was used in place of the total production MWh.

Lastly, after estimating the \$/kWh of avoided generation capacity for the Full Solar Output Shape Value, Kentucky Power adjusted the value by the "Net Metering Shape Discount." The Net Metering Shape Discount is an attempt to isolate the capacity-related

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<sup>96</sup> Consistent modifications were made to reflect residential and commercial capacity factors. Specifically, a capacity factor adjustment ( $0.2/0.1727 = 0.8635$ ) was multiplied by the total annual MWh.

<sup>97</sup> Vaughan Rebuttal Testimony, Exhibit AEV-R5.

<sup>98</sup> An alternative order of operations more clearly demonstrates the appropriateness of the exported MWh adjustment. Multiplying the solar peak reduction by net metering shape discount equals the discounted export capacity (a new variable that Kentucky Power did not explicitly specify). Multiplying the discounted export capacity by price which equals the dollar value. The dollar value then is correctly divided by exported, not total, annual MWh production to the appropriate \$/kWh. This demonstrates that Kentucky Power's approach of dividing by total production would be double counting the self-consumption portion of production (i.e., the numerator is export related, while the denominator would be total production creating an illogical \$/kWh).

value of export, by separating total production capacity into self-consumption and export-related production. Kentucky Power did not err in attempting to isolate the capacity related value of export, as it avoids double counting. However, Kentucky Power estimated the Net Metering Shape Discount using an average solar generation profile. To be consistent and align with how capacity costs are caused, Kentucky Power should have relied upon the summer solar generation profile. Kentucky Power relied upon the summer solar profile to calculate the peak reduction, which is based on PJM's summer 5 CPs, and should have also relied upon it to calculate the Net Metering Shape Discount.<sup>99</sup>

Based on the adjustments described above, the Commission finds the fair, just and reasonable avoided generation capacity cost to be \$0.02816.<sup>100</sup>

#### Avoided Transmission Capacity Costs

Kentucky Power utilized the same method for estimating avoided transmission capacity cost as it did for avoided generation capacity cost. For this reason, it suffers from similar shortcomings. Specifically, Kentucky Power's avoided transmission capacity cost does not incorporate forward-looking information or estimate resource value over the life of the facility. However, fewer adjustments are required to Kentucky Power's estimate of avoided transmission cost.

First, as discussed above, Kentucky Power erred in its estimate of the discounted solar output value within its Avoided Cost Model. Therefore, the Commission must make the same adjustment as was made to the avoided generation capacity cost estimate. Specifically, the total annual MWh production should be modified to reflect the exported

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<sup>99</sup> Vaughan Rebuttal Testimony, Exhibit AEV-R5.

<sup>100</sup> Based on Kentucky Power's modified Avoided Cost Model, the commercial avoided generation capacity cost is \$0.03549.

annual MWh production. As with generation, this avoids double counting the self-consumption portion of production in the calculation.

Lastly, while Net CONE represents the market equilibrium for capacity value, the avoided transmission capacity cost is estimated with historical data and represents present day avoided cost expectations.<sup>101</sup> Because Kentucky Power is planning to increase investment in its transmission system, we find that it is reasonable to estimate the net present value of the avoided transmission capacity cost value over a typical eligible generating facility life.<sup>102</sup>

Based on the adjustments described above, the Commission finds the fair, just and reasonable avoided transmission capacity cost to be \$0.01245.<sup>103</sup>

#### Avoided Ancillary Service Costs

In rebuttal testimony, Kentucky Power included an estimate of avoided ancillary services. Optimally, the value of ancillary services would be forward looking. However, the record in this case does not provide a clear escalation factor, or other approach. For this reason, the Commission accepts Kentucky Power's avoided ancillary services cost of \$0.00063 as proposed but expects additional support and development of this cost component in future cases.

#### Additional Avoided Cost Components

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<sup>101</sup> See Kentucky Power's response to KPCO\_R\_KYSEIA\_1\_3\_Attachment1.

<sup>102</sup> The NPV of the avoided transmission capacity cost was estimated using the 30-year risk free treasury yield (Direct Testimony of Adrien M. McKenzie (filed June 29, 2020) at 26, Figure AMM-3, and Exhibit AMM-6). Additionally, as the escalator in the NPV calculation, the Commission relied on Kentucky Power's shareholder presentation that claimed investors should expect a 5% average annual increase in rate base. See AG KUIC Hearing Ex. 1, page 79.

<sup>103</sup> Based on Kentucky Power's modified Avoided Cost Model, the commercial avoided transmission capacity cost is \$0.00798.



As discussed below, there are known and reasonably expected measurable avoided costs that Kentucky Power omitted, that, for reasons discussed below, the Commission finds their inclusion to result in a fair, just and reasonable export rate.

1. Avoided Distribution Capacity Costs

Kentucky Power erred in not including an avoided distribution capacity cost. As indicated in intervenor testimonies, avoided distribution capacity costs are a commonly quantified component because of the benefits that distributed generation provides on the distribution system.<sup>104</sup> For example, Joint Intervenor Witness Owen asserted that eligible customer-generators can reduce a utility revenue requirement by lowering its investment in additional distribution equipment thanks to reduced distribution congestion.<sup>105</sup> Kentucky Power's distribution system planning manual states, "[t]he (distribution) planner should also consider [distributed generation] as an alternative solution to mitigate projected overloads on the distribution system to defer more expensive capacity improvement projects."<sup>106</sup> It is clear that the potential for a distributed generation facility to provide capacity value is known within the Company. However, Kentucky Power failed to provide an estimate of or sufficiently investigate this value. During the hearing, Kentucky Power demonstrated that, not only does it not have any formal process for evaluating the benefit of distribution generation, it has not conducted any detailed research to investigate the existence or non-existence of costs that could be avoided

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<sup>104</sup> Direct Testimony of James Owen (filed Oct. 7, 2020) (Owen Direct Testimony) at 37; Rábago Supplemental Testimony at 21.

<sup>105</sup> Owen Direct Testimony at 28 and 32.

<sup>106</sup> Kentucky Power's Response to Commission Staff's Eighth Request for Information (Staff's Eighth Request) (filed Mar. 1, 2021), Item 14.

through distributed generators within the Kentucky Power service territory.<sup>107</sup> Therefore, Kentucky Power's exclusion of avoided distribution capacity costs appears to be based on the fact the Company did not do any assessment of the value, not that there is no value.

Because of Kentucky Power's error and the statutory requirements to provide a fair, just and reasonable dollar denominated bill credit, the Commission modified Kentucky Power's avoided transmission capacity cost to estimate an avoided distribution capacity cost. The modification of avoided transmission capacity costs is reasonable because Kentucky Power described the cost causation and allocation of transmission and distribution costs as being similar.<sup>108</sup> To estimate the avoided distribution capacity cost, the Commission scaled Kentucky Power's modified avoided transmission capacity cost by both rate base and deferrable distribution scalars. The rate base was used to reflect the larger investment in distribution as compared to transmission. The deferrable distribution scalar is the proportion of primary distribution over total distribution rate base, which decreases the avoided cost to more accurately reflect distribution costs that would be targeted for deferral or avoidance (i.e., primary distribution equipment and substations).

Based on the approach described above, the Commission finds the fair, just and reasonable avoided distribution capacity cost to be \$0.01046.<sup>109</sup>

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<sup>107</sup> April 6, 2021 HVT at 2:50:16–2:57:01.

<sup>108</sup> April 7, 2021 HVT at 11:46:21, 11:47:36, and 11:49:22. While Kentucky Power explained transmission and distribution systems to be partially caused by annual peaks, the Commission notes that this is not consistent with how either system is allocated to customers.

<sup>109</sup> The commercial avoided distribution capacity cost is \$0.00671.

## 2. Avoided Carbon Cost

Kentucky Power erred in not including an avoided carbon cost within the NMS II export rate. Kentucky Power considers, weighs and plans around the cost and intensity of carbon emissions when conducting system resource planning within its integrated resource plan (IRP).<sup>110</sup> An IRP is a planning document developed by an electric utility and submitted for Commission review to evaluate and plan generation and system resources for a forecasted 15-year period. In accordance with 807 KAR 5:058, an IRP is conducted on a regular and recurring basis to assess whether a utility has sufficient resources to meet future demand with an adequate and reliable supply of electricity while satisfying all related state and federal laws and regulations.

The anticipation of climate legislation in the IRP evidences that avoiding carbon emissions impacts Kentucky Power's concerns and consideration in studying resource procurement and environmental compliance plans.<sup>111</sup> Additionally, Kentucky Power's lack of fuel diversity is a risk factor that impacts its cost of capital, a cost reflected in customers' rates.<sup>112</sup> Therefore, increasing Kentucky Power's fuel diversity could improve the cost of capital and lower financing cost for the Company, which would likely be passed

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<sup>110</sup> Case No. 2019-00443, *Electronic 2019 Integrated Resource Planning Report of Kentucky Power Company* (filed Dec. 20, 2019) at 8. According to Kentucky Power's IRP, "[t]he Fundamentals Forecast employs a CO2 dispatch burden (adder) on all existing fossil fuel-fired generating units that escalates 3.5% per annum from \$15 per ton commencing in 2028. This CO2 dispatch burden is a proxy for the many pathways CO2 may take (e.g., renewables subsidies/penetration, voluntary and mandatory portfolio standards, exceptionally low natural gas prices, considerable reduction in battery storage costs) in addition to any regulation to impose fees on the combustion of carbon-based fuels."

<sup>111</sup> *Id.*

<sup>112</sup> See Kentucky Power's Response to Attorney General/KIUC's First Request for Information (Attorney General/KIUC's First Request) (filed Aug.26, 2020), Item 79, Attachment 6 at 5.

onto to ratepayers through rates.<sup>113</sup> For these reasons, eligible generating facilities under NMS II should receive export compensation that includes an avoided carbon cost component.

To estimate an avoided carbon cost, the Commission relied upon inputs and results from Kentucky Power's own resource planning model runs and financial testimony. Specifically, the Commission relied upon the results from the Case 1 Base Band Commodity Pricing and Allowance Market Pricing Optimal Plan scenario from Kentucky Power's most recent IRP.<sup>114</sup> Because an appropriate discount rate was not justified in the record of this rate case, the Commission relied upon Kentucky Power's stated discount rate within its IRP. In future proceedings, the Commission directs Kentucky Power to file a robust approach, consistent with its IRP, to estimate the avoided carbon cost component.

Based on the approach described above, the Commission finds the fair, just and reasonable avoided carbon cost to be \$0.00578.<sup>115</sup>

### Environmental Compliance

Similar to its considerations for carbon pricing, Kentucky Power considers the costs of compliance with federal and state environmental regulations when conducting system resource planning in its IRP.<sup>116</sup> For the same reasons discussed above in Kentucky Power's failure to include avoided carbon costs in the NMS II export rate, the

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<sup>113</sup> *Id.*

<sup>114</sup> Case No. 2019-00443, *Electronic 2019 Integrated Resource Planning Report of Kentucky Power Company* (filed Dec. 20, 2019) at 216.

<sup>115</sup> The commercial avoided carbon cost is equal to the residential class.

<sup>116</sup> Case No. 2019-00443, *Kentucky Power Company*, IRP at 42–51.

Commission finds that Kentucky Power erred in not including an avoided environmental compliance cost estimate within the NMS II export rate.

Because Kentucky Power did not include an avoided environmental compliance cost in its proposal, the Commission finds that it is reasonable to take administrative notice of the case record in Case No. 2021-00004,<sup>117</sup> Kentucky Power's pending environmental compliance proceeding, and to make an adjustment to the NMS II export rate based upon the known and reasonably expected measurable costs contained in this case and the case record in Case No. 2021-00004 regarding Kentucky Power's environmental compliance costs. The Commission further finds that it is reasonable to determine the avoided environmental compliance costs to be included in the NMS II export rate by spreading the Mitchell Power Plants compliance costs over an estimated level of generation.<sup>118</sup>

Based on the approach described above, the Commission finds the fair, just and reasonable avoided environment compliance cost to be \$0.00105.<sup>119</sup>

### Jobs Benefits

Kentucky Power's net metering export rate did not account for the jobs or economic benefit provided by eligible customer-generators, including their maintenance and

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<sup>117</sup> Case No. 2021-00004, *Electronic Application of Kentucky Power Company for Approval of a Certificate of Public Convenience and Necessity for Environmental Project Construction at the Mitchell Generating Station, An Amended Environmental Compliance Plan, and Revised Environmental Surcharge Tariff Sheets* (filed Feb. 8, 2021).

<sup>118</sup> See Case No. 2021-00004, *Kentucky Power Company*, Direct Testimony of Brian D. Sherrick. The estimated generation was calculated using Kentucky Power's forecasted capacity factors.

<sup>119</sup> The commercial avoided environmental compliance cost is equal to the residential class.

installation. Intervenors argued that net metering can boost economic development<sup>120</sup> and that there is reason to evaluate incremental job impacts,<sup>121</sup> but they offered no quantification or proposed methodology for quantifying this benefit. Given the unique economic circumstances in Kentucky Power's service territory, the Commission concludes that including the incremental economic impact from installing eligible generating facilities may be warranted. The Commission has previously considered the economic benefit of rate proposals, including their ability to induce incremental job impacts.<sup>122</sup> However, without sufficient evidence on which to base a decision and with the limited penetration of eligible customer-generators in Kentucky Power's service territory at this time and the record, the Commission cannot make a finding of fact regarding this issue in this proceeding. The Commission directs Kentucky Power to evaluate job benefits and economic development as an export rate component for Kentucky Power's next rate case filing.

#### Federal Energy Regulatory Commission (FERC) Order No. 2222

On September 17, 2020, FERC issued Order No. 2222 (Order 2222) with the goal of increasing participation of distributed energy resources (DER), such as eligible customer-generators, in the organized wholesale power markets run by regional grid operators, such as PJM.<sup>123</sup> Order 2222 allows DERs to participate in regional wholesale

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<sup>120</sup> Inskeep Direct Testimony at 7.

<sup>121</sup> Rábago Supplemental Testimony at 23.

<sup>122</sup> See Administrative Case No. 327, *An Investigation into the Implementation of Economic Development Rates by Electric and Gas Utilities* (Ky. PSC Sept. 24, 1990), Order at unnumbered page 1. The Commission noted that an economic development rate, which many utilities have implemented over the decades, "is intended to stimulate the creation of new jobs and capital investment."

<sup>123</sup> FERC Order No. 2222: A New Day for Distributed Energy Resources, [FERC Order No. 2222: Fact Sheet | Federal Energy Regulatory Commission](#).

power markets through aggregation of resources. FERC has jurisdiction over regional wholesale power markets and the criteria for market participation. Under Order 2222, state authorities retain jurisdiction over the interconnection of individual DERs that participate in wholesale power markets through a DER aggregator.

Order 2222 reflects a risk to Kentucky Power if an eligible customer-generator chooses to participate in wholesale power markets, instead of state programs like net metering. Participation in wholesale power markets by DER aggregators is likely to increase the cost to serve such customers due to additional system costs to accommodate bidirectional flow of energy and operational control to avoid system instability.<sup>124</sup> Because DERs participating in the wholesale power markets will be more costly to serve,<sup>125</sup> and many costs may not be apparent at the time of interconnection, paying more to eligible customer-generators under NMS II may incentivize DERs to not participate in wholesale power markets and only participate in state-sponsored programs, which would be a net benefit to the system. Although the Commission did not include that net benefit in the compensation rate in this proceeding, Kentucky Power is on notice that it may be included in a future net metering rate proceeding.

#### NMS II Export Rate

Based on the adjustments and additions noted above, the schedule below displays the Commission's Order NMS II export rate.

<b>Residential NMS II Export Rate</b>	
Energy	\$0.03893
Ancillary Services	\$0.00063
Generation Capacity	\$0.02816

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<sup>124</sup> April 6, 2021 HVT at 5:36:47.

<sup>125</sup> *Id.*

Transmission Capacity	\$0.01245
Distribution Capacity	\$0.01046
Carbon cost	\$0.00578
Environmental Compliance Cost	\$0.00105
Job benefits	-
<b>NMS Price for Excess Gen</b>	<b>\$0.09746</b>

Commercial Net Metered Customers

A similar analysis based upon the principle of compensation for customer generation was conducted for the commercial net meter customers. In other words, the Commission finds that the analysis applied to the avoided energy rate, ancillary services, generation capacity, transmission capacity, distribution capacity, carbon cost, and other environmental compliance costs to be reasonable and results in a rate of \$0.09657.

<b>Commercial NMS II Export Rate</b>	
Energy	\$0.03893
Ancillary Services	\$0.00063
Generation Capacity	\$0.03549
Transmission Capacity	\$0.00798
Distribution Capacity	\$0.00671
Carbon cost	\$0.00578
Environmental Compliance Cost	\$0.00105
Job benefits	-
<b>NMS Price for Excess Gen</b>	<b>\$0.09657</b>

Distribution Energy Resource Compensation and Integration

As noted in this proposal and other Kentucky Power filings, distributed energy resources are increasing in number and capacity.<sup>126</sup> However, penetration levels of solar PV, in particular, are still at *de minimis* levels. Kentucky Power’s testimony framed the increases in solar PV as an operational challenge, while intervenors have demonstrated that solar PV provides an opportunity to integrate a new resource onto the power system.

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<sup>126</sup> Apr. 7, 2021 HVT at 10:11:45, 10:31:35, 2:20:12, and 4:47:14; Case No. 2019-00443, IRP at 56–59, 90–91.



The Commission acknowledges that solar PV and other eligible generating facilities may, at some point in the future, create system challenges, but currently the Commission sees an opportunity to begin processes that will comprehensively integrate solar PV and other resources into the power system and provide significant benefits to ratepayers; participating and non-participating alike.

Pricing and compensation for solar PV is a critical component in this larger goal of comprehensively integrating eligible generating facilities and other distributed energy resources (DER). Incrementally altering compensation for solar PV while penetrations continue to be low will allow for market development and likely lead to the creation of local jobs. At the same time, a commitment to incremental compensation changes will allow utilities the time required to develop more sophisticated planning practices that will lead to more cost-effective integration and proactively minimize operational challenges. For example, utilities can begin comprehensively implementing IEEE 1547-2018. As utility planning and DER integration becomes more sophisticated, so too, will compensation approaches.

Additionally, the Commission must ensure that customers have fair, just and reasonable rate and service choices in the future. With advances in planning and technology, such as Automated Metering Infrastructure, utilities and third parties will likely be able to offer an ever-expanding suite of energy related services, such as time-of-use rates, smart electric vehicle charging, and demand response products. Committing to gradual compensation changes will provide customers and third parties with confidence to operate in Kentucky and, with improved integration, create significant benefits for all ratepayers.

### Future Filing Requirements

As described above, the Commission has amended Kentucky Power's NMS II export rate calculation in several ways to better reflect the value of eligible customer-generators to the utility's power system. In future net metering tariff filings, the Commission directs Kentucky Power to explain how future distributed energy resource compensation, including net energy metering, tariffs adhere to the Commission's principles set forth above.

In future net metering tariff filings, while the Commission will not require Kentucky Power to adhere to a prescribed methodological approach, the Commission directs Kentucky Power to (1) explain how its proposal adheres to the principles set forth above and (2) include in export rates, at a minimum, the cost components within the instant order. Furthermore, prioritizing simplicity for ratepayers is essential, but as penetrations grow, underlying retail rates and netting periods may increase in complexity.

### Collecting Avoided Cost Payments Through Tariff PPA

The Commission finds that it is reasonable for Kentucky Power to collect through its PPA the avoided cost payments or credits made to customers under NMS II because the payments are a purchased power expense for net energy exported to the grid under NMS II.

### NMS II Legacy Customers

In light of the provision established by the legislature for existing net metering customers in KRS 278.466(6), the Commission is persuaded by Joint Intervenors' and KYSEIA's witnesses' arguments that eligible customer-generators who take service under NMS II should have legacy protections in place. For the reasons set forth below,

the Commission finds that eligible customer-generators who take service under NMS II should be allowed to take service under the current two-part rate structure<sup>127</sup> and netting period for 25 years. As noted above, the legislature determined that there should be some allowance for customer expectation of and reliance on existing rate structures when the eligible generating facility was placed in service. This is especially so given the 25-year expected useful life of current eligible generating facilities. Legacy provisions mitigate the negative financial impact that changes in rate design may have on an eligible customer-generator who invested in an eligible generating facility. The 25-year legacy period for NMS II customers balances Kentucky Power's need to adapt to changing circumstances, such as increased penetration levels, with the needs of existing eligible customer-generators who made a long-term investment in eligible generating facilities.

#### Impact of Material Changes to a Legacy Eligible Generating Facility

As discussed above, Kentucky Power proposed to require legacy customers, as defined in KRS 278.466(6), to file a new application if those customers made a material change to an existing eligible generating facility prior to the effective date of the Order approving NMS II. Kentucky Power defined a material change to include adding battery storage or generating capacity through a facility expansion. Under this proposal, eligible generating facilities would lose the legacy status established in KRS 278.466(6), and thus customers who owned eligible generating facilities would no longer take service under NMS I, with the one-to-one export rate, and would have to take service under NMS II, with the lesser export rate.

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<sup>127</sup> This legacy status is for the rate *structure* only. The Commission is not making any determination as to the appropriate rate amount, such as continuing to charge NMS II customers the same customer charge and kWh charges as non-participating customers.

In contrast, Joint Intervenors and KYSEIA argued that a material change, whether battery storage or additional capacity, should not impact the legacy status of an eligible generating facility so long as it remained under the statutory cap on facility size.

KRS 278.466 is silent as to the impact of material changes to the eligible generating facility on the legacy status of that facility. However, the interconnection and net metering guidelines approved by the Commission in Administrative Case No. 2008-00169, provided that, absent written permission by a utility, increases in generating facility capacity will require a new application for interconnection and net metering.

Consistent with the provisions in Case No. 2008-00169 previously determined to be reasonable, the Commission finds that any modification or installation that materially increases the capacity of an eligible generating facility should be evaluated on the same basis as any other new application. Thus, we further find that if a customer's modification of their eligible generating facility results in a material increase in capacity, then that customer will no longer be eligible to take service under the NMS I tariff. We also find that replacement of eligible generating facilities in the ordinary course that result in only an incidental increase in capacity should not trigger a change in NMS I legacy status. Finally, because the addition of battery storage does not increase the capacity of an eligible generating facility, we find that adding battery storage to an eligible generating facility should not trigger a change in NMS I legacy status.

#### Initiating Date for Legacy Customers per KRS 278.466(8)

The Commission is not persuaded by Kentucky Power's assertion that the plain language of KRS 278.466(6) established that the 25-year legacy period began to run as of the initial date the eligible generating facility was placed in service. We conclude that

Kentucky Power's reading of the statute is too narrow and is incongruous to the statutory language that the tariff provisions, including one-to-one export rate, remain in effect for a 25-year period. The language of KRS 278.466(6) points to the triggering event that starts the 25-year legacy period as the effective date of a net metering successor rate. Had the legislature intended a shorter period than 25 years, it would have expressly tied the triggering event to in service date of the eligible facility. Further, while section and subsection titles in the Kentucky Revised Statutes are not law,<sup>128</sup> they are instructive. Here, this subsection is titled, "[t]wenty-five year cap on preexisting net metering tariff provisions." For the above reasons, the Commission finds that the 25-year legacy period established in KRS 278.466(6) begins to run as of the effective date of a Commission Order establishing a net metering successor rate. Here, the effective date of NMS I is the effective date of this Order.

#### Status of Pending Applications

The parties raised the issue whether customers with net metering applications that were pending prior to the effective date of an Order approving NMS II were eligible to take service under NMS I or NMS II, regardless of whether or not the facility was installed and operating by that date. The express language of KRS 278.466(6) states that customers with an "eligible electric generating facility in service prior to the effective date of the initial net metering order by the commission" are eligible to take service under the tariff in place when "the eligible customer-generator began taking net metering service." Based on the plain language of KRS 278.466(6), the Commission finds that the eligible generating facility must be in service prior to the effective date of the Commission's approval of NMS

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<sup>128</sup> KRS 446.140. KRS 355.1-107 provides an exception for the Uniform Commercial Code (UCC), in which section and subsection titles are part of the UCC.

It is in order for the eligible customer-generator to be eligible to take service under NMS I. Here, that date is the effective date of this Order.

### Application Fees

As discussed above, Kentucky Power proposed the following NMS II fee structure of \$150 for Level 1 and Level 2 net metering applications, and, for Level 2 initial impact study, the customer would pay all reasonable costs, which could be up to \$15,000. The NMS I fee structure will remain at current levels, with no fee for Level 1 net metering applications, \$50 for Level 2 net metering applications, and a cap of \$1,000 for Level 2 initial impact studies.

Kentucky Power's proposed NMS II fee structure exceeds the limits on net metering application and initial impact study fees imposed in Case No. 2008-00169, which are as follows:

- Level 1: no application fees or initial impact study fees
- Level 2: application fee up to \$100; reasonable costs up to \$1,000 for an initial impact study

A Commission Order continues in force "until the expiration of time, if any, named by the commission in the order, or until revoked or modified by the commission," or if the order is suspended or vacated, in whole or in part, by a court order.<sup>129</sup> Here, the January 8, 2009 Order in Case No. 2008-00169 has not expired, been revoked, or been modified. Nor has that Order been suspended or vacated, in whole or in part, by a court order. Thus, the January 8, 2009 Order remains in effect and governs the fees that can be charged for net metering applications and initial impact studies.

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<sup>129</sup> KRS 278.390.

Kentucky Power did not request to deviate from the fee schedule established in Case No. 2008-00169. Similarly, Kentucky Power failed to provide the specific cost justification, with all supporting documentation necessary to determining the reasonableness of the proposed NMS II fees, as required by 807 KAR 5:006, Section 9, and 807 KAR 5:001, Section 10. In responses to Commission's Staff's three separate data requests to provide the cost of the initial impact study, Kentucky Power declined to provide specific cost support for the initial impact study, stating that it did not track the individual costs, and thus could not provide a specific cost justification for the initial impact study.<sup>130</sup> Instead, Kentucky Power filed estimated costs of \$15,000 to perform an initial impact study in response to a post-hearing data request, noting that the costs will "depend on the individuals involved in the study and the complexity of the study."<sup>131</sup> Similarly, Kentucky Power did not file any specific cost support to justify the increased application fee. For the reasons discussed above and being otherwise sufficiently advised, the Commission finds that Kentucky Power failed to meet its burden of proof that Level 1 and Level 2 net metering application fees and the initial impact study fee proposed for NMS II are fair, just and reasonable, and therefore should be denied. The Commission further finds that the following fees are consistent with the fee amounts approved in Case No. 20018-00169, and therefore are fair, just and reasonable, and should be approved for NMS II: Level 1 net metering application, no fee; Level 2 net metering application, \$100

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<sup>130</sup> Kentucky Power's Response to Staff's Ninth Request, Item 9; Kentucky Power's Response to Staff's Tenth Request, Item 1; and Kentucky Power's Response to Staff's NMS Post-Hearing Request, Item 4.

<sup>131</sup> Kentucky Power's Response to Staff's NMS Post-Hearing Request, Item 8.

fee; Level 2 initial impact study, the customer shall be responsible for any reasonable costs up to \$1,000.

IT IS THEREFORE ORDERED that:

1. The rates and charges proposed by Kentucky Power in Tariff NMS II are denied.

2. The rates and charges for Kentucky Power's Tariff NMS II, as set forth in Appendix A to this Order, are fair, just and reasonable rates, and these rates are approved for service rendered on and after May 15, 2021.

3. Kentucky Power's Tariff NMS II shall be modified as described in this Order.

4. Kentucky Power's Tariff NMS I is approved.

5. Kentucky Power shall refund to or collect from customers all amounts collected between January 14, 2021, and May 14, 2021, in excess of or less than the Tariff NMS II rates approved in this Order.

6. Within 30 days of the date of this order, Kentucky Power shall file with the Commission its proposed plan for refunding all amounts collected in excess of the Tariff NMS II rates approved in this Order.

7. Within 20 days of the date of this Order, Kentucky Power shall file with the Commission, using the Commission's electronic Tariff Filing System, new tariff sheets setting forth the rates, charges, and modifications approved or as required herein and reflecting their effective date and that they were authorized by this Order.

8. This case is now closed and removed from the Commission's docket.



By the Commission

ENTERED  
MAY 14 2021 rcs  
KENTUCKY PUBLIC  
SERVICE COMMISSION

ATTEST:

  
\_\_\_\_\_  
Executive Director

Case No. 2020-00174

APPENDIX A

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE  
COMMISSION IN CASE NO. 2020-00174 DATED MAY 14 2021

The following rates and charges are prescribed for the customers in the area served by Kentucky Power Company. All other rates and charges not specifically mentioned herein shall remain the same as those in effect under the authority of this Commission prior to the effective date of this Order.

TARIFF N.M.S. II  
NET METERING SERVICE II

All excess customer generation, accumulated for the billing period, shall be credited for each month.

Residential	\$0.09746 per kWh
Commercial	\$0.09657 per kWh

APPENDIX B

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE  
COMMISSION IN CASE NO. 2020-00174 DATED MAY 14 2021

<https://psc.ky.gov/pscscf/2020%20cases/2020-00174/appndx/2020-00174%20KYPSC%20Kentucky%20Power%20NEM%20Analysis%20-%20PUBLIC.xlsx>

Please note that the final rates are found at the following tabs in the Excel file:

Residential: Excess Gen Price Mod

Commercial: Excess Gen Price Comm

**Modified Exhibit AEV - R5 NMS II Updated Avoided Cost Rate Residential  
NMS II Excess Generation Pricing -Residential**

**Inputs**

Cogen Monthly Capacity Cost	\$7.57	kW/month	90.88 kw/year	Cogen Capacity Credit	
Daily Capacity Cost	248.99	MW/day		20/21	\$6.74
Initial capacity factor	0.2			21/22	\$8.09
Updated capacity factor	0.1727			22/23	\$7.89
Capacity factor adjustment	0.8635				
Initial annual MWh	38,460	MWh			
Environ comp adj	0.05				
Export Adjustment Resi	49.06%				
Export Adjustment Comm	53.82%				

*Proposed Calculation:*

Full Solar Output Shape Value From Example Solar Plant					
	<i>Estimate export annual MWh from solar plant:</i>				16,292
	Solar Pk Reduction MW	Price	\$ Value	\$/kWh Price	
G Capacity	9.55	\$	249	\$	867,948
T Avoided Cost	5.51	\$	93,001	\$	512,132

**Net Metering Shape Discount**

Gen Capacity	Using Summer Profile	52.85%	0.02816
T Avoided Cost		21.48%	0.00675

**Cogen SPP Energy**

	\$/kWh
On Pk	0.03893
Off Pk	
Solar	0.03893

**NMS II Export Rate**

Energy	\$	0.03893
Ancillary Services	\$	0.00063
G Capacity	\$	0.02816
T Capacity	\$	0.01245
D Capacity	\$	0.01046

**Order of operations: generation capacity calculation**

Full Solar Output Shape Value From Example Solar Plant

					16,292
				Estimate export annual MWh from solar plant:	
				Solar Pk Reduction M NEM discount Export MW	Price
G Capacity	9.55	52.85%	5.05	\$	249
Operations	a	b	a*b=c		d

Net Metering Shape Discount

Gen Capacity	Using Summer Profile	52.85%	0.02816
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\$ Value	\$/kWh Price	
\$458,716	0.02816	<i>same number - different order of operations</i>
c*d	e	

Source: KPCO\_Exhibits\_JMS-SR1 and JMS\_SR2

**Distribution & Comp. Const. not Classif.**

		DIST_CPD	DISTPRI	7,866,118
360 Land anc	7,866,118	DIST_CPD	TOTAL	7,866,118
		DIST_CPD	DISTPRI	6,899,650
361 Structure	6,899,650	DIST_CPD	TOTAL	6,899,650
		DIST_CPD	DISTPRI	126,872,130
362 Station E	126,872,130	DIST_CPD	TOTAL	126,872,130
363 Storage l	-	DIST_CPD	TOTAL	-
		DIST_POLES	DISTPRI	135,758,626
		DIST_POLES	DISTSEC	101,374,804
364 Poles	237,133,430	DIST_POLES	TOTAL	237,133,430
		DIST_OHLINES	DISTPRI	219,442,876
		DIST_OHLINES	DISTSEC	42,974,470
365 Overhea	262,417,346	DIST_OHLINES	TOTAL	262,417,346
		DIST_UGLINES	DISTPRI	6,184,131
		DIST_UGLINES	DISTSEC	1,376,174
366 Undergr	7,560,305	DIST_UGLINES	TOTAL	7,560,305
		DIST_UGLINES	DISTPRI	9,696,779
		DIST_UGLINES	DISTSEC	2,157,854
367 Undergr	11,854,633	DIST_UGLINES	TOTAL	11,854,633
		DIST_TRANSF	DISTPRI	29,431,751
		DIST_TRANSF	DISTSEC	113,279,892
368 Transfor	142,711,644	DIST_TRANSF	TOTAL	142,711,644
		DIST_SERV	CUSTOMER	66,236,429
369 Services	66,236,429	DIST_SERV	TOTAL	66,236,429
		DIST_METERS	CUSTOMER	25,229,878
370 Meters	25,229,878	DIST_METERS	TOTAL	25,229,878
		DIST_OL	CUSTOMER	18,637,645
371 Installati	18,637,645	DIST_OL	TOTAL	18,637,645
		DIST_SL	CUSTOMER	4,366,835
373 Street Liq	4,366,835	DIST_SL	TOTAL	4,366,835
			<b>DISTPRI</b>	542,152,062
			<b>DISTSEC</b>	261,163,194
			<b>CUSTOMER</b>	114,470,787
<b>Total</b>	<b>917,786,043</b>		<b>TOTAL</b>	<b>917,786,043</b>

Benefit	Scalar	59.07%
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**Transmission**

**TOTAL 645,397,517**

Investment	Scalar	142.20%
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**Modified Exhibit AEV - R5 NMS II Updated Avoided Cost Rate Residential  
Example of Typical Customer and Typical Solar Install**

Hour of the Day		Typical Res Customer	Typical NMS Solar System	Typical Solar	Summer Peak 5CP	Summer Peak 5CP	Summer Peak 5CP	12 CP	12 CP	12 CP	
<i>begin</i>	<i>end</i>	kWh/Month	kW-ICAP	Net Excess Gen	Excess %	Hours wt	Wtd Hours Excess	Excess %	Hours Wt	Hours Wt Wtd Excess Gen %	
midnight	1 AM	42	-	-							
1	2 AM	41	-	-							
2	3 AM	41	-	-							
3	4 AM	41	-	-							
4	5 AM	44	-	-							
5	6 AM	49	-	-							
6	7 AM	49	-	-							
7	8 AM	49	5	-			0%		36%	0%	
8	9 AM	51	27	-			0%		8%	0%	
9	10 AM	50	67	17			25%		3%	1%	
10	11 AM	51	106	55							
11	12 AM	52	133	81							
12	1 PM	53	145	92							
1	2 PM	55	148	93					63%	3%	2%
2	3 PM	58	146	88	60%	5%	3%	60%	6%	3%	
3	4 PM	60	133	72	55%	15%	8%	55%	6%	3%	
4	5 PM	62	105	43	41%	70%	29%	41%	31%	12%	
5	6 PM	62	67	5	7%	10%	1%	7%	3%	0.20%	
6	7 PM	61	28	-				0%	3%	0%	
7	8 PM	61	6	-				0%	3%	0%	
8	9 PM	60	-	-							
9	10 PM	55	-	-							
10	11 PM	49	-	-							
11	midnight	45	-	-							
		1,240	1,114	547		1	40.46%		1	21.48%	
				49.06%							

NMSII	Avg Monthly kWh
Net Billing kWh	648
Net Excess Gen	547
Netted kWh	592
NMS II vs Standard kWh	0.523
Typical NMS billable kWh	126



**Modified Exhibit AEV - R5 NMS II Updated Avoided Cost Rate Residential**  
**Example of Typical Customer and Summer Solar Install**

Hour of the Day		Typical Res Customer	Typical NMS Solar System	Typical Solar	Summer Peak 5CP	Summer Peak 5CP	Summer Peak 5CP	12 CP	12 CP	12 CP
<i>begin</i>	<i>end</i>	1240	8.84	Net Excess Gen	Excess %	Hours wt	Wtd Hours Excess	Excess %	Hours Wt	Hours Wt Wtd Excess Gen %
		kWh/Month	kW-ICAP							
midnight	1 AM	42	-	-						
1	2 AM	41	-	-						
2	3 AM	41	-	-						
3	4 AM	41	-	-						
4	5 AM	44	-	-						
5	6 AM	49	-	-						
6	7 AM	49	0	-						
7	8 AM	49	13	-				0%	36%	0%
8	9 AM	51	47	-				0%	8%	0%
9	10 AM	50	92	42				45%	3%	1%
10	11 AM	51	131	80						
11	12 AM	52	152	101						
12	1 PM	53	168	115						
1	2 PM	55	172	117				68%	3%	2%
2	3 PM	58	168	110	66%	5%	3%	66%	6%	4%
3	4 PM	60	155	95	61%	15%	9%	61%	6%	3%
4	5 PM	62	131	69	53%	70%	37%	53%	31%	16%
5	6 PM	62	97	35	36%	10%	4%	36%	3%	1%
6	7 PM	61	52	-				0%	3%	0%
7	8 PM	61	16	-				0%	3%	0%
8	9 PM	60	1	-						
9	10 PM	55	-	-						
10	11 PM	49	-	-						
11	midnight	45	-	-						
		1,240	1,396	764		1	52.85%		1	27.26%
						seasonal ad	30.62%			26.89%

NMSII	Avg Monthly kWh
Net Billing kWh	606
Net Excess Gen	764
Netted kWh	634
NMS II vs Standard kWh	0.489
Typical NMS billable kWh	(156)

# Utility Scale (20 MW) Fixed Tilt Solar Profile Eastern KY

S

Row Labels	Average of Solar Gen	Begin	End	Shape %	Row Labels
0	(0.05)	11	midnight		0
1	(0.05)	M	1 AM		1
2	(0.05)	1	2 AM		2
3	(0.05)	2	3 AM		3
4	(0.05)	3	4 AM		4
5	(0.05)	4	5 AM		5
6	(0.03)	5	6 AM		6
7	0.49	6	7 AM	0.004629263	7
8	2.52	7	8 AM	0.02384626	8
9	6.36	8	9 AM	0.060122721	9
10	10.06	9	10 AM	0.095012766	10
11	12.63	10	11 AM	0.11928497	11
12	13.74	11	12 AM	0.129828152	12
13	14.02	12	1 PM	0.132408287	13
14	13.86	1	2 PM	0.13093871	14
15	12.59	2	3 PM	0.118919184	15
16	9.98	3	4 PM	0.094308407	16
17	6.39	4	5 PM	0.060371713	17
18	2.67	5	6 PM	0.025177824	18
19	0.55	6	7 PM	0.005151744	19
20	(0.01)	7	8 PM		20
21	(0.05)	8	9 PM		21
22	(0.05)	9	10 PM		22
23	(0.05)	10	11 PM		23
<b>Grand Total</b>	<b>4.39</b>				<b>Grand Total</b>
	105.85				



**Summer profile (Ref. KYSEIA\_1\_3\_Attachment1**

Average of Solar Gen	Begin	End	Shape %
(0.05)	11	midnight	
(0.05)	M	1 AM	
(0.05)	1	2 AM	
(0.05)	2	3 AM	
(0.05)	3	4 AM	
(0.05)	4	5 AM	
0.03	5	6 AM	0.0003196
1.25	6	7 AM	0.011795588
4.46	7	8 AM	0.042120954
8.71	8	9 AM	0.082262411
12.42	9	10 AM	0.117296236
14.46	10	11 AM	0.136608564
15.95	11	12 AM	0.150699677
16.34	12	1 PM	0.154392723
15.99	1	2 PM	0.151032099
14.72	2	3 PM	0.139037253
12.48	3	4 PM	0.117914806
9.21	4	5 PM	0.086986816
4.97	5	6 PM	0.0469694
1.49	6	7 PM	0.014046587
0.12	7	8 PM	0.001099284
(0.05)	8	9 PM	
(0.05)	9	10 PM	
(0.05)	10	11 PM	
<b>4.39</b>			
132.44			

Utility Scale Solar Project Summary Information - Used in NMS II Pricing Development

Hour End	Begins	Ends	AM/PM	Jun/July/Aug 5CP	Jan/Feb Winter NSPL	September 5&12 CP	Bal of Year 12CPs
0		11 midnight		(0.05)	(0.05)	(0.05)	(0.05)
1	midnight		1 AM	(0.05)	(0.05)	(0.05)	(0.05)
2		1	2 AM	(0.05)	(0.05)	(0.05)	(0.05)
3		2	3 AM	(0.05)	(0.05)	(0.05)	(0.05)
4		3	4 AM	(0.05)	(0.05)	(0.05)	(0.05)
5		4	5 AM	(0.05)	(0.05)	(0.05)	(0.05)
6		5	6 AM	0.03	(0.05)	(0.05)	(0.04)
7		6	7 AM	1.25	(0.05)	0.28	0.31
8		7	8 AM	4.46	0.10	3.33	2.36
9		8	9 AM	8.71	2.91	7.54	6.31
10		9	10 AM	12.42	6.58	10.97	10.00
11		10	11 AM	14.46	9.27	13.89	12.76
12		11	12 AM	15.95	10.58	15.28	13.66
13		12	1 PM	16.34	11.22	14.74	13.79
14		1	2 PM	15.99	11.52	15.18	13.59
15		2	3 PM	14.72	10.64	14.32	12.21
16		3	4 PM	12.48	8.35	11.16	9.36
17		4	5 PM	9.21	4.77	7.44	5.63
18		5	6 PM	4.97	0.94	2.75	2.15
19		6	7 PM	1.49	(0.05)	0.16	0.30
20		7	8 PM	0.12	(0.05)	(0.05)	(0.05)
21		8	9 PM	(0.05)	(0.05)	(0.05)	(0.05)
22		9	10 PM	(0.05)	(0.05)	(0.05)	(0.05)
23		10	11 PM	(0.05)	(0.05)	(0.05)	(0.05)
<b>Grand Total</b>			<b>daytime</b>	<b>8.84</b>	<b>5.11</b>	<b>7.80</b>	<b>6.82</b>
			<i>KPCo</i>	<i>5.51</i>	<i>3.18</i>	<i>4.85</i>	<i>4.25</i>

Initial KYPo Estimates	
Winter Peak Avg	1.50
Summer	9.55
Weighted	5.53 <i>50/50 Historic split of N</i>
Average SCP reduction	9.55
Average NSPL Reduction	5.71
Average 12 CP reduction	5.51
AEP Zone T Loss Factor	1.034126

PJM Summer 5CPs Hour Ending					
2018	17.00	17	17	17	17
2017	18.00	17	17	17	18
2016	16.00	16	16	17	17
2015	17.00	17	17	17	15

SCP Reduction Weighting		
HE	Count	Weight
15	1	5.0%
16	3	15.0%
17	14	70.0%
18	2	10.0%
	20	1

AEP Zone 12CP Hour Analysis						
Month	Year 2016	Peak Reduction	Year 2017	Peak Reduction	Year 2018	Peak Reduction
Jan	8	0.10	8	0.10	8	0.10
Feb	8	0.10	8	0.10	9	2.91
Mar	8	2.36	8	2.36	8	2.36
Apr	8	2.36	9	6.31	10	10.00
May	17	4.77	17	5.63	17	5.63
Jun	15	14.72	18	4.97	17	9.21
Jul	16	12.48	17	9.21	17	9.21
Aug	15	14.72	14	15.99	17	9.21
Sep	17	7.44	17	7.44	17	7.44
Oct	20	-	17	5.63	16	9.36
Nov	8	2.36	8	2.36	8	2.36
Dec	8	2.36	19	0.30	9	6.31
avg		5.31		5.03		6.17

## AEP LSE OATT PJM Incremental Cost Estimate

Used to estimate incremental cost from loads and decremental costs fro

	Existing		Add Project MW	
	MW	%	MW	%
NSPL				
AEP (Including CRES)	19,131	85.12%	19,137	85.12%
Non-Affiliate	3,345	14.88%	3,345	14.88%
	22,476		22,482	
	% Increase		0.03%	

	Existing		Add Project MW	
	MW	%	MW	%
12CP				
AP - 12CP	4,960	29.73%	4,960	29.72%
OP - 12CP	7,016	42.05%	7,016	42.04%
IM - 12CP	2,940	17.62%	2,940	17.61%
KP - 12CP	944	5.66%	949	5.69%
WPC - 12CP	506	3.03%	506	3.03%
KGP - 12CP	318	1.91%	318	1.91%
Operating Company Sum	16,684	100.00%	16,689	100.00%
	% Increase		0.03%	

### Load Changes Input in this section

	NSPL	12CP
APCo	-	
OPCo	-	
I&M	-	
KP	5.71	5.51
WPCo	-	
Total East Change	5.71	5.51

2020 Filed Rate \$ 93,001 \$/MW-Year

## m peak shaving

### NITS Expense

OpCo ATRR	\$ 871,336,638	2020 PTRR
Transco ATRR	\$ 935,533,420	2020 PTRR
<b>Schedule 12 Expense (RTEP)</b>	<b>\$ 182,724,919</b>	2019 Historic

Total Zonal ATRR 1,989,594,977

	<u>Existing</u>	<u>Add Project MW</u>	<u>Increase/(Decrease)</u>
Allocated to AEP %	85.12%	85.12%	0.00%
Allocated to AEP \$	1,693,492,681	1,693,567,944	75,263

Allocated to APCo	503,436,198	503,292,454	(143,744)
Allocated to OPCo	712,197,772	711,994,422	(203,351)
Allocated to I&M	298,377,175	298,291,980	(85,194)
Allocated to KPCo	95,808,898	96,340,340	531,442
Allocated to WPCo	51,393,476	51,378,802	(14,674)
Allocated to KGPCo	32,279,162	32,269,946	(9,217)

\$ 101,505 \$ 101,476

\$ 88,521 \$ 88,498

LMP: AEPKYRESIDAGG.RESIDUALMETEREDEDC  
 Year: 2017

	First month	Last month	Start time	End Time	
On-Peak	1	12	8	9:00 AM	17
				6:00 PM	Weekends of

Time Stamp	Month	Day	Hour	Weekend (W)	LMP (\$/MWh)	Average LMP:	
						On-Peak	Off-Peak
01/01/2017 0:00	1	1	0	W	25.17	-	25.17
01/01/2017 1:00	1	1	1	W	24.51	-	24.51
01/01/2017 2:00	1	1	2	W	24.38	-	24.38
01/01/2017 3:00	1	1	3	W	24.18	-	24.18
01/01/2017 4:00	1	1	4	W	24.28	-	24.28
01/01/2017 5:00	1	1	5	W	24.37	-	24.37
01/01/2017 6:00	1	1	6	W	25.38	-	25.38
01/01/2017 7:00	1	1	7	W	26.25	-	26.25
01/01/2017 8:00	1	1	8	W	26.34	-	26.34
01/01/2017 9:00	1	1	9	W	27.11	-	27.11
01/01/2017 10:00	1	1	10	W	27.18	-	27.18
01/01/2017 11:00	1	1	11	W	26.92	-	26.92
01/01/2017 12:00	1	1	12	W	25.90	-	25.9
01/01/2017 13:00	1	1	13	W	25.50	-	25.5
01/01/2017 14:00	1	1	14	W	25.39	-	25.39
01/01/2017 15:00	1	1	15	W	25.43	-	25.43
01/01/2017 16:00	1	1	16	W	26.81	-	26.81
01/01/2017 17:00	1	1	17	W	39.11	-	39.11
01/01/2017 18:00	1	1	18	W	36.99	-	36.99
01/01/2017 19:00	1	1	19	W	35.28	-	35.28
01/01/2017 20:00	1	1	20	W	29.87	-	29.87
01/01/2017 21:00	1	1	21	W	27.79	-	27.79
01/01/2017 22:00	1	1	22	W	26.26	-	26.26
01/01/2017 23:00	1	1	23	W	24.96	-	24.96
01/02/2017 0:00	1	2	0		23.13	-	23.13
01/02/2017 1:00	1	2	1		22.32	-	22.32
01/02/2017 2:00	1	2	2		22.00	-	22
01/02/2017 3:00	1	2	3		22.05	-	22.05
01/02/2017 4:00	1	2	4		22.36	-	22.36
01/02/2017 5:00	1	2	5		23.11	-	23.11
01/02/2017 6:00	1	2	6		24.85	-	24.85
01/02/2017 7:00	1	2	7		26.41	-	26.41
01/02/2017 8:00	1	2	8		28.28	28.28	-
01/02/2017 9:00	1	2	9		28.81	28.81	-
01/02/2017 10:00	1	2	10		30.37	30.37	-
01/02/2017 11:00	1	2	11		29.62	29.62	-
01/02/2017 12:00	1	2	12		28.03	28.03	-
01/02/2017 13:00	1	2	13		27.58	27.58	-
01/02/2017 14:00	1	2	14		26.85	26.85	-



01/02/2017 15:00	1	2	15	26.63	26.63	-
01/02/2017 16:00	1	2	16	29.17	29.17	-
01/02/2017 17:00	1	2	17	39.41	-	39.41
01/02/2017 18:00	1	2	18	37.36	-	37.36
01/02/2017 19:00	1	2	19	35.22	-	35.22
01/02/2017 20:00	1	2	20	29.46	-	29.46
01/02/2017 21:00	1	2	21	27.19	-	27.19
01/02/2017 22:00	1	2	22	25.27	-	25.27
01/02/2017 23:00	1	2	23	22.60	-	22.6
01/03/2017 0:00	1	3	0	24.05	-	24.05
01/03/2017 1:00	1	3	1	23.19	-	23.19
01/03/2017 2:00	1	3	2	22.94	-	22.94
01/03/2017 3:00	1	3	3	22.90	-	22.9
01/03/2017 4:00	1	3	4	23.47	-	23.47
01/03/2017 5:00	1	3	5	25.10	-	25.1
01/03/2017 6:00	1	3	6	32.27	-	32.27
01/03/2017 7:00	1	3	7	33.24	-	33.24
01/03/2017 8:00	1	3	8	32.06	32.06	-
01/03/2017 9:00	1	3	9	33.13	33.13	-
01/03/2017 10:00	1	3	10	35.61	35.61	-
01/03/2017 11:00	1	3	11	36.10	36.1	-
01/03/2017 12:00	1	3	12	31.72	31.72	-
01/03/2017 13:00	1	3	13	30.16	30.16	-
01/03/2017 14:00	1	3	14	28.32	28.32	-
01/03/2017 15:00	1	3	15	27.64	27.64	-
01/03/2017 16:00	1	3	16	30.25	30.25	-
01/03/2017 17:00	1	3	17	39.18	-	39.18
01/03/2017 18:00	1	3	18	38.26	-	38.26
01/03/2017 19:00	1	3	19	37.00	-	37
01/03/2017 20:00	1	3	20	30.80	-	30.8
01/03/2017 21:00	1	3	21	27.26	-	27.26
01/03/2017 22:00	1	3	22	26.04	-	26.04
01/03/2017 23:00	1	3	23	23.70	-	23.7
01/04/2017 0:00	1	4	0	23.96	-	23.96
01/04/2017 1:00	1	4	1	24.05	-	24.05
01/04/2017 2:00	1	4	2	23.77	-	23.77
01/04/2017 3:00	1	4	3	23.70	-	23.7
01/04/2017 4:00	1	4	4	24.19	-	24.19
01/04/2017 5:00	1	4	5	26.44	-	26.44
01/04/2017 6:00	1	4	6	31.13	-	31.13
01/04/2017 7:00	1	4	7	34.88	-	34.88
01/04/2017 8:00	1	4	8	31.33	31.33	-
01/04/2017 9:00	1	4	9	31.21	31.21	-
01/04/2017 10:00	1	4	10	31.17	31.17	-
01/04/2017 11:00	1	4	11	29.89	29.89	-
01/04/2017 12:00	1	4	12	28.52	28.52	-
01/04/2017 13:00	1	4	13	28.00	28	-

01/04/2017 14:00	1	4	14	27.33	27.33	-
01/04/2017 15:00	1	4	15	27.34	27.34	-
01/04/2017 16:00	1	4	16	29.33	29.33	-
01/04/2017 17:00	1	4	17	43.59	-	43.59
01/04/2017 18:00	1	4	18	45.45	-	45.45
01/04/2017 19:00	1	4	19	43.66	-	43.66
01/04/2017 20:00	1	4	20	41.79	-	41.79
01/04/2017 21:00	1	4	21	36.44	-	36.44
01/04/2017 22:00	1	4	22	28.49	-	28.49
01/04/2017 23:00	1	4	23	27.17	-	27.17
01/05/2017 0:00	1	5	0	26.41	-	26.41
01/05/2017 1:00	1	5	1	26.45	-	26.45
01/05/2017 2:00	1	5	2	26.41	-	26.41
01/05/2017 3:00	1	5	3	26.58	-	26.58
01/05/2017 4:00	1	5	4	27.77	-	27.77
01/05/2017 5:00	1	5	5	31.08	-	31.08
01/05/2017 6:00	1	5	6	50.11	-	50.11
01/05/2017 7:00	1	5	7	50.96	-	50.96
01/05/2017 8:00	1	5	8	48.12	48.12	-
01/05/2017 9:00	1	5	9	46.09	46.09	-
01/05/2017 10:00	1	5	10	44.61	44.61	-
01/05/2017 11:00	1	5	11	40.87	40.87	-
01/05/2017 12:00	1	5	12	35.91	35.91	-
01/05/2017 13:00	1	5	13	35.22	35.22	-
01/05/2017 14:00	1	5	14	33.79	33.79	-
01/05/2017 15:00	1	5	15	34.12	34.12	-
01/05/2017 16:00	1	5	16	37.66	37.66	-
01/05/2017 17:00	1	5	17	52.29	-	52.29
01/05/2017 18:00	1	5	18	53.84	-	53.84
01/05/2017 19:00	1	5	19	51.32	-	51.32
01/05/2017 20:00	1	5	20	49.64	-	49.64
01/05/2017 21:00	1	5	21	46.29	-	46.29
01/05/2017 22:00	1	5	22	34.93	-	34.93
01/05/2017 23:00	1	5	23	29.55	-	29.55
01/06/2017 0:00	1	6	0	27.53	-	27.53
01/06/2017 1:00	1	6	1	27.05	-	27.05
01/06/2017 2:00	1	6	2	26.72	-	26.72
01/06/2017 3:00	1	6	3	26.78	-	26.78
01/06/2017 4:00	1	6	4	27.51	-	27.51
01/06/2017 5:00	1	6	5	31.47	-	31.47
01/06/2017 6:00	1	6	6	47.97	-	47.97
01/06/2017 7:00	1	6	7	50.96	-	50.96
01/06/2017 8:00	1	6	8	48.34	48.34	-
01/06/2017 9:00	1	6	9	47.02	47.02	-
01/06/2017 10:00	1	6	10	44.27	44.27	-
01/06/2017 11:00	1	6	11	42.57	42.57	-
01/06/2017 12:00	1	6	12	35.98	35.98	-

01/06/2017 13:00	1	6	13		34.47	34.47	-
01/06/2017 14:00	1	6	14		33.48	33.48	-
01/06/2017 15:00	1	6	15		33.68	33.68	-
01/06/2017 16:00	1	6	16		37.56	37.56	-
01/06/2017 17:00	1	6	17		51.21	-	51.21
01/06/2017 18:00	1	6	18		52.53	-	52.53
01/06/2017 19:00	1	6	19		50.32	-	50.32
01/06/2017 20:00	1	6	20		48.48	-	48.48
01/06/2017 21:00	1	6	21		46.90	-	46.9
01/06/2017 22:00	1	6	22		36.20	-	36.2
01/06/2017 23:00	1	6	23		32.44	-	32.44
01/07/2017 0:00	1	7	0	W	33.85	-	33.85
01/07/2017 1:00	1	7	1	W	33.71	-	33.71
01/07/2017 2:00	1	7	2	W	32.01	-	32.01
01/07/2017 3:00	1	7	3	W	31.64	-	31.64
01/07/2017 4:00	1	7	4	W	31.66	-	31.66
01/07/2017 5:00	1	7	5	W	32.45	-	32.45
01/07/2017 6:00	1	7	6	W	36.22	-	36.22
01/07/2017 7:00	1	7	7	W	39.62	-	39.62
01/07/2017 8:00	1	7	8	W	42.94	-	42.94
01/07/2017 9:00	1	7	9	W	46.99	-	46.99
01/07/2017 10:00	1	7	10	W	46.12	-	46.12
01/07/2017 11:00	1	7	11	W	42.72	-	42.72
01/07/2017 12:00	1	7	12	W	36.77	-	36.77
01/07/2017 13:00	1	7	13	W	33.83	-	33.83
01/07/2017 14:00	1	7	14	W	30.87	-	30.87
01/07/2017 15:00	1	7	15	W	30.33	-	30.33
01/07/2017 16:00	1	7	16	W	32.85	-	32.85
01/07/2017 17:00	1	7	17	W	43.21	-	43.21
01/07/2017 18:00	1	7	18	W	47.66	-	47.66
01/07/2017 19:00	1	7	19	W	43.03	-	43.03
01/07/2017 20:00	1	7	20	W	42.89	-	42.89
01/07/2017 21:00	1	7	21	W	39.11	-	39.11
01/07/2017 22:00	1	7	22	W	34.99	-	34.99
01/07/2017 23:00	1	7	23	W	32.13	-	32.13
01/08/2017 0:00	1	8	0	W	35.40	-	35.4
01/08/2017 1:00	1	8	1	W	34.33	-	34.33
01/08/2017 2:00	1	8	2	W	33.45	-	33.45
01/08/2017 3:00	1	8	3	W	33.60	-	33.6
01/08/2017 4:00	1	8	4	W	33.80	-	33.8
01/08/2017 5:00	1	8	5	W	37.95	-	37.95
01/08/2017 6:00	1	8	6	W	40.80	-	40.8
01/08/2017 7:00	1	8	7	W	43.53	-	43.53
01/08/2017 8:00	1	8	8	W	47.99	-	47.99
01/08/2017 9:00	1	8	9	W	47.76	-	47.76
01/08/2017 10:00	1	8	10	W	44.57	-	44.57
01/08/2017 11:00	1	8	11	W	40.27	-	40.27

01/08/2017 12:00	1	8	12	W	37.02	-	37.02
01/08/2017 13:00	1	8	13	W	34.88	-	34.88
01/08/2017 14:00	1	8	14	W	32.82	-	32.82
01/08/2017 15:00	1	8	15	W	32.39	-	32.39
01/08/2017 16:00	1	8	16	W	36.81	-	36.81
01/08/2017 17:00	1	8	17	W	58.52	-	58.52
01/08/2017 18:00	1	8	18	W	60.15	-	60.15
01/08/2017 19:00	1	8	19	W	54.80	-	54.8
01/08/2017 20:00	1	8	20	W	53.08	-	53.08
01/08/2017 21:00	1	8	21	W	48.25	-	48.25
01/08/2017 22:00	1	8	22	W	40.92	-	40.92
01/08/2017 23:00	1	8	23	W	34.87	-	34.87
01/09/2017 0:00	1	9	0		34.04	-	34.04
01/09/2017 1:00	1	9	1		33.59	-	33.59
01/09/2017 2:00	1	9	2		33.35	-	33.35
01/09/2017 3:00	1	9	3		35.20	-	35.2
01/09/2017 4:00	1	9	4		36.93	-	36.93
01/09/2017 5:00	1	9	5		48.04	-	48.04
01/09/2017 6:00	1	9	6		61.43	-	61.43
01/09/2017 7:00	1	9	7		72.01	-	72.01
01/09/2017 8:00	1	9	8		60.32	60.32	-
01/09/2017 9:00	1	9	9		51.02	51.02	-
01/09/2017 10:00	1	9	10		44.92	44.92	-
01/09/2017 11:00	1	9	11		40.04	40.04	-
01/09/2017 12:00	1	9	12		35.21	35.21	-
01/09/2017 13:00	1	9	13		34.17	34.17	-
01/09/2017 14:00	1	9	14		31.60	31.6	-
01/09/2017 15:00	1	9	15		31.12	31.12	-
01/09/2017 16:00	1	9	16		33.75	33.75	-
01/09/2017 17:00	1	9	17		46.77	-	46.77
01/09/2017 18:00	1	9	18		49.40	-	49.4
01/09/2017 19:00	1	9	19		42.58	-	42.58
01/09/2017 20:00	1	9	20		38.53	-	38.53
01/09/2017 21:00	1	9	21		33.92	-	33.92
01/09/2017 22:00	1	9	22		30.06	-	30.06
01/09/2017 23:00	1	9	23		28.29	-	28.29
01/10/2017 0:00	1	10	0		27.88	-	27.88
01/10/2017 1:00	1	10	1		27.39	-	27.39
01/10/2017 2:00	1	10	2		26.83	-	26.83
01/10/2017 3:00	1	10	3		26.98	-	26.98
01/10/2017 4:00	1	10	4		27.77	-	27.77
01/10/2017 5:00	1	10	5		30.16	-	30.16
01/10/2017 6:00	1	10	6		40.91	-	40.91
01/10/2017 7:00	1	10	7		38.56	-	38.56
01/10/2017 8:00	1	10	8		36.60	36.6	-
01/10/2017 9:00	1	10	9		34.98	34.98	-
01/10/2017 10:00	1	10	10		32.82	32.82	-

01/10/2017 11:00	1	10	11	31.68	31.68	-
01/10/2017 12:00	1	10	12	29.63	29.63	-
01/10/2017 13:00	1	10	13	28.38	28.38	-
01/10/2017 14:00	1	10	14	27.56	27.56	-
01/10/2017 15:00	1	10	15	27.03	27.03	-
01/10/2017 16:00	1	10	16	27.45	27.45	-
01/10/2017 17:00	1	10	17	35.01	-	35.01
01/10/2017 18:00	1	10	18	32.42	-	32.42
01/10/2017 19:00	1	10	19	29.46	-	29.46
01/10/2017 20:00	1	10	20	28.63	-	28.63
01/10/2017 21:00	1	10	21	26.24	-	26.24
01/10/2017 22:00	1	10	22	24.89	-	24.89
01/10/2017 23:00	1	10	23	24.04	-	24.04
01/11/2017 0:00	1	11	0	23.58	-	23.58
01/11/2017 1:00	1	11	1	23.25	-	23.25
01/11/2017 2:00	1	11	2	22.99	-	22.99
01/11/2017 3:00	1	11	3	23.10	-	23.1
01/11/2017 4:00	1	11	4	23.94	-	23.94
01/11/2017 5:00	1	11	5	25.12	-	25.12
01/11/2017 6:00	1	11	6	33.43	-	33.43
01/11/2017 7:00	1	11	7	35.05	-	35.05
01/11/2017 8:00	1	11	8	30.85	30.85	-
01/11/2017 9:00	1	11	9	29.32	29.32	-
01/11/2017 10:00	1	11	10	29.30	29.3	-
01/11/2017 11:00	1	11	11	26.80	26.8	-
01/11/2017 12:00	1	11	12	25.69	25.69	-
01/11/2017 13:00	1	11	13	25.43	25.43	-
01/11/2017 14:00	1	11	14	25.30	25.3	-
01/11/2017 15:00	1	11	15	25.26	25.26	-
01/11/2017 16:00	1	11	16	25.67	25.67	-
01/11/2017 17:00	1	11	17	33.32	-	33.32
01/11/2017 18:00	1	11	18	33.26	-	33.26
01/11/2017 19:00	1	11	19	30.00	-	30
01/11/2017 20:00	1	11	20	27.51	-	27.51
01/11/2017 21:00	1	11	21	25.65	-	25.65
01/11/2017 22:00	1	11	22	24.04	-	24.04
01/11/2017 23:00	1	11	23	22.42	-	22.42
01/12/2017 0:00	1	12	0	22.34	-	22.34
01/12/2017 1:00	1	12	1	22.21	-	22.21
01/12/2017 2:00	1	12	2	21.89	-	21.89
01/12/2017 3:00	1	12	3	22.10	-	22.1
01/12/2017 4:00	1	12	4	22.34	-	22.34
01/12/2017 5:00	1	12	5	24.15	-	24.15
01/12/2017 6:00	1	12	6	31.86	-	31.86
01/12/2017 7:00	1	12	7	32.04	-	32.04
01/12/2017 8:00	1	12	8	27.81	27.81	-
01/12/2017 9:00	1	12	9	27.06	27.06	-

01/12/2017 10:00	1	12	10		27.47	27.47	-
01/12/2017 11:00	1	12	11		26.68	26.68	-
01/12/2017 12:00	1	12	12		26.20	26.2	-
01/12/2017 13:00	1	12	13		26.05	26.05	-
01/12/2017 14:00	1	12	14		25.62	25.62	-
01/12/2017 15:00	1	12	15		25.37	25.37	-
01/12/2017 16:00	1	12	16		25.76	25.76	-
01/12/2017 17:00	1	12	17		35.60	-	35.6
01/12/2017 18:00	1	12	18		34.05	-	34.05
01/12/2017 19:00	1	12	19		31.71	-	31.71
01/12/2017 20:00	1	12	20		28.19	-	28.19
01/12/2017 21:00	1	12	21		26.58	-	26.58
01/12/2017 22:00	1	12	22		24.42	-	24.42
01/12/2017 23:00	1	12	23		22.98	-	22.98
01/13/2017 0:00	1	13	0		23.35	-	23.35
01/13/2017 1:00	1	13	1		23.42	-	23.42
01/13/2017 2:00	1	13	2		23.28	-	23.28
01/13/2017 3:00	1	13	3		23.31	-	23.31
01/13/2017 4:00	1	13	4		23.48	-	23.48
01/13/2017 5:00	1	13	5		24.85	-	24.85
01/13/2017 6:00	1	13	6		31.95	-	31.95
01/13/2017 7:00	1	13	7		38.29	-	38.29
01/13/2017 8:00	1	13	8		35.73	35.73	-
01/13/2017 9:00	1	13	9		35.88	35.88	-
01/13/2017 10:00	1	13	10		36.32	36.32	-
01/13/2017 11:00	1	13	11		34.71	34.71	-
01/13/2017 12:00	1	13	12		30.05	30.05	-
01/13/2017 13:00	1	13	13		29.49	29.49	-
01/13/2017 14:00	1	13	14		27.39	27.39	-
01/13/2017 15:00	1	13	15		26.91	26.91	-
01/13/2017 16:00	1	13	16		29.93	29.93	-
01/13/2017 17:00	1	13	17		40.20	-	40.2
01/13/2017 18:00	1	13	18		38.55	-	38.55
01/13/2017 19:00	1	13	19		40.28	-	40.28
01/13/2017 20:00	1	13	20		39.11	-	39.11
01/13/2017 21:00	1	13	21		36.16	-	36.16
01/13/2017 22:00	1	13	22		28.24	-	28.24
01/13/2017 23:00	1	13	23		26.39	-	26.39
01/14/2017 0:00	1	14	0	W	26.02	-	26.02
01/14/2017 1:00	1	14	1	W	25.58	-	25.58
01/14/2017 2:00	1	14	2	W	25.52	-	25.52
01/14/2017 3:00	1	14	3	W	25.49	-	25.49
01/14/2017 4:00	1	14	4	W	25.50	-	25.5
01/14/2017 5:00	1	14	5	W	25.93	-	25.93
01/14/2017 6:00	1	14	6	W	27.79	-	27.79
01/14/2017 7:00	1	14	7	W	31.34	-	31.34
01/14/2017 8:00	1	14	8	W	34.71	-	34.71

01/14/2017 9:00	1	14	9	W	39.61	-	39.61
01/14/2017 10:00	1	14	10	W	38.62	-	38.62
01/14/2017 11:00	1	14	11	W	37.50	-	37.5
01/14/2017 12:00	1	14	12	W	34.25	-	34.25
01/14/2017 13:00	1	14	13	W	31.14	-	31.14
01/14/2017 14:00	1	14	14	W	29.35	-	29.35
01/14/2017 15:00	1	14	15	W	28.71	-	28.71
01/14/2017 16:00	1	14	16	W	34.39	-	34.39
01/14/2017 17:00	1	14	17	W	39.50	-	39.5
01/14/2017 18:00	1	14	18	W	39.74	-	39.74
01/14/2017 19:00	1	14	19	W	39.35	-	39.35
01/14/2017 20:00	1	14	20	W	35.62	-	35.62
01/14/2017 21:00	1	14	21	W	31.46	-	31.46
01/14/2017 22:00	1	14	22	W	27.04	-	27.04
01/14/2017 23:00	1	14	23	W	25.09	-	25.09
01/15/2017 0:00	1	15	0	W	25.14	-	25.14
01/15/2017 1:00	1	15	1	W	24.79	-	24.79
01/15/2017 2:00	1	15	2	W	24.77	-	24.77
01/15/2017 3:00	1	15	3	W	24.61	-	24.61
01/15/2017 4:00	1	15	4	W	24.55	-	24.55
01/15/2017 5:00	1	15	5	W	24.61	-	24.61
01/15/2017 6:00	1	15	6	W	26.05	-	26.05
01/15/2017 7:00	1	15	7	W	27.43	-	27.43
01/15/2017 8:00	1	15	8	W	28.84	-	28.84
01/15/2017 9:00	1	15	9	W	29.86	-	29.86
01/15/2017 10:00	1	15	10	W	30.24	-	30.24
01/15/2017 11:00	1	15	11	W	28.11	-	28.11
01/15/2017 12:00	1	15	12	W	27.39	-	27.39
01/15/2017 13:00	1	15	13	W	26.69	-	26.69
01/15/2017 14:00	1	15	14	W	26.07	-	26.07
01/15/2017 15:00	1	15	15	W	26.14	-	26.14
01/15/2017 16:00	1	15	16	W	28.56	-	28.56
01/15/2017 17:00	1	15	17	W	38.64	-	38.64
01/15/2017 18:00	1	15	18	W	37.96	-	37.96
01/15/2017 19:00	1	15	19	W	38.70	-	38.7
01/15/2017 20:00	1	15	20	W	35.44	-	35.44
01/15/2017 21:00	1	15	21	W	31.82	-	31.82
01/15/2017 22:00	1	15	22	W	27.31	-	27.31
01/15/2017 23:00	1	15	23	W	25.19	-	25.19
01/16/2017 0:00	1	16	0		25.33	-	25.33
01/16/2017 1:00	1	16	1		24.47	-	24.47
01/16/2017 2:00	1	16	2		24.38	-	24.38
01/16/2017 3:00	1	16	3		24.55	-	24.55
01/16/2017 4:00	1	16	4		25.00	-	25
01/16/2017 5:00	1	16	5		27.15	-	27.15
01/16/2017 6:00	1	16	6		36.55	-	36.55
01/16/2017 7:00	1	16	7		37.20	-	37.2

01/16/2017 8:00	1	16	8	37.25	37.25	-
01/16/2017 9:00	1	16	9	36.95	36.95	-
01/16/2017 10:00	1	16	10	37.86	37.86	-
01/16/2017 11:00	1	16	11	36.81	36.81	-
01/16/2017 12:00	1	16	12	34.05	34.05	-
01/16/2017 13:00	1	16	13	30.33	30.33	-
01/16/2017 14:00	1	16	14	29.61	29.61	-
01/16/2017 15:00	1	16	15	28.49	28.49	-
01/16/2017 16:00	1	16	16	30.48	30.48	-
01/16/2017 17:00	1	16	17	40.39	-	40.39
01/16/2017 18:00	1	16	18	39.82	-	39.82
01/16/2017 19:00	1	16	19	37.98	-	37.98
01/16/2017 20:00	1	16	20	34.54	-	34.54
01/16/2017 21:00	1	16	21	30.70	-	30.7
01/16/2017 22:00	1	16	22	25.92	-	25.92
01/16/2017 23:00	1	16	23	24.66	-	24.66
01/17/2017 0:00	1	17	0	24.37	-	24.37
01/17/2017 1:00	1	17	1	23.73	-	23.73
01/17/2017 2:00	1	17	2	23.56	-	23.56
01/17/2017 3:00	1	17	3	23.59	-	23.59
01/17/2017 4:00	1	17	4	23.78	-	23.78
01/17/2017 5:00	1	17	5	25.82	-	25.82
01/17/2017 6:00	1	17	6	36.35	-	36.35
01/17/2017 7:00	1	17	7	36.61	-	36.61
01/17/2017 8:00	1	17	8	36.73	36.73	-
01/17/2017 9:00	1	17	9	35.13	35.13	-
01/17/2017 10:00	1	17	10	35.81	35.81	-
01/17/2017 11:00	1	17	11	33.55	33.55	-
01/17/2017 12:00	1	17	12	30.84	30.84	-
01/17/2017 13:00	1	17	13	28.18	28.18	-
01/17/2017 14:00	1	17	14	28.07	28.07	-
01/17/2017 15:00	1	17	15	27.62	27.62	-
01/17/2017 16:00	1	17	16	28.62	28.62	-
01/17/2017 17:00	1	17	17	36.33	-	36.33
01/17/2017 18:00	1	17	18	36.92	-	36.92
01/17/2017 19:00	1	17	19	35.08	-	35.08
01/17/2017 20:00	1	17	20	30.75	-	30.75
01/17/2017 21:00	1	17	21	27.66	-	27.66
01/17/2017 22:00	1	17	22	25.28	-	25.28
01/17/2017 23:00	1	17	23	23.43	-	23.43
01/18/2017 0:00	1	18	0	23.80	-	23.8
01/18/2017 1:00	1	18	1	23.19	-	23.19
01/18/2017 2:00	1	18	2	22.73	-	22.73
01/18/2017 3:00	1	18	3	22.57	-	22.57
01/18/2017 4:00	1	18	4	22.95	-	22.95
01/18/2017 5:00	1	18	5	25.15	-	25.15
01/18/2017 6:00	1	18	6	36.42	-	36.42



01/18/2017 7:00	1	18	7	36.74	-	36.74
01/18/2017 8:00	1	18	8	36.06	36.06	-
01/18/2017 9:00	1	18	9	34.17	34.17	-
01/18/2017 10:00	1	18	10	36.03	36.03	-
01/18/2017 11:00	1	18	11	34.87	34.87	-
01/18/2017 12:00	1	18	12	32.12	32.12	-
01/18/2017 13:00	1	18	13	28.87	28.87	-
01/18/2017 14:00	1	18	14	28.01	28.01	-
01/18/2017 15:00	1	18	15	27.72	27.72	-
01/18/2017 16:00	1	18	16	30.24	30.24	-
01/18/2017 17:00	1	18	17	39.48	-	39.48
01/18/2017 18:00	1	18	18	38.51	-	38.51
01/18/2017 19:00	1	18	19	38.11	-	38.11
01/18/2017 20:00	1	18	20	37.91	-	37.91
01/18/2017 21:00	1	18	21	31.51	-	31.51
01/18/2017 22:00	1	18	22	27.11	-	27.11
01/18/2017 23:00	1	18	23	25.19	-	25.19
01/19/2017 0:00	1	19	0	25.28	-	25.28
01/19/2017 1:00	1	19	1	24.58	-	24.58
01/19/2017 2:00	1	19	2	24.51	-	24.51
01/19/2017 3:00	1	19	3	24.63	-	24.63
01/19/2017 4:00	1	19	4	25.28	-	25.28
01/19/2017 5:00	1	19	5	27.85	-	27.85
01/19/2017 6:00	1	19	6	41.70	-	41.7
01/19/2017 7:00	1	19	7	45.90	-	45.9
01/19/2017 8:00	1	19	8	39.30	39.3	-
01/19/2017 9:00	1	19	9	37.93	37.93	-
01/19/2017 10:00	1	19	10	37.26	37.26	-
01/19/2017 11:00	1	19	11	36.31	36.31	-
01/19/2017 12:00	1	19	12	32.33	32.33	-
01/19/2017 13:00	1	19	13	28.26	28.26	-
01/19/2017 14:00	1	19	14	27.58	27.58	-
01/19/2017 15:00	1	19	15	27.76	27.76	-
01/19/2017 16:00	1	19	16	28.85	28.85	-
01/19/2017 17:00	1	19	17	41.09	-	41.09
01/19/2017 18:00	1	19	18	41.07	-	41.07
01/19/2017 19:00	1	19	19	37.82	-	37.82
01/19/2017 20:00	1	19	20	37.10	-	37.1
01/19/2017 21:00	1	19	21	29.89	-	29.89
01/19/2017 22:00	1	19	22	26.27	-	26.27
01/19/2017 23:00	1	19	23	25.54	-	25.54
01/20/2017 0:00	1	20	0	24.14	-	24.14
01/20/2017 1:00	1	20	1	23.39	-	23.39
01/20/2017 2:00	1	20	2	23.52	-	23.52
01/20/2017 3:00	1	20	3	23.40	-	23.4
01/20/2017 4:00	1	20	4	23.82	-	23.82
01/20/2017 5:00	1	20	5	25.62	-	25.62

01/20/2017 6:00	1	20	6		37.91	-	37.91
01/20/2017 7:00	1	20	7		39.81	-	39.81
01/20/2017 8:00	1	20	8		38.28	38.28	-
01/20/2017 9:00	1	20	9		38.30	38.3	-
01/20/2017 10:00	1	20	10		37.72	37.72	-
01/20/2017 11:00	1	20	11		34.25	34.25	-
01/20/2017 12:00	1	20	12		30.55	30.55	-
01/20/2017 13:00	1	20	13		28.19	28.19	-
01/20/2017 14:00	1	20	14		27.65	27.65	-
01/20/2017 15:00	1	20	15		27.94	27.94	-
01/20/2017 16:00	1	20	16		29.64	29.64	-
01/20/2017 17:00	1	20	17		39.22	-	39.22
01/20/2017 18:00	1	20	18		38.56	-	38.56
01/20/2017 19:00	1	20	19		33.53	-	33.53
01/20/2017 20:00	1	20	20		29.92	-	29.92
01/20/2017 21:00	1	20	21		26.33	-	26.33
01/20/2017 22:00	1	20	22		24.58	-	24.58
01/20/2017 23:00	1	20	23		22.77	-	22.77
01/21/2017 0:00	1	21	0	W	21.89	-	21.89
01/21/2017 1:00	1	21	1	W	21.37	-	21.37
01/21/2017 2:00	1	21	2	W	20.70	-	20.7
01/21/2017 3:00	1	21	3	W	20.85	-	20.85
01/21/2017 4:00	1	21	4	W	20.84	-	20.84
01/21/2017 5:00	1	21	5	W	21.30	-	21.3
01/21/2017 6:00	1	21	6	W	22.81	-	22.81
01/21/2017 7:00	1	21	7	W	24.73	-	24.73
01/21/2017 8:00	1	21	8	W	25.50	-	25.5
01/21/2017 9:00	1	21	9	W	27.58	-	27.58
01/21/2017 10:00	1	21	10	W	27.38	-	27.38
01/21/2017 11:00	1	21	11	W	27.42	-	27.42
01/21/2017 12:00	1	21	12	W	25.39	-	25.39
01/21/2017 13:00	1	21	13	W	24.41	-	24.41
01/21/2017 14:00	1	21	14	W	23.68	-	23.68
01/21/2017 15:00	1	21	15	W	23.43	-	23.43
01/21/2017 16:00	1	21	16	W	23.92	-	23.92
01/21/2017 17:00	1	21	17	W	30.84	-	30.84
01/21/2017 18:00	1	21	18	W	29.72	-	29.72
01/21/2017 19:00	1	21	19	W	26.62	-	26.62
01/21/2017 20:00	1	21	20	W	25.85	-	25.85
01/21/2017 21:00	1	21	21	W	24.47	-	24.47
01/21/2017 22:00	1	21	22	W	22.81	-	22.81
01/21/2017 23:00	1	21	23	W	21.26	-	21.26
01/22/2017 0:00	1	22	0	W	20.81	-	20.81
01/22/2017 1:00	1	22	1	W	20.42	-	20.42
01/22/2017 2:00	1	22	2	W	20.30	-	20.3
01/22/2017 3:00	1	22	3	W	20.09	-	20.09
01/22/2017 4:00	1	22	4	W	20.34	-	20.34

01/22/2017 5:00	1	22	5	W	20.46	-	20.46
01/22/2017 6:00	1	22	6	W	20.57	-	20.57
01/22/2017 7:00	1	22	7	W	22.17	-	22.17
01/22/2017 8:00	1	22	8	W	23.05	-	23.05
01/22/2017 9:00	1	22	9	W	23.76	-	23.76
01/22/2017 10:00	1	22	10	W	23.89	-	23.89
01/22/2017 11:00	1	22	11	W	24.36	-	24.36
01/22/2017 12:00	1	22	12	W	24.24	-	24.24
01/22/2017 13:00	1	22	13	W	23.81	-	23.81
01/22/2017 14:00	1	22	14	W	23.43	-	23.43
01/22/2017 15:00	1	22	15	W	23.31	-	23.31
01/22/2017 16:00	1	22	16	W	24.46	-	24.46
01/22/2017 17:00	1	22	17	W	30.12	-	30.12
01/22/2017 18:00	1	22	18	W	29.37	-	29.37
01/22/2017 19:00	1	22	19	W	27.56	-	27.56
01/22/2017 20:00	1	22	20	W	26.05	-	26.05
01/22/2017 21:00	1	22	21	W	23.36	-	23.36
01/22/2017 22:00	1	22	22	W	21.81	-	21.81
01/22/2017 23:00	1	22	23	W	20.03	-	20.03
01/23/2017 0:00	1	23	0		19.68	-	19.68
01/23/2017 1:00	1	23	1		19.55	-	19.55
01/23/2017 2:00	1	23	2		19.08	-	19.08
01/23/2017 3:00	1	23	3		18.95	-	18.95
01/23/2017 4:00	1	23	4		19.78	-	19.78
01/23/2017 5:00	1	23	5		21.48	-	21.48
01/23/2017 6:00	1	23	6		27.28	-	27.28
01/23/2017 7:00	1	23	7		28.81	-	28.81
01/23/2017 8:00	1	23	8		28.58	28.58	-
01/23/2017 9:00	1	23	9		31.33	31.33	-
01/23/2017 10:00	1	23	10		30.41	30.41	-
01/23/2017 11:00	1	23	11		30.19	30.19	-
01/23/2017 12:00	1	23	12		29.39	29.39	-
01/23/2017 13:00	1	23	13		27.89	27.89	-
01/23/2017 14:00	1	23	14		26.81	26.81	-
01/23/2017 15:00	1	23	15		26.61	26.61	-
01/23/2017 16:00	1	23	16		28.37	28.37	-
01/23/2017 17:00	1	23	17		32.40	-	32.4
01/23/2017 18:00	1	23	18		32.82	-	32.82
01/23/2017 19:00	1	23	19		31.58	-	31.58
01/23/2017 20:00	1	23	20		29.97	-	29.97
01/23/2017 21:00	1	23	21		26.34	-	26.34
01/23/2017 22:00	1	23	22		24.02	-	24.02
01/23/2017 23:00	1	23	23		22.60	-	22.6
01/24/2017 0:00	1	24	0		22.71	-	22.71
01/24/2017 1:00	1	24	1		22.23	-	22.23
01/24/2017 2:00	1	24	2		22.28	-	22.28
01/24/2017 3:00	1	24	3		22.21	-	22.21

01/24/2017 4:00	1	24	4	22.72	-	22.72
01/24/2017 5:00	1	24	5	24.57	-	24.57
01/24/2017 6:00	1	24	6	33.34	-	33.34
01/24/2017 7:00	1	24	7	33.24	-	33.24
01/24/2017 8:00	1	24	8	30.31	30.31	-
01/24/2017 9:00	1	24	9	33.37	33.37	-
01/24/2017 10:00	1	24	10	31.06	31.06	-
01/24/2017 11:00	1	24	11	30.11	30.11	-
01/24/2017 12:00	1	24	12	28.28	28.28	-
01/24/2017 13:00	1	24	13	26.81	26.81	-
01/24/2017 14:00	1	24	14	26.04	26.04	-
01/24/2017 15:00	1	24	15	25.65	25.65	-
01/24/2017 16:00	1	24	16	26.27	26.27	-
01/24/2017 17:00	1	24	17	36.23	-	36.23
01/24/2017 18:00	1	24	18	35.95	-	35.95
01/24/2017 19:00	1	24	19	32.26	-	32.26
01/24/2017 20:00	1	24	20	28.35	-	28.35
01/24/2017 21:00	1	24	21	25.92	-	25.92
01/24/2017 22:00	1	24	22	24.31	-	24.31
01/24/2017 23:00	1	24	23	22.92	-	22.92
01/25/2017 0:00	1	25	0	22.88	-	22.88
01/25/2017 1:00	1	25	1	22.31	-	22.31
01/25/2017 2:00	1	25	2	22.49	-	22.49
01/25/2017 3:00	1	25	3	22.61	-	22.61
01/25/2017 4:00	1	25	4	22.84	-	22.84
01/25/2017 5:00	1	25	5	25.37	-	25.37
01/25/2017 6:00	1	25	6	35.59	-	35.59
01/25/2017 7:00	1	25	7	36.02	-	36.02
01/25/2017 8:00	1	25	8	32.72	32.72	-
01/25/2017 9:00	1	25	9	30.26	30.26	-
01/25/2017 10:00	1	25	10	28.17	28.17	-
01/25/2017 11:00	1	25	11	27.37	27.37	-
01/25/2017 12:00	1	25	12	26.13	26.13	-
01/25/2017 13:00	1	25	13	25.47	25.47	-
01/25/2017 14:00	1	25	14	25.13	25.13	-
01/25/2017 15:00	1	25	15	24.94	24.94	-
01/25/2017 16:00	1	25	16	25.48	25.48	-
01/25/2017 17:00	1	25	17	34.77	-	34.77
01/25/2017 18:00	1	25	18	35.46	-	35.46
01/25/2017 19:00	1	25	19	30.70	-	30.7
01/25/2017 20:00	1	25	20	28.46	-	28.46
01/25/2017 21:00	1	25	21	25.89	-	25.89
01/25/2017 22:00	1	25	22	24.42	-	24.42
01/25/2017 23:00	1	25	23	22.15	-	22.15
01/26/2017 0:00	1	26	0	21.36	-	21.36
01/26/2017 1:00	1	26	1	21.34	-	21.34
01/26/2017 2:00	1	26	2	20.84	-	20.84

01/26/2017 3:00	1	26	3		20.99	-	20.99
01/26/2017 4:00	1	26	4		21.31	-	21.31
01/26/2017 5:00	1	26	5		23.25	-	23.25
01/26/2017 6:00	1	26	6		27.87	-	27.87
01/26/2017 7:00	1	26	7		29.17	-	29.17
01/26/2017 8:00	1	26	8		28.37	28.37	-
01/26/2017 9:00	1	26	9		27.90	27.9	-
01/26/2017 10:00	1	26	10		27.45	27.45	-
01/26/2017 11:00	1	26	11		27.18	27.18	-
01/26/2017 12:00	1	26	12		26.64	26.64	-
01/26/2017 13:00	1	26	13		26.34	26.34	-
01/26/2017 14:00	1	26	14		26.05	26.05	-
01/26/2017 15:00	1	26	15		25.77	25.77	-
01/26/2017 16:00	1	26	16		26.39	26.39	-
01/26/2017 17:00	1	26	17		34.31	-	34.31
01/26/2017 18:00	1	26	18		34.42	-	34.42
01/26/2017 19:00	1	26	19		33.09	-	33.09
01/26/2017 20:00	1	26	20		32.79	-	32.79
01/26/2017 21:00	1	26	21		27.52	-	27.52
01/26/2017 22:00	1	26	22		25.53	-	25.53
01/26/2017 23:00	1	26	23		23.69	-	23.69
01/27/2017 0:00	1	27	0		23.21	-	23.21
01/27/2017 1:00	1	27	1		22.94	-	22.94
01/27/2017 2:00	1	27	2		23.00	-	23
01/27/2017 3:00	1	27	3		23.04	-	23.04
01/27/2017 4:00	1	27	4		23.58	-	23.58
01/27/2017 5:00	1	27	5		25.71	-	25.71
01/27/2017 6:00	1	27	6		36.12	-	36.12
01/27/2017 7:00	1	27	7		38.63	-	38.63
01/27/2017 8:00	1	27	8		34.21	34.21	-
01/27/2017 9:00	1	27	9		31.87	31.87	-
01/27/2017 10:00	1	27	10		32.30	32.3	-
01/27/2017 11:00	1	27	11		29.98	29.98	-
01/27/2017 12:00	1	27	12		30.08	30.08	-
01/27/2017 13:00	1	27	13		28.73	28.73	-
01/27/2017 14:00	1	27	14		28.07	28.07	-
01/27/2017 15:00	1	27	15		27.91	27.91	-
01/27/2017 16:00	1	27	16		29.29	29.29	-
01/27/2017 17:00	1	27	17		38.94	-	38.94
01/27/2017 18:00	1	27	18		39.32	-	39.32
01/27/2017 19:00	1	27	19		37.84	-	37.84
01/27/2017 20:00	1	27	20		35.91	-	35.91
01/27/2017 21:00	1	27	21		30.34	-	30.34
01/27/2017 22:00	1	27	22		27.00	-	27
01/27/2017 23:00	1	27	23		25.42	-	25.42
01/28/2017 0:00	1	28	0	W	23.38	-	23.38
01/28/2017 1:00	1	28	1	W	23.01	-	23.01

01/28/2017 2:00	1	28	2	W	22.99	-	22.99
01/28/2017 3:00	1	28	3	W	22.95	-	22.95
01/28/2017 4:00	1	28	4	W	22.94	-	22.94
01/28/2017 5:00	1	28	5	W	23.54	-	23.54
01/28/2017 6:00	1	28	6	W	25.74	-	25.74
01/28/2017 7:00	1	28	7	W	27.38	-	27.38
01/28/2017 8:00	1	28	8	W	28.07	-	28.07
01/28/2017 9:00	1	28	9	W	28.07	-	28.07
01/28/2017 10:00	1	28	10	W	27.51	-	27.51
01/28/2017 11:00	1	28	11	W	27.02	-	27.02
01/28/2017 12:00	1	28	12	W	26.14	-	26.14
01/28/2017 13:00	1	28	13	W	25.34	-	25.34
01/28/2017 14:00	1	28	14	W	24.73	-	24.73
01/28/2017 15:00	1	28	15	W	24.50	-	24.5
01/28/2017 16:00	1	28	16	W	25.55	-	25.55
01/28/2017 17:00	1	28	17	W	29.85	-	29.85
01/28/2017 18:00	1	28	18	W	29.73	-	29.73
01/28/2017 19:00	1	28	19	W	28.52	-	28.52
01/28/2017 20:00	1	28	20	W	28.02	-	28.02
01/28/2017 21:00	1	28	21	W	26.62	-	26.62
01/28/2017 22:00	1	28	22	W	25.12	-	25.12
01/28/2017 23:00	1	28	23	W	23.34	-	23.34
01/29/2017 0:00	1	29	0	W	22.81	-	22.81
01/29/2017 1:00	1	29	1	W	22.83	-	22.83
01/29/2017 2:00	1	29	2	W	22.65	-	22.65
01/29/2017 3:00	1	29	3	W	22.45	-	22.45
01/29/2017 4:00	1	29	4	W	22.50	-	22.5
01/29/2017 5:00	1	29	5	W	22.74	-	22.74
01/29/2017 6:00	1	29	6	W	23.89	-	23.89
01/29/2017 7:00	1	29	7	W	25.32	-	25.32
01/29/2017 8:00	1	29	8	W	25.95	-	25.95
01/29/2017 9:00	1	29	9	W	26.00	-	26
01/29/2017 10:00	1	29	10	W	25.71	-	25.71
01/29/2017 11:00	1	29	11	W	25.41	-	25.41
01/29/2017 12:00	1	29	12	W	24.48	-	24.48
01/29/2017 13:00	1	29	13	W	24.29	-	24.29
01/29/2017 14:00	1	29	14	W	23.86	-	23.86
01/29/2017 15:00	1	29	15	W	24.11	-	24.11
01/29/2017 16:00	1	29	16	W	25.29	-	25.29
01/29/2017 17:00	1	29	17	W	31.31	-	31.31
01/29/2017 18:00	1	29	18	W	30.64	-	30.64
01/29/2017 19:00	1	29	19	W	29.92	-	29.92
01/29/2017 20:00	1	29	20	W	29.81	-	29.81
01/29/2017 21:00	1	29	21	W	26.71	-	26.71
01/29/2017 22:00	1	29	22	W	25.16	-	25.16
01/29/2017 23:00	1	29	23	W	24.15	-	24.15
01/30/2017 0:00	1	30	0		23.35	-	23.35

01/30/2017 1:00	1	30	1	22.98	-	22.98
01/30/2017 2:00	1	30	2	22.89	-	22.89
01/30/2017 3:00	1	30	3	22.95	-	22.95
01/30/2017 4:00	1	30	4	24.00	-	24
01/30/2017 5:00	1	30	5	25.79	-	25.79
01/30/2017 6:00	1	30	6	35.90	-	35.9
01/30/2017 7:00	1	30	7	37.65	-	37.65
01/30/2017 8:00	1	30	8	37.00	37	-
01/30/2017 9:00	1	30	9	35.49	35.49	-
01/30/2017 10:00	1	30	10	34.00	34	-
01/30/2017 11:00	1	30	11	31.98	31.98	-
01/30/2017 12:00	1	30	12	30.45	30.45	-
01/30/2017 13:00	1	30	13	28.87	28.87	-
01/30/2017 14:00	1	30	14	27.75	27.75	-
01/30/2017 15:00	1	30	15	27.55	27.55	-
01/30/2017 16:00	1	30	16	28.41	28.41	-
01/30/2017 17:00	1	30	17	38.36	-	38.36
01/30/2017 18:00	1	30	18	38.61	-	38.61
01/30/2017 19:00	1	30	19	36.29	-	36.29
01/30/2017 20:00	1	30	20	34.46	-	34.46
01/30/2017 21:00	1	30	21	29.46	-	29.46
01/30/2017 22:00	1	30	22	25.97	-	25.97
01/30/2017 23:00	1	30	23	24.99	-	24.99
01/31/2017 0:00	1	31	0	23.92	-	23.92
01/31/2017 1:00	1	31	1	23.97	-	23.97
01/31/2017 2:00	1	31	2	23.92	-	23.92
01/31/2017 3:00	1	31	3	23.90	-	23.9
01/31/2017 4:00	1	31	4	23.96	-	23.96
01/31/2017 5:00	1	31	5	25.12	-	25.12
01/31/2017 6:00	1	31	6	34.63	-	34.63
01/31/2017 7:00	1	31	7	34.04	-	34.04
01/31/2017 8:00	1	31	8	30.11	30.11	-
01/31/2017 9:00	1	31	9	29.96	29.96	-
01/31/2017 10:00	1	31	10	28.26	28.26	-
01/31/2017 11:00	1	31	11	27.53	27.53	-
01/31/2017 12:00	1	31	12	26.06	26.06	-
01/31/2017 13:00	1	31	13	25.46	25.46	-
01/31/2017 14:00	1	31	14	25.03	25.03	-
01/31/2017 15:00	1	31	15	24.64	24.64	-
01/31/2017 16:00	1	31	16	25.19	25.19	-
01/31/2017 17:00	1	31	17	29.14	-	29.14
01/31/2017 18:00	1	31	18	29.80	-	29.8
01/31/2017 19:00	1	31	19	27.90	-	27.9
01/31/2017 20:00	1	31	20	27.25	-	27.25
01/31/2017 21:00	1	31	21	25.27	-	25.27
01/31/2017 22:00	1	31	22	23.82	-	23.82
01/31/2017 23:00	1	31	23	22.90	-	22.9

02/01/2017 0:00	2	1	0	21.23	-	21.23
02/01/2017 1:00	2	1	1	20.72	-	20.72
02/01/2017 2:00	2	1	2	20.60	-	20.6
02/01/2017 3:00	2	1	3	20.79	-	20.79
02/01/2017 4:00	2	1	4	21.26	-	21.26
02/01/2017 5:00	2	1	5	22.06	-	22.06
02/01/2017 6:00	2	1	6	28.71	-	28.71
02/01/2017 7:00	2	1	7	28.61	-	28.61
02/01/2017 8:00	2	1	8	26.20	26.2	-
02/01/2017 9:00	2	1	9	25.66	25.66	-
02/01/2017 10:00	2	1	10	25.53	25.53	-
02/01/2017 11:00	2	1	11	24.85	24.85	-
02/01/2017 12:00	2	1	12	24.55	24.55	-
02/01/2017 13:00	2	1	13	24.37	24.37	-
02/01/2017 14:00	2	1	14	24.00	24	-
02/01/2017 15:00	2	1	15	23.85	23.85	-
02/01/2017 16:00	2	1	16	24.46	24.46	-
02/01/2017 17:00	2	1	17	28.37	-	28.37
02/01/2017 18:00	2	1	18	31.84	-	31.84
02/01/2017 19:00	2	1	19	29.33	-	29.33
02/01/2017 20:00	2	1	20	28.44	-	28.44
02/01/2017 21:00	2	1	21	25.42	-	25.42
02/01/2017 22:00	2	1	22	23.71	-	23.71
02/01/2017 23:00	2	1	23	21.57	-	21.57
02/02/2017 0:00	2	2	0	22.14	-	22.14
02/02/2017 1:00	2	2	1	21.83	-	21.83
02/02/2017 2:00	2	2	2	21.77	-	21.77
02/02/2017 3:00	2	2	3	21.91	-	21.91
02/02/2017 4:00	2	2	4	22.27	-	22.27
02/02/2017 5:00	2	2	5	24.47	-	24.47
02/02/2017 6:00	2	2	6	29.93	-	29.93
02/02/2017 7:00	2	2	7	33.71	-	33.71
02/02/2017 8:00	2	2	8	29.76	29.76	-
02/02/2017 9:00	2	2	9	29.04	29.04	-
02/02/2017 10:00	2	2	10	28.34	28.34	-
02/02/2017 11:00	2	2	11	27.44	27.44	-
02/02/2017 12:00	2	2	12	26.15	26.15	-
02/02/2017 13:00	2	2	13	25.88	25.88	-
02/02/2017 14:00	2	2	14	25.43	25.43	-
02/02/2017 15:00	2	2	15	25.14	25.14	-
02/02/2017 16:00	2	2	16	25.81	25.81	-
02/02/2017 17:00	2	2	17	33.41	-	33.41
02/02/2017 18:00	2	2	18	38.83	-	38.83
02/02/2017 19:00	2	2	19	36.55	-	36.55
02/02/2017 20:00	2	2	20	35.53	-	35.53
02/02/2017 21:00	2	2	21	31.92	-	31.92
02/02/2017 22:00	2	2	22	26.41	-	26.41



02/02/2017 23:00	2	2	23		25.72	-	25.72
02/03/2017 0:00	2	3	0		24.36	-	24.36
02/03/2017 1:00	2	3	1		24.02	-	24.02
02/03/2017 2:00	2	3	2		24.03	-	24.03
02/03/2017 3:00	2	3	3		24.24	-	24.24
02/03/2017 4:00	2	3	4		24.28	-	24.28
02/03/2017 5:00	2	3	5		26.42	-	26.42
02/03/2017 6:00	2	3	6		40.23	-	40.23
02/03/2017 7:00	2	3	7		43.25	-	43.25
02/03/2017 8:00	2	3	8		34.26	34.26	-
02/03/2017 9:00	2	3	9		33.27	33.27	-
02/03/2017 10:00	2	3	10		31.81	31.81	-
02/03/2017 11:00	2	3	11		30.78	30.78	-
02/03/2017 12:00	2	3	12		28.46	28.46	-
02/03/2017 13:00	2	3	13		27.19	27.19	-
02/03/2017 14:00	2	3	14		26.25	26.25	-
02/03/2017 15:00	2	3	15		25.81	25.81	-
02/03/2017 16:00	2	3	16		26.81	26.81	-
02/03/2017 17:00	2	3	17		31.39	-	31.39
02/03/2017 18:00	2	3	18		32.88	-	32.88
02/03/2017 19:00	2	3	19		32.05	-	32.05
02/03/2017 20:00	2	3	20		31.37	-	31.37
02/03/2017 21:00	2	3	21		29.71	-	29.71
02/03/2017 22:00	2	3	22		27.18	-	27.18
02/03/2017 23:00	2	3	23		25.74	-	25.74
02/04/2017 0:00	2	4	0	W	25.87	-	25.87
02/04/2017 1:00	2	4	1	W	25.34	-	25.34
02/04/2017 2:00	2	4	2	W	24.81	-	24.81
02/04/2017 3:00	2	4	3	W	24.90	-	24.9
02/04/2017 4:00	2	4	4	W	25.38	-	25.38
02/04/2017 5:00	2	4	5	W	26.51	-	26.51
02/04/2017 6:00	2	4	6	W	31.63	-	31.63
02/04/2017 7:00	2	4	7	W	33.47	-	33.47
02/04/2017 8:00	2	4	8	W	33.50	-	33.5
02/04/2017 9:00	2	4	9	W	33.63	-	33.63
02/04/2017 10:00	2	4	10	W	29.89	-	29.89
02/04/2017 11:00	2	4	11	W	27.42	-	27.42
02/04/2017 12:00	2	4	12	W	25.81	-	25.81
02/04/2017 13:00	2	4	13	W	25.13	-	25.13
02/04/2017 14:00	2	4	14	W	24.47	-	24.47
02/04/2017 15:00	2	4	15	W	24.29	-	24.29
02/04/2017 16:00	2	4	16	W	24.97	-	24.97
02/04/2017 17:00	2	4	17	W	28.81	-	28.81
02/04/2017 18:00	2	4	18	W	32.51	-	32.51
02/04/2017 19:00	2	4	19	W	30.56	-	30.56
02/04/2017 20:00	2	4	20	W	28.63	-	28.63
02/04/2017 21:00	2	4	21	W	26.65	-	26.65

02/04/2017 22:00	2	4	22	W	25.33	-	25.33
02/04/2017 23:00	2	4	23	W	24.29	-	24.29
02/05/2017 0:00	2	5	0	W	24.06	-	24.06
02/05/2017 1:00	2	5	1	W	23.61	-	23.61
02/05/2017 2:00	2	5	2	W	23.00	-	23
02/05/2017 3:00	2	5	3	W	22.84	-	22.84
02/05/2017 4:00	2	5	4	W	22.95	-	22.95
02/05/2017 5:00	2	5	5	W	23.72	-	23.72
02/05/2017 6:00	2	5	6	W	25.04	-	25.04
02/05/2017 7:00	2	5	7	W	25.51	-	25.51
02/05/2017 8:00	2	5	8	W	25.64	-	25.64
02/05/2017 9:00	2	5	9	W	25.42	-	25.42
02/05/2017 10:00	2	5	10	W	24.29	-	24.29
02/05/2017 11:00	2	5	11	W	23.62	-	23.62
02/05/2017 12:00	2	5	12	W	23.49	-	23.49
02/05/2017 13:00	2	5	13	W	23.03	-	23.03
02/05/2017 14:00	2	5	14	W	22.58	-	22.58
02/05/2017 15:00	2	5	15	W	22.48	-	22.48
02/05/2017 16:00	2	5	16	W	23.00	-	23
02/05/2017 17:00	2	5	17	W	26.72	-	26.72
02/05/2017 18:00	2	5	18	W	26.54	-	26.54
02/05/2017 19:00	2	5	19	W	25.59	-	25.59
02/05/2017 20:00	2	5	20	W	25.13	-	25.13
02/05/2017 21:00	2	5	21	W	24.41	-	24.41
02/05/2017 22:00	2	5	22	W	23.21	-	23.21
02/05/2017 23:00	2	5	23	W	22.46	-	22.46
02/06/2017 0:00	2	6	0		21.92	-	21.92
02/06/2017 1:00	2	6	1		21.62	-	21.62
02/06/2017 2:00	2	6	2		21.61	-	21.61
02/06/2017 3:00	2	6	3		21.73	-	21.73
02/06/2017 4:00	2	6	4		23.21	-	23.21
02/06/2017 5:00	2	6	5		25.95	-	25.95
02/06/2017 6:00	2	6	6		35.13	-	35.13
02/06/2017 7:00	2	6	7		38.40	-	38.4
02/06/2017 8:00	2	6	8		33.34	33.34	-
02/06/2017 9:00	2	6	9		30.98	30.98	-
02/06/2017 10:00	2	6	10		29.71	29.71	-
02/06/2017 11:00	2	6	11		28.19	28.19	-
02/06/2017 12:00	2	6	12		26.81	26.81	-
02/06/2017 13:00	2	6	13		25.79	25.79	-
02/06/2017 14:00	2	6	14		25.06	25.06	-
02/06/2017 15:00	2	6	15		24.80	24.8	-
02/06/2017 16:00	2	6	16		25.38	25.38	-
02/06/2017 17:00	2	6	17		30.40	-	30.4
02/06/2017 18:00	2	6	18		33.77	-	33.77
02/06/2017 19:00	2	6	19		30.86	-	30.86
02/06/2017 20:00	2	6	20		28.50	-	28.5

02/06/2017 21:00	2	6	21	26.75	-	26.75
02/06/2017 22:00	2	6	22	23.66	-	23.66
02/06/2017 23:00	2	6	23	22.26	-	22.26
02/07/2017 0:00	2	7	0	20.91	-	20.91
02/07/2017 1:00	2	7	1	20.69	-	20.69
02/07/2017 2:00	2	7	2	20.68	-	20.68
02/07/2017 3:00	2	7	3	20.54	-	20.54
02/07/2017 4:00	2	7	4	20.71	-	20.71
02/07/2017 5:00	2	7	5	22.64	-	22.64
02/07/2017 6:00	2	7	6	28.86	-	28.86
02/07/2017 7:00	2	7	7	28.68	-	28.68
02/07/2017 8:00	2	7	8	26.73	26.73	-
02/07/2017 9:00	2	7	9	26.54	26.54	-
02/07/2017 10:00	2	7	10	26.03	26.03	-
02/07/2017 11:00	2	7	11	25.92	25.92	-
02/07/2017 12:00	2	7	12	25.17	25.17	-
02/07/2017 13:00	2	7	13	24.42	24.42	-
02/07/2017 14:00	2	7	14	23.48	23.48	-
02/07/2017 15:00	2	7	15	23.08	23.08	-
02/07/2017 16:00	2	7	16	22.68	22.68	-
02/07/2017 17:00	2	7	17	25.08	-	25.08
02/07/2017 18:00	2	7	18	26.67	-	26.67
02/07/2017 19:00	2	7	19	25.45	-	25.45
02/07/2017 20:00	2	7	20	24.51	-	24.51
02/07/2017 21:00	2	7	21	23.21	-	23.21
02/07/2017 22:00	2	7	22	21.38	-	21.38
02/07/2017 23:00	2	7	23	19.55	-	19.55
02/08/2017 0:00	2	8	0	20.07	-	20.07
02/08/2017 1:00	2	8	1	20.04	-	20.04
02/08/2017 2:00	2	8	2	19.99	-	19.99
02/08/2017 3:00	2	8	3	19.92	-	19.92
02/08/2017 4:00	2	8	4	20.25	-	20.25
02/08/2017 5:00	2	8	5	21.25	-	21.25
02/08/2017 6:00	2	8	6	26.26	-	26.26
02/08/2017 7:00	2	8	7	27.66	-	27.66
02/08/2017 8:00	2	8	8	26.16	26.16	-
02/08/2017 9:00	2	8	9	27.17	27.17	-
02/08/2017 10:00	2	8	10	26.78	26.78	-
02/08/2017 11:00	2	8	11	27.21	27.21	-
02/08/2017 12:00	2	8	12	25.82	25.82	-
02/08/2017 13:00	2	8	13	25.53	25.53	-
02/08/2017 14:00	2	8	14	24.68	24.68	-
02/08/2017 15:00	2	8	15	24.30	24.3	-
02/08/2017 16:00	2	8	16	24.61	24.61	-
02/08/2017 17:00	2	8	17	29.36	-	29.36
02/08/2017 18:00	2	8	18	32.65	-	32.65
02/08/2017 19:00	2	8	19	31.21	-	31.21

02/08/2017 20:00	2	8	20	29.49	-	29.49
02/08/2017 21:00	2	8	21	26.53	-	26.53
02/08/2017 22:00	2	8	22	23.54	-	23.54
02/08/2017 23:00	2	8	23	21.71	-	21.71
02/09/2017 0:00	2	9	0	22.21	-	22.21
02/09/2017 1:00	2	9	1	22.14	-	22.14
02/09/2017 2:00	2	9	2	22.06	-	22.06
02/09/2017 3:00	2	9	3	22.13	-	22.13
02/09/2017 4:00	2	9	4	22.57	-	22.57
02/09/2017 5:00	2	9	5	24.29	-	24.29
02/09/2017 6:00	2	9	6	31.36	-	31.36
02/09/2017 7:00	2	9	7	35.09	-	35.09
02/09/2017 8:00	2	9	8	33.22	33.22	-
02/09/2017 9:00	2	9	9	35.27	35.27	-
02/09/2017 10:00	2	9	10	34.81	34.81	-
02/09/2017 11:00	2	9	11	34.69	34.69	-
02/09/2017 12:00	2	9	12	33.04	33.04	-
02/09/2017 13:00	2	9	13	32.42	32.42	-
02/09/2017 14:00	2	9	14	30.52	30.52	-
02/09/2017 15:00	2	9	15	30.12	30.12	-
02/09/2017 16:00	2	9	16	30.33	30.33	-
02/09/2017 17:00	2	9	17	38.79	-	38.79
02/09/2017 18:00	2	9	18	42.65	-	42.65
02/09/2017 19:00	2	9	19	40.66	-	40.66
02/09/2017 20:00	2	9	20	38.01	-	38.01
02/09/2017 21:00	2	9	21	38.67	-	38.67
02/09/2017 22:00	2	9	22	33.68	-	33.68
02/09/2017 23:00	2	9	23	29.01	-	29.01
02/10/2017 0:00	2	10	0	27.64	-	27.64
02/10/2017 1:00	2	10	1	26.16	-	26.16
02/10/2017 2:00	2	10	2	25.81	-	25.81
02/10/2017 3:00	2	10	3	25.96	-	25.96
02/10/2017 4:00	2	10	4	27.72	-	27.72
02/10/2017 5:00	2	10	5	33.08	-	33.08
02/10/2017 6:00	2	10	6	48.43	-	48.43
02/10/2017 7:00	2	10	7	45.59	-	45.59
02/10/2017 8:00	2	10	8	39.05	39.05	-
02/10/2017 9:00	2	10	9	37.44	37.44	-
02/10/2017 10:00	2	10	10	36.02	36.02	-
02/10/2017 11:00	2	10	11	32.02	32.02	-
02/10/2017 12:00	2	10	12	28.17	28.17	-
02/10/2017 13:00	2	10	13	27.06	27.06	-
02/10/2017 14:00	2	10	14	26.13	26.13	-
02/10/2017 15:00	2	10	15	25.82	25.82	-
02/10/2017 16:00	2	10	16	26.32	26.32	-
02/10/2017 17:00	2	10	17	30.31	-	30.31
02/10/2017 18:00	2	10	18	35.11	-	35.11

02/10/2017 19:00	2	10	19		31.40	-	31.4
02/10/2017 20:00	2	10	20		29.13	-	29.13
02/10/2017 21:00	2	10	21		27.09	-	27.09
02/10/2017 22:00	2	10	22		25.48	-	25.48
02/10/2017 23:00	2	10	23		23.61	-	23.61
02/11/2017 0:00	2	11	0	W	22.26	-	22.26
02/11/2017 1:00	2	11	1	W	22.04	-	22.04
02/11/2017 2:00	2	11	2	W	21.93	-	21.93
02/11/2017 3:00	2	11	3	W	21.95	-	21.95
02/11/2017 4:00	2	11	4	W	21.95	-	21.95
02/11/2017 5:00	2	11	5	W	22.12	-	22.12
02/11/2017 6:00	2	11	6	W	23.35	-	23.35
02/11/2017 7:00	2	11	7	W	24.85	-	24.85
02/11/2017 8:00	2	11	8	W	25.17	-	25.17
02/11/2017 9:00	2	11	9	W	25.55	-	25.55
02/11/2017 10:00	2	11	10	W	25.22	-	25.22
02/11/2017 11:00	2	11	11	W	24.19	-	24.19
02/11/2017 12:00	2	11	12	W	22.91	-	22.91
02/11/2017 13:00	2	11	13	W	22.37	-	22.37
02/11/2017 14:00	2	11	14	W	22.01	-	22.01
02/11/2017 15:00	2	11	15	W	21.82	-	21.82
02/11/2017 16:00	2	11	16	W	22.04	-	22.04
02/11/2017 17:00	2	11	17	W	23.68	-	23.68
02/11/2017 18:00	2	11	18	W	25.51	-	25.51
02/11/2017 19:00	2	11	19	W	24.07	-	24.07
02/11/2017 20:00	2	11	20	W	23.69	-	23.69
02/11/2017 21:00	2	11	21	W	22.92	-	22.92
02/11/2017 22:00	2	11	22	W	21.69	-	21.69
02/11/2017 23:00	2	11	23	W	21.44	-	21.44
02/12/2017 0:00	2	12	0	W	21.22	-	21.22
02/12/2017 1:00	2	12	1	W	20.86	-	20.86
02/12/2017 2:00	2	12	2	W	20.84	-	20.84
02/12/2017 3:00	2	12	3	W	20.75	-	20.75
02/12/2017 4:00	2	12	4	W	20.80	-	20.8
02/12/2017 5:00	2	12	5	W	20.88	-	20.88
02/12/2017 6:00	2	12	6	W	21.62	-	21.62
02/12/2017 7:00	2	12	7	W	21.82	-	21.82
02/12/2017 8:00	2	12	8	W	22.00	-	22
02/12/2017 9:00	2	12	9	W	22.52	-	22.52
02/12/2017 10:00	2	12	10	W	22.65	-	22.65
02/12/2017 11:00	2	12	11	W	22.64	-	22.64
02/12/2017 12:00	2	12	12	W	22.31	-	22.31
02/12/2017 13:00	2	12	13	W	22.05	-	22.05
02/12/2017 14:00	2	12	14	W	21.69	-	21.69
02/12/2017 15:00	2	12	15	W	21.78	-	21.78
02/12/2017 16:00	2	12	16	W	22.41	-	22.41
02/12/2017 17:00	2	12	17	W	24.43	-	24.43

02/12/2017 18:00	2	12	18	W	26.73	-	26.73
02/12/2017 19:00	2	12	19	W	25.58	-	25.58
02/12/2017 20:00	2	12	20	W	24.92	-	24.92
02/12/2017 21:00	2	12	21	W	23.51	-	23.51
02/12/2017 22:00	2	12	22	W	22.67	-	22.67
02/12/2017 23:00	2	12	23	W	21.22	-	21.22
02/13/2017 0:00	2	13	0		20.64	-	20.64
02/13/2017 1:00	2	13	1		20.67	-	20.67
02/13/2017 2:00	2	13	2		20.70	-	20.7
02/13/2017 3:00	2	13	3		21.07	-	21.07
02/13/2017 4:00	2	13	4		22.28	-	22.28
02/13/2017 5:00	2	13	5		23.83	-	23.83
02/13/2017 6:00	2	13	6		30.15	-	30.15
02/13/2017 7:00	2	13	7		31.48	-	31.48
02/13/2017 8:00	2	13	8		29.25	29.25	-
02/13/2017 9:00	2	13	9		28.93	28.93	-
02/13/2017 10:00	2	13	10		28.82	28.82	-
02/13/2017 11:00	2	13	11		28.12	28.12	-
02/13/2017 12:00	2	13	12		26.81	26.81	-
02/13/2017 13:00	2	13	13		25.90	25.9	-
02/13/2017 14:00	2	13	14		24.89	24.89	-
02/13/2017 15:00	2	13	15		24.60	24.6	-
02/13/2017 16:00	2	13	16		25.28	25.28	-
02/13/2017 17:00	2	13	17		30.63	-	30.63
02/13/2017 18:00	2	13	18		34.33	-	34.33
02/13/2017 19:00	2	13	19		32.01	-	32.01
02/13/2017 20:00	2	13	20		31.43	-	31.43
02/13/2017 21:00	2	13	21		29.28	-	29.28
02/13/2017 22:00	2	13	22		25.22	-	25.22
02/13/2017 23:00	2	13	23		23.99	-	23.99
02/14/2017 0:00	2	14	0		23.54	-	23.54
02/14/2017 1:00	2	14	1		23.37	-	23.37
02/14/2017 2:00	2	14	2		23.37	-	23.37
02/14/2017 3:00	2	14	3		23.45	-	23.45
02/14/2017 4:00	2	14	4		23.75	-	23.75
02/14/2017 5:00	2	14	5		26.87	-	26.87
02/14/2017 6:00	2	14	6		41.57	-	41.57
02/14/2017 7:00	2	14	7		40.95	-	40.95
02/14/2017 8:00	2	14	8		35.88	35.88	-
02/14/2017 9:00	2	14	9		33.60	33.6	-
02/14/2017 10:00	2	14	10		31.19	31.19	-
02/14/2017 11:00	2	14	11		28.92	28.92	-
02/14/2017 12:00	2	14	12		26.70	26.7	-
02/14/2017 13:00	2	14	13		25.64	25.64	-
02/14/2017 14:00	2	14	14		24.46	24.46	-
02/14/2017 15:00	2	14	15		23.97	23.97	-
02/14/2017 16:00	2	14	16		24.73	24.73	-

02/14/2017 17:00	2	14	17	27.44	-	27.44
02/14/2017 18:00	2	14	18	34.49	-	34.49
02/14/2017 19:00	2	14	19	31.55	-	31.55
02/14/2017 20:00	2	14	20	31.00	-	31
02/14/2017 21:00	2	14	21	26.67	-	26.67
02/14/2017 22:00	2	14	22	23.99	-	23.99
02/14/2017 23:00	2	14	23	23.30	-	23.3
02/15/2017 0:00	2	15	0	22.78	-	22.78
02/15/2017 1:00	2	15	1	21.96	-	21.96
02/15/2017 2:00	2	15	2	21.95	-	21.95
02/15/2017 3:00	2	15	3	21.92	-	21.92
02/15/2017 4:00	2	15	4	22.10	-	22.1
02/15/2017 5:00	2	15	5	23.70	-	23.7
02/15/2017 6:00	2	15	6	31.54	-	31.54
02/15/2017 7:00	2	15	7	32.93	-	32.93
02/15/2017 8:00	2	15	8	29.95	29.95	-
02/15/2017 9:00	2	15	9	29.55	29.55	-
02/15/2017 10:00	2	15	10	28.58	28.58	-
02/15/2017 11:00	2	15	11	26.82	26.82	-
02/15/2017 12:00	2	15	12	25.34	25.34	-
02/15/2017 13:00	2	15	13	24.97	24.97	-
02/15/2017 14:00	2	15	14	24.49	24.49	-
02/15/2017 15:00	2	15	15	24.10	24.1	-
02/15/2017 16:00	2	15	16	24.98	24.98	-
02/15/2017 17:00	2	15	17	30.62	-	30.62
02/15/2017 18:00	2	15	18	38.03	-	38.03
02/15/2017 19:00	2	15	19	35.51	-	35.51
02/15/2017 20:00	2	15	20	35.23	-	35.23
02/15/2017 21:00	2	15	21	30.49	-	30.49
02/15/2017 22:00	2	15	22	24.93	-	24.93
02/15/2017 23:00	2	15	23	24.20	-	24.2
02/16/2017 0:00	2	16	0	24.48	-	24.48
02/16/2017 1:00	2	16	1	24.30	-	24.3
02/16/2017 2:00	2	16	2	23.88	-	23.88
02/16/2017 3:00	2	16	3	24.19	-	24.19
02/16/2017 4:00	2	16	4	24.50	-	24.5
02/16/2017 5:00	2	16	5	28.17	-	28.17
02/16/2017 6:00	2	16	6	41.09	-	41.09
02/16/2017 7:00	2	16	7	42.23	-	42.23
02/16/2017 8:00	2	16	8	38.02	38.02	-
02/16/2017 9:00	2	16	9	35.78	35.78	-
02/16/2017 10:00	2	16	10	33.91	33.91	-
02/16/2017 11:00	2	16	11	31.83	31.83	-
02/16/2017 12:00	2	16	12	29.16	29.16	-
02/16/2017 13:00	2	16	13	28.03	28.03	-
02/16/2017 14:00	2	16	14	26.89	26.89	-
02/16/2017 15:00	2	16	15	26.49	26.49	-

02/16/2017 16:00	2	16	16		27.40	27.4	-
02/16/2017 17:00	2	16	17		31.21	-	31.21
02/16/2017 18:00	2	16	18		40.96	-	40.96
02/16/2017 19:00	2	16	19		37.52	-	37.52
02/16/2017 20:00	2	16	20		36.09	-	36.09
02/16/2017 21:00	2	16	21		33.71	-	33.71
02/16/2017 22:00	2	16	22		27.53	-	27.53
02/16/2017 23:00	2	16	23		26.22	-	26.22
02/17/2017 0:00	2	17	0		23.93	-	23.93
02/17/2017 1:00	2	17	1		23.35	-	23.35
02/17/2017 2:00	2	17	2		23.14	-	23.14
02/17/2017 3:00	2	17	3		23.24	-	23.24
02/17/2017 4:00	2	17	4		23.78	-	23.78
02/17/2017 5:00	2	17	5		26.75	-	26.75
02/17/2017 6:00	2	17	6		40.94	-	40.94
02/17/2017 7:00	2	17	7		39.76	-	39.76
02/17/2017 8:00	2	17	8		31.54	31.54	-
02/17/2017 9:00	2	17	9		30.26	30.26	-
02/17/2017 10:00	2	17	10		28.53	28.53	-
02/17/2017 11:00	2	17	11		26.89	26.89	-
02/17/2017 12:00	2	17	12		25.29	25.29	-
02/17/2017 13:00	2	17	13		24.47	24.47	-
02/17/2017 14:00	2	17	14		23.48	23.48	-
02/17/2017 15:00	2	17	15		22.88	22.88	-
02/17/2017 16:00	2	17	16		23.16	23.16	-
02/17/2017 17:00	2	17	17		24.61	-	24.61
02/17/2017 18:00	2	17	18		28.62	-	28.62
02/17/2017 19:00	2	17	19		27.03	-	27.03
02/17/2017 20:00	2	17	20		26.09	-	26.09
02/17/2017 21:00	2	17	21		25.06	-	25.06
02/17/2017 22:00	2	17	22		22.35	-	22.35
02/17/2017 23:00	2	17	23		21.16	-	21.16
02/18/2017 0:00	2	18	0	W	21.57	-	21.57
02/18/2017 1:00	2	18	1	W	21.19	-	21.19
02/18/2017 2:00	2	18	2	W	21.34	-	21.34
02/18/2017 3:00	2	18	3	W	21.29	-	21.29
02/18/2017 4:00	2	18	4	W	21.27	-	21.27
02/18/2017 5:00	2	18	5	W	21.85	-	21.85
02/18/2017 6:00	2	18	6	W	24.31	-	24.31
02/18/2017 7:00	2	18	7	W	27.43	-	27.43
02/18/2017 8:00	2	18	8	W	28.51	-	28.51
02/18/2017 9:00	2	18	9	W	28.82	-	28.82
02/18/2017 10:00	2	18	10	W	26.74	-	26.74
02/18/2017 11:00	2	18	11	W	25.18	-	25.18
02/18/2017 12:00	2	18	12	W	23.93	-	23.93
02/18/2017 13:00	2	18	13	W	22.71	-	22.71
02/18/2017 14:00	2	18	14	W	22.17	-	22.17



02/18/2017 15:00	2	18	15	W	21.92	-	21.92
02/18/2017 16:00	2	18	16	W	22.22	-	22.22
02/18/2017 17:00	2	18	17	W	23.46	-	23.46
02/18/2017 18:00	2	18	18	W	27.48	-	27.48
02/18/2017 19:00	2	18	19	W	25.95	-	25.95
02/18/2017 20:00	2	18	20	W	25.25	-	25.25
02/18/2017 21:00	2	18	21	W	23.93	-	23.93
02/18/2017 22:00	2	18	22	W	22.03	-	22.03
02/18/2017 23:00	2	18	23	W	20.90	-	20.9
02/19/2017 0:00	2	19	0	W	20.78	-	20.78
02/19/2017 1:00	2	19	1	W	20.54	-	20.54
02/19/2017 2:00	2	19	2	W	20.41	-	20.41
02/19/2017 3:00	2	19	3	W	20.38	-	20.38
02/19/2017 4:00	2	19	4	W	20.39	-	20.39
02/19/2017 5:00	2	19	5	W	20.44	-	20.44
02/19/2017 6:00	2	19	6	W	21.04	-	21.04
02/19/2017 7:00	2	19	7	W	22.14	-	22.14
02/19/2017 8:00	2	19	8	W	23.66	-	23.66
02/19/2017 9:00	2	19	9	W	23.83	-	23.83
02/19/2017 10:00	2	19	10	W	23.53	-	23.53
02/19/2017 11:00	2	19	11	W	23.26	-	23.26
02/19/2017 12:00	2	19	12	W	23.25	-	23.25
02/19/2017 13:00	2	19	13	W	22.83	-	22.83
02/19/2017 14:00	2	19	14	W	22.36	-	22.36
02/19/2017 15:00	2	19	15	W	22.06	-	22.06
02/19/2017 16:00	2	19	16	W	22.24	-	22.24
02/19/2017 17:00	2	19	17	W	26.82	-	26.82
02/19/2017 18:00	2	19	18	W	33.37	-	33.37
02/19/2017 19:00	2	19	19	W	31.29	-	31.29
02/19/2017 20:00	2	19	20	W	27.62	-	27.62
02/19/2017 21:00	2	19	21	W	24.62	-	24.62
02/19/2017 22:00	2	19	22	W	21.97	-	21.97
02/19/2017 23:00	2	19	23	W	21.17	-	21.17
02/20/2017 0:00	2	20	0		21.36	-	21.36
02/20/2017 1:00	2	20	1		21.02	-	21.02
02/20/2017 2:00	2	20	2		20.97	-	20.97
02/20/2017 3:00	2	20	3		21.00	-	21
02/20/2017 4:00	2	20	4		21.50	-	21.5
02/20/2017 5:00	2	20	5		23.40	-	23.4
02/20/2017 6:00	2	20	6		29.65	-	29.65
02/20/2017 7:00	2	20	7		32.77	-	32.77
02/20/2017 8:00	2	20	8		31.62	31.62	-
02/20/2017 9:00	2	20	9		31.80	31.8	-
02/20/2017 10:00	2	20	10		31.54	31.54	-
02/20/2017 11:00	2	20	11		29.66	29.66	-
02/20/2017 12:00	2	20	12		27.30	27.3	-
02/20/2017 13:00	2	20	13		25.20	25.2	-

02/20/2017 14:00	2	20	14	24.35	24.35	-
02/20/2017 15:00	2	20	15	24.14	24.14	-
02/20/2017 16:00	2	20	16	25.03	25.03	-
02/20/2017 17:00	2	20	17	30.11	-	30.11
02/20/2017 18:00	2	20	18	34.87	-	34.87
02/20/2017 19:00	2	20	19	31.65	-	31.65
02/20/2017 20:00	2	20	20	31.28	-	31.28
02/20/2017 21:00	2	20	21	27.08	-	27.08
02/20/2017 22:00	2	20	22	23.15	-	23.15
02/20/2017 23:00	2	20	23	21.95	-	21.95
02/21/2017 0:00	2	21	0	22.24	-	22.24
02/21/2017 1:00	2	21	1	21.59	-	21.59
02/21/2017 2:00	2	21	2	21.46	-	21.46
02/21/2017 3:00	2	21	3	21.46	-	21.46
02/21/2017 4:00	2	21	4	21.91	-	21.91
02/21/2017 5:00	2	21	5	24.30	-	24.3
02/21/2017 6:00	2	21	6	33.31	-	33.31
02/21/2017 7:00	2	21	7	33.85	-	33.85
02/21/2017 8:00	2	21	8	31.71	31.71	-
02/21/2017 9:00	2	21	9	30.48	30.48	-
02/21/2017 10:00	2	21	10	29.76	29.76	-
02/21/2017 11:00	2	21	11	28.07	28.07	-
02/21/2017 12:00	2	21	12	26.86	26.86	-
02/21/2017 13:00	2	21	13	25.46	25.46	-
02/21/2017 14:00	2	21	14	24.66	24.66	-
02/21/2017 15:00	2	21	15	24.55	24.55	-
02/21/2017 16:00	2	21	16	24.96	24.96	-
02/21/2017 17:00	2	21	17	27.94	-	27.94
02/21/2017 18:00	2	21	18	33.70	-	33.7
02/21/2017 19:00	2	21	19	32.84	-	32.84
02/21/2017 20:00	2	21	20	29.26	-	29.26
02/21/2017 21:00	2	21	21	24.91	-	24.91
02/21/2017 22:00	2	21	22	22.20	-	22.2
02/21/2017 23:00	2	21	23	21.71	-	21.71
02/22/2017 0:00	2	22	0	21.13	-	21.13
02/22/2017 1:00	2	22	1	20.32	-	20.32
02/22/2017 2:00	2	22	2	20.18	-	20.18
02/22/2017 3:00	2	22	3	20.13	-	20.13
02/22/2017 4:00	2	22	4	20.36	-	20.36
02/22/2017 5:00	2	22	5	21.41	-	21.41
02/22/2017 6:00	2	22	6	28.70	-	28.7
02/22/2017 7:00	2	22	7	29.42	-	29.42
02/22/2017 8:00	2	22	8	27.55	27.55	-
02/22/2017 9:00	2	22	9	26.75	26.75	-
02/22/2017 10:00	2	22	10	26.92	26.92	-
02/22/2017 11:00	2	22	11	26.15	26.15	-
02/22/2017 12:00	2	22	12	25.07	25.07	-

02/22/2017 13:00	2	22	13	24.28	24.28	-
02/22/2017 14:00	2	22	14	23.72	23.72	-
02/22/2017 15:00	2	22	15	23.28	23.28	-
02/22/2017 16:00	2	22	16	23.50	23.5	-
02/22/2017 17:00	2	22	17	25.26	-	25.26
02/22/2017 18:00	2	22	18	30.33	-	30.33
02/22/2017 19:00	2	22	19	27.42	-	27.42
02/22/2017 20:00	2	22	20	25.82	-	25.82
02/22/2017 21:00	2	22	21	23.37	-	23.37
02/22/2017 22:00	2	22	22	21.68	-	21.68
02/22/2017 23:00	2	22	23	20.18	-	20.18
02/23/2017 0:00	2	23	0	20.40	-	20.4
02/23/2017 1:00	2	23	1	20.20	-	20.2
02/23/2017 2:00	2	23	2	20.10	-	20.1
02/23/2017 3:00	2	23	3	20.06	-	20.06
02/23/2017 4:00	2	23	4	20.09	-	20.09
02/23/2017 5:00	2	23	5	21.07	-	21.07
02/23/2017 6:00	2	23	6	28.64	-	28.64
02/23/2017 7:00	2	23	7	29.49	-	29.49
02/23/2017 8:00	2	23	8	28.51	28.51	-
02/23/2017 9:00	2	23	9	28.45	28.45	-
02/23/2017 10:00	2	23	10	29.66	29.66	-
02/23/2017 11:00	2	23	11	28.04	28.04	-
02/23/2017 12:00	2	23	12	27.98	27.98	-
02/23/2017 13:00	2	23	13	26.95	26.95	-
02/23/2017 14:00	2	23	14	25.79	25.79	-
02/23/2017 15:00	2	23	15	25.62	25.62	-
02/23/2017 16:00	2	23	16	25.40	25.4	-
02/23/2017 17:00	2	23	17	27.41	-	27.41
02/23/2017 18:00	2	23	18	33.58	-	33.58
02/23/2017 19:00	2	23	19	32.40	-	32.4
02/23/2017 20:00	2	23	20	29.07	-	29.07
02/23/2017 21:00	2	23	21	24.96	-	24.96
02/23/2017 22:00	2	23	22	21.75	-	21.75
02/23/2017 23:00	2	23	23	20.39	-	20.39
02/24/2017 0:00	2	24	0	18.56	-	18.56
02/24/2017 1:00	2	24	1	17.73	-	17.73
02/24/2017 2:00	2	24	2	17.55	-	17.55
02/24/2017 3:00	2	24	3	17.47	-	17.47
02/24/2017 4:00	2	24	4	17.78	-	17.78
02/24/2017 5:00	2	24	5	19.56	-	19.56
02/24/2017 6:00	2	24	6	25.84	-	25.84
02/24/2017 7:00	2	24	7	26.89	-	26.89
02/24/2017 8:00	2	24	8	26.02	26.02	-
02/24/2017 9:00	2	24	9	26.00	26	-
02/24/2017 10:00	2	24	10	26.22	26.22	-
02/24/2017 11:00	2	24	11	25.34	25.34	-

02/24/2017 12:00	2	24	12		25.00	25	-
02/24/2017 13:00	2	24	13		24.86	24.86	-
02/24/2017 14:00	2	24	14		24.03	24.03	-
02/24/2017 15:00	2	24	15		23.65	23.65	-
02/24/2017 16:00	2	24	16		23.94	23.94	-
02/24/2017 17:00	2	24	17		24.46	-	24.46
02/24/2017 18:00	2	24	18		27.39	-	27.39
02/24/2017 19:00	2	24	19		26.74	-	26.74
02/24/2017 20:00	2	24	20		24.82	-	24.82
02/24/2017 21:00	2	24	21		22.70	-	22.7
02/24/2017 22:00	2	24	22		20.66	-	20.66
02/24/2017 23:00	2	24	23		19.32	-	19.32
02/25/2017 0:00	2	25	0	W	19.80	-	19.8
02/25/2017 1:00	2	25	1	W	19.90	-	19.9
02/25/2017 2:00	2	25	2	W	19.71	-	19.71
02/25/2017 3:00	2	25	3	W	19.66	-	19.66
02/25/2017 4:00	2	25	4	W	19.71	-	19.71
02/25/2017 5:00	2	25	5	W	20.04	-	20.04
02/25/2017 6:00	2	25	6	W	21.12	-	21.12
02/25/2017 7:00	2	25	7	W	22.66	-	22.66
02/25/2017 8:00	2	25	8	W	24.42	-	24.42
02/25/2017 9:00	2	25	9	W	25.33	-	25.33
02/25/2017 10:00	2	25	10	W	26.25	-	26.25
02/25/2017 11:00	2	25	11	W	25.58	-	25.58
02/25/2017 12:00	2	25	12	W	25.10	-	25.1
02/25/2017 13:00	2	25	13	W	24.63	-	24.63
02/25/2017 14:00	2	25	14	W	24.04	-	24.04
02/25/2017 15:00	2	25	15	W	23.79	-	23.79
02/25/2017 16:00	2	25	16	W	24.24	-	24.24
02/25/2017 17:00	2	25	17	W	26.46	-	26.46
02/25/2017 18:00	2	25	18	W	33.97	-	33.97
02/25/2017 19:00	2	25	19	W	35.34	-	35.34
02/25/2017 20:00	2	25	20	W	30.89	-	30.89
02/25/2017 21:00	2	25	21	W	27.98	-	27.98
02/25/2017 22:00	2	25	22	W	24.43	-	24.43
02/25/2017 23:00	2	25	23	W	22.59	-	22.59
02/26/2017 0:00	2	26	0	W	22.31	-	22.31
02/26/2017 1:00	2	26	1	W	22.18	-	22.18
02/26/2017 2:00	2	26	2	W	22.22	-	22.22
02/26/2017 3:00	2	26	3	W	22.24	-	22.24
02/26/2017 4:00	2	26	4	W	22.38	-	22.38
02/26/2017 5:00	2	26	5	W	23.84	-	23.84
02/26/2017 6:00	2	26	6	W	25.63	-	25.63
02/26/2017 7:00	2	26	7	W	26.93	-	26.93
02/26/2017 8:00	2	26	8	W	27.48	-	27.48
02/26/2017 9:00	2	26	9	W	27.46	-	27.46
02/26/2017 10:00	2	26	10	W	26.09	-	26.09

02/26/2017 11:00	2	26	11	W	24.93	-	24.93
02/26/2017 12:00	2	26	12	W	24.27	-	24.27
02/26/2017 13:00	2	26	13	W	23.38	-	23.38
02/26/2017 14:00	2	26	14	W	22.63	-	22.63
02/26/2017 15:00	2	26	15	W	22.49	-	22.49
02/26/2017 16:00	2	26	16	W	23.32	-	23.32
02/26/2017 17:00	2	26	17	W	27.28	-	27.28
02/26/2017 18:00	2	26	18	W	35.31	-	35.31
02/26/2017 19:00	2	26	19	W	36.18	-	36.18
02/26/2017 20:00	2	26	20	W	32.67	-	32.67
02/26/2017 21:00	2	26	21	W	28.65	-	28.65
02/26/2017 22:00	2	26	22	W	24.66	-	24.66
02/26/2017 23:00	2	26	23	W	22.98	-	22.98
02/27/2017 0:00	2	27	0		22.19	-	22.19
02/27/2017 1:00	2	27	1		22.02	-	22.02
02/27/2017 2:00	2	27	2		22.17	-	22.17
02/27/2017 3:00	2	27	3		22.28	-	22.28
02/27/2017 4:00	2	27	4		23.50	-	23.5
02/27/2017 5:00	2	27	5		28.52	-	28.52
02/27/2017 6:00	2	27	6		38.98	-	38.98
02/27/2017 7:00	2	27	7		37.09	-	37.09
02/27/2017 8:00	2	27	8		35.59	35.59	-
02/27/2017 9:00	2	27	9		34.56	34.56	-
02/27/2017 10:00	2	27	10		34.17	34.17	-
02/27/2017 11:00	2	27	11		31.56	31.56	-
02/27/2017 12:00	2	27	12		28.53	28.53	-
02/27/2017 13:00	2	27	13		26.64	26.64	-
02/27/2017 14:00	2	27	14		25.58	25.58	-
02/27/2017 15:00	2	27	15		24.98	24.98	-
02/27/2017 16:00	2	27	16		25.18	25.18	-
02/27/2017 17:00	2	27	17		28.94	-	28.94
02/27/2017 18:00	2	27	18		34.66	-	34.66
02/27/2017 19:00	2	27	19		34.98	-	34.98
02/27/2017 20:00	2	27	20		30.62	-	30.62
02/27/2017 21:00	2	27	21		26.77	-	26.77
02/27/2017 22:00	2	27	22		22.39	-	22.39
02/27/2017 23:00	2	27	23		21.85	-	21.85
02/28/2017 0:00	2	28	0		20.15	-	20.15
02/28/2017 1:00	2	28	1		19.80	-	19.8
02/28/2017 2:00	2	28	2		19.56	-	19.56
02/28/2017 3:00	2	28	3		19.70	-	19.7
02/28/2017 4:00	2	28	4		19.81	-	19.81
02/28/2017 5:00	2	28	5		21.56	-	21.56
02/28/2017 6:00	2	28	6		30.71	-	30.71
02/28/2017 7:00	2	28	7		29.82	-	29.82
02/28/2017 8:00	2	28	8		28.51	28.51	-
02/28/2017 9:00	2	28	9		27.57	27.57	-

02/28/2017 10:00	2	28	10	27.56	27.56	-
02/28/2017 11:00	2	28	11	26.18	26.18	-
02/28/2017 12:00	2	28	12	25.34	25.34	-
02/28/2017 13:00	2	28	13	24.85	24.85	-
02/28/2017 14:00	2	28	14	24.41	24.41	-
02/28/2017 15:00	2	28	15	23.68	23.68	-
02/28/2017 16:00	2	28	16	23.35	23.35	-
02/28/2017 17:00	2	28	17	24.12	-	24.12
02/28/2017 18:00	2	28	18	29.11	-	29.11
02/28/2017 19:00	2	28	19	29.07	-	29.07
02/28/2017 20:00	2	28	20	26.33	-	26.33
02/28/2017 21:00	2	28	21	23.80	-	23.8
02/28/2017 22:00	2	28	22	21.17	-	21.17
02/28/2017 23:00	2	28	23	19.68	-	19.68
03/01/2017 0:00	3	1	0	18.04	-	18.04
03/01/2017 1:00	3	1	1	18.19	-	18.19
03/01/2017 2:00	3	1	2	18.10	-	18.1
03/01/2017 3:00	3	1	3	18.16	-	18.16
03/01/2017 4:00	3	1	4	18.14	-	18.14
03/01/2017 5:00	3	1	5	19.74	-	19.74
03/01/2017 6:00	3	1	6	23.35	-	23.35
03/01/2017 7:00	3	1	7	25.13	-	25.13
03/01/2017 8:00	3	1	8	24.96	24.96	-
03/01/2017 9:00	3	1	9	25.39	25.39	-
03/01/2017 10:00	3	1	10	25.98	25.98	-
03/01/2017 11:00	3	1	11	25.29	25.29	-
03/01/2017 12:00	3	1	12	25.50	25.5	-
03/01/2017 13:00	3	1	13	25.32	25.32	-
03/01/2017 14:00	3	1	14	24.74	24.74	-
03/01/2017 15:00	3	1	15	24.39	24.39	-
03/01/2017 16:00	3	1	16	24.37	24.37	-
03/01/2017 17:00	3	1	17	24.88	-	24.88
03/01/2017 18:00	3	1	18	29.66	-	29.66
03/01/2017 19:00	3	1	19	28.99	-	28.99
03/01/2017 20:00	3	1	20	27.31	-	27.31
03/01/2017 21:00	3	1	21	24.35	-	24.35
03/01/2017 22:00	3	1	22	21.84	-	21.84
03/01/2017 23:00	3	1	23	20.07	-	20.07
03/02/2017 0:00	3	2	0	20.76	-	20.76
03/02/2017 1:00	3	2	1	20.73	-	20.73
03/02/2017 2:00	3	2	2	20.51	-	20.51
03/02/2017 3:00	3	2	3	20.58	-	20.58
03/02/2017 4:00	3	2	4	20.79	-	20.79
03/02/2017 5:00	3	2	5	22.44	-	22.44
03/02/2017 6:00	3	2	6	29.21	-	29.21
03/02/2017 7:00	3	2	7	33.89	-	33.89
03/02/2017 8:00	3	2	8	31.28	31.28	-

03/02/2017 9:00	3	2	9		31.45	31.45	-
03/02/2017 10:00	3	2	10		31.08	31.08	-
03/02/2017 11:00	3	2	11		29.24	29.24	-
03/02/2017 12:00	3	2	12		28.52	28.52	-
03/02/2017 13:00	3	2	13		27.68	27.68	-
03/02/2017 14:00	3	2	14		25.99	25.99	-
03/02/2017 15:00	3	2	15		25.36	25.36	-
03/02/2017 16:00	3	2	16		25.60	25.6	-
03/02/2017 17:00	3	2	17		29.03	-	29.03
03/02/2017 18:00	3	2	18		34.99	-	34.99
03/02/2017 19:00	3	2	19		34.46	-	34.46
03/02/2017 20:00	3	2	20		35.95	-	35.95
03/02/2017 21:00	3	2	21		31.27	-	31.27
03/02/2017 22:00	3	2	22		25.66	-	25.66
03/02/2017 23:00	3	2	23		23.09	-	23.09
03/03/2017 0:00	3	3	0		23.81	-	23.81
03/03/2017 1:00	3	3	1		23.65	-	23.65
03/03/2017 2:00	3	3	2		23.52	-	23.52
03/03/2017 3:00	3	3	3		23.84	-	23.84
03/03/2017 4:00	3	3	4		24.14	-	24.14
03/03/2017 5:00	3	3	5		29.02	-	29.02
03/03/2017 6:00	3	3	6		42.00	-	42
03/03/2017 7:00	3	3	7		44.59	-	44.59
03/03/2017 8:00	3	3	8		39.81	39.81	-
03/03/2017 9:00	3	3	9		38.45	38.45	-
03/03/2017 10:00	3	3	10		36.19	36.19	-
03/03/2017 11:00	3	3	11		33.09	33.09	-
03/03/2017 12:00	3	3	12		29.46	29.46	-
03/03/2017 13:00	3	3	13		29.10	29.1	-
03/03/2017 14:00	3	3	14		27.12	27.12	-
03/03/2017 15:00	3	3	15		26.25	26.25	-
03/03/2017 16:00	3	3	16		26.92	26.92	-
03/03/2017 17:00	3	3	17		31.63	-	31.63
03/03/2017 18:00	3	3	18		39.34	-	39.34
03/03/2017 19:00	3	3	19		39.09	-	39.09
03/03/2017 20:00	3	3	20		37.80	-	37.8
03/03/2017 21:00	3	3	21		33.14	-	33.14
03/03/2017 22:00	3	3	22		28.94	-	28.94
03/03/2017 23:00	3	3	23		24.78	-	24.78
03/04/2017 0:00	3	4	0	W	29.61	-	29.61
03/04/2017 1:00	3	4	1	W	28.37	-	28.37
03/04/2017 2:00	3	4	2	W	27.74	-	27.74
03/04/2017 3:00	3	4	3	W	27.75	-	27.75
03/04/2017 4:00	3	4	4	W	27.29	-	27.29
03/04/2017 5:00	3	4	5	W	31.31	-	31.31
03/04/2017 6:00	3	4	6	W	37.93	-	37.93
03/04/2017 7:00	3	4	7	W	38.91	-	38.91

03/04/2017 8:00	3	4	8	W	39.78	-	39.78
03/04/2017 9:00	3	4	9	W	39.29	-	39.29
03/04/2017 10:00	3	4	10	W	34.91	-	34.91
03/04/2017 11:00	3	4	11	W	31.76	-	31.76
03/04/2017 12:00	3	4	12	W	28.38	-	28.38
03/04/2017 13:00	3	4	13	W	27.84	-	27.84
03/04/2017 14:00	3	4	14	W	26.88	-	26.88
03/04/2017 15:00	3	4	15	W	26.47	-	26.47
03/04/2017 16:00	3	4	16	W	26.82	-	26.82
03/04/2017 17:00	3	4	17	W	31.11	-	31.11
03/04/2017 18:00	3	4	18	W	40.41	-	40.41
03/04/2017 19:00	3	4	19	W	40.94	-	40.94
03/04/2017 20:00	3	4	20	W	40.37	-	40.37
03/04/2017 21:00	3	4	21	W	35.91	-	35.91
03/04/2017 22:00	3	4	22	W	28.75	-	28.75
03/04/2017 23:00	3	4	23	W	27.31	-	27.31
03/05/2017 0:00	3	5	0	W	31.05	-	31.05
03/05/2017 1:00	3	5	1	W	30.52	-	30.52
03/05/2017 2:00	3	5	2	W	29.77	-	29.77
03/05/2017 3:00	3	5	3	W	30.35	-	30.35
03/05/2017 4:00	3	5	4	W	30.19	-	30.19
03/05/2017 5:00	3	5	5	W	34.04	-	34.04
03/05/2017 6:00	3	5	6	W	35.86	-	35.86
03/05/2017 7:00	3	5	7	W	36.12	-	36.12
03/05/2017 8:00	3	5	8	W	36.23	-	36.23
03/05/2017 9:00	3	5	9	W	33.99	-	33.99
03/05/2017 10:00	3	5	10	W	29.38	-	29.38
03/05/2017 11:00	3	5	11	W	26.61	-	26.61
03/05/2017 12:00	3	5	12	W	25.32	-	25.32
03/05/2017 13:00	3	5	13	W	25.02	-	25.02
03/05/2017 14:00	3	5	14	W	24.27	-	24.27
03/05/2017 15:00	3	5	15	W	24.01	-	24.01
03/05/2017 16:00	3	5	16	W	24.58	-	24.58
03/05/2017 17:00	3	5	17	W	27.00	-	27
03/05/2017 18:00	3	5	18	W	36.80	-	36.8
03/05/2017 19:00	3	5	19	W	38.44	-	38.44
03/05/2017 20:00	3	5	20	W	36.07	-	36.07
03/05/2017 21:00	3	5	21	W	30.63	-	30.63
03/05/2017 22:00	3	5	22	W	26.08	-	26.08
03/05/2017 23:00	3	5	23	W	25.15	-	25.15
03/06/2017 0:00	3	6	0		23.88	-	23.88
03/06/2017 1:00	3	6	1		23.60	-	23.6
03/06/2017 2:00	3	6	2		23.33	-	23.33
03/06/2017 3:00	3	6	3		23.56	-	23.56
03/06/2017 4:00	3	6	4		25.06	-	25.06
03/06/2017 5:00	3	6	5		29.06	-	29.06
03/06/2017 6:00	3	6	6		40.84	-	40.84



03/06/2017 7:00	3	6	7	40.59	-	40.59
03/06/2017 8:00	3	6	8	33.76	33.76	-
03/06/2017 9:00	3	6	9	33.38	33.38	-
03/06/2017 10:00	3	6	10	32.37	32.37	-
03/06/2017 11:00	3	6	11	29.56	29.56	-
03/06/2017 12:00	3	6	12	27.26	27.26	-
03/06/2017 13:00	3	6	13	26.30	26.3	-
03/06/2017 14:00	3	6	14	24.87	24.87	-
03/06/2017 15:00	3	6	15	24.33	24.33	-
03/06/2017 16:00	3	6	16	24.53	24.53	-
03/06/2017 17:00	3	6	17	25.44	-	25.44
03/06/2017 18:00	3	6	18	33.96	-	33.96
03/06/2017 19:00	3	6	19	32.18	-	32.18
03/06/2017 20:00	3	6	20	28.71	-	28.71
03/06/2017 21:00	3	6	21	25.30	-	25.3
03/06/2017 22:00	3	6	22	22.23	-	22.23
03/06/2017 23:00	3	6	23	21.31	-	21.31
03/07/2017 0:00	3	7	0	20.19	-	20.19
03/07/2017 1:00	3	7	1	19.84	-	19.84
03/07/2017 2:00	3	7	2	19.88	-	19.88
03/07/2017 3:00	3	7	3	19.76	-	19.76
03/07/2017 4:00	3	7	4	19.71	-	19.71
03/07/2017 5:00	3	7	5	21.27	-	21.27
03/07/2017 6:00	3	7	6	28.53	-	28.53
03/07/2017 7:00	3	7	7	26.77	-	26.77
03/07/2017 8:00	3	7	8	25.53	25.53	-
03/07/2017 9:00	3	7	9	25.62	25.62	-
03/07/2017 10:00	3	7	10	26.64	26.64	-
03/07/2017 11:00	3	7	11	25.81	25.81	-
03/07/2017 12:00	3	7	12	25.10	25.1	-
03/07/2017 13:00	3	7	13	24.86	24.86	-
03/07/2017 14:00	3	7	14	24.21	24.21	-
03/07/2017 15:00	3	7	15	23.71	23.71	-
03/07/2017 16:00	3	7	16	23.58	23.58	-
03/07/2017 17:00	3	7	17	24.40	-	24.4
03/07/2017 18:00	3	7	18	28.82	-	28.82
03/07/2017 19:00	3	7	19	27.77	-	27.77
03/07/2017 20:00	3	7	20	26.07	-	26.07
03/07/2017 21:00	3	7	21	24.04	-	24.04
03/07/2017 22:00	3	7	22	21.95	-	21.95
03/07/2017 23:00	3	7	23	20.51	-	20.51
03/08/2017 0:00	3	8	0	21.15	-	21.15
03/08/2017 1:00	3	8	1	21.13	-	21.13
03/08/2017 2:00	3	8	2	21.00	-	21
03/08/2017 3:00	3	8	3	21.07	-	21.07
03/08/2017 4:00	3	8	4	21.83	-	21.83
03/08/2017 5:00	3	8	5	23.00	-	23

03/08/2017 6:00	3	8	6	31.72	-	31.72
03/08/2017 7:00	3	8	7	32.51	-	32.51
03/08/2017 8:00	3	8	8	28.97	28.97	-
03/08/2017 9:00	3	8	9	28.57	28.57	-
03/08/2017 10:00	3	8	10	27.99	27.99	-
03/08/2017 11:00	3	8	11	27.22	27.22	-
03/08/2017 12:00	3	8	12	26.49	26.49	-
03/08/2017 13:00	3	8	13	25.71	25.71	-
03/08/2017 14:00	3	8	14	24.84	24.84	-
03/08/2017 15:00	3	8	15	24.26	24.26	-
03/08/2017 16:00	3	8	16	24.22	24.22	-
03/08/2017 17:00	3	8	17	25.21	-	25.21
03/08/2017 18:00	3	8	18	35.38	-	35.38
03/08/2017 19:00	3	8	19	36.41	-	36.41
03/08/2017 20:00	3	8	20	34.10	-	34.1
03/08/2017 21:00	3	8	21	27.55	-	27.55
03/08/2017 22:00	3	8	22	24.15	-	24.15
03/08/2017 23:00	3	8	23	22.03	-	22.03
03/09/2017 0:00	3	9	0	21.99	-	21.99
03/09/2017 1:00	3	9	1	21.56	-	21.56
03/09/2017 2:00	3	9	2	21.51	-	21.51
03/09/2017 3:00	3	9	3	21.73	-	21.73
03/09/2017 4:00	3	9	4	22.29	-	22.29
03/09/2017 5:00	3	9	5	23.96	-	23.96
03/09/2017 6:00	3	9	6	33.73	-	33.73
03/09/2017 7:00	3	9	7	33.75	-	33.75
03/09/2017 8:00	3	9	8	31.48	31.48	-
03/09/2017 9:00	3	9	9	31.09	31.09	-
03/09/2017 10:00	3	9	10	30.03	30.03	-
03/09/2017 11:00	3	9	11	29.30	29.3	-
03/09/2017 12:00	3	9	12	28.37	28.37	-
03/09/2017 13:00	3	9	13	27.31	27.31	-
03/09/2017 14:00	3	9	14	25.78	25.78	-
03/09/2017 15:00	3	9	15	24.95	24.95	-
03/09/2017 16:00	3	9	16	25.24	25.24	-
03/09/2017 17:00	3	9	17	26.14	-	26.14
03/09/2017 18:00	3	9	18	33.59	-	33.59
03/09/2017 19:00	3	9	19	33.51	-	33.51
03/09/2017 20:00	3	9	20	31.50	-	31.5
03/09/2017 21:00	3	9	21	27.77	-	27.77
03/09/2017 22:00	3	9	22	23.79	-	23.79
03/09/2017 23:00	3	9	23	22.09	-	22.09
03/10/2017 0:00	3	10	0	22.96	-	22.96
03/10/2017 1:00	3	10	1	22.84	-	22.84
03/10/2017 2:00	3	10	2	22.72	-	22.72
03/10/2017 3:00	3	10	3	22.68	-	22.68
03/10/2017 4:00	3	10	4	22.88	-	22.88

03/10/2017 5:00	3	10	5		24.86	-	24.86
03/10/2017 6:00	3	10	6		34.16	-	34.16
03/10/2017 7:00	3	10	7		36.43	-	36.43
03/10/2017 8:00	3	10	8		36.24	36.24	-
03/10/2017 9:00	3	10	9		36.24	36.24	-
03/10/2017 10:00	3	10	10		36.73	36.73	-
03/10/2017 11:00	3	10	11		36.13	36.13	-
03/10/2017 12:00	3	10	12		31.85	31.85	-
03/10/2017 13:00	3	10	13		31.33	31.33	-
03/10/2017 14:00	3	10	14		29.10	29.1	-
03/10/2017 15:00	3	10	15		28.68	28.68	-
03/10/2017 16:00	3	10	16		30.21	30.21	-
03/10/2017 17:00	3	10	17		32.95	-	32.95
03/10/2017 18:00	3	10	18		41.91	-	41.91
03/10/2017 19:00	3	10	19		43.27	-	43.27
03/10/2017 20:00	3	10	20		44.33	-	44.33
03/10/2017 21:00	3	10	21		37.75	-	37.75
03/10/2017 22:00	3	10	22		35.02	-	35.02
03/10/2017 23:00	3	10	23		30.65	-	30.65
03/11/2017 0:00	3	11	0	W	33.93	-	33.93
03/11/2017 1:00	3	11	1	W	32.94	-	32.94
03/11/2017 2:00	3	11	2	W	32.74	-	32.74
03/11/2017 3:00	3	11	3	W	32.99	-	32.99
03/11/2017 4:00	3	11	4	W	33.46	-	33.46
03/11/2017 5:00	3	11	5	W	36.81	-	36.81
03/11/2017 6:00	3	11	6	W	40.33	-	40.33
03/11/2017 7:00	3	11	7	W	45.71	-	45.71
03/11/2017 8:00	3	11	8	W	45.83	-	45.83
03/11/2017 9:00	3	11	9	W	45.48	-	45.48
03/11/2017 10:00	3	11	10	W	42.16	-	42.16
03/11/2017 11:00	3	11	11	W	40.10	-	40.1
03/11/2017 12:00	3	11	12	W	35.66	-	35.66
03/11/2017 13:00	3	11	13	W	33.39	-	33.39
03/11/2017 14:00	3	11	14	W	32.19	-	32.19
03/11/2017 15:00	3	11	15	W	31.06	-	31.06
03/11/2017 16:00	3	11	16	W	32.11	-	32.11
03/11/2017 17:00	3	11	17	W	35.12	-	35.12
03/11/2017 18:00	3	11	18	W	45.89	-	45.89
03/11/2017 19:00	3	11	19	W	44.82	-	44.82
03/11/2017 20:00	3	11	20	W	44.72	-	44.72
03/11/2017 21:00	3	11	21	W	40.82	-	40.82
03/11/2017 22:00	3	11	22	W	38.58	-	38.58
03/11/2017 23:00	3	11	23	W	34.10	-	34.1
03/12/2017 0:00	3	12	0	W	31.47	-	31.47
03/12/2017 1:00	3	12	1	W	30.22	-	30.22
03/12/2017 3:00	3	12	3	W	29.75	-	29.75
03/12/2017 4:00	3	12	4	W	30.75	-	30.75

03/12/2017 5:00	3	12	5	W	31.98	-	31.98
03/12/2017 6:00	3	12	6	W	32.87	-	32.87
03/12/2017 7:00	3	12	7	W	36.75	-	36.75
03/12/2017 8:00	3	12	8	W	38.58	-	38.58
03/12/2017 9:00	3	12	9	W	35.90	-	35.9
03/12/2017 10:00	3	12	10	W	34.52	-	34.52
03/12/2017 11:00	3	12	11	W	32.75	-	32.75
03/12/2017 12:00	3	12	12	W	30.92	-	30.92
03/12/2017 13:00	3	12	13	W	28.50	-	28.5
03/12/2017 14:00	3	12	14	W	27.25	-	27.25
03/12/2017 15:00	3	12	15	W	26.66	-	26.66
03/12/2017 16:00	3	12	16	W	26.88	-	26.88
03/12/2017 17:00	3	12	17	W	29.25	-	29.25
03/12/2017 18:00	3	12	18	W	31.08	-	31.08
03/12/2017 19:00	3	12	19	W	44.30	-	44.3
03/12/2017 20:00	3	12	20	W	44.39	-	44.39
03/12/2017 21:00	3	12	21	W	36.88	-	36.88
03/12/2017 22:00	3	12	22	W	32.58	-	32.58
03/12/2017 23:00	3	12	23	W	30.27	-	30.27
03/13/2017 0:00	3	13	0		29.23	-	29.23
03/13/2017 1:00	3	13	1		29.07	-	29.07
03/13/2017 2:00	3	13	2		28.60	-	28.6
03/13/2017 3:00	3	13	3		29.06	-	29.06
03/13/2017 4:00	3	13	4		31.54	-	31.54
03/13/2017 5:00	3	13	5		39.49	-	39.49
03/13/2017 6:00	3	13	6		56.07	-	56.07
03/13/2017 7:00	3	13	7		69.99	-	69.99
03/13/2017 8:00	3	13	8		51.14	51.14	-
03/13/2017 9:00	3	13	9		46.52	46.52	-
03/13/2017 10:00	3	13	10		44.51	44.51	-
03/13/2017 11:00	3	13	11		42.86	42.86	-
03/13/2017 12:00	3	13	12		39.58	39.58	-
03/13/2017 13:00	3	13	13		37.56	37.56	-
03/13/2017 14:00	3	13	14		34.92	34.92	-
03/13/2017 15:00	3	13	15		32.72	32.72	-
03/13/2017 16:00	3	13	16		32.87	32.87	-
03/13/2017 17:00	3	13	17		33.41	-	33.41
03/13/2017 18:00	3	13	18		36.19	-	36.19
03/13/2017 19:00	3	13	19		48.63	-	48.63
03/13/2017 20:00	3	13	20		40.62	-	40.62
03/13/2017 21:00	3	13	21		35.98	-	35.98
03/13/2017 22:00	3	13	22		32.64	-	32.64
03/13/2017 23:00	3	13	23		27.57	-	27.57
03/14/2017 0:00	3	14	0		26.54	-	26.54
03/14/2017 1:00	3	14	1		25.93	-	25.93
03/14/2017 2:00	3	14	2		25.68	-	25.68
03/14/2017 3:00	3	14	3		26.28	-	26.28

03/14/2017 4:00	3	14	4	27.94	-	27.94
03/14/2017 5:00	3	14	5	33.05	-	33.05
03/14/2017 6:00	3	14	6	43.55	-	43.55
03/14/2017 7:00	3	14	7	52.94	-	52.94
03/14/2017 8:00	3	14	8	50.47	50.47	-
03/14/2017 9:00	3	14	9	51.89	51.89	-
03/14/2017 10:00	3	14	10	53.72	53.72	-
03/14/2017 11:00	3	14	11	51.38	51.38	-
03/14/2017 12:00	3	14	12	48.90	48.9	-
03/14/2017 13:00	3	14	13	46.70	46.7	-
03/14/2017 14:00	3	14	14	42.32	42.32	-
03/14/2017 15:00	3	14	15	39.24	39.24	-
03/14/2017 16:00	3	14	16	40.09	40.09	-
03/14/2017 17:00	3	14	17	41.52	-	41.52
03/14/2017 18:00	3	14	18	45.81	-	45.81
03/14/2017 19:00	3	14	19	53.51	-	53.51
03/14/2017 20:00	3	14	20	53.59	-	53.59
03/14/2017 21:00	3	14	21	50.97	-	50.97
03/14/2017 22:00	3	14	22	39.78	-	39.78
03/14/2017 23:00	3	14	23	32.66	-	32.66
03/15/2017 0:00	3	15	0	34.13	-	34.13
03/15/2017 1:00	3	15	1	34.51	-	34.51
03/15/2017 2:00	3	15	2	34.09	-	34.09
03/15/2017 3:00	3	15	3	35.72	-	35.72
03/15/2017 4:00	3	15	4	37.66	-	37.66
03/15/2017 5:00	3	15	5	46.76	-	46.76
03/15/2017 6:00	3	15	6	70.45	-	70.45
03/15/2017 7:00	3	15	7	89.60	-	89.6
03/15/2017 8:00	3	15	8	63.98	63.98	-
03/15/2017 9:00	3	15	9	59.17	59.17	-
03/15/2017 10:00	3	15	10	55.93	55.93	-
03/15/2017 11:00	3	15	11	51.04	51.04	-
03/15/2017 12:00	3	15	12	46.88	46.88	-
03/15/2017 13:00	3	15	13	43.76	43.76	-
03/15/2017 14:00	3	15	14	40.98	40.98	-
03/15/2017 15:00	3	15	15	39.11	39.11	-
03/15/2017 16:00	3	15	16	38.71	38.71	-
03/15/2017 17:00	3	15	17	39.65	-	39.65
03/15/2017 18:00	3	15	18	46.78	-	46.78
03/15/2017 19:00	3	15	19	56.97	-	56.97
03/15/2017 20:00	3	15	20	55.87	-	55.87
03/15/2017 21:00	3	15	21	47.22	-	47.22
03/15/2017 22:00	3	15	22	37.86	-	37.86
03/15/2017 23:00	3	15	23	37.03	-	37.03
03/16/2017 0:00	3	16	0	34.19	-	34.19
03/16/2017 1:00	3	16	1	34.67	-	34.67
03/16/2017 2:00	3	16	2	34.41	-	34.41

03/16/2017 3:00	3	16	3	35.43	-	35.43
03/16/2017 4:00	3	16	4	36.38	-	36.38
03/16/2017 5:00	3	16	5	43.07	-	43.07
03/16/2017 6:00	3	16	6	58.19	-	58.19
03/16/2017 7:00	3	16	7	81.84	-	81.84
03/16/2017 8:00	3	16	8	52.69	52.69	-
03/16/2017 9:00	3	16	9	46.29	46.29	-
03/16/2017 10:00	3	16	10	43.82	43.82	-
03/16/2017 11:00	3	16	11	41.36	41.36	-
03/16/2017 12:00	3	16	12	37.71	37.71	-
03/16/2017 13:00	3	16	13	36.62	36.62	-
03/16/2017 14:00	3	16	14	33.91	33.91	-
03/16/2017 15:00	3	16	15	31.85	31.85	-
03/16/2017 16:00	3	16	16	31.63	31.63	-
03/16/2017 17:00	3	16	17	32.41	-	32.41
03/16/2017 18:00	3	16	18	36.25	-	36.25
03/16/2017 19:00	3	16	19	44.54	-	44.54
03/16/2017 20:00	3	16	20	45.06	-	45.06
03/16/2017 21:00	3	16	21	39.22	-	39.22
03/16/2017 22:00	3	16	22	35.62	-	35.62
03/16/2017 23:00	3	16	23	30.63	-	30.63
03/17/2017 0:00	3	17	0	27.68	-	27.68
03/17/2017 1:00	3	17	1	27.99	-	27.99
03/17/2017 2:00	3	17	2	27.93	-	27.93
03/17/2017 3:00	3	17	3	28.32	-	28.32
03/17/2017 4:00	3	17	4	30.64	-	30.64
03/17/2017 5:00	3	17	5	37.92	-	37.92
03/17/2017 6:00	3	17	6	60.50	-	60.5
03/17/2017 7:00	3	17	7	64.85	-	64.85
03/17/2017 8:00	3	17	8	44.99	44.99	-
03/17/2017 9:00	3	17	9	42.71	42.71	-
03/17/2017 10:00	3	17	10	38.03	38.03	-
03/17/2017 11:00	3	17	11	35.22	35.22	-
03/17/2017 12:00	3	17	12	31.30	31.3	-
03/17/2017 13:00	3	17	13	28.98	28.98	-
03/17/2017 14:00	3	17	14	28.18	28.18	-
03/17/2017 15:00	3	17	15	26.88	26.88	-
03/17/2017 16:00	3	17	16	26.60	26.6	-
03/17/2017 17:00	3	17	17	26.70	-	26.7
03/17/2017 18:00	3	17	18	28.50	-	28.5
03/17/2017 19:00	3	17	19	37.71	-	37.71
03/17/2017 20:00	3	17	20	35.55	-	35.55
03/17/2017 21:00	3	17	21	29.78	-	29.78
03/17/2017 22:00	3	17	22	26.12	-	26.12
03/17/2017 23:00	3	17	23	24.58	-	24.58
03/18/2017 0:00	3	18	0	22.88	-	22.88
03/18/2017 1:00	3	18	1	22.78	-	22.78

03/18/2017 2:00	3	18	2	W	22.63	-	22.63
03/18/2017 3:00	3	18	3	W	22.44	-	22.44
03/18/2017 4:00	3	18	4	W	22.60	-	22.6
03/18/2017 5:00	3	18	5	W	22.50	-	22.5
03/18/2017 6:00	3	18	6	W	23.44	-	23.44
03/18/2017 7:00	3	18	7	W	24.98	-	24.98
03/18/2017 8:00	3	18	8	W	26.81	-	26.81
03/18/2017 9:00	3	18	9	W	29.86	-	29.86
03/18/2017 10:00	3	18	10	W	29.38	-	29.38
03/18/2017 11:00	3	18	11	W	28.21	-	28.21
03/18/2017 12:00	3	18	12	W	25.29	-	25.29
03/18/2017 13:00	3	18	13	W	24.65	-	24.65
03/18/2017 14:00	3	18	14	W	24.07	-	24.07
03/18/2017 15:00	3	18	15	W	23.52	-	23.52
03/18/2017 16:00	3	18	16	W	23.56	-	23.56
03/18/2017 17:00	3	18	17	W	23.70	-	23.7
03/18/2017 18:00	3	18	18	W	24.19	-	24.19
03/18/2017 19:00	3	18	19	W	30.10	-	30.1
03/18/2017 20:00	3	18	20	W	28.23	-	28.23
03/18/2017 21:00	3	18	21	W	25.41	-	25.41
03/18/2017 22:00	3	18	22	W	24.23	-	24.23
03/18/2017 23:00	3	18	23	W	23.32	-	23.32
03/19/2017 0:00	3	19	0	W	24.15	-	24.15
03/19/2017 1:00	3	19	1	W	24.20	-	24.2
03/19/2017 2:00	3	19	2	W	24.27	-	24.27
03/19/2017 3:00	3	19	3	W	24.26	-	24.26
03/19/2017 4:00	3	19	4	W	24.60	-	24.6
03/19/2017 5:00	3	19	5	W	25.23	-	25.23
03/19/2017 6:00	3	19	6	W	27.22	-	27.22
03/19/2017 7:00	3	19	7	W	30.84	-	30.84
03/19/2017 8:00	3	19	8	W	34.38	-	34.38
03/19/2017 9:00	3	19	9	W	35.76	-	35.76
03/19/2017 10:00	3	19	10	W	33.72	-	33.72
03/19/2017 11:00	3	19	11	W	30.90	-	30.9
03/19/2017 12:00	3	19	12	W	27.86	-	27.86
03/19/2017 13:00	3	19	13	W	26.03	-	26.03
03/19/2017 14:00	3	19	14	W	25.34	-	25.34
03/19/2017 15:00	3	19	15	W	25.56	-	25.56
03/19/2017 16:00	3	19	16	W	25.52	-	25.52
03/19/2017 17:00	3	19	17	W	26.51	-	26.51
03/19/2017 18:00	3	19	18	W	30.12	-	30.12
03/19/2017 19:00	3	19	19	W	41.72	-	41.72
03/19/2017 20:00	3	19	20	W	38.26	-	38.26
03/19/2017 21:00	3	19	21	W	33.07	-	33.07
03/19/2017 22:00	3	19	22	W	27.36	-	27.36
03/19/2017 23:00	3	19	23	W	24.86	-	24.86
03/20/2017 0:00	3	20	0		25.58	-	25.58



03/20/2017 1:00	3	20	1	25.47	-	25.47
03/20/2017 2:00	3	20	2	25.57	-	25.57
03/20/2017 3:00	3	20	3	25.59	-	25.59
03/20/2017 4:00	3	20	4	26.60	-	26.6
03/20/2017 5:00	3	20	5	33.30	-	33.3
03/20/2017 6:00	3	20	6	51.39	-	51.39
03/20/2017 7:00	3	20	7	58.42	-	58.42
03/20/2017 8:00	3	20	8	45.93	45.93	-
03/20/2017 9:00	3	20	9	40.00	40	-
03/20/2017 10:00	3	20	10	41.26	41.26	-
03/20/2017 11:00	3	20	11	38.18	38.18	-
03/20/2017 12:00	3	20	12	34.08	34.08	-
03/20/2017 13:00	3	20	13	31.73	31.73	-
03/20/2017 14:00	3	20	14	29.95	29.95	-
03/20/2017 15:00	3	20	15	28.42	28.42	-
03/20/2017 16:00	3	20	16	28.55	28.55	-
03/20/2017 17:00	3	20	17	29.34	-	29.34
03/20/2017 18:00	3	20	18	32.00	-	32
03/20/2017 19:00	3	20	19	40.26	-	40.26
03/20/2017 20:00	3	20	20	40.36	-	40.36
03/20/2017 21:00	3	20	21	32.40	-	32.4
03/20/2017 22:00	3	20	22	25.85	-	25.85
03/20/2017 23:00	3	20	23	24.37	-	24.37
03/21/2017 0:00	3	21	0	24.30	-	24.3
03/21/2017 1:00	3	21	1	24.26	-	24.26
03/21/2017 2:00	3	21	2	24.47	-	24.47
03/21/2017 3:00	3	21	3	24.50	-	24.5
03/21/2017 4:00	3	21	4	24.79	-	24.79
03/21/2017 5:00	3	21	5	27.80	-	27.8
03/21/2017 6:00	3	21	6	40.68	-	40.68
03/21/2017 7:00	3	21	7	40.84	-	40.84
03/21/2017 8:00	3	21	8	39.57	39.57	-
03/21/2017 9:00	3	21	9	39.47	39.47	-
03/21/2017 10:00	3	21	10	39.56	39.56	-
03/21/2017 11:00	3	21	11	36.27	36.27	-
03/21/2017 12:00	3	21	12	33.24	33.24	-
03/21/2017 13:00	3	21	13	30.95	30.95	-
03/21/2017 14:00	3	21	14	29.81	29.81	-
03/21/2017 15:00	3	21	15	27.78	27.78	-
03/21/2017 16:00	3	21	16	27.90	27.9	-
03/21/2017 17:00	3	21	17	27.93	-	27.93
03/21/2017 18:00	3	21	18	28.31	-	28.31
03/21/2017 19:00	3	21	19	40.62	-	40.62
03/21/2017 20:00	3	21	20	38.39	-	38.39
03/21/2017 21:00	3	21	21	31.52	-	31.52
03/21/2017 22:00	3	21	22	25.40	-	25.4
03/21/2017 23:00	3	21	23	24.15	-	24.15



03/22/2017 0:00	3	22	0	23.80	-	23.8
03/22/2017 1:00	3	22	1	23.73	-	23.73
03/22/2017 2:00	3	22	2	23.81	-	23.81
03/22/2017 3:00	3	22	3	23.91	-	23.91
03/22/2017 4:00	3	22	4	24.94	-	24.94
03/22/2017 5:00	3	22	5	28.65	-	28.65
03/22/2017 6:00	3	22	6	44.75	-	44.75
03/22/2017 7:00	3	22	7	51.70	-	51.7
03/22/2017 8:00	3	22	8	45.55	45.55	-
03/22/2017 9:00	3	22	9	43.32	43.32	-
03/22/2017 10:00	3	22	10	42.58	42.58	-
03/22/2017 11:00	3	22	11	40.85	40.85	-
03/22/2017 12:00	3	22	12	38.11	38.11	-
03/22/2017 13:00	3	22	13	36.75	36.75	-
03/22/2017 14:00	3	22	14	34.67	34.67	-
03/22/2017 15:00	3	22	15	31.38	31.38	-
03/22/2017 16:00	3	22	16	33.33	33.33	-
03/22/2017 17:00	3	22	17	34.68	-	34.68
03/22/2017 18:00	3	22	18	40.81	-	40.81
03/22/2017 19:00	3	22	19	54.95	-	54.95
03/22/2017 20:00	3	22	20	56.40	-	56.4
03/22/2017 21:00	3	22	21	46.21	-	46.21
03/22/2017 22:00	3	22	22	39.08	-	39.08
03/22/2017 23:00	3	22	23	33.11	-	33.11
03/23/2017 0:00	3	23	0	27.29	-	27.29
03/23/2017 1:00	3	23	1	27.49	-	27.49
03/23/2017 2:00	3	23	2	27.51	-	27.51
03/23/2017 3:00	3	23	3	28.05	-	28.05
03/23/2017 4:00	3	23	4	30.98	-	30.98
03/23/2017 5:00	3	23	5	37.18	-	37.18
03/23/2017 6:00	3	23	6	62.53	-	62.53
03/23/2017 7:00	3	23	7	67.54	-	67.54
03/23/2017 8:00	3	23	8	46.97	46.97	-
03/23/2017 9:00	3	23	9	43.79	43.79	-
03/23/2017 10:00	3	23	10	41.03	41.03	-
03/23/2017 11:00	3	23	11	36.35	36.35	-
03/23/2017 12:00	3	23	12	33.32	33.32	-
03/23/2017 13:00	3	23	13	31.27	31.27	-
03/23/2017 14:00	3	23	14	29.00	29	-
03/23/2017 15:00	3	23	15	27.52	27.52	-
03/23/2017 16:00	3	23	16	27.55	27.55	-
03/23/2017 17:00	3	23	17	28.31	-	28.31
03/23/2017 18:00	3	23	18	30.19	-	30.19
03/23/2017 19:00	3	23	19	40.05	-	40.05
03/23/2017 20:00	3	23	20	37.98	-	37.98
03/23/2017 21:00	3	23	21	31.52	-	31.52
03/23/2017 22:00	3	23	22	28.34	-	28.34

03/23/2017 23:00	3	23	23		26.70	-	26.7
03/24/2017 0:00	3	24	0		23.72	-	23.72
03/24/2017 1:00	3	24	1		23.59	-	23.59
03/24/2017 2:00	3	24	2		23.96	-	23.96
03/24/2017 3:00	3	24	3		24.14	-	24.14
03/24/2017 4:00	3	24	4		24.82	-	24.82
03/24/2017 5:00	3	24	5		27.38	-	27.38
03/24/2017 6:00	3	24	6		44.47	-	44.47
03/24/2017 7:00	3	24	7		44.74	-	44.74
03/24/2017 8:00	3	24	8		35.44	35.44	-
03/24/2017 9:00	3	24	9		33.19	33.19	-
03/24/2017 10:00	3	24	10		31.42	31.42	-
03/24/2017 11:00	3	24	11		29.16	29.16	-
03/24/2017 12:00	3	24	12		27.80	27.8	-
03/24/2017 13:00	3	24	13		26.60	26.6	-
03/24/2017 14:00	3	24	14		25.44	25.44	-
03/24/2017 15:00	3	24	15		24.63	24.63	-
03/24/2017 16:00	3	24	16		24.56	24.56	-
03/24/2017 17:00	3	24	17		24.58	-	24.58
03/24/2017 18:00	3	24	18		24.68	-	24.68
03/24/2017 19:00	3	24	19		27.44	-	27.44
03/24/2017 20:00	3	24	20		28.00	-	28
03/24/2017 21:00	3	24	21		25.27	-	25.27
03/24/2017 22:00	3	24	22		23.24	-	23.24
03/24/2017 23:00	3	24	23		22.12	-	22.12
03/25/2017 0:00	3	25	0	W	20.85	-	20.85
03/25/2017 1:00	3	25	1	W	20.86	-	20.86
03/25/2017 2:00	3	25	2	W	20.95	-	20.95
03/25/2017 3:00	3	25	3	W	20.81	-	20.81
03/25/2017 4:00	3	25	4	W	20.93	-	20.93
03/25/2017 5:00	3	25	5	W	21.31	-	21.31
03/25/2017 6:00	3	25	6	W	22.51	-	22.51
03/25/2017 7:00	3	25	7	W	24.18	-	24.18
03/25/2017 8:00	3	25	8	W	25.39	-	25.39
03/25/2017 9:00	3	25	9	W	25.66	-	25.66
03/25/2017 10:00	3	25	10	W	26.39	-	26.39
03/25/2017 11:00	3	25	11	W	26.23	-	26.23
03/25/2017 12:00	3	25	12	W	25.52	-	25.52
03/25/2017 13:00	3	25	13	W	24.98	-	24.98
03/25/2017 14:00	3	25	14	W	24.39	-	24.39
03/25/2017 15:00	3	25	15	W	24.37	-	24.37
03/25/2017 16:00	3	25	16	W	24.23	-	24.23
03/25/2017 17:00	3	25	17	W	24.49	-	24.49
03/25/2017 18:00	3	25	18	W	24.79	-	24.79
03/25/2017 19:00	3	25	19	W	28.69	-	28.69
03/25/2017 20:00	3	25	20	W	29.46	-	29.46
03/25/2017 21:00	3	25	21	W	25.34	-	25.34

03/25/2017 22:00	3	25	22	W	23.63	-	23.63
03/25/2017 23:00	3	25	23	W	21.39	-	21.39
03/26/2017 0:00	3	26	0	W	21.77	-	21.77
03/26/2017 1:00	3	26	1	W	21.03	-	21.03
03/26/2017 2:00	3	26	2	W	21.04	-	21.04
03/26/2017 3:00	3	26	3	W	20.33	-	20.33
03/26/2017 4:00	3	26	4	W	20.57	-	20.57
03/26/2017 5:00	3	26	5	W	21.01	-	21.01
03/26/2017 6:00	3	26	6	W	21.58	-	21.58
03/26/2017 7:00	3	26	7	W	22.93	-	22.93
03/26/2017 8:00	3	26	8	W	23.46	-	23.46
03/26/2017 9:00	3	26	9	W	24.32	-	24.32
03/26/2017 10:00	3	26	10	W	25.31	-	25.31
03/26/2017 11:00	3	26	11	W	25.15	-	25.15
03/26/2017 12:00	3	26	12	W	24.78	-	24.78
03/26/2017 13:00	3	26	13	W	24.36	-	24.36
03/26/2017 14:00	3	26	14	W	24.06	-	24.06
03/26/2017 15:00	3	26	15	W	23.88	-	23.88
03/26/2017 16:00	3	26	16	W	24.02	-	24.02
03/26/2017 17:00	3	26	17	W	24.27	-	24.27
03/26/2017 18:00	3	26	18	W	24.95	-	24.95
03/26/2017 19:00	3	26	19	W	33.90	-	33.9
03/26/2017 20:00	3	26	20	W	33.05	-	33.05
03/26/2017 21:00	3	26	21	W	27.26	-	27.26
03/26/2017 22:00	3	26	22	W	23.92	-	23.92
03/26/2017 23:00	3	26	23	W	22.69	-	22.69
03/27/2017 0:00	3	27	0		21.33	-	21.33
03/27/2017 1:00	3	27	1		21.00	-	21
03/27/2017 2:00	3	27	2		20.93	-	20.93
03/27/2017 3:00	3	27	3		20.92	-	20.92
03/27/2017 4:00	3	27	4		21.40	-	21.4
03/27/2017 5:00	3	27	5		22.95	-	22.95
03/27/2017 6:00	3	27	6		29.25	-	29.25
03/27/2017 7:00	3	27	7		35.27	-	35.27
03/27/2017 8:00	3	27	8		35.32	35.32	-
03/27/2017 9:00	3	27	9		34.50	34.5	-
03/27/2017 10:00	3	27	10		35.06	35.06	-
03/27/2017 11:00	3	27	11		34.76	34.76	-
03/27/2017 12:00	3	27	12		34.77	34.77	-
03/27/2017 13:00	3	27	13		33.85	33.85	-
03/27/2017 14:00	3	27	14		31.24	31.24	-
03/27/2017 15:00	3	27	15		29.93	29.93	-
03/27/2017 16:00	3	27	16		30.02	30.02	-
03/27/2017 17:00	3	27	17		30.81	-	30.81
03/27/2017 18:00	3	27	18		30.88	-	30.88
03/27/2017 19:00	3	27	19		36.55	-	36.55
03/27/2017 20:00	3	27	20		39.14	-	39.14

03/27/2017 21:00	3	27	21	31.74	-	31.74
03/27/2017 22:00	3	27	22	24.35	-	24.35
03/27/2017 23:00	3	27	23	22.41	-	22.41
03/28/2017 0:00	3	28	0	21.40	-	21.4
03/28/2017 1:00	3	28	1	21.06	-	21.06
03/28/2017 2:00	3	28	2	20.90	-	20.9
03/28/2017 3:00	3	28	3	21.01	-	21.01
03/28/2017 4:00	3	28	4	21.50	-	21.5
03/28/2017 5:00	3	28	5	22.98	-	22.98
03/28/2017 6:00	3	28	6	29.83	-	29.83
03/28/2017 7:00	3	28	7	30.98	-	30.98
03/28/2017 8:00	3	28	8	31.18	31.18	-
03/28/2017 9:00	3	28	9	31.24	31.24	-
03/28/2017 10:00	3	28	10	31.87	31.87	-
03/28/2017 11:00	3	28	11	31.82	31.82	-
03/28/2017 12:00	3	28	12	31.42	31.42	-
03/28/2017 13:00	3	28	13	30.77	30.77	-
03/28/2017 14:00	3	28	14	29.28	29.28	-
03/28/2017 15:00	3	28	15	27.89	27.89	-
03/28/2017 16:00	3	28	16	27.57	27.57	-
03/28/2017 17:00	3	28	17	27.99	-	27.99
03/28/2017 18:00	3	28	18	27.68	-	27.68
03/28/2017 19:00	3	28	19	34.17	-	34.17
03/28/2017 20:00	3	28	20	34.54	-	34.54
03/28/2017 21:00	3	28	21	28.89	-	28.89
03/28/2017 22:00	3	28	22	24.63	-	24.63
03/28/2017 23:00	3	28	23	22.97	-	22.97
03/29/2017 0:00	3	29	0	22.85	-	22.85
03/29/2017 1:00	3	29	1	22.87	-	22.87
03/29/2017 2:00	3	29	2	22.81	-	22.81
03/29/2017 3:00	3	29	3	22.79	-	22.79
03/29/2017 4:00	3	29	4	23.03	-	23.03
03/29/2017 5:00	3	29	5	24.47	-	24.47
03/29/2017 6:00	3	29	6	35.12	-	35.12
03/29/2017 7:00	3	29	7	36.99	-	36.99
03/29/2017 8:00	3	29	8	36.03	36.03	-
03/29/2017 9:00	3	29	9	36.85	36.85	-
03/29/2017 10:00	3	29	10	35.65	35.65	-
03/29/2017 11:00	3	29	11	33.97	33.97	-
03/29/2017 12:00	3	29	12	32.21	32.21	-
03/29/2017 13:00	3	29	13	31.38	31.38	-
03/29/2017 14:00	3	29	14	30.26	30.26	-
03/29/2017 15:00	3	29	15	27.50	27.5	-
03/29/2017 16:00	3	29	16	26.93	26.93	-
03/29/2017 17:00	3	29	17	27.67	-	27.67
03/29/2017 18:00	3	29	18	29.17	-	29.17
03/29/2017 19:00	3	29	19	36.84	-	36.84

03/29/2017 20:00	3	29	20	39.83	-	39.83
03/29/2017 21:00	3	29	21	32.98	-	32.98
03/29/2017 22:00	3	29	22	25.58	-	25.58
03/29/2017 23:00	3	29	23	23.59	-	23.59
03/30/2017 0:00	3	30	0	22.96	-	22.96
03/30/2017 1:00	3	30	1	22.56	-	22.56
03/30/2017 2:00	3	30	2	22.55	-	22.55
03/30/2017 3:00	3	30	3	22.60	-	22.6
03/30/2017 4:00	3	30	4	23.02	-	23.02
03/30/2017 5:00	3	30	5	24.56	-	24.56
03/30/2017 6:00	3	30	6	36.24	-	36.24
03/30/2017 7:00	3	30	7	37.99	-	37.99
03/30/2017 8:00	3	30	8	37.58	37.58	-
03/30/2017 9:00	3	30	9	36.67	36.67	-
03/30/2017 10:00	3	30	10	36.32	36.32	-
03/30/2017 11:00	3	30	11	36.16	36.16	-
03/30/2017 12:00	3	30	12	33.74	33.74	-
03/30/2017 13:00	3	30	13	33.76	33.76	-
03/30/2017 14:00	3	30	14	30.85	30.85	-
03/30/2017 15:00	3	30	15	28.21	28.21	-
03/30/2017 16:00	3	30	16	28.90	28.9	-
03/30/2017 17:00	3	30	17	29.90	-	29.9
03/30/2017 18:00	3	30	18	30.79	-	30.79
03/30/2017 19:00	3	30	19	36.39	-	36.39
03/30/2017 20:00	3	30	20	38.26	-	38.26
03/30/2017 21:00	3	30	21	33.28	-	33.28
03/30/2017 22:00	3	30	22	25.47	-	25.47
03/30/2017 23:00	3	30	23	24.10	-	24.1
03/31/2017 0:00	3	31	0	21.95	-	21.95
03/31/2017 1:00	3	31	1	21.76	-	21.76
03/31/2017 2:00	3	31	2	21.46	-	21.46
03/31/2017 3:00	3	31	3	21.34	-	21.34
03/31/2017 4:00	3	31	4	22.09	-	22.09
03/31/2017 5:00	3	31	5	23.60	-	23.6
03/31/2017 6:00	3	31	6	32.53	-	32.53
03/31/2017 7:00	3	31	7	35.47	-	35.47
03/31/2017 8:00	3	31	8	35.74	35.74	-
03/31/2017 9:00	3	31	9	35.66	35.66	-
03/31/2017 10:00	3	31	10	36.62	36.62	-
03/31/2017 11:00	3	31	11	36.80	36.8	-
03/31/2017 12:00	3	31	12	36.69	36.69	-
03/31/2017 13:00	3	31	13	35.17	35.17	-
03/31/2017 14:00	3	31	14	31.80	31.8	-
03/31/2017 15:00	3	31	15	29.02	29.02	-
03/31/2017 16:00	3	31	16	27.96	27.96	-
03/31/2017 17:00	3	31	17	28.26	-	28.26
03/31/2017 18:00	3	31	18	27.45	-	27.45

03/31/2017 19:00	3	31	19		32.40	-	32.4
03/31/2017 20:00	3	31	20		34.83	-	34.83
03/31/2017 21:00	3	31	21		29.48	-	29.48
03/31/2017 22:00	3	31	22		24.85	-	24.85
03/31/2017 23:00	3	31	23		23.28	-	23.28
04/01/2017 0:00	4	1	0	W	24.08	-	24.08
04/01/2017 1:00	4	1	1	W	24.13	-	24.13
04/01/2017 2:00	4	1	2	W	24.22	-	24.22
04/01/2017 3:00	4	1	3	W	24.18	-	24.18
04/01/2017 4:00	4	1	4	W	24.32	-	24.32
04/01/2017 5:00	4	1	5	W	24.55	-	24.55
04/01/2017 6:00	4	1	6	W	25.73	-	25.73
04/01/2017 7:00	4	1	7	W	26.86	-	26.86
04/01/2017 8:00	4	1	8	W	32.27	-	32.27
04/01/2017 9:00	4	1	9	W	34.31	-	34.31
04/01/2017 10:00	4	1	10	W	34.99	-	34.99
04/01/2017 11:00	4	1	11	W	34.38	-	34.38
04/01/2017 12:00	4	1	12	W	31.88	-	31.88
04/01/2017 13:00	4	1	13	W	27.59	-	27.59
04/01/2017 14:00	4	1	14	W	25.83	-	25.83
04/01/2017 15:00	4	1	15	W	25.24	-	25.24
04/01/2017 16:00	4	1	16	W	25.44	-	25.44
04/01/2017 17:00	4	1	17	W	25.92	-	25.92
04/01/2017 18:00	4	1	18	W	27.40	-	27.4
04/01/2017 19:00	4	1	19	W	33.48	-	33.48
04/01/2017 20:00	4	1	20	W	35.25	-	35.25
04/01/2017 21:00	4	1	21	W	34.30	-	34.3
04/01/2017 22:00	4	1	22	W	27.37	-	27.37
04/01/2017 23:00	4	1	23	W	25.64	-	25.64
04/02/2017 0:00	4	2	0	W	25.33	-	25.33
04/02/2017 1:00	4	2	1	W	25.03	-	25.03
04/02/2017 2:00	4	2	2	W	25.07	-	25.07
04/02/2017 3:00	4	2	3	W	25.01	-	25.01
04/02/2017 4:00	4	2	4	W	25.07	-	25.07
04/02/2017 5:00	4	2	5	W	25.51	-	25.51
04/02/2017 6:00	4	2	6	W	26.96	-	26.96
04/02/2017 7:00	4	2	7	W	28.97	-	28.97
04/02/2017 8:00	4	2	8	W	32.42	-	32.42
04/02/2017 9:00	4	2	9	W	33.97	-	33.97
04/02/2017 10:00	4	2	10	W	32.52	-	32.52
04/02/2017 11:00	4	2	11	W	30.86	-	30.86
04/02/2017 12:00	4	2	12	W	28.63	-	28.63
04/02/2017 13:00	4	2	13	W	26.95	-	26.95
04/02/2017 14:00	4	2	14	W	25.82	-	25.82
04/02/2017 15:00	4	2	15	W	25.62	-	25.62
04/02/2017 16:00	4	2	16	W	26.41	-	26.41
04/02/2017 17:00	4	2	17	W	28.22	-	28.22

04/02/2017 18:00	4	2	18	W	30.84	-	30.84
04/02/2017 19:00	4	2	19	W	39.38	-	39.38
04/02/2017 20:00	4	2	20	W	45.17	-	45.17
04/02/2017 21:00	4	2	21	W	37.03	-	37.03
04/02/2017 22:00	4	2	22	W	27.26	-	27.26
04/02/2017 23:00	4	2	23	W	24.83	-	24.83
04/03/2017 0:00	4	3	0		23.58	-	23.58
04/03/2017 1:00	4	3	1		23.52	-	23.52
04/03/2017 2:00	4	3	2		23.36	-	23.36
04/03/2017 3:00	4	3	3		23.43	-	23.43
04/03/2017 4:00	4	3	4		24.62	-	24.62
04/03/2017 5:00	4	3	5		27.18	-	27.18
04/03/2017 6:00	4	3	6		41.03	-	41.03
04/03/2017 7:00	4	3	7		41.04	-	41.04
04/03/2017 8:00	4	3	8		41.03	41.03	-
04/03/2017 9:00	4	3	9		40.51	40.51	-
04/03/2017 10:00	4	3	10		40.18	40.18	-
04/03/2017 11:00	4	3	11		40.32	40.32	-
04/03/2017 12:00	4	3	12		40.38	40.38	-
04/03/2017 13:00	4	3	13		40.74	40.74	-
04/03/2017 14:00	4	3	14		38.96	38.96	-
04/03/2017 15:00	4	3	15		34.77	34.77	-
04/03/2017 16:00	4	3	16		34.70	34.7	-
04/03/2017 17:00	4	3	17		35.21	-	35.21
04/03/2017 18:00	4	3	18		34.57	-	34.57
04/03/2017 19:00	4	3	19		41.03	-	41.03
04/03/2017 20:00	4	3	20		43.27	-	43.27
04/03/2017 21:00	4	3	21		36.28	-	36.28
04/03/2017 22:00	4	3	22		27.86	-	27.86
04/03/2017 23:00	4	3	23		24.28	-	24.28
04/04/2017 0:00	4	4	0		22.08	-	22.08
04/04/2017 1:00	4	4	1		21.70	-	21.7
04/04/2017 2:00	4	4	2		21.34	-	21.34
04/04/2017 3:00	4	4	3		21.34	-	21.34
04/04/2017 4:00	4	4	4		21.80	-	21.8
04/04/2017 5:00	4	4	5		22.95	-	22.95
04/04/2017 6:00	4	4	6		33.26	-	33.26
04/04/2017 7:00	4	4	7		33.81	-	33.81
04/04/2017 8:00	4	4	8		34.59	34.59	-
04/04/2017 9:00	4	4	9		34.72	34.72	-
04/04/2017 10:00	4	4	10		35.45	35.45	-
04/04/2017 11:00	4	4	11		33.83	33.83	-
04/04/2017 12:00	4	4	12		34.22	34.22	-
04/04/2017 13:00	4	4	13		35.00	35	-
04/04/2017 14:00	4	4	14		34.15	34.15	-
04/04/2017 15:00	4	4	15		32.43	32.43	-
04/04/2017 16:00	4	4	16		31.71	31.71	-



04/04/2017 17:00	4	4	17	31.94	-	31.94
04/04/2017 18:00	4	4	18	30.99	-	30.99
04/04/2017 19:00	4	4	19	35.33	-	35.33
04/04/2017 20:00	4	4	20	39.75	-	39.75
04/04/2017 21:00	4	4	21	33.13	-	33.13
04/04/2017 22:00	4	4	22	25.61	-	25.61
04/04/2017 23:00	4	4	23	23.21	-	23.21
04/05/2017 0:00	4	5	0	22.33	-	22.33
04/05/2017 1:00	4	5	1	21.80	-	21.8
04/05/2017 2:00	4	5	2	21.86	-	21.86
04/05/2017 3:00	4	5	3	21.80	-	21.8
04/05/2017 4:00	4	5	4	22.13	-	22.13
04/05/2017 5:00	4	5	5	24.35	-	24.35
04/05/2017 6:00	4	5	6	33.30	-	33.3
04/05/2017 7:00	4	5	7	33.24	-	33.24
04/05/2017 8:00	4	5	8	33.08	33.08	-
04/05/2017 9:00	4	5	9	33.65	33.65	-
04/05/2017 10:00	4	5	10	33.13	33.13	-
04/05/2017 11:00	4	5	11	33.17	33.17	-
04/05/2017 12:00	4	5	12	33.00	33	-
04/05/2017 13:00	4	5	13	32.68	32.68	-
04/05/2017 14:00	4	5	14	30.41	30.41	-
04/05/2017 15:00	4	5	15	28.97	28.97	-
04/05/2017 16:00	4	5	16	29.86	29.86	-
04/05/2017 17:00	4	5	17	29.39	-	29.39
04/05/2017 18:00	4	5	18	27.53	-	27.53
04/05/2017 19:00	4	5	19	32.97	-	32.97
04/05/2017 20:00	4	5	20	34.16	-	34.16
04/05/2017 21:00	4	5	21	30.54	-	30.54
04/05/2017 22:00	4	5	22	25.29	-	25.29
04/05/2017 23:00	4	5	23	22.78	-	22.78
04/06/2017 0:00	4	6	0	22.44	-	22.44
04/06/2017 1:00	4	6	1	22.43	-	22.43
04/06/2017 2:00	4	6	2	22.58	-	22.58
04/06/2017 3:00	4	6	3	22.58	-	22.58
04/06/2017 4:00	4	6	4	23.36	-	23.36
04/06/2017 5:00	4	6	5	25.53	-	25.53
04/06/2017 6:00	4	6	6	36.43	-	36.43
04/06/2017 7:00	4	6	7	34.48	-	34.48
04/06/2017 8:00	4	6	8	36.10	36.1	-
04/06/2017 9:00	4	6	9	37.23	37.23	-
04/06/2017 10:00	4	6	10	37.17	37.17	-
04/06/2017 11:00	4	6	11	38.43	38.43	-
04/06/2017 12:00	4	6	12	37.33	37.33	-
04/06/2017 13:00	4	6	13	37.21	37.21	-
04/06/2017 14:00	4	6	14	34.03	34.03	-
04/06/2017 15:00	4	6	15	32.23	32.23	-



04/06/2017 16:00	4	6	16		32.91	32.91	-
04/06/2017 17:00	4	6	17		32.62	-	32.62
04/06/2017 18:00	4	6	18		31.91	-	31.91
04/06/2017 19:00	4	6	19		36.94	-	36.94
04/06/2017 20:00	4	6	20		38.68	-	38.68
04/06/2017 21:00	4	6	21		36.21	-	36.21
04/06/2017 22:00	4	6	22		29.07	-	29.07
04/06/2017 23:00	4	6	23		25.60	-	25.6
04/07/2017 0:00	4	7	0		25.44	-	25.44
04/07/2017 1:00	4	7	1		24.43	-	24.43
04/07/2017 2:00	4	7	2		23.90	-	23.9
04/07/2017 3:00	4	7	3		24.50	-	24.5
04/07/2017 4:00	4	7	4		25.77	-	25.77
04/07/2017 5:00	4	7	5		29.02	-	29.02
04/07/2017 6:00	4	7	6		44.17	-	44.17
04/07/2017 7:00	4	7	7		44.24	-	44.24
04/07/2017 8:00	4	7	8		42.99	42.99	-
04/07/2017 9:00	4	7	9		43.32	43.32	-
04/07/2017 10:00	4	7	10		43.25	43.25	-
04/07/2017 11:00	4	7	11		42.80	42.8	-
04/07/2017 12:00	4	7	12		40.94	40.94	-
04/07/2017 13:00	4	7	13		40.14	40.14	-
04/07/2017 14:00	4	7	14		35.55	35.55	-
04/07/2017 15:00	4	7	15		32.85	32.85	-
04/07/2017 16:00	4	7	16		33.81	33.81	-
04/07/2017 17:00	4	7	17		33.20	-	33.2
04/07/2017 18:00	4	7	18		32.83	-	32.83
04/07/2017 19:00	4	7	19		40.14	-	40.14
04/07/2017 20:00	4	7	20		42.49	-	42.49
04/07/2017 21:00	4	7	21		39.14	-	39.14
04/07/2017 22:00	4	7	22		31.91	-	31.91
04/07/2017 23:00	4	7	23		29.24	-	29.24
04/08/2017 0:00	4	8	0	W	28.85	-	28.85
04/08/2017 1:00	4	8	1	W	27.65	-	27.65
04/08/2017 2:00	4	8	2	W	27.33	-	27.33
04/08/2017 3:00	4	8	3	W	27.47	-	27.47
04/08/2017 4:00	4	8	4	W	28.19	-	28.19
04/08/2017 5:00	4	8	5	W	30.04	-	30.04
04/08/2017 6:00	4	8	6	W	34.47	-	34.47
04/08/2017 7:00	4	8	7	W	38.19	-	38.19
04/08/2017 8:00	4	8	8	W	41.11	-	41.11
04/08/2017 9:00	4	8	9	W	40.62	-	40.62
04/08/2017 10:00	4	8	10	W	36.84	-	36.84
04/08/2017 11:00	4	8	11	W	34.65	-	34.65
04/08/2017 12:00	4	8	12	W	29.53	-	29.53
04/08/2017 13:00	4	8	13	W	27.69	-	27.69
04/08/2017 14:00	4	8	14	W	26.55	-	26.55

04/08/2017 15:00	4	8	15	W	25.99	-	25.99
04/08/2017 16:00	4	8	16	W	26.07	-	26.07
04/08/2017 17:00	4	8	17	W	26.35	-	26.35
04/08/2017 18:00	4	8	18	W	27.16	-	27.16
04/08/2017 19:00	4	8	19	W	32.77	-	32.77
04/08/2017 20:00	4	8	20	W	37.45	-	37.45
04/08/2017 21:00	4	8	21	W	30.27	-	30.27
04/08/2017 22:00	4	8	22	W	27.04	-	27.04
04/08/2017 23:00	4	8	23	W	25.75	-	25.75
04/09/2017 0:00	4	9	0	W	23.82	-	23.82
04/09/2017 1:00	4	9	1	W	24.03	-	24.03
04/09/2017 2:00	4	9	2	W	23.82	-	23.82
04/09/2017 3:00	4	9	3	W	23.35	-	23.35
04/09/2017 4:00	4	9	4	W	23.76	-	23.76
04/09/2017 5:00	4	9	5	W	24.62	-	24.62
04/09/2017 6:00	4	9	6	W	25.46	-	25.46
04/09/2017 7:00	4	9	7	W	26.37	-	26.37
04/09/2017 8:00	4	9	8	W	27.13	-	27.13
04/09/2017 9:00	4	9	9	W	28.47	-	28.47
04/09/2017 10:00	4	9	10	W	26.59	-	26.59
04/09/2017 11:00	4	9	11	W	27.35	-	27.35
04/09/2017 12:00	4	9	12	W	26.37	-	26.37
04/09/2017 13:00	4	9	13	W	25.47	-	25.47
04/09/2017 14:00	4	9	14	W	25.44	-	25.44
04/09/2017 15:00	4	9	15	W	25.64	-	25.64
04/09/2017 16:00	4	9	16	W	25.99	-	25.99
04/09/2017 17:00	4	9	17	W	26.49	-	26.49
04/09/2017 18:00	4	9	18	W	26.80	-	26.8
04/09/2017 19:00	4	9	19	W	35.39	-	35.39
04/09/2017 20:00	4	9	20	W	41.60	-	41.6
04/09/2017 21:00	4	9	21	W	31.30	-	31.3
04/09/2017 22:00	4	9	22	W	25.20	-	25.2
04/09/2017 23:00	4	9	23	W	23.71	-	23.71
04/10/2017 0:00	4	10	0		20.92	-	20.92
04/10/2017 1:00	4	10	1		20.98	-	20.98
04/10/2017 2:00	4	10	2		20.97	-	20.97
04/10/2017 3:00	4	10	3		21.00	-	21
04/10/2017 4:00	4	10	4		21.64	-	21.64
04/10/2017 5:00	4	10	5		24.02	-	24.02
04/10/2017 6:00	4	10	6		35.77	-	35.77
04/10/2017 7:00	4	10	7		36.30	-	36.3
04/10/2017 8:00	4	10	8		36.88	36.88	-
04/10/2017 9:00	4	10	9		37.00	37	-
04/10/2017 10:00	4	10	10		38.19	38.19	-
04/10/2017 11:00	4	10	11		40.84	40.84	-
04/10/2017 12:00	4	10	12		40.82	40.82	-
04/10/2017 13:00	4	10	13		42.50	42.5	-

04/10/2017 14:00	4	10	14	39.85	39.85	-
04/10/2017 15:00	4	10	15	37.40	37.4	-
04/10/2017 16:00	4	10	16	37.08	37.08	-
04/10/2017 17:00	4	10	17	36.57	-	36.57
04/10/2017 18:00	4	10	18	37.53	-	37.53
04/10/2017 19:00	4	10	19	39.29	-	39.29
04/10/2017 20:00	4	10	20	46.05	-	46.05
04/10/2017 21:00	4	10	21	36.49	-	36.49
04/10/2017 22:00	4	10	22	28.68	-	28.68
04/10/2017 23:00	4	10	23	24.87	-	24.87
04/11/2017 0:00	4	11	0	20.17	-	20.17
04/11/2017 1:00	4	11	1	19.90	-	19.9
04/11/2017 2:00	4	11	2	19.71	-	19.71
04/11/2017 3:00	4	11	3	19.40	-	19.4
04/11/2017 4:00	4	11	4	19.87	-	19.87
04/11/2017 5:00	4	11	5	21.94	-	21.94
04/11/2017 6:00	4	11	6	30.21	-	30.21
04/11/2017 7:00	4	11	7	30.68	-	30.68
04/11/2017 8:00	4	11	8	31.07	31.07	-
04/11/2017 9:00	4	11	9	31.70	31.7	-
04/11/2017 10:00	4	11	10	33.45	33.45	-
04/11/2017 11:00	4	11	11	34.89	34.89	-
04/11/2017 12:00	4	11	12	36.39	36.39	-
04/11/2017 13:00	4	11	13	40.37	40.37	-
04/11/2017 14:00	4	11	14	38.13	38.13	-
04/11/2017 15:00	4	11	15	36.55	36.55	-
04/11/2017 16:00	4	11	16	37.32	37.32	-
04/11/2017 17:00	4	11	17	35.16	-	35.16
04/11/2017 18:00	4	11	18	34.16	-	34.16
04/11/2017 19:00	4	11	19	35.64	-	35.64
04/11/2017 20:00	4	11	20	42.80	-	42.8
04/11/2017 21:00	4	11	21	33.25	-	33.25
04/11/2017 22:00	4	11	22	25.94	-	25.94
04/11/2017 23:00	4	11	23	22.72	-	22.72
04/12/2017 0:00	4	12	0	21.08	-	21.08
04/12/2017 1:00	4	12	1	20.95	-	20.95
04/12/2017 2:00	4	12	2	21.04	-	21.04
04/12/2017 3:00	4	12	3	21.03	-	21.03
04/12/2017 4:00	4	12	4	21.78	-	21.78
04/12/2017 5:00	4	12	5	23.54	-	23.54
04/12/2017 6:00	4	12	6	34.26	-	34.26
04/12/2017 7:00	4	12	7	34.59	-	34.59
04/12/2017 8:00	4	12	8	33.70	33.7	-
04/12/2017 9:00	4	12	9	33.77	33.77	-
04/12/2017 10:00	4	12	10	34.21	34.21	-
04/12/2017 11:00	4	12	11	33.97	33.97	-
04/12/2017 12:00	4	12	12	34.00	34	-

04/12/2017 13:00	4	12	13	34.86	34.86	-
04/12/2017 14:00	4	12	14	34.49	34.49	-
04/12/2017 15:00	4	12	15	33.95	33.95	-
04/12/2017 16:00	4	12	16	34.56	34.56	-
04/12/2017 17:00	4	12	17	33.56	-	33.56
04/12/2017 18:00	4	12	18	31.58	-	31.58
04/12/2017 19:00	4	12	19	34.74	-	34.74
04/12/2017 20:00	4	12	20	41.08	-	41.08
04/12/2017 21:00	4	12	21	34.86	-	34.86
04/12/2017 22:00	4	12	22	26.30	-	26.3
04/12/2017 23:00	4	12	23	22.70	-	22.7
04/13/2017 0:00	4	13	0	20.82	-	20.82
04/13/2017 1:00	4	13	1	20.31	-	20.31
04/13/2017 2:00	4	13	2	19.85	-	19.85
04/13/2017 3:00	4	13	3	19.79	-	19.79
04/13/2017 4:00	4	13	4	20.41	-	20.41
04/13/2017 5:00	4	13	5	22.00	-	22
04/13/2017 6:00	4	13	6	31.01	-	31.01
04/13/2017 7:00	4	13	7	31.32	-	31.32
04/13/2017 8:00	4	13	8	32.12	32.12	-
04/13/2017 9:00	4	13	9	32.09	32.09	-
04/13/2017 10:00	4	13	10	32.36	32.36	-
04/13/2017 11:00	4	13	11	32.86	32.86	-
04/13/2017 12:00	4	13	12	31.93	31.93	-
04/13/2017 13:00	4	13	13	32.30	32.3	-
04/13/2017 14:00	4	13	14	31.05	31.05	-
04/13/2017 15:00	4	13	15	29.74	29.74	-
04/13/2017 16:00	4	13	16	29.92	29.92	-
04/13/2017 17:00	4	13	17	29.06	-	29.06
04/13/2017 18:00	4	13	18	27.15	-	27.15
04/13/2017 19:00	4	13	19	27.82	-	27.82
04/13/2017 20:00	4	13	20	36.20	-	36.2
04/13/2017 21:00	4	13	21	31.38	-	31.38
04/13/2017 22:00	4	13	22	24.26	-	24.26
04/13/2017 23:00	4	13	23	22.03	-	22.03
04/14/2017 0:00	4	14	0	20.25	-	20.25
04/14/2017 1:00	4	14	1	20.01	-	20.01
04/14/2017 2:00	4	14	2	19.78	-	19.78
04/14/2017 3:00	4	14	3	19.72	-	19.72
04/14/2017 4:00	4	14	4	20.01	-	20.01
04/14/2017 5:00	4	14	5	21.36	-	21.36
04/14/2017 6:00	4	14	6	25.49	-	25.49
04/14/2017 7:00	4	14	7	26.73	-	26.73
04/14/2017 8:00	4	14	8	27.60	27.6	-
04/14/2017 9:00	4	14	9	28.70	28.7	-
04/14/2017 10:00	4	14	10	28.78	28.78	-
04/14/2017 11:00	4	14	11	28.82	28.82	-

04/14/2017 12:00	4	14	12		28.57	28.57	-
04/14/2017 13:00	4	14	13		28.90	28.9	-
04/14/2017 14:00	4	14	14		27.79	27.79	-
04/14/2017 15:00	4	14	15		26.85	26.85	-
04/14/2017 16:00	4	14	16		26.74	26.74	-
04/14/2017 17:00	4	14	17		26.66	-	26.66
04/14/2017 18:00	4	14	18		25.32	-	25.32
04/14/2017 19:00	4	14	19		26.70	-	26.7
04/14/2017 20:00	4	14	20		30.16	-	30.16
04/14/2017 21:00	4	14	21		27.86	-	27.86
04/14/2017 22:00	4	14	22		23.70	-	23.7
04/14/2017 23:00	4	14	23		21.04	-	21.04
04/15/2017 0:00	4	15	0	W	21.58	-	21.58
04/15/2017 1:00	4	15	1	W	20.22	-	20.22
04/15/2017 2:00	4	15	2	W	19.57	-	19.57
04/15/2017 3:00	4	15	3	W	19.20	-	19.2
04/15/2017 4:00	4	15	4	W	19.29	-	19.29
04/15/2017 5:00	4	15	5	W	20.04	-	20.04
04/15/2017 6:00	4	15	6	W	21.79	-	21.79
04/15/2017 7:00	4	15	7	W	23.16	-	23.16
04/15/2017 8:00	4	15	8	W	25.17	-	25.17
04/15/2017 9:00	4	15	9	W	26.70	-	26.7
04/15/2017 10:00	4	15	10	W	27.21	-	27.21
04/15/2017 11:00	4	15	11	W	27.73	-	27.73
04/15/2017 12:00	4	15	12	W	27.17	-	27.17
04/15/2017 13:00	4	15	13	W	26.06	-	26.06
04/15/2017 14:00	4	15	14	W	26.47	-	26.47
04/15/2017 15:00	4	15	15	W	26.57	-	26.57
04/15/2017 16:00	4	15	16	W	28.13	-	28.13
04/15/2017 17:00	4	15	17	W	27.76	-	27.76
04/15/2017 18:00	4	15	18	W	27.28	-	27.28
04/15/2017 19:00	4	15	19	W	28.54	-	28.54
04/15/2017 20:00	4	15	20	W	33.67	-	33.67
04/15/2017 21:00	4	15	21	W	30.04	-	30.04
04/15/2017 22:00	4	15	22	W	24.00	-	24
04/15/2017 23:00	4	15	23	W	22.09	-	22.09
04/16/2017 0:00	4	16	0	W	20.41	-	20.41
04/16/2017 1:00	4	16	1	W	19.77	-	19.77
04/16/2017 2:00	4	16	2	W	19.01	-	19.01
04/16/2017 3:00	4	16	3	W	17.98	-	17.98
04/16/2017 4:00	4	16	4	W	17.88	-	17.88
04/16/2017 5:00	4	16	5	W	18.80	-	18.8
04/16/2017 6:00	4	16	6	W	19.84	-	19.84
04/16/2017 7:00	4	16	7	W	20.36	-	20.36
04/16/2017 8:00	4	16	8	W	21.68	-	21.68
04/16/2017 9:00	4	16	9	W	23.85	-	23.85
04/16/2017 10:00	4	16	10	W	24.71	-	24.71

04/16/2017 11:00	4	16	11	W	25.51	-	25.51
04/16/2017 12:00	4	16	12	W	26.55	-	26.55
04/16/2017 13:00	4	16	13	W	27.50	-	27.5
04/16/2017 14:00	4	16	14	W	28.96	-	28.96
04/16/2017 15:00	4	16	15	W	29.77	-	29.77
04/16/2017 16:00	4	16	16	W	31.57	-	31.57
04/16/2017 17:00	4	16	17	W	31.57	-	31.57
04/16/2017 18:00	4	16	18	W	31.82	-	31.82
04/16/2017 19:00	4	16	19	W	32.85	-	32.85
04/16/2017 20:00	4	16	20	W	44.00	-	44
04/16/2017 21:00	4	16	21	W	34.81	-	34.81
04/16/2017 22:00	4	16	22	W	25.82	-	25.82
04/16/2017 23:00	4	16	23	W	22.28	-	22.28
04/17/2017 0:00	4	17	0		20.77	-	20.77
04/17/2017 1:00	4	17	1		20.05	-	20.05
04/17/2017 2:00	4	17	2		19.49	-	19.49
04/17/2017 3:00	4	17	3		19.12	-	19.12
04/17/2017 4:00	4	17	4		20.09	-	20.09
04/17/2017 5:00	4	17	5		22.42	-	22.42
04/17/2017 6:00	4	17	6		28.00	-	28
04/17/2017 7:00	4	17	7		30.15	-	30.15
04/17/2017 8:00	4	17	8		31.03	31.03	-
04/17/2017 9:00	4	17	9		32.42	32.42	-
04/17/2017 10:00	4	17	10		35.55	35.55	-
04/17/2017 11:00	4	17	11		37.19	37.19	-
04/17/2017 12:00	4	17	12		35.66	35.66	-
04/17/2017 13:00	4	17	13		36.80	36.8	-
04/17/2017 14:00	4	17	14		34.74	34.74	-
04/17/2017 15:00	4	17	15		33.85	33.85	-
04/17/2017 16:00	4	17	16		34.08	34.08	-
04/17/2017 17:00	4	17	17		32.68	-	32.68
04/17/2017 18:00	4	17	18		28.71	-	28.71
04/17/2017 19:00	4	17	19		30.47	-	30.47
04/17/2017 20:00	4	17	20		41.44	-	41.44
04/17/2017 21:00	4	17	21		31.08	-	31.08
04/17/2017 22:00	4	17	22		24.33	-	24.33
04/17/2017 23:00	4	17	23		21.70	-	21.7
04/18/2017 0:00	4	18	0		20.28	-	20.28
04/18/2017 1:00	4	18	1		20.15	-	20.15
04/18/2017 2:00	4	18	2		20.31	-	20.31
04/18/2017 3:00	4	18	3		20.24	-	20.24
04/18/2017 4:00	4	18	4		21.21	-	21.21
04/18/2017 5:00	4	18	5		22.73	-	22.73
04/18/2017 6:00	4	18	6		29.04	-	29.04
04/18/2017 7:00	4	18	7		29.83	-	29.83
04/18/2017 8:00	4	18	8		30.00	30	-
04/18/2017 9:00	4	18	9		30.68	30.68	-

04/18/2017 10:00	4	18	10	31.39	31.39	-
04/18/2017 11:00	4	18	11	31.99	31.99	-
04/18/2017 12:00	4	18	12	31.92	31.92	-
04/18/2017 13:00	4	18	13	32.88	32.88	-
04/18/2017 14:00	4	18	14	32.10	32.1	-
04/18/2017 15:00	4	18	15	30.18	30.18	-
04/18/2017 16:00	4	18	16	31.57	31.57	-
04/18/2017 17:00	4	18	17	29.13	-	29.13
04/18/2017 18:00	4	18	18	27.15	-	27.15
04/18/2017 19:00	4	18	19	28.92	-	28.92
04/18/2017 20:00	4	18	20	35.55	-	35.55
04/18/2017 21:00	4	18	21	31.58	-	31.58
04/18/2017 22:00	4	18	22	24.28	-	24.28
04/18/2017 23:00	4	18	23	21.76	-	21.76
04/19/2017 0:00	4	19	0	20.96	-	20.96
04/19/2017 1:00	4	19	1	20.53	-	20.53
04/19/2017 2:00	4	19	2	20.48	-	20.48
04/19/2017 3:00	4	19	3	20.50	-	20.5
04/19/2017 4:00	4	19	4	21.12	-	21.12
04/19/2017 5:00	4	19	5	22.98	-	22.98
04/19/2017 6:00	4	19	6	27.76	-	27.76
04/19/2017 7:00	4	19	7	29.03	-	29.03
04/19/2017 8:00	4	19	8	31.51	31.51	-
04/19/2017 9:00	4	19	9	34.85	34.85	-
04/19/2017 10:00	4	19	10	35.66	35.66	-
04/19/2017 11:00	4	19	11	36.36	36.36	-
04/19/2017 12:00	4	19	12	35.97	35.97	-
04/19/2017 13:00	4	19	13	36.26	36.26	-
04/19/2017 14:00	4	19	14	36.24	36.24	-
04/19/2017 15:00	4	19	15	36.29	36.29	-
04/19/2017 16:00	4	19	16	36.67	36.67	-
04/19/2017 17:00	4	19	17	36.63	-	36.63
04/19/2017 18:00	4	19	18	35.62	-	35.62
04/19/2017 19:00	4	19	19	34.93	-	34.93
04/19/2017 20:00	4	19	20	41.57	-	41.57
04/19/2017 21:00	4	19	21	36.19	-	36.19
04/19/2017 22:00	4	19	22	26.22	-	26.22
04/19/2017 23:00	4	19	23	23.39	-	23.39
04/20/2017 0:00	4	20	0	21.20	-	21.2
04/20/2017 1:00	4	20	1	20.46	-	20.46
04/20/2017 2:00	4	20	2	20.20	-	20.2
04/20/2017 3:00	4	20	3	19.99	-	19.99
04/20/2017 4:00	4	20	4	20.38	-	20.38
04/20/2017 5:00	4	20	5	21.92	-	21.92
04/20/2017 6:00	4	20	6	27.09	-	27.09
04/20/2017 7:00	4	20	7	27.54	-	27.54
04/20/2017 8:00	4	20	8	28.77	28.77	-



04/20/2017 9:00	4	20	9		30.89	30.89	-
04/20/2017 10:00	4	20	10		31.36	31.36	-
04/20/2017 11:00	4	20	11		33.71	33.71	-
04/20/2017 12:00	4	20	12		35.80	35.8	-
04/20/2017 13:00	4	20	13		37.54	37.54	-
04/20/2017 14:00	4	20	14		38.79	38.79	-
04/20/2017 15:00	4	20	15		41.17	41.17	-
04/20/2017 16:00	4	20	16		42.09	42.09	-
04/20/2017 17:00	4	20	17		39.61	-	39.61
04/20/2017 18:00	4	20	18		35.99	-	35.99
04/20/2017 19:00	4	20	19		35.46	-	35.46
04/20/2017 20:00	4	20	20		45.60	-	45.6
04/20/2017 21:00	4	20	21		34.98	-	34.98
04/20/2017 22:00	4	20	22		27.07	-	27.07
04/20/2017 23:00	4	20	23		22.98	-	22.98
04/21/2017 0:00	4	21	0		21.25	-	21.25
04/21/2017 1:00	4	21	1		20.86	-	20.86
04/21/2017 2:00	4	21	2		20.65	-	20.65
04/21/2017 3:00	4	21	3		20.18	-	20.18
04/21/2017 4:00	4	21	4		20.79	-	20.79
04/21/2017 5:00	4	21	5		22.08	-	22.08
04/21/2017 6:00	4	21	6		26.55	-	26.55
04/21/2017 7:00	4	21	7		28.51	-	28.51
04/21/2017 8:00	4	21	8		29.98	29.98	-
04/21/2017 9:00	4	21	9		30.94	30.94	-
04/21/2017 10:00	4	21	10		32.68	32.68	-
04/21/2017 11:00	4	21	11		32.73	32.73	-
04/21/2017 12:00	4	21	12		34.17	34.17	-
04/21/2017 13:00	4	21	13		35.37	35.37	-
04/21/2017 14:00	4	21	14		34.19	34.19	-
04/21/2017 15:00	4	21	15		31.81	31.81	-
04/21/2017 16:00	4	21	16		31.57	31.57	-
04/21/2017 17:00	4	21	17		30.38	-	30.38
04/21/2017 18:00	4	21	18		28.69	-	28.69
04/21/2017 19:00	4	21	19		28.41	-	28.41
04/21/2017 20:00	4	21	20		34.92	-	34.92
04/21/2017 21:00	4	21	21		31.89	-	31.89
04/21/2017 22:00	4	21	22		25.26	-	25.26
04/21/2017 23:00	4	21	23		23.07	-	23.07
04/22/2017 0:00	4	22	0	W	22.08	-	22.08
04/22/2017 1:00	4	22	1	W	21.83	-	21.83
04/22/2017 2:00	4	22	2	W	21.48	-	21.48
04/22/2017 3:00	4	22	3	W	20.84	-	20.84
04/22/2017 4:00	4	22	4	W	20.82	-	20.82
04/22/2017 5:00	4	22	5	W	21.19	-	21.19
04/22/2017 6:00	4	22	6	W	22.06	-	22.06
04/22/2017 7:00	4	22	7	W	22.58	-	22.58



04/22/2017 8:00	4	22	8	W	24.40	-	24.4
04/22/2017 9:00	4	22	9	W	26.05	-	26.05
04/22/2017 10:00	4	22	10	W	26.52	-	26.52
04/22/2017 11:00	4	22	11	W	25.60	-	25.6
04/22/2017 12:00	4	22	12	W	24.89	-	24.89
04/22/2017 13:00	4	22	13	W	24.01	-	24.01
04/22/2017 14:00	4	22	14	W	23.77	-	23.77
04/22/2017 15:00	4	22	15	W	23.35	-	23.35
04/22/2017 16:00	4	22	16	W	23.54	-	23.54
04/22/2017 17:00	4	22	17	W	23.60	-	23.6
04/22/2017 18:00	4	22	18	W	23.96	-	23.96
04/22/2017 19:00	4	22	19	W	24.62	-	24.62
04/22/2017 20:00	4	22	20	W	28.82	-	28.82
04/22/2017 21:00	4	22	21	W	25.54	-	25.54
04/22/2017 22:00	4	22	22	W	23.21	-	23.21
04/22/2017 23:00	4	22	23	W	21.93	-	21.93
04/23/2017 0:00	4	23	0	W	20.81	-	20.81
04/23/2017 1:00	4	23	1	W	20.62	-	20.62
04/23/2017 2:00	4	23	2	W	20.47	-	20.47
04/23/2017 3:00	4	23	3	W	20.20	-	20.2
04/23/2017 4:00	4	23	4	W	20.34	-	20.34
04/23/2017 5:00	4	23	5	W	20.59	-	20.59
04/23/2017 6:00	4	23	6	W	21.07	-	21.07
04/23/2017 7:00	4	23	7	W	21.68	-	21.68
04/23/2017 8:00	4	23	8	W	23.01	-	23.01
04/23/2017 9:00	4	23	9	W	23.90	-	23.9
04/23/2017 10:00	4	23	10	W	24.18	-	24.18
04/23/2017 11:00	4	23	11	W	23.82	-	23.82
04/23/2017 12:00	4	23	12	W	23.79	-	23.79
04/23/2017 13:00	4	23	13	W	23.27	-	23.27
04/23/2017 14:00	4	23	14	W	23.19	-	23.19
04/23/2017 15:00	4	23	15	W	22.89	-	22.89
04/23/2017 16:00	4	23	16	W	23.59	-	23.59
04/23/2017 17:00	4	23	17	W	24.43	-	24.43
04/23/2017 18:00	4	23	18	W	24.86	-	24.86
04/23/2017 19:00	4	23	19	W	26.69	-	26.69
04/23/2017 20:00	4	23	20	W	31.89	-	31.89
04/23/2017 21:00	4	23	21	W	27.98	-	27.98
04/23/2017 22:00	4	23	22	W	23.66	-	23.66
04/23/2017 23:00	4	23	23	W	21.62	-	21.62
04/24/2017 0:00	4	24	0		20.91	-	20.91
04/24/2017 1:00	4	24	1		20.62	-	20.62
04/24/2017 2:00	4	24	2		20.59	-	20.59
04/24/2017 3:00	4	24	3		20.55	-	20.55
04/24/2017 4:00	4	24	4		21.48	-	21.48
04/24/2017 5:00	4	24	5		23.11	-	23.11
04/24/2017 6:00	4	24	6		30.56	-	30.56

04/24/2017 7:00	4	24	7	31.59	-	31.59
04/24/2017 8:00	4	24	8	33.37	33.37	-
04/24/2017 9:00	4	24	9	33.82	33.82	-
04/24/2017 10:00	4	24	10	35.80	35.8	-
04/24/2017 11:00	4	24	11	34.20	34.2	-
04/24/2017 12:00	4	24	12	34.59	34.59	-
04/24/2017 13:00	4	24	13	34.03	34.03	-
04/24/2017 14:00	4	24	14	33.58	33.58	-
04/24/2017 15:00	4	24	15	29.59	29.59	-
04/24/2017 16:00	4	24	16	31.27	31.27	-
04/24/2017 17:00	4	24	17	31.10	-	31.1
04/24/2017 18:00	4	24	18	29.50	-	29.5
04/24/2017 19:00	4	24	19	28.93	-	28.93
04/24/2017 20:00	4	24	20	32.13	-	32.13
04/24/2017 21:00	4	24	21	29.61	-	29.61
04/24/2017 22:00	4	24	22	23.90	-	23.9
04/24/2017 23:00	4	24	23	22.11	-	22.11
04/25/2017 0:00	4	25	0	20.19	-	20.19
04/25/2017 1:00	4	25	1	19.91	-	19.91
04/25/2017 2:00	4	25	2	19.42	-	19.42
04/25/2017 3:00	4	25	3	19.48	-	19.48
04/25/2017 4:00	4	25	4	19.90	-	19.9
04/25/2017 5:00	4	25	5	21.76	-	21.76
04/25/2017 6:00	4	25	6	28.23	-	28.23
04/25/2017 7:00	4	25	7	29.38	-	29.38
04/25/2017 8:00	4	25	8	31.20	31.2	-
04/25/2017 9:00	4	25	9	31.28	31.28	-
04/25/2017 10:00	4	25	10	33.49	33.49	-
04/25/2017 11:00	4	25	11	32.36	32.36	-
04/25/2017 12:00	4	25	12	32.48	32.48	-
04/25/2017 13:00	4	25	13	33.29	33.29	-
04/25/2017 14:00	4	25	14	33.14	33.14	-
04/25/2017 15:00	4	25	15	31.98	31.98	-
04/25/2017 16:00	4	25	16	32.77	32.77	-
04/25/2017 17:00	4	25	17	31.56	-	31.56
04/25/2017 18:00	4	25	18	30.35	-	30.35
04/25/2017 19:00	4	25	19	29.86	-	29.86
04/25/2017 20:00	4	25	20	33.53	-	33.53
04/25/2017 21:00	4	25	21	30.03	-	30.03
04/25/2017 22:00	4	25	22	23.77	-	23.77
04/25/2017 23:00	4	25	23	21.55	-	21.55
04/26/2017 0:00	4	26	0	20.35	-	20.35
04/26/2017 1:00	4	26	1	20.03	-	20.03
04/26/2017 2:00	4	26	2	20.03	-	20.03
04/26/2017 3:00	4	26	3	19.75	-	19.75
04/26/2017 4:00	4	26	4	20.59	-	20.59
04/26/2017 5:00	4	26	5	22.14	-	22.14

04/26/2017 6:00	4	26	6	27.01	-	27.01
04/26/2017 7:00	4	26	7	28.42	-	28.42
04/26/2017 8:00	4	26	8	30.94	30.94	-
04/26/2017 9:00	4	26	9	32.08	32.08	-
04/26/2017 10:00	4	26	10	33.69	33.69	-
04/26/2017 11:00	4	26	11	34.81	34.81	-
04/26/2017 12:00	4	26	12	36.78	36.78	-
04/26/2017 13:00	4	26	13	38.08	38.08	-
04/26/2017 14:00	4	26	14	39.45	39.45	-
04/26/2017 15:00	4	26	15	39.72	39.72	-
04/26/2017 16:00	4	26	16	42.57	42.57	-
04/26/2017 17:00	4	26	17	40.78	-	40.78
04/26/2017 18:00	4	26	18	38.53	-	38.53
04/26/2017 19:00	4	26	19	37.42	-	37.42
04/26/2017 20:00	4	26	20	42.16	-	42.16
04/26/2017 21:00	4	26	21	38.14	-	38.14
04/26/2017 22:00	4	26	22	25.99	-	25.99
04/26/2017 23:00	4	26	23	22.91	-	22.91
04/27/2017 0:00	4	27	0	20.30	-	20.3
04/27/2017 1:00	4	27	1	19.75	-	19.75
04/27/2017 2:00	4	27	2	19.27	-	19.27
04/27/2017 3:00	4	27	3	18.92	-	18.92
04/27/2017 4:00	4	27	4	19.61	-	19.61
04/27/2017 5:00	4	27	5	21.12	-	21.12
04/27/2017 6:00	4	27	6	26.54	-	26.54
04/27/2017 7:00	4	27	7	25.92	-	25.92
04/27/2017 8:00	4	27	8	27.59	27.59	-
04/27/2017 9:00	4	27	9	30.49	30.49	-
04/27/2017 10:00	4	27	10	32.28	32.28	-
04/27/2017 11:00	4	27	11	32.56	32.56	-
04/27/2017 12:00	4	27	12	33.63	33.63	-
04/27/2017 13:00	4	27	13	35.13	35.13	-
04/27/2017 14:00	4	27	14	34.95	34.95	-
04/27/2017 15:00	4	27	15	34.18	34.18	-
04/27/2017 16:00	4	27	16	34.59	34.59	-
04/27/2017 17:00	4	27	17	35.01	-	35.01
04/27/2017 18:00	4	27	18	31.57	-	31.57
04/27/2017 19:00	4	27	19	32.68	-	32.68
04/27/2017 20:00	4	27	20	37.14	-	37.14
04/27/2017 21:00	4	27	21	33.24	-	33.24
04/27/2017 22:00	4	27	22	24.88	-	24.88
04/27/2017 23:00	4	27	23	22.81	-	22.81
04/28/2017 0:00	4	28	0	21.59	-	21.59
04/28/2017 1:00	4	28	1	21.05	-	21.05
04/28/2017 2:00	4	28	2	20.51	-	20.51
04/28/2017 3:00	4	28	3	19.50	-	19.5
04/28/2017 4:00	4	28	4	20.32	-	20.32

04/28/2017 5:00	4	28	5		21.96	-	21.96
04/28/2017 6:00	4	28	6		25.99	-	25.99
04/28/2017 7:00	4	28	7		27.09	-	27.09
04/28/2017 8:00	4	28	8		29.21	29.21	-
04/28/2017 9:00	4	28	9		31.29	31.29	-
04/28/2017 10:00	4	28	10		33.90	33.9	-
04/28/2017 11:00	4	28	11		34.59	34.59	-
04/28/2017 12:00	4	28	12		34.79	34.79	-
04/28/2017 13:00	4	28	13		35.44	35.44	-
04/28/2017 14:00	4	28	14		36.21	36.21	-
04/28/2017 15:00	4	28	15		37.53	37.53	-
04/28/2017 16:00	4	28	16		38.59	38.59	-
04/28/2017 17:00	4	28	17		37.24	-	37.24
04/28/2017 18:00	4	28	18		34.24	-	34.24
04/28/2017 19:00	4	28	19		32.52	-	32.52
04/28/2017 20:00	4	28	20		37.12	-	37.12
04/28/2017 21:00	4	28	21		34.04	-	34.04
04/28/2017 22:00	4	28	22		26.72	-	26.72
04/28/2017 23:00	4	28	23		23.73	-	23.73
04/29/2017 0:00	4	29	0	W	23.07	-	23.07
04/29/2017 1:00	4	29	1	W	22.76	-	22.76
04/29/2017 2:00	4	29	2	W	22.24	-	22.24
04/29/2017 3:00	4	29	3	W	21.43	-	21.43
04/29/2017 4:00	4	29	4	W	21.38	-	21.38
04/29/2017 5:00	4	29	5	W	21.95	-	21.95
04/29/2017 6:00	4	29	6	W	22.96	-	22.96
04/29/2017 7:00	4	29	7	W	23.87	-	23.87
04/29/2017 8:00	4	29	8	W	26.20	-	26.2
04/29/2017 9:00	4	29	9	W	28.26	-	28.26
04/29/2017 10:00	4	29	10	W	32.35	-	32.35
04/29/2017 11:00	4	29	11	W	34.86	-	34.86
04/29/2017 12:00	4	29	12	W	34.32	-	34.32
04/29/2017 13:00	4	29	13	W	35.66	-	35.66
04/29/2017 14:00	4	29	14	W	38.11	-	38.11
04/29/2017 15:00	4	29	15	W	39.15	-	39.15
04/29/2017 16:00	4	29	16	W	44.61	-	44.61
04/29/2017 17:00	4	29	17	W	42.61	-	42.61
04/29/2017 18:00	4	29	18	W	37.79	-	37.79
04/29/2017 19:00	4	29	19	W	37.09	-	37.09
04/29/2017 20:00	4	29	20	W	42.79	-	42.79
04/29/2017 21:00	4	29	21	W	36.53	-	36.53
04/29/2017 22:00	4	29	22	W	28.88	-	28.88
04/29/2017 23:00	4	29	23	W	24.32	-	24.32
04/30/2017 0:00	4	30	0	W	22.73	-	22.73
04/30/2017 1:00	4	30	1	W	22.25	-	22.25
04/30/2017 2:00	4	30	2	W	21.02	-	21.02
04/30/2017 3:00	4	30	3	W	20.02	-	20.02

04/30/2017 4:00	4	30	4	W	19.87	-	19.87
04/30/2017 5:00	4	30	5	W	20.00	-	20
04/30/2017 6:00	4	30	6	W	20.54	-	20.54
04/30/2017 7:00	4	30	7	W	22.75	-	22.75
04/30/2017 8:00	4	30	8	W	23.89	-	23.89
04/30/2017 9:00	4	30	9	W	24.78	-	24.78
04/30/2017 10:00	4	30	10	W	27.55	-	27.55
04/30/2017 11:00	4	30	11	W	29.79	-	29.79
04/30/2017 12:00	4	30	12	W	32.75	-	32.75
04/30/2017 13:00	4	30	13	W	35.86	-	35.86
04/30/2017 14:00	4	30	14	W	38.83	-	38.83
04/30/2017 15:00	4	30	15	W	39.81	-	39.81
04/30/2017 16:00	4	30	16	W	43.01	-	43.01
04/30/2017 17:00	4	30	17	W	40.99	-	40.99
04/30/2017 18:00	4	30	18	W	35.64	-	35.64
04/30/2017 19:00	4	30	19	W	33.15	-	33.15
04/30/2017 20:00	4	30	20	W	40.98	-	40.98
04/30/2017 21:00	4	30	21	W	31.98	-	31.98
04/30/2017 22:00	4	30	22	W	26.10	-	26.1
04/30/2017 23:00	4	30	23	W	23.08	-	23.08
05/01/2017 0:00	5	1	0		20.91	-	20.91
05/01/2017 1:00	5	1	1		20.24	-	20.24
05/01/2017 2:00	5	1	2		19.53	-	19.53
05/01/2017 3:00	5	1	3		19.03	-	19.03
05/01/2017 4:00	5	1	4		19.86	-	19.86
05/01/2017 5:00	5	1	5		21.46	-	21.46
05/01/2017 6:00	5	1	6		26.44	-	26.44
05/01/2017 7:00	5	1	7		27.87	-	27.87
05/01/2017 8:00	5	1	8		29.48	29.48	-
05/01/2017 9:00	5	1	9		31.54	31.54	-
05/01/2017 10:00	5	1	10		32.91	32.91	-
05/01/2017 11:00	5	1	11		35.24	35.24	-
05/01/2017 12:00	5	1	12		35.01	35.01	-
05/01/2017 13:00	5	1	13		36.31	36.31	-
05/01/2017 14:00	5	1	14		36.04	36.04	-
05/01/2017 15:00	5	1	15		36.46	36.46	-
05/01/2017 16:00	5	1	16		36.97	36.97	-
05/01/2017 17:00	5	1	17		36.48	-	36.48
05/01/2017 18:00	5	1	18		33.89	-	33.89
05/01/2017 19:00	5	1	19		32.72	-	32.72
05/01/2017 20:00	5	1	20		38.02	-	38.02
05/01/2017 21:00	5	1	21		33.26	-	33.26
05/01/2017 22:00	5	1	22		25.49	-	25.49
05/01/2017 23:00	5	1	23		22.67	-	22.67
05/02/2017 0:00	5	2	0		21.98	-	21.98
05/02/2017 1:00	5	2	1		21.67	-	21.67
05/02/2017 2:00	5	2	2		21.16	-	21.16

05/02/2017 3:00	5	2	3	20.59	-	20.59
05/02/2017 4:00	5	2	4	21.56	-	21.56
05/02/2017 5:00	5	2	5	23.68	-	23.68
05/02/2017 6:00	5	2	6	29.69	-	29.69
05/02/2017 7:00	5	2	7	33.10	-	33.1
05/02/2017 8:00	5	2	8	33.20	33.2	-
05/02/2017 9:00	5	2	9	34.20	34.2	-
05/02/2017 10:00	5	2	10	35.00	35	-
05/02/2017 11:00	5	2	11	34.28	34.28	-
05/02/2017 12:00	5	2	12	34.98	34.98	-
05/02/2017 13:00	5	2	13	34.84	34.84	-
05/02/2017 14:00	5	2	14	34.77	34.77	-
05/02/2017 15:00	5	2	15	34.98	34.98	-
05/02/2017 16:00	5	2	16	34.42	34.42	-
05/02/2017 17:00	5	2	17	34.35	-	34.35
05/02/2017 18:00	5	2	18	33.14	-	33.14
05/02/2017 19:00	5	2	19	31.55	-	31.55
05/02/2017 20:00	5	2	20	38.15	-	38.15
05/02/2017 21:00	5	2	21	35.54	-	35.54
05/02/2017 22:00	5	2	22	27.41	-	27.41
05/02/2017 23:00	5	2	23	23.25	-	23.25
05/03/2017 0:00	5	3	0	23.03	-	23.03
05/03/2017 1:00	5	3	1	22.77	-	22.77
05/03/2017 2:00	5	3	2	22.68	-	22.68
05/03/2017 3:00	5	3	3	22.10	-	22.1
05/03/2017 4:00	5	3	4	23.27	-	23.27
05/03/2017 5:00	5	3	5	24.66	-	24.66
05/03/2017 6:00	5	3	6	31.33	-	31.33
05/03/2017 7:00	5	3	7	36.71	-	36.71
05/03/2017 8:00	5	3	8	36.81	36.81	-
05/03/2017 9:00	5	3	9	36.74	36.74	-
05/03/2017 10:00	5	3	10	35.81	35.81	-
05/03/2017 11:00	5	3	11	36.30	36.3	-
05/03/2017 12:00	5	3	12	35.60	35.6	-
05/03/2017 13:00	5	3	13	36.16	36.16	-
05/03/2017 14:00	5	3	14	36.22	36.22	-
05/03/2017 15:00	5	3	15	35.61	35.61	-
05/03/2017 16:00	5	3	16	36.02	36.02	-
05/03/2017 17:00	5	3	17	36.35	-	36.35
05/03/2017 18:00	5	3	18	34.73	-	34.73
05/03/2017 19:00	5	3	19	33.03	-	33.03
05/03/2017 20:00	5	3	20	42.02	-	42.02
05/03/2017 21:00	5	3	21	35.35	-	35.35
05/03/2017 22:00	5	3	22	28.34	-	28.34
05/03/2017 23:00	5	3	23	23.71	-	23.71
05/04/2017 0:00	5	4	0	23.35	-	23.35
05/04/2017 1:00	5	4	1	22.79	-	22.79

05/04/2017 2:00	5	4	2		22.01	-	22.01
05/04/2017 3:00	5	4	3		21.20	-	21.2
05/04/2017 4:00	5	4	4		22.72	-	22.72
05/04/2017 5:00	5	4	5		23.84	-	23.84
05/04/2017 6:00	5	4	6		29.41	-	29.41
05/04/2017 7:00	5	4	7		32.19	-	32.19
05/04/2017 8:00	5	4	8		33.90	33.9	-
05/04/2017 9:00	5	4	9		34.65	34.65	-
05/04/2017 10:00	5	4	10		35.22	35.22	-
05/04/2017 11:00	5	4	11		35.33	35.33	-
05/04/2017 12:00	5	4	12		33.79	33.79	-
05/04/2017 13:00	5	4	13		33.26	33.26	-
05/04/2017 14:00	5	4	14		32.64	32.64	-
05/04/2017 15:00	5	4	15		31.31	31.31	-
05/04/2017 16:00	5	4	16		32.20	32.2	-
05/04/2017 17:00	5	4	17		32.83	-	32.83
05/04/2017 18:00	5	4	18		29.92	-	29.92
05/04/2017 19:00	5	4	19		29.43	-	29.43
05/04/2017 20:00	5	4	20		34.49	-	34.49
05/04/2017 21:00	5	4	21		34.08	-	34.08
05/04/2017 22:00	5	4	22		26.02	-	26.02
05/04/2017 23:00	5	4	23		23.39	-	23.39
05/05/2017 0:00	5	5	0		20.85	-	20.85
05/05/2017 1:00	5	5	1		20.53	-	20.53
05/05/2017 2:00	5	5	2		20.02	-	20.02
05/05/2017 3:00	5	5	3		19.77	-	19.77
05/05/2017 4:00	5	5	4		20.33	-	20.33
05/05/2017 5:00	5	5	5		22.25	-	22.25
05/05/2017 6:00	5	5	6		26.46	-	26.46
05/05/2017 7:00	5	5	7		29.55	-	29.55
05/05/2017 8:00	5	5	8		31.02	31.02	-
05/05/2017 9:00	5	5	9		32.44	32.44	-
05/05/2017 10:00	5	5	10		33.65	33.65	-
05/05/2017 11:00	5	5	11		34.44	34.44	-
05/05/2017 12:00	5	5	12		33.95	33.95	-
05/05/2017 13:00	5	5	13		34.17	34.17	-
05/05/2017 14:00	5	5	14		31.65	31.65	-
05/05/2017 15:00	5	5	15		31.95	31.95	-
05/05/2017 16:00	5	5	16		32.11	32.11	-
05/05/2017 17:00	5	5	17		33.11	-	33.11
05/05/2017 18:00	5	5	18		30.27	-	30.27
05/05/2017 19:00	5	5	19		29.63	-	29.63
05/05/2017 20:00	5	5	20		33.84	-	33.84
05/05/2017 21:00	5	5	21		32.21	-	32.21
05/05/2017 22:00	5	5	22		27.19	-	27.19
05/05/2017 23:00	5	5	23		23.00	-	23
05/06/2017 0:00	5	6	0	W	23.08	-	23.08



05/06/2017 1:00	5	6	1	W	22.63	-	22.63
05/06/2017 2:00	5	6	2	W	22.89	-	22.89
05/06/2017 3:00	5	6	3	W	22.66	-	22.66
05/06/2017 4:00	5	6	4	W	22.67	-	22.67
05/06/2017 5:00	5	6	5	W	22.75	-	22.75
05/06/2017 6:00	5	6	6	W	22.84	-	22.84
05/06/2017 7:00	5	6	7	W	24.22	-	24.22
05/06/2017 8:00	5	6	8	W	26.27	-	26.27
05/06/2017 9:00	5	6	9	W	28.45	-	28.45
05/06/2017 10:00	5	6	10	W	28.20	-	28.2
05/06/2017 11:00	5	6	11	W	28.07	-	28.07
05/06/2017 12:00	5	6	12	W	27.31	-	27.31
05/06/2017 13:00	5	6	13	W	26.55	-	26.55
05/06/2017 14:00	5	6	14	W	25.65	-	25.65
05/06/2017 15:00	5	6	15	W	24.90	-	24.9
05/06/2017 16:00	5	6	16	W	25.23	-	25.23
05/06/2017 17:00	5	6	17	W	25.46	-	25.46
05/06/2017 18:00	5	6	18	W	25.97	-	25.97
05/06/2017 19:00	5	6	19	W	26.36	-	26.36
05/06/2017 20:00	5	6	20	W	31.05	-	31.05
05/06/2017 21:00	5	6	21	W	28.95	-	28.95
05/06/2017 22:00	5	6	22	W	25.04	-	25.04
05/06/2017 23:00	5	6	23	W	23.10	-	23.1
05/07/2017 0:00	5	7	0	W	22.34	-	22.34
05/07/2017 1:00	5	7	1	W	22.42	-	22.42
05/07/2017 2:00	5	7	2	W	22.51	-	22.51
05/07/2017 3:00	5	7	3	W	22.15	-	22.15
05/07/2017 4:00	5	7	4	W	22.33	-	22.33
05/07/2017 5:00	5	7	5	W	22.39	-	22.39
05/07/2017 6:00	5	7	6	W	22.48	-	22.48
05/07/2017 7:00	5	7	7	W	23.15	-	23.15
05/07/2017 8:00	5	7	8	W	24.81	-	24.81
05/07/2017 9:00	5	7	9	W	25.98	-	25.98
05/07/2017 10:00	5	7	10	W	26.12	-	26.12
05/07/2017 11:00	5	7	11	W	25.40	-	25.4
05/07/2017 12:00	5	7	12	W	24.80	-	24.8
05/07/2017 13:00	5	7	13	W	24.48	-	24.48
05/07/2017 14:00	5	7	14	W	23.93	-	23.93
05/07/2017 15:00	5	7	15	W	23.83	-	23.83
05/07/2017 16:00	5	7	16	W	24.23	-	24.23
05/07/2017 17:00	5	7	17	W	24.98	-	24.98
05/07/2017 18:00	5	7	18	W	25.93	-	25.93
05/07/2017 19:00	5	7	19	W	26.71	-	26.71
05/07/2017 20:00	5	7	20	W	34.32	-	34.32
05/07/2017 21:00	5	7	21	W	33.71	-	33.71
05/07/2017 22:00	5	7	22	W	25.31	-	25.31
05/07/2017 23:00	5	7	23	W	23.83	-	23.83



05/08/2017 0:00	5	8	0	22.70	-	22.7
05/08/2017 1:00	5	8	1	22.76	-	22.76
05/08/2017 2:00	5	8	2	22.89	-	22.89
05/08/2017 3:00	5	8	3	22.89	-	22.89
05/08/2017 4:00	5	8	4	23.44	-	23.44
05/08/2017 5:00	5	8	5	26.42	-	26.42
05/08/2017 6:00	5	8	6	41.06	-	41.06
05/08/2017 7:00	5	8	7	45.81	-	45.81
05/08/2017 8:00	5	8	8	42.21	42.21	-
05/08/2017 9:00	5	8	9	40.05	40.05	-
05/08/2017 10:00	5	8	10	40.01	40.01	-
05/08/2017 11:00	5	8	11	39.72	39.72	-
05/08/2017 12:00	5	8	12	37.96	37.96	-
05/08/2017 13:00	5	8	13	38.85	38.85	-
05/08/2017 14:00	5	8	14	36.31	36.31	-
05/08/2017 15:00	5	8	15	34.95	34.95	-
05/08/2017 16:00	5	8	16	36.82	36.82	-
05/08/2017 17:00	5	8	17	36.82	-	36.82
05/08/2017 18:00	5	8	18	35.13	-	35.13
05/08/2017 19:00	5	8	19	34.27	-	34.27
05/08/2017 20:00	5	8	20	46.22	-	46.22
05/08/2017 21:00	5	8	21	40.77	-	40.77
05/08/2017 22:00	5	8	22	29.51	-	29.51
05/08/2017 23:00	5	8	23	25.13	-	25.13
05/09/2017 0:00	5	9	0	23.46	-	23.46
05/09/2017 1:00	5	9	1	23.32	-	23.32
05/09/2017 2:00	5	9	2	22.77	-	22.77
05/09/2017 3:00	5	9	3	22.69	-	22.69
05/09/2017 4:00	5	9	4	23.64	-	23.64
05/09/2017 5:00	5	9	5	25.57	-	25.57
05/09/2017 6:00	5	9	6	36.02	-	36.02
05/09/2017 7:00	5	9	7	39.36	-	39.36
05/09/2017 8:00	5	9	8	37.10	37.1	-
05/09/2017 9:00	5	9	9	36.85	36.85	-
05/09/2017 10:00	5	9	10	36.18	36.18	-
05/09/2017 11:00	5	9	11	36.37	36.37	-
05/09/2017 12:00	5	9	12	36.19	36.19	-
05/09/2017 13:00	5	9	13	36.40	36.4	-
05/09/2017 14:00	5	9	14	36.26	36.26	-
05/09/2017 15:00	5	9	15	36.88	36.88	-
05/09/2017 16:00	5	9	16	36.38	36.38	-
05/09/2017 17:00	5	9	17	36.68	-	36.68
05/09/2017 18:00	5	9	18	34.30	-	34.3
05/09/2017 19:00	5	9	19	34.21	-	34.21
05/09/2017 20:00	5	9	20	40.50	-	40.5
05/09/2017 21:00	5	9	21	36.73	-	36.73
05/09/2017 22:00	5	9	22	28.18	-	28.18

05/09/2017 23:00	5	9	23	24.30	-	24.3
05/10/2017 0:00	5	10	0	23.35	-	23.35
05/10/2017 1:00	5	10	1	23.16	-	23.16
05/10/2017 2:00	5	10	2	22.64	-	22.64
05/10/2017 3:00	5	10	3	22.40	-	22.4
05/10/2017 4:00	5	10	4	23.51	-	23.51
05/10/2017 5:00	5	10	5	25.52	-	25.52
05/10/2017 6:00	5	10	6	33.01	-	33.01
05/10/2017 7:00	5	10	7	35.93	-	35.93
05/10/2017 8:00	5	10	8	34.75	34.75	-
05/10/2017 9:00	5	10	9	35.41	35.41	-
05/10/2017 10:00	5	10	10	35.25	35.25	-
05/10/2017 11:00	5	10	11	37.27	37.27	-
05/10/2017 12:00	5	10	12	39.74	39.74	-
05/10/2017 13:00	5	10	13	39.25	39.25	-
05/10/2017 14:00	5	10	14	40.48	40.48	-
05/10/2017 15:00	5	10	15	39.29	39.29	-
05/10/2017 16:00	5	10	16	39.80	39.8	-
05/10/2017 17:00	5	10	17	39.26	-	39.26
05/10/2017 18:00	5	10	18	37.79	-	37.79
05/10/2017 19:00	5	10	19	35.24	-	35.24
05/10/2017 20:00	5	10	20	39.86	-	39.86
05/10/2017 21:00	5	10	21	38.79	-	38.79
05/10/2017 22:00	5	10	22	28.69	-	28.69
05/10/2017 23:00	5	10	23	24.37	-	24.37
05/11/2017 0:00	5	11	0	23.24	-	23.24
05/11/2017 1:00	5	11	1	23.10	-	23.1
05/11/2017 2:00	5	11	2	22.65	-	22.65
05/11/2017 3:00	5	11	3	22.51	-	22.51
05/11/2017 4:00	5	11	4	23.05	-	23.05
05/11/2017 5:00	5	11	5	24.52	-	24.52
05/11/2017 6:00	5	11	6	31.07	-	31.07
05/11/2017 7:00	5	11	7	35.89	-	35.89
05/11/2017 8:00	5	11	8	35.81	35.81	-
05/11/2017 9:00	5	11	9	37.39	37.39	-
05/11/2017 10:00	5	11	10	38.11	38.11	-
05/11/2017 11:00	5	11	11	39.26	39.26	-
05/11/2017 12:00	5	11	12	38.88	38.88	-
05/11/2017 13:00	5	11	13	38.99	38.99	-
05/11/2017 14:00	5	11	14	39.85	39.85	-
05/11/2017 15:00	5	11	15	39.85	39.85	-
05/11/2017 16:00	5	11	16	38.74	38.74	-
05/11/2017 17:00	5	11	17	39.37	-	39.37
05/11/2017 18:00	5	11	18	37.68	-	37.68
05/11/2017 19:00	5	11	19	33.87	-	33.87
05/11/2017 20:00	5	11	20	38.21	-	38.21
05/11/2017 21:00	5	11	21	37.97	-	37.97

05/11/2017 22:00	5	11	22		28.34	-	28.34
05/11/2017 23:00	5	11	23		24.20	-	24.2
05/12/2017 0:00	5	12	0		22.91	-	22.91
05/12/2017 1:00	5	12	1		22.86	-	22.86
05/12/2017 2:00	5	12	2		22.64	-	22.64
05/12/2017 3:00	5	12	3		22.26	-	22.26
05/12/2017 4:00	5	12	4		22.89	-	22.89
05/12/2017 5:00	5	12	5		24.10	-	24.1
05/12/2017 6:00	5	12	6		28.73	-	28.73
05/12/2017 7:00	5	12	7		33.46	-	33.46
05/12/2017 8:00	5	12	8		34.87	34.87	-
05/12/2017 9:00	5	12	9		34.72	34.72	-
05/12/2017 10:00	5	12	10		34.97	34.97	-
05/12/2017 11:00	5	12	11		35.04	35.04	-
05/12/2017 12:00	5	12	12		35.06	35.06	-
05/12/2017 13:00	5	12	13		35.06	35.06	-
05/12/2017 14:00	5	12	14		35.10	35.1	-
05/12/2017 15:00	5	12	15		34.46	34.46	-
05/12/2017 16:00	5	12	16		33.71	33.71	-
05/12/2017 17:00	5	12	17		33.18	-	33.18
05/12/2017 18:00	5	12	18		30.32	-	30.32
05/12/2017 19:00	5	12	19		28.91	-	28.91
05/12/2017 20:00	5	12	20		33.42	-	33.42
05/12/2017 21:00	5	12	21		31.25	-	31.25
05/12/2017 22:00	5	12	22		26.04	-	26.04
05/12/2017 23:00	5	12	23		23.73	-	23.73
05/13/2017 0:00	5	13	0	W	23.46	-	23.46
05/13/2017 1:00	5	13	1	W	22.77	-	22.77
05/13/2017 2:00	5	13	2	W	22.81	-	22.81
05/13/2017 3:00	5	13	3	W	22.71	-	22.71
05/13/2017 4:00	5	13	4	W	22.86	-	22.86
05/13/2017 5:00	5	13	5	W	22.74	-	22.74
05/13/2017 6:00	5	13	6	W	23.79	-	23.79
05/13/2017 7:00	5	13	7	W	25.44	-	25.44
05/13/2017 8:00	5	13	8	W	26.97	-	26.97
05/13/2017 9:00	5	13	9	W	29.76	-	29.76
05/13/2017 10:00	5	13	10	W	30.56	-	30.56
05/13/2017 11:00	5	13	11	W	30.87	-	30.87
05/13/2017 12:00	5	13	12	W	30.93	-	30.93
05/13/2017 13:00	5	13	13	W	29.91	-	29.91
05/13/2017 14:00	5	13	14	W	28.14	-	28.14
05/13/2017 15:00	5	13	15	W	27.80	-	27.8
05/13/2017 16:00	5	13	16	W	27.87	-	27.87
05/13/2017 17:00	5	13	17	W	28.00	-	28
05/13/2017 18:00	5	13	18	W	28.71	-	28.71
05/13/2017 19:00	5	13	19	W	27.87	-	27.87
05/13/2017 20:00	5	13	20	W	31.66	-	31.66

05/13/2017 21:00	5	13	21	W	29.62	-	29.62
05/13/2017 22:00	5	13	22	W	26.45	-	26.45
05/13/2017 23:00	5	13	23	W	23.87	-	23.87
05/14/2017 0:00	5	14	0	W	24.16	-	24.16
05/14/2017 1:00	5	14	1	W	23.19	-	23.19
05/14/2017 2:00	5	14	2	W	22.81	-	22.81
05/14/2017 3:00	5	14	3	W	22.35	-	22.35
05/14/2017 4:00	5	14	4	W	22.54	-	22.54
05/14/2017 5:00	5	14	5	W	22.62	-	22.62
05/14/2017 6:00	5	14	6	W	22.48	-	22.48
05/14/2017 7:00	5	14	7	W	23.31	-	23.31
05/14/2017 8:00	5	14	8	W	24.70	-	24.7
05/14/2017 9:00	5	14	9	W	25.64	-	25.64
05/14/2017 10:00	5	14	10	W	26.07	-	26.07
05/14/2017 11:00	5	14	11	W	26.37	-	26.37
05/14/2017 12:00	5	14	12	W	27.11	-	27.11
05/14/2017 13:00	5	14	13	W	27.57	-	27.57
05/14/2017 14:00	5	14	14	W	28.38	-	28.38
05/14/2017 15:00	5	14	15	W	29.39	-	29.39
05/14/2017 16:00	5	14	16	W	31.31	-	31.31
05/14/2017 17:00	5	14	17	W	33.31	-	33.31
05/14/2017 18:00	5	14	18	W	31.02	-	31.02
05/14/2017 19:00	5	14	19	W	30.88	-	30.88
05/14/2017 20:00	5	14	20	W	36.39	-	36.39
05/14/2017 21:00	5	14	21	W	34.27	-	34.27
05/14/2017 22:00	5	14	22	W	27.58	-	27.58
05/14/2017 23:00	5	14	23	W	24.37	-	24.37
05/15/2017 0:00	5	15	0		23.17	-	23.17
05/15/2017 1:00	5	15	1		23.03	-	23.03
05/15/2017 2:00	5	15	2		22.94	-	22.94
05/15/2017 3:00	5	15	3		22.59	-	22.59
05/15/2017 4:00	5	15	4		23.16	-	23.16
05/15/2017 5:00	5	15	5		24.59	-	24.59
05/15/2017 6:00	5	15	6		29.76	-	29.76
05/15/2017 7:00	5	15	7		32.49	-	32.49
05/15/2017 8:00	5	15	8		33.71	33.71	-
05/15/2017 9:00	5	15	9		36.54	36.54	-
05/15/2017 10:00	5	15	10		39.51	39.51	-
05/15/2017 11:00	5	15	11		40.89	40.89	-
05/15/2017 12:00	5	15	12		43.43	43.43	-
05/15/2017 13:00	5	15	13		44.56	44.56	-
05/15/2017 14:00	5	15	14		44.17	44.17	-
05/15/2017 15:00	5	15	15		45.84	45.84	-
05/15/2017 16:00	5	15	16		46.98	46.98	-
05/15/2017 17:00	5	15	17		45.63	-	45.63
05/15/2017 18:00	5	15	18		42.64	-	42.64
05/15/2017 19:00	5	15	19		39.41	-	39.41

05/15/2017 20:00	5	15	20	43.31	-	43.31
05/15/2017 21:00	5	15	21	41.04	-	41.04
05/15/2017 22:00	5	15	22	28.64	-	28.64
05/15/2017 23:00	5	15	23	25.10	-	25.1
05/16/2017 0:00	5	16	0	22.56	-	22.56
05/16/2017 1:00	5	16	1	21.80	-	21.8
05/16/2017 2:00	5	16	2	20.79	-	20.79
05/16/2017 3:00	5	16	3	20.36	-	20.36
05/16/2017 4:00	5	16	4	21.32	-	21.32
05/16/2017 5:00	5	16	5	23.96	-	23.96
05/16/2017 6:00	5	16	6	27.77	-	27.77
05/16/2017 7:00	5	16	7	29.96	-	29.96
05/16/2017 8:00	5	16	8	31.68	31.68	-
05/16/2017 9:00	5	16	9	33.43	33.43	-
05/16/2017 10:00	5	16	10	36.82	36.82	-
05/16/2017 11:00	5	16	11	38.47	38.47	-
05/16/2017 12:00	5	16	12	40.71	40.71	-
05/16/2017 13:00	5	16	13	45.52	45.52	-
05/16/2017 14:00	5	16	14	46.47	46.47	-
05/16/2017 15:00	5	16	15	49.52	49.52	-
05/16/2017 16:00	5	16	16	53.82	53.82	-
05/16/2017 17:00	5	16	17	52.72	-	52.72
05/16/2017 18:00	5	16	18	46.98	-	46.98
05/16/2017 19:00	5	16	19	42.04	-	42.04
05/16/2017 20:00	5	16	20	45.31	-	45.31
05/16/2017 21:00	5	16	21	40.40	-	40.4
05/16/2017 22:00	5	16	22	30.33	-	30.33
05/16/2017 23:00	5	16	23	25.43	-	25.43
05/17/2017 0:00	5	17	0	23.83	-	23.83
05/17/2017 1:00	5	17	1	22.59	-	22.59
05/17/2017 2:00	5	17	2	21.10	-	21.1
05/17/2017 3:00	5	17	3	20.54	-	20.54
05/17/2017 4:00	5	17	4	20.97	-	20.97
05/17/2017 5:00	5	17	5	23.14	-	23.14
05/17/2017 6:00	5	17	6	27.16	-	27.16
05/17/2017 7:00	5	17	7	29.33	-	29.33
05/17/2017 8:00	5	17	8	31.69	31.69	-
05/17/2017 9:00	5	17	9	34.62	34.62	-
05/17/2017 10:00	5	17	10	41.12	41.12	-
05/17/2017 11:00	5	17	11	45.07	45.07	-
05/17/2017 12:00	5	17	12	50.69	50.69	-
05/17/2017 13:00	5	17	13	54.80	54.8	-
05/17/2017 14:00	5	17	14	62.86	62.86	-
05/17/2017 15:00	5	17	15	77.91	77.91	-
05/17/2017 16:00	5	17	16	93.80	93.8	-
05/17/2017 17:00	5	17	17	91.73	-	91.73
05/17/2017 18:00	5	17	18	64.72	-	64.72

05/17/2017 19:00	5	17	19	50.06	-	50.06
05/17/2017 20:00	5	17	20	52.31	-	52.31
05/17/2017 21:00	5	17	21	45.75	-	45.75
05/17/2017 22:00	5	17	22	35.72	-	35.72
05/17/2017 23:00	5	17	23	31.10	-	31.1
05/18/2017 0:00	5	18	0	28.25	-	28.25
05/18/2017 1:00	5	18	1	24.93	-	24.93
05/18/2017 2:00	5	18	2	23.21	-	23.21
05/18/2017 3:00	5	18	3	22.62	-	22.62
05/18/2017 4:00	5	18	4	22.60	-	22.6
05/18/2017 5:00	5	18	5	24.92	-	24.92
05/18/2017 6:00	5	18	6	29.19	-	29.19
05/18/2017 7:00	5	18	7	31.84	-	31.84
05/18/2017 8:00	5	18	8	34.41	34.41	-
05/18/2017 9:00	5	18	9	37.85	37.85	-
05/18/2017 10:00	5	18	10	42.91	42.91	-
05/18/2017 11:00	5	18	11	49.54	49.54	-
05/18/2017 12:00	5	18	12	60.29	60.29	-
05/18/2017 13:00	5	18	13	74.08	74.08	-
05/18/2017 14:00	5	18	14	91.54	91.54	-
05/18/2017 15:00	5	18	15	110.69	110.69	-
05/18/2017 16:00	5	18	16	128.61	128.61	-
05/18/2017 17:00	5	18	17	113.29	-	113.29
05/18/2017 18:00	5	18	18	70.71	-	70.71
05/18/2017 19:00	5	18	19	53.65	-	53.65
05/18/2017 20:00	5	18	20	52.02	-	52.02
05/18/2017 21:00	5	18	21	43.57	-	43.57
05/18/2017 22:00	5	18	22	35.35	-	35.35
05/18/2017 23:00	5	18	23	28.48	-	28.48
05/19/2017 0:00	5	19	0	26.39	-	26.39
05/19/2017 1:00	5	19	1	24.67	-	24.67
05/19/2017 2:00	5	19	2	23.60	-	23.6
05/19/2017 3:00	5	19	3	22.59	-	22.59
05/19/2017 4:00	5	19	4	23.13	-	23.13
05/19/2017 5:00	5	19	5	24.88	-	24.88
05/19/2017 6:00	5	19	6	29.10	-	29.1
05/19/2017 7:00	5	19	7	31.47	-	31.47
05/19/2017 8:00	5	19	8	32.94	32.94	-
05/19/2017 9:00	5	19	9	36.29	36.29	-
05/19/2017 10:00	5	19	10	39.61	39.61	-
05/19/2017 11:00	5	19	11	40.62	40.62	-
05/19/2017 12:00	5	19	12	41.80	41.8	-
05/19/2017 13:00	5	19	13	45.11	45.11	-
05/19/2017 14:00	5	19	14	47.82	47.82	-
05/19/2017 15:00	5	19	15	52.01	52.01	-
05/19/2017 16:00	5	19	16	56.63	56.63	-
05/19/2017 17:00	5	19	17	49.89	-	49.89

05/19/2017 18:00	5	19	18		41.47	-	41.47
05/19/2017 19:00	5	19	19		36.97	-	36.97
05/19/2017 20:00	5	19	20		39.73	-	39.73
05/19/2017 21:00	5	19	21		35.63	-	35.63
05/19/2017 22:00	5	19	22		27.92	-	27.92
05/19/2017 23:00	5	19	23		24.85	-	24.85
05/20/2017 0:00	5	20	0	W	25.26	-	25.26
05/20/2017 1:00	5	20	1	W	24.51	-	24.51
05/20/2017 2:00	5	20	2	W	22.89	-	22.89
05/20/2017 3:00	5	20	3	W	22.55	-	22.55
05/20/2017 4:00	5	20	4	W	22.64	-	22.64
05/20/2017 5:00	5	20	5	W	22.59	-	22.59
05/20/2017 6:00	5	20	6	W	22.38	-	22.38
05/20/2017 7:00	5	20	7	W	22.33	-	22.33
05/20/2017 8:00	5	20	8	W	24.32	-	24.32
05/20/2017 9:00	5	20	9	W	25.55	-	25.55
05/20/2017 10:00	5	20	10	W	26.92	-	26.92
05/20/2017 11:00	5	20	11	W	28.06	-	28.06
05/20/2017 12:00	5	20	12	W	29.41	-	29.41
05/20/2017 13:00	5	20	13	W	29.83	-	29.83
05/20/2017 14:00	5	20	14	W	31.61	-	31.61
05/20/2017 15:00	5	20	15	W	32.43	-	32.43
05/20/2017 16:00	5	20	16	W	33.11	-	33.11
05/20/2017 17:00	5	20	17	W	33.42	-	33.42
05/20/2017 18:00	5	20	18	W	28.95	-	28.95
05/20/2017 19:00	5	20	19	W	27.59	-	27.59
05/20/2017 20:00	5	20	20	W	30.10	-	30.1
05/20/2017 21:00	5	20	21	W	28.14	-	28.14
05/20/2017 22:00	5	20	22	W	25.39	-	25.39
05/20/2017 23:00	5	20	23	W	22.58	-	22.58
05/21/2017 0:00	5	21	0	W	21.92	-	21.92
05/21/2017 1:00	5	21	1	W	22.01	-	22.01
05/21/2017 2:00	5	21	2	W	20.64	-	20.64
05/21/2017 3:00	5	21	3	W	20.30	-	20.3
05/21/2017 4:00	5	21	4	W	20.42	-	20.42
05/21/2017 5:00	5	21	5	W	20.46	-	20.46
05/21/2017 6:00	5	21	6	W	20.41	-	20.41
05/21/2017 7:00	5	21	7	W	20.56	-	20.56
05/21/2017 8:00	5	21	8	W	22.06	-	22.06
05/21/2017 9:00	5	21	9	W	23.36	-	23.36
05/21/2017 10:00	5	21	10	W	24.33	-	24.33
05/21/2017 11:00	5	21	11	W	24.84	-	24.84
05/21/2017 12:00	5	21	12	W	25.20	-	25.2
05/21/2017 13:00	5	21	13	W	25.14	-	25.14
05/21/2017 14:00	5	21	14	W	25.16	-	25.16
05/21/2017 15:00	5	21	15	W	25.24	-	25.24
05/21/2017 16:00	5	21	16	W	25.32	-	25.32



05/21/2017 17:00	5	21	17	W	26.09	-	26.09
05/21/2017 18:00	5	21	18	W	25.68	-	25.68
05/21/2017 19:00	5	21	19	W	25.33	-	25.33
05/21/2017 20:00	5	21	20	W	28.24	-	28.24
05/21/2017 21:00	5	21	21	W	27.18	-	27.18
05/21/2017 22:00	5	21	22	W	23.87	-	23.87
05/21/2017 23:00	5	21	23	W	21.83	-	21.83
05/22/2017 0:00	5	22	0		21.38	-	21.38
05/22/2017 1:00	5	22	1		20.85	-	20.85
05/22/2017 2:00	5	22	2		20.60	-	20.6
05/22/2017 3:00	5	22	3		20.16	-	20.16
05/22/2017 4:00	5	22	4		20.89	-	20.89
05/22/2017 5:00	5	22	5		22.00	-	22
05/22/2017 6:00	5	22	6		25.78	-	25.78
05/22/2017 7:00	5	22	7		27.58	-	27.58
05/22/2017 8:00	5	22	8		28.67	28.67	-
05/22/2017 9:00	5	22	9		29.58	29.58	-
05/22/2017 10:00	5	22	10		30.71	30.71	-
05/22/2017 11:00	5	22	11		32.75	32.75	-
05/22/2017 12:00	5	22	12		33.11	33.11	-
05/22/2017 13:00	5	22	13		33.97	33.97	-
05/22/2017 14:00	5	22	14		33.88	33.88	-
05/22/2017 15:00	5	22	15		33.09	33.09	-
05/22/2017 16:00	5	22	16		33.24	33.24	-
05/22/2017 17:00	5	22	17		32.99	-	32.99
05/22/2017 18:00	5	22	18		30.19	-	30.19
05/22/2017 19:00	5	22	19		30.88	-	30.88
05/22/2017 20:00	5	22	20		32.90	-	32.9
05/22/2017 21:00	5	22	21		31.44	-	31.44
05/22/2017 22:00	5	22	22		24.96	-	24.96
05/22/2017 23:00	5	22	23		22.56	-	22.56
05/23/2017 0:00	5	23	0		21.75	-	21.75
05/23/2017 1:00	5	23	1		21.55	-	21.55
05/23/2017 2:00	5	23	2		21.12	-	21.12
05/23/2017 3:00	5	23	3		20.66	-	20.66
05/23/2017 4:00	5	23	4		21.31	-	21.31
05/23/2017 5:00	5	23	5		22.24	-	22.24
05/23/2017 6:00	5	23	6		25.80	-	25.8
05/23/2017 7:00	5	23	7		27.88	-	27.88
05/23/2017 8:00	5	23	8		28.23	28.23	-
05/23/2017 9:00	5	23	9		29.59	29.59	-
05/23/2017 10:00	5	23	10		31.46	31.46	-
05/23/2017 11:00	5	23	11		32.98	32.98	-
05/23/2017 12:00	5	23	12		34.31	34.31	-
05/23/2017 13:00	5	23	13		34.08	34.08	-
05/23/2017 14:00	5	23	14		34.44	34.44	-
05/23/2017 15:00	5	23	15		34.06	34.06	-



05/23/2017 16:00	5	23	16	33.64	33.64	-
05/23/2017 17:00	5	23	17	34.33	-	34.33
05/23/2017 18:00	5	23	18	32.11	-	32.11
05/23/2017 19:00	5	23	19	31.20	-	31.2
05/23/2017 20:00	5	23	20	34.09	-	34.09
05/23/2017 21:00	5	23	21	34.19	-	34.19
05/23/2017 22:00	5	23	22	25.44	-	25.44
05/23/2017 23:00	5	23	23	22.26	-	22.26
05/24/2017 0:00	5	24	0	21.97	-	21.97
05/24/2017 1:00	5	24	1	21.39	-	21.39
05/24/2017 2:00	5	24	2	20.80	-	20.8
05/24/2017 3:00	5	24	3	20.33	-	20.33
05/24/2017 4:00	5	24	4	21.00	-	21
05/24/2017 5:00	5	24	5	22.15	-	22.15
05/24/2017 6:00	5	24	6	25.88	-	25.88
05/24/2017 7:00	5	24	7	27.92	-	27.92
05/24/2017 8:00	5	24	8	28.69	28.69	-
05/24/2017 9:00	5	24	9	29.87	29.87	-
05/24/2017 10:00	5	24	10	30.29	30.29	-
05/24/2017 11:00	5	24	11	30.61	30.61	-
05/24/2017 12:00	5	24	12	30.27	30.27	-
05/24/2017 13:00	5	24	13	29.30	29.3	-
05/24/2017 14:00	5	24	14	30.49	30.49	-
05/24/2017 15:00	5	24	15	30.14	30.14	-
05/24/2017 16:00	5	24	16	29.92	29.92	-
05/24/2017 17:00	5	24	17	30.08	-	30.08
05/24/2017 18:00	5	24	18	28.98	-	28.98
05/24/2017 19:00	5	24	19	27.42	-	27.42
05/24/2017 20:00	5	24	20	30.96	-	30.96
05/24/2017 21:00	5	24	21	30.43	-	30.43
05/24/2017 22:00	5	24	22	25.15	-	25.15
05/24/2017 23:00	5	24	23	22.22	-	22.22
05/25/2017 0:00	5	25	0	21.00	-	21
05/25/2017 1:00	5	25	1	20.49	-	20.49
05/25/2017 2:00	5	25	2	20.07	-	20.07
05/25/2017 3:00	5	25	3	19.41	-	19.41
05/25/2017 4:00	5	25	4	20.46	-	20.46
05/25/2017 5:00	5	25	5	22.35	-	22.35
05/25/2017 6:00	5	25	6	25.18	-	25.18
05/25/2017 7:00	5	25	7	27.69	-	27.69
05/25/2017 8:00	5	25	8	29.73	29.73	-
05/25/2017 9:00	5	25	9	31.56	31.56	-
05/25/2017 10:00	5	25	10	32.00	32	-
05/25/2017 11:00	5	25	11	32.48	32.48	-
05/25/2017 12:00	5	25	12	31.63	31.63	-
05/25/2017 13:00	5	25	13	31.73	31.73	-
05/25/2017 14:00	5	25	14	31.83	31.83	-

05/25/2017 15:00	5	25	15		31.66	31.66	-
05/25/2017 16:00	5	25	16		32.42	32.42	-
05/25/2017 17:00	5	25	17		32.80	-	32.8
05/25/2017 18:00	5	25	18		32.30	-	32.3
05/25/2017 19:00	5	25	19		30.91	-	30.91
05/25/2017 20:00	5	25	20		33.20	-	33.2
05/25/2017 21:00	5	25	21		32.72	-	32.72
05/25/2017 22:00	5	25	22		25.24	-	25.24
05/25/2017 23:00	5	25	23		22.24	-	22.24
05/26/2017 0:00	5	26	0		21.96	-	21.96
05/26/2017 1:00	5	26	1		21.20	-	21.2
05/26/2017 2:00	5	26	2		20.98	-	20.98
05/26/2017 3:00	5	26	3		20.31	-	20.31
05/26/2017 4:00	5	26	4		20.86	-	20.86
05/26/2017 5:00	5	26	5		22.59	-	22.59
05/26/2017 6:00	5	26	6		24.30	-	24.3
05/26/2017 7:00	5	26	7		26.34	-	26.34
05/26/2017 8:00	5	26	8		27.78	27.78	-
05/26/2017 9:00	5	26	9		29.89	29.89	-
05/26/2017 10:00	5	26	10		31.10	31.1	-
05/26/2017 11:00	5	26	11		32.97	32.97	-
05/26/2017 12:00	5	26	12		33.54	33.54	-
05/26/2017 13:00	5	26	13		33.48	33.48	-
05/26/2017 14:00	5	26	14		34.09	34.09	-
05/26/2017 15:00	5	26	15		34.44	34.44	-
05/26/2017 16:00	5	26	16		35.49	35.49	-
05/26/2017 17:00	5	26	17		34.72	-	34.72
05/26/2017 18:00	5	26	18		33.38	-	33.38
05/26/2017 19:00	5	26	19		32.93	-	32.93
05/26/2017 20:00	5	26	20		33.97	-	33.97
05/26/2017 21:00	5	26	21		32.96	-	32.96
05/26/2017 22:00	5	26	22		25.46	-	25.46
05/26/2017 23:00	5	26	23		22.98	-	22.98
05/27/2017 0:00	5	27	0	W	21.67	-	21.67
05/27/2017 1:00	5	27	1	W	21.20	-	21.2
05/27/2017 2:00	5	27	2	W	20.67	-	20.67
05/27/2017 3:00	5	27	3	W	19.73	-	19.73
05/27/2017 4:00	5	27	4	W	19.86	-	19.86
05/27/2017 5:00	5	27	5	W	20.67	-	20.67
05/27/2017 6:00	5	27	6	W	21.02	-	21.02
05/27/2017 7:00	5	27	7	W	22.15	-	22.15
05/27/2017 8:00	5	27	8	W	23.62	-	23.62
05/27/2017 9:00	5	27	9	W	25.47	-	25.47
05/27/2017 10:00	5	27	10	W	28.18	-	28.18
05/27/2017 11:00	5	27	11	W	31.81	-	31.81
05/27/2017 12:00	5	27	12	W	31.86	-	31.86
05/27/2017 13:00	5	27	13	W	33.65	-	33.65

05/27/2017 14:00	5	27	14	W	33.17	-	33.17
05/27/2017 15:00	5	27	15	W	33.32	-	33.32
05/27/2017 16:00	5	27	16	W	33.86	-	33.86
05/27/2017 17:00	5	27	17	W	34.06	-	34.06
05/27/2017 18:00	5	27	18	W	33.82	-	33.82
05/27/2017 19:00	5	27	19	W	32.01	-	32.01
05/27/2017 20:00	5	27	20	W	33.59	-	33.59
05/27/2017 21:00	5	27	21	W	32.19	-	32.19
05/27/2017 22:00	5	27	22	W	25.19	-	25.19
05/27/2017 23:00	5	27	23	W	22.43	-	22.43
05/28/2017 0:00	5	28	0	W	20.10	-	20.1
05/28/2017 1:00	5	28	1	W	18.56	-	18.56
05/28/2017 2:00	5	28	2	W	17.69	-	17.69
05/28/2017 3:00	5	28	3	W	16.78	-	16.78
05/28/2017 4:00	5	28	4	W	16.52	-	16.52
05/28/2017 5:00	5	28	5	W	16.22	-	16.22
05/28/2017 6:00	5	28	6	W	14.48	-	14.48
05/28/2017 7:00	5	28	7	W	17.51	-	17.51
05/28/2017 8:00	5	28	8	W	21.00	-	21
05/28/2017 9:00	5	28	9	W	22.48	-	22.48
05/28/2017 10:00	5	28	10	W	23.23	-	23.23
05/28/2017 11:00	5	28	11	W	24.31	-	24.31
05/28/2017 12:00	5	28	12	W	25.09	-	25.09
05/28/2017 13:00	5	28	13	W	25.62	-	25.62
05/28/2017 14:00	5	28	14	W	25.72	-	25.72
05/28/2017 15:00	5	28	15	W	25.52	-	25.52
05/28/2017 16:00	5	28	16	W	25.80	-	25.8
05/28/2017 17:00	5	28	17	W	26.39	-	26.39
05/28/2017 18:00	5	28	18	W	25.98	-	25.98
05/28/2017 19:00	5	28	19	W	26.29	-	26.29
05/28/2017 20:00	5	28	20	W	26.70	-	26.7
05/28/2017 21:00	5	28	21	W	26.43	-	26.43
05/28/2017 22:00	5	28	22	W	23.49	-	23.49
05/28/2017 23:00	5	28	23	W	20.70	-	20.7
05/29/2017 0:00	5	29	0		19.44	-	19.44
05/29/2017 1:00	5	29	1		17.44	-	17.44
05/29/2017 2:00	5	29	2		16.11	-	16.11
05/29/2017 3:00	5	29	3		16.10	-	16.1
05/29/2017 4:00	5	29	4		15.26	-	15.26
05/29/2017 5:00	5	29	5		15.96	-	15.96
05/29/2017 6:00	5	29	6		16.01	-	16.01
05/29/2017 7:00	5	29	7		18.53	-	18.53
05/29/2017 8:00	5	29	8		21.83	21.83	-
05/29/2017 9:00	5	29	9		23.42	23.42	-
05/29/2017 10:00	5	29	10		24.23	24.23	-
05/29/2017 11:00	5	29	11		25.68	25.68	-
05/29/2017 12:00	5	29	12		27.91	27.91	-

05/29/2017 13:00	5	29	13	30.02	30.02	-
05/29/2017 14:00	5	29	14	30.03	30.03	-
05/29/2017 15:00	5	29	15	29.87	29.87	-
05/29/2017 16:00	5	29	16	31.12	31.12	-
05/29/2017 17:00	5	29	17	32.58	-	32.58
05/29/2017 18:00	5	29	18	30.96	-	30.96
05/29/2017 19:00	5	29	19	30.60	-	30.6
05/29/2017 20:00	5	29	20	31.08	-	31.08
05/29/2017 21:00	5	29	21	31.17	-	31.17
05/29/2017 22:00	5	29	22	23.75	-	23.75
05/29/2017 23:00	5	29	23	21.82	-	21.82
05/30/2017 0:00	5	30	0	20.21	-	20.21
05/30/2017 1:00	5	30	1	19.41	-	19.41
05/30/2017 2:00	5	30	2	17.81	-	17.81
05/30/2017 3:00	5	30	3	16.79	-	16.79
05/30/2017 4:00	5	30	4	17.46	-	17.46
05/30/2017 5:00	5	30	5	19.41	-	19.41
05/30/2017 6:00	5	30	6	22.05	-	22.05
05/30/2017 7:00	5	30	7	22.89	-	22.89
05/30/2017 8:00	5	30	8	24.11	24.11	-
05/30/2017 9:00	5	30	9	25.04	25.04	-
05/30/2017 10:00	5	30	10	26.86	26.86	-
05/30/2017 11:00	5	30	11	28.36	28.36	-
05/30/2017 12:00	5	30	12	30.21	30.21	-
05/30/2017 13:00	5	30	13	29.87	29.87	-
05/30/2017 14:00	5	30	14	30.02	30.02	-
05/30/2017 15:00	5	30	15	31.19	31.19	-
05/30/2017 16:00	5	30	16	31.54	31.54	-
05/30/2017 17:00	5	30	17	31.52	-	31.52
05/30/2017 18:00	5	30	18	29.19	-	29.19
05/30/2017 19:00	5	30	19	28.79	-	28.79
05/30/2017 20:00	5	30	20	30.88	-	30.88
05/30/2017 21:00	5	30	21	28.27	-	28.27
05/30/2017 22:00	5	30	22	22.61	-	22.61
05/30/2017 23:00	5	30	23	20.19	-	20.19
05/31/2017 0:00	5	31	0	20.17	-	20.17
05/31/2017 1:00	5	31	1	19.26	-	19.26
05/31/2017 2:00	5	31	2	18.07	-	18.07
05/31/2017 3:00	5	31	3	17.14	-	17.14
05/31/2017 4:00	5	31	4	18.73	-	18.73
05/31/2017 5:00	5	31	5	20.63	-	20.63
05/31/2017 6:00	5	31	6	22.27	-	22.27
05/31/2017 7:00	5	31	7	24.00	-	24
05/31/2017 8:00	5	31	8	24.85	24.85	-
05/31/2017 9:00	5	31	9	26.30	26.3	-
05/31/2017 10:00	5	31	10	27.81	27.81	-
05/31/2017 11:00	5	31	11	29.81	29.81	-

05/31/2017 12:00	5	31	12	30.31	30.31	-
05/31/2017 13:00	5	31	13	30.56	30.56	-
05/31/2017 14:00	5	31	14	30.66	30.66	-
05/31/2017 15:00	5	31	15	31.05	31.05	-
05/31/2017 16:00	5	31	16	31.61	31.61	-
05/31/2017 17:00	5	31	17	31.70	-	31.7
05/31/2017 18:00	5	31	18	29.89	-	29.89
05/31/2017 19:00	5	31	19	27.73	-	27.73
05/31/2017 20:00	5	31	20	30.19	-	30.19
05/31/2017 21:00	5	31	21	27.28	-	27.28
05/31/2017 22:00	5	31	22	23.09	-	23.09
05/31/2017 23:00	5	31	23	21.61	-	21.61
06/01/2017 0:00	6	1	0	19.36	-	19.36
06/01/2017 1:00	6	1	1	18.76	-	18.76
06/01/2017 2:00	6	1	2	18.25	-	18.25
06/01/2017 3:00	6	1	3	17.27	-	17.27
06/01/2017 4:00	6	1	4	18.30	-	18.3
06/01/2017 5:00	6	1	5	19.32	-	19.32
06/01/2017 6:00	6	1	6	21.62	-	21.62
06/01/2017 7:00	6	1	7	22.43	-	22.43
06/01/2017 8:00	6	1	8	23.38	23.38	-
06/01/2017 9:00	6	1	9	24.63	24.63	-
06/01/2017 10:00	6	1	10	25.81	25.81	-
06/01/2017 11:00	6	1	11	26.74	26.74	-
06/01/2017 12:00	6	1	12	28.27	28.27	-
06/01/2017 13:00	6	1	13	28.45	28.45	-
06/01/2017 14:00	6	1	14	30.10	30.1	-
06/01/2017 15:00	6	1	15	30.95	30.95	-
06/01/2017 16:00	6	1	16	31.77	31.77	-
06/01/2017 17:00	6	1	17	31.77	-	31.77
06/01/2017 18:00	6	1	18	29.49	-	29.49
06/01/2017 19:00	6	1	19	28.12	-	28.12
06/01/2017 20:00	6	1	20	29.33	-	29.33
06/01/2017 21:00	6	1	21	27.23	-	27.23
06/01/2017 22:00	6	1	22	22.51	-	22.51
06/01/2017 23:00	6	1	23	20.91	-	20.91
06/02/2017 0:00	6	2	0	19.84	-	19.84
06/02/2017 1:00	6	2	1	19.07	-	19.07
06/02/2017 2:00	6	2	2	18.58	-	18.58
06/02/2017 3:00	6	2	3	17.44	-	17.44
06/02/2017 4:00	6	2	4	18.49	-	18.49
06/02/2017 5:00	6	2	5	20.42	-	20.42
06/02/2017 6:00	6	2	6	21.73	-	21.73
06/02/2017 7:00	6	2	7	23.54	-	23.54
06/02/2017 8:00	6	2	8	24.51	24.51	-
06/02/2017 9:00	6	2	9	26.08	26.08	-
06/02/2017 10:00	6	2	10	27.74	27.74	-

06/02/2017 11:00	6	2	11		29.94	29.94	-
06/02/2017 12:00	6	2	12		32.21	32.21	-
06/02/2017 13:00	6	2	13		32.69	32.69	-
06/02/2017 14:00	6	2	14		36.38	36.38	-
06/02/2017 15:00	6	2	15		39.30	39.3	-
06/02/2017 16:00	6	2	16		40.97	40.97	-
06/02/2017 17:00	6	2	17		37.42	-	37.42
06/02/2017 18:00	6	2	18		34.76	-	34.76
06/02/2017 19:00	6	2	19		30.52	-	30.52
06/02/2017 20:00	6	2	20		31.50	-	31.5
06/02/2017 21:00	6	2	21		30.05	-	30.05
06/02/2017 22:00	6	2	22		24.43	-	24.43
06/02/2017 23:00	6	2	23		21.50	-	21.5
06/03/2017 0:00	6	3	0	W	19.89	-	19.89
06/03/2017 1:00	6	3	1	W	19.24	-	19.24
06/03/2017 2:00	6	3	2	W	17.47	-	17.47
06/03/2017 3:00	6	3	3	W	15.95	-	15.95
06/03/2017 4:00	6	3	4	W	15.68	-	15.68
06/03/2017 5:00	6	3	5	W	16.66	-	16.66
06/03/2017 6:00	6	3	6	W	17.69	-	17.69
06/03/2017 7:00	6	3	7	W	19.36	-	19.36
06/03/2017 8:00	6	3	8	W	21.97	-	21.97
06/03/2017 9:00	6	3	9	W	23.86	-	23.86
06/03/2017 10:00	6	3	10	W	24.87	-	24.87
06/03/2017 11:00	6	3	11	W	26.68	-	26.68
06/03/2017 12:00	6	3	12	W	28.80	-	28.8
06/03/2017 13:00	6	3	13	W	31.30	-	31.3
06/03/2017 14:00	6	3	14	W	35.02	-	35.02
06/03/2017 15:00	6	3	15	W	34.16	-	34.16
06/03/2017 16:00	6	3	16	W	37.74	-	37.74
06/03/2017 17:00	6	3	17	W	37.81	-	37.81
06/03/2017 18:00	6	3	18	W	34.64	-	34.64
06/03/2017 19:00	6	3	19	W	32.21	-	32.21
06/03/2017 20:00	6	3	20	W	32.02	-	32.02
06/03/2017 21:00	6	3	21	W	29.21	-	29.21
06/03/2017 22:00	6	3	22	W	24.15	-	24.15
06/03/2017 23:00	6	3	23	W	22.26	-	22.26
06/04/2017 0:00	6	4	0	W	18.70	-	18.7
06/04/2017 1:00	6	4	1	W	18.39	-	18.39
06/04/2017 2:00	6	4	2	W	17.32	-	17.32
06/04/2017 3:00	6	4	3	W	15.23	-	15.23
06/04/2017 4:00	6	4	4	W	13.82	-	13.82
06/04/2017 5:00	6	4	5	W	13.25	-	13.25
06/04/2017 6:00	6	4	6	W	10.91	-	10.91
06/04/2017 7:00	6	4	7	W	16.44	-	16.44
06/04/2017 8:00	6	4	8	W	19.46	-	19.46
06/04/2017 9:00	6	4	9	W	21.94	-	21.94

06/04/2017 10:00	6	4	10	W	24.20	-	24.2
06/04/2017 11:00	6	4	11	W	25.30	-	25.3
06/04/2017 12:00	6	4	12	W	27.13	-	27.13
06/04/2017 13:00	6	4	13	W	29.52	-	29.52
06/04/2017 14:00	6	4	14	W	32.05	-	32.05
06/04/2017 15:00	6	4	15	W	33.89	-	33.89
06/04/2017 16:00	6	4	16	W	37.76	-	37.76
06/04/2017 17:00	6	4	17	W	40.51	-	40.51
06/04/2017 18:00	6	4	18	W	34.43	-	34.43
06/04/2017 19:00	6	4	19	W	31.32	-	31.32
06/04/2017 20:00	6	4	20	W	31.96	-	31.96
06/04/2017 21:00	6	4	21	W	32.00	-	32
06/04/2017 22:00	6	4	22	W	24.93	-	24.93
06/04/2017 23:00	6	4	23	W	22.85	-	22.85
06/05/2017 0:00	6	5	0		19.40	-	19.4
06/05/2017 1:00	6	5	1		19.08	-	19.08
06/05/2017 2:00	6	5	2		17.75	-	17.75
06/05/2017 3:00	6	5	3		17.38	-	17.38
06/05/2017 4:00	6	5	4		17.72	-	17.72
06/05/2017 5:00	6	5	5		19.21	-	19.21
06/05/2017 6:00	6	5	6		21.12	-	21.12
06/05/2017 7:00	6	5	7		23.68	-	23.68
06/05/2017 8:00	6	5	8		24.66	24.66	-
06/05/2017 9:00	6	5	9		25.62	25.62	-
06/05/2017 10:00	6	5	10		27.04	27.04	-
06/05/2017 11:00	6	5	11		28.67	28.67	-
06/05/2017 12:00	6	5	12		29.23	29.23	-
06/05/2017 13:00	6	5	13		30.00	30	-
06/05/2017 14:00	6	5	14		30.31	30.31	-
06/05/2017 15:00	6	5	15		29.83	29.83	-
06/05/2017 16:00	6	5	16		30.64	30.64	-
06/05/2017 17:00	6	5	17		30.14	-	30.14
06/05/2017 18:00	6	5	18		29.91	-	29.91
06/05/2017 19:00	6	5	19		28.87	-	28.87
06/05/2017 20:00	6	5	20		28.45	-	28.45
06/05/2017 21:00	6	5	21		27.35	-	27.35
06/05/2017 22:00	6	5	22		23.22	-	23.22
06/05/2017 23:00	6	5	23		19.85	-	19.85
06/06/2017 0:00	6	6	0		19.20	-	19.2
06/06/2017 1:00	6	6	1		18.11	-	18.11
06/06/2017 2:00	6	6	2		17.10	-	17.1
06/06/2017 3:00	6	6	3		16.88	-	16.88
06/06/2017 4:00	6	6	4		17.06	-	17.06
06/06/2017 5:00	6	6	5		19.25	-	19.25
06/06/2017 6:00	6	6	6		20.01	-	20.01
06/06/2017 7:00	6	6	7		22.15	-	22.15
06/06/2017 8:00	6	6	8		23.49	23.49	-



06/06/2017 9:00	6	6	9	25.08	25.08	-
06/06/2017 10:00	6	6	10	26.41	26.41	-
06/06/2017 11:00	6	6	11	27.08	27.08	-
06/06/2017 12:00	6	6	12	27.81	27.81	-
06/06/2017 13:00	6	6	13	27.90	27.9	-
06/06/2017 14:00	6	6	14	27.80	27.8	-
06/06/2017 15:00	6	6	15	27.78	27.78	-
06/06/2017 16:00	6	6	16	27.80	27.8	-
06/06/2017 17:00	6	6	17	27.97	-	27.97
06/06/2017 18:00	6	6	18	28.01	-	28.01
06/06/2017 19:00	6	6	19	26.95	-	26.95
06/06/2017 20:00	6	6	20	26.41	-	26.41
06/06/2017 21:00	6	6	21	26.06	-	26.06
06/06/2017 22:00	6	6	22	22.28	-	22.28
06/06/2017 23:00	6	6	23	19.77	-	19.77
06/07/2017 0:00	6	7	0	18.47	-	18.47
06/07/2017 1:00	6	7	1	17.54	-	17.54
06/07/2017 2:00	6	7	2	17.63	-	17.63
06/07/2017 3:00	6	7	3	17.28	-	17.28
06/07/2017 4:00	6	7	4	17.71	-	17.71
06/07/2017 5:00	6	7	5	19.48	-	19.48
06/07/2017 6:00	6	7	6	21.37	-	21.37
06/07/2017 7:00	6	7	7	22.63	-	22.63
06/07/2017 8:00	6	7	8	23.21	23.21	-
06/07/2017 9:00	6	7	9	24.48	24.48	-
06/07/2017 10:00	6	7	10	24.74	24.74	-
06/07/2017 11:00	6	7	11	25.10	25.1	-
06/07/2017 12:00	6	7	12	25.65	25.65	-
06/07/2017 13:00	6	7	13	25.83	25.83	-
06/07/2017 14:00	6	7	14	25.89	25.89	-
06/07/2017 15:00	6	7	15	25.80	25.8	-
06/07/2017 16:00	6	7	16	25.78	25.78	-
06/07/2017 17:00	6	7	17	25.68	-	25.68
06/07/2017 18:00	6	7	18	25.54	-	25.54
06/07/2017 19:00	6	7	19	25.05	-	25.05
06/07/2017 20:00	6	7	20	25.21	-	25.21
06/07/2017 21:00	6	7	21	24.90	-	24.9
06/07/2017 22:00	6	7	22	22.49	-	22.49
06/07/2017 23:00	6	7	23	20.51	-	20.51
06/08/2017 0:00	6	8	0	18.75	-	18.75
06/08/2017 1:00	6	8	1	17.66	-	17.66
06/08/2017 2:00	6	8	2	16.88	-	16.88
06/08/2017 3:00	6	8	3	16.30	-	16.3
06/08/2017 4:00	6	8	4	16.92	-	16.92
06/08/2017 5:00	6	8	5	18.63	-	18.63
06/08/2017 6:00	6	8	6	20.10	-	20.1
06/08/2017 7:00	6	8	7	21.95	-	21.95



06/08/2017 8:00	6	8	8	23.34	23.34	-
06/08/2017 9:00	6	8	9	24.17	24.17	-
06/08/2017 10:00	6	8	10	25.09	25.09	-
06/08/2017 11:00	6	8	11	25.61	25.61	-
06/08/2017 12:00	6	8	12	25.92	25.92	-
06/08/2017 13:00	6	8	13	27.08	27.08	-
06/08/2017 14:00	6	8	14	26.92	26.92	-
06/08/2017 15:00	6	8	15	27.48	27.48	-
06/08/2017 16:00	6	8	16	27.66	27.66	-
06/08/2017 17:00	6	8	17	28.22	-	28.22
06/08/2017 18:00	6	8	18	27.55	-	27.55
06/08/2017 19:00	6	8	19	26.20	-	26.2
06/08/2017 20:00	6	8	20	26.14	-	26.14
06/08/2017 21:00	6	8	21	25.79	-	25.79
06/08/2017 22:00	6	8	22	22.39	-	22.39
06/08/2017 23:00	6	8	23	20.57	-	20.57
06/09/2017 0:00	6	9	0	18.69	-	18.69
06/09/2017 1:00	6	9	1	18.13	-	18.13
06/09/2017 2:00	6	9	2	17.12	-	17.12
06/09/2017 3:00	6	9	3	16.96	-	16.96
06/09/2017 4:00	6	9	4	16.63	-	16.63
06/09/2017 5:00	6	9	5	18.74	-	18.74
06/09/2017 6:00	6	9	6	19.72	-	19.72
06/09/2017 7:00	6	9	7	22.04	-	22.04
06/09/2017 8:00	6	9	8	23.79	23.79	-
06/09/2017 9:00	6	9	9	24.72	24.72	-
06/09/2017 10:00	6	9	10	25.87	25.87	-
06/09/2017 11:00	6	9	11	27.34	27.34	-
06/09/2017 12:00	6	9	12	30.14	30.14	-
06/09/2017 13:00	6	9	13	31.78	31.78	-
06/09/2017 14:00	6	9	14	31.59	31.59	-
06/09/2017 15:00	6	9	15	33.09	33.09	-
06/09/2017 16:00	6	9	16	33.79	33.79	-
06/09/2017 17:00	6	9	17	34.01	-	34.01
06/09/2017 18:00	6	9	18	33.40	-	33.4
06/09/2017 19:00	6	9	19	33.04	-	33.04
06/09/2017 20:00	6	9	20	30.53	-	30.53
06/09/2017 21:00	6	9	21	27.59	-	27.59
06/09/2017 22:00	6	9	22	23.50	-	23.5
06/09/2017 23:00	6	9	23	21.52	-	21.52
06/10/2017 0:00	6	10	0	20.16	-	20.16
06/10/2017 1:00	6	10	1	18.80	-	18.8
06/10/2017 2:00	6	10	2	17.65	-	17.65
06/10/2017 3:00	6	10	3	16.51	-	16.51
06/10/2017 4:00	6	10	4	15.80	-	15.8
06/10/2017 5:00	6	10	5	16.29	-	16.29
06/10/2017 6:00	6	10	6	16.65	-	16.65

06/10/2017 7:00	6	10	7	W	19.10	-	19.1
06/10/2017 8:00	6	10	8	W	21.44	-	21.44
06/10/2017 9:00	6	10	9	W	23.56	-	23.56
06/10/2017 10:00	6	10	10	W	25.23	-	25.23
06/10/2017 11:00	6	10	11	W	28.06	-	28.06
06/10/2017 12:00	6	10	12	W	31.61	-	31.61
06/10/2017 13:00	6	10	13	W	34.96	-	34.96
06/10/2017 14:00	6	10	14	W	36.38	-	36.38
06/10/2017 15:00	6	10	15	W	40.00	-	40
06/10/2017 16:00	6	10	16	W	43.71	-	43.71
06/10/2017 17:00	6	10	17	W	44.97	-	44.97
06/10/2017 18:00	6	10	18	W	38.56	-	38.56
06/10/2017 19:00	6	10	19	W	35.60	-	35.6
06/10/2017 20:00	6	10	20	W	31.94	-	31.94
06/10/2017 21:00	6	10	21	W	28.54	-	28.54
06/10/2017 22:00	6	10	22	W	25.07	-	25.07
06/10/2017 23:00	6	10	23	W	23.14	-	23.14
06/11/2017 0:00	6	11	0	W	20.06	-	20.06
06/11/2017 1:00	6	11	1	W	19.18	-	19.18
06/11/2017 2:00	6	11	2	W	17.55	-	17.55
06/11/2017 3:00	6	11	3	W	15.71	-	15.71
06/11/2017 4:00	6	11	4	W	13.85	-	13.85
06/11/2017 5:00	6	11	5	W	13.72	-	13.72
06/11/2017 6:00	6	11	6	W	14.33	-	14.33
06/11/2017 7:00	6	11	7	W	18.43	-	18.43
06/11/2017 8:00	6	11	8	W	21.02	-	21.02
06/11/2017 9:00	6	11	9	W	23.46	-	23.46
06/11/2017 10:00	6	11	10	W	25.05	-	25.05
06/11/2017 11:00	6	11	11	W	28.42	-	28.42
06/11/2017 12:00	6	11	12	W	32.39	-	32.39
06/11/2017 13:00	6	11	13	W	36.39	-	36.39
06/11/2017 14:00	6	11	14	W	36.35	-	36.35
06/11/2017 15:00	6	11	15	W	40.80	-	40.8
06/11/2017 16:00	6	11	16	W	49.26	-	49.26
06/11/2017 17:00	6	11	17	W	51.34	-	51.34
06/11/2017 18:00	6	11	18	W	45.19	-	45.19
06/11/2017 19:00	6	11	19	W	38.11	-	38.11
06/11/2017 20:00	6	11	20	W	35.62	-	35.62
06/11/2017 21:00	6	11	21	W	31.02	-	31.02
06/11/2017 22:00	6	11	22	W	25.47	-	25.47
06/11/2017 23:00	6	11	23	W	23.07	-	23.07
06/12/2017 0:00	6	12	0		21.41	-	21.41
06/12/2017 1:00	6	12	1		19.63	-	19.63
06/12/2017 2:00	6	12	2		18.12	-	18.12
06/12/2017 3:00	6	12	3		15.83	-	15.83
06/12/2017 4:00	6	12	4		16.13	-	16.13
06/12/2017 5:00	6	12	5		18.99	-	18.99

06/12/2017 6:00	6	12	6	21.54	-	21.54
06/12/2017 7:00	6	12	7	23.35	-	23.35
06/12/2017 8:00	6	12	8	25.36	25.36	-
06/12/2017 9:00	6	12	9	29.19	29.19	-
06/12/2017 10:00	6	12	10	35.87	35.87	-
06/12/2017 11:00	6	12	11	37.86	37.86	-
06/12/2017 12:00	6	12	12	42.40	42.4	-
06/12/2017 13:00	6	12	13	44.39	44.39	-
06/12/2017 14:00	6	12	14	48.72	48.72	-
06/12/2017 15:00	6	12	15	56.59	56.59	-
06/12/2017 16:00	6	12	16	67.43	67.43	-
06/12/2017 17:00	6	12	17	63.46	-	63.46
06/12/2017 18:00	6	12	18	48.48	-	48.48
06/12/2017 19:00	6	12	19	42.26	-	42.26
06/12/2017 20:00	6	12	20	38.73	-	38.73
06/12/2017 21:00	6	12	21	35.19	-	35.19
06/12/2017 22:00	6	12	22	28.17	-	28.17
06/12/2017 23:00	6	12	23	24.28	-	24.28
06/13/2017 0:00	6	13	0	23.24	-	23.24
06/13/2017 1:00	6	13	1	21.50	-	21.5
06/13/2017 2:00	6	13	2	20.05	-	20.05
06/13/2017 3:00	6	13	3	19.27	-	19.27
06/13/2017 4:00	6	13	4	19.27	-	19.27
06/13/2017 5:00	6	13	5	20.96	-	20.96
06/13/2017 6:00	6	13	6	23.21	-	23.21
06/13/2017 7:00	6	13	7	24.59	-	24.59
06/13/2017 8:00	6	13	8	26.54	26.54	-
06/13/2017 9:00	6	13	9	29.39	29.39	-
06/13/2017 10:00	6	13	10	35.00	35	-
06/13/2017 11:00	6	13	11	38.11	38.11	-
06/13/2017 12:00	6	13	12	40.83	40.83	-
06/13/2017 13:00	6	13	13	46.62	46.62	-
06/13/2017 14:00	6	13	14	53.66	53.66	-
06/13/2017 15:00	6	13	15	65.54	65.54	-
06/13/2017 16:00	6	13	16	74.01	74.01	-
06/13/2017 17:00	6	13	17	67.61	-	67.61
06/13/2017 18:00	6	13	18	49.87	-	49.87
06/13/2017 19:00	6	13	19	42.36	-	42.36
06/13/2017 20:00	6	13	20	37.53	-	37.53
06/13/2017 21:00	6	13	21	34.23	-	34.23
06/13/2017 22:00	6	13	22	28.53	-	28.53
06/13/2017 23:00	6	13	23	24.46	-	24.46
06/14/2017 0:00	6	14	0	24.21	-	24.21
06/14/2017 1:00	6	14	1	22.38	-	22.38
06/14/2017 2:00	6	14	2	21.19	-	21.19
06/14/2017 3:00	6	14	3	20.16	-	20.16
06/14/2017 4:00	6	14	4	20.24	-	20.24

06/14/2017 5:00	6	14	5	21.36	-	21.36
06/14/2017 6:00	6	14	6	23.44	-	23.44
06/14/2017 7:00	6	14	7	24.47	-	24.47
06/14/2017 8:00	6	14	8	26.38	26.38	-
06/14/2017 9:00	6	14	9	29.33	29.33	-
06/14/2017 10:00	6	14	10	34.52	34.52	-
06/14/2017 11:00	6	14	11	35.91	35.91	-
06/14/2017 12:00	6	14	12	37.67	37.67	-
06/14/2017 13:00	6	14	13	38.33	38.33	-
06/14/2017 14:00	6	14	14	38.66	38.66	-
06/14/2017 15:00	6	14	15	41.48	41.48	-
06/14/2017 16:00	6	14	16	43.80	43.8	-
06/14/2017 17:00	6	14	17	39.50	-	39.5
06/14/2017 18:00	6	14	18	36.74	-	36.74
06/14/2017 19:00	6	14	19	34.30	-	34.3
06/14/2017 20:00	6	14	20	33.74	-	33.74
06/14/2017 21:00	6	14	21	33.57	-	33.57
06/14/2017 22:00	6	14	22	26.39	-	26.39
06/14/2017 23:00	6	14	23	24.05	-	24.05
06/15/2017 0:00	6	15	0	21.87	-	21.87
06/15/2017 1:00	6	15	1	20.42	-	20.42
06/15/2017 2:00	6	15	2	19.48	-	19.48
06/15/2017 3:00	6	15	3	18.65	-	18.65
06/15/2017 4:00	6	15	4	18.87	-	18.87
06/15/2017 5:00	6	15	5	20.17	-	20.17
06/15/2017 6:00	6	15	6	21.91	-	21.91
06/15/2017 7:00	6	15	7	23.50	-	23.5
06/15/2017 8:00	6	15	8	25.16	25.16	-
06/15/2017 9:00	6	15	9	26.94	26.94	-
06/15/2017 10:00	6	15	10	29.42	29.42	-
06/15/2017 11:00	6	15	11	32.85	32.85	-
06/15/2017 12:00	6	15	12	36.91	36.91	-
06/15/2017 13:00	6	15	13	36.36	36.36	-
06/15/2017 14:00	6	15	14	38.09	38.09	-
06/15/2017 15:00	6	15	15	39.37	39.37	-
06/15/2017 16:00	6	15	16	41.04	41.04	-
06/15/2017 17:00	6	15	17	37.69	-	37.69
06/15/2017 18:00	6	15	18	34.79	-	34.79
06/15/2017 19:00	6	15	19	33.50	-	33.5
06/15/2017 20:00	6	15	20	31.76	-	31.76
06/15/2017 21:00	6	15	21	29.99	-	29.99
06/15/2017 22:00	6	15	22	26.19	-	26.19
06/15/2017 23:00	6	15	23	23.26	-	23.26
06/16/2017 0:00	6	16	0	21.59	-	21.59
06/16/2017 1:00	6	16	1	20.58	-	20.58
06/16/2017 2:00	6	16	2	19.23	-	19.23
06/16/2017 3:00	6	16	3	18.31	-	18.31

06/16/2017 4:00	6	16	4		18.71	-	18.71
06/16/2017 5:00	6	16	5		20.24	-	20.24
06/16/2017 6:00	6	16	6		21.47	-	21.47
06/16/2017 7:00	6	16	7		23.70	-	23.7
06/16/2017 8:00	6	16	8		24.99	24.99	-
06/16/2017 9:00	6	16	9		26.84	26.84	-
06/16/2017 10:00	6	16	10		30.09	30.09	-
06/16/2017 11:00	6	16	11		34.64	34.64	-
06/16/2017 12:00	6	16	12		37.66	37.66	-
06/16/2017 13:00	6	16	13		39.41	39.41	-
06/16/2017 14:00	6	16	14		42.06	42.06	-
06/16/2017 15:00	6	16	15		43.11	43.11	-
06/16/2017 16:00	6	16	16		45.63	45.63	-
06/16/2017 17:00	6	16	17		41.73	-	41.73
06/16/2017 18:00	6	16	18		38.05	-	38.05
06/16/2017 19:00	6	16	19		35.70	-	35.7
06/16/2017 20:00	6	16	20		34.68	-	34.68
06/16/2017 21:00	6	16	21		32.05	-	32.05
06/16/2017 22:00	6	16	22		26.25	-	26.25
06/16/2017 23:00	6	16	23		23.91	-	23.91
06/17/2017 0:00	6	17	0	W	22.25	-	22.25
06/17/2017 1:00	6	17	1	W	20.92	-	20.92
06/17/2017 2:00	6	17	2	W	19.45	-	19.45
06/17/2017 3:00	6	17	3	W	18.06	-	18.06
06/17/2017 4:00	6	17	4	W	17.69	-	17.69
06/17/2017 5:00	6	17	5	W	17.65	-	17.65
06/17/2017 6:00	6	17	6	W	17.75	-	17.75
06/17/2017 7:00	6	17	7	W	20.34	-	20.34
06/17/2017 8:00	6	17	8	W	22.30	-	22.3
06/17/2017 9:00	6	17	9	W	23.66	-	23.66
06/17/2017 10:00	6	17	10	W	26.13	-	26.13
06/17/2017 11:00	6	17	11	W	28.65	-	28.65
06/17/2017 12:00	6	17	12	W	32.76	-	32.76
06/17/2017 13:00	6	17	13	W	34.14	-	34.14
06/17/2017 14:00	6	17	14	W	34.98	-	34.98
06/17/2017 15:00	6	17	15	W	36.49	-	36.49
06/17/2017 16:00	6	17	16	W	42.53	-	42.53
06/17/2017 17:00	6	17	17	W	41.10	-	41.1
06/17/2017 18:00	6	17	18	W	36.92	-	36.92
06/17/2017 19:00	6	17	19	W	34.08	-	34.08
06/17/2017 20:00	6	17	20	W	33.21	-	33.21
06/17/2017 21:00	6	17	21	W	31.21	-	31.21
06/17/2017 22:00	6	17	22	W	26.10	-	26.1
06/17/2017 23:00	6	17	23	W	23.39	-	23.39
06/18/2017 0:00	6	18	0	W	22.23	-	22.23
06/18/2017 1:00	6	18	1	W	21.43	-	21.43
06/18/2017 2:00	6	18	2	W	19.85	-	19.85

06/18/2017 3:00	6	18	3	W	18.18	-	18.18
06/18/2017 4:00	6	18	4	W	17.45	-	17.45
06/18/2017 5:00	6	18	5	W	17.22	-	17.22
06/18/2017 6:00	6	18	6	W	16.93	-	16.93
06/18/2017 7:00	6	18	7	W	19.56	-	19.56
06/18/2017 8:00	6	18	8	W	22.11	-	22.11
06/18/2017 9:00	6	18	9	W	23.67	-	23.67
06/18/2017 10:00	6	18	10	W	26.68	-	26.68
06/18/2017 11:00	6	18	11	W	29.61	-	29.61
06/18/2017 12:00	6	18	12	W	33.36	-	33.36
06/18/2017 13:00	6	18	13	W	33.41	-	33.41
06/18/2017 14:00	6	18	14	W	35.13	-	35.13
06/18/2017 15:00	6	18	15	W	35.84	-	35.84
06/18/2017 16:00	6	18	16	W	40.39	-	40.39
06/18/2017 17:00	6	18	17	W	36.74	-	36.74
06/18/2017 18:00	6	18	18	W	34.57	-	34.57
06/18/2017 19:00	6	18	19	W	32.62	-	32.62
06/18/2017 20:00	6	18	20	W	32.24	-	32.24
06/18/2017 21:00	6	18	21	W	32.12	-	32.12
06/18/2017 22:00	6	18	22	W	26.85	-	26.85
06/18/2017 23:00	6	18	23	W	23.66	-	23.66
06/19/2017 0:00	6	19	0		22.53	-	22.53
06/19/2017 1:00	6	19	1		20.91	-	20.91
06/19/2017 2:00	6	19	2		20.21	-	20.21
06/19/2017 3:00	6	19	3		19.35	-	19.35
06/19/2017 4:00	6	19	4		19.52	-	19.52
06/19/2017 5:00	6	19	5		20.76	-	20.76
06/19/2017 6:00	6	19	6		22.25	-	22.25
06/19/2017 7:00	6	19	7		23.81	-	23.81
06/19/2017 8:00	6	19	8		26.35	26.35	-
06/19/2017 9:00	6	19	9		29.66	29.66	-
06/19/2017 10:00	6	19	10		33.29	33.29	-
06/19/2017 11:00	6	19	11		34.64	34.64	-
06/19/2017 12:00	6	19	12		38.57	38.57	-
06/19/2017 13:00	6	19	13		38.90	38.9	-
06/19/2017 14:00	6	19	14		39.99	39.99	-
06/19/2017 15:00	6	19	15		38.77	38.77	-
06/19/2017 16:00	6	19	16		41.03	41.03	-
06/19/2017 17:00	6	19	17		36.34	-	36.34
06/19/2017 18:00	6	19	18		33.67	-	33.67
06/19/2017 19:00	6	19	19		31.46	-	31.46
06/19/2017 20:00	6	19	20		31.86	-	31.86
06/19/2017 21:00	6	19	21		29.94	-	29.94
06/19/2017 22:00	6	19	22		24.95	-	24.95
06/19/2017 23:00	6	19	23		22.36	-	22.36
06/20/2017 0:00	6	20	0		21.29	-	21.29
06/20/2017 1:00	6	20	1		20.46	-	20.46

06/20/2017 2:00	6	20	2	19.19	-	19.19
06/20/2017 3:00	6	20	3	18.34	-	18.34
06/20/2017 4:00	6	20	4	18.63	-	18.63
06/20/2017 5:00	6	20	5	19.96	-	19.96
06/20/2017 6:00	6	20	6	21.43	-	21.43
06/20/2017 7:00	6	20	7	22.69	-	22.69
06/20/2017 8:00	6	20	8	23.65	23.65	-
06/20/2017 9:00	6	20	9	25.62	25.62	-
06/20/2017 10:00	6	20	10	27.86	27.86	-
06/20/2017 11:00	6	20	11	29.69	29.69	-
06/20/2017 12:00	6	20	12	31.41	31.41	-
06/20/2017 13:00	6	20	13	33.11	33.11	-
06/20/2017 14:00	6	20	14	34.10	34.1	-
06/20/2017 15:00	6	20	15	35.55	35.55	-
06/20/2017 16:00	6	20	16	38.10	38.1	-
06/20/2017 17:00	6	20	17	38.06	-	38.06
06/20/2017 18:00	6	20	18	33.46	-	33.46
06/20/2017 19:00	6	20	19	31.06	-	31.06
06/20/2017 20:00	6	20	20	29.95	-	29.95
06/20/2017 21:00	6	20	21	28.58	-	28.58
06/20/2017 22:00	6	20	22	25.22	-	25.22
06/20/2017 23:00	6	20	23	22.76	-	22.76
06/21/2017 0:00	6	21	0	20.57	-	20.57
06/21/2017 1:00	6	21	1	19.38	-	19.38
06/21/2017 2:00	6	21	2	18.28	-	18.28
06/21/2017 3:00	6	21	3	17.17	-	17.17
06/21/2017 4:00	6	21	4	17.67	-	17.67
06/21/2017 5:00	6	21	5	19.37	-	19.37
06/21/2017 6:00	6	21	6	20.81	-	20.81
06/21/2017 7:00	6	21	7	21.63	-	21.63
06/21/2017 8:00	6	21	8	22.90	22.9	-
06/21/2017 9:00	6	21	9	24.47	24.47	-
06/21/2017 10:00	6	21	10	26.45	26.45	-
06/21/2017 11:00	6	21	11	28.36	28.36	-
06/21/2017 12:00	6	21	12	31.48	31.48	-
06/21/2017 13:00	6	21	13	32.62	32.62	-
06/21/2017 14:00	6	21	14	33.05	33.05	-
06/21/2017 15:00	6	21	15	37.44	37.44	-
06/21/2017 16:00	6	21	16	40.29	40.29	-
06/21/2017 17:00	6	21	17	37.18	-	37.18
06/21/2017 18:00	6	21	18	33.14	-	33.14
06/21/2017 19:00	6	21	19	30.41	-	30.41
06/21/2017 20:00	6	21	20	28.60	-	28.6
06/21/2017 21:00	6	21	21	27.50	-	27.5
06/21/2017 22:00	6	21	22	24.89	-	24.89
06/21/2017 23:00	6	21	23	22.35	-	22.35
06/22/2017 0:00	6	22	0	20.65	-	20.65



06/22/2017 1:00	6	22	1	19.80	-	19.8
06/22/2017 2:00	6	22	2	18.56	-	18.56
06/22/2017 3:00	6	22	3	17.40	-	17.4
06/22/2017 4:00	6	22	4	17.70	-	17.7
06/22/2017 5:00	6	22	5	19.35	-	19.35
06/22/2017 6:00	6	22	6	20.32	-	20.32
06/22/2017 7:00	6	22	7	21.75	-	21.75
06/22/2017 8:00	6	22	8	24.03	24.03	-
06/22/2017 9:00	6	22	9	25.80	25.8	-
06/22/2017 10:00	6	22	10	29.12	29.12	-
06/22/2017 11:00	6	22	11	33.69	33.69	-
06/22/2017 12:00	6	22	12	36.69	36.69	-
06/22/2017 13:00	6	22	13	38.54	38.54	-
06/22/2017 14:00	6	22	14	40.00	40	-
06/22/2017 15:00	6	22	15	43.38	43.38	-
06/22/2017 16:00	6	22	16	49.78	49.78	-
06/22/2017 17:00	6	22	17	46.92	-	46.92
06/22/2017 18:00	6	22	18	39.15	-	39.15
06/22/2017 19:00	6	22	19	36.94	-	36.94
06/22/2017 20:00	6	22	20	37.75	-	37.75
06/22/2017 21:00	6	22	21	35.00	-	35
06/22/2017 22:00	6	22	22	27.46	-	27.46
06/22/2017 23:00	6	22	23	24.91	-	24.91
06/23/2017 0:00	6	23	0	22.48	-	22.48
06/23/2017 1:00	6	23	1	21.40	-	21.4
06/23/2017 2:00	6	23	2	20.15	-	20.15
06/23/2017 3:00	6	23	3	19.45	-	19.45
06/23/2017 4:00	6	23	4	19.45	-	19.45
06/23/2017 5:00	6	23	5	20.76	-	20.76
06/23/2017 6:00	6	23	6	22.49	-	22.49
06/23/2017 7:00	6	23	7	23.57	-	23.57
06/23/2017 8:00	6	23	8	25.51	25.51	-
06/23/2017 9:00	6	23	9	27.18	27.18	-
06/23/2017 10:00	6	23	10	28.80	28.8	-
06/23/2017 11:00	6	23	11	33.20	33.2	-
06/23/2017 12:00	6	23	12	34.90	34.9	-
06/23/2017 13:00	6	23	13	35.22	35.22	-
06/23/2017 14:00	6	23	14	36.13	36.13	-
06/23/2017 15:00	6	23	15	36.52	36.52	-
06/23/2017 16:00	6	23	16	38.42	38.42	-
06/23/2017 17:00	6	23	17	36.14	-	36.14
06/23/2017 18:00	6	23	18	33.41	-	33.41
06/23/2017 19:00	6	23	19	30.34	-	30.34
06/23/2017 20:00	6	23	20	30.46	-	30.46
06/23/2017 21:00	6	23	21	30.32	-	30.32
06/23/2017 22:00	6	23	22	25.97	-	25.97
06/23/2017 23:00	6	23	23	23.46	-	23.46



06/24/2017 0:00	6	24	0	W	22.36	-	22.36
06/24/2017 1:00	6	24	1	W	21.44	-	21.44
06/24/2017 2:00	6	24	2	W	21.10	-	21.1
06/24/2017 3:00	6	24	3	W	19.95	-	19.95
06/24/2017 4:00	6	24	4	W	19.54	-	19.54
06/24/2017 5:00	6	24	5	W	19.70	-	19.7
06/24/2017 6:00	6	24	6	W	19.93	-	19.93
06/24/2017 7:00	6	24	7	W	21.19	-	21.19
06/24/2017 8:00	6	24	8	W	22.75	-	22.75
06/24/2017 9:00	6	24	9	W	24.84	-	24.84
06/24/2017 10:00	6	24	10	W	26.97	-	26.97
06/24/2017 11:00	6	24	11	W	28.27	-	28.27
06/24/2017 12:00	6	24	12	W	31.80	-	31.8
06/24/2017 13:00	6	24	13	W	32.25	-	32.25
06/24/2017 14:00	6	24	14	W	32.67	-	32.67
06/24/2017 15:00	6	24	15	W	33.28	-	33.28
06/24/2017 16:00	6	24	16	W	33.33	-	33.33
06/24/2017 17:00	6	24	17	W	33.64	-	33.64
06/24/2017 18:00	6	24	18	W	32.61	-	32.61
06/24/2017 19:00	6	24	19	W	29.15	-	29.15
06/24/2017 20:00	6	24	20	W	27.55	-	27.55
06/24/2017 21:00	6	24	21	W	26.56	-	26.56
06/24/2017 22:00	6	24	22	W	24.19	-	24.19
06/24/2017 23:00	6	24	23	W	21.94	-	21.94
06/25/2017 0:00	6	25	0	W	20.26	-	20.26
06/25/2017 1:00	6	25	1	W	19.10	-	19.1
06/25/2017 2:00	6	25	2	W	17.12	-	17.12
06/25/2017 3:00	6	25	3	W	15.72	-	15.72
06/25/2017 4:00	6	25	4	W	14.83	-	14.83
06/25/2017 5:00	6	25	5	W	13.65	-	13.65
06/25/2017 6:00	6	25	6	W	12.68	-	12.68
06/25/2017 7:00	6	25	7	W	15.36	-	15.36
06/25/2017 8:00	6	25	8	W	18.86	-	18.86
06/25/2017 9:00	6	25	9	W	20.27	-	20.27
06/25/2017 10:00	6	25	10	W	21.78	-	21.78
06/25/2017 11:00	6	25	11	W	23.39	-	23.39
06/25/2017 12:00	6	25	12	W	24.62	-	24.62
06/25/2017 13:00	6	25	13	W	25.12	-	25.12
06/25/2017 14:00	6	25	14	W	26.14	-	26.14
06/25/2017 15:00	6	25	15	W	26.57	-	26.57
06/25/2017 16:00	6	25	16	W	26.80	-	26.8
06/25/2017 17:00	6	25	17	W	26.64	-	26.64
06/25/2017 18:00	6	25	18	W	26.57	-	26.57
06/25/2017 19:00	6	25	19	W	25.57	-	25.57
06/25/2017 20:00	6	25	20	W	25.50	-	25.5
06/25/2017 21:00	6	25	21	W	25.15	-	25.15
06/25/2017 22:00	6	25	22	W	21.69	-	21.69

06/25/2017 23:00	6	25	23	W	19.91	-	19.91
06/26/2017 0:00	6	26	0		18.10	-	18.1
06/26/2017 1:00	6	26	1		16.28	-	16.28
06/26/2017 2:00	6	26	2		13.35	-	13.35
06/26/2017 3:00	6	26	3		12.81	-	12.81
06/26/2017 4:00	6	26	4		13.35	-	13.35
06/26/2017 5:00	6	26	5		14.71	-	14.71
06/26/2017 6:00	6	26	6		18.83	-	18.83
06/26/2017 7:00	6	26	7		20.48	-	20.48
06/26/2017 8:00	6	26	8		21.65	21.65	-
06/26/2017 9:00	6	26	9		22.89	22.89	-
06/26/2017 10:00	6	26	10		23.57	23.57	-
06/26/2017 11:00	6	26	11		24.37	24.37	-
06/26/2017 12:00	6	26	12		24.86	24.86	-
06/26/2017 13:00	6	26	13		25.47	25.47	-
06/26/2017 14:00	6	26	14		26.09	26.09	-
06/26/2017 15:00	6	26	15		26.41	26.41	-
06/26/2017 16:00	6	26	16		26.61	26.61	-
06/26/2017 17:00	6	26	17		26.59	-	26.59
06/26/2017 18:00	6	26	18		25.83	-	25.83
06/26/2017 19:00	6	26	19		24.61	-	24.61
06/26/2017 20:00	6	26	20		24.75	-	24.75
06/26/2017 21:00	6	26	21		23.69	-	23.69
06/26/2017 22:00	6	26	22		21.51	-	21.51
06/26/2017 23:00	6	26	23		19.53	-	19.53
06/27/2017 0:00	6	27	0		18.72	-	18.72
06/27/2017 1:00	6	27	1		16.90	-	16.9
06/27/2017 2:00	6	27	2		16.77	-	16.77
06/27/2017 3:00	6	27	3		16.10	-	16.1
06/27/2017 4:00	6	27	4		16.30	-	16.3
06/27/2017 5:00	6	27	5		18.60	-	18.6
06/27/2017 6:00	6	27	6		20.31	-	20.31
06/27/2017 7:00	6	27	7		21.88	-	21.88
06/27/2017 8:00	6	27	8		22.41	22.41	-
06/27/2017 9:00	6	27	9		23.18	23.18	-
06/27/2017 10:00	6	27	10		24.18	24.18	-
06/27/2017 11:00	6	27	11		25.04	25.04	-
06/27/2017 12:00	6	27	12		25.60	25.6	-
06/27/2017 13:00	6	27	13		25.94	25.94	-
06/27/2017 14:00	6	27	14		26.09	26.09	-
06/27/2017 15:00	6	27	15		26.31	26.31	-
06/27/2017 16:00	6	27	16		27.29	27.29	-
06/27/2017 17:00	6	27	17		27.52	-	27.52
06/27/2017 18:00	6	27	18		26.03	-	26.03
06/27/2017 19:00	6	27	19		24.79	-	24.79
06/27/2017 20:00	6	27	20		24.97	-	24.97
06/27/2017 21:00	6	27	21		24.28	-	24.28

06/27/2017 22:00	6	27	22	21.97	-	21.97
06/27/2017 23:00	6	27	23	19.76	-	19.76
06/28/2017 0:00	6	28	0	17.04	-	17.04
06/28/2017 1:00	6	28	1	16.15	-	16.15
06/28/2017 2:00	6	28	2	15.57	-	15.57
06/28/2017 3:00	6	28	3	13.99	-	13.99
06/28/2017 4:00	6	28	4	15.10	-	15.1
06/28/2017 5:00	6	28	5	16.59	-	16.59
06/28/2017 6:00	6	28	6	18.78	-	18.78
06/28/2017 7:00	6	28	7	19.98	-	19.98
06/28/2017 8:00	6	28	8	20.96	20.96	-
06/28/2017 9:00	6	28	9	21.89	21.89	-
06/28/2017 10:00	6	28	10	23.43	23.43	-
06/28/2017 11:00	6	28	11	24.33	24.33	-
06/28/2017 12:00	6	28	12	25.52	25.52	-
06/28/2017 13:00	6	28	13	27.31	27.31	-
06/28/2017 14:00	6	28	14	28.67	28.67	-
06/28/2017 15:00	6	28	15	29.02	29.02	-
06/28/2017 16:00	6	28	16	33.09	33.09	-
06/28/2017 17:00	6	28	17	32.81	-	32.81
06/28/2017 18:00	6	28	18	29.00	-	29
06/28/2017 19:00	6	28	19	27.54	-	27.54
06/28/2017 20:00	6	28	20	27.32	-	27.32
06/28/2017 21:00	6	28	21	26.30	-	26.3
06/28/2017 22:00	6	28	22	22.78	-	22.78
06/28/2017 23:00	6	28	23	20.27	-	20.27
06/29/2017 0:00	6	29	0	18.96	-	18.96
06/29/2017 1:00	6	29	1	18.26	-	18.26
06/29/2017 2:00	6	29	2	16.80	-	16.8
06/29/2017 3:00	6	29	3	15.26	-	15.26
06/29/2017 4:00	6	29	4	15.99	-	15.99
06/29/2017 5:00	6	29	5	18.36	-	18.36
06/29/2017 6:00	6	29	6	19.80	-	19.8
06/29/2017 7:00	6	29	7	21.10	-	21.1
06/29/2017 8:00	6	29	8	22.78	22.78	-
06/29/2017 9:00	6	29	9	24.56	24.56	-
06/29/2017 10:00	6	29	10	27.45	27.45	-
06/29/2017 11:00	6	29	11	30.99	30.99	-
06/29/2017 12:00	6	29	12	35.48	35.48	-
06/29/2017 13:00	6	29	13	39.85	39.85	-
06/29/2017 14:00	6	29	14	41.94	41.94	-
06/29/2017 15:00	6	29	15	47.36	47.36	-
06/29/2017 16:00	6	29	16	51.77	51.77	-
06/29/2017 17:00	6	29	17	49.90	-	49.9
06/29/2017 18:00	6	29	18	43.25	-	43.25
06/29/2017 19:00	6	29	19	38.15	-	38.15
06/29/2017 20:00	6	29	20	37.44	-	37.44

06/29/2017 21:00	6	29	21		33.76	-	33.76
06/29/2017 22:00	6	29	22		26.94	-	26.94
06/29/2017 23:00	6	29	23		23.75	-	23.75
06/30/2017 0:00	6	30	0		21.38	-	21.38
06/30/2017 1:00	6	30	1		19.89	-	19.89
06/30/2017 2:00	6	30	2		19.01	-	19.01
06/30/2017 3:00	6	30	3		17.81	-	17.81
06/30/2017 4:00	6	30	4		18.00	-	18
06/30/2017 5:00	6	30	5		19.34	-	19.34
06/30/2017 6:00	6	30	6		20.79	-	20.79
06/30/2017 7:00	6	30	7		21.85	-	21.85
06/30/2017 8:00	6	30	8		24.24	24.24	-
06/30/2017 9:00	6	30	9		26.26	26.26	-
06/30/2017 10:00	6	30	10		29.59	29.59	-
06/30/2017 11:00	6	30	11		34.80	34.8	-
06/30/2017 12:00	6	30	12		36.71	36.71	-
06/30/2017 13:00	6	30	13		39.23	39.23	-
06/30/2017 14:00	6	30	14		42.75	42.75	-
06/30/2017 15:00	6	30	15		49.25	49.25	-
06/30/2017 16:00	6	30	16		49.55	49.55	-
06/30/2017 17:00	6	30	17		46.05	-	46.05
06/30/2017 18:00	6	30	18		36.34	-	36.34
06/30/2017 19:00	6	30	19		34.69	-	34.69
06/30/2017 20:00	6	30	20		34.98	-	34.98
06/30/2017 21:00	6	30	21		32.80	-	32.8
06/30/2017 22:00	6	30	22		26.35	-	26.35
06/30/2017 23:00	6	30	23		23.19	-	23.19
07/01/2017 0:00	7	1	0	W	21.75	-	21.75
07/01/2017 1:00	7	1	1	W	21.61	-	21.61
07/01/2017 2:00	7	1	2	W	20.74	-	20.74
07/01/2017 3:00	7	1	3	W	19.78	-	19.78
07/01/2017 4:00	7	1	4	W	19.28	-	19.28
07/01/2017 5:00	7	1	5	W	19.25	-	19.25
07/01/2017 6:00	7	1	6	W	18.97	-	18.97
07/01/2017 7:00	7	1	7	W	20.67	-	20.67
07/01/2017 8:00	7	1	8	W	21.71	-	21.71
07/01/2017 9:00	7	1	9	W	23.65	-	23.65
07/01/2017 10:00	7	1	10	W	25.88	-	25.88
07/01/2017 11:00	7	1	11	W	28.03	-	28.03
07/01/2017 12:00	7	1	12	W	28.56	-	28.56
07/01/2017 13:00	7	1	13	W	29.51	-	29.51
07/01/2017 14:00	7	1	14	W	29.29	-	29.29
07/01/2017 15:00	7	1	15	W	30.22	-	30.22
07/01/2017 16:00	7	1	16	W	31.38	-	31.38
07/01/2017 17:00	7	1	17	W	30.73	-	30.73
07/01/2017 18:00	7	1	18	W	29.76	-	29.76
07/01/2017 19:00	7	1	19	W	29.56	-	29.56

07/01/2017 20:00	7	1	20	W	28.68	-	28.68
07/01/2017 21:00	7	1	21	W	27.58	-	27.58
07/01/2017 22:00	7	1	22	W	25.16	-	25.16
07/01/2017 23:00	7	1	23	W	22.19	-	22.19
07/02/2017 0:00	7	2	0	W	21.61	-	21.61
07/02/2017 1:00	7	2	1	W	21.33	-	21.33
07/02/2017 2:00	7	2	2	W	20.52	-	20.52
07/02/2017 3:00	7	2	3	W	19.33	-	19.33
07/02/2017 4:00	7	2	4	W	18.58	-	18.58
07/02/2017 5:00	7	2	5	W	17.57	-	17.57
07/02/2017 6:00	7	2	6	W	17.02	-	17.02
07/02/2017 7:00	7	2	7	W	19.48	-	19.48
07/02/2017 8:00	7	2	8	W	21.61	-	21.61
07/02/2017 9:00	7	2	9	W	23.43	-	23.43
07/02/2017 10:00	7	2	10	W	25.46	-	25.46
07/02/2017 11:00	7	2	11	W	27.56	-	27.56
07/02/2017 12:00	7	2	12	W	29.82	-	29.82
07/02/2017 13:00	7	2	13	W	33.17	-	33.17
07/02/2017 14:00	7	2	14	W	35.72	-	35.72
07/02/2017 15:00	7	2	15	W	38.62	-	38.62
07/02/2017 16:00	7	2	16	W	41.72	-	41.72
07/02/2017 17:00	7	2	17	W	45.02	-	45.02
07/02/2017 18:00	7	2	18	W	38.69	-	38.69
07/02/2017 19:00	7	2	19	W	36.58	-	36.58
07/02/2017 20:00	7	2	20	W	33.58	-	33.58
07/02/2017 21:00	7	2	21	W	30.09	-	30.09
07/02/2017 22:00	7	2	22	W	26.62	-	26.62
07/02/2017 23:00	7	2	23	W	23.91	-	23.91
07/03/2017 0:00	7	3	0		22.71	-	22.71
07/03/2017 1:00	7	3	1		21.08	-	21.08
07/03/2017 2:00	7	3	2		20.18	-	20.18
07/03/2017 3:00	7	3	3		19.25	-	19.25
07/03/2017 4:00	7	3	4		19.31	-	19.31
07/03/2017 5:00	7	3	5		20.10	-	20.1
07/03/2017 6:00	7	3	6		21.41	-	21.41
07/03/2017 7:00	7	3	7		23.12	-	23.12
07/03/2017 8:00	7	3	8		24.50	24.5	-
07/03/2017 9:00	7	3	9		26.71	26.71	-
07/03/2017 10:00	7	3	10		31.52	31.52	-
07/03/2017 11:00	7	3	11		36.29	36.29	-
07/03/2017 12:00	7	3	12		37.92	37.92	-
07/03/2017 13:00	7	3	13		40.78	40.78	-
07/03/2017 14:00	7	3	14		42.01	42.01	-
07/03/2017 15:00	7	3	15		45.78	45.78	-
07/03/2017 16:00	7	3	16		47.95	47.95	-
07/03/2017 17:00	7	3	17		45.69	-	45.69
07/03/2017 18:00	7	3	18		40.71	-	40.71

07/03/2017 19:00	7	3	19	37.58	-	37.58
07/03/2017 20:00	7	3	20	34.88	-	34.88
07/03/2017 21:00	7	3	21	31.25	-	31.25
07/03/2017 22:00	7	3	22	26.33	-	26.33
07/03/2017 23:00	7	3	23	24.59	-	24.59
07/04/2017 0:00	7	4	0	22.20	-	22.2
07/04/2017 1:00	7	4	1	21.32	-	21.32
07/04/2017 2:00	7	4	2	20.41	-	20.41
07/04/2017 3:00	7	4	3	18.80	-	18.8
07/04/2017 4:00	7	4	4	18.39	-	18.39
07/04/2017 5:00	7	4	5	17.86	-	17.86
07/04/2017 6:00	7	4	6	17.51	-	17.51
07/04/2017 7:00	7	4	7	20.24	-	20.24
07/04/2017 8:00	7	4	8	22.57	22.57	-
07/04/2017 9:00	7	4	9	23.91	23.91	-
07/04/2017 10:00	7	4	10	25.73	25.73	-
07/04/2017 11:00	7	4	11	28.42	28.42	-
07/04/2017 12:00	7	4	12	30.31	30.31	-
07/04/2017 13:00	7	4	13	33.42	33.42	-
07/04/2017 14:00	7	4	14	33.87	33.87	-
07/04/2017 15:00	7	4	15	38.48	38.48	-
07/04/2017 16:00	7	4	16	38.88	38.88	-
07/04/2017 17:00	7	4	17	38.94	-	38.94
07/04/2017 18:00	7	4	18	34.67	-	34.67
07/04/2017 19:00	7	4	19	33.29	-	33.29
07/04/2017 20:00	7	4	20	29.32	-	29.32
07/04/2017 21:00	7	4	21	28.16	-	28.16
07/04/2017 22:00	7	4	22	25.57	-	25.57
07/04/2017 23:00	7	4	23	23.61	-	23.61
07/05/2017 0:00	7	5	0	21.97	-	21.97
07/05/2017 1:00	7	5	1	21.09	-	21.09
07/05/2017 2:00	7	5	2	19.85	-	19.85
07/05/2017 3:00	7	5	3	18.94	-	18.94
07/05/2017 4:00	7	5	4	19.26	-	19.26
07/05/2017 5:00	7	5	5	20.10	-	20.1
07/05/2017 6:00	7	5	6	21.82	-	21.82
07/05/2017 7:00	7	5	7	22.86	-	22.86
07/05/2017 8:00	7	5	8	23.91	23.91	-
07/05/2017 9:00	7	5	9	26.14	26.14	-
07/05/2017 10:00	7	5	10	29.10	29.1	-
07/05/2017 11:00	7	5	11	32.46	32.46	-
07/05/2017 12:00	7	5	12	37.03	37.03	-
07/05/2017 13:00	7	5	13	39.74	39.74	-
07/05/2017 14:00	7	5	14	41.71	41.71	-
07/05/2017 15:00	7	5	15	43.41	43.41	-
07/05/2017 16:00	7	5	16	46.84	46.84	-
07/05/2017 17:00	7	5	17	43.90	-	43.9

07/05/2017 18:00	7	5	18	41.37	-	41.37
07/05/2017 19:00	7	5	19	37.26	-	37.26
07/05/2017 20:00	7	5	20	35.86	-	35.86
07/05/2017 21:00	7	5	21	30.87	-	30.87
07/05/2017 22:00	7	5	22	26.14	-	26.14
07/05/2017 23:00	7	5	23	23.95	-	23.95
07/06/2017 0:00	7	6	0	21.61	-	21.61
07/06/2017 1:00	7	6	1	20.75	-	20.75
07/06/2017 2:00	7	6	2	19.99	-	19.99
07/06/2017 3:00	7	6	3	19.27	-	19.27
07/06/2017 4:00	7	6	4	19.53	-	19.53
07/06/2017 5:00	7	6	5	20.41	-	20.41
07/06/2017 6:00	7	6	6	22.13	-	22.13
07/06/2017 7:00	7	6	7	23.00	-	23
07/06/2017 8:00	7	6	8	24.50	24.5	-
07/06/2017 9:00	7	6	9	26.20	26.2	-
07/06/2017 10:00	7	6	10	30.43	30.43	-
07/06/2017 11:00	7	6	11	35.40	35.4	-
07/06/2017 12:00	7	6	12	36.83	36.83	-
07/06/2017 13:00	7	6	13	39.49	39.49	-
07/06/2017 14:00	7	6	14	41.88	41.88	-
07/06/2017 15:00	7	6	15	43.38	43.38	-
07/06/2017 16:00	7	6	16	44.41	44.41	-
07/06/2017 17:00	7	6	17	44.24	-	44.24
07/06/2017 18:00	7	6	18	37.80	-	37.8
07/06/2017 19:00	7	6	19	34.88	-	34.88
07/06/2017 20:00	7	6	20	33.44	-	33.44
07/06/2017 21:00	7	6	21	31.37	-	31.37
07/06/2017 22:00	7	6	22	25.88	-	25.88
07/06/2017 23:00	7	6	23	24.10	-	24.1
07/07/2017 0:00	7	7	0	22.08	-	22.08
07/07/2017 1:00	7	7	1	20.74	-	20.74
07/07/2017 2:00	7	7	2	19.87	-	19.87
07/07/2017 3:00	7	7	3	18.86	-	18.86
07/07/2017 4:00	7	7	4	18.97	-	18.97
07/07/2017 5:00	7	7	5	19.95	-	19.95
07/07/2017 6:00	7	7	6	21.27	-	21.27
07/07/2017 7:00	7	7	7	22.40	-	22.4
07/07/2017 8:00	7	7	8	23.50	23.5	-
07/07/2017 9:00	7	7	9	25.55	25.55	-
07/07/2017 10:00	7	7	10	28.74	28.74	-
07/07/2017 11:00	7	7	11	33.62	33.62	-
07/07/2017 12:00	7	7	12	35.35	35.35	-
07/07/2017 13:00	7	7	13	37.48	37.48	-
07/07/2017 14:00	7	7	14	38.64	38.64	-
07/07/2017 15:00	7	7	15	41.16	41.16	-
07/07/2017 16:00	7	7	16	43.11	43.11	-



07/07/2017 17:00	7	7	17		40.59	-	40.59
07/07/2017 18:00	7	7	18		35.69	-	35.69
07/07/2017 19:00	7	7	19		31.37	-	31.37
07/07/2017 20:00	7	7	20		29.64	-	29.64
07/07/2017 21:00	7	7	21		28.81	-	28.81
07/07/2017 22:00	7	7	22		25.26	-	25.26
07/07/2017 23:00	7	7	23		22.45	-	22.45
07/08/2017 0:00	7	8	0	W	22.80	-	22.8
07/08/2017 1:00	7	8	1	W	21.62	-	21.62
07/08/2017 2:00	7	8	2	W	20.55	-	20.55
07/08/2017 3:00	7	8	3	W	19.22	-	19.22
07/08/2017 4:00	7	8	4	W	19.05	-	19.05
07/08/2017 5:00	7	8	5	W	18.90	-	18.9
07/08/2017 6:00	7	8	6	W	18.61	-	18.61
07/08/2017 7:00	7	8	7	W	20.49	-	20.49
07/08/2017 8:00	7	8	8	W	22.61	-	22.61
07/08/2017 9:00	7	8	9	W	24.38	-	24.38
07/08/2017 10:00	7	8	10	W	26.70	-	26.7
07/08/2017 11:00	7	8	11	W	30.99	-	30.99
07/08/2017 12:00	7	8	12	W	32.05	-	32.05
07/08/2017 13:00	7	8	13	W	33.77	-	33.77
07/08/2017 14:00	7	8	14	W	34.67	-	34.67
07/08/2017 15:00	7	8	15	W	35.43	-	35.43
07/08/2017 16:00	7	8	16	W	38.65	-	38.65
07/08/2017 17:00	7	8	17	W	37.67	-	37.67
07/08/2017 18:00	7	8	18	W	34.30	-	34.3
07/08/2017 19:00	7	8	19	W	31.16	-	31.16
07/08/2017 20:00	7	8	20	W	28.90	-	28.9
07/08/2017 21:00	7	8	21	W	27.13	-	27.13
07/08/2017 22:00	7	8	22	W	24.46	-	24.46
07/08/2017 23:00	7	8	23	W	21.89	-	21.89
07/09/2017 0:00	7	9	0	W	20.35	-	20.35
07/09/2017 1:00	7	9	1	W	19.67	-	19.67
07/09/2017 2:00	7	9	2	W	18.97	-	18.97
07/09/2017 3:00	7	9	3	W	17.08	-	17.08
07/09/2017 4:00	7	9	4	W	15.33	-	15.33
07/09/2017 5:00	7	9	5	W	14.21	-	14.21
07/09/2017 6:00	7	9	6	W	9.91	-	9.91
07/09/2017 7:00	7	9	7	W	14.75	-	14.75
07/09/2017 8:00	7	9	8	W	20.05	-	20.05
07/09/2017 9:00	7	9	9	W	21.09	-	21.09
07/09/2017 10:00	7	9	10	W	22.33	-	22.33
07/09/2017 11:00	7	9	11	W	24.21	-	24.21
07/09/2017 12:00	7	9	12	W	25.74	-	25.74
07/09/2017 13:00	7	9	13	W	27.21	-	27.21
07/09/2017 14:00	7	9	14	W	30.05	-	30.05
07/09/2017 15:00	7	9	15	W	30.40	-	30.4



07/09/2017 16:00	7	9	16	W	33.61	-	33.61
07/09/2017 17:00	7	9	17	W	34.21	-	34.21
07/09/2017 18:00	7	9	18	W	32.39	-	32.39
07/09/2017 19:00	7	9	19	W	30.34	-	30.34
07/09/2017 20:00	7	9	20	W	27.91	-	27.91
07/09/2017 21:00	7	9	21	W	26.15	-	26.15
07/09/2017 22:00	7	9	22	W	23.58	-	23.58
07/09/2017 23:00	7	9	23	W	21.68	-	21.68
07/10/2017 0:00	7	10	0		19.56	-	19.56
07/10/2017 1:00	7	10	1		18.63	-	18.63
07/10/2017 2:00	7	10	2		17.90	-	17.9
07/10/2017 3:00	7	10	3		15.57	-	15.57
07/10/2017 4:00	7	10	4		16.54	-	16.54
07/10/2017 5:00	7	10	5		18.41	-	18.41
07/10/2017 6:00	7	10	6		19.78	-	19.78
07/10/2017 7:00	7	10	7		21.44	-	21.44
07/10/2017 8:00	7	10	8		23.01	23.01	-
07/10/2017 9:00	7	10	9		25.05	25.05	-
07/10/2017 10:00	7	10	10		28.56	28.56	-
07/10/2017 11:00	7	10	11		33.13	33.13	-
07/10/2017 12:00	7	10	12		36.26	36.26	-
07/10/2017 13:00	7	10	13		38.89	38.89	-
07/10/2017 14:00	7	10	14		42.00	42	-
07/10/2017 15:00	7	10	15		43.24	43.24	-
07/10/2017 16:00	7	10	16		46.26	46.26	-
07/10/2017 17:00	7	10	17		47.42	-	47.42
07/10/2017 18:00	7	10	18		41.54	-	41.54
07/10/2017 19:00	7	10	19		36.94	-	36.94
07/10/2017 20:00	7	10	20		36.74	-	36.74
07/10/2017 21:00	7	10	21		30.97	-	30.97
07/10/2017 22:00	7	10	22		25.71	-	25.71
07/10/2017 23:00	7	10	23		23.83	-	23.83
07/11/2017 0:00	7	11	0		21.75	-	21.75
07/11/2017 1:00	7	11	1		20.79	-	20.79
07/11/2017 2:00	7	11	2		19.88	-	19.88
07/11/2017 3:00	7	11	3		19.15	-	19.15
07/11/2017 4:00	7	11	4		19.30	-	19.3
07/11/2017 5:00	7	11	5		20.26	-	20.26
07/11/2017 6:00	7	11	6		21.76	-	21.76
07/11/2017 7:00	7	11	7		22.62	-	22.62
07/11/2017 8:00	7	11	8		24.63	24.63	-
07/11/2017 9:00	7	11	9		26.29	26.29	-
07/11/2017 10:00	7	11	10		30.20	30.2	-
07/11/2017 11:00	7	11	11		34.29	34.29	-
07/11/2017 12:00	7	11	12		37.05	37.05	-
07/11/2017 13:00	7	11	13		38.91	38.91	-
07/11/2017 14:00	7	11	14		41.82	41.82	-

07/11/2017 15:00	7	11	15	45.43	45.43	-
07/11/2017 16:00	7	11	16	51.36	51.36	-
07/11/2017 17:00	7	11	17	48.68	-	48.68
07/11/2017 18:00	7	11	18	40.73	-	40.73
07/11/2017 19:00	7	11	19	36.61	-	36.61
07/11/2017 20:00	7	11	20	35.47	-	35.47
07/11/2017 21:00	7	11	21	32.84	-	32.84
07/11/2017 22:00	7	11	22	26.77	-	26.77
07/11/2017 23:00	7	11	23	24.63	-	24.63
07/12/2017 0:00	7	12	0	23.60	-	23.6
07/12/2017 1:00	7	12	1	22.32	-	22.32
07/12/2017 2:00	7	12	2	21.32	-	21.32
07/12/2017 3:00	7	12	3	20.41	-	20.41
07/12/2017 4:00	7	12	4	20.27	-	20.27
07/12/2017 5:00	7	12	5	21.25	-	21.25
07/12/2017 6:00	7	12	6	22.83	-	22.83
07/12/2017 7:00	7	12	7	24.04	-	24.04
07/12/2017 8:00	7	12	8	25.47	25.47	-
07/12/2017 9:00	7	12	9	28.36	28.36	-
07/12/2017 10:00	7	12	10	33.68	33.68	-
07/12/2017 11:00	7	12	11	38.58	38.58	-
07/12/2017 12:00	7	12	12	42.08	42.08	-
07/12/2017 13:00	7	12	13	43.51	43.51	-
07/12/2017 14:00	7	12	14	47.47	47.47	-
07/12/2017 15:00	7	12	15	53.60	53.6	-
07/12/2017 16:00	7	12	16	62.54	62.54	-
07/12/2017 17:00	7	12	17	59.48	-	59.48
07/12/2017 18:00	7	12	18	47.70	-	47.7
07/12/2017 19:00	7	12	19	41.27	-	41.27
07/12/2017 20:00	7	12	20	39.10	-	39.1
07/12/2017 21:00	7	12	21	37.02	-	37.02
07/12/2017 22:00	7	12	22	30.00	-	30
07/12/2017 23:00	7	12	23	25.63	-	25.63
07/13/2017 0:00	7	13	0	24.45	-	24.45
07/13/2017 1:00	7	13	1	22.64	-	22.64
07/13/2017 2:00	7	13	2	21.39	-	21.39
07/13/2017 3:00	7	13	3	20.30	-	20.3
07/13/2017 4:00	7	13	4	20.14	-	20.14
07/13/2017 5:00	7	13	5	21.24	-	21.24
07/13/2017 6:00	7	13	6	22.35	-	22.35
07/13/2017 7:00	7	13	7	24.30	-	24.3
07/13/2017 8:00	7	13	8	25.93	25.93	-
07/13/2017 9:00	7	13	9	29.10	29.1	-
07/13/2017 10:00	7	13	10	35.87	35.87	-
07/13/2017 11:00	7	13	11	39.56	39.56	-
07/13/2017 12:00	7	13	12	45.93	45.93	-
07/13/2017 13:00	7	13	13	47.63	47.63	-

07/13/2017 14:00	7	13	14		50.33	50.33	-
07/13/2017 15:00	7	13	15		50.59	50.59	-
07/13/2017 16:00	7	13	16		56.90	56.9	-
07/13/2017 17:00	7	13	17		54.34	-	54.34
07/13/2017 18:00	7	13	18		45.05	-	45.05
07/13/2017 19:00	7	13	19		40.07	-	40.07
07/13/2017 20:00	7	13	20		37.60	-	37.6
07/13/2017 21:00	7	13	21		34.44	-	34.44
07/13/2017 22:00	7	13	22		29.51	-	29.51
07/13/2017 23:00	7	13	23		25.19	-	25.19
07/14/2017 0:00	7	14	0		23.71	-	23.71
07/14/2017 1:00	7	14	1		22.26	-	22.26
07/14/2017 2:00	7	14	2		21.22	-	21.22
07/14/2017 3:00	7	14	3		20.35	-	20.35
07/14/2017 4:00	7	14	4		20.23	-	20.23
07/14/2017 5:00	7	14	5		21.08	-	21.08
07/14/2017 6:00	7	14	6		22.17	-	22.17
07/14/2017 7:00	7	14	7		24.20	-	24.2
07/14/2017 8:00	7	14	8		25.80	25.8	-
07/14/2017 9:00	7	14	9		27.73	27.73	-
07/14/2017 10:00	7	14	10		31.95	31.95	-
07/14/2017 11:00	7	14	11		35.28	35.28	-
07/14/2017 12:00	7	14	12		36.20	36.2	-
07/14/2017 13:00	7	14	13		38.28	38.28	-
07/14/2017 14:00	7	14	14		39.23	39.23	-
07/14/2017 15:00	7	14	15		40.66	40.66	-
07/14/2017 16:00	7	14	16		42.00	42	-
07/14/2017 17:00	7	14	17		40.73	-	40.73
07/14/2017 18:00	7	14	18		35.50	-	35.5
07/14/2017 19:00	7	14	19		33.15	-	33.15
07/14/2017 20:00	7	14	20		30.28	-	30.28
07/14/2017 21:00	7	14	21		28.37	-	28.37
07/14/2017 22:00	7	14	22		25.18	-	25.18
07/14/2017 23:00	7	14	23		22.60	-	22.6
07/15/2017 0:00	7	15	0	W	21.14	-	21.14
07/15/2017 1:00	7	15	1	W	20.35	-	20.35
07/15/2017 2:00	7	15	2	W	19.59	-	19.59
07/15/2017 3:00	7	15	3	W	18.65	-	18.65
07/15/2017 4:00	7	15	4	W	18.33	-	18.33
07/15/2017 5:00	7	15	5	W	18.31	-	18.31
07/15/2017 6:00	7	15	6	W	17.90	-	17.9
07/15/2017 7:00	7	15	7	W	19.62	-	19.62
07/15/2017 8:00	7	15	8	W	21.11	-	21.11
07/15/2017 9:00	7	15	9	W	22.63	-	22.63
07/15/2017 10:00	7	15	10	W	24.44	-	24.44
07/15/2017 11:00	7	15	11	W	27.09	-	27.09
07/15/2017 12:00	7	15	12	W	28.44	-	28.44

07/15/2017 13:00	7	15	13	W	29.65	-	29.65
07/15/2017 14:00	7	15	14	W	31.39	-	31.39
07/15/2017 15:00	7	15	15	W	32.27	-	32.27
07/15/2017 16:00	7	15	16	W	33.90	-	33.9
07/15/2017 17:00	7	15	17	W	34.08	-	34.08
07/15/2017 18:00	7	15	18	W	31.97	-	31.97
07/15/2017 19:00	7	15	19	W	30.02	-	30.02
07/15/2017 20:00	7	15	20	W	27.71	-	27.71
07/15/2017 21:00	7	15	21	W	26.36	-	26.36
07/15/2017 22:00	7	15	22	W	23.72	-	23.72
07/15/2017 23:00	7	15	23	W	21.60	-	21.6
07/16/2017 0:00	7	16	0	W	19.67	-	19.67
07/16/2017 1:00	7	16	1	W	19.31	-	19.31
07/16/2017 2:00	7	16	2	W	17.30	-	17.3
07/16/2017 3:00	7	16	3	W	16.72	-	16.72
07/16/2017 4:00	7	16	4	W	16.77	-	16.77
07/16/2017 5:00	7	16	5	W	15.95	-	15.95
07/16/2017 6:00	7	16	6	W	14.87	-	14.87
07/16/2017 7:00	7	16	7	W	16.35	-	16.35
07/16/2017 8:00	7	16	8	W	19.51	-	19.51
07/16/2017 9:00	7	16	9	W	21.42	-	21.42
07/16/2017 10:00	7	16	10	W	23.36	-	23.36
07/16/2017 11:00	7	16	11	W	25.27	-	25.27
07/16/2017 12:00	7	16	12	W	27.25	-	27.25
07/16/2017 13:00	7	16	13	W	28.43	-	28.43
07/16/2017 14:00	7	16	14	W	30.71	-	30.71
07/16/2017 15:00	7	16	15	W	32.36	-	32.36
07/16/2017 16:00	7	16	16	W	33.06	-	33.06
07/16/2017 17:00	7	16	17	W	35.26	-	35.26
07/16/2017 18:00	7	16	18	W	33.14	-	33.14
07/16/2017 19:00	7	16	19	W	31.70	-	31.7
07/16/2017 20:00	7	16	20	W	29.51	-	29.51
07/16/2017 21:00	7	16	21	W	27.86	-	27.86
07/16/2017 22:00	7	16	22	W	24.61	-	24.61
07/16/2017 23:00	7	16	23	W	22.17	-	22.17
07/17/2017 0:00	7	17	0		20.38	-	20.38
07/17/2017 1:00	7	17	1		19.56	-	19.56
07/17/2017 2:00	7	17	2		19.28	-	19.28
07/17/2017 3:00	7	17	3		18.50	-	18.5
07/17/2017 4:00	7	17	4		18.89	-	18.89
07/17/2017 5:00	7	17	5		19.32	-	19.32
07/17/2017 6:00	7	17	6		21.42	-	21.42
07/17/2017 7:00	7	17	7		22.78	-	22.78
07/17/2017 8:00	7	17	8		24.03	24.03	-
07/17/2017 9:00	7	17	9		26.64	26.64	-
07/17/2017 10:00	7	17	10		29.93	29.93	-
07/17/2017 11:00	7	17	11		33.70	33.7	-

07/17/2017 12:00	7	17	12	36.15	36.15	-
07/17/2017 13:00	7	17	13	37.77	37.77	-
07/17/2017 14:00	7	17	14	42.17	42.17	-
07/17/2017 15:00	7	17	15	42.69	42.69	-
07/17/2017 16:00	7	17	16	43.25	43.25	-
07/17/2017 17:00	7	17	17	42.06	-	42.06
07/17/2017 18:00	7	17	18	36.63	-	36.63
07/17/2017 19:00	7	17	19	35.34	-	35.34
07/17/2017 20:00	7	17	20	32.98	-	32.98
07/17/2017 21:00	7	17	21	29.73	-	29.73
07/17/2017 22:00	7	17	22	25.69	-	25.69
07/17/2017 23:00	7	17	23	23.18	-	23.18
07/18/2017 0:00	7	18	0	21.96	-	21.96
07/18/2017 1:00	7	18	1	20.86	-	20.86
07/18/2017 2:00	7	18	2	19.76	-	19.76
07/18/2017 3:00	7	18	3	18.99	-	18.99
07/18/2017 4:00	7	18	4	18.94	-	18.94
07/18/2017 5:00	7	18	5	20.20	-	20.2
07/18/2017 6:00	7	18	6	21.81	-	21.81
07/18/2017 7:00	7	18	7	22.43	-	22.43
07/18/2017 8:00	7	18	8	24.58	24.58	-
07/18/2017 9:00	7	18	9	27.19	27.19	-
07/18/2017 10:00	7	18	10	31.39	31.39	-
07/18/2017 11:00	7	18	11	35.92	35.92	-
07/18/2017 12:00	7	18	12	39.72	39.72	-
07/18/2017 13:00	7	18	13	41.30	41.3	-
07/18/2017 14:00	7	18	14	42.54	42.54	-
07/18/2017 15:00	7	18	15	48.71	48.71	-
07/18/2017 16:00	7	18	16	54.52	54.52	-
07/18/2017 17:00	7	18	17	52.56	-	52.56
07/18/2017 18:00	7	18	18	44.94	-	44.94
07/18/2017 19:00	7	18	19	41.46	-	41.46
07/18/2017 20:00	7	18	20	39.24	-	39.24
07/18/2017 21:00	7	18	21	35.48	-	35.48
07/18/2017 22:00	7	18	22	29.21	-	29.21
07/18/2017 23:00	7	18	23	25.49	-	25.49
07/19/2017 0:00	7	19	0	23.39	-	23.39
07/19/2017 1:00	7	19	1	22.59	-	22.59
07/19/2017 2:00	7	19	2	21.55	-	21.55
07/19/2017 3:00	7	19	3	20.60	-	20.6
07/19/2017 4:00	7	19	4	20.84	-	20.84
07/19/2017 5:00	7	19	5	21.83	-	21.83
07/19/2017 6:00	7	19	6	22.77	-	22.77
07/19/2017 7:00	7	19	7	24.29	-	24.29
07/19/2017 8:00	7	19	8	26.36	26.36	-
07/19/2017 9:00	7	19	9	30.43	30.43	-
07/19/2017 10:00	7	19	10	34.28	34.28	-

07/19/2017 11:00	7	19	11	41.08	41.08	-
07/19/2017 12:00	7	19	12	43.76	43.76	-
07/19/2017 13:00	7	19	13	45.78	45.78	-
07/19/2017 14:00	7	19	14	48.66	48.66	-
07/19/2017 15:00	7	19	15	51.98	51.98	-
07/19/2017 16:00	7	19	16	59.89	59.89	-
07/19/2017 17:00	7	19	17	57.89	-	57.89
07/19/2017 18:00	7	19	18	49.88	-	49.88
07/19/2017 19:00	7	19	19	45.07	-	45.07
07/19/2017 20:00	7	19	20	42.40	-	42.4
07/19/2017 21:00	7	19	21	38.41	-	38.41
07/19/2017 22:00	7	19	22	31.68	-	31.68
07/19/2017 23:00	7	19	23	27.84	-	27.84
07/20/2017 0:00	7	20	0	26.06	-	26.06
07/20/2017 1:00	7	20	1	24.13	-	24.13
07/20/2017 2:00	7	20	2	22.84	-	22.84
07/20/2017 3:00	7	20	3	22.03	-	22.03
07/20/2017 4:00	7	20	4	21.98	-	21.98
07/20/2017 5:00	7	20	5	22.91	-	22.91
07/20/2017 6:00	7	20	6	24.37	-	24.37
07/20/2017 7:00	7	20	7	26.74	-	26.74
07/20/2017 8:00	7	20	8	31.03	31.03	-
07/20/2017 9:00	7	20	9	36.24	36.24	-
07/20/2017 10:00	7	20	10	46.20	46.2	-
07/20/2017 11:00	7	20	11	49.62	49.62	-
07/20/2017 12:00	7	20	12	53.17	53.17	-
07/20/2017 13:00	7	20	13	65.38	65.38	-
07/20/2017 14:00	7	20	14	75.16	75.16	-
07/20/2017 15:00	7	20	15	90.92	90.92	-
07/20/2017 16:00	7	20	16	105.94	105.94	-
07/20/2017 17:00	7	20	17	111.56	-	111.56
07/20/2017 18:00	7	20	18	80.08	-	80.08
07/20/2017 19:00	7	20	19	57.85	-	57.85
07/20/2017 20:00	7	20	20	51.55	-	51.55
07/20/2017 21:00	7	20	21	48.01	-	48.01
07/20/2017 22:00	7	20	22	36.95	-	36.95
07/20/2017 23:00	7	20	23	31.33	-	31.33
07/21/2017 0:00	7	21	0	26.78	-	26.78
07/21/2017 1:00	7	21	1	24.85	-	24.85
07/21/2017 2:00	7	21	2	23.29	-	23.29
07/21/2017 3:00	7	21	3	22.34	-	22.34
07/21/2017 4:00	7	21	4	22.14	-	22.14
07/21/2017 5:00	7	21	5	23.04	-	23.04
07/21/2017 6:00	7	21	6	24.94	-	24.94
07/21/2017 7:00	7	21	7	26.31	-	26.31
07/21/2017 8:00	7	21	8	30.47	30.47	-
07/21/2017 9:00	7	21	9	34.15	34.15	-

07/21/2017 10:00	7	21	10		41.81	41.81	-
07/21/2017 11:00	7	21	11		47.85	47.85	-
07/21/2017 12:00	7	21	12		49.06	49.06	-
07/21/2017 13:00	7	21	13		53.64	53.64	-
07/21/2017 14:00	7	21	14		60.69	60.69	-
07/21/2017 15:00	7	21	15		69.28	69.28	-
07/21/2017 16:00	7	21	16		82.40	82.4	-
07/21/2017 17:00	7	21	17		69.59	-	69.59
07/21/2017 18:00	7	21	18		56.90	-	56.9
07/21/2017 19:00	7	21	19		48.10	-	48.1
07/21/2017 20:00	7	21	20		44.48	-	44.48
07/21/2017 21:00	7	21	21		42.00	-	42
07/21/2017 22:00	7	21	22		34.27	-	34.27
07/21/2017 23:00	7	21	23		30.00	-	30
07/22/2017 0:00	7	22	0	W	25.60	-	25.6
07/22/2017 1:00	7	22	1	W	24.03	-	24.03
07/22/2017 2:00	7	22	2	W	23.29	-	23.29
07/22/2017 3:00	7	22	3	W	22.22	-	22.22
07/22/2017 4:00	7	22	4	W	21.28	-	21.28
07/22/2017 5:00	7	22	5	W	21.01	-	21.01
07/22/2017 6:00	7	22	6	W	20.92	-	20.92
07/22/2017 7:00	7	22	7	W	22.54	-	22.54
07/22/2017 8:00	7	22	8	W	24.96	-	24.96
07/22/2017 9:00	7	22	9	W	28.12	-	28.12
07/22/2017 10:00	7	22	10	W	34.08	-	34.08
07/22/2017 11:00	7	22	11	W	40.23	-	40.23
07/22/2017 12:00	7	22	12	W	43.05	-	43.05
07/22/2017 13:00	7	22	13	W	45.24	-	45.24
07/22/2017 14:00	7	22	14	W	48.79	-	48.79
07/22/2017 15:00	7	22	15	W	52.35	-	52.35
07/22/2017 16:00	7	22	16	W	52.65	-	52.65
07/22/2017 17:00	7	22	17	W	51.05	-	51.05
07/22/2017 18:00	7	22	18	W	45.13	-	45.13
07/22/2017 19:00	7	22	19	W	40.88	-	40.88
07/22/2017 20:00	7	22	20	W	35.36	-	35.36
07/22/2017 21:00	7	22	21	W	35.27	-	35.27
07/22/2017 22:00	7	22	22	W	29.77	-	29.77
07/22/2017 23:00	7	22	23	W	26.32	-	26.32
07/23/2017 0:00	7	23	0	W	24.91	-	24.91
07/23/2017 1:00	7	23	1	W	23.64	-	23.64
07/23/2017 2:00	7	23	2	W	22.87	-	22.87
07/23/2017 3:00	7	23	3	W	22.01	-	22.01
07/23/2017 4:00	7	23	4	W	21.03	-	21.03
07/23/2017 5:00	7	23	5	W	20.54	-	20.54
07/23/2017 6:00	7	23	6	W	20.22	-	20.22
07/23/2017 7:00	7	23	7	W	21.19	-	21.19
07/23/2017 8:00	7	23	8	W	23.58	-	23.58

07/23/2017 9:00	7	23	9	W	25.20	-	25.2
07/23/2017 10:00	7	23	10	W	29.16	-	29.16
07/23/2017 11:00	7	23	11	W	34.66	-	34.66
07/23/2017 12:00	7	23	12	W	37.65	-	37.65
07/23/2017 13:00	7	23	13	W	38.77	-	38.77
07/23/2017 14:00	7	23	14	W	42.37	-	42.37
07/23/2017 15:00	7	23	15	W	44.48	-	44.48
07/23/2017 16:00	7	23	16	W	47.03	-	47.03
07/23/2017 17:00	7	23	17	W	46.86	-	46.86
07/23/2017 18:00	7	23	18	W	42.73	-	42.73
07/23/2017 19:00	7	23	19	W	39.16	-	39.16
07/23/2017 20:00	7	23	20	W	38.16	-	38.16
07/23/2017 21:00	7	23	21	W	35.49	-	35.49
07/23/2017 22:00	7	23	22	W	29.42	-	29.42
07/23/2017 23:00	7	23	23	W	25.96	-	25.96
07/24/2017 0:00	7	24	0		23.80	-	23.8
07/24/2017 1:00	7	24	1		22.69	-	22.69
07/24/2017 2:00	7	24	2		21.32	-	21.32
07/24/2017 3:00	7	24	3		20.28	-	20.28
07/24/2017 4:00	7	24	4		20.36	-	20.36
07/24/2017 5:00	7	24	5		21.78	-	21.78
07/24/2017 6:00	7	24	6		23.76	-	23.76
07/24/2017 7:00	7	24	7		24.60	-	24.6
07/24/2017 8:00	7	24	8		26.47	26.47	-
07/24/2017 9:00	7	24	9		28.53	28.53	-
07/24/2017 10:00	7	24	10		32.22	32.22	-
07/24/2017 11:00	7	24	11		37.24	37.24	-
07/24/2017 12:00	7	24	12		38.67	38.67	-
07/24/2017 13:00	7	24	13		42.43	42.43	-
07/24/2017 14:00	7	24	14		46.73	46.73	-
07/24/2017 15:00	7	24	15		49.09	49.09	-
07/24/2017 16:00	7	24	16		50.41	50.41	-
07/24/2017 17:00	7	24	17		48.39	-	48.39
07/24/2017 18:00	7	24	18		42.57	-	42.57
07/24/2017 19:00	7	24	19		37.89	-	37.89
07/24/2017 20:00	7	24	20		36.46	-	36.46
07/24/2017 21:00	7	24	21		33.72	-	33.72
07/24/2017 22:00	7	24	22		27.10	-	27.1
07/24/2017 23:00	7	24	23		23.83	-	23.83
07/25/2017 0:00	7	25	0		20.82	-	20.82
07/25/2017 1:00	7	25	1		19.94	-	19.94
07/25/2017 2:00	7	25	2		19.15	-	19.15
07/25/2017 3:00	7	25	3		18.42	-	18.42
07/25/2017 4:00	7	25	4		18.58	-	18.58
07/25/2017 5:00	7	25	5		20.30	-	20.3
07/25/2017 6:00	7	25	6		21.46	-	21.46
07/25/2017 7:00	7	25	7		22.17	-	22.17



07/25/2017 8:00	7	25	8	23.59	23.59	-
07/25/2017 9:00	7	25	9	24.98	24.98	-
07/25/2017 10:00	7	25	10	27.53	27.53	-
07/25/2017 11:00	7	25	11	29.72	29.72	-
07/25/2017 12:00	7	25	12	31.27	31.27	-
07/25/2017 13:00	7	25	13	34.97	34.97	-
07/25/2017 14:00	7	25	14	35.07	35.07	-
07/25/2017 15:00	7	25	15	41.62	41.62	-
07/25/2017 16:00	7	25	16	43.11	43.11	-
07/25/2017 17:00	7	25	17	44.98	-	44.98
07/25/2017 18:00	7	25	18	35.91	-	35.91
07/25/2017 19:00	7	25	19	34.30	-	34.3
07/25/2017 20:00	7	25	20	32.28	-	32.28
07/25/2017 21:00	7	25	21	28.40	-	28.4
07/25/2017 22:00	7	25	22	24.51	-	24.51
07/25/2017 23:00	7	25	23	22.27	-	22.27
07/26/2017 0:00	7	26	0	19.93	-	19.93
07/26/2017 1:00	7	26	1	18.11	-	18.11
07/26/2017 2:00	7	26	2	17.53	-	17.53
07/26/2017 3:00	7	26	3	16.29	-	16.29
07/26/2017 4:00	7	26	4	16.83	-	16.83
07/26/2017 5:00	7	26	5	18.87	-	18.87
07/26/2017 6:00	7	26	6	20.65	-	20.65
07/26/2017 7:00	7	26	7	21.77	-	21.77
07/26/2017 8:00	7	26	8	22.74	22.74	-
07/26/2017 9:00	7	26	9	24.53	24.53	-
07/26/2017 10:00	7	26	10	27.06	27.06	-
07/26/2017 11:00	7	26	11	33.69	33.69	-
07/26/2017 12:00	7	26	12	36.68	36.68	-
07/26/2017 13:00	7	26	13	39.47	39.47	-
07/26/2017 14:00	7	26	14	44.40	44.4	-
07/26/2017 15:00	7	26	15	47.42	47.42	-
07/26/2017 16:00	7	26	16	51.59	51.59	-
07/26/2017 17:00	7	26	17	51.06	-	51.06
07/26/2017 18:00	7	26	18	46.39	-	46.39
07/26/2017 19:00	7	26	19	39.31	-	39.31
07/26/2017 20:00	7	26	20	38.68	-	38.68
07/26/2017 21:00	7	26	21	34.81	-	34.81
07/26/2017 22:00	7	26	22	27.11	-	27.11
07/26/2017 23:00	7	26	23	24.47	-	24.47
07/27/2017 0:00	7	27	0	21.82	-	21.82
07/27/2017 1:00	7	27	1	20.43	-	20.43
07/27/2017 2:00	7	27	2	19.70	-	19.7
07/27/2017 3:00	7	27	3	18.90	-	18.9
07/27/2017 4:00	7	27	4	19.20	-	19.2
07/27/2017 5:00	7	27	5	20.59	-	20.59
07/27/2017 6:00	7	27	6	21.68	-	21.68

07/27/2017 7:00	7	27	7		23.09	-	23.09
07/27/2017 8:00	7	27	8		24.41	24.41	-
07/27/2017 9:00	7	27	9		26.94	26.94	-
07/27/2017 10:00	7	27	10		31.12	31.12	-
07/27/2017 11:00	7	27	11		35.88	35.88	-
07/27/2017 12:00	7	27	12		37.95	37.95	-
07/27/2017 13:00	7	27	13		40.88	40.88	-
07/27/2017 14:00	7	27	14		43.93	43.93	-
07/27/2017 15:00	7	27	15		45.54	45.54	-
07/27/2017 16:00	7	27	16		49.23	49.23	-
07/27/2017 17:00	7	27	17		46.57	-	46.57
07/27/2017 18:00	7	27	18		40.00	-	40
07/27/2017 19:00	7	27	19		36.79	-	36.79
07/27/2017 20:00	7	27	20		36.44	-	36.44
07/27/2017 21:00	7	27	21		33.80	-	33.8
07/27/2017 22:00	7	27	22		26.85	-	26.85
07/27/2017 23:00	7	27	23		24.03	-	24.03
07/28/2017 0:00	7	28	0		22.70	-	22.7
07/28/2017 1:00	7	28	1		21.73	-	21.73
07/28/2017 2:00	7	28	2		20.44	-	20.44
07/28/2017 3:00	7	28	3		19.75	-	19.75
07/28/2017 4:00	7	28	4		19.80	-	19.8
07/28/2017 5:00	7	28	5		21.45	-	21.45
07/28/2017 6:00	7	28	6		23.15	-	23.15
07/28/2017 7:00	7	28	7		24.13	-	24.13
07/28/2017 8:00	7	28	8		24.80	24.8	-
07/28/2017 9:00	7	28	9		27.62	27.62	-
07/28/2017 10:00	7	28	10		32.17	32.17	-
07/28/2017 11:00	7	28	11		34.67	34.67	-
07/28/2017 12:00	7	28	12		35.16	35.16	-
07/28/2017 13:00	7	28	13		36.49	36.49	-
07/28/2017 14:00	7	28	14		36.16	36.16	-
07/28/2017 15:00	7	28	15		36.90	36.9	-
07/28/2017 16:00	7	28	16		37.07	37.07	-
07/28/2017 17:00	7	28	17		35.54	-	35.54
07/28/2017 18:00	7	28	18		32.55	-	32.55
07/28/2017 19:00	7	28	19		29.75	-	29.75
07/28/2017 20:00	7	28	20		27.75	-	27.75
07/28/2017 21:00	7	28	21		26.80	-	26.8
07/28/2017 22:00	7	28	22		24.08	-	24.08
07/28/2017 23:00	7	28	23		21.95	-	21.95
07/29/2017 0:00	7	29	0	W	20.89	-	20.89
07/29/2017 1:00	7	29	1	W	19.17	-	19.17
07/29/2017 2:00	7	29	2	W	18.19	-	18.19
07/29/2017 3:00	7	29	3	W	16.73	-	16.73
07/29/2017 4:00	7	29	4	W	16.60	-	16.6
07/29/2017 5:00	7	29	5	W	16.55	-	16.55

07/29/2017 6:00	7	29	6	W	16.53	-	16.53
07/29/2017 7:00	7	29	7	W	18.31	-	18.31
07/29/2017 8:00	7	29	8	W	20.65	-	20.65
07/29/2017 9:00	7	29	9	W	21.80	-	21.8
07/29/2017 10:00	7	29	10	W	23.58	-	23.58
07/29/2017 11:00	7	29	11	W	25.06	-	25.06
07/29/2017 12:00	7	29	12	W	25.29	-	25.29
07/29/2017 13:00	7	29	13	W	25.93	-	25.93
07/29/2017 14:00	7	29	14	W	26.71	-	26.71
07/29/2017 15:00	7	29	15	W	26.66	-	26.66
07/29/2017 16:00	7	29	16	W	26.80	-	26.8
07/29/2017 17:00	7	29	17	W	26.79	-	26.79
07/29/2017 18:00	7	29	18	W	26.85	-	26.85
07/29/2017 19:00	7	29	19	W	26.61	-	26.61
07/29/2017 20:00	7	29	20	W	25.20	-	25.2
07/29/2017 21:00	7	29	21	W	24.14	-	24.14
07/29/2017 22:00	7	29	22	W	22.16	-	22.16
07/29/2017 23:00	7	29	23	W	19.32	-	19.32
07/30/2017 0:00	7	30	0	W	18.52	-	18.52
07/30/2017 1:00	7	30	1	W	18.56	-	18.56
07/30/2017 2:00	7	30	2	W	17.68	-	17.68
07/30/2017 3:00	7	30	3	W	15.32	-	15.32
07/30/2017 4:00	7	30	4	W	14.32	-	14.32
07/30/2017 5:00	7	30	5	W	14.37	-	14.37
07/30/2017 6:00	7	30	6	W	12.39	-	12.39
07/30/2017 7:00	7	30	7	W	16.06	-	16.06
07/30/2017 8:00	7	30	8	W	17.90	-	17.9
07/30/2017 9:00	7	30	9	W	20.60	-	20.6
07/30/2017 10:00	7	30	10	W	22.41	-	22.41
07/30/2017 11:00	7	30	11	W	24.16	-	24.16
07/30/2017 12:00	7	30	12	W	26.13	-	26.13
07/30/2017 13:00	7	30	13	W	28.63	-	28.63
07/30/2017 14:00	7	30	14	W	31.81	-	31.81
07/30/2017 15:00	7	30	15	W	32.74	-	32.74
07/30/2017 16:00	7	30	16	W	35.74	-	35.74
07/30/2017 17:00	7	30	17	W	38.01	-	38.01
07/30/2017 18:00	7	30	18	W	35.63	-	35.63
07/30/2017 19:00	7	30	19	W	32.83	-	32.83
07/30/2017 20:00	7	30	20	W	31.29	-	31.29
07/30/2017 21:00	7	30	21	W	28.27	-	28.27
07/30/2017 22:00	7	30	22	W	24.81	-	24.81
07/30/2017 23:00	7	30	23	W	22.02	-	22.02
07/31/2017 0:00	7	31	0		20.35	-	20.35
07/31/2017 1:00	7	31	1		19.62	-	19.62
07/31/2017 2:00	7	31	2		19.22	-	19.22
07/31/2017 3:00	7	31	3		18.35	-	18.35
07/31/2017 4:00	7	31	4		19.03	-	19.03

07/31/2017 5:00	7	31	5	19.82	-	19.82
07/31/2017 6:00	7	31	6	21.62	-	21.62
07/31/2017 7:00	7	31	7	23.03	-	23.03
07/31/2017 8:00	7	31	8	24.64	24.64	-
07/31/2017 9:00	7	31	9	27.22	27.22	-
07/31/2017 10:00	7	31	10	31.56	31.56	-
07/31/2017 11:00	7	31	11	35.56	35.56	-
07/31/2017 12:00	7	31	12	42.66	42.66	-
07/31/2017 13:00	7	31	13	44.28	44.28	-
07/31/2017 14:00	7	31	14	45.89	45.89	-
07/31/2017 15:00	7	31	15	48.11	48.11	-
07/31/2017 16:00	7	31	16	51.97	51.97	-
07/31/2017 17:00	7	31	17	52.55	-	52.55
07/31/2017 18:00	7	31	18	47.83	-	47.83
07/31/2017 19:00	7	31	19	41.62	-	41.62
07/31/2017 20:00	7	31	20	40.05	-	40.05
07/31/2017 21:00	7	31	21	35.90	-	35.9
07/31/2017 22:00	7	31	22	27.61	-	27.61
07/31/2017 23:00	7	31	23	24.72	-	24.72
08/01/2017 0:00	8	1	0	26.01	-	26.01
08/01/2017 1:00	8	1	1	21.25	-	21.25
08/01/2017 2:00	8	1	2	20.10	-	20.1
08/01/2017 3:00	8	1	3	19.23	-	19.23
08/01/2017 4:00	8	1	4	19.21	-	19.21
08/01/2017 5:00	8	1	5	20.58	-	20.58
08/01/2017 6:00	8	1	6	22.29	-	22.29
08/01/2017 7:00	8	1	7	23.71	-	23.71
08/01/2017 8:00	8	1	8	26.02	26.02	-
08/01/2017 9:00	8	1	9	28.04	28.04	-
08/01/2017 10:00	8	1	10	33.54	33.54	-
08/01/2017 11:00	8	1	11	37.20	37.2	-
08/01/2017 12:00	8	1	12	40.14	40.14	-
08/01/2017 13:00	8	1	13	45.22	45.22	-
08/01/2017 14:00	8	1	14	47.48	47.48	-
08/01/2017 15:00	8	1	15	50.23	50.23	-
08/01/2017 16:00	8	1	16	54.60	54.6	-
08/01/2017 17:00	8	1	17	51.85	-	51.85
08/01/2017 18:00	8	1	18	46.70	-	46.7
08/01/2017 19:00	8	1	19	40.76	-	40.76
08/01/2017 20:00	8	1	20	40.51	-	40.51
08/01/2017 21:00	8	1	21	37.77	-	37.77
08/01/2017 22:00	8	1	22	29.28	-	29.28
08/01/2017 23:00	8	1	23	25.71	-	25.71
08/02/2017 0:00	8	2	0	23.42	-	23.42
08/02/2017 1:00	8	2	1	21.92	-	21.92
08/02/2017 2:00	8	2	2	20.43	-	20.43
08/02/2017 3:00	8	2	3	19.32	-	19.32

08/02/2017 4:00	8	2	4	19.32	-	19.32
08/02/2017 5:00	8	2	5	20.74	-	20.74
08/02/2017 6:00	8	2	6	22.20	-	22.2
08/02/2017 7:00	8	2	7	23.53	-	23.53
08/02/2017 8:00	8	2	8	25.21	25.21	-
08/02/2017 9:00	8	2	9	27.54	27.54	-
08/02/2017 10:00	8	2	10	31.52	31.52	-
08/02/2017 11:00	8	2	11	35.83	35.83	-
08/02/2017 12:00	8	2	12	37.67	37.67	-
08/02/2017 13:00	8	2	13	44.73	44.73	-
08/02/2017 14:00	8	2	14	45.83	45.83	-
08/02/2017 15:00	8	2	15	47.29	47.29	-
08/02/2017 16:00	8	2	16	50.91	50.91	-
08/02/2017 17:00	8	2	17	45.09	-	45.09
08/02/2017 18:00	8	2	18	39.51	-	39.51
08/02/2017 19:00	8	2	19	37.11	-	37.11
08/02/2017 20:00	8	2	20	37.53	-	37.53
08/02/2017 21:00	8	2	21	33.15	-	33.15
08/02/2017 22:00	8	2	22	27.11	-	27.11
08/02/2017 23:00	8	2	23	24.37	-	24.37
08/03/2017 0:00	8	3	0	22.41	-	22.41
08/03/2017 1:00	8	3	1	20.67	-	20.67
08/03/2017 2:00	8	3	2	19.40	-	19.4
08/03/2017 3:00	8	3	3	18.60	-	18.6
08/03/2017 4:00	8	3	4	18.81	-	18.81
08/03/2017 5:00	8	3	5	19.89	-	19.89
08/03/2017 6:00	8	3	6	21.67	-	21.67
08/03/2017 7:00	8	3	7	22.73	-	22.73
08/03/2017 8:00	8	3	8	24.01	24.01	-
08/03/2017 9:00	8	3	9	26.38	26.38	-
08/03/2017 10:00	8	3	10	29.88	29.88	-
08/03/2017 11:00	8	3	11	33.79	33.79	-
08/03/2017 12:00	8	3	12	35.27	35.27	-
08/03/2017 13:00	8	3	13	40.54	40.54	-
08/03/2017 14:00	8	3	14	42.98	42.98	-
08/03/2017 15:00	8	3	15	42.51	42.51	-
08/03/2017 16:00	8	3	16	45.21	45.21	-
08/03/2017 17:00	8	3	17	39.91	-	39.91
08/03/2017 18:00	8	3	18	35.31	-	35.31
08/03/2017 19:00	8	3	19	33.52	-	33.52
08/03/2017 20:00	8	3	20	32.93	-	32.93
08/03/2017 21:00	8	3	21	29.51	-	29.51
08/03/2017 22:00	8	3	22	25.35	-	25.35
08/03/2017 23:00	8	3	23	23.07	-	23.07
08/04/2017 0:00	8	4	0	21.71	-	21.71
08/04/2017 1:00	8	4	1	20.52	-	20.52
08/04/2017 2:00	8	4	2	18.50	-	18.5

08/04/2017 3:00	8	4	3		17.01	-	17.01
08/04/2017 4:00	8	4	4		17.56	-	17.56
08/04/2017 5:00	8	4	5		19.36	-	19.36
08/04/2017 6:00	8	4	6		21.43	-	21.43
08/04/2017 7:00	8	4	7		22.25	-	22.25
08/04/2017 8:00	8	4	8		23.47	23.47	-
08/04/2017 9:00	8	4	9		26.28	26.28	-
08/04/2017 10:00	8	4	10		29.72	29.72	-
08/04/2017 11:00	8	4	11		31.93	31.93	-
08/04/2017 12:00	8	4	12		32.91	32.91	-
08/04/2017 13:00	8	4	13		33.72	33.72	-
08/04/2017 14:00	8	4	14		35.61	35.61	-
08/04/2017 15:00	8	4	15		35.66	35.66	-
08/04/2017 16:00	8	4	16		34.95	34.95	-
08/04/2017 17:00	8	4	17		32.45	-	32.45
08/04/2017 18:00	8	4	18		30.75	-	30.75
08/04/2017 19:00	8	4	19		28.38	-	28.38
08/04/2017 20:00	8	4	20		26.85	-	26.85
08/04/2017 21:00	8	4	21		24.98	-	24.98
08/04/2017 22:00	8	4	22		23.15	-	23.15
08/04/2017 23:00	8	4	23		20.91	-	20.91
08/05/2017 0:00	8	5	0	W	19.06	-	19.06
08/05/2017 1:00	8	5	1	W	19.21	-	19.21
08/05/2017 2:00	8	5	2	W	17.81	-	17.81
08/05/2017 3:00	8	5	3	W	15.95	-	15.95
08/05/2017 4:00	8	5	4	W	15.80	-	15.8
08/05/2017 5:00	8	5	5	W	16.19	-	16.19
08/05/2017 6:00	8	5	6	W	16.81	-	16.81
08/05/2017 7:00	8	5	7	W	18.14	-	18.14
08/05/2017 8:00	8	5	8	W	19.90	-	19.9
08/05/2017 9:00	8	5	9	W	21.99	-	21.99
08/05/2017 10:00	8	5	10	W	23.19	-	23.19
08/05/2017 11:00	8	5	11	W	24.38	-	24.38
08/05/2017 12:00	8	5	12	W	25.51	-	25.51
08/05/2017 13:00	8	5	13	W	26.67	-	26.67
08/05/2017 14:00	8	5	14	W	28.17	-	28.17
08/05/2017 15:00	8	5	15	W	28.17	-	28.17
08/05/2017 16:00	8	5	16	W	29.08	-	29.08
08/05/2017 17:00	8	5	17	W	28.99	-	28.99
08/05/2017 18:00	8	5	18	W	28.17	-	28.17
08/05/2017 19:00	8	5	19	W	26.27	-	26.27
08/05/2017 20:00	8	5	20	W	25.47	-	25.47
08/05/2017 21:00	8	5	21	W	24.35	-	24.35
08/05/2017 22:00	8	5	22	W	22.04	-	22.04
08/05/2017 23:00	8	5	23	W	19.86	-	19.86
08/06/2017 0:00	8	6	0	W	19.02	-	19.02
08/06/2017 1:00	8	6	1	W	18.57	-	18.57

08/06/2017 2:00	8	6	2	W	17.11	-	17.11
08/06/2017 3:00	8	6	3	W	14.83	-	14.83
08/06/2017 4:00	8	6	4	W	13.56	-	13.56
08/06/2017 5:00	8	6	5	W	13.57	-	13.57
08/06/2017 6:00	8	6	6	W	11.67	-	11.67
08/06/2017 7:00	8	6	7	W	14.59	-	14.59
08/06/2017 8:00	8	6	8	W	18.56	-	18.56
08/06/2017 9:00	8	6	9	W	20.00	-	20
08/06/2017 10:00	8	6	10	W	21.28	-	21.28
08/06/2017 11:00	8	6	11	W	23.44	-	23.44
08/06/2017 12:00	8	6	12	W	24.47	-	24.47
08/06/2017 13:00	8	6	13	W	26.15	-	26.15
08/06/2017 14:00	8	6	14	W	27.46	-	27.46
08/06/2017 15:00	8	6	15	W	28.43	-	28.43
08/06/2017 16:00	8	6	16	W	28.30	-	28.3
08/06/2017 17:00	8	6	17	W	28.44	-	28.44
08/06/2017 18:00	8	6	18	W	28.38	-	28.38
08/06/2017 19:00	8	6	19	W	27.82	-	27.82
08/06/2017 20:00	8	6	20	W	27.57	-	27.57
08/06/2017 21:00	8	6	21	W	25.54	-	25.54
08/06/2017 22:00	8	6	22	W	22.45	-	22.45
08/06/2017 23:00	8	6	23	W	20.03	-	20.03
08/07/2017 0:00	8	7	0		19.15	-	19.15
08/07/2017 1:00	8	7	1		18.45	-	18.45
08/07/2017 2:00	8	7	2		17.12	-	17.12
08/07/2017 3:00	8	7	3		16.73	-	16.73
08/07/2017 4:00	8	7	4		17.48	-	17.48
08/07/2017 5:00	8	7	5		18.98	-	18.98
08/07/2017 6:00	8	7	6		20.81	-	20.81
08/07/2017 7:00	8	7	7		21.82	-	21.82
08/07/2017 8:00	8	7	8		23.36	23.36	-
08/07/2017 9:00	8	7	9		24.84	24.84	-
08/07/2017 10:00	8	7	10		27.85	27.85	-
08/07/2017 11:00	8	7	11		29.20	29.2	-
08/07/2017 12:00	8	7	12		30.18	30.18	-
08/07/2017 13:00	8	7	13		31.40	31.4	-
08/07/2017 14:00	8	7	14		31.42	31.42	-
08/07/2017 15:00	8	7	15		31.56	31.56	-
08/07/2017 16:00	8	7	16		31.90	31.9	-
08/07/2017 17:00	8	7	17		31.50	-	31.5
08/07/2017 18:00	8	7	18		30.44	-	30.44
08/07/2017 19:00	8	7	19		30.59	-	30.59
08/07/2017 20:00	8	7	20		29.52	-	29.52
08/07/2017 21:00	8	7	21		25.55	-	25.55
08/07/2017 22:00	8	7	22		22.71	-	22.71
08/07/2017 23:00	8	7	23		21.33	-	21.33
08/08/2017 0:00	8	8	0		18.87	-	18.87



08/08/2017 1:00	8	8	1	17.54	-	17.54
08/08/2017 2:00	8	8	2	17.29	-	17.29
08/08/2017 3:00	8	8	3	16.71	-	16.71
08/08/2017 4:00	8	8	4	17.46	-	17.46
08/08/2017 5:00	8	8	5	18.57	-	18.57
08/08/2017 6:00	8	8	6	20.39	-	20.39
08/08/2017 7:00	8	8	7	20.86	-	20.86
08/08/2017 8:00	8	8	8	22.50	22.5	-
08/08/2017 9:00	8	8	9	23.44	23.44	-
08/08/2017 10:00	8	8	10	25.40	25.4	-
08/08/2017 11:00	8	8	11	27.09	27.09	-
08/08/2017 12:00	8	8	12	30.29	30.29	-
08/08/2017 13:00	8	8	13	32.29	32.29	-
08/08/2017 14:00	8	8	14	32.61	32.61	-
08/08/2017 15:00	8	8	15	34.21	34.21	-
08/08/2017 16:00	8	8	16	37.77	37.77	-
08/08/2017 17:00	8	8	17	35.01	-	35.01
08/08/2017 18:00	8	8	18	32.05	-	32.05
08/08/2017 19:00	8	8	19	29.83	-	29.83
08/08/2017 20:00	8	8	20	28.97	-	28.97
08/08/2017 21:00	8	8	21	25.58	-	25.58
08/08/2017 22:00	8	8	22	22.86	-	22.86
08/08/2017 23:00	8	8	23	21.07	-	21.07
08/09/2017 0:00	8	9	0	18.81	-	18.81
08/09/2017 1:00	8	9	1	18.47	-	18.47
08/09/2017 2:00	8	9	2	17.77	-	17.77
08/09/2017 3:00	8	9	3	16.07	-	16.07
08/09/2017 4:00	8	9	4	16.80	-	16.8
08/09/2017 5:00	8	9	5	18.32	-	18.32
08/09/2017 6:00	8	9	6	20.53	-	20.53
08/09/2017 7:00	8	9	7	20.84	-	20.84
08/09/2017 8:00	8	9	8	21.76	21.76	-
08/09/2017 9:00	8	9	9	23.13	23.13	-
08/09/2017 10:00	8	9	10	24.95	24.95	-
08/09/2017 11:00	8	9	11	27.95	27.95	-
08/09/2017 12:00	8	9	12	31.15	31.15	-
08/09/2017 13:00	8	9	13	33.64	33.64	-
08/09/2017 14:00	8	9	14	33.08	33.08	-
08/09/2017 15:00	8	9	15	37.91	37.91	-
08/09/2017 16:00	8	9	16	42.08	42.08	-
08/09/2017 17:00	8	9	17	39.85	-	39.85
08/09/2017 18:00	8	9	18	34.66	-	34.66
08/09/2017 19:00	8	9	19	33.07	-	33.07
08/09/2017 20:00	8	9	20	32.31	-	32.31
08/09/2017 21:00	8	9	21	27.31	-	27.31
08/09/2017 22:00	8	9	22	23.56	-	23.56
08/09/2017 23:00	8	9	23	21.85	-	21.85



08/10/2017 0:00	8	10	0	20.87	-	20.87
08/10/2017 1:00	8	10	1	19.45	-	19.45
08/10/2017 2:00	8	10	2	18.33	-	18.33
08/10/2017 3:00	8	10	3	16.93	-	16.93
08/10/2017 4:00	8	10	4	17.53	-	17.53
08/10/2017 5:00	8	10	5	19.36	-	19.36
08/10/2017 6:00	8	10	6	20.82	-	20.82
08/10/2017 7:00	8	10	7	21.31	-	21.31
08/10/2017 8:00	8	10	8	22.20	22.2	-
08/10/2017 9:00	8	10	9	23.71	23.71	-
08/10/2017 10:00	8	10	10	26.55	26.55	-
08/10/2017 11:00	8	10	11	32.10	32.1	-
08/10/2017 12:00	8	10	12	32.85	32.85	-
08/10/2017 13:00	8	10	13	34.82	34.82	-
08/10/2017 14:00	8	10	14	37.14	37.14	-
08/10/2017 15:00	8	10	15	39.91	39.91	-
08/10/2017 16:00	8	10	16	45.53	45.53	-
08/10/2017 17:00	8	10	17	41.42	-	41.42
08/10/2017 18:00	8	10	18	35.23	-	35.23
08/10/2017 19:00	8	10	19	33.54	-	33.54
08/10/2017 20:00	8	10	20	33.14	-	33.14
08/10/2017 21:00	8	10	21	28.42	-	28.42
08/10/2017 22:00	8	10	22	23.75	-	23.75
08/10/2017 23:00	8	10	23	22.38	-	22.38
08/11/2017 0:00	8	11	0	21.33	-	21.33
08/11/2017 1:00	8	11	1	20.45	-	20.45
08/11/2017 2:00	8	11	2	19.23	-	19.23
08/11/2017 3:00	8	11	3	18.12	-	18.12
08/11/2017 4:00	8	11	4	18.37	-	18.37
08/11/2017 5:00	8	11	5	19.92	-	19.92
08/11/2017 6:00	8	11	6	21.33	-	21.33
08/11/2017 7:00	8	11	7	21.37	-	21.37
08/11/2017 8:00	8	11	8	22.78	22.78	-
08/11/2017 9:00	8	11	9	23.99	23.99	-
08/11/2017 10:00	8	11	10	27.41	27.41	-
08/11/2017 11:00	8	11	11	30.29	30.29	-
08/11/2017 12:00	8	11	12	31.67	31.67	-
08/11/2017 13:00	8	11	13	33.64	33.64	-
08/11/2017 14:00	8	11	14	35.99	35.99	-
08/11/2017 15:00	8	11	15	36.77	36.77	-
08/11/2017 16:00	8	11	16	39.63	39.63	-
08/11/2017 17:00	8	11	17	36.72	-	36.72
08/11/2017 18:00	8	11	18	31.72	-	31.72
08/11/2017 19:00	8	11	19	28.60	-	28.6
08/11/2017 20:00	8	11	20	28.41	-	28.41
08/11/2017 21:00	8	11	21	25.51	-	25.51
08/11/2017 22:00	8	11	22	23.11	-	23.11

08/11/2017 23:00	8	11	23		21.43	-	21.43
08/12/2017 0:00	8	12	0	W	21.52	-	21.52
08/12/2017 1:00	8	12	1	W	20.32	-	20.32
08/12/2017 2:00	8	12	2	W	19.74	-	19.74
08/12/2017 3:00	8	12	3	W	18.93	-	18.93
08/12/2017 4:00	8	12	4	W	18.84	-	18.84
08/12/2017 5:00	8	12	5	W	19.25	-	19.25
08/12/2017 6:00	8	12	6	W	19.30	-	19.3
08/12/2017 7:00	8	12	7	W	19.98	-	19.98
08/12/2017 8:00	8	12	8	W	21.30	-	21.3
08/12/2017 9:00	8	12	9	W	22.65	-	22.65
08/12/2017 10:00	8	12	10	W	24.86	-	24.86
08/12/2017 11:00	8	12	11	W	27.97	-	27.97
08/12/2017 12:00	8	12	12	W	31.15	-	31.15
08/12/2017 13:00	8	12	13	W	32.21	-	32.21
08/12/2017 14:00	8	12	14	W	31.43	-	31.43
08/12/2017 15:00	8	12	15	W	32.99	-	32.99
08/12/2017 16:00	8	12	16	W	33.73	-	33.73
08/12/2017 17:00	8	12	17	W	33.77	-	33.77
08/12/2017 18:00	8	12	18	W	30.79	-	30.79
08/12/2017 19:00	8	12	19	W	28.69	-	28.69
08/12/2017 20:00	8	12	20	W	29.67	-	29.67
08/12/2017 21:00	8	12	21	W	25.48	-	25.48
08/12/2017 22:00	8	12	22	W	23.12	-	23.12
08/12/2017 23:00	8	12	23	W	21.72	-	21.72
08/13/2017 0:00	8	13	0	W	20.47	-	20.47
08/13/2017 1:00	8	13	1	W	19.55	-	19.55
08/13/2017 2:00	8	13	2	W	18.43	-	18.43
08/13/2017 3:00	8	13	3	W	16.86	-	16.86
08/13/2017 4:00	8	13	4	W	16.54	-	16.54
08/13/2017 5:00	8	13	5	W	16.15	-	16.15
08/13/2017 6:00	8	13	6	W	15.74	-	15.74
08/13/2017 7:00	8	13	7	W	17.05	-	17.05
08/13/2017 8:00	8	13	8	W	19.56	-	19.56
08/13/2017 9:00	8	13	9	W	20.92	-	20.92
08/13/2017 10:00	8	13	10	W	22.29	-	22.29
08/13/2017 11:00	8	13	11	W	23.53	-	23.53
08/13/2017 12:00	8	13	12	W	24.97	-	24.97
08/13/2017 13:00	8	13	13	W	26.01	-	26.01
08/13/2017 14:00	8	13	14	W	28.82	-	28.82
08/13/2017 15:00	8	13	15	W	30.31	-	30.31
08/13/2017 16:00	8	13	16	W	30.63	-	30.63
08/13/2017 17:00	8	13	17	W	30.00	-	30
08/13/2017 18:00	8	13	18	W	29.51	-	29.51
08/13/2017 19:00	8	13	19	W	29.18	-	29.18
08/13/2017 20:00	8	13	20	W	29.51	-	29.51
08/13/2017 21:00	8	13	21	W	25.06	-	25.06

08/13/2017 22:00	8	13	22	W	22.87	-	22.87
08/13/2017 23:00	8	13	23	W	21.25	-	21.25
08/14/2017 0:00	8	14	0		20.40	-	20.4
08/14/2017 1:00	8	14	1		19.61	-	19.61
08/14/2017 2:00	8	14	2		18.76	-	18.76
08/14/2017 3:00	8	14	3		17.56	-	17.56
08/14/2017 4:00	8	14	4		18.44	-	18.44
08/14/2017 5:00	8	14	5		19.80	-	19.8
08/14/2017 6:00	8	14	6		21.39	-	21.39
08/14/2017 7:00	8	14	7		21.74	-	21.74
08/14/2017 8:00	8	14	8		23.04	23.04	-
08/14/2017 9:00	8	14	9		24.65	24.65	-
08/14/2017 10:00	8	14	10		27.35	27.35	-
08/14/2017 11:00	8	14	11		29.26	29.26	-
08/14/2017 12:00	8	14	12		31.89	31.89	-
08/14/2017 13:00	8	14	13		32.87	32.87	-
08/14/2017 14:00	8	14	14		35.52	35.52	-
08/14/2017 15:00	8	14	15		37.91	37.91	-
08/14/2017 16:00	8	14	16		40.68	40.68	-
08/14/2017 17:00	8	14	17		38.74	-	38.74
08/14/2017 18:00	8	14	18		33.45	-	33.45
08/14/2017 19:00	8	14	19		31.16	-	31.16
08/14/2017 20:00	8	14	20		30.79	-	30.79
08/14/2017 21:00	8	14	21		27.08	-	27.08
08/14/2017 22:00	8	14	22		23.09	-	23.09
08/14/2017 23:00	8	14	23		22.10	-	22.1
08/15/2017 0:00	8	15	0		21.79	-	21.79
08/15/2017 1:00	8	15	1		21.52	-	21.52
08/15/2017 2:00	8	15	2		20.69	-	20.69
08/15/2017 3:00	8	15	3		20.02	-	20.02
08/15/2017 4:00	8	15	4		20.19	-	20.19
08/15/2017 5:00	8	15	5		21.56	-	21.56
08/15/2017 6:00	8	15	6		22.48	-	22.48
08/15/2017 7:00	8	15	7		23.63	-	23.63
08/15/2017 8:00	8	15	8		24.87	24.87	-
08/15/2017 9:00	8	15	9		27.24	27.24	-
08/15/2017 10:00	8	15	10		30.28	30.28	-
08/15/2017 11:00	8	15	11		34.84	34.84	-
08/15/2017 12:00	8	15	12		38.55	38.55	-
08/15/2017 13:00	8	15	13		42.35	42.35	-
08/15/2017 14:00	8	15	14		43.14	43.14	-
08/15/2017 15:00	8	15	15		47.46	47.46	-
08/15/2017 16:00	8	15	16		50.38	50.38	-
08/15/2017 17:00	8	15	17		47.34	-	47.34
08/15/2017 18:00	8	15	18		41.44	-	41.44
08/15/2017 19:00	8	15	19		37.99	-	37.99
08/15/2017 20:00	8	15	20		38.18	-	38.18

08/15/2017 21:00	8	15	21	32.65	-	32.65
08/15/2017 22:00	8	15	22	26.64	-	26.64
08/15/2017 23:00	8	15	23	23.72	-	23.72
08/16/2017 0:00	8	16	0	22.08	-	22.08
08/16/2017 1:00	8	16	1	20.80	-	20.8
08/16/2017 2:00	8	16	2	19.75	-	19.75
08/16/2017 3:00	8	16	3	18.94	-	18.94
08/16/2017 4:00	8	16	4	19.21	-	19.21
08/16/2017 5:00	8	16	5	20.65	-	20.65
08/16/2017 6:00	8	16	6	22.03	-	22.03
08/16/2017 7:00	8	16	7	23.00	-	23
08/16/2017 8:00	8	16	8	24.16	24.16	-
08/16/2017 9:00	8	16	9	26.02	26.02	-
08/16/2017 10:00	8	16	10	30.41	30.41	-
08/16/2017 11:00	8	16	11	35.59	35.59	-
08/16/2017 12:00	8	16	12	37.73	37.73	-
08/16/2017 13:00	8	16	13	41.45	41.45	-
08/16/2017 14:00	8	16	14	46.45	46.45	-
08/16/2017 15:00	8	16	15	49.40	49.4	-
08/16/2017 16:00	8	16	16	53.34	53.34	-
08/16/2017 17:00	8	16	17	47.59	-	47.59
08/16/2017 18:00	8	16	18	41.63	-	41.63
08/16/2017 19:00	8	16	19	37.10	-	37.1
08/16/2017 20:00	8	16	20	36.10	-	36.1
08/16/2017 21:00	8	16	21	31.83	-	31.83
08/16/2017 22:00	8	16	22	26.06	-	26.06
08/16/2017 23:00	8	16	23	23.86	-	23.86
08/17/2017 0:00	8	17	0	22.49	-	22.49
08/17/2017 1:00	8	17	1	21.35	-	21.35
08/17/2017 2:00	8	17	2	20.34	-	20.34
08/17/2017 3:00	8	17	3	19.26	-	19.26
08/17/2017 4:00	8	17	4	19.34	-	19.34
08/17/2017 5:00	8	17	5	20.77	-	20.77
08/17/2017 6:00	8	17	6	22.50	-	22.5
08/17/2017 7:00	8	17	7	23.93	-	23.93
08/17/2017 8:00	8	17	8	24.47	24.47	-
08/17/2017 9:00	8	17	9	26.24	26.24	-
08/17/2017 10:00	8	17	10	30.49	30.49	-
08/17/2017 11:00	8	17	11	34.61	34.61	-
08/17/2017 12:00	8	17	12	35.81	35.81	-
08/17/2017 13:00	8	17	13	38.74	38.74	-
08/17/2017 14:00	8	17	14	42.61	42.61	-
08/17/2017 15:00	8	17	15	43.50	43.5	-
08/17/2017 16:00	8	17	16	45.79	45.79	-
08/17/2017 17:00	8	17	17	41.80	-	41.8
08/17/2017 18:00	8	17	18	36.63	-	36.63
08/17/2017 19:00	8	17	19	35.82	-	35.82

08/17/2017 20:00	8	17	20		35.39	-	35.39
08/17/2017 21:00	8	17	21		32.55	-	32.55
08/17/2017 22:00	8	17	22		26.44	-	26.44
08/17/2017 23:00	8	17	23		23.27	-	23.27
08/18/2017 0:00	8	18	0		24.13	-	24.13
08/18/2017 1:00	8	18	1		22.38	-	22.38
08/18/2017 2:00	8	18	2		21.76	-	21.76
08/18/2017 3:00	8	18	3		21.17	-	21.17
08/18/2017 4:00	8	18	4		21.15	-	21.15
08/18/2017 5:00	8	18	5		22.19	-	22.19
08/18/2017 6:00	8	18	6		24.16	-	24.16
08/18/2017 7:00	8	18	7		24.72	-	24.72
08/18/2017 8:00	8	18	8		25.67	25.67	-
08/18/2017 9:00	8	18	9		27.42	27.42	-
08/18/2017 10:00	8	18	10		33.01	33.01	-
08/18/2017 11:00	8	18	11		35.95	35.95	-
08/18/2017 12:00	8	18	12		38.33	38.33	-
08/18/2017 13:00	8	18	13		43.22	43.22	-
08/18/2017 14:00	8	18	14		46.45	46.45	-
08/18/2017 15:00	8	18	15		48.79	48.79	-
08/18/2017 16:00	8	18	16		48.66	48.66	-
08/18/2017 17:00	8	18	17		43.78	-	43.78
08/18/2017 18:00	8	18	18		36.67	-	36.67
08/18/2017 19:00	8	18	19		36.46	-	36.46
08/18/2017 20:00	8	18	20		34.36	-	34.36
08/18/2017 21:00	8	18	21		31.42	-	31.42
08/18/2017 22:00	8	18	22		26.42	-	26.42
08/18/2017 23:00	8	18	23		23.81	-	23.81
08/19/2017 0:00	8	19	0	W	23.69	-	23.69
08/19/2017 1:00	8	19	1	W	22.69	-	22.69
08/19/2017 2:00	8	19	2	W	21.99	-	21.99
08/19/2017 3:00	8	19	3	W	20.99	-	20.99
08/19/2017 4:00	8	19	4	W	20.70	-	20.7
08/19/2017 5:00	8	19	5	W	20.70	-	20.7
08/19/2017 6:00	8	19	6	W	20.65	-	20.65
08/19/2017 7:00	8	19	7	W	21.73	-	21.73
08/19/2017 8:00	8	19	8	W	23.61	-	23.61
08/19/2017 9:00	8	19	9	W	24.62	-	24.62
08/19/2017 10:00	8	19	10	W	27.03	-	27.03
08/19/2017 11:00	8	19	11	W	31.26	-	31.26
08/19/2017 12:00	8	19	12	W	33.89	-	33.89
08/19/2017 13:00	8	19	13	W	34.05	-	34.05
08/19/2017 14:00	8	19	14	W	37.46	-	37.46
08/19/2017 15:00	8	19	15	W	40.62	-	40.62
08/19/2017 16:00	8	19	16	W	44.39	-	44.39
08/19/2017 17:00	8	19	17	W	44.79	-	44.79
08/19/2017 18:00	8	19	18	W	38.08	-	38.08

08/19/2017 19:00	8	19	19	W	35.12	-	35.12
08/19/2017 20:00	8	19	20	W	34.23	-	34.23
08/19/2017 21:00	8	19	21	W	29.45	-	29.45
08/19/2017 22:00	8	19	22	W	26.36	-	26.36
08/19/2017 23:00	8	19	23	W	23.61	-	23.61
08/20/2017 0:00	8	20	0	W	22.17	-	22.17
08/20/2017 1:00	8	20	1	W	21.22	-	21.22
08/20/2017 2:00	8	20	2	W	20.39	-	20.39
08/20/2017 3:00	8	20	3	W	18.93	-	18.93
08/20/2017 4:00	8	20	4	W	17.60	-	17.6
08/20/2017 5:00	8	20	5	W	17.21	-	17.21
08/20/2017 6:00	8	20	6	W	17.44	-	17.44
08/20/2017 7:00	8	20	7	W	19.40	-	19.4
08/20/2017 8:00	8	20	8	W	21.90	-	21.9
08/20/2017 9:00	8	20	9	W	23.41	-	23.41
08/20/2017 10:00	8	20	10	W	24.62	-	24.62
08/20/2017 11:00	8	20	11	W	27.90	-	27.9
08/20/2017 12:00	8	20	12	W	31.41	-	31.41
08/20/2017 13:00	8	20	13	W	36.45	-	36.45
08/20/2017 14:00	8	20	14	W	40.19	-	40.19
08/20/2017 15:00	8	20	15	W	42.96	-	42.96
08/20/2017 16:00	8	20	16	W	50.08	-	50.08
08/20/2017 17:00	8	20	17	W	52.41	-	52.41
08/20/2017 18:00	8	20	18	W	44.49	-	44.49
08/20/2017 19:00	8	20	19	W	41.06	-	41.06
08/20/2017 20:00	8	20	20	W	39.19	-	39.19
08/20/2017 21:00	8	20	21	W	32.74	-	32.74
08/20/2017 22:00	8	20	22	W	27.55	-	27.55
08/20/2017 23:00	8	20	23	W	24.73	-	24.73
08/21/2017 0:00	8	21	0		22.07	-	22.07
08/21/2017 1:00	8	21	1		20.68	-	20.68
08/21/2017 2:00	8	21	2		20.21	-	20.21
08/21/2017 3:00	8	21	3		19.44	-	19.44
08/21/2017 4:00	8	21	4		19.36	-	19.36
08/21/2017 5:00	8	21	5		20.55	-	20.55
08/21/2017 6:00	8	21	6		21.94	-	21.94
08/21/2017 7:00	8	21	7		23.86	-	23.86
08/21/2017 8:00	8	21	8		25.38	25.38	-
08/21/2017 9:00	8	21	9		29.31	29.31	-
08/21/2017 10:00	8	21	10		35.78	35.78	-
08/21/2017 11:00	8	21	11		42.72	42.72	-
08/21/2017 12:00	8	21	12		43.17	43.17	-
08/21/2017 13:00	8	21	13		49.72	49.72	-
08/21/2017 14:00	8	21	14		55.97	55.97	-
08/21/2017 15:00	8	21	15		60.95	60.95	-
08/21/2017 16:00	8	21	16		68.20	68.2	-
08/21/2017 17:00	8	21	17		58.61	-	58.61

08/21/2017 18:00	8	21	18	49.86	-	49.86
08/21/2017 19:00	8	21	19	44.89	-	44.89
08/21/2017 20:00	8	21	20	42.78	-	42.78
08/21/2017 21:00	8	21	21	39.72	-	39.72
08/21/2017 22:00	8	21	22	29.45	-	29.45
08/21/2017 23:00	8	21	23	26.10	-	26.1
08/22/2017 0:00	8	22	0	23.14	-	23.14
08/22/2017 1:00	8	22	1	21.30	-	21.3
08/22/2017 2:00	8	22	2	20.07	-	20.07
08/22/2017 3:00	8	22	3	18.99	-	18.99
08/22/2017 4:00	8	22	4	19.02	-	19.02
08/22/2017 5:00	8	22	5	21.03	-	21.03
08/22/2017 6:00	8	22	6	22.87	-	22.87
08/22/2017 7:00	8	22	7	24.32	-	24.32
08/22/2017 8:00	8	22	8	25.21	25.21	-
08/22/2017 9:00	8	22	9	28.48	28.48	-
08/22/2017 10:00	8	22	10	32.32	32.32	-
08/22/2017 11:00	8	22	11	35.28	35.28	-
08/22/2017 12:00	8	22	12	38.67	38.67	-
08/22/2017 13:00	8	22	13	41.81	41.81	-
08/22/2017 14:00	8	22	14	46.53	46.53	-
08/22/2017 15:00	8	22	15	48.85	48.85	-
08/22/2017 16:00	8	22	16	54.47	54.47	-
08/22/2017 17:00	8	22	17	47.54	-	47.54
08/22/2017 18:00	8	22	18	36.47	-	36.47
08/22/2017 19:00	8	22	19	35.03	-	35.03
08/22/2017 20:00	8	22	20	35.80	-	35.8
08/22/2017 21:00	8	22	21	31.51	-	31.51
08/22/2017 22:00	8	22	22	26.55	-	26.55
08/22/2017 23:00	8	22	23	23.51	-	23.51
08/23/2017 0:00	8	23	0	22.48	-	22.48
08/23/2017 1:00	8	23	1	21.47	-	21.47
08/23/2017 2:00	8	23	2	20.30	-	20.3
08/23/2017 3:00	8	23	3	19.51	-	19.51
08/23/2017 4:00	8	23	4	19.67	-	19.67
08/23/2017 5:00	8	23	5	21.50	-	21.5
08/23/2017 6:00	8	23	6	22.50	-	22.5
08/23/2017 7:00	8	23	7	22.87	-	22.87
08/23/2017 8:00	8	23	8	23.60	23.6	-
08/23/2017 9:00	8	23	9	25.10	25.1	-
08/23/2017 10:00	8	23	10	26.39	26.39	-
08/23/2017 11:00	8	23	11	28.44	28.44	-
08/23/2017 12:00	8	23	12	30.95	30.95	-
08/23/2017 13:00	8	23	13	32.95	32.95	-
08/23/2017 14:00	8	23	14	34.40	34.4	-
08/23/2017 15:00	8	23	15	34.37	34.37	-
08/23/2017 16:00	8	23	16	35.26	35.26	-



08/23/2017 17:00	8	23	17	34.23	-	34.23
08/23/2017 18:00	8	23	18	32.74	-	32.74
08/23/2017 19:00	8	23	19	28.33	-	28.33
08/23/2017 20:00	8	23	20	27.64	-	27.64
08/23/2017 21:00	8	23	21	25.98	-	25.98
08/23/2017 22:00	8	23	22	22.77	-	22.77
08/23/2017 23:00	8	23	23	21.35	-	21.35
08/24/2017 0:00	8	24	0	20.22	-	20.22
08/24/2017 1:00	8	24	1	19.62	-	19.62
08/24/2017 2:00	8	24	2	18.36	-	18.36
08/24/2017 3:00	8	24	3	17.33	-	17.33
08/24/2017 4:00	8	24	4	18.32	-	18.32
08/24/2017 5:00	8	24	5	20.04	-	20.04
08/24/2017 6:00	8	24	6	21.82	-	21.82
08/24/2017 7:00	8	24	7	21.92	-	21.92
08/24/2017 8:00	8	24	8	22.87	22.87	-
08/24/2017 9:00	8	24	9	23.78	23.78	-
08/24/2017 10:00	8	24	10	25.16	25.16	-
08/24/2017 11:00	8	24	11	27.07	27.07	-
08/24/2017 12:00	8	24	12	28.74	28.74	-
08/24/2017 13:00	8	24	13	29.42	29.42	-
08/24/2017 14:00	8	24	14	30.53	30.53	-
08/24/2017 15:00	8	24	15	30.82	30.82	-
08/24/2017 16:00	8	24	16	30.87	30.87	-
08/24/2017 17:00	8	24	17	30.55	-	30.55
08/24/2017 18:00	8	24	18	29.62	-	29.62
08/24/2017 19:00	8	24	19	27.09	-	27.09
08/24/2017 20:00	8	24	20	27.65	-	27.65
08/24/2017 21:00	8	24	21	25.41	-	25.41
08/24/2017 22:00	8	24	22	22.74	-	22.74
08/24/2017 23:00	8	24	23	20.50	-	20.5
08/25/2017 0:00	8	25	0	20.11	-	20.11
08/25/2017 1:00	8	25	1	18.96	-	18.96
08/25/2017 2:00	8	25	2	18.33	-	18.33
08/25/2017 3:00	8	25	3	17.12	-	17.12
08/25/2017 4:00	8	25	4	18.55	-	18.55
08/25/2017 5:00	8	25	5	19.62	-	19.62
08/25/2017 6:00	8	25	6	21.80	-	21.8
08/25/2017 7:00	8	25	7	22.28	-	22.28
08/25/2017 8:00	8	25	8	23.06	23.06	-
08/25/2017 9:00	8	25	9	24.20	24.2	-
08/25/2017 10:00	8	25	10	25.14	25.14	-
08/25/2017 11:00	8	25	11	26.86	26.86	-
08/25/2017 12:00	8	25	12	28.42	28.42	-
08/25/2017 13:00	8	25	13	30.43	30.43	-
08/25/2017 14:00	8	25	14	31.92	31.92	-
08/25/2017 15:00	8	25	15	32.35	32.35	-



08/25/2017 16:00	8	25	16		32.45	32.45	-
08/25/2017 17:00	8	25	17		32.40	-	32.4
08/25/2017 18:00	8	25	18		29.96	-	29.96
08/25/2017 19:00	8	25	19		26.51	-	26.51
08/25/2017 20:00	8	25	20		26.06	-	26.06
08/25/2017 21:00	8	25	21		24.54	-	24.54
08/25/2017 22:00	8	25	22		22.53	-	22.53
08/25/2017 23:00	8	25	23		20.59	-	20.59
08/26/2017 0:00	8	26	0	W	19.38	-	19.38
08/26/2017 1:00	8	26	1	W	18.11	-	18.11
08/26/2017 2:00	8	26	2	W	17.74	-	17.74
08/26/2017 3:00	8	26	3	W	17.96	-	17.96
08/26/2017 4:00	8	26	4	W	18.06	-	18.06
08/26/2017 5:00	8	26	5	W	18.19	-	18.19
08/26/2017 6:00	8	26	6	W	18.01	-	18.01
08/26/2017 7:00	8	26	7	W	18.71	-	18.71
08/26/2017 8:00	8	26	8	W	20.44	-	20.44
08/26/2017 9:00	8	26	9	W	21.68	-	21.68
08/26/2017 10:00	8	26	10	W	22.88	-	22.88
08/26/2017 11:00	8	26	11	W	24.28	-	24.28
08/26/2017 12:00	8	26	12	W	25.15	-	25.15
08/26/2017 13:00	8	26	13	W	25.93	-	25.93
08/26/2017 14:00	8	26	14	W	26.86	-	26.86
08/26/2017 15:00	8	26	15	W	27.83	-	27.83
08/26/2017 16:00	8	26	16	W	28.35	-	28.35
08/26/2017 17:00	8	26	17	W	27.91	-	27.91
08/26/2017 18:00	8	26	18	W	26.89	-	26.89
08/26/2017 19:00	8	26	19	W	26.02	-	26.02
08/26/2017 20:00	8	26	20	W	25.45	-	25.45
08/26/2017 21:00	8	26	21	W	23.87	-	23.87
08/26/2017 22:00	8	26	22	W	21.95	-	21.95
08/26/2017 23:00	8	26	23	W	20.27	-	20.27
08/27/2017 0:00	8	27	0	W	18.80	-	18.8
08/27/2017 1:00	8	27	1	W	18.04	-	18.04
08/27/2017 2:00	8	27	2	W	17.00	-	17
08/27/2017 3:00	8	27	3	W	16.01	-	16.01
08/27/2017 4:00	8	27	4	W	15.15	-	15.15
08/27/2017 5:00	8	27	5	W	15.11	-	15.11
08/27/2017 6:00	8	27	6	W	15.32	-	15.32
08/27/2017 7:00	8	27	7	W	15.96	-	15.96
08/27/2017 8:00	8	27	8	W	19.47	-	19.47
08/27/2017 9:00	8	27	9	W	20.76	-	20.76
08/27/2017 10:00	8	27	10	W	21.86	-	21.86
08/27/2017 11:00	8	27	11	W	23.54	-	23.54
08/27/2017 12:00	8	27	12	W	24.98	-	24.98
08/27/2017 13:00	8	27	13	W	26.34	-	26.34
08/27/2017 14:00	8	27	14	W	29.21	-	29.21

08/27/2017 15:00	8	27	15	W	29.00	-	29
08/27/2017 16:00	8	27	16	W	29.27	-	29.27
08/27/2017 17:00	8	27	17	W	29.75	-	29.75
08/27/2017 18:00	8	27	18	W	28.78	-	28.78
08/27/2017 19:00	8	27	19	W	27.73	-	27.73
08/27/2017 20:00	8	27	20	W	28.59	-	28.59
08/27/2017 21:00	8	27	21	W	25.60	-	25.6
08/27/2017 22:00	8	27	22	W	23.80	-	23.8
08/27/2017 23:00	8	27	23	W	21.66	-	21.66
08/28/2017 0:00	8	28	0		20.40	-	20.4
08/28/2017 1:00	8	28	1		20.62	-	20.62
08/28/2017 2:00	8	28	2		19.63	-	19.63
08/28/2017 3:00	8	28	3		19.23	-	19.23
08/28/2017 4:00	8	28	4		19.54	-	19.54
08/28/2017 5:00	8	28	5		20.81	-	20.81
08/28/2017 6:00	8	28	6		22.17	-	22.17
08/28/2017 7:00	8	28	7		23.65	-	23.65
08/28/2017 8:00	8	28	8		24.89	24.89	-
08/28/2017 9:00	8	28	9		27.02	27.02	-
08/28/2017 10:00	8	28	10		28.93	28.93	-
08/28/2017 11:00	8	28	11		30.92	30.92	-
08/28/2017 12:00	8	28	12		33.08	33.08	-
08/28/2017 13:00	8	28	13		33.52	33.52	-
08/28/2017 14:00	8	28	14		34.84	34.84	-
08/28/2017 15:00	8	28	15		36.44	36.44	-
08/28/2017 16:00	8	28	16		37.91	37.91	-
08/28/2017 17:00	8	28	17		36.01	-	36.01
08/28/2017 18:00	8	28	18		33.96	-	33.96
08/28/2017 19:00	8	28	19		32.30	-	32.3
08/28/2017 20:00	8	28	20		31.30	-	31.3
08/28/2017 21:00	8	28	21		28.90	-	28.9
08/28/2017 22:00	8	28	22		24.92	-	24.92
08/28/2017 23:00	8	28	23		23.53	-	23.53
08/29/2017 0:00	8	29	0		20.15	-	20.15
08/29/2017 1:00	8	29	1		19.58	-	19.58
08/29/2017 2:00	8	29	2		19.21	-	19.21
08/29/2017 3:00	8	29	3		18.88	-	18.88
08/29/2017 4:00	8	29	4		19.16	-	19.16
08/29/2017 5:00	8	29	5		20.31	-	20.31
08/29/2017 6:00	8	29	6		22.05	-	22.05
08/29/2017 7:00	8	29	7		22.68	-	22.68
08/29/2017 8:00	8	29	8		23.74	23.74	-
08/29/2017 9:00	8	29	9		24.92	24.92	-
08/29/2017 10:00	8	29	10		26.11	26.11	-
08/29/2017 11:00	8	29	11		27.21	27.21	-
08/29/2017 12:00	8	29	12		29.79	29.79	-
08/29/2017 13:00	8	29	13		30.95	30.95	-

08/29/2017 14:00	8	29	14	31.04	31.04	-
08/29/2017 15:00	8	29	15	31.39	31.39	-
08/29/2017 16:00	8	29	16	31.51	31.51	-
08/29/2017 17:00	8	29	17	31.24	-	31.24
08/29/2017 18:00	8	29	18	30.88	-	30.88
08/29/2017 19:00	8	29	19	30.64	-	30.64
08/29/2017 20:00	8	29	20	29.94	-	29.94
08/29/2017 21:00	8	29	21	25.79	-	25.79
08/29/2017 22:00	8	29	22	22.82	-	22.82
08/29/2017 23:00	8	29	23	21.08	-	21.08
08/30/2017 0:00	8	30	0	20.86	-	20.86
08/30/2017 1:00	8	30	1	20.02	-	20.02
08/30/2017 2:00	8	30	2	19.35	-	19.35
08/30/2017 3:00	8	30	3	18.83	-	18.83
08/30/2017 4:00	8	30	4	19.21	-	19.21
08/30/2017 5:00	8	30	5	20.80	-	20.8
08/30/2017 6:00	8	30	6	21.92	-	21.92
08/30/2017 7:00	8	30	7	22.08	-	22.08
08/30/2017 8:00	8	30	8	22.69	22.69	-
08/30/2017 9:00	8	30	9	24.18	24.18	-
08/30/2017 10:00	8	30	10	25.56	25.56	-
08/30/2017 11:00	8	30	11	27.52	27.52	-
08/30/2017 12:00	8	30	12	31.21	31.21	-
08/30/2017 13:00	8	30	13	34.44	34.44	-
08/30/2017 14:00	8	30	14	34.27	34.27	-
08/30/2017 15:00	8	30	15	36.78	36.78	-
08/30/2017 16:00	8	30	16	40.34	40.34	-
08/30/2017 17:00	8	30	17	40.42	-	40.42
08/30/2017 18:00	8	30	18	34.57	-	34.57
08/30/2017 19:00	8	30	19	33.86	-	33.86
08/30/2017 20:00	8	30	20	33.88	-	33.88
08/30/2017 21:00	8	30	21	29.44	-	29.44
08/30/2017 22:00	8	30	22	24.44	-	24.44
08/30/2017 23:00	8	30	23	22.21	-	22.21
08/31/2017 0:00	8	31	0	21.32	-	21.32
08/31/2017 1:00	8	31	1	20.54	-	20.54
08/31/2017 2:00	8	31	2	19.58	-	19.58
08/31/2017 3:00	8	31	3	18.63	-	18.63
08/31/2017 4:00	8	31	4	19.17	-	19.17
08/31/2017 5:00	8	31	5	20.57	-	20.57
08/31/2017 6:00	8	31	6	21.93	-	21.93
08/31/2017 7:00	8	31	7	21.84	-	21.84
08/31/2017 8:00	8	31	8	22.96	22.96	-
08/31/2017 9:00	8	31	9	24.68	24.68	-
08/31/2017 10:00	8	31	10	26.83	26.83	-
08/31/2017 11:00	8	31	11	29.55	29.55	-
08/31/2017 12:00	8	31	12	30.98	30.98	-

08/31/2017 13:00	8	31	13		32.63	32.63	-
08/31/2017 14:00	8	31	14		33.41	33.41	-
08/31/2017 15:00	8	31	15		34.75	34.75	-
08/31/2017 16:00	8	31	16		35.44	35.44	-
08/31/2017 17:00	8	31	17		34.59	-	34.59
08/31/2017 18:00	8	31	18		31.61	-	31.61
08/31/2017 19:00	8	31	19		30.00	-	30
08/31/2017 20:00	8	31	20		30.67	-	30.67
08/31/2017 21:00	8	31	21		25.19	-	25.19
08/31/2017 22:00	8	31	22		22.12	-	22.12
08/31/2017 23:00	8	31	23		21.26	-	21.26
09/01/2017 0:00	9	1	0		20.65	-	20.65
09/01/2017 1:00	9	1	1		19.55	-	19.55
09/01/2017 2:00	9	1	2		19.07	-	19.07
09/01/2017 3:00	9	1	3		18.53	-	18.53
09/01/2017 4:00	9	1	4		18.91	-	18.91
09/01/2017 5:00	9	1	5		20.53	-	20.53
09/01/2017 6:00	9	1	6		22.57	-	22.57
09/01/2017 7:00	9	1	7		23.64	-	23.64
09/01/2017 8:00	9	1	8		24.22	24.22	-
09/01/2017 9:00	9	1	9		24.84	24.84	-
09/01/2017 10:00	9	1	10		24.91	24.91	-
09/01/2017 11:00	9	1	11		25.34	25.34	-
09/01/2017 12:00	9	1	12		25.39	25.39	-
09/01/2017 13:00	9	1	13		25.50	25.5	-
09/01/2017 14:00	9	1	14		25.65	25.65	-
09/01/2017 15:00	9	1	15		25.73	25.73	-
09/01/2017 16:00	9	1	16		25.57	25.57	-
09/01/2017 17:00	9	1	17		25.54	-	25.54
09/01/2017 18:00	9	1	18		24.74	-	24.74
09/01/2017 19:00	9	1	19		24.75	-	24.75
09/01/2017 20:00	9	1	20		24.93	-	24.93
09/01/2017 21:00	9	1	21		23.42	-	23.42
09/01/2017 22:00	9	1	22		21.95	-	21.95
09/01/2017 23:00	9	1	23		19.66	-	19.66
09/02/2017 0:00	9	2	0	W	18.20	-	18.2
09/02/2017 1:00	9	2	1	W	17.62	-	17.62
09/02/2017 2:00	9	2	2	W	15.89	-	15.89
09/02/2017 3:00	9	2	3	W	15.59	-	15.59
09/02/2017 4:00	9	2	4	W	15.67	-	15.67
09/02/2017 5:00	9	2	5	W	16.23	-	16.23
09/02/2017 6:00	9	2	6	W	17.80	-	17.8
09/02/2017 7:00	9	2	7	W	18.92	-	18.92
09/02/2017 8:00	9	2	8	W	20.28	-	20.28
09/02/2017 9:00	9	2	9	W	22.18	-	22.18
09/02/2017 10:00	9	2	10	W	23.11	-	23.11
09/02/2017 11:00	9	2	11	W	23.87	-	23.87

09/02/2017 12:00	9	2	12	W	24.35	-	24.35
09/02/2017 13:00	9	2	13	W	24.39	-	24.39
09/02/2017 14:00	9	2	14	W	24.60	-	24.6
09/02/2017 15:00	9	2	15	W	24.67	-	24.67
09/02/2017 16:00	9	2	16	W	24.75	-	24.75
09/02/2017 17:00	9	2	17	W	24.73	-	24.73
09/02/2017 18:00	9	2	18	W	24.59	-	24.59
09/02/2017 19:00	9	2	19	W	24.56	-	24.56
09/02/2017 20:00	9	2	20	W	24.60	-	24.6
09/02/2017 21:00	9	2	21	W	24.44	-	24.44
09/02/2017 22:00	9	2	22	W	21.75	-	21.75
09/02/2017 23:00	9	2	23	W	19.51	-	19.51
09/03/2017 0:00	9	3	0	W	19.12	-	19.12
09/03/2017 1:00	9	3	1	W	18.25	-	18.25
09/03/2017 2:00	9	3	2	W	17.63	-	17.63
09/03/2017 3:00	9	3	3	W	16.29	-	16.29
09/03/2017 4:00	9	3	4	W	15.74	-	15.74
09/03/2017 5:00	9	3	5	W	15.92	-	15.92
09/03/2017 6:00	9	3	6	W	15.91	-	15.91
09/03/2017 7:00	9	3	7	W	17.37	-	17.37
09/03/2017 8:00	9	3	8	W	19.23	-	19.23
09/03/2017 9:00	9	3	9	W	20.77	-	20.77
09/03/2017 10:00	9	3	10	W	22.05	-	22.05
09/03/2017 11:00	9	3	11	W	22.56	-	22.56
09/03/2017 12:00	9	3	12	W	24.43	-	24.43
09/03/2017 13:00	9	3	13	W	25.45	-	25.45
09/03/2017 14:00	9	3	14	W	27.35	-	27.35
09/03/2017 15:00	9	3	15	W	28.56	-	28.56
09/03/2017 16:00	9	3	16	W	29.84	-	29.84
09/03/2017 17:00	9	3	17	W	29.91	-	29.91
09/03/2017 18:00	9	3	18	W	29.28	-	29.28
09/03/2017 19:00	9	3	19	W	29.78	-	29.78
09/03/2017 20:00	9	3	20	W	29.14	-	29.14
09/03/2017 21:00	9	3	21	W	24.81	-	24.81
09/03/2017 22:00	9	3	22	W	21.73	-	21.73
09/03/2017 23:00	9	3	23	W	19.12	-	19.12
09/04/2017 0:00	9	4	0		18.47	-	18.47
09/04/2017 1:00	9	4	1		15.45	-	15.45
09/04/2017 2:00	9	4	2		14.07	-	14.07
09/04/2017 3:00	9	4	3		13.08	-	13.08
09/04/2017 4:00	9	4	4		12.94	-	12.94
09/04/2017 5:00	9	4	5		13.63	-	13.63
09/04/2017 6:00	9	4	6		13.91	-	13.91
09/04/2017 7:00	9	4	7		15.52	-	15.52
09/04/2017 8:00	9	4	8		18.80	18.8	-
09/04/2017 9:00	9	4	9		21.49	21.49	-
09/04/2017 10:00	9	4	10		22.78	22.78	-

09/04/2017 11:00	9	4	11	23.82	23.82	-
09/04/2017 12:00	9	4	12	25.78	25.78	-
09/04/2017 13:00	9	4	13	29.15	29.15	-
09/04/2017 14:00	9	4	14	31.28	31.28	-
09/04/2017 15:00	9	4	15	33.78	33.78	-
09/04/2017 16:00	9	4	16	36.80	36.8	-
09/04/2017 17:00	9	4	17	40.28	-	40.28
09/04/2017 18:00	9	4	18	34.60	-	34.6
09/04/2017 19:00	9	4	19	33.71	-	33.71
09/04/2017 20:00	9	4	20	32.88	-	32.88
09/04/2017 21:00	9	4	21	29.37	-	29.37
09/04/2017 22:00	9	4	22	23.71	-	23.71
09/04/2017 23:00	9	4	23	22.07	-	22.07
09/05/2017 0:00	9	5	0	20.89	-	20.89
09/05/2017 1:00	9	5	1	19.57	-	19.57
09/05/2017 2:00	9	5	2	18.99	-	18.99
09/05/2017 3:00	9	5	3	18.55	-	18.55
09/05/2017 4:00	9	5	4	18.97	-	18.97
09/05/2017 5:00	9	5	5	20.57	-	20.57
09/05/2017 6:00	9	5	6	22.17	-	22.17
09/05/2017 7:00	9	5	7	22.65	-	22.65
09/05/2017 8:00	9	5	8	23.81	23.81	-
09/05/2017 9:00	9	5	9	25.72	25.72	-
09/05/2017 10:00	9	5	10	27.73	27.73	-
09/05/2017 11:00	9	5	11	31.17	31.17	-
09/05/2017 12:00	9	5	12	32.29	32.29	-
09/05/2017 13:00	9	5	13	32.43	32.43	-
09/05/2017 14:00	9	5	14	34.25	34.25	-
09/05/2017 15:00	9	5	15	36.32	36.32	-
09/05/2017 16:00	9	5	16	37.50	37.5	-
09/05/2017 17:00	9	5	17	34.19	-	34.19
09/05/2017 18:00	9	5	18	31.28	-	31.28
09/05/2017 19:00	9	5	19	30.12	-	30.12
09/05/2017 20:00	9	5	20	30.64	-	30.64
09/05/2017 21:00	9	5	21	26.01	-	26.01
09/05/2017 22:00	9	5	22	23.27	-	23.27
09/05/2017 23:00	9	5	23	21.72	-	21.72
09/06/2017 0:00	9	6	0	20.24	-	20.24
09/06/2017 1:00	9	6	1	19.01	-	19.01
09/06/2017 2:00	9	6	2	19.04	-	19.04
09/06/2017 3:00	9	6	3	18.91	-	18.91
09/06/2017 4:00	9	6	4	19.10	-	19.1
09/06/2017 5:00	9	6	5	20.90	-	20.9
09/06/2017 6:00	9	6	6	23.35	-	23.35
09/06/2017 7:00	9	6	7	23.75	-	23.75
09/06/2017 8:00	9	6	8	24.49	24.49	-
09/06/2017 9:00	9	6	9	25.20	25.2	-

09/06/2017 10:00	9	6	10	25.86	25.86	-
09/06/2017 11:00	9	6	11	26.16	26.16	-
09/06/2017 12:00	9	6	12	25.93	25.93	-
09/06/2017 13:00	9	6	13	25.88	25.88	-
09/06/2017 14:00	9	6	14	25.76	25.76	-
09/06/2017 15:00	9	6	15	25.28	25.28	-
09/06/2017 16:00	9	6	16	25.34	25.34	-
09/06/2017 17:00	9	6	17	25.29	-	25.29
09/06/2017 18:00	9	6	18	24.75	-	24.75
09/06/2017 19:00	9	6	19	24.65	-	24.65
09/06/2017 20:00	9	6	20	25.80	-	25.8
09/06/2017 21:00	9	6	21	24.09	-	24.09
09/06/2017 22:00	9	6	22	21.69	-	21.69
09/06/2017 23:00	9	6	23	20.14	-	20.14
09/07/2017 0:00	9	7	0	18.80	-	18.8
09/07/2017 1:00	9	7	1	18.68	-	18.68
09/07/2017 2:00	9	7	2	18.00	-	18
09/07/2017 3:00	9	7	3	17.81	-	17.81
09/07/2017 4:00	9	7	4	17.69	-	17.69
09/07/2017 5:00	9	7	5	20.16	-	20.16
09/07/2017 6:00	9	7	6	22.53	-	22.53
09/07/2017 7:00	9	7	7	22.31	-	22.31
09/07/2017 8:00	9	7	8	22.97	22.97	-
09/07/2017 9:00	9	7	9	24.00	24	-
09/07/2017 10:00	9	7	10	24.91	24.91	-
09/07/2017 11:00	9	7	11	25.58	25.58	-
09/07/2017 12:00	9	7	12	25.23	25.23	-
09/07/2017 13:00	9	7	13	25.55	25.55	-
09/07/2017 14:00	9	7	14	25.36	25.36	-
09/07/2017 15:00	9	7	15	25.40	25.4	-
09/07/2017 16:00	9	7	16	25.64	25.64	-
09/07/2017 17:00	9	7	17	25.57	-	25.57
09/07/2017 18:00	9	7	18	25.49	-	25.49
09/07/2017 19:00	9	7	19	25.76	-	25.76
09/07/2017 20:00	9	7	20	26.29	-	26.29
09/07/2017 21:00	9	7	21	24.76	-	24.76
09/07/2017 22:00	9	7	22	21.83	-	21.83
09/07/2017 23:00	9	7	23	20.58	-	20.58
09/08/2017 0:00	9	8	0	19.04	-	19.04
09/08/2017 1:00	9	8	1	18.63	-	18.63
09/08/2017 2:00	9	8	2	18.63	-	18.63
09/08/2017 3:00	9	8	3	17.96	-	17.96
09/08/2017 4:00	9	8	4	18.84	-	18.84
09/08/2017 5:00	9	8	5	20.08	-	20.08
09/08/2017 6:00	9	8	6	22.78	-	22.78
09/08/2017 7:00	9	8	7	23.46	-	23.46
09/08/2017 8:00	9	8	8	24.59	24.59	-



09/08/2017 9:00	9	8	9		25.08	25.08	-
09/08/2017 10:00	9	8	10		27.22	27.22	-
09/08/2017 11:00	9	8	11		28.71	28.71	-
09/08/2017 12:00	9	8	12		28.69	28.69	-
09/08/2017 13:00	9	8	13		28.71	28.71	-
09/08/2017 14:00	9	8	14		28.80	28.8	-
09/08/2017 15:00	9	8	15		28.17	28.17	-
09/08/2017 16:00	9	8	16		27.91	27.91	-
09/08/2017 17:00	9	8	17		27.55	-	27.55
09/08/2017 18:00	9	8	18		26.41	-	26.41
09/08/2017 19:00	9	8	19		26.73	-	26.73
09/08/2017 20:00	9	8	20		27.23	-	27.23
09/08/2017 21:00	9	8	21		23.89	-	23.89
09/08/2017 22:00	9	8	22		22.14	-	22.14
09/08/2017 23:00	9	8	23		20.84	-	20.84
09/09/2017 0:00	9	9	0	W	18.65	-	18.65
09/09/2017 1:00	9	9	1	W	18.40	-	18.4
09/09/2017 2:00	9	9	2	W	18.10	-	18.1
09/09/2017 3:00	9	9	3	W	17.65	-	17.65
09/09/2017 4:00	9	9	4	W	17.96	-	17.96
09/09/2017 5:00	9	9	5	W	18.51	-	18.51
09/09/2017 6:00	9	9	6	W	18.78	-	18.78
09/09/2017 7:00	9	9	7	W	19.07	-	19.07
09/09/2017 8:00	9	9	8	W	20.56	-	20.56
09/09/2017 9:00	9	9	9	W	22.06	-	22.06
09/09/2017 10:00	9	9	10	W	23.76	-	23.76
09/09/2017 11:00	9	9	11	W	22.93	-	22.93
09/09/2017 12:00	9	9	12	W	23.20	-	23.2
09/09/2017 13:00	9	9	13	W	23.63	-	23.63
09/09/2017 14:00	9	9	14	W	23.95	-	23.95
09/09/2017 15:00	9	9	15	W	24.18	-	24.18
09/09/2017 16:00	9	9	16	W	24.20	-	24.2
09/09/2017 17:00	9	9	17	W	24.01	-	24.01
09/09/2017 18:00	9	9	18	W	23.81	-	23.81
09/09/2017 19:00	9	9	19	W	24.15	-	24.15
09/09/2017 20:00	9	9	20	W	24.10	-	24.1
09/09/2017 21:00	9	9	21	W	22.33	-	22.33
09/09/2017 22:00	9	9	22	W	20.25	-	20.25
09/09/2017 23:00	9	9	23	W	18.66	-	18.66
09/10/2017 0:00	9	10	0	W	17.31	-	17.31
09/10/2017 1:00	9	10	1	W	17.57	-	17.57
09/10/2017 2:00	9	10	2	W	16.83	-	16.83
09/10/2017 3:00	9	10	3	W	16.52	-	16.52
09/10/2017 4:00	9	10	4	W	16.84	-	16.84
09/10/2017 5:00	9	10	5	W	17.11	-	17.11
09/10/2017 6:00	9	10	6	W	17.34	-	17.34
09/10/2017 7:00	9	10	7	W	17.25	-	17.25



09/10/2017 8:00	9	10	8	W	18.90	-	18.9
09/10/2017 9:00	9	10	9	W	20.83	-	20.83
09/10/2017 10:00	9	10	10	W	22.01	-	22.01
09/10/2017 11:00	9	10	11	W	22.24	-	22.24
09/10/2017 12:00	9	10	12	W	22.80	-	22.8
09/10/2017 13:00	9	10	13	W	23.92	-	23.92
09/10/2017 14:00	9	10	14	W	24.70	-	24.7
09/10/2017 15:00	9	10	15	W	24.94	-	24.94
09/10/2017 16:00	9	10	16	W	26.87	-	26.87
09/10/2017 17:00	9	10	17	W	26.89	-	26.89
09/10/2017 18:00	9	10	18	W	26.27	-	26.27
09/10/2017 19:00	9	10	19	W	27.28	-	27.28
09/10/2017 20:00	9	10	20	W	27.06	-	27.06
09/10/2017 21:00	9	10	21	W	24.75	-	24.75
09/10/2017 22:00	9	10	22	W	21.27	-	21.27
09/10/2017 23:00	9	10	23	W	19.63	-	19.63
09/11/2017 0:00	9	11	0		19.91	-	19.91
09/11/2017 1:00	9	11	1		19.97	-	19.97
09/11/2017 2:00	9	11	2		19.88	-	19.88
09/11/2017 3:00	9	11	3		19.80	-	19.8
09/11/2017 4:00	9	11	4		20.15	-	20.15
09/11/2017 5:00	9	11	5		21.70	-	21.7
09/11/2017 6:00	9	11	6		25.89	-	25.89
09/11/2017 7:00	9	11	7		25.38	-	25.38
09/11/2017 8:00	9	11	8		26.04	26.04	-
09/11/2017 9:00	9	11	9		27.62	27.62	-
09/11/2017 10:00	9	11	10		29.96	29.96	-
09/11/2017 11:00	9	11	11		32.63	32.63	-
09/11/2017 12:00	9	11	12		34.82	34.82	-
09/11/2017 13:00	9	11	13		34.80	34.8	-
09/11/2017 14:00	9	11	14		34.79	34.79	-
09/11/2017 15:00	9	11	15		33.70	33.7	-
09/11/2017 16:00	9	11	16		33.31	33.31	-
09/11/2017 17:00	9	11	17		32.86	-	32.86
09/11/2017 18:00	9	11	18		33.24	-	33.24
09/11/2017 19:00	9	11	19		32.87	-	32.87
09/11/2017 20:00	9	11	20		32.32	-	32.32
09/11/2017 21:00	9	11	21		27.74	-	27.74
09/11/2017 22:00	9	11	22		23.72	-	23.72
09/11/2017 23:00	9	11	23		21.28	-	21.28
09/12/2017 0:00	9	12	0		21.92	-	21.92
09/12/2017 1:00	9	12	1		20.37	-	20.37
09/12/2017 2:00	9	12	2		19.51	-	19.51
09/12/2017 3:00	9	12	3		19.27	-	19.27
09/12/2017 4:00	9	12	4		19.92	-	19.92
09/12/2017 5:00	9	12	5		21.98	-	21.98
09/12/2017 6:00	9	12	6		25.76	-	25.76

09/12/2017 7:00	9	12	7	27.29	-	27.29
09/12/2017 8:00	9	12	8	27.19	27.19	-
09/12/2017 9:00	9	12	9	30.12	30.12	-
09/12/2017 10:00	9	12	10	33.56	33.56	-
09/12/2017 11:00	9	12	11	35.78	35.78	-
09/12/2017 12:00	9	12	12	36.98	36.98	-
09/12/2017 13:00	9	12	13	37.53	37.53	-
09/12/2017 14:00	9	12	14	37.54	37.54	-
09/12/2017 15:00	9	12	15	38.44	38.44	-
09/12/2017 16:00	9	12	16	38.64	38.64	-
09/12/2017 17:00	9	12	17	37.96	-	37.96
09/12/2017 18:00	9	12	18	35.32	-	35.32
09/12/2017 19:00	9	12	19	36.83	-	36.83
09/12/2017 20:00	9	12	20	36.61	-	36.61
09/12/2017 21:00	9	12	21	29.57	-	29.57
09/12/2017 22:00	9	12	22	24.55	-	24.55
09/12/2017 23:00	9	12	23	23.21	-	23.21
09/13/2017 0:00	9	13	0	21.58	-	21.58
09/13/2017 1:00	9	13	1	21.03	-	21.03
09/13/2017 2:00	9	13	2	20.34	-	20.34
09/13/2017 3:00	9	13	3	20.00	-	20
09/13/2017 4:00	9	13	4	20.67	-	20.67
09/13/2017 5:00	9	13	5	22.26	-	22.26
09/13/2017 6:00	9	13	6	26.05	-	26.05
09/13/2017 7:00	9	13	7	25.32	-	25.32
09/13/2017 8:00	9	13	8	25.12	25.12	-
09/13/2017 9:00	9	13	9	27.55	27.55	-
09/13/2017 10:00	9	13	10	30.04	30.04	-
09/13/2017 11:00	9	13	11	33.46	33.46	-
09/13/2017 12:00	9	13	12	33.82	33.82	-
09/13/2017 13:00	9	13	13	34.63	34.63	-
09/13/2017 14:00	9	13	14	36.06	36.06	-
09/13/2017 15:00	9	13	15	37.06	37.06	-
09/13/2017 16:00	9	13	16	39.21	39.21	-
09/13/2017 17:00	9	13	17	35.79	-	35.79
09/13/2017 18:00	9	13	18	34.27	-	34.27
09/13/2017 19:00	9	13	19	35.46	-	35.46
09/13/2017 20:00	9	13	20	33.34	-	33.34
09/13/2017 21:00	9	13	21	25.76	-	25.76
09/13/2017 22:00	9	13	22	23.95	-	23.95
09/13/2017 23:00	9	13	23	22.77	-	22.77
09/14/2017 0:00	9	14	0	22.22	-	22.22
09/14/2017 1:00	9	14	1	21.11	-	21.11
09/14/2017 2:00	9	14	2	20.89	-	20.89
09/14/2017 3:00	9	14	3	20.53	-	20.53
09/14/2017 4:00	9	14	4	20.77	-	20.77
09/14/2017 5:00	9	14	5	23.24	-	23.24

09/14/2017 6:00	9	14	6		27.85	-	27.85
09/14/2017 7:00	9	14	7		28.27	-	28.27
09/14/2017 8:00	9	14	8		28.72	28.72	-
09/14/2017 9:00	9	14	9		31.30	31.3	-
09/14/2017 10:00	9	14	10		32.72	32.72	-
09/14/2017 11:00	9	14	11		35.66	35.66	-
09/14/2017 12:00	9	14	12		37.96	37.96	-
09/14/2017 13:00	9	14	13		37.75	37.75	-
09/14/2017 14:00	9	14	14		38.24	38.24	-
09/14/2017 15:00	9	14	15		38.68	38.68	-
09/14/2017 16:00	9	14	16		39.96	39.96	-
09/14/2017 17:00	9	14	17		39.42	-	39.42
09/14/2017 18:00	9	14	18		37.69	-	37.69
09/14/2017 19:00	9	14	19		38.00	-	38
09/14/2017 20:00	9	14	20		37.62	-	37.62
09/14/2017 21:00	9	14	21		30.00	-	30
09/14/2017 22:00	9	14	22		24.63	-	24.63
09/14/2017 23:00	9	14	23		22.91	-	22.91
09/15/2017 0:00	9	15	0		22.01	-	22.01
09/15/2017 1:00	9	15	1		20.36	-	20.36
09/15/2017 2:00	9	15	2		19.35	-	19.35
09/15/2017 3:00	9	15	3		18.99	-	18.99
09/15/2017 4:00	9	15	4		19.62	-	19.62
09/15/2017 5:00	9	15	5		21.98	-	21.98
09/15/2017 6:00	9	15	6		25.06	-	25.06
09/15/2017 7:00	9	15	7		24.86	-	24.86
09/15/2017 8:00	9	15	8		24.90	24.9	-
09/15/2017 9:00	9	15	9		26.93	26.93	-
09/15/2017 10:00	9	15	10		30.51	30.51	-
09/15/2017 11:00	9	15	11		34.75	34.75	-
09/15/2017 12:00	9	15	12		37.51	37.51	-
09/15/2017 13:00	9	15	13		39.82	39.82	-
09/15/2017 14:00	9	15	14		40.75	40.75	-
09/15/2017 15:00	9	15	15		41.04	41.04	-
09/15/2017 16:00	9	15	16		41.58	41.58	-
09/15/2017 17:00	9	15	17		40.20	-	40.2
09/15/2017 18:00	9	15	18		38.83	-	38.83
09/15/2017 19:00	9	15	19		38.43	-	38.43
09/15/2017 20:00	9	15	20		36.29	-	36.29
09/15/2017 21:00	9	15	21		26.79	-	26.79
09/15/2017 22:00	9	15	22		23.38	-	23.38
09/15/2017 23:00	9	15	23		21.80	-	21.8
09/16/2017 0:00	9	16	0	W	22.42	-	22.42
09/16/2017 1:00	9	16	1	W	21.92	-	21.92
09/16/2017 2:00	9	16	2	W	20.82	-	20.82
09/16/2017 3:00	9	16	3	W	20.06	-	20.06
09/16/2017 4:00	9	16	4	W	20.12	-	20.12

09/16/2017 5:00	9	16	5	W	20.80	-	20.8
09/16/2017 6:00	9	16	6	W	22.22	-	22.22
09/16/2017 7:00	9	16	7	W	22.08	-	22.08
09/16/2017 8:00	9	16	8	W	23.89	-	23.89
09/16/2017 9:00	9	16	9	W	26.07	-	26.07
09/16/2017 10:00	9	16	10	W	26.87	-	26.87
09/16/2017 11:00	9	16	11	W	34.04	-	34.04
09/16/2017 12:00	9	16	12	W	37.47	-	37.47
09/16/2017 13:00	9	16	13	W	37.55	-	37.55
09/16/2017 14:00	9	16	14	W	39.73	-	39.73
09/16/2017 15:00	9	16	15	W	40.96	-	40.96
09/16/2017 16:00	9	16	16	W	42.61	-	42.61
09/16/2017 17:00	9	16	17	W	42.35	-	42.35
09/16/2017 18:00	9	16	18	W	36.46	-	36.46
09/16/2017 19:00	9	16	19	W	37.67	-	37.67
09/16/2017 20:00	9	16	20	W	35.66	-	35.66
09/16/2017 21:00	9	16	21	W	30.18	-	30.18
09/16/2017 22:00	9	16	22	W	24.90	-	24.9
09/16/2017 23:00	9	16	23	W	23.21	-	23.21
09/17/2017 0:00	9	17	0	W	23.19	-	23.19
09/17/2017 1:00	9	17	1	W	22.24	-	22.24
09/17/2017 2:00	9	17	2	W	20.55	-	20.55
09/17/2017 3:00	9	17	3	W	19.58	-	19.58
09/17/2017 4:00	9	17	4	W	19.14	-	19.14
09/17/2017 5:00	9	17	5	W	19.69	-	19.69
09/17/2017 6:00	9	17	6	W	20.38	-	20.38
09/17/2017 7:00	9	17	7	W	21.49	-	21.49
09/17/2017 8:00	9	17	8	W	22.92	-	22.92
09/17/2017 9:00	9	17	9	W	25.56	-	25.56
09/17/2017 10:00	9	17	10	W	27.39	-	27.39
09/17/2017 11:00	9	17	11	W	29.73	-	29.73
09/17/2017 12:00	9	17	12	W	35.83	-	35.83
09/17/2017 13:00	9	17	13	W	37.73	-	37.73
09/17/2017 14:00	9	17	14	W	40.26	-	40.26
09/17/2017 15:00	9	17	15	W	40.58	-	40.58
09/17/2017 16:00	9	17	16	W	42.38	-	42.38
09/17/2017 17:00	9	17	17	W	42.45	-	42.45
09/17/2017 18:00	9	17	18	W	39.35	-	39.35
09/17/2017 19:00	9	17	19	W	42.65	-	42.65
09/17/2017 20:00	9	17	20	W	40.15	-	40.15
09/17/2017 21:00	9	17	21	W	32.16	-	32.16
09/17/2017 22:00	9	17	22	W	25.30	-	25.3
09/17/2017 23:00	9	17	23	W	24.25	-	24.25
09/18/2017 0:00	9	18	0		22.61	-	22.61
09/18/2017 1:00	9	18	1		21.34	-	21.34
09/18/2017 2:00	9	18	2		19.79	-	19.79
09/18/2017 3:00	9	18	3		19.43	-	19.43

09/18/2017 4:00	9	18	4	19.95	-	19.95
09/18/2017 5:00	9	18	5	22.67	-	22.67
09/18/2017 6:00	9	18	6	29.25	-	29.25
09/18/2017 7:00	9	18	7	28.08	-	28.08
09/18/2017 8:00	9	18	8	28.24	28.24	-
09/18/2017 9:00	9	18	9	31.98	31.98	-
09/18/2017 10:00	9	18	10	38.22	38.22	-
09/18/2017 11:00	9	18	11	40.16	40.16	-
09/18/2017 12:00	9	18	12	46.84	46.84	-
09/18/2017 13:00	9	18	13	48.38	48.38	-
09/18/2017 14:00	9	18	14	47.78	47.78	-
09/18/2017 15:00	9	18	15	47.82	47.82	-
09/18/2017 16:00	9	18	16	50.83	50.83	-
09/18/2017 17:00	9	18	17	48.38	-	48.38
09/18/2017 18:00	9	18	18	46.37	-	46.37
09/18/2017 19:00	9	18	19	46.14	-	46.14
09/18/2017 20:00	9	18	20	45.63	-	45.63
09/18/2017 21:00	9	18	21	34.19	-	34.19
09/18/2017 22:00	9	18	22	26.11	-	26.11
09/18/2017 23:00	9	18	23	24.04	-	24.04
09/19/2017 0:00	9	19	0	23.30	-	23.3
09/19/2017 1:00	9	19	1	22.49	-	22.49
09/19/2017 2:00	9	19	2	21.39	-	21.39
09/19/2017 3:00	9	19	3	20.95	-	20.95
09/19/2017 4:00	9	19	4	21.68	-	21.68
09/19/2017 5:00	9	19	5	23.57	-	23.57
09/19/2017 6:00	9	19	6	29.15	-	29.15
09/19/2017 7:00	9	19	7	27.81	-	27.81
09/19/2017 8:00	9	19	8	28.31	28.31	-
09/19/2017 9:00	9	19	9	30.67	30.67	-
09/19/2017 10:00	9	19	10	35.31	35.31	-
09/19/2017 11:00	9	19	11	40.27	40.27	-
09/19/2017 12:00	9	19	12	42.53	42.53	-
09/19/2017 13:00	9	19	13	46.00	46	-
09/19/2017 14:00	9	19	14	46.77	46.77	-
09/19/2017 15:00	9	19	15	48.72	48.72	-
09/19/2017 16:00	9	19	16	51.17	51.17	-
09/19/2017 17:00	9	19	17	49.02	-	49.02
09/19/2017 18:00	9	19	18	43.50	-	43.5
09/19/2017 19:00	9	19	19	44.76	-	44.76
09/19/2017 20:00	9	19	20	42.45	-	42.45
09/19/2017 21:00	9	19	21	32.97	-	32.97
09/19/2017 22:00	9	19	22	26.56	-	26.56
09/19/2017 23:00	9	19	23	25.01	-	25.01
09/20/2017 0:00	9	20	0	24.11	-	24.11
09/20/2017 1:00	9	20	1	23.06	-	23.06
09/20/2017 2:00	9	20	2	21.62	-	21.62

09/20/2017 3:00	9	20	3	20.99	-	20.99
09/20/2017 4:00	9	20	4	21.52	-	21.52
09/20/2017 5:00	9	20	5	23.88	-	23.88
09/20/2017 6:00	9	20	6	32.10	-	32.1
09/20/2017 7:00	9	20	7	30.89	-	30.89
09/20/2017 8:00	9	20	8	32.47	32.47	-
09/20/2017 9:00	9	20	9	36.53	36.53	-
09/20/2017 10:00	9	20	10	41.83	41.83	-
09/20/2017 11:00	9	20	11	46.85	46.85	-
09/20/2017 12:00	9	20	12	47.72	47.72	-
09/20/2017 13:00	9	20	13	50.02	50.02	-
09/20/2017 14:00	9	20	14	53.20	53.2	-
09/20/2017 15:00	9	20	15	57.21	57.21	-
09/20/2017 16:00	9	20	16	62.58	62.58	-
09/20/2017 17:00	9	20	17	56.95	-	56.95
09/20/2017 18:00	9	20	18	48.62	-	48.62
09/20/2017 19:00	9	20	19	48.48	-	48.48
09/20/2017 20:00	9	20	20	48.28	-	48.28
09/20/2017 21:00	9	20	21	41.37	-	41.37
09/20/2017 22:00	9	20	22	33.06	-	33.06
09/20/2017 23:00	9	20	23	26.23	-	26.23
09/21/2017 0:00	9	21	0	25.25	-	25.25
09/21/2017 1:00	9	21	1	23.91	-	23.91
09/21/2017 2:00	9	21	2	22.63	-	22.63
09/21/2017 3:00	9	21	3	21.90	-	21.9
09/21/2017 4:00	9	21	4	22.06	-	22.06
09/21/2017 5:00	9	21	5	24.26	-	24.26
09/21/2017 6:00	9	21	6	32.21	-	32.21
09/21/2017 7:00	9	21	7	29.49	-	29.49
09/21/2017 8:00	9	21	8	33.32	33.32	-
09/21/2017 9:00	9	21	9	37.74	37.74	-
09/21/2017 10:00	9	21	10	42.10	42.1	-
09/21/2017 11:00	9	21	11	48.89	48.89	-
09/21/2017 12:00	9	21	12	53.62	53.62	-
09/21/2017 13:00	9	21	13	57.83	57.83	-
09/21/2017 14:00	9	21	14	63.00	63	-
09/21/2017 15:00	9	21	15	67.64	67.64	-
09/21/2017 16:00	9	21	16	76.53	76.53	-
09/21/2017 17:00	9	21	17	64.78	-	64.78
09/21/2017 18:00	9	21	18	54.38	-	54.38
09/21/2017 19:00	9	21	19	53.85	-	53.85
09/21/2017 20:00	9	21	20	50.47	-	50.47
09/21/2017 21:00	9	21	21	41.78	-	41.78
09/21/2017 22:00	9	21	22	34.80	-	34.8
09/21/2017 23:00	9	21	23	26.81	-	26.81
09/22/2017 0:00	9	22	0	24.68	-	24.68
09/22/2017 1:00	9	22	1	23.40	-	23.4

09/22/2017 2:00	9	22	2		22.35	-	22.35
09/22/2017 3:00	9	22	3		21.51	-	21.51
09/22/2017 4:00	9	22	4		21.61	-	21.61
09/22/2017 5:00	9	22	5		23.63	-	23.63
09/22/2017 6:00	9	22	6		31.09	-	31.09
09/22/2017 7:00	9	22	7		31.49	-	31.49
09/22/2017 8:00	9	22	8		35.99	35.99	-
09/22/2017 9:00	9	22	9		40.36	40.36	-
09/22/2017 10:00	9	22	10		46.78	46.78	-
09/22/2017 11:00	9	22	11		52.33	52.33	-
09/22/2017 12:00	9	22	12		64.07	64.07	-
09/22/2017 13:00	9	22	13		90.72	90.72	-
09/22/2017 14:00	9	22	14		99.30	99.3	-
09/22/2017 15:00	9	22	15		111.73	111.73	-
09/22/2017 16:00	9	22	16		109.19	109.19	-
09/22/2017 17:00	9	22	17		95.19	-	95.19
09/22/2017 18:00	9	22	18		69.55	-	69.55
09/22/2017 19:00	9	22	19		59.07	-	59.07
09/22/2017 20:00	9	22	20		53.00	-	53
09/22/2017 21:00	9	22	21		44.18	-	44.18
09/22/2017 22:00	9	22	22		38.11	-	38.11
09/22/2017 23:00	9	22	23		26.92	-	26.92
09/23/2017 0:00	9	23	0	W	24.30	-	24.3
09/23/2017 1:00	9	23	1	W	22.49	-	22.49
09/23/2017 2:00	9	23	2	W	20.90	-	20.9
09/23/2017 3:00	9	23	3	W	20.05	-	20.05
09/23/2017 4:00	9	23	4	W	20.03	-	20.03
09/23/2017 5:00	9	23	5	W	20.18	-	20.18
09/23/2017 6:00	9	23	6	W	21.25	-	21.25
09/23/2017 7:00	9	23	7	W	24.37	-	24.37
09/23/2017 8:00	9	23	8	W	26.56	-	26.56
09/23/2017 9:00	9	23	9	W	32.50	-	32.5
09/23/2017 10:00	9	23	10	W	38.15	-	38.15
09/23/2017 11:00	9	23	11	W	43.48	-	43.48
09/23/2017 12:00	9	23	12	W	50.34	-	50.34
09/23/2017 13:00	9	23	13	W	55.62	-	55.62
09/23/2017 14:00	9	23	14	W	62.42	-	62.42
09/23/2017 15:00	9	23	15	W	68.05	-	68.05
09/23/2017 16:00	9	23	16	W	73.31	-	73.31
09/23/2017 17:00	9	23	17	W	67.52	-	67.52
09/23/2017 18:00	9	23	18	W	53.17	-	53.17
09/23/2017 19:00	9	23	19	W	49.01	-	49.01
09/23/2017 20:00	9	23	20	W	45.33	-	45.33
09/23/2017 21:00	9	23	21	W	40.49	-	40.49
09/23/2017 22:00	9	23	22	W	32.24	-	32.24
09/23/2017 23:00	9	23	23	W	25.07	-	25.07
09/24/2017 0:00	9	24	0	W	22.38	-	22.38



09/24/2017 1:00	9	24	1	W	21.11	-	21.11
09/24/2017 2:00	9	24	2	W	19.80	-	19.8
09/24/2017 3:00	9	24	3	W	18.99	-	18.99
09/24/2017 4:00	9	24	4	W	18.77	-	18.77
09/24/2017 5:00	9	24	5	W	18.97	-	18.97
09/24/2017 6:00	9	24	6	W	19.00	-	19
09/24/2017 7:00	9	24	7	W	20.93	-	20.93
09/24/2017 8:00	9	24	8	W	22.86	-	22.86
09/24/2017 9:00	9	24	9	W	25.95	-	25.95
09/24/2017 10:00	9	24	10	W	31.99	-	31.99
09/24/2017 11:00	9	24	11	W	38.36	-	38.36
09/24/2017 12:00	9	24	12	W	44.75	-	44.75
09/24/2017 13:00	9	24	13	W	50.71	-	50.71
09/24/2017 14:00	9	24	14	W	55.16	-	55.16
09/24/2017 15:00	9	24	15	W	59.44	-	59.44
09/24/2017 16:00	9	24	16	W	71.52	-	71.52
09/24/2017 17:00	9	24	17	W	65.59	-	65.59
09/24/2017 18:00	9	24	18	W	52.45	-	52.45
09/24/2017 19:00	9	24	19	W	52.68	-	52.68
09/24/2017 20:00	9	24	20	W	49.47	-	49.47
09/24/2017 21:00	9	24	21	W	41.45	-	41.45
09/24/2017 22:00	9	24	22	W	35.64	-	35.64
09/24/2017 23:00	9	24	23	W	25.92	-	25.92
09/25/2017 0:00	9	25	0		23.86	-	23.86
09/25/2017 1:00	9	25	1		22.25	-	22.25
09/25/2017 2:00	9	25	2		20.76	-	20.76
09/25/2017 3:00	9	25	3		20.04	-	20.04
09/25/2017 4:00	9	25	4		20.49	-	20.49
09/25/2017 5:00	9	25	5		22.42	-	22.42
09/25/2017 6:00	9	25	6		29.02	-	29.02
09/25/2017 7:00	9	25	7		27.67	-	27.67
09/25/2017 8:00	9	25	8		31.21	31.21	-
09/25/2017 9:00	9	25	9		38.63	38.63	-
09/25/2017 10:00	9	25	10		42.62	42.62	-
09/25/2017 11:00	9	25	11		47.60	47.6	-
09/25/2017 12:00	9	25	12		66.91	66.91	-
09/25/2017 13:00	9	25	13		99.64	99.64	-
09/25/2017 14:00	9	25	14		150.47	150.47	-
09/25/2017 15:00	9	25	15		191.11	191.11	-
09/25/2017 16:00	9	25	16		225.90	225.9	-
09/25/2017 17:00	9	25	17		184.07	-	184.07
09/25/2017 18:00	9	25	18		93.31	-	93.31
09/25/2017 19:00	9	25	19		66.61	-	66.61
09/25/2017 20:00	9	25	20		58.83	-	58.83
09/25/2017 21:00	9	25	21		43.24	-	43.24
09/25/2017 22:00	9	25	22		34.91	-	34.91
09/25/2017 23:00	9	25	23		27.24	-	27.24



09/26/2017 0:00	9	26	0	24.08	-	24.08
09/26/2017 1:00	9	26	1	22.75	-	22.75
09/26/2017 2:00	9	26	2	21.24	-	21.24
09/26/2017 3:00	9	26	3	20.25	-	20.25
09/26/2017 4:00	9	26	4	20.75	-	20.75
09/26/2017 5:00	9	26	5	23.06	-	23.06
09/26/2017 6:00	9	26	6	29.67	-	29.67
09/26/2017 7:00	9	26	7	28.93	-	28.93
09/26/2017 8:00	9	26	8	30.97	30.97	-
09/26/2017 9:00	9	26	9	33.81	33.81	-
09/26/2017 10:00	9	26	10	39.17	39.17	-
09/26/2017 11:00	9	26	11	45.33	45.33	-
09/26/2017 12:00	9	26	12	52.39	52.39	-
09/26/2017 13:00	9	26	13	63.69	63.69	-
09/26/2017 14:00	9	26	14	75.32	75.32	-
09/26/2017 15:00	9	26	15	82.83	82.83	-
09/26/2017 16:00	9	26	16	88.08	88.08	-
09/26/2017 17:00	9	26	17	75.19	-	75.19
09/26/2017 18:00	9	26	18	55.72	-	55.72
09/26/2017 19:00	9	26	19	52.06	-	52.06
09/26/2017 20:00	9	26	20	47.55	-	47.55
09/26/2017 21:00	9	26	21	41.25	-	41.25
09/26/2017 22:00	9	26	22	34.72	-	34.72
09/26/2017 23:00	9	26	23	26.24	-	26.24
09/27/2017 0:00	9	27	0	24.41	-	24.41
09/27/2017 1:00	9	27	1	22.16	-	22.16
09/27/2017 2:00	9	27	2	21.08	-	21.08
09/27/2017 3:00	9	27	3	20.46	-	20.46
09/27/2017 4:00	9	27	4	21.00	-	21
09/27/2017 5:00	9	27	5	22.89	-	22.89
09/27/2017 6:00	9	27	6	27.74	-	27.74
09/27/2017 7:00	9	27	7	28.27	-	28.27
09/27/2017 8:00	9	27	8	29.33	29.33	-
09/27/2017 9:00	9	27	9	33.63	33.63	-
09/27/2017 10:00	9	27	10	39.77	39.77	-
09/27/2017 11:00	9	27	11	46.03	46.03	-
09/27/2017 12:00	9	27	12	47.43	47.43	-
09/27/2017 13:00	9	27	13	54.67	54.67	-
09/27/2017 14:00	9	27	14	61.12	61.12	-
09/27/2017 15:00	9	27	15	65.48	65.48	-
09/27/2017 16:00	9	27	16	72.20	72.2	-
09/27/2017 17:00	9	27	17	62.51	-	62.51
09/27/2017 18:00	9	27	18	50.15	-	50.15
09/27/2017 19:00	9	27	19	47.39	-	47.39
09/27/2017 20:00	9	27	20	42.80	-	42.8
09/27/2017 21:00	9	27	21	38.63	-	38.63
09/27/2017 22:00	9	27	22	28.47	-	28.47

09/27/2017 23:00	9	27	23	24.75	-	24.75
09/28/2017 0:00	9	28	0	23.13	-	23.13
09/28/2017 1:00	9	28	1	21.96	-	21.96
09/28/2017 2:00	9	28	2	20.66	-	20.66
09/28/2017 3:00	9	28	3	20.08	-	20.08
09/28/2017 4:00	9	28	4	20.53	-	20.53
09/28/2017 5:00	9	28	5	22.80	-	22.8
09/28/2017 6:00	9	28	6	27.38	-	27.38
09/28/2017 7:00	9	28	7	26.84	-	26.84
09/28/2017 8:00	9	28	8	27.27	27.27	-
09/28/2017 9:00	9	28	9	30.06	30.06	-
09/28/2017 10:00	9	28	10	32.06	32.06	-
09/28/2017 11:00	9	28	11	33.35	33.35	-
09/28/2017 12:00	9	28	12	33.13	33.13	-
09/28/2017 13:00	9	28	13	33.48	33.48	-
09/28/2017 14:00	9	28	14	35.44	35.44	-
09/28/2017 15:00	9	28	15	37.05	37.05	-
09/28/2017 16:00	9	28	16	37.14	37.14	-
09/28/2017 17:00	9	28	17	33.58	-	33.58
09/28/2017 18:00	9	28	18	31.70	-	31.7
09/28/2017 19:00	9	28	19	31.87	-	31.87
09/28/2017 20:00	9	28	20	30.70	-	30.7
09/28/2017 21:00	9	28	21	25.40	-	25.4
09/28/2017 22:00	9	28	22	23.59	-	23.59
09/28/2017 23:00	9	28	23	21.88	-	21.88
09/29/2017 0:00	9	29	0	21.36	-	21.36
09/29/2017 1:00	9	29	1	19.86	-	19.86
09/29/2017 2:00	9	29	2	19.33	-	19.33
09/29/2017 3:00	9	29	3	18.94	-	18.94
09/29/2017 4:00	9	29	4	19.55	-	19.55
09/29/2017 5:00	9	29	5	21.74	-	21.74
09/29/2017 6:00	9	29	6	25.90	-	25.9
09/29/2017 7:00	9	29	7	26.42	-	26.42
09/29/2017 8:00	9	29	8	26.22	26.22	-
09/29/2017 9:00	9	29	9	27.96	27.96	-
09/29/2017 10:00	9	29	10	30.01	30.01	-
09/29/2017 11:00	9	29	11	30.69	30.69	-
09/29/2017 12:00	9	29	12	30.57	30.57	-
09/29/2017 13:00	9	29	13	30.77	30.77	-
09/29/2017 14:00	9	29	14	30.90	30.9	-
09/29/2017 15:00	9	29	15	30.85	30.85	-
09/29/2017 16:00	9	29	16	30.93	30.93	-
09/29/2017 17:00	9	29	17	30.87	-	30.87
09/29/2017 18:00	9	29	18	30.04	-	30.04
09/29/2017 19:00	9	29	19	30.91	-	30.91
09/29/2017 20:00	9	29	20	29.36	-	29.36
09/29/2017 21:00	9	29	21	25.13	-	25.13

09/29/2017 22:00	9	29	22		23.62	-	23.62
09/29/2017 23:00	9	29	23		20.63	-	20.63
09/30/2017 0:00	9	30	0	W	20.09	-	20.09
09/30/2017 1:00	9	30	1	W	19.11	-	19.11
09/30/2017 2:00	9	30	2	W	18.68	-	18.68
09/30/2017 3:00	9	30	3	W	18.60	-	18.6
09/30/2017 4:00	9	30	4	W	18.63	-	18.63
09/30/2017 5:00	9	30	5	W	18.82	-	18.82
09/30/2017 6:00	9	30	6	W	19.73	-	19.73
09/30/2017 7:00	9	30	7	W	20.84	-	20.84
09/30/2017 8:00	9	30	8	W	23.15	-	23.15
09/30/2017 9:00	9	30	9	W	24.47	-	24.47
09/30/2017 10:00	9	30	10	W	26.18	-	26.18
09/30/2017 11:00	9	30	11	W	26.85	-	26.85
09/30/2017 12:00	9	30	12	W	27.11	-	27.11
09/30/2017 13:00	9	30	13	W	27.44	-	27.44
09/30/2017 14:00	9	30	14	W	27.34	-	27.34
09/30/2017 15:00	9	30	15	W	27.60	-	27.6
09/30/2017 16:00	9	30	16	W	27.97	-	27.97
09/30/2017 17:00	9	30	17	W	27.25	-	27.25
09/30/2017 18:00	9	30	18	W	27.06	-	27.06
09/30/2017 19:00	9	30	19	W	29.31	-	29.31
09/30/2017 20:00	9	30	20	W	27.91	-	27.91
09/30/2017 21:00	9	30	21	W	24.87	-	24.87
09/30/2017 22:00	9	30	22	W	22.02	-	22.02
09/30/2017 23:00	9	30	23	W	19.77	-	19.77
10/01/2017 0:00	10	1	0	W	19.69	-	19.69
10/01/2017 1:00	10	1	1	W	19.07	-	19.07
10/01/2017 2:00	10	1	2	W	18.16	-	18.16
10/01/2017 3:00	10	1	3	W	17.03	-	17.03
10/01/2017 4:00	10	1	4	W	18.00	-	18
10/01/2017 5:00	10	1	5	W	18.45	-	18.45
10/01/2017 6:00	10	1	6	W	18.95	-	18.95
10/01/2017 7:00	10	1	7	W	19.44	-	19.44
10/01/2017 8:00	10	1	8	W	21.53	-	21.53
10/01/2017 9:00	10	1	9	W	22.94	-	22.94
10/01/2017 10:00	10	1	10	W	23.67	-	23.67
10/01/2017 11:00	10	1	11	W	24.40	-	24.4
10/01/2017 12:00	10	1	12	W	24.92	-	24.92
10/01/2017 13:00	10	1	13	W	25.23	-	25.23
10/01/2017 14:00	10	1	14	W	25.39	-	25.39
10/01/2017 15:00	10	1	15	W	25.74	-	25.74
10/01/2017 16:00	10	1	16	W	26.63	-	26.63
10/01/2017 17:00	10	1	17	W	27.03	-	27.03
10/01/2017 18:00	10	1	18	W	27.69	-	27.69
10/01/2017 19:00	10	1	19	W	33.11	-	33.11
10/01/2017 20:00	10	1	20	W	29.44	-	29.44

10/01/2017 21:00	10	1	21	W	26.09	-	26.09
10/01/2017 22:00	10	1	22	W	23.31	-	23.31
10/01/2017 23:00	10	1	23	W	19.55	-	19.55
10/02/2017 0:00	10	2	0		20.48	-	20.48
10/02/2017 1:00	10	2	1		20.05	-	20.05
10/02/2017 2:00	10	2	2		19.18	-	19.18
10/02/2017 3:00	10	2	3		18.97	-	18.97
10/02/2017 4:00	10	2	4		20.14	-	20.14
10/02/2017 5:00	10	2	5		23.47	-	23.47
10/02/2017 6:00	10	2	6		28.18	-	28.18
10/02/2017 7:00	10	2	7		27.25	-	27.25
10/02/2017 8:00	10	2	8		28.44	28.44	-
10/02/2017 9:00	10	2	9		29.80	29.8	-
10/02/2017 10:00	10	2	10		32.06	32.06	-
10/02/2017 11:00	10	2	11		33.82	33.82	-
10/02/2017 12:00	10	2	12		36.59	36.59	-
10/02/2017 13:00	10	2	13		41.42	41.42	-
10/02/2017 14:00	10	2	14		39.32	39.32	-
10/02/2017 15:00	10	2	15		40.05	40.05	-
10/02/2017 16:00	10	2	16		39.61	39.61	-
10/02/2017 17:00	10	2	17		37.98	-	37.98
10/02/2017 18:00	10	2	18		36.14	-	36.14
10/02/2017 19:00	10	2	19		38.10	-	38.1
10/02/2017 20:00	10	2	20		34.08	-	34.08
10/02/2017 21:00	10	2	21		29.24	-	29.24
10/02/2017 22:00	10	2	22		24.75	-	24.75
10/02/2017 23:00	10	2	23		23.70	-	23.7
10/03/2017 0:00	10	3	0		20.16	-	20.16
10/03/2017 1:00	10	3	1		18.91	-	18.91
10/03/2017 2:00	10	3	2		18.67	-	18.67
10/03/2017 3:00	10	3	3		18.46	-	18.46
10/03/2017 4:00	10	3	4		19.11	-	19.11
10/03/2017 5:00	10	3	5		21.72	-	21.72
10/03/2017 6:00	10	3	6		26.65	-	26.65
10/03/2017 7:00	10	3	7		26.00	-	26
10/03/2017 8:00	10	3	8		26.46	26.46	-
10/03/2017 9:00	10	3	9		28.33	28.33	-
10/03/2017 10:00	10	3	10		31.98	31.98	-
10/03/2017 11:00	10	3	11		33.87	33.87	-
10/03/2017 12:00	10	3	12		37.00	37	-
10/03/2017 13:00	10	3	13		39.26	39.26	-
10/03/2017 14:00	10	3	14		40.78	40.78	-
10/03/2017 15:00	10	3	15		41.20	41.2	-
10/03/2017 16:00	10	3	16		44.89	44.89	-
10/03/2017 17:00	10	3	17		42.95	-	42.95
10/03/2017 18:00	10	3	18		40.48	-	40.48
10/03/2017 19:00	10	3	19		41.42	-	41.42

10/03/2017 20:00	10	3	20	40.00	-	40
10/03/2017 21:00	10	3	21	30.43	-	30.43
10/03/2017 22:00	10	3	22	24.68	-	24.68
10/03/2017 23:00	10	3	23	23.20	-	23.2
10/04/2017 0:00	10	4	0	22.51	-	22.51
10/04/2017 1:00	10	4	1	21.47	-	21.47
10/04/2017 2:00	10	4	2	20.52	-	20.52
10/04/2017 3:00	10	4	3	19.99	-	19.99
10/04/2017 4:00	10	4	4	20.71	-	20.71
10/04/2017 5:00	10	4	5	23.31	-	23.31
10/04/2017 6:00	10	4	6	26.54	-	26.54
10/04/2017 7:00	10	4	7	25.96	-	25.96
10/04/2017 8:00	10	4	8	26.42	26.42	-
10/04/2017 9:00	10	4	9	28.42	28.42	-
10/04/2017 10:00	10	4	10	31.32	31.32	-
10/04/2017 11:00	10	4	11	33.00	33	-
10/04/2017 12:00	10	4	12	38.79	38.79	-
10/04/2017 13:00	10	4	13	41.06	41.06	-
10/04/2017 14:00	10	4	14	42.69	42.69	-
10/04/2017 15:00	10	4	15	44.11	44.11	-
10/04/2017 16:00	10	4	16	48.74	48.74	-
10/04/2017 17:00	10	4	17	45.09	-	45.09
10/04/2017 18:00	10	4	18	41.15	-	41.15
10/04/2017 19:00	10	4	19	43.02	-	43.02
10/04/2017 20:00	10	4	20	39.95	-	39.95
10/04/2017 21:00	10	4	21	31.42	-	31.42
10/04/2017 22:00	10	4	22	25.74	-	25.74
10/04/2017 23:00	10	4	23	24.04	-	24.04
10/05/2017 0:00	10	5	0	23.23	-	23.23
10/05/2017 1:00	10	5	1	22.10	-	22.1
10/05/2017 2:00	10	5	2	21.14	-	21.14
10/05/2017 3:00	10	5	3	20.52	-	20.52
10/05/2017 4:00	10	5	4	21.43	-	21.43
10/05/2017 5:00	10	5	5	23.82	-	23.82
10/05/2017 6:00	10	5	6	28.63	-	28.63
10/05/2017 7:00	10	5	7	30.71	-	30.71
10/05/2017 8:00	10	5	8	30.62	30.62	-
10/05/2017 9:00	10	5	9	32.45	32.45	-
10/05/2017 10:00	10	5	10	34.52	34.52	-
10/05/2017 11:00	10	5	11	37.46	37.46	-
10/05/2017 12:00	10	5	12	41.68	41.68	-
10/05/2017 13:00	10	5	13	43.88	43.88	-
10/05/2017 14:00	10	5	14	45.78	45.78	-
10/05/2017 15:00	10	5	15	46.82	46.82	-
10/05/2017 16:00	10	5	16	53.27	53.27	-
10/05/2017 17:00	10	5	17	48.65	-	48.65
10/05/2017 18:00	10	5	18	45.95	-	45.95

10/05/2017 19:00	10	5	19		53.45	-	53.45
10/05/2017 20:00	10	5	20		43.40	-	43.4
10/05/2017 21:00	10	5	21		35.46	-	35.46
10/05/2017 22:00	10	5	22		28.90	-	28.9
10/05/2017 23:00	10	5	23		25.20	-	25.2
10/06/2017 0:00	10	6	0		25.38	-	25.38
10/06/2017 1:00	10	6	1		23.44	-	23.44
10/06/2017 2:00	10	6	2		22.50	-	22.5
10/06/2017 3:00	10	6	3		21.99	-	21.99
10/06/2017 4:00	10	6	4		22.71	-	22.71
10/06/2017 5:00	10	6	5		25.06	-	25.06
10/06/2017 6:00	10	6	6		32.07	-	32.07
10/06/2017 7:00	10	6	7		31.43	-	31.43
10/06/2017 8:00	10	6	8		31.56	31.56	-
10/06/2017 9:00	10	6	9		33.82	33.82	-
10/06/2017 10:00	10	6	10		39.40	39.4	-
10/06/2017 11:00	10	6	11		42.72	42.72	-
10/06/2017 12:00	10	6	12		44.89	44.89	-
10/06/2017 13:00	10	6	13		46.14	46.14	-
10/06/2017 14:00	10	6	14		51.00	51	-
10/06/2017 15:00	10	6	15		52.35	52.35	-
10/06/2017 16:00	10	6	16		55.60	55.6	-
10/06/2017 17:00	10	6	17		49.28	-	49.28
10/06/2017 18:00	10	6	18		43.92	-	43.92
10/06/2017 19:00	10	6	19		45.16	-	45.16
10/06/2017 20:00	10	6	20		43.57	-	43.57
10/06/2017 21:00	10	6	21		34.24	-	34.24
10/06/2017 22:00	10	6	22		28.81	-	28.81
10/06/2017 23:00	10	6	23		26.36	-	26.36
10/07/2017 0:00	10	7	0	W	26.94	-	26.94
10/07/2017 1:00	10	7	1	W	24.38	-	24.38
10/07/2017 2:00	10	7	2	W	23.22	-	23.22
10/07/2017 3:00	10	7	3	W	22.39	-	22.39
10/07/2017 4:00	10	7	4	W	22.11	-	22.11
10/07/2017 5:00	10	7	5	W	22.41	-	22.41
10/07/2017 6:00	10	7	6	W	23.12	-	23.12
10/07/2017 7:00	10	7	7	W	24.48	-	24.48
10/07/2017 8:00	10	7	8	W	25.77	-	25.77
10/07/2017 9:00	10	7	9	W	30.04	-	30.04
10/07/2017 10:00	10	7	10	W	34.16	-	34.16
10/07/2017 11:00	10	7	11	W	37.71	-	37.71
10/07/2017 12:00	10	7	12	W	41.52	-	41.52
10/07/2017 13:00	10	7	13	W	42.65	-	42.65
10/07/2017 14:00	10	7	14	W	46.16	-	46.16
10/07/2017 15:00	10	7	15	W	50.31	-	50.31
10/07/2017 16:00	10	7	16	W	51.47	-	51.47
10/07/2017 17:00	10	7	17	W	49.95	-	49.95

10/07/2017 18:00	10	7	18	W	45.35	-	45.35
10/07/2017 19:00	10	7	19	W	48.88	-	48.88
10/07/2017 20:00	10	7	20	W	42.73	-	42.73
10/07/2017 21:00	10	7	21	W	36.32	-	36.32
10/07/2017 22:00	10	7	22	W	29.80	-	29.8
10/07/2017 23:00	10	7	23	W	26.73	-	26.73
10/08/2017 0:00	10	8	0	W	23.95	-	23.95
10/08/2017 1:00	10	8	1	W	22.70	-	22.7
10/08/2017 2:00	10	8	2	W	21.99	-	21.99
10/08/2017 3:00	10	8	3	W	21.20	-	21.2
10/08/2017 4:00	10	8	4	W	21.09	-	21.09
10/08/2017 5:00	10	8	5	W	21.50	-	21.5
10/08/2017 6:00	10	8	6	W	22.32	-	22.32
10/08/2017 7:00	10	8	7	W	23.19	-	23.19
10/08/2017 8:00	10	8	8	W	24.46	-	24.46
10/08/2017 9:00	10	8	9	W	26.75	-	26.75
10/08/2017 10:00	10	8	10	W	30.25	-	30.25
10/08/2017 11:00	10	8	11	W	33.16	-	33.16
10/08/2017 12:00	10	8	12	W	34.95	-	34.95
10/08/2017 13:00	10	8	13	W	39.78	-	39.78
10/08/2017 14:00	10	8	14	W	40.47	-	40.47
10/08/2017 15:00	10	8	15	W	42.10	-	42.1
10/08/2017 16:00	10	8	16	W	45.77	-	45.77
10/08/2017 17:00	10	8	17	W	45.04	-	45.04
10/08/2017 18:00	10	8	18	W	44.87	-	44.87
10/08/2017 19:00	10	8	19	W	52.91	-	52.91
10/08/2017 20:00	10	8	20	W	45.99	-	45.99
10/08/2017 21:00	10	8	21	W	40.16	-	40.16
10/08/2017 22:00	10	8	22	W	29.80	-	29.8
10/08/2017 23:00	10	8	23	W	25.85	-	25.85
10/09/2017 0:00	10	9	0		24.42	-	24.42
10/09/2017 1:00	10	9	1		23.08	-	23.08
10/09/2017 2:00	10	9	2		22.67	-	22.67
10/09/2017 3:00	10	9	3		22.62	-	22.62
10/09/2017 4:00	10	9	4		22.65	-	22.65
10/09/2017 5:00	10	9	5		23.79	-	23.79
10/09/2017 6:00	10	9	6		31.29	-	31.29
10/09/2017 7:00	10	9	7		30.40	-	30.4
10/09/2017 8:00	10	9	8		30.66	30.66	-
10/09/2017 9:00	10	9	9		36.10	36.1	-
10/09/2017 10:00	10	9	10		40.82	40.82	-
10/09/2017 11:00	10	9	11		41.23	41.23	-
10/09/2017 12:00	10	9	12		41.84	41.84	-
10/09/2017 13:00	10	9	13		42.26	42.26	-
10/09/2017 14:00	10	9	14		43.94	43.94	-
10/09/2017 15:00	10	9	15		44.90	44.9	-
10/09/2017 16:00	10	9	16		49.13	49.13	-



10/09/2017 17:00	10	9	17	46.60	-	46.6
10/09/2017 18:00	10	9	18	44.89	-	44.89
10/09/2017 19:00	10	9	19	51.54	-	51.54
10/09/2017 20:00	10	9	20	42.90	-	42.9
10/09/2017 21:00	10	9	21	37.34	-	37.34
10/09/2017 22:00	10	9	22	30.36	-	30.36
10/09/2017 23:00	10	9	23	26.53	-	26.53
10/10/2017 0:00	10	10	0	25.72	-	25.72
10/10/2017 1:00	10	10	1	24.55	-	24.55
10/10/2017 2:00	10	10	2	23.82	-	23.82
10/10/2017 3:00	10	10	3	23.47	-	23.47
10/10/2017 4:00	10	10	4	23.80	-	23.8
10/10/2017 5:00	10	10	5	26.79	-	26.79
10/10/2017 6:00	10	10	6	33.27	-	33.27
10/10/2017 7:00	10	10	7	35.12	-	35.12
10/10/2017 8:00	10	10	8	36.20	36.2	-
10/10/2017 9:00	10	10	9	37.86	37.86	-
10/10/2017 10:00	10	10	10	42.08	42.08	-
10/10/2017 11:00	10	10	11	43.61	43.61	-
10/10/2017 12:00	10	10	12	45.36	45.36	-
10/10/2017 13:00	10	10	13	47.21	47.21	-
10/10/2017 14:00	10	10	14	49.84	49.84	-
10/10/2017 15:00	10	10	15	50.37	50.37	-
10/10/2017 16:00	10	10	16	52.56	52.56	-
10/10/2017 17:00	10	10	17	48.12	-	48.12
10/10/2017 18:00	10	10	18	47.00	-	47
10/10/2017 19:00	10	10	19	46.15	-	46.15
10/10/2017 20:00	10	10	20	40.57	-	40.57
10/10/2017 21:00	10	10	21	35.17	-	35.17
10/10/2017 22:00	10	10	22	28.86	-	28.86
10/10/2017 23:00	10	10	23	24.80	-	24.8
10/11/2017 0:00	10	11	0	23.81	-	23.81
10/11/2017 1:00	10	11	1	23.48	-	23.48
10/11/2017 2:00	10	11	2	22.59	-	22.59
10/11/2017 3:00	10	11	3	22.37	-	22.37
10/11/2017 4:00	10	11	4	22.51	-	22.51
10/11/2017 5:00	10	11	5	24.02	-	24.02
10/11/2017 6:00	10	11	6	32.26	-	32.26
10/11/2017 7:00	10	11	7	30.91	-	30.91
10/11/2017 8:00	10	11	8	30.40	30.4	-
10/11/2017 9:00	10	11	9	31.66	31.66	-
10/11/2017 10:00	10	11	10	34.46	34.46	-
10/11/2017 11:00	10	11	11	35.17	35.17	-
10/11/2017 12:00	10	11	12	35.11	35.11	-
10/11/2017 13:00	10	11	13	37.36	37.36	-
10/11/2017 14:00	10	11	14	38.79	38.79	-
10/11/2017 15:00	10	11	15	38.49	38.49	-



10/11/2017 16:00	10	11	16	39.73	39.73	-
10/11/2017 17:00	10	11	17	38.15	-	38.15
10/11/2017 18:00	10	11	18	38.08	-	38.08
10/11/2017 19:00	10	11	19	40.47	-	40.47
10/11/2017 20:00	10	11	20	36.30	-	36.3
10/11/2017 21:00	10	11	21	30.87	-	30.87
10/11/2017 22:00	10	11	22	25.53	-	25.53
10/11/2017 23:00	10	11	23	23.90	-	23.9
10/12/2017 0:00	10	12	0	22.81	-	22.81
10/12/2017 1:00	10	12	1	22.46	-	22.46
10/12/2017 2:00	10	12	2	22.26	-	22.26
10/12/2017 3:00	10	12	3	22.11	-	22.11
10/12/2017 4:00	10	12	4	22.30	-	22.3
10/12/2017 5:00	10	12	5	23.29	-	23.29
10/12/2017 6:00	10	12	6	29.23	-	29.23
10/12/2017 7:00	10	12	7	29.18	-	29.18
10/12/2017 8:00	10	12	8	28.22	28.22	-
10/12/2017 9:00	10	12	9	30.30	30.3	-
10/12/2017 10:00	10	12	10	31.66	31.66	-
10/12/2017 11:00	10	12	11	31.89	31.89	-
10/12/2017 12:00	10	12	12	32.79	32.79	-
10/12/2017 13:00	10	12	13	33.43	33.43	-
10/12/2017 14:00	10	12	14	33.78	33.78	-
10/12/2017 15:00	10	12	15	31.90	31.9	-
10/12/2017 16:00	10	12	16	31.79	31.79	-
10/12/2017 17:00	10	12	17	31.67	-	31.67
10/12/2017 18:00	10	12	18	33.82	-	33.82
10/12/2017 19:00	10	12	19	37.60	-	37.6
10/12/2017 20:00	10	12	20	32.19	-	32.19
10/12/2017 21:00	10	12	21	28.32	-	28.32
10/12/2017 22:00	10	12	22	24.36	-	24.36
10/12/2017 23:00	10	12	23	22.61	-	22.61
10/13/2017 0:00	10	13	0	23.14	-	23.14
10/13/2017 1:00	10	13	1	22.36	-	22.36
10/13/2017 2:00	10	13	2	22.32	-	22.32
10/13/2017 3:00	10	13	3	22.14	-	22.14
10/13/2017 4:00	10	13	4	22.35	-	22.35
10/13/2017 5:00	10	13	5	23.54	-	23.54
10/13/2017 6:00	10	13	6	31.09	-	31.09
10/13/2017 7:00	10	13	7	31.42	-	31.42
10/13/2017 8:00	10	13	8	29.75	29.75	-
10/13/2017 9:00	10	13	9	32.07	32.07	-
10/13/2017 10:00	10	13	10	32.34	32.34	-
10/13/2017 11:00	10	13	11	32.81	32.81	-
10/13/2017 12:00	10	13	12	33.62	33.62	-
10/13/2017 13:00	10	13	13	34.41	34.41	-
10/13/2017 14:00	10	13	14	34.70	34.7	-

10/13/2017 15:00	10	13	15		34.90	34.9	-
10/13/2017 16:00	10	13	16		33.65	33.65	-
10/13/2017 17:00	10	13	17		33.08	-	33.08
10/13/2017 18:00	10	13	18		32.99	-	32.99
10/13/2017 19:00	10	13	19		37.10	-	37.1
10/13/2017 20:00	10	13	20		31.22	-	31.22
10/13/2017 21:00	10	13	21		27.67	-	27.67
10/13/2017 22:00	10	13	22		24.62	-	24.62
10/13/2017 23:00	10	13	23		23.01	-	23.01
10/14/2017 0:00	10	14	0	W	22.61	-	22.61
10/14/2017 1:00	10	14	1	W	22.35	-	22.35
10/14/2017 2:00	10	14	2	W	21.56	-	21.56
10/14/2017 3:00	10	14	3	W	21.26	-	21.26
10/14/2017 4:00	10	14	4	W	21.24	-	21.24
10/14/2017 5:00	10	14	5	W	21.91	-	21.91
10/14/2017 6:00	10	14	6	W	22.56	-	22.56
10/14/2017 7:00	10	14	7	W	23.88	-	23.88
10/14/2017 8:00	10	14	8	W	25.38	-	25.38
10/14/2017 9:00	10	14	9	W	27.61	-	27.61
10/14/2017 10:00	10	14	10	W	29.70	-	29.7
10/14/2017 11:00	10	14	11	W	30.68	-	30.68
10/14/2017 12:00	10	14	12	W	33.62	-	33.62
10/14/2017 13:00	10	14	13	W	33.50	-	33.5
10/14/2017 14:00	10	14	14	W	33.46	-	33.46
10/14/2017 15:00	10	14	15	W	33.18	-	33.18
10/14/2017 16:00	10	14	16	W	33.92	-	33.92
10/14/2017 17:00	10	14	17	W	33.81	-	33.81
10/14/2017 18:00	10	14	18	W	34.24	-	34.24
10/14/2017 19:00	10	14	19	W	35.55	-	35.55
10/14/2017 20:00	10	14	20	W	32.98	-	32.98
10/14/2017 21:00	10	14	21	W	29.54	-	29.54
10/14/2017 22:00	10	14	22	W	25.29	-	25.29
10/14/2017 23:00	10	14	23	W	23.59	-	23.59
10/15/2017 0:00	10	15	0	W	22.63	-	22.63
10/15/2017 1:00	10	15	1	W	21.42	-	21.42
10/15/2017 2:00	10	15	2	W	21.22	-	21.22
10/15/2017 3:00	10	15	3	W	20.21	-	20.21
10/15/2017 4:00	10	15	4	W	20.17	-	20.17
10/15/2017 5:00	10	15	5	W	20.49	-	20.49
10/15/2017 6:00	10	15	6	W	21.21	-	21.21
10/15/2017 7:00	10	15	7	W	21.65	-	21.65
10/15/2017 8:00	10	15	8	W	23.43	-	23.43
10/15/2017 9:00	10	15	9	W	24.94	-	24.94
10/15/2017 10:00	10	15	10	W	27.11	-	27.11
10/15/2017 11:00	10	15	11	W	28.72	-	28.72
10/15/2017 12:00	10	15	12	W	30.07	-	30.07
10/15/2017 13:00	10	15	13	W	30.86	-	30.86

10/15/2017 14:00	10	15	14	W	32.11	-	32.11
10/15/2017 15:00	10	15	15	W	32.31	-	32.31
10/15/2017 16:00	10	15	16	W	33.76	-	33.76
10/15/2017 17:00	10	15	17	W	34.75	-	34.75
10/15/2017 18:00	10	15	18	W	38.10	-	38.1
10/15/2017 19:00	10	15	19	W	39.90	-	39.9
10/15/2017 20:00	10	15	20	W	35.03	-	35.03
10/15/2017 21:00	10	15	21	W	30.92	-	30.92
10/15/2017 22:00	10	15	22	W	25.55	-	25.55
10/15/2017 23:00	10	15	23	W	24.05	-	24.05
10/16/2017 0:00	10	16	0		23.79	-	23.79
10/16/2017 1:00	10	16	1		22.96	-	22.96
10/16/2017 2:00	10	16	2		22.62	-	22.62
10/16/2017 3:00	10	16	3		22.48	-	22.48
10/16/2017 4:00	10	16	4		23.31	-	23.31
10/16/2017 5:00	10	16	5		25.56	-	25.56
10/16/2017 6:00	10	16	6		34.48	-	34.48
10/16/2017 7:00	10	16	7		34.89	-	34.89
10/16/2017 8:00	10	16	8		32.49	32.49	-
10/16/2017 9:00	10	16	9		34.95	34.95	-
10/16/2017 10:00	10	16	10		35.41	35.41	-
10/16/2017 11:00	10	16	11		35.30	35.3	-
10/16/2017 12:00	10	16	12		35.26	35.26	-
10/16/2017 13:00	10	16	13		35.95	35.95	-
10/16/2017 14:00	10	16	14		35.26	35.26	-
10/16/2017 15:00	10	16	15		33.74	33.74	-
10/16/2017 16:00	10	16	16		32.32	32.32	-
10/16/2017 17:00	10	16	17		33.35	-	33.35
10/16/2017 18:00	10	16	18		39.48	-	39.48
10/16/2017 19:00	10	16	19		43.06	-	43.06
10/16/2017 20:00	10	16	20		35.57	-	35.57
10/16/2017 21:00	10	16	21		29.79	-	29.79
10/16/2017 22:00	10	16	22		25.24	-	25.24
10/16/2017 23:00	10	16	23		23.90	-	23.9
10/17/2017 0:00	10	17	0		23.91	-	23.91
10/17/2017 1:00	10	17	1		23.20	-	23.2
10/17/2017 2:00	10	17	2		22.78	-	22.78
10/17/2017 3:00	10	17	3		22.76	-	22.76
10/17/2017 4:00	10	17	4		23.67	-	23.67
10/17/2017 5:00	10	17	5		26.90	-	26.9
10/17/2017 6:00	10	17	6		38.16	-	38.16
10/17/2017 7:00	10	17	7		43.98	-	43.98
10/17/2017 8:00	10	17	8		37.86	37.86	-
10/17/2017 9:00	10	17	9		36.66	36.66	-
10/17/2017 10:00	10	17	10		38.88	38.88	-
10/17/2017 11:00	10	17	11		35.07	35.07	-
10/17/2017 12:00	10	17	12		33.95	33.95	-

10/17/2017 13:00	10	17	13	32.55	32.55	-
10/17/2017 14:00	10	17	14	32.23	32.23	-
10/17/2017 15:00	10	17	15	31.95	31.95	-
10/17/2017 16:00	10	17	16	31.53	31.53	-
10/17/2017 17:00	10	17	17	31.94	-	31.94
10/17/2017 18:00	10	17	18	38.83	-	38.83
10/17/2017 19:00	10	17	19	42.47	-	42.47
10/17/2017 20:00	10	17	20	35.97	-	35.97
10/17/2017 21:00	10	17	21	29.92	-	29.92
10/17/2017 22:00	10	17	22	25.30	-	25.3
10/17/2017 23:00	10	17	23	23.62	-	23.62
10/18/2017 0:00	10	18	0	22.73	-	22.73
10/18/2017 1:00	10	18	1	22.50	-	22.5
10/18/2017 2:00	10	18	2	22.13	-	22.13
10/18/2017 3:00	10	18	3	22.13	-	22.13
10/18/2017 4:00	10	18	4	22.63	-	22.63
10/18/2017 5:00	10	18	5	25.58	-	25.58
10/18/2017 6:00	10	18	6	41.23	-	41.23
10/18/2017 7:00	10	18	7	38.13	-	38.13
10/18/2017 8:00	10	18	8	33.73	33.73	-
10/18/2017 9:00	10	18	9	33.36	33.36	-
10/18/2017 10:00	10	18	10	32.93	32.93	-
10/18/2017 11:00	10	18	11	32.11	32.11	-
10/18/2017 12:00	10	18	12	31.98	31.98	-
10/18/2017 13:00	10	18	13	30.85	30.85	-
10/18/2017 14:00	10	18	14	31.24	31.24	-
10/18/2017 15:00	10	18	15	29.38	29.38	-
10/18/2017 16:00	10	18	16	29.41	29.41	-
10/18/2017 17:00	10	18	17	29.38	-	29.38
10/18/2017 18:00	10	18	18	33.66	-	33.66
10/18/2017 19:00	10	18	19	36.17	-	36.17
10/18/2017 20:00	10	18	20	30.31	-	30.31
10/18/2017 21:00	10	18	21	26.65	-	26.65
10/18/2017 22:00	10	18	22	23.85	-	23.85
10/18/2017 23:00	10	18	23	22.55	-	22.55
10/19/2017 0:00	10	19	0	21.27	-	21.27
10/19/2017 1:00	10	19	1	20.31	-	20.31
10/19/2017 2:00	10	19	2	19.41	-	19.41
10/19/2017 3:00	10	19	3	19.28	-	19.28
10/19/2017 4:00	10	19	4	20.69	-	20.69
10/19/2017 5:00	10	19	5	22.64	-	22.64
10/19/2017 6:00	10	19	6	36.69	-	36.69
10/19/2017 7:00	10	19	7	33.59	-	33.59
10/19/2017 8:00	10	19	8	30.60	30.6	-
10/19/2017 9:00	10	19	9	31.29	31.29	-
10/19/2017 10:00	10	19	10	32.63	32.63	-
10/19/2017 11:00	10	19	11	32.61	32.61	-

10/19/2017 12:00	10	19	12		33.47	33.47	-
10/19/2017 13:00	10	19	13		33.72	33.72	-
10/19/2017 14:00	10	19	14		33.76	33.76	-
10/19/2017 15:00	10	19	15		33.71	33.71	-
10/19/2017 16:00	10	19	16		33.66	33.66	-
10/19/2017 17:00	10	19	17		33.02	-	33.02
10/19/2017 18:00	10	19	18		34.00	-	34
10/19/2017 19:00	10	19	19		36.35	-	36.35
10/19/2017 20:00	10	19	20		32.32	-	32.32
10/19/2017 21:00	10	19	21		27.79	-	27.79
10/19/2017 22:00	10	19	22		23.83	-	23.83
10/19/2017 23:00	10	19	23		22.16	-	22.16
10/20/2017 0:00	10	20	0		21.32	-	21.32
10/20/2017 1:00	10	20	1		20.23	-	20.23
10/20/2017 2:00	10	20	2		19.88	-	19.88
10/20/2017 3:00	10	20	3		19.97	-	19.97
10/20/2017 4:00	10	20	4		20.76	-	20.76
10/20/2017 5:00	10	20	5		22.63	-	22.63
10/20/2017 6:00	10	20	6		30.43	-	30.43
10/20/2017 7:00	10	20	7		31.07	-	31.07
10/20/2017 8:00	10	20	8		28.24	28.24	-
10/20/2017 9:00	10	20	9		30.74	30.74	-
10/20/2017 10:00	10	20	10		31.14	31.14	-
10/20/2017 11:00	10	20	11		31.85	31.85	-
10/20/2017 12:00	10	20	12		31.69	31.69	-
10/20/2017 13:00	10	20	13		31.87	31.87	-
10/20/2017 14:00	10	20	14		31.64	31.64	-
10/20/2017 15:00	10	20	15		31.73	31.73	-
10/20/2017 16:00	10	20	16		30.69	30.69	-
10/20/2017 17:00	10	20	17		30.35	-	30.35
10/20/2017 18:00	10	20	18		30.43	-	30.43
10/20/2017 19:00	10	20	19		30.92	-	30.92
10/20/2017 20:00	10	20	20		27.91	-	27.91
10/20/2017 21:00	10	20	21		26.51	-	26.51
10/20/2017 22:00	10	20	22		23.50	-	23.5
10/20/2017 23:00	10	20	23		21.47	-	21.47
10/21/2017 0:00	10	21	0	W	20.19	-	20.19
10/21/2017 1:00	10	21	1	W	18.58	-	18.58
10/21/2017 2:00	10	21	2	W	18.05	-	18.05
10/21/2017 3:00	10	21	3	W	17.58	-	17.58
10/21/2017 4:00	10	21	4	W	18.17	-	18.17
10/21/2017 5:00	10	21	5	W	19.04	-	19.04
10/21/2017 6:00	10	21	6	W	20.93	-	20.93
10/21/2017 7:00	10	21	7	W	21.48	-	21.48
10/21/2017 8:00	10	21	8	W	23.02	-	23.02
10/21/2017 9:00	10	21	9	W	25.48	-	25.48
10/21/2017 10:00	10	21	10	W	26.46	-	26.46

10/21/2017 11:00	10	21	11	W	27.36	-	27.36
10/21/2017 12:00	10	21	12	W	27.78	-	27.78
10/21/2017 13:00	10	21	13	W	28.58	-	28.58
10/21/2017 14:00	10	21	14	W	28.67	-	28.67
10/21/2017 15:00	10	21	15	W	29.57	-	29.57
10/21/2017 16:00	10	21	16	W	30.32	-	30.32
10/21/2017 17:00	10	21	17	W	27.79	-	27.79
10/21/2017 18:00	10	21	18	W	30.64	-	30.64
10/21/2017 19:00	10	21	19	W	30.13	-	30.13
10/21/2017 20:00	10	21	20	W	25.58	-	25.58
10/21/2017 21:00	10	21	21	W	23.69	-	23.69
10/21/2017 22:00	10	21	22	W	21.38	-	21.38
10/21/2017 23:00	10	21	23	W	19.70	-	19.7
10/22/2017 0:00	10	22	0	W	19.26	-	19.26
10/22/2017 1:00	10	22	1	W	18.09	-	18.09
10/22/2017 2:00	10	22	2	W	16.93	-	16.93
10/22/2017 3:00	10	22	3	W	16.32	-	16.32
10/22/2017 4:00	10	22	4	W	16.25	-	16.25
10/22/2017 5:00	10	22	5	W	17.50	-	17.5
10/22/2017 6:00	10	22	6	W	18.84	-	18.84
10/22/2017 7:00	10	22	7	W	19.63	-	19.63
10/22/2017 8:00	10	22	8	W	19.94	-	19.94
10/22/2017 9:00	10	22	9	W	22.11	-	22.11
10/22/2017 10:00	10	22	10	W	22.65	-	22.65
10/22/2017 11:00	10	22	11	W	23.13	-	23.13
10/22/2017 12:00	10	22	12	W	23.94	-	23.94
10/22/2017 13:00	10	22	13	W	24.57	-	24.57
10/22/2017 14:00	10	22	14	W	25.25	-	25.25
10/22/2017 15:00	10	22	15	W	25.88	-	25.88
10/22/2017 16:00	10	22	16	W	27.41	-	27.41
10/22/2017 17:00	10	22	17	W	29.20	-	29.2
10/22/2017 18:00	10	22	18	W	33.50	-	33.5
10/22/2017 19:00	10	22	19	W	40.38	-	40.38
10/22/2017 20:00	10	22	20	W	29.38	-	29.38
10/22/2017 21:00	10	22	21	W	27.12	-	27.12
10/22/2017 22:00	10	22	22	W	22.83	-	22.83
10/22/2017 23:00	10	22	23	W	21.04	-	21.04
10/23/2017 0:00	10	23	0		20.23	-	20.23
10/23/2017 1:00	10	23	1		19.09	-	19.09
10/23/2017 2:00	10	23	2		18.35	-	18.35
10/23/2017 3:00	10	23	3		18.18	-	18.18
10/23/2017 4:00	10	23	4		18.94	-	18.94
10/23/2017 5:00	10	23	5		20.96	-	20.96
10/23/2017 6:00	10	23	6		30.70	-	30.7
10/23/2017 7:00	10	23	7		30.53	-	30.53
10/23/2017 8:00	10	23	8		29.33	29.33	-
10/23/2017 9:00	10	23	9		31.52	31.52	-

10/23/2017 10:00	10	23	10	33.17	33.17	-
10/23/2017 11:00	10	23	11	32.50	32.5	-
10/23/2017 12:00	10	23	12	32.37	32.37	-
10/23/2017 13:00	10	23	13	33.35	33.35	-
10/23/2017 14:00	10	23	14	33.33	33.33	-
10/23/2017 15:00	10	23	15	32.95	32.95	-
10/23/2017 16:00	10	23	16	32.66	32.66	-
10/23/2017 17:00	10	23	17	32.00	-	32
10/23/2017 18:00	10	23	18	37.03	-	37.03
10/23/2017 19:00	10	23	19	43.21	-	43.21
10/23/2017 20:00	10	23	20	31.13	-	31.13
10/23/2017 21:00	10	23	21	28.50	-	28.5
10/23/2017 22:00	10	23	22	23.39	-	23.39
10/23/2017 23:00	10	23	23	21.31	-	21.31
10/24/2017 0:00	10	24	0	21.06	-	21.06
10/24/2017 1:00	10	24	1	20.05	-	20.05
10/24/2017 2:00	10	24	2	19.62	-	19.62
10/24/2017 3:00	10	24	3	19.19	-	19.19
10/24/2017 4:00	10	24	4	20.05	-	20.05
10/24/2017 5:00	10	24	5	22.30	-	22.3
10/24/2017 6:00	10	24	6	34.81	-	34.81
10/24/2017 7:00	10	24	7	34.42	-	34.42
10/24/2017 8:00	10	24	8	32.97	32.97	-
10/24/2017 9:00	10	24	9	34.27	34.27	-
10/24/2017 10:00	10	24	10	34.21	34.21	-
10/24/2017 11:00	10	24	11	34.19	34.19	-
10/24/2017 12:00	10	24	12	34.21	34.21	-
10/24/2017 13:00	10	24	13	33.50	33.5	-
10/24/2017 14:00	10	24	14	33.61	33.61	-
10/24/2017 15:00	10	24	15	33.67	33.67	-
10/24/2017 16:00	10	24	16	33.56	33.56	-
10/24/2017 17:00	10	24	17	34.16	-	34.16
10/24/2017 18:00	10	24	18	44.37	-	44.37
10/24/2017 19:00	10	24	19	45.87	-	45.87
10/24/2017 20:00	10	24	20	33.66	-	33.66
10/24/2017 21:00	10	24	21	30.01	-	30.01
10/24/2017 22:00	10	24	22	25.19	-	25.19
10/24/2017 23:00	10	24	23	22.77	-	22.77
10/25/2017 0:00	10	25	0	22.22	-	22.22
10/25/2017 1:00	10	25	1	21.82	-	21.82
10/25/2017 2:00	10	25	2	21.09	-	21.09
10/25/2017 3:00	10	25	3	20.94	-	20.94
10/25/2017 4:00	10	25	4	21.89	-	21.89
10/25/2017 5:00	10	25	5	24.62	-	24.62
10/25/2017 6:00	10	25	6	36.68	-	36.68
10/25/2017 7:00	10	25	7	37.41	-	37.41
10/25/2017 8:00	10	25	8	33.71	33.71	-

10/25/2017 9:00	10	25	9	34.70	34.7	-
10/25/2017 10:00	10	25	10	36.23	36.23	-
10/25/2017 11:00	10	25	11	34.24	34.24	-
10/25/2017 12:00	10	25	12	31.77	31.77	-
10/25/2017 13:00	10	25	13	31.29	31.29	-
10/25/2017 14:00	10	25	14	30.60	30.6	-
10/25/2017 15:00	10	25	15	30.47	30.47	-
10/25/2017 16:00	10	25	16	30.62	30.62	-
10/25/2017 17:00	10	25	17	32.28	-	32.28
10/25/2017 18:00	10	25	18	43.32	-	43.32
10/25/2017 19:00	10	25	19	46.45	-	46.45
10/25/2017 20:00	10	25	20	35.94	-	35.94
10/25/2017 21:00	10	25	21	33.05	-	33.05
10/25/2017 22:00	10	25	22	26.60	-	26.6
10/25/2017 23:00	10	25	23	24.61	-	24.61
10/26/2017 0:00	10	26	0	23.32	-	23.32
10/26/2017 1:00	10	26	1	22.83	-	22.83
10/26/2017 2:00	10	26	2	22.36	-	22.36
10/26/2017 3:00	10	26	3	22.41	-	22.41
10/26/2017 4:00	10	26	4	23.13	-	23.13
10/26/2017 5:00	10	26	5	26.90	-	26.9
10/26/2017 6:00	10	26	6	41.78	-	41.78
10/26/2017 7:00	10	26	7	41.99	-	41.99
10/26/2017 8:00	10	26	8	38.66	38.66	-
10/26/2017 9:00	10	26	9	37.21	37.21	-
10/26/2017 10:00	10	26	10	37.54	37.54	-
10/26/2017 11:00	10	26	11	32.53	32.53	-
10/26/2017 12:00	10	26	12	29.28	29.28	-
10/26/2017 13:00	10	26	13	28.26	28.26	-
10/26/2017 14:00	10	26	14	27.10	27.1	-
10/26/2017 15:00	10	26	15	26.91	26.91	-
10/26/2017 16:00	10	26	16	27.35	27.35	-
10/26/2017 17:00	10	26	17	28.80	-	28.8
10/26/2017 18:00	10	26	18	38.52	-	38.52
10/26/2017 19:00	10	26	19	39.39	-	39.39
10/26/2017 20:00	10	26	20	33.66	-	33.66
10/26/2017 21:00	10	26	21	28.89	-	28.89
10/26/2017 22:00	10	26	22	24.05	-	24.05
10/26/2017 23:00	10	26	23	23.34	-	23.34
10/27/2017 0:00	10	27	0	23.66	-	23.66
10/27/2017 1:00	10	27	1	23.30	-	23.3
10/27/2017 2:00	10	27	2	23.18	-	23.18
10/27/2017 3:00	10	27	3	23.37	-	23.37
10/27/2017 4:00	10	27	4	23.96	-	23.96
10/27/2017 5:00	10	27	5	28.10	-	28.1
10/27/2017 6:00	10	27	6	40.90	-	40.9
10/27/2017 7:00	10	27	7	41.88	-	41.88



10/27/2017 8:00	10	27	8		37.88	37.88	-
10/27/2017 9:00	10	27	9		34.86	34.86	-
10/27/2017 10:00	10	27	10		34.66	34.66	-
10/27/2017 11:00	10	27	11		31.73	31.73	-
10/27/2017 12:00	10	27	12		29.82	29.82	-
10/27/2017 13:00	10	27	13		28.79	28.79	-
10/27/2017 14:00	10	27	14		27.85	27.85	-
10/27/2017 15:00	10	27	15		26.57	26.57	-
10/27/2017 16:00	10	27	16		27.01	27.01	-
10/27/2017 17:00	10	27	17		28.18	-	28.18
10/27/2017 18:00	10	27	18		34.53	-	34.53
10/27/2017 19:00	10	27	19		34.96	-	34.96
10/27/2017 20:00	10	27	20		30.96	-	30.96
10/27/2017 21:00	10	27	21		26.82	-	26.82
10/27/2017 22:00	10	27	22		23.63	-	23.63
10/27/2017 23:00	10	27	23		22.74	-	22.74
10/28/2017 0:00	10	28	0	W	22.66	-	22.66
10/28/2017 1:00	10	28	1	W	22.51	-	22.51
10/28/2017 2:00	10	28	2	W	21.82	-	21.82
10/28/2017 3:00	10	28	3	W	21.25	-	21.25
10/28/2017 4:00	10	28	4	W	21.54	-	21.54
10/28/2017 5:00	10	28	5	W	22.51	-	22.51
10/28/2017 6:00	10	28	6	W	25.00	-	25
10/28/2017 7:00	10	28	7	W	25.93	-	25.93
10/28/2017 8:00	10	28	8	W	27.85	-	27.85
10/28/2017 9:00	10	28	9	W	31.20	-	31.2
10/28/2017 10:00	10	28	10	W	31.36	-	31.36
10/28/2017 11:00	10	28	11	W	28.90	-	28.9
10/28/2017 12:00	10	28	12	W	27.74	-	27.74
10/28/2017 13:00	10	28	13	W	26.87	-	26.87
10/28/2017 14:00	10	28	14	W	25.70	-	25.7
10/28/2017 15:00	10	28	15	W	25.46	-	25.46
10/28/2017 16:00	10	28	16	W	26.71	-	26.71
10/28/2017 17:00	10	28	17	W	28.63	-	28.63
10/28/2017 18:00	10	28	18	W	37.99	-	37.99
10/28/2017 19:00	10	28	19	W	38.86	-	38.86
10/28/2017 20:00	10	28	20	W	39.43	-	39.43
10/28/2017 21:00	10	28	21	W	30.07	-	30.07
10/28/2017 22:00	10	28	22	W	25.10	-	25.1
10/28/2017 23:00	10	28	23	W	23.62	-	23.62
10/29/2017 0:00	10	29	0	W	22.72	-	22.72
10/29/2017 1:00	10	29	1	W	23.04	-	23.04
10/29/2017 2:00	10	29	2	W	22.34	-	22.34
10/29/2017 3:00	10	29	3	W	22.02	-	22.02
10/29/2017 4:00	10	29	4	W	22.37	-	22.37
10/29/2017 5:00	10	29	5	W	22.74	-	22.74
10/29/2017 6:00	10	29	6	W	23.55	-	23.55

10/29/2017 7:00	10	29	7	W	23.89	-	23.89
10/29/2017 8:00	10	29	8	W	25.58	-	25.58
10/29/2017 9:00	10	29	9	W	28.45	-	28.45
10/29/2017 10:00	10	29	10	W	32.04	-	32.04
10/29/2017 11:00	10	29	11	W	29.81	-	29.81
10/29/2017 12:00	10	29	12	W	27.87	-	27.87
10/29/2017 13:00	10	29	13	W	26.90	-	26.9
10/29/2017 14:00	10	29	14	W	25.58	-	25.58
10/29/2017 15:00	10	29	15	W	25.04	-	25.04
10/29/2017 16:00	10	29	16	W	25.88	-	25.88
10/29/2017 17:00	10	29	17	W	30.69	-	30.69
10/29/2017 18:00	10	29	18	W	39.14	-	39.14
10/29/2017 19:00	10	29	19	W	39.45	-	39.45
10/29/2017 20:00	10	29	20	W	38.66	-	38.66
10/29/2017 21:00	10	29	21	W	30.60	-	30.6
10/29/2017 22:00	10	29	22	W	24.06	-	24.06
10/29/2017 23:00	10	29	23	W	23.46	-	23.46
10/30/2017 0:00	10	30	0		22.77	-	22.77
10/30/2017 1:00	10	30	1		22.68	-	22.68
10/30/2017 2:00	10	30	2		22.26	-	22.26
10/30/2017 3:00	10	30	3		22.32	-	22.32
10/30/2017 4:00	10	30	4		23.28	-	23.28
10/30/2017 5:00	10	30	5		28.31	-	28.31
10/30/2017 6:00	10	30	6		40.99	-	40.99
10/30/2017 7:00	10	30	7		45.98	-	45.98
10/30/2017 8:00	10	30	8		43.29	43.29	-
10/30/2017 9:00	10	30	9		40.00	40	-
10/30/2017 10:00	10	30	10		38.49	38.49	-
10/30/2017 11:00	10	30	11		32.14	32.14	-
10/30/2017 12:00	10	30	12		30.11	30.11	-
10/30/2017 13:00	10	30	13		27.80	27.8	-
10/30/2017 14:00	10	30	14		26.95	26.95	-
10/30/2017 15:00	10	30	15		26.37	26.37	-
10/30/2017 16:00	10	30	16		27.22	27.22	-
10/30/2017 17:00	10	30	17		29.33	-	29.33
10/30/2017 18:00	10	30	18		40.75	-	40.75
10/30/2017 19:00	10	30	19		42.18	-	42.18
10/30/2017 20:00	10	30	20		37.87	-	37.87
10/30/2017 21:00	10	30	21		29.66	-	29.66
10/30/2017 22:00	10	30	22		24.83	-	24.83
10/30/2017 23:00	10	30	23		23.31	-	23.31
10/31/2017 0:00	10	31	0		23.30	-	23.3
10/31/2017 1:00	10	31	1		22.96	-	22.96
10/31/2017 2:00	10	31	2		22.73	-	22.73
10/31/2017 3:00	10	31	3		22.64	-	22.64
10/31/2017 4:00	10	31	4		23.42	-	23.42
10/31/2017 5:00	10	31	5		27.24	-	27.24

10/31/2017 6:00	10	31	6	41.28	-	41.28
10/31/2017 7:00	10	31	7	48.05	-	48.05
10/31/2017 8:00	10	31	8	39.76	39.76	-
10/31/2017 9:00	10	31	9	40.88	40.88	-
10/31/2017 10:00	10	31	10	38.63	38.63	-
10/31/2017 11:00	10	31	11	33.83	33.83	-
10/31/2017 12:00	10	31	12	31.45	31.45	-
10/31/2017 13:00	10	31	13	30.52	30.52	-
10/31/2017 14:00	10	31	14	29.25	29.25	-
10/31/2017 15:00	10	31	15	28.07	28.07	-
10/31/2017 16:00	10	31	16	29.25	29.25	-
10/31/2017 17:00	10	31	17	30.65	-	30.65
10/31/2017 18:00	10	31	18	38.18	-	38.18
10/31/2017 19:00	10	31	19	40.15	-	40.15
10/31/2017 20:00	10	31	20	39.04	-	39.04
10/31/2017 21:00	10	31	21	34.73	-	34.73
10/31/2017 22:00	10	31	22	27.17	-	27.17
10/31/2017 23:00	10	31	23	25.35	-	25.35
11/01/2017 0:00	11	1	0	24.25	-	24.25
11/01/2017 1:00	11	1	1	23.66	-	23.66
11/01/2017 2:00	11	1	2	23.10	-	23.1
11/01/2017 3:00	11	1	3	23.06	-	23.06
11/01/2017 4:00	11	1	4	23.89	-	23.89
11/01/2017 5:00	11	1	5	29.47	-	29.47
11/01/2017 6:00	11	1	6	44.88	-	44.88
11/01/2017 7:00	11	1	7	51.02	-	51.02
11/01/2017 8:00	11	1	8	44.72	44.72	-
11/01/2017 9:00	11	1	9	42.03	42.03	-
11/01/2017 10:00	11	1	10	40.98	40.98	-
11/01/2017 11:00	11	1	11	35.80	35.8	-
11/01/2017 12:00	11	1	12	33.47	33.47	-
11/01/2017 13:00	11	1	13	31.13	31.13	-
11/01/2017 14:00	11	1	14	31.24	31.24	-
11/01/2017 15:00	11	1	15	29.82	29.82	-
11/01/2017 16:00	11	1	16	30.47	30.47	-
11/01/2017 17:00	11	1	17	32.50	-	32.5
11/01/2017 18:00	11	1	18	41.02	-	41.02
11/01/2017 19:00	11	1	19	39.74	-	39.74
11/01/2017 20:00	11	1	20	34.30	-	34.3
11/01/2017 21:00	11	1	21	28.74	-	28.74
11/01/2017 22:00	11	1	22	24.44	-	24.44
11/01/2017 23:00	11	1	23	22.29	-	22.29
11/02/2017 0:00	11	2	0	19.77	-	19.77
11/02/2017 1:00	11	2	1	19.46	-	19.46
11/02/2017 2:00	11	2	2	18.91	-	18.91
11/02/2017 3:00	11	2	3	18.93	-	18.93
11/02/2017 4:00	11	2	4	19.49	-	19.49

11/02/2017 5:00	11	2	5		21.84	-	21.84
11/02/2017 6:00	11	2	6		27.85	-	27.85
11/02/2017 7:00	11	2	7		33.61	-	33.61
11/02/2017 8:00	11	2	8		32.74	32.74	-
11/02/2017 9:00	11	2	9		32.61	32.61	-
11/02/2017 10:00	11	2	10		32.51	32.51	-
11/02/2017 11:00	11	2	11		31.97	31.97	-
11/02/2017 12:00	11	2	12		30.76	30.76	-
11/02/2017 13:00	11	2	13		30.85	30.85	-
11/02/2017 14:00	11	2	14		30.37	30.37	-
11/02/2017 15:00	11	2	15		29.35	29.35	-
11/02/2017 16:00	11	2	16		29.88	29.88	-
11/02/2017 17:00	11	2	17		31.54	-	31.54
11/02/2017 18:00	11	2	18		36.70	-	36.7
11/02/2017 19:00	11	2	19		33.45	-	33.45
11/02/2017 20:00	11	2	20		31.17	-	31.17
11/02/2017 21:00	11	2	21		25.39	-	25.39
11/02/2017 22:00	11	2	22		22.80	-	22.8
11/02/2017 23:00	11	2	23		20.63	-	20.63
11/03/2017 0:00	11	3	0		19.91	-	19.91
11/03/2017 1:00	11	3	1		19.90	-	19.9
11/03/2017 2:00	11	3	2		19.30	-	19.3
11/03/2017 3:00	11	3	3		19.13	-	19.13
11/03/2017 4:00	11	3	4		19.32	-	19.32
11/03/2017 5:00	11	3	5		21.61	-	21.61
11/03/2017 6:00	11	3	6		28.98	-	28.98
11/03/2017 7:00	11	3	7		32.41	-	32.41
11/03/2017 8:00	11	3	8		32.10	32.1	-
11/03/2017 9:00	11	3	9		35.00	35	-
11/03/2017 10:00	11	3	10		34.95	34.95	-
11/03/2017 11:00	11	3	11		34.93	34.93	-
11/03/2017 12:00	11	3	12		34.68	34.68	-
11/03/2017 13:00	11	3	13		33.70	33.7	-
11/03/2017 14:00	11	3	14		33.48	33.48	-
11/03/2017 15:00	11	3	15		31.96	31.96	-
11/03/2017 16:00	11	3	16		31.33	31.33	-
11/03/2017 17:00	11	3	17		31.75	-	31.75
11/03/2017 18:00	11	3	18		35.04	-	35.04
11/03/2017 19:00	11	3	19		33.26	-	33.26
11/03/2017 20:00	11	3	20		30.77	-	30.77
11/03/2017 21:00	11	3	21		25.47	-	25.47
11/03/2017 22:00	11	3	22		22.83	-	22.83
11/03/2017 23:00	11	3	23		20.06	-	20.06
11/04/2017 0:00	11	4	0	W	21.43	-	21.43
11/04/2017 1:00	11	4	1	W	20.55	-	20.55
11/04/2017 2:00	11	4	2	W	20.49	-	20.49
11/04/2017 3:00	11	4	3	W	19.97	-	19.97

11/04/2017 4:00	11	4	4	W	20.39	-	20.39
11/04/2017 5:00	11	4	5	W	20.56	-	20.56
11/04/2017 6:00	11	4	6	W	22.13	-	22.13
11/04/2017 7:00	11	4	7	W	23.17	-	23.17
11/04/2017 8:00	11	4	8	W	24.58	-	24.58
11/04/2017 9:00	11	4	9	W	27.13	-	27.13
11/04/2017 10:00	11	4	10	W	28.59	-	28.59
11/04/2017 11:00	11	4	11	W	26.37	-	26.37
11/04/2017 12:00	11	4	12	W	25.52	-	25.52
11/04/2017 13:00	11	4	13	W	24.53	-	24.53
11/04/2017 14:00	11	4	14	W	23.85	-	23.85
11/04/2017 15:00	11	4	15	W	23.62	-	23.62
11/04/2017 16:00	11	4	16	W	24.36	-	24.36
11/04/2017 17:00	11	4	17	W	26.17	-	26.17
11/04/2017 18:00	11	4	18	W	31.30	-	31.3
11/04/2017 19:00	11	4	19	W	29.28	-	29.28
11/04/2017 20:00	11	4	20	W	26.06	-	26.06
11/04/2017 21:00	11	4	21	W	24.18	-	24.18
11/04/2017 22:00	11	4	22	W	22.71	-	22.71
11/04/2017 23:00	11	4	23	W	20.90	-	20.9
11/05/2017 0:00	11	5	0	W	19.76	-	19.76
11/05/2017 1:00	11	5	1	W	18.62	-	18.62
11/05/2017 1:00	11	5	1	W	18.62	-	18.62
11/05/2017 2:00	11	5	2	W	18.95	-	18.95
11/05/2017 3:00	11	5	3	W	18.50	-	18.5
11/05/2017 4:00	11	5	4	W	18.72	-	18.72
11/05/2017 5:00	11	5	5	W	18.64	-	18.64
11/05/2017 6:00	11	5	6	W	18.40	-	18.4
11/05/2017 7:00	11	5	7	W	18.56	-	18.56
11/05/2017 8:00	11	5	8	W	19.65	-	19.65
11/05/2017 9:00	11	5	9	W	21.05	-	21.05
11/05/2017 10:00	11	5	10	W	22.11	-	22.11
11/05/2017 11:00	11	5	11	W	22.44	-	22.44
11/05/2017 12:00	11	5	12	W	22.85	-	22.85
11/05/2017 13:00	11	5	13	W	22.91	-	22.91
11/05/2017 14:00	11	5	14	W	22.82	-	22.82
11/05/2017 15:00	11	5	15	W	22.78	-	22.78
11/05/2017 16:00	11	5	16	W	23.99	-	23.99
11/05/2017 17:00	11	5	17	W	34.30	-	34.3
11/05/2017 18:00	11	5	18	W	26.82	-	26.82
11/05/2017 19:00	11	5	19	W	26.00	-	26
11/05/2017 20:00	11	5	20	W	25.12	-	25.12
11/05/2017 21:00	11	5	21	W	23.65	-	23.65
11/05/2017 22:00	11	5	22	W	22.01	-	22.01
11/05/2017 23:00	11	5	23	W	21.12	-	21.12
11/06/2017 0:00	11	6	0		19.35	-	19.35
11/06/2017 1:00	11	6	1		19.24	-	19.24

11/06/2017 2:00	11	6	2	18.56	-	18.56
11/06/2017 3:00	11	6	3	18.53	-	18.53
11/06/2017 4:00	11	6	4	19.37	-	19.37
11/06/2017 5:00	11	6	5	22.26	-	22.26
11/06/2017 6:00	11	6	6	27.43	-	27.43
11/06/2017 7:00	11	6	7	29.13	-	29.13
11/06/2017 8:00	11	6	8	30.36	30.36	-
11/06/2017 9:00	11	6	9	32.55	32.55	-
11/06/2017 10:00	11	6	10	32.55	32.55	-
11/06/2017 11:00	11	6	11	33.36	33.36	-
11/06/2017 12:00	11	6	12	32.29	32.29	-
11/06/2017 13:00	11	6	13	32.41	32.41	-
11/06/2017 14:00	11	6	14	31.51	31.51	-
11/06/2017 15:00	11	6	15	31.04	31.04	-
11/06/2017 16:00	11	6	16	31.43	31.43	-
11/06/2017 17:00	11	6	17	44.50	-	44.5
11/06/2017 18:00	11	6	18	39.90	-	39.9
11/06/2017 19:00	11	6	19	33.74	-	33.74
11/06/2017 20:00	11	6	20	32.70	-	32.7
11/06/2017 21:00	11	6	21	26.02	-	26.02
11/06/2017 22:00	11	6	22	23.35	-	23.35
11/06/2017 23:00	11	6	23	21.94	-	21.94
11/07/2017 0:00	11	7	0	22.07	-	22.07
11/07/2017 1:00	11	7	1	21.49	-	21.49
11/07/2017 2:00	11	7	2	20.78	-	20.78
11/07/2017 3:00	11	7	3	20.73	-	20.73
11/07/2017 4:00	11	7	4	21.78	-	21.78
11/07/2017 5:00	11	7	5	24.69	-	24.69
11/07/2017 6:00	11	7	6	32.21	-	32.21
11/07/2017 7:00	11	7	7	33.89	-	33.89
11/07/2017 8:00	11	7	8	34.08	34.08	-
11/07/2017 9:00	11	7	9	36.06	36.06	-
11/07/2017 10:00	11	7	10	36.56	36.56	-
11/07/2017 11:00	11	7	11	35.53	35.53	-
11/07/2017 12:00	11	7	12	35.04	35.04	-
11/07/2017 13:00	11	7	13	34.41	34.41	-
11/07/2017 14:00	11	7	14	33.81	33.81	-
11/07/2017 15:00	11	7	15	34.01	34.01	-
11/07/2017 16:00	11	7	16	36.00	36	-
11/07/2017 17:00	11	7	17	52.05	-	52.05
11/07/2017 18:00	11	7	18	45.05	-	45.05
11/07/2017 19:00	11	7	19	38.43	-	38.43
11/07/2017 20:00	11	7	20	36.89	-	36.89
11/07/2017 21:00	11	7	21	32.22	-	32.22
11/07/2017 22:00	11	7	22	26.56	-	26.56
11/07/2017 23:00	11	7	23	23.56	-	23.56
11/08/2017 0:00	11	8	0	26.91	-	26.91

11/08/2017 1:00	11	8	1	25.10	-	25.1
11/08/2017 2:00	11	8	2	24.59	-	24.59
11/08/2017 3:00	11	8	3	24.81	-	24.81
11/08/2017 4:00	11	8	4	26.41	-	26.41
11/08/2017 5:00	11	8	5	32.98	-	32.98
11/08/2017 6:00	11	8	6	46.11	-	46.11
11/08/2017 7:00	11	8	7	46.83	-	46.83
11/08/2017 8:00	11	8	8	45.97	45.97	-
11/08/2017 9:00	11	8	9	43.88	43.88	-
11/08/2017 10:00	11	8	10	43.16	43.16	-
11/08/2017 11:00	11	8	11	41.93	41.93	-
11/08/2017 12:00	11	8	12	38.69	38.69	-
11/08/2017 13:00	11	8	13	35.58	35.58	-
11/08/2017 14:00	11	8	14	34.54	34.54	-
11/08/2017 15:00	11	8	15	34.21	34.21	-
11/08/2017 16:00	11	8	16	37.22	37.22	-
11/08/2017 17:00	11	8	17	52.58	-	52.58
11/08/2017 18:00	11	8	18	49.45	-	49.45
11/08/2017 19:00	11	8	19	43.75	-	43.75
11/08/2017 20:00	11	8	20	43.91	-	43.91
11/08/2017 21:00	11	8	21	39.23	-	39.23
11/08/2017 22:00	11	8	22	33.43	-	33.43
11/08/2017 23:00	11	8	23	30.34	-	30.34
11/09/2017 0:00	11	9	0	27.06	-	27.06
11/09/2017 1:00	11	9	1	25.49	-	25.49
11/09/2017 2:00	11	9	2	24.52	-	24.52
11/09/2017 3:00	11	9	3	24.57	-	24.57
11/09/2017 4:00	11	9	4	26.02	-	26.02
11/09/2017 5:00	11	9	5	36.68	-	36.68
11/09/2017 6:00	11	9	6	49.68	-	49.68
11/09/2017 7:00	11	9	7	51.94	-	51.94
11/09/2017 8:00	11	9	8	53.85	53.85	-
11/09/2017 9:00	11	9	9	50.29	50.29	-
11/09/2017 10:00	11	9	10	47.33	47.33	-
11/09/2017 11:00	11	9	11	41.72	41.72	-
11/09/2017 12:00	11	9	12	38.54	38.54	-
11/09/2017 13:00	11	9	13	36.77	36.77	-
11/09/2017 14:00	11	9	14	34.30	34.3	-
11/09/2017 15:00	11	9	15	32.97	32.97	-
11/09/2017 16:00	11	9	16	36.05	36.05	-
11/09/2017 17:00	11	9	17	49.54	-	49.54
11/09/2017 18:00	11	9	18	50.22	-	50.22
11/09/2017 19:00	11	9	19	47.71	-	47.71
11/09/2017 20:00	11	9	20	48.08	-	48.08
11/09/2017 21:00	11	9	21	42.51	-	42.51
11/09/2017 22:00	11	9	22	35.96	-	35.96
11/09/2017 23:00	11	9	23	28.27	-	28.27

11/10/2017 0:00	11	10	0		25.29	-	25.29
11/10/2017 1:00	11	10	1		24.43	-	24.43
11/10/2017 2:00	11	10	2		24.35	-	24.35
11/10/2017 3:00	11	10	3		24.65	-	24.65
11/10/2017 4:00	11	10	4		27.17	-	27.17
11/10/2017 5:00	11	10	5		35.51	-	35.51
11/10/2017 6:00	11	10	6		51.89	-	51.89
11/10/2017 7:00	11	10	7		52.58	-	52.58
11/10/2017 8:00	11	10	8		53.78	53.78	-
11/10/2017 9:00	11	10	9		50.07	50.07	-
11/10/2017 10:00	11	10	10		49.96	49.96	-
11/10/2017 11:00	11	10	11		45.32	45.32	-
11/10/2017 12:00	11	10	12		43.37	43.37	-
11/10/2017 13:00	11	10	13		40.90	40.9	-
11/10/2017 14:00	11	10	14		39.54	39.54	-
11/10/2017 15:00	11	10	15		38.77	38.77	-
11/10/2017 16:00	11	10	16		44.46	44.46	-
11/10/2017 17:00	11	10	17		56.73	-	56.73
11/10/2017 18:00	11	10	18		56.47	-	56.47
11/10/2017 19:00	11	10	19		57.70	-	57.7
11/10/2017 20:00	11	10	20		57.17	-	57.17
11/10/2017 21:00	11	10	21		52.16	-	52.16
11/10/2017 22:00	11	10	22		42.34	-	42.34
11/10/2017 23:00	11	10	23		35.54	-	35.54
11/11/2017 0:00	11	11	0	W	37.49	-	37.49
11/11/2017 1:00	11	11	1	W	34.61	-	34.61
11/11/2017 2:00	11	11	2	W	34.01	-	34.01
11/11/2017 3:00	11	11	3	W	34.35	-	34.35
11/11/2017 4:00	11	11	4	W	35.87	-	35.87
11/11/2017 5:00	11	11	5	W	39.90	-	39.9
11/11/2017 6:00	11	11	6	W	48.83	-	48.83
11/11/2017 7:00	11	11	7	W	48.81	-	48.81
11/11/2017 8:00	11	11	8	W	50.21	-	50.21
11/11/2017 9:00	11	11	9	W	47.02	-	47.02
11/11/2017 10:00	11	11	10	W	41.76	-	41.76
11/11/2017 11:00	11	11	11	W	38.00	-	38
11/11/2017 12:00	11	11	12	W	35.62	-	35.62
11/11/2017 13:00	11	11	13	W	33.11	-	33.11
11/11/2017 14:00	11	11	14	W	30.94	-	30.94
11/11/2017 15:00	11	11	15	W	30.81	-	30.81
11/11/2017 16:00	11	11	16	W	33.64	-	33.64
11/11/2017 17:00	11	11	17	W	44.48	-	44.48
11/11/2017 18:00	11	11	18	W	47.28	-	47.28
11/11/2017 19:00	11	11	19	W	45.34	-	45.34
11/11/2017 20:00	11	11	20	W	44.59	-	44.59
11/11/2017 21:00	11	11	21	W	39.67	-	39.67
11/11/2017 22:00	11	11	22	W	35.17	-	35.17



11/11/2017 23:00	11	11	23	W	30.20	-	30.2
11/12/2017 0:00	11	12	0	W	30.41	-	30.41
11/12/2017 1:00	11	12	1	W	29.26	-	29.26
11/12/2017 2:00	11	12	2	W	28.43	-	28.43
11/12/2017 3:00	11	12	3	W	28.01	-	28.01
11/12/2017 4:00	11	12	4	W	28.44	-	28.44
11/12/2017 5:00	11	12	5	W	30.05	-	30.05
11/12/2017 6:00	11	12	6	W	31.48	-	31.48
11/12/2017 7:00	11	12	7	W	31.42	-	31.42
11/12/2017 8:00	11	12	8	W	32.84	-	32.84
11/12/2017 9:00	11	12	9	W	34.67	-	34.67
11/12/2017 10:00	11	12	10	W	32.85	-	32.85
11/12/2017 11:00	11	12	11	W	31.24	-	31.24
11/12/2017 12:00	11	12	12	W	30.71	-	30.71
11/12/2017 13:00	11	12	13	W	29.57	-	29.57
11/12/2017 14:00	11	12	14	W	28.75	-	28.75
11/12/2017 15:00	11	12	15	W	28.78	-	28.78
11/12/2017 16:00	11	12	16	W	31.51	-	31.51
11/12/2017 17:00	11	12	17	W	46.09	-	46.09
11/12/2017 18:00	11	12	18	W	44.77	-	44.77
11/12/2017 19:00	11	12	19	W	41.44	-	41.44
11/12/2017 20:00	11	12	20	W	37.53	-	37.53
11/12/2017 21:00	11	12	21	W	34.04	-	34.04
11/12/2017 22:00	11	12	22	W	30.80	-	30.8
11/12/2017 23:00	11	12	23	W	26.03	-	26.03
11/13/2017 0:00	11	13	0		26.58	-	26.58
11/13/2017 1:00	11	13	1		25.28	-	25.28
11/13/2017 2:00	11	13	2		24.68	-	24.68
11/13/2017 3:00	11	13	3		24.75	-	24.75
11/13/2017 4:00	11	13	4		26.38	-	26.38
11/13/2017 5:00	11	13	5		30.09	-	30.09
11/13/2017 6:00	11	13	6		40.01	-	40.01
11/13/2017 7:00	11	13	7		42.99	-	42.99
11/13/2017 8:00	11	13	8		43.07	43.07	-
11/13/2017 9:00	11	13	9		43.28	43.28	-
11/13/2017 10:00	11	13	10		43.95	43.95	-
11/13/2017 11:00	11	13	11		42.58	42.58	-
11/13/2017 12:00	11	13	12		39.64	39.64	-
11/13/2017 13:00	11	13	13		36.24	36.24	-
11/13/2017 14:00	11	13	14		35.12	35.12	-
11/13/2017 15:00	11	13	15		34.01	34.01	-
11/13/2017 16:00	11	13	16		37.38	37.38	-
11/13/2017 17:00	11	13	17		49.52	-	49.52
11/13/2017 18:00	11	13	18		43.35	-	43.35
11/13/2017 19:00	11	13	19		39.90	-	39.9
11/13/2017 20:00	11	13	20		40.81	-	40.81
11/13/2017 21:00	11	13	21		36.71	-	36.71

11/13/2017 22:00	11	13	22	29.30	-	29.3
11/13/2017 23:00	11	13	23	25.84	-	25.84
11/14/2017 0:00	11	14	0	25.36	-	25.36
11/14/2017 1:00	11	14	1	24.51	-	24.51
11/14/2017 2:00	11	14	2	24.24	-	24.24
11/14/2017 3:00	11	14	3	24.35	-	24.35
11/14/2017 4:00	11	14	4	25.75	-	25.75
11/14/2017 5:00	11	14	5	30.22	-	30.22
11/14/2017 6:00	11	14	6	39.67	-	39.67
11/14/2017 7:00	11	14	7	41.75	-	41.75
11/14/2017 8:00	11	14	8	40.94	40.94	-
11/14/2017 9:00	11	14	9	40.51	40.51	-
11/14/2017 10:00	11	14	10	39.49	39.49	-
11/14/2017 11:00	11	14	11	36.24	36.24	-
11/14/2017 12:00	11	14	12	34.45	34.45	-
11/14/2017 13:00	11	14	13	32.85	32.85	-
11/14/2017 14:00	11	14	14	30.96	30.96	-
11/14/2017 15:00	11	14	15	30.74	30.74	-
11/14/2017 16:00	11	14	16	33.05	33.05	-
11/14/2017 17:00	11	14	17	46.17	-	46.17
11/14/2017 18:00	11	14	18	40.96	-	40.96
11/14/2017 19:00	11	14	19	39.72	-	39.72
11/14/2017 20:00	11	14	20	38.80	-	38.8
11/14/2017 21:00	11	14	21	33.65	-	33.65
11/14/2017 22:00	11	14	22	27.16	-	27.16
11/14/2017 23:00	11	14	23	24.60	-	24.6
11/15/2017 0:00	11	15	0	24.70	-	24.7
11/15/2017 1:00	11	15	1	23.87	-	23.87
11/15/2017 2:00	11	15	2	23.51	-	23.51
11/15/2017 3:00	11	15	3	23.68	-	23.68
11/15/2017 4:00	11	15	4	24.81	-	24.81
11/15/2017 5:00	11	15	5	27.67	-	27.67
11/15/2017 6:00	11	15	6	39.47	-	39.47
11/15/2017 7:00	11	15	7	38.60	-	38.6
11/15/2017 8:00	11	15	8	35.42	35.42	-
11/15/2017 9:00	11	15	9	36.64	36.64	-
11/15/2017 10:00	11	15	10	35.29	35.29	-
11/15/2017 11:00	11	15	11	32.82	32.82	-
11/15/2017 12:00	11	15	12	30.38	30.38	-
11/15/2017 13:00	11	15	13	29.16	29.16	-
11/15/2017 14:00	11	15	14	27.39	27.39	-
11/15/2017 15:00	11	15	15	27.15	27.15	-
11/15/2017 16:00	11	15	16	30.61	30.61	-
11/15/2017 17:00	11	15	17	39.69	-	39.69
11/15/2017 18:00	11	15	18	36.54	-	36.54
11/15/2017 19:00	11	15	19	35.22	-	35.22
11/15/2017 20:00	11	15	20	33.67	-	33.67

11/15/2017 21:00	11	15	21	28.70	-	28.7
11/15/2017 22:00	11	15	22	25.72	-	25.72
11/15/2017 23:00	11	15	23	23.64	-	23.64
11/16/2017 0:00	11	16	0	23.21	-	23.21
11/16/2017 1:00	11	16	1	22.61	-	22.61
11/16/2017 2:00	11	16	2	22.10	-	22.1
11/16/2017 3:00	11	16	3	22.36	-	22.36
11/16/2017 4:00	11	16	4	23.30	-	23.3
11/16/2017 5:00	11	16	5	25.48	-	25.48
11/16/2017 6:00	11	16	6	36.08	-	36.08
11/16/2017 7:00	11	16	7	35.88	-	35.88
11/16/2017 8:00	11	16	8	35.67	35.67	-
11/16/2017 9:00	11	16	9	35.67	35.67	-
11/16/2017 10:00	11	16	10	36.16	36.16	-
11/16/2017 11:00	11	16	11	35.45	35.45	-
11/16/2017 12:00	11	16	12	34.67	34.67	-
11/16/2017 13:00	11	16	13	33.73	33.73	-
11/16/2017 14:00	11	16	14	32.08	32.08	-
11/16/2017 15:00	11	16	15	31.18	31.18	-
11/16/2017 16:00	11	16	16	33.01	33.01	-
11/16/2017 17:00	11	16	17	45.42	-	45.42
11/16/2017 18:00	11	16	18	40.03	-	40.03
11/16/2017 19:00	11	16	19	38.92	-	38.92
11/16/2017 20:00	11	16	20	39.63	-	39.63
11/16/2017 21:00	11	16	21	34.95	-	34.95
11/16/2017 22:00	11	16	22	28.62	-	28.62
11/16/2017 23:00	11	16	23	26.26	-	26.26
11/17/2017 0:00	11	17	0	24.14	-	24.14
11/17/2017 1:00	11	17	1	23.95	-	23.95
11/17/2017 2:00	11	17	2	23.90	-	23.9
11/17/2017 3:00	11	17	3	23.83	-	23.83
11/17/2017 4:00	11	17	4	24.32	-	24.32
11/17/2017 5:00	11	17	5	28.10	-	28.1
11/17/2017 6:00	11	17	6	41.80	-	41.8
11/17/2017 7:00	11	17	7	37.76	-	37.76
11/17/2017 8:00	11	17	8	35.81	35.81	-
11/17/2017 9:00	11	17	9	33.67	33.67	-
11/17/2017 10:00	11	17	10	32.97	32.97	-
11/17/2017 11:00	11	17	11	31.72	31.72	-
11/17/2017 12:00	11	17	12	30.49	30.49	-
11/17/2017 13:00	11	17	13	29.01	29.01	-
11/17/2017 14:00	11	17	14	27.35	27.35	-
11/17/2017 15:00	11	17	15	27.25	27.25	-
11/17/2017 16:00	11	17	16	28.84	28.84	-
11/17/2017 17:00	11	17	17	36.97	-	36.97
11/17/2017 18:00	11	17	18	34.02	-	34.02
11/17/2017 19:00	11	17	19	32.88	-	32.88

11/17/2017 20:00	11	17	20		31.68	-	31.68
11/17/2017 21:00	11	17	21		28.04	-	28.04
11/17/2017 22:00	11	17	22		25.46	-	25.46
11/17/2017 23:00	11	17	23		24.15	-	24.15
11/18/2017 0:00	11	18	0	W	23.60	-	23.6
11/18/2017 1:00	11	18	1	W	23.07	-	23.07
11/18/2017 2:00	11	18	2	W	22.77	-	22.77
11/18/2017 3:00	11	18	3	W	22.46	-	22.46
11/18/2017 4:00	11	18	4	W	22.53	-	22.53
11/18/2017 5:00	11	18	5	W	23.07	-	23.07
11/18/2017 6:00	11	18	6	W	24.04	-	24.04
11/18/2017 7:00	11	18	7	W	27.30	-	27.3
11/18/2017 8:00	11	18	8	W	28.58	-	28.58
11/18/2017 9:00	11	18	9	W	28.76	-	28.76
11/18/2017 10:00	11	18	10	W	27.25	-	27.25
11/18/2017 11:00	11	18	11	W	26.28	-	26.28
11/18/2017 12:00	11	18	12	W	24.85	-	24.85
11/18/2017 13:00	11	18	13	W	24.12	-	24.12
11/18/2017 14:00	11	18	14	W	23.40	-	23.4
11/18/2017 15:00	11	18	15	W	23.17	-	23.17
11/18/2017 16:00	11	18	16	W	23.71	-	23.71
11/18/2017 17:00	11	18	17	W	28.16	-	28.16
11/18/2017 18:00	11	18	18	W	26.50	-	26.5
11/18/2017 19:00	11	18	19	W	25.64	-	25.64
11/18/2017 20:00	11	18	20	W	24.82	-	24.82
11/18/2017 21:00	11	18	21	W	23.64	-	23.64
11/18/2017 22:00	11	18	22	W	21.43	-	21.43
11/18/2017 23:00	11	18	23	W	20.28	-	20.28
11/19/2017 0:00	11	19	0	W	21.15	-	21.15
11/19/2017 1:00	11	19	1	W	20.94	-	20.94
11/19/2017 2:00	11	19	2	W	20.36	-	20.36
11/19/2017 3:00	11	19	3	W	19.99	-	19.99
11/19/2017 4:00	11	19	4	W	20.45	-	20.45
11/19/2017 5:00	11	19	5	W	20.94	-	20.94
11/19/2017 6:00	11	19	6	W	20.78	-	20.78
11/19/2017 7:00	11	19	7	W	21.39	-	21.39
11/19/2017 8:00	11	19	8	W	23.23	-	23.23
11/19/2017 9:00	11	19	9	W	24.69	-	24.69
11/19/2017 10:00	11	19	10	W	23.73	-	23.73
11/19/2017 11:00	11	19	11	W	23.49	-	23.49
11/19/2017 12:00	11	19	12	W	23.32	-	23.32
11/19/2017 13:00	11	19	13	W	23.24	-	23.24
11/19/2017 14:00	11	19	14	W	22.91	-	22.91
11/19/2017 15:00	11	19	15	W	22.95	-	22.95
11/19/2017 16:00	11	19	16	W	25.93	-	25.93
11/19/2017 17:00	11	19	17	W	32.42	-	32.42
11/19/2017 18:00	11	19	18	W	31.48	-	31.48

11/19/2017 19:00	11	19	19	W	31.25	-	31.25
11/19/2017 20:00	11	19	20	W	31.10	-	31.1
11/19/2017 21:00	11	19	21	W	29.37	-	29.37
11/19/2017 22:00	11	19	22	W	25.97	-	25.97
11/19/2017 23:00	11	19	23	W	24.05	-	24.05
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11/20/2017 3:00	11	20	3		23.49	-	23.49
11/20/2017 4:00	11	20	4		23.82	-	23.82
11/20/2017 5:00	11	20	5		29.06	-	29.06
11/20/2017 6:00	11	20	6		39.61	-	39.61
11/20/2017 7:00	11	20	7		39.45	-	39.45
11/20/2017 8:00	11	20	8		34.90	34.9	-
11/20/2017 9:00	11	20	9		31.35	31.35	-
11/20/2017 10:00	11	20	10		30.10	30.1	-
11/20/2017 11:00	11	20	11		27.97	27.97	-
11/20/2017 12:00	11	20	12		26.63	26.63	-
11/20/2017 13:00	11	20	13		25.49	25.49	-
11/20/2017 14:00	11	20	14		24.54	24.54	-
11/20/2017 15:00	11	20	15		24.49	24.49	-
11/20/2017 16:00	11	20	16		26.04	26.04	-
11/20/2017 17:00	11	20	17		32.44	-	32.44
11/20/2017 18:00	11	20	18		30.54	-	30.54
11/20/2017 19:00	11	20	19		29.40	-	29.4
11/20/2017 20:00	11	20	20		29.72	-	29.72
11/20/2017 21:00	11	20	21		27.23	-	27.23
11/20/2017 22:00	11	20	22		25.62	-	25.62
11/20/2017 23:00	11	20	23		23.87	-	23.87
11/21/2017 0:00	11	21	0		22.45	-	22.45
11/21/2017 1:00	11	21	1		22.33	-	22.33
11/21/2017 2:00	11	21	2		22.26	-	22.26
11/21/2017 3:00	11	21	3		22.44	-	22.44
11/21/2017 4:00	11	21	4		22.71	-	22.71
11/21/2017 5:00	11	21	5		26.54	-	26.54
11/21/2017 6:00	11	21	6		34.29	-	34.29
11/21/2017 7:00	11	21	7		34.15	-	34.15
11/21/2017 8:00	11	21	8		30.74	30.74	-
11/21/2017 9:00	11	21	9		28.93	28.93	-
11/21/2017 10:00	11	21	10		27.67	27.67	-
11/21/2017 11:00	11	21	11		26.04	26.04	-
11/21/2017 12:00	11	21	12		24.58	24.58	-
11/21/2017 13:00	11	21	13		24.18	24.18	-
11/21/2017 14:00	11	21	14		23.82	23.82	-
11/21/2017 15:00	11	21	15		23.87	23.87	-
11/21/2017 16:00	11	21	16		24.82	24.82	-
11/21/2017 17:00	11	21	17		33.23	-	33.23

11/21/2017 18:00	11	21	18	31.27	-	31.27
11/21/2017 19:00	11	21	19	29.57	-	29.57
11/21/2017 20:00	11	21	20	29.03	-	29.03
11/21/2017 21:00	11	21	21	25.74	-	25.74
11/21/2017 22:00	11	21	22	23.96	-	23.96
11/21/2017 23:00	11	21	23	22.89	-	22.89
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11/22/2017 1:00	11	22	1	21.48	-	21.48
11/22/2017 2:00	11	22	2	21.35	-	21.35
11/22/2017 3:00	11	22	3	21.54	-	21.54
11/22/2017 4:00	11	22	4	21.79	-	21.79
11/22/2017 5:00	11	22	5	24.51	-	24.51
11/22/2017 6:00	11	22	6	33.17	-	33.17
11/22/2017 7:00	11	22	7	33.86	-	33.86
11/22/2017 8:00	11	22	8	31.52	31.52	-
11/22/2017 9:00	11	22	9	30.24	30.24	-
11/22/2017 10:00	11	22	10	30.67	30.67	-
11/22/2017 11:00	11	22	11	29.64	29.64	-
11/22/2017 12:00	11	22	12	27.81	27.81	-
11/22/2017 13:00	11	22	13	27.20	27.2	-
11/22/2017 14:00	11	22	14	26.12	26.12	-
11/22/2017 15:00	11	22	15	26.10	26.1	-
11/22/2017 16:00	11	22	16	28.46	28.46	-
11/22/2017 17:00	11	22	17	36.46	-	36.46
11/22/2017 18:00	11	22	18	36.27	-	36.27
11/22/2017 19:00	11	22	19	34.77	-	34.77
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11/22/2017 21:00	11	22	21	31.63	-	31.63
11/22/2017 22:00	11	22	22	26.61	-	26.61
11/22/2017 23:00	11	22	23	24.62	-	24.62
11/23/2017 0:00	11	23	0	23.99	-	23.99
11/23/2017 1:00	11	23	1	23.16	-	23.16
11/23/2017 2:00	11	23	2	22.77	-	22.77
11/23/2017 3:00	11	23	3	22.75	-	22.75
11/23/2017 4:00	11	23	4	22.76	-	22.76
11/23/2017 5:00	11	23	5	23.54	-	23.54
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11/23/2017 7:00	11	23	7	26.52	-	26.52
11/23/2017 8:00	11	23	8	27.08	27.08	-
11/23/2017 9:00	11	23	9	28.45	28.45	-
11/23/2017 10:00	11	23	10	27.22	27.22	-
11/23/2017 11:00	11	23	11	26.31	26.31	-
11/23/2017 12:00	11	23	12	24.07	24.07	-
11/23/2017 13:00	11	23	13	22.92	22.92	-
11/23/2017 14:00	11	23	14	22.42	22.42	-
11/23/2017 15:00	11	23	15	22.33	22.33	-
11/23/2017 16:00	11	23	16	22.56	22.56	-

11/23/2017 17:00	11	23	17		25.37	-	25.37
11/23/2017 18:00	11	23	18		25.65	-	25.65
11/23/2017 19:00	11	23	19		25.19	-	25.19
11/23/2017 20:00	11	23	20		24.84	-	24.84
11/23/2017 21:00	11	23	21		23.89	-	23.89
11/23/2017 22:00	11	23	22		23.33	-	23.33
11/23/2017 23:00	11	23	23		22.46	-	22.46
11/24/2017 0:00	11	24	0		22.14	-	22.14
11/24/2017 1:00	11	24	1		21.52	-	21.52
11/24/2017 2:00	11	24	2		21.23	-	21.23
11/24/2017 3:00	11	24	3		21.01	-	21.01
11/24/2017 4:00	11	24	4		21.68	-	21.68
11/24/2017 5:00	11	24	5		23.59	-	23.59
11/24/2017 6:00	11	24	6		25.97	-	25.97
11/24/2017 7:00	11	24	7		27.33	-	27.33
11/24/2017 8:00	11	24	8		25.79	25.79	-
11/24/2017 9:00	11	24	9		25.01	25.01	-
11/24/2017 10:00	11	24	10		23.76	23.76	-
11/24/2017 11:00	11	24	11		22.67	22.67	-
11/24/2017 12:00	11	24	12		21.41	21.41	-
11/24/2017 13:00	11	24	13		20.53	20.53	-
11/24/2017 14:00	11	24	14		20.56	20.56	-
11/24/2017 15:00	11	24	15		20.38	20.38	-
11/24/2017 16:00	11	24	16		21.23	21.23	-
11/24/2017 17:00	11	24	17		25.45	-	25.45
11/24/2017 18:00	11	24	18		24.63	-	24.63
11/24/2017 19:00	11	24	19		23.99	-	23.99
11/24/2017 20:00	11	24	20		23.76	-	23.76
11/24/2017 21:00	11	24	21		23.23	-	23.23
11/24/2017 22:00	11	24	22		21.90	-	21.9
11/24/2017 23:00	11	24	23		20.58	-	20.58
11/25/2017 0:00	11	25	0	W	20.58	-	20.58
11/25/2017 1:00	11	25	1	W	20.33	-	20.33
11/25/2017 2:00	11	25	2	W	19.79	-	19.79
11/25/2017 3:00	11	25	3	W	19.62	-	19.62
11/25/2017 4:00	11	25	4	W	20.17	-	20.17
11/25/2017 5:00	11	25	5	W	20.97	-	20.97
11/25/2017 6:00	11	25	6	W	22.36	-	22.36
11/25/2017 7:00	11	25	7	W	23.46	-	23.46
11/25/2017 8:00	11	25	8	W	24.09	-	24.09
11/25/2017 9:00	11	25	9	W	24.00	-	24
11/25/2017 10:00	11	25	10	W	23.38	-	23.38
11/25/2017 11:00	11	25	11	W	22.86	-	22.86
11/25/2017 12:00	11	25	12	W	22.02	-	22.02
11/25/2017 13:00	11	25	13	W	21.19	-	21.19
11/25/2017 14:00	11	25	14	W	20.58	-	20.58
11/25/2017 15:00	11	25	15	W	20.56	-	20.56

11/25/2017 16:00	11	25	16	W	22.37	-	22.37
11/25/2017 17:00	11	25	17	W	26.48	-	26.48
11/25/2017 18:00	11	25	18	W	24.63	-	24.63
11/25/2017 19:00	11	25	19	W	24.03	-	24.03
11/25/2017 20:00	11	25	20	W	23.70	-	23.7
11/25/2017 21:00	11	25	21	W	23.14	-	23.14
11/25/2017 22:00	11	25	22	W	21.97	-	21.97
11/25/2017 23:00	11	25	23	W	21.01	-	21.01
11/26/2017 0:00	11	26	0	W	20.80	-	20.8
11/26/2017 1:00	11	26	1	W	20.62	-	20.62
11/26/2017 2:00	11	26	2	W	20.85	-	20.85
11/26/2017 3:00	11	26	3	W	20.80	-	20.8
11/26/2017 4:00	11	26	4	W	20.76	-	20.76
11/26/2017 5:00	11	26	5	W	21.15	-	21.15
11/26/2017 6:00	11	26	6	W	22.35	-	22.35
11/26/2017 7:00	11	26	7	W	23.31	-	23.31
11/26/2017 8:00	11	26	8	W	23.93	-	23.93
11/26/2017 9:00	11	26	9	W	24.29	-	24.29
11/26/2017 10:00	11	26	10	W	23.90	-	23.9
11/26/2017 11:00	11	26	11	W	23.74	-	23.74
11/26/2017 12:00	11	26	12	W	23.39	-	23.39
11/26/2017 13:00	11	26	13	W	23.01	-	23.01
11/26/2017 14:00	11	26	14	W	22.60	-	22.6
11/26/2017 15:00	11	26	15	W	22.76	-	22.76
11/26/2017 16:00	11	26	16	W	24.60	-	24.6
11/26/2017 17:00	11	26	17	W	31.52	-	31.52
11/26/2017 18:00	11	26	18	W	29.76	-	29.76
11/26/2017 19:00	11	26	19	W	30.36	-	30.36
11/26/2017 20:00	11	26	20	W	30.55	-	30.55
11/26/2017 21:00	11	26	21	W	26.70	-	26.7
11/26/2017 22:00	11	26	22	W	23.98	-	23.98
11/26/2017 23:00	11	26	23	W	22.48	-	22.48
11/27/2017 0:00	11	27	0		22.90	-	22.9
11/27/2017 1:00	11	27	1		22.68	-	22.68
11/27/2017 2:00	11	27	2		22.71	-	22.71
11/27/2017 3:00	11	27	3		22.91	-	22.91
11/27/2017 4:00	11	27	4		23.41	-	23.41
11/27/2017 5:00	11	27	5		27.15	-	27.15
11/27/2017 6:00	11	27	6		37.38	-	37.38
11/27/2017 7:00	11	27	7		38.46	-	38.46
11/27/2017 8:00	11	27	8		32.07	32.07	-
11/27/2017 9:00	11	27	9		30.88	30.88	-
11/27/2017 10:00	11	27	10		29.47	29.47	-
11/27/2017 11:00	11	27	11		28.69	28.69	-
11/27/2017 12:00	11	27	12		27.27	27.27	-
11/27/2017 13:00	11	27	13		26.29	26.29	-
11/27/2017 14:00	11	27	14		25.16	25.16	-



11/27/2017 15:00	11	27	15	25.37	25.37	-
11/27/2017 16:00	11	27	16	26.85	26.85	-
11/27/2017 17:00	11	27	17	32.74	-	32.74
11/27/2017 18:00	11	27	18	31.70	-	31.7
11/27/2017 19:00	11	27	19	30.93	-	30.93
11/27/2017 20:00	11	27	20	29.70	-	29.7
11/27/2017 21:00	11	27	21	26.94	-	26.94
11/27/2017 22:00	11	27	22	24.30	-	24.3
11/27/2017 23:00	11	27	23	23.13	-	23.13
11/28/2017 0:00	11	28	0	21.82	-	21.82
11/28/2017 1:00	11	28	1	21.81	-	21.81
11/28/2017 2:00	11	28	2	21.63	-	21.63
11/28/2017 3:00	11	28	3	21.69	-	21.69
11/28/2017 4:00	11	28	4	22.08	-	22.08
11/28/2017 5:00	11	28	5	23.88	-	23.88
11/28/2017 6:00	11	28	6	38.88	-	38.88
11/28/2017 7:00	11	28	7	36.68	-	36.68
11/28/2017 8:00	11	28	8	30.81	30.81	-
11/28/2017 9:00	11	28	9	26.94	26.94	-
11/28/2017 10:00	11	28	10	24.43	24.43	-
11/28/2017 11:00	11	28	11	23.55	23.55	-
11/28/2017 12:00	11	28	12	23.23	23.23	-
11/28/2017 13:00	11	28	13	22.95	22.95	-
11/28/2017 14:00	11	28	14	22.45	22.45	-
11/28/2017 15:00	11	28	15	22.79	22.79	-
11/28/2017 16:00	11	28	16	23.50	23.5	-
11/28/2017 17:00	11	28	17	30.80	-	30.8
11/28/2017 18:00	11	28	18	28.76	-	28.76
11/28/2017 19:00	11	28	19	27.41	-	27.41
11/28/2017 20:00	11	28	20	26.86	-	26.86
11/28/2017 21:00	11	28	21	23.79	-	23.79
11/28/2017 22:00	11	28	22	22.49	-	22.49
11/28/2017 23:00	11	28	23	20.68	-	20.68
11/29/2017 0:00	11	29	0	20.61	-	20.61
11/29/2017 1:00	11	29	1	20.35	-	20.35
11/29/2017 2:00	11	29	2	20.21	-	20.21
11/29/2017 3:00	11	29	3	20.29	-	20.29
11/29/2017 4:00	11	29	4	20.64	-	20.64
11/29/2017 5:00	11	29	5	22.58	-	22.58
11/29/2017 6:00	11	29	6	29.68	-	29.68
11/29/2017 7:00	11	29	7	30.38	-	30.38
11/29/2017 8:00	11	29	8	29.08	29.08	-
11/29/2017 9:00	11	29	9	26.93	26.93	-
11/29/2017 10:00	11	29	10	25.93	25.93	-
11/29/2017 11:00	11	29	11	25.23	25.23	-
11/29/2017 12:00	11	29	12	25.01	25.01	-
11/29/2017 13:00	11	29	13	24.52	24.52	-

11/29/2017 14:00	11	29	14	23.92	23.92	-
11/29/2017 15:00	11	29	15	23.67	23.67	-
11/29/2017 16:00	11	29	16	25.49	25.49	-
11/29/2017 17:00	11	29	17	32.50	-	32.5
11/29/2017 18:00	11	29	18	33.04	-	33.04
11/29/2017 19:00	11	29	19	33.20	-	33.2
11/29/2017 20:00	11	29	20	31.79	-	31.79
11/29/2017 21:00	11	29	21	27.60	-	27.6
11/29/2017 22:00	11	29	22	23.75	-	23.75
11/29/2017 23:00	11	29	23	22.82	-	22.82
11/30/2017 0:00	11	30	0	22.69	-	22.69
11/30/2017 1:00	11	30	1	22.40	-	22.4
11/30/2017 2:00	11	30	2	22.16	-	22.16
11/30/2017 3:00	11	30	3	22.31	-	22.31
11/30/2017 4:00	11	30	4	22.84	-	22.84
11/30/2017 5:00	11	30	5	24.92	-	24.92
11/30/2017 6:00	11	30	6	32.12	-	32.12
11/30/2017 7:00	11	30	7	32.14	-	32.14
11/30/2017 8:00	11	30	8	30.55	30.55	-
11/30/2017 9:00	11	30	9	29.62	29.62	-
11/30/2017 10:00	11	30	10	28.37	28.37	-
11/30/2017 11:00	11	30	11	28.11	28.11	-
11/30/2017 12:00	11	30	12	27.14	27.14	-
11/30/2017 13:00	11	30	13	26.45	26.45	-
11/30/2017 14:00	11	30	14	25.62	25.62	-
11/30/2017 15:00	11	30	15	25.39	25.39	-
11/30/2017 16:00	11	30	16	27.20	27.2	-
11/30/2017 17:00	11	30	17	34.59	-	34.59
11/30/2017 18:00	11	30	18	33.33	-	33.33
11/30/2017 19:00	11	30	19	31.18	-	31.18
11/30/2017 20:00	11	30	20	29.64	-	29.64
11/30/2017 21:00	11	30	21	27.10	-	27.1
11/30/2017 22:00	11	30	22	24.14	-	24.14
11/30/2017 23:00	11	30	23	21.89	-	21.89
12/01/2017 0:00	12	1	0	21.84	-	21.84
12/01/2017 1:00	12	1	1	21.40	-	21.4
12/01/2017 2:00	12	1	2	21.29	-	21.29
12/01/2017 3:00	12	1	3	21.33	-	21.33
12/01/2017 4:00	12	1	4	21.76	-	21.76
12/01/2017 5:00	12	1	5	23.53	-	23.53
12/01/2017 6:00	12	1	6	30.26	-	30.26
12/01/2017 7:00	12	1	7	31.87	-	31.87
12/01/2017 8:00	12	1	8	31.17	31.17	-
12/01/2017 9:00	12	1	9	30.71	30.71	-
12/01/2017 10:00	12	1	10	29.10	29.1	-
12/01/2017 11:00	12	1	11	27.49	27.49	-
12/01/2017 12:00	12	1	12	26.04	26.04	-

12/01/2017 13:00	12	1	13		25.33	25.33	-
12/01/2017 14:00	12	1	14		24.59	24.59	-
12/01/2017 15:00	12	1	15		24.82	24.82	-
12/01/2017 16:00	12	1	16		27.24	27.24	-
12/01/2017 17:00	12	1	17		32.79	-	32.79
12/01/2017 18:00	12	1	18		32.31	-	32.31
12/01/2017 19:00	12	1	19		31.34	-	31.34
12/01/2017 20:00	12	1	20		31.03	-	31.03
12/01/2017 21:00	12	1	21		28.42	-	28.42
12/01/2017 22:00	12	1	22		25.19	-	25.19
12/01/2017 23:00	12	1	23		23.80	-	23.8
12/02/2017 0:00	12	2	0	W	24.49	-	24.49
12/02/2017 1:00	12	2	1	W	23.79	-	23.79
12/02/2017 2:00	12	2	2	W	23.51	-	23.51
12/02/2017 3:00	12	2	3	W	23.44	-	23.44
12/02/2017 4:00	12	2	4	W	23.79	-	23.79
12/02/2017 5:00	12	2	5	W	24.00	-	24
12/02/2017 6:00	12	2	6	W	26.82	-	26.82
12/02/2017 7:00	12	2	7	W	31.72	-	31.72
12/02/2017 8:00	12	2	8	W	30.89	-	30.89
12/02/2017 9:00	12	2	9	W	31.17	-	31.17
12/02/2017 10:00	12	2	10	W	27.69	-	27.69
12/02/2017 11:00	12	2	11	W	25.87	-	25.87
12/02/2017 12:00	12	2	12	W	24.72	-	24.72
12/02/2017 13:00	12	2	13	W	24.14	-	24.14
12/02/2017 14:00	12	2	14	W	23.48	-	23.48
12/02/2017 15:00	12	2	15	W	23.57	-	23.57
12/02/2017 16:00	12	2	16	W	25.17	-	25.17
12/02/2017 17:00	12	2	17	W	34.94	-	34.94
12/02/2017 18:00	12	2	18	W	34.43	-	34.43
12/02/2017 19:00	12	2	19	W	34.10	-	34.1
12/02/2017 20:00	12	2	20	W	30.34	-	30.34
12/02/2017 21:00	12	2	21	W	27.25	-	27.25
12/02/2017 22:00	12	2	22	W	24.58	-	24.58
12/02/2017 23:00	12	2	23	W	23.58	-	23.58
12/03/2017 0:00	12	3	0	W	22.99	-	22.99
12/03/2017 1:00	12	3	1	W	22.50	-	22.5
12/03/2017 2:00	12	3	2	W	22.14	-	22.14
12/03/2017 3:00	12	3	3	W	22.01	-	22.01
12/03/2017 4:00	12	3	4	W	22.08	-	22.08
12/03/2017 5:00	12	3	5	W	22.62	-	22.62
12/03/2017 6:00	12	3	6	W	23.60	-	23.6
12/03/2017 7:00	12	3	7	W	24.69	-	24.69
12/03/2017 8:00	12	3	8	W	24.75	-	24.75
12/03/2017 9:00	12	3	9	W	24.92	-	24.92
12/03/2017 10:00	12	3	10	W	23.66	-	23.66
12/03/2017 11:00	12	3	11	W	22.84	-	22.84

12/03/2017 12:00	12	3	12	W	22.05	-	22.05
12/03/2017 13:00	12	3	13	W	21.42	-	21.42
12/03/2017 14:00	12	3	14	W	21.08	-	21.08
12/03/2017 15:00	12	3	15	W	21.24	-	21.24
12/03/2017 16:00	12	3	16	W	23.25	-	23.25
12/03/2017 17:00	12	3	17	W	30.78	-	30.78
12/03/2017 18:00	12	3	18	W	28.04	-	28.04
12/03/2017 19:00	12	3	19	W	27.14	-	27.14
12/03/2017 20:00	12	3	20	W	26.33	-	26.33
12/03/2017 21:00	12	3	21	W	23.99	-	23.99
12/03/2017 22:00	12	3	22	W	22.11	-	22.11
12/03/2017 23:00	12	3	23	W	21.32	-	21.32
12/04/2017 0:00	12	4	0		21.43	-	21.43
12/04/2017 1:00	12	4	1		20.91	-	20.91
12/04/2017 2:00	12	4	2		20.78	-	20.78
12/04/2017 3:00	12	4	3		21.36	-	21.36
12/04/2017 4:00	12	4	4		22.31	-	22.31
12/04/2017 5:00	12	4	5		25.13	-	25.13
12/04/2017 6:00	12	4	6		36.73	-	36.73
12/04/2017 7:00	12	4	7		33.71	-	33.71
12/04/2017 8:00	12	4	8		31.99	31.99	-
12/04/2017 9:00	12	4	9		28.52	28.52	-
12/04/2017 10:00	12	4	10		26.91	26.91	-
12/04/2017 11:00	12	4	11		27.00	27	-
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12/04/2017 13:00	12	4	13		24.90	24.9	-
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12/04/2017 15:00	12	4	15		23.67	23.67	-
12/04/2017 16:00	12	4	16		25.40	25.4	-
12/04/2017 17:00	12	4	17		32.14	-	32.14
12/04/2017 18:00	12	4	18		29.57	-	29.57
12/04/2017 19:00	12	4	19		27.51	-	27.51
12/04/2017 20:00	12	4	20		26.68	-	26.68
12/04/2017 21:00	12	4	21		24.63	-	24.63
12/04/2017 22:00	12	4	22		22.92	-	22.92
12/04/2017 23:00	12	4	23		20.93	-	20.93
12/05/2017 0:00	12	5	0		20.22	-	20.22
12/05/2017 1:00	12	5	1		20.25	-	20.25
12/05/2017 2:00	12	5	2		20.03	-	20.03
12/05/2017 3:00	12	5	3		20.21	-	20.21
12/05/2017 4:00	12	5	4		20.39	-	20.39
12/05/2017 5:00	12	5	5		21.88	-	21.88
12/05/2017 6:00	12	5	6		26.51	-	26.51
12/05/2017 7:00	12	5	7		29.35	-	29.35
12/05/2017 8:00	12	5	8		28.05	28.05	-
12/05/2017 9:00	12	5	9		27.26	27.26	-
12/05/2017 10:00	12	5	10		27.19	27.19	-

12/05/2017 11:00	12	5	11	27.08	27.08	-
12/05/2017 12:00	12	5	12	26.04	26.04	-
12/05/2017 13:00	12	5	13	26.02	26.02	-
12/05/2017 14:00	12	5	14	25.41	25.41	-
12/05/2017 15:00	12	5	15	25.33	25.33	-
12/05/2017 16:00	12	5	16	28.00	28	-
12/05/2017 17:00	12	5	17	35.11	-	35.11
12/05/2017 18:00	12	5	18	32.14	-	32.14
12/05/2017 19:00	12	5	19	31.81	-	31.81
12/05/2017 20:00	12	5	20	30.13	-	30.13
12/05/2017 21:00	12	5	21	26.44	-	26.44
12/05/2017 22:00	12	5	22	23.25	-	23.25
12/05/2017 23:00	12	5	23	21.12	-	21.12
12/06/2017 0:00	12	6	0	22.15	-	22.15
12/06/2017 1:00	12	6	1	22.08	-	22.08
12/06/2017 2:00	12	6	2	21.87	-	21.87
12/06/2017 3:00	12	6	3	22.07	-	22.07
12/06/2017 4:00	12	6	4	22.87	-	22.87
12/06/2017 5:00	12	6	5	25.18	-	25.18
12/06/2017 6:00	12	6	6	33.52	-	33.52
12/06/2017 7:00	12	6	7	35.04	-	35.04
12/06/2017 8:00	12	6	8	35.39	35.39	-
12/06/2017 9:00	12	6	9	33.15	33.15	-
12/06/2017 10:00	12	6	10	32.05	32.05	-
12/06/2017 11:00	12	6	11	28.09	28.09	-
12/06/2017 12:00	12	6	12	27.48	27.48	-
12/06/2017 13:00	12	6	13	27.09	27.09	-
12/06/2017 14:00	12	6	14	25.76	25.76	-
12/06/2017 15:00	12	6	15	26.14	26.14	-
12/06/2017 16:00	12	6	16	29.88	29.88	-
12/06/2017 17:00	12	6	17	41.71	-	41.71
12/06/2017 18:00	12	6	18	39.28	-	39.28
12/06/2017 19:00	12	6	19	37.52	-	37.52
12/06/2017 20:00	12	6	20	36.91	-	36.91
12/06/2017 21:00	12	6	21	33.33	-	33.33
12/06/2017 22:00	12	6	22	26.68	-	26.68
12/06/2017 23:00	12	6	23	25.22	-	25.22
12/07/2017 0:00	12	7	0	24.44	-	24.44
12/07/2017 1:00	12	7	1	24.06	-	24.06
12/07/2017 2:00	12	7	2	23.81	-	23.81
12/07/2017 3:00	12	7	3	24.10	-	24.1
12/07/2017 4:00	12	7	4	24.87	-	24.87
12/07/2017 5:00	12	7	5	28.22	-	28.22
12/07/2017 6:00	12	7	6	40.99	-	40.99
12/07/2017 7:00	12	7	7	45.22	-	45.22
12/07/2017 8:00	12	7	8	38.62	38.62	-
12/07/2017 9:00	12	7	9	36.26	36.26	-

12/07/2017 10:00	12	7	10		35.52	35.52	-
12/07/2017 11:00	12	7	11		31.48	31.48	-
12/07/2017 12:00	12	7	12		29.29	29.29	-
12/07/2017 13:00	12	7	13		29.22	29.22	-
12/07/2017 14:00	12	7	14		28.21	28.21	-
12/07/2017 15:00	12	7	15		28.04	28.04	-
12/07/2017 16:00	12	7	16		32.82	32.82	-
12/07/2017 17:00	12	7	17		47.68	-	47.68
12/07/2017 18:00	12	7	18		43.97	-	43.97
12/07/2017 19:00	12	7	19		42.23	-	42.23
12/07/2017 20:00	12	7	20		41.95	-	41.95
12/07/2017 21:00	12	7	21		36.40	-	36.4
12/07/2017 22:00	12	7	22		28.75	-	28.75
12/07/2017 23:00	12	7	23		26.26	-	26.26
12/08/2017 0:00	12	8	0		26.09	-	26.09
12/08/2017 1:00	12	8	1		25.26	-	25.26
12/08/2017 2:00	12	8	2		24.86	-	24.86
12/08/2017 3:00	12	8	3		25.41	-	25.41
12/08/2017 4:00	12	8	4		26.32	-	26.32
12/08/2017 5:00	12	8	5		32.50	-	32.5
12/08/2017 6:00	12	8	6		46.77	-	46.77
12/08/2017 7:00	12	8	7		50.62	-	50.62
12/08/2017 8:00	12	8	8		46.45	46.45	-
12/08/2017 9:00	12	8	9		42.06	42.06	-
12/08/2017 10:00	12	8	10		39.26	39.26	-
12/08/2017 11:00	12	8	11		35.38	35.38	-
12/08/2017 12:00	12	8	12		33.56	33.56	-
12/08/2017 13:00	12	8	13		32.26	32.26	-
12/08/2017 14:00	12	8	14		30.56	30.56	-
12/08/2017 15:00	12	8	15		30.55	30.55	-
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12/08/2017 17:00	12	8	17		43.81	-	43.81
12/08/2017 18:00	12	8	18		42.15	-	42.15
12/08/2017 19:00	12	8	19		40.79	-	40.79
12/08/2017 20:00	12	8	20		38.74	-	38.74
12/08/2017 21:00	12	8	21		33.59	-	33.59
12/08/2017 22:00	12	8	22		28.57	-	28.57
12/08/2017 23:00	12	8	23		27.34	-	27.34
12/09/2017 0:00	12	9	0	W	26.88	-	26.88
12/09/2017 1:00	12	9	1	W	26.14	-	26.14
12/09/2017 2:00	12	9	2	W	25.85	-	25.85
12/09/2017 3:00	12	9	3	W	26.05	-	26.05
12/09/2017 4:00	12	9	4	W	26.09	-	26.09
12/09/2017 5:00	12	9	5	W	27.53	-	27.53
12/09/2017 6:00	12	9	6	W	32.38	-	32.38
12/09/2017 7:00	12	9	7	W	34.46	-	34.46
12/09/2017 8:00	12	9	8	W	38.75	-	38.75

12/09/2017 9:00	12	9	9	W	38.15	-	38.15
12/09/2017 10:00	12	9	10	W	36.04	-	36.04
12/09/2017 11:00	12	9	11	W	34.30	-	34.3
12/09/2017 12:00	12	9	12	W	31.40	-	31.4
12/09/2017 13:00	12	9	13	W	29.75	-	29.75
12/09/2017 14:00	12	9	14	W	27.31	-	27.31
12/09/2017 15:00	12	9	15	W	27.32	-	27.32
12/09/2017 16:00	12	9	16	W	30.73	-	30.73
12/09/2017 17:00	12	9	17	W	42.45	-	42.45
12/09/2017 18:00	12	9	18	W	38.94	-	38.94
12/09/2017 19:00	12	9	19	W	36.43	-	36.43
12/09/2017 20:00	12	9	20	W	34.76	-	34.76
12/09/2017 21:00	12	9	21	W	31.54	-	31.54
12/09/2017 22:00	12	9	22	W	28.69	-	28.69
12/09/2017 23:00	12	9	23	W	27.05	-	27.05
12/10/2017 0:00	12	10	0	W	25.34	-	25.34
12/10/2017 1:00	12	10	1	W	24.78	-	24.78
12/10/2017 2:00	12	10	2	W	24.47	-	24.47
12/10/2017 3:00	12	10	3	W	24.53	-	24.53
12/10/2017 4:00	12	10	4	W	24.37	-	24.37
12/10/2017 5:00	12	10	5	W	24.96	-	24.96
12/10/2017 6:00	12	10	6	W	27.05	-	27.05
12/10/2017 7:00	12	10	7	W	27.53	-	27.53
12/10/2017 8:00	12	10	8	W	28.00	-	28
12/10/2017 9:00	12	10	9	W	27.00	-	27
12/10/2017 10:00	12	10	10	W	25.88	-	25.88
12/10/2017 11:00	12	10	11	W	25.81	-	25.81
12/10/2017 12:00	12	10	12	W	25.07	-	25.07
12/10/2017 13:00	12	10	13	W	24.43	-	24.43
12/10/2017 14:00	12	10	14	W	24.34	-	24.34
12/10/2017 15:00	12	10	15	W	24.13	-	24.13
12/10/2017 16:00	12	10	16	W	25.49	-	25.49
12/10/2017 17:00	12	10	17	W	35.89	-	35.89
12/10/2017 18:00	12	10	18	W	33.26	-	33.26
12/10/2017 19:00	12	10	19	W	34.99	-	34.99
12/10/2017 20:00	12	10	20	W	34.67	-	34.67
12/10/2017 21:00	12	10	21	W	31.00	-	31
12/10/2017 22:00	12	10	22	W	27.43	-	27.43
12/10/2017 23:00	12	10	23	W	25.78	-	25.78
12/11/2017 0:00	12	11	0		24.65	-	24.65
12/11/2017 1:00	12	11	1		24.37	-	24.37
12/11/2017 2:00	12	11	2		24.38	-	24.38
12/11/2017 3:00	12	11	3		24.75	-	24.75
12/11/2017 4:00	12	11	4		24.68	-	24.68
12/11/2017 5:00	12	11	5		26.95	-	26.95
12/11/2017 6:00	12	11	6		40.13	-	40.13
12/11/2017 7:00	12	11	7		46.82	-	46.82

12/11/2017 8:00	12	11	8	40.42	40.42	-
12/11/2017 9:00	12	11	9	35.88	35.88	-
12/11/2017 10:00	12	11	10	32.45	32.45	-
12/11/2017 11:00	12	11	11	29.21	29.21	-
12/11/2017 12:00	12	11	12	26.90	26.9	-
12/11/2017 13:00	12	11	13	26.16	26.16	-
12/11/2017 14:00	12	11	14	25.55	25.55	-
12/11/2017 15:00	12	11	15	25.58	25.58	-
12/11/2017 16:00	12	11	16	27.57	27.57	-
12/11/2017 17:00	12	11	17	41.02	-	41.02
12/11/2017 18:00	12	11	18	38.57	-	38.57
12/11/2017 19:00	12	11	19	38.81	-	38.81
12/11/2017 20:00	12	11	20	35.60	-	35.6
12/11/2017 21:00	12	11	21	31.06	-	31.06
12/11/2017 22:00	12	11	22	24.82	-	24.82
12/11/2017 23:00	12	11	23	22.31	-	22.31
12/12/2017 0:00	12	12	0	22.74	-	22.74
12/12/2017 1:00	12	12	1	21.94	-	21.94
12/12/2017 2:00	12	12	2	21.72	-	21.72
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12/12/2017 4:00	12	12	4	22.22	-	22.22
12/12/2017 5:00	12	12	5	23.19	-	23.19
12/12/2017 6:00	12	12	6	29.60	-	29.6
12/12/2017 7:00	12	12	7	33.56	-	33.56
12/12/2017 8:00	12	12	8	29.83	29.83	-
12/12/2017 9:00	12	12	9	29.65	29.65	-
12/12/2017 10:00	12	12	10	29.73	29.73	-
12/12/2017 11:00	12	12	11	28.75	28.75	-
12/12/2017 12:00	12	12	12	27.93	27.93	-
12/12/2017 13:00	12	12	13	30.43	30.43	-
12/12/2017 14:00	12	12	14	27.12	27.12	-
12/12/2017 15:00	12	12	15	27.73	27.73	-
12/12/2017 16:00	12	12	16	32.42	32.42	-
12/12/2017 17:00	12	12	17	42.08	-	42.08
12/12/2017 18:00	12	12	18	42.02	-	42.02
12/12/2017 19:00	12	12	19	41.33	-	41.33
12/12/2017 20:00	12	12	20	42.62	-	42.62
12/12/2017 21:00	12	12	21	41.65	-	41.65
12/12/2017 22:00	12	12	22	35.00	-	35
12/12/2017 23:00	12	12	23	30.10	-	30.1
12/13/2017 0:00	12	13	0	27.92	-	27.92
12/13/2017 1:00	12	13	1	27.44	-	27.44
12/13/2017 2:00	12	13	2	27.29	-	27.29
12/13/2017 3:00	12	13	3	27.44	-	27.44
12/13/2017 4:00	12	13	4	28.08	-	28.08
12/13/2017 5:00	12	13	5	33.68	-	33.68
12/13/2017 6:00	12	13	6	43.83	-	43.83



12/13/2017 7:00	12	13	7	49.96	-	49.96
12/13/2017 8:00	12	13	8	40.83	40.83	-
12/13/2017 9:00	12	13	9	38.27	38.27	-
12/13/2017 10:00	12	13	10	36.58	36.58	-
12/13/2017 11:00	12	13	11	32.94	32.94	-
12/13/2017 12:00	12	13	12	29.45	29.45	-
12/13/2017 13:00	12	13	13	29.04	29.04	-
12/13/2017 14:00	12	13	14	28.22	28.22	-
12/13/2017 15:00	12	13	15	25.77	25.77	-
12/13/2017 16:00	12	13	16	28.44	28.44	-
12/13/2017 17:00	12	13	17	39.67	-	39.67
12/13/2017 18:00	12	13	18	42.00	-	42
12/13/2017 19:00	12	13	19	40.60	-	40.6
12/13/2017 20:00	12	13	20	37.92	-	37.92
12/13/2017 21:00	12	13	21	33.88	-	33.88
12/13/2017 22:00	12	13	22	28.30	-	28.3
12/13/2017 23:00	12	13	23	26.07	-	26.07
12/14/2017 0:00	12	14	0	25.71	-	25.71
12/14/2017 1:00	12	14	1	25.35	-	25.35
12/14/2017 2:00	12	14	2	25.16	-	25.16
12/14/2017 3:00	12	14	3	25.28	-	25.28
12/14/2017 4:00	12	14	4	26.12	-	26.12
12/14/2017 5:00	12	14	5	28.38	-	28.38
12/14/2017 6:00	12	14	6	38.73	-	38.73
12/14/2017 7:00	12	14	7	47.05	-	47.05
12/14/2017 8:00	12	14	8	38.88	38.88	-
12/14/2017 9:00	12	14	9	35.58	35.58	-
12/14/2017 10:00	12	14	10	32.58	32.58	-
12/14/2017 11:00	12	14	11	31.00	31	-
12/14/2017 12:00	12	14	12	30.05	30.05	-
12/14/2017 13:00	12	14	13	30.38	30.38	-
12/14/2017 14:00	12	14	14	30.22	30.22	-
12/14/2017 15:00	12	14	15	30.09	30.09	-
12/14/2017 16:00	12	14	16	32.99	32.99	-
12/14/2017 17:00	12	14	17	43.98	-	43.98
12/14/2017 18:00	12	14	18	41.58	-	41.58
12/14/2017 19:00	12	14	19	43.69	-	43.69
12/14/2017 20:00	12	14	20	42.48	-	42.48
12/14/2017 21:00	12	14	21	39.25	-	39.25
12/14/2017 22:00	12	14	22	33.38	-	33.38
12/14/2017 23:00	12	14	23	28.60	-	28.6
12/15/2017 0:00	12	15	0	27.76	-	27.76
12/15/2017 1:00	12	15	1	26.91	-	26.91
12/15/2017 2:00	12	15	2	26.73	-	26.73
12/15/2017 3:00	12	15	3	27.03	-	27.03
12/15/2017 4:00	12	15	4	27.47	-	27.47
12/15/2017 5:00	12	15	5	30.15	-	30.15

12/15/2017 6:00	12	15	6		41.98	-	41.98
12/15/2017 7:00	12	15	7		46.67	-	46.67
12/15/2017 8:00	12	15	8		39.35	39.35	-
12/15/2017 9:00	12	15	9		36.73	36.73	-
12/15/2017 10:00	12	15	10		34.66	34.66	-
12/15/2017 11:00	12	15	11		30.72	30.72	-
12/15/2017 12:00	12	15	12		28.87	28.87	-
12/15/2017 13:00	12	15	13		28.24	28.24	-
12/15/2017 14:00	12	15	14		27.40	27.4	-
12/15/2017 15:00	12	15	15		27.54	27.54	-
12/15/2017 16:00	12	15	16		29.53	29.53	-
12/15/2017 17:00	12	15	17		37.96	-	37.96
12/15/2017 18:00	12	15	18		34.35	-	34.35
12/15/2017 19:00	12	15	19		34.30	-	34.3
12/15/2017 20:00	12	15	20		32.13	-	32.13
12/15/2017 21:00	12	15	21		31.20	-	31.2
12/15/2017 22:00	12	15	22		27.66	-	27.66
12/15/2017 23:00	12	15	23		25.21	-	25.21
12/16/2017 0:00	12	16	0	W	26.35	-	26.35
12/16/2017 1:00	12	16	1	W	25.27	-	25.27
12/16/2017 2:00	12	16	2	W	24.40	-	24.4
12/16/2017 3:00	12	16	3	W	24.35	-	24.35
12/16/2017 4:00	12	16	4	W	24.64	-	24.64
12/16/2017 5:00	12	16	5	W	25.48	-	25.48
12/16/2017 6:00	12	16	6	W	28.50	-	28.5
12/16/2017 7:00	12	16	7	W	30.28	-	30.28
12/16/2017 8:00	12	16	8	W	30.85	-	30.85
12/16/2017 9:00	12	16	9	W	31.77	-	31.77
12/16/2017 10:00	12	16	10	W	30.05	-	30.05
12/16/2017 11:00	12	16	11	W	26.38	-	26.38
12/16/2017 12:00	12	16	12	W	24.75	-	24.75
12/16/2017 13:00	12	16	13	W	23.92	-	23.92
12/16/2017 14:00	12	16	14	W	23.33	-	23.33
12/16/2017 15:00	12	16	15	W	23.38	-	23.38
12/16/2017 16:00	12	16	16	W	24.84	-	24.84
12/16/2017 17:00	12	16	17	W	32.86	-	32.86
12/16/2017 18:00	12	16	18	W	30.56	-	30.56
12/16/2017 19:00	12	16	19	W	29.59	-	29.59
12/16/2017 20:00	12	16	20	W	28.44	-	28.44
12/16/2017 21:00	12	16	21	W	27.63	-	27.63
12/16/2017 22:00	12	16	22	W	24.59	-	24.59
12/16/2017 23:00	12	16	23	W	23.64	-	23.64
12/17/2017 0:00	12	17	0	W	25.20	-	25.2
12/17/2017 1:00	12	17	1	W	24.54	-	24.54
12/17/2017 2:00	12	17	2	W	24.33	-	24.33
12/17/2017 3:00	12	17	3	W	24.33	-	24.33
12/17/2017 4:00	12	17	4	W	24.29	-	24.29

12/17/2017 5:00	12	17	5	W	24.66	-	24.66
12/17/2017 6:00	12	17	6	W	25.38	-	25.38
12/17/2017 7:00	12	17	7	W	27.86	-	27.86
12/17/2017 8:00	12	17	8	W	29.86	-	29.86
12/17/2017 9:00	12	17	9	W	28.76	-	28.76
12/17/2017 10:00	12	17	10	W	26.39	-	26.39
12/17/2017 11:00	12	17	11	W	25.05	-	25.05
12/17/2017 12:00	12	17	12	W	24.08	-	24.08
12/17/2017 13:00	12	17	13	W	24.11	-	24.11
12/17/2017 14:00	12	17	14	W	24.03	-	24.03
12/17/2017 15:00	12	17	15	W	24.08	-	24.08
12/17/2017 16:00	12	17	16	W	27.13	-	27.13
12/17/2017 17:00	12	17	17	W	36.10	-	36.1
12/17/2017 18:00	12	17	18	W	33.84	-	33.84
12/17/2017 19:00	12	17	19	W	31.16	-	31.16
12/17/2017 20:00	12	17	20	W	28.95	-	28.95
12/17/2017 21:00	12	17	21	W	26.53	-	26.53
12/17/2017 22:00	12	17	22	W	24.48	-	24.48
12/17/2017 23:00	12	17	23	W	23.45	-	23.45
12/18/2017 0:00	12	18	0		22.35	-	22.35
12/18/2017 1:00	12	18	1		21.85	-	21.85
12/18/2017 2:00	12	18	2		21.57	-	21.57
12/18/2017 3:00	12	18	3		21.84	-	21.84
12/18/2017 4:00	12	18	4		22.56	-	22.56
12/18/2017 5:00	12	18	5		23.42	-	23.42
12/18/2017 6:00	12	18	6		30.58	-	30.58
12/18/2017 7:00	12	18	7		31.18	-	31.18
12/18/2017 8:00	12	18	8		30.16	30.16	-
12/18/2017 9:00	12	18	9		31.07	31.07	-
12/18/2017 10:00	12	18	10		30.30	30.3	-
12/18/2017 11:00	12	18	11		28.36	28.36	-
12/18/2017 12:00	12	18	12		25.71	25.71	-
12/18/2017 13:00	12	18	13		24.90	24.9	-
12/18/2017 14:00	12	18	14		24.30	24.3	-
12/18/2017 15:00	12	18	15		24.18	24.18	-
12/18/2017 16:00	12	18	16		27.09	27.09	-
12/18/2017 17:00	12	18	17		29.60	-	29.6
12/18/2017 18:00	12	18	18		30.46	-	30.46
12/18/2017 19:00	12	18	19		28.23	-	28.23
12/18/2017 20:00	12	18	20		26.82	-	26.82
12/18/2017 21:00	12	18	21		24.63	-	24.63
12/18/2017 22:00	12	18	22		23.04	-	23.04
12/18/2017 23:00	12	18	23		20.90	-	20.9
12/19/2017 0:00	12	19	0		21.03	-	21.03
12/19/2017 1:00	12	19	1		20.49	-	20.49
12/19/2017 2:00	12	19	2		20.12	-	20.12
12/19/2017 3:00	12	19	3		20.10	-	20.1

12/19/2017 4:00	12	19	4	20.38	-	20.38
12/19/2017 5:00	12	19	5	21.05	-	21.05
12/19/2017 6:00	12	19	6	26.59	-	26.59
12/19/2017 7:00	12	19	7	28.40	-	28.4
12/19/2017 8:00	12	19	8	25.61	25.61	-
12/19/2017 9:00	12	19	9	25.06	25.06	-
12/19/2017 10:00	12	19	10	25.13	25.13	-
12/19/2017 11:00	12	19	11	24.12	24.12	-
12/19/2017 12:00	12	19	12	23.59	23.59	-
12/19/2017 13:00	12	19	13	23.39	23.39	-
12/19/2017 14:00	12	19	14	23.07	23.07	-
12/19/2017 15:00	12	19	15	23.16	23.16	-
12/19/2017 16:00	12	19	16	24.87	24.87	-
12/19/2017 17:00	12	19	17	31.82	-	31.82
12/19/2017 18:00	12	19	18	31.08	-	31.08
12/19/2017 19:00	12	19	19	30.46	-	30.46
12/19/2017 20:00	12	19	20	29.82	-	29.82
12/19/2017 21:00	12	19	21	26.67	-	26.67
12/19/2017 22:00	12	19	22	22.96	-	22.96
12/19/2017 23:00	12	19	23	21.03	-	21.03
12/20/2017 0:00	12	20	0	21.10	-	21.1
12/20/2017 1:00	12	20	1	20.41	-	20.41
12/20/2017 2:00	12	20	2	20.30	-	20.3
12/20/2017 3:00	12	20	3	20.38	-	20.38
12/20/2017 4:00	12	20	4	21.08	-	21.08
12/20/2017 5:00	12	20	5	21.86	-	21.86
12/20/2017 6:00	12	20	6	28.42	-	28.42
12/20/2017 7:00	12	20	7	30.11	-	30.11
12/20/2017 8:00	12	20	8	26.86	26.86	-
12/20/2017 9:00	12	20	9	27.07	27.07	-
12/20/2017 10:00	12	20	10	28.62	28.62	-
12/20/2017 11:00	12	20	11	27.54	27.54	-
12/20/2017 12:00	12	20	12	25.42	25.42	-
12/20/2017 13:00	12	20	13	25.27	25.27	-
12/20/2017 14:00	12	20	14	24.98	24.98	-
12/20/2017 15:00	12	20	15	24.98	24.98	-
12/20/2017 16:00	12	20	16	29.96	29.96	-
12/20/2017 17:00	12	20	17	40.38	-	40.38
12/20/2017 18:00	12	20	18	35.92	-	35.92
12/20/2017 19:00	12	20	19	35.98	-	35.98
12/20/2017 20:00	12	20	20	35.95	-	35.95
12/20/2017 21:00	12	20	21	34.50	-	34.5
12/20/2017 22:00	12	20	22	27.84	-	27.84
12/20/2017 23:00	12	20	23	25.26	-	25.26
12/21/2017 0:00	12	21	0	23.58	-	23.58
12/21/2017 1:00	12	21	1	23.23	-	23.23
12/21/2017 2:00	12	21	2	22.94	-	22.94

12/21/2017 3:00	12	21	3		23.28	-	23.28
12/21/2017 4:00	12	21	4		23.89	-	23.89
12/21/2017 5:00	12	21	5		27.91	-	27.91
12/21/2017 6:00	12	21	6		35.02	-	35.02
12/21/2017 7:00	12	21	7		37.36	-	37.36
12/21/2017 8:00	12	21	8		31.60	31.6	-
12/21/2017 9:00	12	21	9		31.01	31.01	-
12/21/2017 10:00	12	21	10		30.49	30.49	-
12/21/2017 11:00	12	21	11		28.57	28.57	-
12/21/2017 12:00	12	21	12		25.49	25.49	-
12/21/2017 13:00	12	21	13		25.22	25.22	-
12/21/2017 14:00	12	21	14		24.50	24.5	-
12/21/2017 15:00	12	21	15		24.47	24.47	-
12/21/2017 16:00	12	21	16		29.06	29.06	-
12/21/2017 17:00	12	21	17		38.83	-	38.83
12/21/2017 18:00	12	21	18		33.98	-	33.98
12/21/2017 19:00	12	21	19		34.59	-	34.59
12/21/2017 20:00	12	21	20		34.41	-	34.41
12/21/2017 21:00	12	21	21		32.78	-	32.78
12/21/2017 22:00	12	21	22		25.06	-	25.06
12/21/2017 23:00	12	21	23		24.70	-	24.7
12/22/2017 0:00	12	22	0		22.91	-	22.91
12/22/2017 1:00	12	22	1		22.08	-	22.08
12/22/2017 2:00	12	22	2		21.60	-	21.6
12/22/2017 3:00	12	22	3		21.55	-	21.55
12/22/2017 4:00	12	22	4		22.48	-	22.48
12/22/2017 5:00	12	22	5		23.63	-	23.63
12/22/2017 6:00	12	22	6		30.88	-	30.88
12/22/2017 7:00	12	22	7		31.30	-	31.3
12/22/2017 8:00	12	22	8		30.42	30.42	-
12/22/2017 9:00	12	22	9		29.80	29.8	-
12/22/2017 10:00	12	22	10		27.35	27.35	-
12/22/2017 11:00	12	22	11		24.70	24.7	-
12/22/2017 12:00	12	22	12		23.36	23.36	-
12/22/2017 13:00	12	22	13		23.18	23.18	-
12/22/2017 14:00	12	22	14		22.82	22.82	-
12/22/2017 15:00	12	22	15		22.52	22.52	-
12/22/2017 16:00	12	22	16		23.74	23.74	-
12/22/2017 17:00	12	22	17		27.42	-	27.42
12/22/2017 18:00	12	22	18		25.11	-	25.11
12/22/2017 19:00	12	22	19		24.32	-	24.32
12/22/2017 20:00	12	22	20		23.97	-	23.97
12/22/2017 21:00	12	22	21		22.94	-	22.94
12/22/2017 22:00	12	22	22		20.90	-	20.9
12/22/2017 23:00	12	22	23		19.29	-	19.29
12/23/2017 0:00	12	23	0	W	19.48	-	19.48
12/23/2017 1:00	12	23	1	W	19.08	-	19.08

12/23/2017 2:00	12	23	2	W	18.86	-	18.86
12/23/2017 3:00	12	23	3	W	18.92	-	18.92
12/23/2017 4:00	12	23	4	W	18.95	-	18.95
12/23/2017 5:00	12	23	5	W	18.81	-	18.81
12/23/2017 6:00	12	23	6	W	19.12	-	19.12
12/23/2017 7:00	12	23	7	W	20.54	-	20.54
12/23/2017 8:00	12	23	8	W	22.11	-	22.11
12/23/2017 9:00	12	23	9	W	23.35	-	23.35
12/23/2017 10:00	12	23	10	W	23.64	-	23.64
12/23/2017 11:00	12	23	11	W	23.50	-	23.5
12/23/2017 12:00	12	23	12	W	23.02	-	23.02
12/23/2017 13:00	12	23	13	W	22.65	-	22.65
12/23/2017 14:00	12	23	14	W	22.26	-	22.26
12/23/2017 15:00	12	23	15	W	21.97	-	21.97
12/23/2017 16:00	12	23	16	W	23.08	-	23.08
12/23/2017 17:00	12	23	17	W	27.07	-	27.07
12/23/2017 18:00	12	23	18	W	24.84	-	24.84
12/23/2017 19:00	12	23	19	W	24.64	-	24.64
12/23/2017 20:00	12	23	20	W	24.08	-	24.08
12/23/2017 21:00	12	23	21	W	23.41	-	23.41
12/23/2017 22:00	12	23	22	W	22.75	-	22.75
12/23/2017 23:00	12	23	23	W	20.90	-	20.9
12/24/2017 0:00	12	24	0	W	22.41	-	22.41
12/24/2017 1:00	12	24	1	W	21.65	-	21.65
12/24/2017 2:00	12	24	2	W	21.47	-	21.47
12/24/2017 3:00	12	24	3	W	21.49	-	21.49
12/24/2017 4:00	12	24	4	W	21.52	-	21.52
12/24/2017 5:00	12	24	5	W	21.61	-	21.61
12/24/2017 6:00	12	24	6	W	22.08	-	22.08
12/24/2017 7:00	12	24	7	W	23.42	-	23.42
12/24/2017 8:00	12	24	8	W	24.84	-	24.84
12/24/2017 9:00	12	24	9	W	26.77	-	26.77
12/24/2017 10:00	12	24	10	W	27.60	-	27.6
12/24/2017 11:00	12	24	11	W	26.64	-	26.64
12/24/2017 12:00	12	24	12	W	25.79	-	25.79
12/24/2017 13:00	12	24	13	W	24.63	-	24.63
12/24/2017 14:00	12	24	14	W	24.11	-	24.11
12/24/2017 15:00	12	24	15	W	23.86	-	23.86
12/24/2017 16:00	12	24	16	W	25.95	-	25.95
12/24/2017 17:00	12	24	17	W	28.97	-	28.97
12/24/2017 18:00	12	24	18	W	27.74	-	27.74
12/24/2017 19:00	12	24	19	W	27.12	-	27.12
12/24/2017 20:00	12	24	20	W	26.35	-	26.35
12/24/2017 21:00	12	24	21	W	25.14	-	25.14
12/24/2017 22:00	12	24	22	W	24.11	-	24.11
12/24/2017 23:00	12	24	23	W	22.56	-	22.56
12/25/2017 0:00	12	25	0		21.21	-	21.21

12/25/2017 1:00	12	25	1	20.35	-	20.35
12/25/2017 2:00	12	25	2	20.26	-	20.26
12/25/2017 3:00	12	25	3	20.18	-	20.18
12/25/2017 4:00	12	25	4	20.17	-	20.17
12/25/2017 5:00	12	25	5	20.59	-	20.59
12/25/2017 6:00	12	25	6	21.84	-	21.84
12/25/2017 7:00	12	25	7	23.73	-	23.73
12/25/2017 8:00	12	25	8	24.78	24.78	-
12/25/2017 9:00	12	25	9	25.60	25.6	-
12/25/2017 10:00	12	25	10	25.62	25.62	-
12/25/2017 11:00	12	25	11	24.69	24.69	-
12/25/2017 12:00	12	25	12	23.71	23.71	-
12/25/2017 13:00	12	25	13	23.47	23.47	-
12/25/2017 14:00	12	25	14	23.12	23.12	-
12/25/2017 15:00	12	25	15	23.32	23.32	-
12/25/2017 16:00	12	25	16	25.21	25.21	-
12/25/2017 17:00	12	25	17	30.78	-	30.78
12/25/2017 18:00	12	25	18	31.01	-	31.01
12/25/2017 19:00	12	25	19	31.20	-	31.2
12/25/2017 20:00	12	25	20	31.42	-	31.42
12/25/2017 21:00	12	25	21	31.28	-	31.28
12/25/2017 22:00	12	25	22	28.10	-	28.1
12/25/2017 23:00	12	25	23	26.50	-	26.5
12/26/2017 0:00	12	26	0	26.17	-	26.17
12/26/2017 1:00	12	26	1	25.71	-	25.71
12/26/2017 2:00	12	26	2	25.45	-	25.45
12/26/2017 3:00	12	26	3	25.78	-	25.78
12/26/2017 4:00	12	26	4	26.66	-	26.66
12/26/2017 5:00	12	26	5	29.47	-	29.47
12/26/2017 6:00	12	26	6	37.13	-	37.13
12/26/2017 7:00	12	26	7	42.94	-	42.94
12/26/2017 8:00	12	26	8	37.78	37.78	-
12/26/2017 9:00	12	26	9	37.61	37.61	-
12/26/2017 10:00	12	26	10	37.02	37.02	-
12/26/2017 11:00	12	26	11	32.74	32.74	-
12/26/2017 12:00	12	26	12	30.86	30.86	-
12/26/2017 13:00	12	26	13	30.87	30.87	-
12/26/2017 14:00	12	26	14	30.26	30.26	-
12/26/2017 15:00	12	26	15	29.84	29.84	-
12/26/2017 16:00	12	26	16	33.04	33.04	-
12/26/2017 17:00	12	26	17	45.52	-	45.52
12/26/2017 18:00	12	26	18	43.05	-	43.05
12/26/2017 19:00	12	26	19	42.16	-	42.16
12/26/2017 20:00	12	26	20	41.13	-	41.13
12/26/2017 21:00	12	26	21	38.91	-	38.91
12/26/2017 22:00	12	26	22	32.36	-	32.36
12/26/2017 23:00	12	26	23	28.97	-	28.97

12/27/2017 0:00	12	27	0	33.72	-	33.72
12/27/2017 1:00	12	27	1	31.79	-	31.79
12/27/2017 2:00	12	27	2	31.17	-	31.17
12/27/2017 3:00	12	27	3	31.63	-	31.63
12/27/2017 4:00	12	27	4	32.70	-	32.7
12/27/2017 5:00	12	27	5	38.98	-	38.98
12/27/2017 6:00	12	27	6	50.89	-	50.89
12/27/2017 7:00	12	27	7	57.30	-	57.3
12/27/2017 8:00	12	27	8	58.07	58.07	-
12/27/2017 9:00	12	27	9	55.36	55.36	-
12/27/2017 10:00	12	27	10	53.28	53.28	-
12/27/2017 11:00	12	27	11	50.56	50.56	-
12/27/2017 12:00	12	27	12	44.19	44.19	-
12/27/2017 13:00	12	27	13	41.14	41.14	-
12/27/2017 14:00	12	27	14	39.32	39.32	-
12/27/2017 15:00	12	27	15	39.27	39.27	-
12/27/2017 16:00	12	27	16	43.78	43.78	-
12/27/2017 17:00	12	27	17	58.48	-	58.48
12/27/2017 18:00	12	27	18	63.73	-	63.73
12/27/2017 19:00	12	27	19	62.40	-	62.4
12/27/2017 20:00	12	27	20	58.47	-	58.47
12/27/2017 21:00	12	27	21	54.13	-	54.13
12/27/2017 22:00	12	27	22	47.27	-	47.27
12/27/2017 23:00	12	27	23	40.61	-	40.61
12/28/2017 0:00	12	28	0	51.12	-	51.12
12/28/2017 1:00	12	28	1	58.37	-	58.37
12/28/2017 2:00	12	28	2	54.52	-	54.52
12/28/2017 3:00	12	28	3	58.38	-	58.38
12/28/2017 4:00	12	28	4	52.89	-	52.89
12/28/2017 5:00	12	28	5	74.25	-	74.25
12/28/2017 6:00	12	28	6	106.52	-	106.52
12/28/2017 7:00	12	28	7	118.93	-	118.93
12/28/2017 8:00	12	28	8	125.19	125.19	-
12/28/2017 9:00	12	28	9	123.49	123.49	-
12/28/2017 10:00	12	28	10	92.18	92.18	-
12/28/2017 11:00	12	28	11	74.50	74.5	-
12/28/2017 12:00	12	28	12	66.39	66.39	-
12/28/2017 13:00	12	28	13	56.96	56.96	-
12/28/2017 14:00	12	28	14	52.47	52.47	-
12/28/2017 15:00	12	28	15	54.26	54.26	-
12/28/2017 16:00	12	28	16	65.16	65.16	-
12/28/2017 17:00	12	28	17	80.62	-	80.62
12/28/2017 18:00	12	28	18	92.28	-	92.28
12/28/2017 19:00	12	28	19	93.27	-	93.27
12/28/2017 20:00	12	28	20	76.04	-	76.04
12/28/2017 21:00	12	28	21	68.19	-	68.19
12/28/2017 22:00	12	28	22	58.10	-	58.1



12/28/2017 23:00	12	28	23		46.61	-	46.61
12/29/2017 0:00	12	29	0		71.31	-	71.31
12/29/2017 1:00	12	29	1		58.02	-	58.02
12/29/2017 2:00	12	29	2		53.54	-	53.54
12/29/2017 3:00	12	29	3		54.93	-	54.93
12/29/2017 4:00	12	29	4		53.66	-	53.66
12/29/2017 5:00	12	29	5		59.91	-	59.91
12/29/2017 6:00	12	29	6		72.48	-	72.48
12/29/2017 7:00	12	29	7		88.13	-	88.13
12/29/2017 8:00	12	29	8		96.00	96	-
12/29/2017 9:00	12	29	9		93.12	93.12	-
12/29/2017 10:00	12	29	10		77.62	77.62	-
12/29/2017 11:00	12	29	11		70.33	70.33	-
12/29/2017 12:00	12	29	12		62.85	62.85	-
12/29/2017 13:00	12	29	13		61.25	61.25	-
12/29/2017 14:00	12	29	14		54.68	54.68	-
12/29/2017 15:00	12	29	15		53.90	53.9	-
12/29/2017 16:00	12	29	16		60.52	60.52	-
12/29/2017 17:00	12	29	17		77.90	-	77.9
12/29/2017 18:00	12	29	18		89.65	-	89.65
12/29/2017 19:00	12	29	19		84.40	-	84.4
12/29/2017 20:00	12	29	20		79.30	-	79.3
12/29/2017 21:00	12	29	21		72.12	-	72.12
12/29/2017 22:00	12	29	22		66.76	-	66.76
12/29/2017 23:00	12	29	23		50.36	-	50.36
12/30/2017 0:00	12	30	0	W	37.10	-	37.1
12/30/2017 1:00	12	30	1	W	31.35	-	31.35
12/30/2017 2:00	12	30	2	W	29.12	-	29.12
12/30/2017 3:00	12	30	3	W	28.18	-	28.18
12/30/2017 4:00	12	30	4	W	28.31	-	28.31
12/30/2017 5:00	12	30	5	W	29.74	-	29.74
12/30/2017 6:00	12	30	6	W	35.09	-	35.09
12/30/2017 7:00	12	30	7	W	41.04	-	41.04
12/30/2017 8:00	12	30	8	W	47.46	-	47.46
12/30/2017 9:00	12	30	9	W	50.33	-	50.33
12/30/2017 10:00	12	30	10	W	44.51	-	44.51
12/30/2017 11:00	12	30	11	W	37.06	-	37.06
12/30/2017 12:00	12	30	12	W	34.13	-	34.13
12/30/2017 13:00	12	30	13	W	31.54	-	31.54
12/30/2017 14:00	12	30	14	W	29.21	-	29.21
12/30/2017 15:00	12	30	15	W	29.34	-	29.34
12/30/2017 16:00	12	30	16	W	36.31	-	36.31
12/30/2017 17:00	12	30	17	W	53.43	-	53.43
12/30/2017 18:00	12	30	18	W	62.83	-	62.83
12/30/2017 19:00	12	30	19	W	55.15	-	55.15
12/30/2017 20:00	12	30	20	W	50.76	-	50.76
12/30/2017 21:00	12	30	21	W	46.16	-	46.16

12/30/2017 22:00	12	30	22	W	43.68	-	43.68
12/30/2017 23:00	12	30	23	W	37.60	-	37.6
12/31/2017 0:00	12	31	0	W	31.91	-	31.91
12/31/2017 1:00	12	31	1	W	29.68	-	29.68
12/31/2017 2:00	12	31	2	W	28.79	-	28.79
12/31/2017 3:00	12	31	3	W	28.47	-	28.47
12/31/2017 4:00	12	31	4	W	30.06	-	30.06
12/31/2017 5:00	12	31	5	W	33.40	-	33.4
12/31/2017 6:00	12	31	6	W	35.86	-	35.86
12/31/2017 7:00	12	31	7	W	39.54	-	39.54
12/31/2017 8:00	12	31	8	W	44.86	-	44.86
12/31/2017 9:00	12	31	9	W	49.08	-	49.08
12/31/2017 10:00	12	31	10	W	45.27	-	45.27
12/31/2017 11:00	12	31	11	W	35.54	-	35.54
12/31/2017 12:00	12	31	12	W	29.74	-	29.74
12/31/2017 13:00	12	31	13	W	28.73	-	28.73
12/31/2017 14:00	12	31	14	W	28.09	-	28.09
12/31/2017 15:00	12	31	15	W	29.16	-	29.16
12/31/2017 16:00	12	31	16	W	40.56	-	40.56
12/31/2017 17:00	12	31	17	W	64.78	-	64.78
12/31/2017 18:00	12	31	18	W	76.02	-	76.02
12/31/2017 19:00	12	31	19	W	66.02	-	66.02
12/31/2017 20:00	12	31	20	W	60.65	-	60.65
12/31/2017 21:00	12	31	21	W	52.72	-	52.72
12/31/2017 22:00	12	31	22	W	49.95	-	49.95
12/31/2017 23:00	12	31	23	W	36.95	-	36.95

LMP: AEPKYRESIDAGG.RESIDUALMETEREDEDC  
 Year: 2018

f-Peak

	First month	Last month	Start time		End
On-Peak	1	12	8	9:00 AM	17

Average LMP Price:

Time Stamp	Month	Day	Hour	Weekend (W)	LMP (\$/MWh)
01/01/2018 0:00	1	1	0		42.78
01/01/2018 1:00	1	1	1		37.08
01/01/2018 2:00	1	1	2		33.65
01/01/2018 3:00	1	1	3		35.12
01/01/2018 4:00	1	1	4		34.20
01/01/2018 5:00	1	1	5		41.27
01/01/2018 6:00	1	1	6		49.05
01/01/2018 7:00	1	1	7		52.45
01/01/2018 8:00	1	1	8		61.50
01/01/2018 9:00	1	1	9		64.90
01/01/2018 10:00	1	1	10		63.38
01/01/2018 11:00	1	1	11		48.93
01/01/2018 12:00	1	1	12		38.46
01/01/2018 13:00	1	1	13		33.07
01/01/2018 14:00	1	1	14		31.93
01/01/2018 15:00	1	1	15		33.80
01/01/2018 16:00	1	1	16		45.31
01/01/2018 17:00	1	1	17		73.62
01/01/2018 18:00	1	1	18		87.18
01/01/2018 19:00	1	1	19		79.67
01/01/2018 20:00	1	1	20		74.27
01/01/2018 21:00	1	1	21		71.74
01/01/2018 22:00	1	1	22		61.07
01/01/2018 23:00	1	1	23		46.28
01/02/2018 0:00	1	2	0		124.84
01/02/2018 1:00	1	2	1		134.03
01/02/2018 2:00	1	2	2		135.87
01/02/2018 3:00	1	2	3		150.76
01/02/2018 4:00	1	2	4		121.15
01/02/2018 5:00	1	2	5		156.01
01/02/2018 6:00	1	2	6		180.27
01/02/2018 7:00	1	2	7		193.40
01/02/2018 8:00	1	2	8		229.05
01/02/2018 9:00	1	2	9		169.08
01/02/2018 10:00	1	2	10		158.75
01/02/2018 11:00	1	2	11		102.13
01/02/2018 12:00	1	2	12		83.57
01/02/2018 13:00	1	2	13		65.25
01/02/2018 14:00	1	2	14		58.85

01/02/2018 15:00	1	2	15	55.36
01/02/2018 16:00	1	2	16	72.62
01/02/2018 17:00	1	2	17	138.81
01/02/2018 18:00	1	2	18	143.13
01/02/2018 19:00	1	2	19	130.24
01/02/2018 20:00	1	2	20	121.94
01/02/2018 21:00	1	2	21	113.34
01/02/2018 22:00	1	2	22	108.97
01/02/2018 23:00	1	2	23	89.11
01/03/2018 0:00	1	3	0	127.73
01/03/2018 1:00	1	3	1	116.68
01/03/2018 2:00	1	3	2	116.75
01/03/2018 3:00	1	3	3	118.40
01/03/2018 4:00	1	3	4	126.67
01/03/2018 5:00	1	3	5	139.38
01/03/2018 6:00	1	3	6	212.74
01/03/2018 7:00	1	3	7	189.43
01/03/2018 8:00	1	3	8	198.89
01/03/2018 9:00	1	3	9	179.30
01/03/2018 10:00	1	3	10	129.57
01/03/2018 11:00	1	3	11	97.82
01/03/2018 12:00	1	3	12	91.36
01/03/2018 13:00	1	3	13	82.22
01/03/2018 14:00	1	3	14	73.66
01/03/2018 15:00	1	3	15	72.25
01/03/2018 16:00	1	3	16	83.45
01/03/2018 17:00	1	3	17	140.27
01/03/2018 18:00	1	3	18	173.25
01/03/2018 19:00	1	3	19	152.92
01/03/2018 20:00	1	3	20	134.13
01/03/2018 21:00	1	3	21	114.41
01/03/2018 22:00	1	3	22	100.69
01/03/2018 23:00	1	3	23	78.63
01/04/2018 0:00	1	4	0	92.66
01/04/2018 1:00	1	4	1	87.08
01/04/2018 2:00	1	4	2	78.93
01/04/2018 3:00	1	4	3	80.59
01/04/2018 4:00	1	4	4	76.03
01/04/2018 5:00	1	4	5	83.26
01/04/2018 6:00	1	4	6	103.15
01/04/2018 7:00	1	4	7	125.12
01/04/2018 8:00	1	4	8	127.05
01/04/2018 9:00	1	4	9	128.86
01/04/2018 10:00	1	4	10	155.03
01/04/2018 11:00	1	4	11	135.14
01/04/2018 12:00	1	4	12	114.39
01/04/2018 13:00	1	4	13	102.25

01/04/2018 14:00	1	4	14		98.21
01/04/2018 15:00	1	4	15		97.10
01/04/2018 16:00	1	4	16		111.05
01/04/2018 17:00	1	4	17		148.45
01/04/2018 18:00	1	4	18		170.69
01/04/2018 19:00	1	4	19		167.94
01/04/2018 20:00	1	4	20		157.63
01/04/2018 21:00	1	4	21		155.71
01/04/2018 22:00	1	4	22		144.44
01/04/2018 23:00	1	4	23		121.50
01/05/2018 0:00	1	5	0		142.51
01/05/2018 1:00	1	5	1		138.43
01/05/2018 2:00	1	5	2		139.61
01/05/2018 3:00	1	5	3		143.49
01/05/2018 4:00	1	5	4		142.60
01/05/2018 5:00	1	5	5		166.38
01/05/2018 6:00	1	5	6		253.09
01/05/2018 7:00	1	5	7		228.26
01/05/2018 8:00	1	5	8		268.04
01/05/2018 9:00	1	5	9		305.49
01/05/2018 10:00	1	5	10		284.29
01/05/2018 11:00	1	5	11		132.97
01/05/2018 12:00	1	5	12		108.16
01/05/2018 13:00	1	5	13		107.64
01/05/2018 14:00	1	5	14		77.30
01/05/2018 15:00	1	5	15		91.64
01/05/2018 16:00	1	5	16		98.47
01/05/2018 17:00	1	5	17		163.66
01/05/2018 18:00	1	5	18		211.13
01/05/2018 19:00	1	5	19		183.75
01/05/2018 20:00	1	5	20		194.29
01/05/2018 21:00	1	5	21		166.83
01/05/2018 22:00	1	5	22		125.30
01/05/2018 23:00	1	5	23		122.70
01/06/2018 0:00	1	6	0	W	104.40
01/06/2018 1:00	1	6	1	W	99.14
01/06/2018 2:00	1	6	2	W	103.18
01/06/2018 3:00	1	6	3	W	109.89
01/06/2018 4:00	1	6	4	W	107.59
01/06/2018 5:00	1	6	5	W	120.56
01/06/2018 6:00	1	6	6	W	133.41
01/06/2018 7:00	1	6	7	W	133.02
01/06/2018 8:00	1	6	8	W	155.31
01/06/2018 9:00	1	6	9	W	91.06
01/06/2018 10:00	1	6	10	W	74.89
01/06/2018 11:00	1	6	11	W	62.03
01/06/2018 12:00	1	6	12	W	48.19

01/06/2018 13:00	1	6	13	W	45.62
01/06/2018 14:00	1	6	14	W	37.34
01/06/2018 15:00	1	6	15	W	37.88
01/06/2018 16:00	1	6	16	W	60.64
01/06/2018 17:00	1	6	17	W	97.84
01/06/2018 18:00	1	6	18	W	136.32
01/06/2018 19:00	1	6	19	W	100.48
01/06/2018 20:00	1	6	20	W	92.51
01/06/2018 21:00	1	6	21	W	90.78
01/06/2018 22:00	1	6	22	W	81.62
01/06/2018 23:00	1	6	23	W	96.24
01/07/2018 0:00	1	7	0	W	120.81
01/07/2018 1:00	1	7	1	W	110.89
01/07/2018 2:00	1	7	2	W	90.18
01/07/2018 3:00	1	7	3	W	114.23
01/07/2018 4:00	1	7	4	W	93.52
01/07/2018 5:00	1	7	5	W	119.01
01/07/2018 6:00	1	7	6	W	135.44
01/07/2018 7:00	1	7	7	W	134.15
01/07/2018 8:00	1	7	8	W	134.31
01/07/2018 9:00	1	7	9	W	110.81
01/07/2018 10:00	1	7	10	W	100.36
01/07/2018 11:00	1	7	11	W	61.56
01/07/2018 12:00	1	7	12	W	52.90
01/07/2018 13:00	1	7	13	W	44.48
01/07/2018 14:00	1	7	14	W	35.54
01/07/2018 15:00	1	7	15	W	33.93
01/07/2018 16:00	1	7	16	W	47.31
01/07/2018 17:00	1	7	17	W	80.81
01/07/2018 18:00	1	7	18	W	119.44
01/07/2018 19:00	1	7	19	W	92.17
01/07/2018 20:00	1	7	20	W	103.81
01/07/2018 21:00	1	7	21	W	72.48
01/07/2018 22:00	1	7	22	W	64.75
01/07/2018 23:00	1	7	23	W	45.12
01/08/2018 0:00	1	8	0		68.87
01/08/2018 1:00	1	8	1		64.84
01/08/2018 2:00	1	8	2		64.22
01/08/2018 3:00	1	8	3		68.17
01/08/2018 4:00	1	8	4		70.51
01/08/2018 5:00	1	8	5		80.01
01/08/2018 6:00	1	8	6		102.96
01/08/2018 7:00	1	8	7		100.49
01/08/2018 8:00	1	8	8		87.20
01/08/2018 9:00	1	8	9		78.80
01/08/2018 10:00	1	8	10		64.45
01/08/2018 11:00	1	8	11		53.69

01/08/2018 12:00	1	8	12	47.91
01/08/2018 13:00	1	8	13	43.24
01/08/2018 14:00	1	8	14	34.71
01/08/2018 15:00	1	8	15	33.31
01/08/2018 16:00	1	8	16	44.23
01/08/2018 17:00	1	8	17	74.85
01/08/2018 18:00	1	8	18	80.69
01/08/2018 19:00	1	8	19	71.14
01/08/2018 20:00	1	8	20	62.66
01/08/2018 21:00	1	8	21	46.43
01/08/2018 22:00	1	8	22	39.98
01/08/2018 23:00	1	8	23	27.30
01/09/2018 0:00	1	9	0	31.59
01/09/2018 1:00	1	9	1	28.53
01/09/2018 2:00	1	9	2	27.85
01/09/2018 3:00	1	9	3	28.65
01/09/2018 4:00	1	9	4	30.96
01/09/2018 5:00	1	9	5	39.96
01/09/2018 6:00	1	9	6	54.69
01/09/2018 7:00	1	9	7	56.31
01/09/2018 8:00	1	9	8	47.86
01/09/2018 9:00	1	9	9	46.83
01/09/2018 10:00	1	9	10	37.58
01/09/2018 11:00	1	9	11	33.57
01/09/2018 12:00	1	9	12	31.04
01/09/2018 13:00	1	9	13	29.79
01/09/2018 14:00	1	9	14	28.62
01/09/2018 15:00	1	9	15	28.60
01/09/2018 16:00	1	9	16	33.46
01/09/2018 17:00	1	9	17	46.56
01/09/2018 18:00	1	9	18	48.25
01/09/2018 19:00	1	9	19	47.83
01/09/2018 20:00	1	9	20	44.04
01/09/2018 21:00	1	9	21	40.12
01/09/2018 22:00	1	9	22	32.68
01/09/2018 23:00	1	9	23	28.53
01/10/2018 0:00	1	10	0	35.13
01/10/2018 1:00	1	10	1	32.89
01/10/2018 2:00	1	10	2	31.54
01/10/2018 3:00	1	10	3	32.72
01/10/2018 4:00	1	10	4	36.35
01/10/2018 5:00	1	10	5	40.39
01/10/2018 6:00	1	10	6	52.68
01/10/2018 7:00	1	10	7	54.13
01/10/2018 8:00	1	10	8	43.28
01/10/2018 9:00	1	10	9	39.61
01/10/2018 10:00	1	10	10	35.16

01/10/2018 11:00	1	10	11	32.54
01/10/2018 12:00	1	10	12	29.26
01/10/2018 13:00	1	10	13	28.33
01/10/2018 14:00	1	10	14	27.58
01/10/2018 15:00	1	10	15	27.43
01/10/2018 16:00	1	10	16	28.68
01/10/2018 17:00	1	10	17	39.85
01/10/2018 18:00	1	10	18	38.57
01/10/2018 19:00	1	10	19	33.09
01/10/2018 20:00	1	10	20	30.39
01/10/2018 21:00	1	10	21	30.29
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01/10/2018 23:00	1	10	23	24.59
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01/11/2018 1:00	1	11	1	22.73
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01/11/2018 8:00	1	11	8	29.40
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01/11/2018 10:00	1	11	10	29.32
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01/11/2018 15:00	1	11	15	24.72
01/11/2018 16:00	1	11	16	26.74
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01/12/2018 18:00	1	12	18		37.04
01/12/2018 19:00	1	12	19		35.81
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01/13/2018 2:00	1	13	2	W	22.56
01/13/2018 3:00	1	13	3	W	22.66
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01/13/2018 5:00	1	13	5	W	23.46
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01/14/2018 1:00	1	14	1	W	78.75
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01/14/2018 18:00	1	14	18	W	133.29
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01/19/2018 14:00	1	19	14		26.20
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01/20/2018 17:00	1	20	17	W	30.75
01/20/2018 18:00	1	20	18	W	32.19
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01/25/2018 2:00	1	25	2	27.59
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01/26/2018 18:00	1	26	18		34.02
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01/26/2018 23:00	1	26	23		23.83
01/27/2018 0:00	1	27	0	W	24.14
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01/27/2018 3:00	1	27	3	W	23.24
01/27/2018 4:00	1	27	4	W	23.15
01/27/2018 5:00	1	27	5	W	23.89
01/27/2018 6:00	1	27	6	W	27.13
01/27/2018 7:00	1	27	7	W	29.40
01/27/2018 8:00	1	27	8	W	30.62
01/27/2018 9:00	1	27	9	W	30.86
01/27/2018 10:00	1	27	10	W	29.94
01/27/2018 11:00	1	27	11	W	26.96
01/27/2018 12:00	1	27	12	W	25.06
01/27/2018 13:00	1	27	13	W	24.10
01/27/2018 14:00	1	27	14	W	23.67
01/27/2018 15:00	1	27	15	W	23.72
01/27/2018 16:00	1	27	16	W	24.35
01/27/2018 17:00	1	27	17	W	33.54
01/27/2018 18:00	1	27	18	W	32.52
01/27/2018 19:00	1	27	19	W	28.34
01/27/2018 20:00	1	27	20	W	27.78
01/27/2018 21:00	1	27	21	W	25.71
01/27/2018 22:00	1	27	22	W	24.13
01/27/2018 23:00	1	27	23	W	23.07
01/28/2018 0:00	1	28	0	W	22.60
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01/28/2018 2:00	1	28	2	W	21.74
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01/28/2018 5:00	1	28	5	W	22.47
01/28/2018 6:00	1	28	6	W	23.68
01/28/2018 7:00	1	28	7	W	24.20
01/28/2018 8:00	1	28	8	W	25.29
01/28/2018 9:00	1	28	9	W	26.31
01/28/2018 10:00	1	28	10	W	26.62
01/28/2018 11:00	1	28	11	W	25.44
01/28/2018 12:00	1	28	12	W	25.52
01/28/2018 13:00	1	28	13	W	25.00
01/28/2018 14:00	1	28	14	W	24.83
01/28/2018 15:00	1	28	15	W	24.81
01/28/2018 16:00	1	28	16	W	26.03
01/28/2018 17:00	1	28	17	W	37.37
01/28/2018 18:00	1	28	18	W	35.50
01/28/2018 19:00	1	28	19	W	34.93
01/28/2018 20:00	1	28	20	W	34.65
01/28/2018 21:00	1	28	21	W	28.92
01/28/2018 22:00	1	28	22	W	25.29
01/28/2018 23:00	1	28	23	W	24.62
01/29/2018 0:00	1	29	0		23.83
01/29/2018 1:00	1	29	1		23.58
01/29/2018 2:00	1	29	2		23.53
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01/29/2018 6:00	1	29	6		41.66
01/29/2018 7:00	1	29	7		45.69
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01/29/2018 10:00	1	29	10		42.40
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01/29/2018 12:00	1	29	12		34.71
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01/29/2018 16:00	1	29	16		36.38
01/29/2018 17:00	1	29	17		51.87
01/29/2018 18:00	1	29	18		51.60
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01/30/2018 11:00	1	30	11	42.73
01/30/2018 12:00	1	30	12	38.71
01/30/2018 13:00	1	30	13	36.23
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01/30/2018 15:00	1	30	15	34.65
01/30/2018 16:00	1	30	16	39.43
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01/30/2018 19:00	1	30	19	57.14
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01/30/2018 21:00	1	30	21	48.13
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01/31/2018 1:00	1	31	1	38.05
01/31/2018 2:00	1	31	2	37.23
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01/31/2018 4:00	1	31	4	43.08
01/31/2018 5:00	1	31	5	57.42
01/31/2018 6:00	1	31	6	75.11
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01/31/2018 12:00	1	31	12	34.50
01/31/2018 13:00	1	31	13	29.97
01/31/2018 14:00	1	31	14	28.72
01/31/2018 15:00	1	31	15	29.10
01/31/2018 16:00	1	31	16	30.76
01/31/2018 17:00	1	31	17	39.82
01/31/2018 18:00	1	31	18	45.33
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01/31/2018 22:00	1	31	22	30.48
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02/01/2018 1:00	2	1	1	26.92
02/01/2018 2:00	2	1	2	26.41
02/01/2018 3:00	2	1	3	26.42
02/01/2018 4:00	2	1	4	26.90
02/01/2018 5:00	2	1	5	29.65
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02/01/2018 8:00	2	1	8	36.60
02/01/2018 9:00	2	1	9	33.67
02/01/2018 10:00	2	1	10	32.50
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02/02/2018 21:00	2	2	21	58.02
02/02/2018 22:00	2	2	22	47.21

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02/03/2018 0:00	2	3	0	W	36.35
02/03/2018 1:00	2	3	1	W	34.64
02/03/2018 2:00	2	3	2	W	32.64
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02/03/2018 5:00	2	3	5	W	37.60
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02/03/2018 8:00	2	3	8	W	47.34
02/03/2018 9:00	2	3	9	W	43.35
02/03/2018 10:00	2	3	10	W	31.32
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02/03/2018 12:00	2	3	12	W	25.90
02/03/2018 13:00	2	3	13	W	24.66
02/03/2018 14:00	2	3	14	W	24.15
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02/03/2018 16:00	2	3	16	W	24.49
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02/03/2018 18:00	2	3	18	W	30.67
02/03/2018 19:00	2	3	19	W	28.27
02/03/2018 20:00	2	3	20	W	28.68
02/03/2018 21:00	2	3	21	W	26.87
02/03/2018 22:00	2	3	22	W	25.01
02/03/2018 23:00	2	3	23	W	23.66
02/04/2018 0:00	2	4	0	W	23.74
02/04/2018 1:00	2	4	1	W	23.59
02/04/2018 2:00	2	4	2	W	23.17
02/04/2018 3:00	2	4	3	W	23.23
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02/04/2018 5:00	2	4	5	W	23.73
02/04/2018 6:00	2	4	6	W	24.34
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02/04/2018 10:00	2	4	10	W	25.92
02/04/2018 11:00	2	4	11	W	25.15
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02/04/2018 13:00	2	4	13	W	24.44
02/04/2018 14:00	2	4	14	W	24.19
02/04/2018 15:00	2	4	15	W	24.10
02/04/2018 16:00	2	4	16	W	24.71
02/04/2018 17:00	2	4	17	W	28.29
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02/04/2018 19:00	2	4	19	W	27.44
02/04/2018 20:00	2	4	20	W	27.47
02/04/2018 21:00	2	4	21	W	26.09

02/04/2018 22:00	2	4	22	W	24.77
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02/05/2018 1:00	2	5	1		23.26
02/05/2018 2:00	2	5	2		23.27
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02/05/2018 4:00	2	5	4		24.14
02/05/2018 5:00	2	5	5		28.33
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02/05/2018 7:00	2	5	7		43.75
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02/05/2018 9:00	2	5	9		38.02
02/05/2018 10:00	2	5	10		36.77
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02/06/2018 14:00	2	6	14		25.42
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02/07/2018 0:00	2	7	0	25.04
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02/07/2018 13:00	2	7	13	32.11
02/07/2018 14:00	2	7	14	29.93
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02/07/2018 20:00	2	7	20	37.45
02/07/2018 21:00	2	7	21	33.20
02/07/2018 22:00	2	7	22	27.19
02/07/2018 23:00	2	7	23	24.15
02/08/2018 0:00	2	8	0	25.02
02/08/2018 1:00	2	8	1	24.79
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02/08/2018 3:00	2	8	3	25.57
02/08/2018 4:00	2	8	4	26.78
02/08/2018 5:00	2	8	5	31.69
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02/08/2018 7:00	2	8	7	49.30
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02/08/2018 14:00	2	8	14	28.32
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02/09/2018 2:00	2	9	2		26.34
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02/09/2018 14:00	2	9	14		24.50
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02/09/2018 17:00	2	9	17		27.37
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02/09/2018 19:00	2	9	19		26.85
02/09/2018 20:00	2	9	20		27.15
02/09/2018 21:00	2	9	21		24.99
02/09/2018 22:00	2	9	22		23.33
02/09/2018 23:00	2	9	23		22.12
02/10/2018 0:00	2	10	0	W	22.34
02/10/2018 1:00	2	10	1	W	21.39
02/10/2018 2:00	2	10	2	W	21.12
02/10/2018 3:00	2	10	3	W	21.10
02/10/2018 4:00	2	10	4	W	21.08
02/10/2018 5:00	2	10	5	W	21.64
02/10/2018 6:00	2	10	6	W	23.01
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02/10/2018 13:00	2	10	13	W	23.02
02/10/2018 14:00	2	10	14	W	22.53
02/10/2018 15:00	2	10	15	W	22.20
02/10/2018 16:00	2	10	16	W	22.46
02/10/2018 17:00	2	10	17	W	24.11
02/10/2018 18:00	2	10	18	W	25.86

02/10/2018 19:00	2	10	19	W	23.37
02/10/2018 20:00	2	10	20	W	23.48
02/10/2018 21:00	2	10	21	W	22.57
02/10/2018 22:00	2	10	22	W	21.16
02/10/2018 23:00	2	10	23	W	20.88
02/11/2018 0:00	2	11	0	W	20.51
02/11/2018 1:00	2	11	1	W	19.04
02/11/2018 2:00	2	11	2	W	19.04
02/11/2018 3:00	2	11	3	W	18.91
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02/11/2018 15:00	2	11	15	W	21.76
02/11/2018 16:00	2	11	16	W	22.29
02/11/2018 17:00	2	11	17	W	24.39
02/11/2018 18:00	2	11	18	W	26.41
02/11/2018 19:00	2	11	19	W	24.73
02/11/2018 20:00	2	11	20	W	24.34
02/11/2018 21:00	2	11	21	W	23.04
02/11/2018 22:00	2	11	22	W	21.97
02/11/2018 23:00	2	11	23	W	20.37
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02/12/2018 1:00	2	12	1		19.49
02/12/2018 2:00	2	12	2		19.26
02/12/2018 3:00	2	12	3		19.60
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02/12/2018 10:00	2	12	10		27.95
02/12/2018 11:00	2	12	11		27.11
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02/12/2018 13:00	2	12	13		25.92
02/12/2018 14:00	2	12	14		25.08
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02/12/2018 16:00	2	12	16		25.21
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02/12/2018 19:00	2	12	19	30.13
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02/12/2018 21:00	2	12	21	28.31
02/12/2018 22:00	2	12	22	24.56
02/12/2018 23:00	2	12	23	22.76
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02/13/2018 11:00	2	13	11	26.67
02/13/2018 12:00	2	13	12	25.37
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02/13/2018 14:00	2	13	14	23.85
02/13/2018 15:00	2	13	15	23.74
02/13/2018 16:00	2	13	16	24.35
02/13/2018 17:00	2	13	17	30.22
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02/13/2018 20:00	2	13	20	28.17
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02/14/2018 2:00	2	14	2	20.24
02/14/2018 3:00	2	14	3	20.17
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02/16/2018 14:00	2	16	14	25.94
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02/16/2018 23:00	2	16	23		23.26
02/17/2018 0:00	2	17	0	W	23.29
02/17/2018 1:00	2	17	1	W	23.25
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02/17/2018 5:00	2	17	5	W	23.45
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02/17/2018 13:00	2	17	13	W	24.73
02/17/2018 14:00	2	17	14	W	24.19
02/17/2018 15:00	2	17	15	W	24.03
02/17/2018 16:00	2	17	16	W	25.75
02/17/2018 17:00	2	17	17	W	28.10
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02/18/2018 1:00	2	18	1	W	20.75
02/18/2018 2:00	2	18	2	W	20.59
02/18/2018 3:00	2	18	3	W	20.61
02/18/2018 4:00	2	18	4	W	20.56
02/18/2018 5:00	2	18	5	W	22.03
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02/18/2018 8:00	2	18	8	W	25.52
02/18/2018 9:00	2	18	9	W	24.91
02/18/2018 10:00	2	18	10	W	23.53
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02/18/2018 12:00	2	18	12	W	21.37
02/18/2018 13:00	2	18	13	W	20.84
02/18/2018 14:00	2	18	14	W	20.67

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02/18/2018 20:00	2	18	20	W	25.72
02/18/2018 21:00	2	18	21	W	24.70
02/18/2018 22:00	2	18	22	W	22.71
02/18/2018 23:00	2	18	23	W	20.65
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02/19/2018 1:00	2	19	1		20.03
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02/20/2018 5:00	2	20	5		19.98
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02/20/2018 12:00	2	20	12		24.71
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02/20/2018 21:00	2	20	21	23.18
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02/21/2018 0:00	2	21	0	19.59
02/21/2018 1:00	2	21	1	19.20
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02/21/2018 21:00	2	21	21	29.79
02/21/2018 22:00	2	21	22	23.23
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02/22/2018 1:00	2	22	1	19.35
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02/22/2018 11:00	2	22	11	30.43
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02/22/2018 15:00	2	22	15		27.42
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02/22/2018 17:00	2	22	17		30.73
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02/23/2018 18:00	2	23	18		27.54
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02/24/2018 0:00	2	24	0	W	19.98
02/24/2018 1:00	2	24	1	W	19.23
02/24/2018 2:00	2	24	2	W	18.83
02/24/2018 3:00	2	24	3	W	18.78
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02/24/2018 5:00	2	24	5	W	19.56
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02/24/2018 9:00	2	24	9	W	24.50
02/24/2018 10:00	2	24	10	W	25.87
02/24/2018 11:00	2	24	11	W	24.70

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02/24/2018 15:00	2	24	15	W	21.27
02/24/2018 16:00	2	24	16	W	21.77
02/24/2018 17:00	2	24	17	W	23.74
02/24/2018 18:00	2	24	18	W	26.62
02/24/2018 19:00	2	24	19	W	24.19
02/24/2018 20:00	2	24	20	W	22.56
02/24/2018 21:00	2	24	21	W	21.54
02/24/2018 22:00	2	24	22	W	20.24
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02/25/2018 4:00	2	25	4	W	17.70
02/25/2018 5:00	2	25	5	W	17.78
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02/25/2018 7:00	2	25	7	W	19.01
02/25/2018 8:00	2	25	8	W	20.64
02/25/2018 9:00	2	25	9	W	21.80
02/25/2018 10:00	2	25	10	W	22.20
02/25/2018 11:00	2	25	11	W	21.66
02/25/2018 12:00	2	25	12	W	21.28
02/25/2018 13:00	2	25	13	W	20.74
02/25/2018 14:00	2	25	14	W	20.73
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02/25/2018 17:00	2	25	17	W	24.74
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02/25/2018 21:00	2	25	21	W	23.90
02/25/2018 22:00	2	25	22	W	21.00
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02/26/2018 3:00	2	26	3		19.24
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02/26/2018 6:00	2	26	6		39.51
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02/26/2018 15:00	2	26	15	24.50
02/26/2018 16:00	2	26	16	24.99
02/26/2018 17:00	2	26	17	28.01
02/26/2018 18:00	2	26	18	32.50
02/26/2018 19:00	2	26	19	30.31
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02/26/2018 21:00	2	26	21	30.67
02/26/2018 22:00	2	26	22	23.72
02/26/2018 23:00	2	26	23	22.09
02/27/2018 0:00	2	27	0	22.67
02/27/2018 1:00	2	27	1	22.92
02/27/2018 2:00	2	27	2	22.49
02/27/2018 3:00	2	27	3	23.03
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02/27/2018 6:00	2	27	6	40.93
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02/27/2018 9:00	2	27	9	31.37
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02/27/2018 11:00	2	27	11	24.85
02/27/2018 12:00	2	27	12	23.91
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02/28/2018 1:00	2	28	1	20.53
02/28/2018 2:00	2	28	2	20.18
02/28/2018 3:00	2	28	3	20.34
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02/28/2018 5:00	2	28	5	24.30
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02/28/2018 13:00	2	28	13	25.28
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02/28/2018 17:00	2	28	17	28.16
02/28/2018 18:00	2	28	18	33.86
02/28/2018 19:00	2	28	19	30.01
02/28/2018 20:00	2	28	20	28.58
02/28/2018 21:00	2	28	21	26.17
02/28/2018 22:00	2	28	22	22.65
02/28/2018 23:00	2	28	23	21.47
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03/01/2018 4:00	3	1	4	21.14
03/01/2018 5:00	3	1	5	22.67
03/01/2018 6:00	3	1	6	31.30
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03/01/2018 9:00	3	1	9	30.44
03/01/2018 10:00	3	1	10	31.77
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03/01/2018 12:00	3	1	12	29.91
03/01/2018 13:00	3	1	13	28.94
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03/01/2018 16:00	3	1	16	27.17
03/01/2018 17:00	3	1	17	29.42
03/01/2018 18:00	3	1	18	35.66
03/01/2018 19:00	3	1	19	33.89
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03/01/2018 21:00	3	1	21	28.12
03/01/2018 22:00	3	1	22	24.14
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03/02/2018 0:00	3	2	0	22.35
03/02/2018 1:00	3	2	1	21.34
03/02/2018 2:00	3	2	2	20.94
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03/02/2018 11:00	3	2	11		34.61
03/02/2018 12:00	3	2	12		33.06
03/02/2018 13:00	3	2	13		30.94
03/02/2018 14:00	3	2	14		29.34
03/02/2018 15:00	3	2	15		27.44
03/02/2018 16:00	3	2	16		28.51
03/02/2018 17:00	3	2	17		29.78
03/02/2018 18:00	3	2	18		37.42
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03/02/2018 22:00	3	2	22		29.95
03/02/2018 23:00	3	2	23		26.68
03/03/2018 0:00	3	3	0	W	26.78
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03/03/2018 2:00	3	3	2	W	26.60
03/03/2018 3:00	3	3	3	W	26.52
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03/03/2018 11:00	3	3	11	W	30.86
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03/03/2018 14:00	3	3	14	W	25.31
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03/03/2018 16:00	3	3	16	W	25.48
03/03/2018 17:00	3	3	17	W	27.13
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03/03/2018 20:00	3	3	20	W	35.55
03/03/2018 21:00	3	3	21	W	33.00
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03/03/2018 23:00	3	3	23	W	27.35
03/04/2018 0:00	3	4	0	W	28.65
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03/04/2018 2:00	3	4	2	W	27.26
03/04/2018 3:00	3	4	3	W	27.34
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03/04/2018 5:00	3	4	5	W	28.43
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03/04/2018 8:00	3	4	8	W	34.41
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03/04/2018 13:00	3	4	13	W	24.36
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03/04/2018 16:00	3	4	16	W	23.99
03/04/2018 17:00	3	4	17	W	27.56
03/04/2018 18:00	3	4	18	W	37.86
03/04/2018 19:00	3	4	19	W	38.20
03/04/2018 20:00	3	4	20	W	36.23
03/04/2018 21:00	3	4	21	W	36.07
03/04/2018 22:00	3	4	22	W	31.83
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03/05/2018 2:00	3	5	2		25.88
03/05/2018 3:00	3	5	3		26.96
03/05/2018 4:00	3	5	4		29.00
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03/05/2018 8:00	3	5	8		38.69
03/05/2018 9:00	3	5	9		35.74
03/05/2018 10:00	3	5	10		35.57
03/05/2018 11:00	3	5	11		32.59
03/05/2018 12:00	3	5	12		30.85
03/05/2018 13:00	3	5	13		27.56
03/05/2018 14:00	3	5	14		27.00
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03/05/2018 16:00	3	5	16		26.53
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03/05/2018 22:00	3	5	22		30.34
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03/06/2018 22:00	3	6	22	29.06
03/06/2018 23:00	3	6	23	26.16
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03/07/2018 2:00	3	7	2	24.16
03/07/2018 3:00	3	7	3	24.10
03/07/2018 4:00	3	7	4	25.22
03/07/2018 5:00	3	7	5	27.28
03/07/2018 6:00	3	7	6	38.90
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03/08/2018 12:00	3	8	12		32.81
03/08/2018 13:00	3	8	13		30.89
03/08/2018 14:00	3	8	14		29.75
03/08/2018 15:00	3	8	15		29.66
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03/08/2018 17:00	3	8	17		31.35
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03/08/2018 19:00	3	8	19		43.75
03/08/2018 20:00	3	8	20		39.80
03/08/2018 21:00	3	8	21		36.69
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03/09/2018 6:00	3	9	6		54.38
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03/09/2018 13:00	3	9	13		28.55
03/09/2018 14:00	3	9	14		27.44
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03/09/2018 19:00	3	9	19		39.13
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03/10/2018 1:00	3	10	1	W	27.53
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03/10/2018 3:00	3	10	3	W	27.01
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03/10/2018 9:00	3	10	9	W	33.17
03/10/2018 10:00	3	10	10	W	30.15
03/10/2018 11:00	3	10	11	W	27.50
03/10/2018 12:00	3	10	12	W	26.15
03/10/2018 13:00	3	10	13	W	25.58
03/10/2018 14:00	3	10	14	W	24.84
03/10/2018 15:00	3	10	15	W	24.44
03/10/2018 16:00	3	10	16	W	24.66
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03/10/2018 18:00	3	10	18	W	33.74
03/10/2018 19:00	3	10	19	W	33.08
03/10/2018 20:00	3	10	20	W	30.66
03/10/2018 21:00	3	10	21	W	29.00
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03/10/2018 23:00	3	10	23	W	25.70
03/11/2018 0:00	3	11	0	W	27.43
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03/11/2018 3:00	3	11	3	W	26.19
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03/11/2018 7:00	3	11	7	W	31.28
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03/11/2018 10:00	3	11	10	W	29.78
03/11/2018 11:00	3	11	11	W	27.09
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03/11/2018 15:00	3	11	15	W	25.19
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03/11/2018 17:00	3	11	17	W	25.52
03/11/2018 18:00	3	11	18	W	31.13
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03/11/2018 20:00	3	11	20	W	36.90
03/11/2018 21:00	3	11	21	W	31.19
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03/12/2018 15:00	3	12	15	30.78
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03/13/2018 0:00	3	13	0	29.70
03/13/2018 1:00	3	13	1	28.33
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03/13/2018 10:00	3	13	10	42.18
03/13/2018 11:00	3	13	11	39.23
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03/13/2018 14:00	3	13	14	32.87
03/13/2018 15:00	3	13	15	32.04
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03/13/2018 18:00	3	13	18	39.08
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03/13/2018 20:00	3	13	20	49.43
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03/13/2018 22:00	3	13	22	35.96
03/13/2018 23:00	3	13	23	31.87
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03/14/2018 17:00	3	14	17	27.26
03/14/2018 18:00	3	14	18	30.78
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03/14/2018 20:00	3	14	20	44.91
03/14/2018 21:00	3	14	21	34.91
03/14/2018 22:00	3	14	22	29.76
03/14/2018 23:00	3	14	23	26.88
03/15/2018 0:00	3	15	0	26.68
03/15/2018 1:00	3	15	1	26.20
03/15/2018 2:00	3	15	2	26.11
03/15/2018 3:00	3	15	3	26.73
03/15/2018 4:00	3	15	4	27.74
03/15/2018 5:00	3	15	5	33.86
03/15/2018 6:00	3	15	6	50.69
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03/16/2018 1:00	3	16	1	26.76
03/16/2018 2:00	3	16	2	26.66



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03/16/2018 7:00	3	16	7		69.52
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03/16/2018 9:00	3	16	9		38.08
03/16/2018 10:00	3	16	10		39.30
03/16/2018 11:00	3	16	11		36.02
03/16/2018 12:00	3	16	12		31.70
03/16/2018 13:00	3	16	13		29.82
03/16/2018 14:00	3	16	14		28.41
03/16/2018 15:00	3	16	15		27.44
03/16/2018 16:00	3	16	16		27.27
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03/16/2018 18:00	3	16	18		31.22
03/16/2018 19:00	3	16	19		42.04
03/16/2018 20:00	3	16	20		41.02
03/16/2018 21:00	3	16	21		36.68
03/16/2018 22:00	3	16	22		32.30
03/16/2018 23:00	3	16	23		29.71
03/17/2018 0:00	3	17	0	W	28.81
03/17/2018 1:00	3	17	1	W	28.17
03/17/2018 2:00	3	17	2	W	27.54
03/17/2018 3:00	3	17	3	W	27.70
03/17/2018 4:00	3	17	4	W	28.30
03/17/2018 5:00	3	17	5	W	31.35
03/17/2018 6:00	3	17	6	W	35.73
03/17/2018 7:00	3	17	7	W	40.40
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03/17/2018 9:00	3	17	9	W	36.99
03/17/2018 10:00	3	17	10	W	35.25
03/17/2018 11:00	3	17	11	W	31.43
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03/17/2018 13:00	3	17	13	W	27.86
03/17/2018 14:00	3	17	14	W	26.47
03/17/2018 15:00	3	17	15	W	25.70
03/17/2018 16:00	3	17	16	W	25.87
03/17/2018 17:00	3	17	17	W	26.27
03/17/2018 18:00	3	17	18	W	28.25
03/17/2018 19:00	3	17	19	W	38.38
03/17/2018 20:00	3	17	20	W	37.28
03/17/2018 21:00	3	17	21	W	34.29
03/17/2018 22:00	3	17	22	W	29.51
03/17/2018 23:00	3	17	23	W	27.80
03/18/2018 0:00	3	18	0	W	27.49
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03/18/2018 4:00	3	18	4	W	28.07
03/18/2018 5:00	3	18	5	W	28.78
03/18/2018 6:00	3	18	6	W	32.31
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03/18/2018 9:00	3	18	9	W	32.29
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03/18/2018 11:00	3	18	11	W	27.12
03/18/2018 12:00	3	18	12	W	25.86
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03/18/2018 15:00	3	18	15	W	24.23
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03/18/2018 17:00	3	18	17	W	25.08
03/18/2018 18:00	3	18	18	W	26.52
03/18/2018 19:00	3	18	19	W	37.52
03/18/2018 20:00	3	18	20	W	34.61
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03/18/2018 22:00	3	18	22	W	27.07
03/18/2018 23:00	3	18	23	W	25.75
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03/19/2018 3:00	3	19	3		26.18
03/19/2018 4:00	3	19	4		27.28
03/19/2018 5:00	3	19	5		32.66
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03/19/2018 10:00	3	19	10		38.24
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03/19/2018 13:00	3	19	13		30.41
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03/19/2018 17:00	3	19	17		28.58
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03/19/2018 19:00	3	19	19		39.89
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03/19/2018 22:00	3	19	22		28.92
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03/20/2018 16:00	3	20	16	36.03
03/20/2018 17:00	3	20	17	38.05
03/20/2018 18:00	3	20	18	41.25
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03/20/2018 20:00	3	20	20	50.25
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03/20/2018 22:00	3	20	22	34.01
03/20/2018 23:00	3	20	23	31.16
03/21/2018 0:00	3	21	0	26.84
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03/21/2018 10:00	3	21	10	60.52
03/21/2018 11:00	3	21	11	57.07
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03/21/2018 13:00	3	21	13	44.03
03/21/2018 14:00	3	21	14	35.52
03/21/2018 15:00	3	21	15	32.65
03/21/2018 16:00	3	21	16	32.92
03/21/2018 17:00	3	21	17	35.37
03/21/2018 18:00	3	21	18	45.28
03/21/2018 19:00	3	21	19	62.20
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03/21/2018 21:00	3	21	21	42.37
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03/23/2018 21:00	3	23	21	34.39
03/23/2018 22:00	3	23	22	31.09

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03/24/2018 1:00	3	24	1	W	29.98
03/24/2018 2:00	3	24	2	W	29.63
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03/24/2018 4:00	3	24	4	W	30.85
03/24/2018 5:00	3	24	5	W	32.08
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03/24/2018 8:00	3	24	8	W	44.28
03/24/2018 9:00	3	24	9	W	41.63
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03/24/2018 12:00	3	24	12	W	30.49
03/24/2018 13:00	3	24	13	W	29.38
03/24/2018 14:00	3	24	14	W	27.18
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03/24/2018 16:00	3	24	16	W	26.93
03/24/2018 17:00	3	24	17	W	27.30
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03/24/2018 19:00	3	24	19	W	38.48
03/24/2018 20:00	3	24	20	W	37.62
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03/24/2018 22:00	3	24	22	W	30.12
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03/25/2018 18:00	3	25	18	W	27.35
03/25/2018 19:00	3	25	19	W	36.23
03/25/2018 20:00	3	25	20	W	35.93
03/25/2018 21:00	3	25	21	W	34.16

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03/26/2018 23:00	3	26	23		26.71
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03/28/2018 21:00	3	28	21	32.03
03/28/2018 22:00	3	28	22	25.82
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03/29/2018 9:00	3	29	9	33.70
03/29/2018 10:00	3	29	10	33.16
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03/29/2018 12:00	3	29	12	32.01
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03/29/2018 18:00	3	29	18	27.03
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03/29/2018 22:00	3	29	22		22.90
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03/30/2018 0:00	3	30	0		19.41
03/30/2018 1:00	3	30	1		18.81
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03/30/2018 5:00	3	30	5		20.52
03/30/2018 6:00	3	30	6		22.88
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03/30/2018 9:00	3	30	9		29.06
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03/30/2018 11:00	3	30	11		28.77
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03/30/2018 17:00	3	30	17		23.94
03/30/2018 18:00	3	30	18		24.85
03/30/2018 19:00	3	30	19		29.66
03/30/2018 20:00	3	30	20		29.98
03/30/2018 21:00	3	30	21		25.98
03/30/2018 22:00	3	30	22		22.55
03/30/2018 23:00	3	30	23		21.21
03/31/2018 0:00	3	31	0	W	22.97
03/31/2018 1:00	3	31	1	W	22.52
03/31/2018 2:00	3	31	2	W	21.85
03/31/2018 3:00	3	31	3	W	22.48
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03/31/2018 5:00	3	31	5	W	23.58
03/31/2018 6:00	3	31	6	W	28.47
03/31/2018 7:00	3	31	7	W	31.17
03/31/2018 8:00	3	31	8	W	32.60
03/31/2018 9:00	3	31	9	W	31.97
03/31/2018 10:00	3	31	10	W	32.36
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03/31/2018 12:00	3	31	12	W	23.82
03/31/2018 13:00	3	31	13	W	23.13
03/31/2018 14:00	3	31	14	W	21.88
03/31/2018 15:00	3	31	15	W	21.67
03/31/2018 16:00	3	31	16	W	21.53
03/31/2018 17:00	3	31	17	W	21.85
03/31/2018 18:00	3	31	18	W	22.06



03/31/2018 19:00	3	31	19	W	26.89
03/31/2018 20:00	3	31	20	W	27.81
03/31/2018 21:00	3	31	21	W	24.69
03/31/2018 22:00	3	31	22	W	22.70
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04/01/2018 7:00	4	1	7	W	22.33
04/01/2018 8:00	4	1	8	W	23.24
04/01/2018 9:00	4	1	9	W	25.20
04/01/2018 10:00	4	1	10	W	24.87
04/01/2018 11:00	4	1	11	W	23.79
04/01/2018 12:00	4	1	12	W	22.99
04/01/2018 13:00	4	1	13	W	22.11
04/01/2018 14:00	4	1	14	W	21.45
04/01/2018 15:00	4	1	15	W	21.20
04/01/2018 16:00	4	1	16	W	21.31
04/01/2018 17:00	4	1	17	W	22.03
04/01/2018 18:00	4	1	18	W	22.88
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04/01/2018 21:00	4	1	21	W	27.99
04/01/2018 22:00	4	1	22	W	24.53
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04/02/2018 6:00	4	2	6		39.94
04/02/2018 7:00	4	2	7		42.57
04/02/2018 8:00	4	2	8		41.69
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04/02/2018 10:00	4	2	10		38.87
04/02/2018 11:00	4	2	11		37.28
04/02/2018 12:00	4	2	12		33.42
04/02/2018 13:00	4	2	13		32.72
04/02/2018 14:00	4	2	14		30.51
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04/02/2018 16:00	4	2	16		28.82
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04/02/2018 21:00	4	2	21	31.23
04/02/2018 22:00	4	2	22	26.87
04/02/2018 23:00	4	2	23	24.60
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04/03/2018 2:00	4	3	2	21.70
04/03/2018 3:00	4	3	3	21.68
04/03/2018 4:00	4	3	4	22.33
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04/03/2018 7:00	4	3	7	34.74
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04/03/2018 9:00	4	3	9	34.27
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04/03/2018 11:00	4	3	11	33.59
04/03/2018 12:00	4	3	12	32.00
04/03/2018 13:00	4	3	13	29.72
04/03/2018 14:00	4	3	14	27.57
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04/03/2018 16:00	4	3	16	24.84
04/03/2018 17:00	4	3	17	24.44
04/03/2018 18:00	4	3	18	25.02
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04/07/2018 11:00	4	7	11	W	45.29
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04/08/2018 12:00	4	8	12	W	37.50
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04/08/2018 19:00	4	8	19	W	47.30
04/08/2018 20:00	4	8	20	W	53.33
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04/08/2018 22:00	4	8	22	W	43.61
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04/10/2018 12:00	4	10	12		36.99
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04/13/2018 12:00	4	13	12		35.51
04/13/2018 13:00	4	13	13		35.29
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04/14/2018 0:00	4	14	0	W	28.58
04/14/2018 1:00	4	14	1	W	26.13
04/14/2018 2:00	4	14	2	W	23.91
04/14/2018 3:00	4	14	3	W	22.75
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04/14/2018 5:00	4	14	5	W	24.95
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04/14/2018 22:00	4	14	22	W	35.34
04/14/2018 23:00	4	14	23	W	30.95
04/15/2018 0:00	4	15	0	W	24.37
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04/15/2018 2:00	4	15	2	W	21.69
04/15/2018 3:00	4	15	3	W	21.44
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04/15/2018 6:00	4	15	6	W	22.77
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04/15/2018 10:00	4	15	10	W	31.13
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04/15/2018 13:00	4	15	13	W	32.88
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04/15/2018 19:00	4	15	19	W	35.21
04/15/2018 20:00	4	15	20	W	44.35
04/15/2018 21:00	4	15	21	W	34.20
04/15/2018 22:00	4	15	22	W	27.53
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04/16/2018 9:00	4	16	9		49.70
04/16/2018 10:00	4	16	10		49.95



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04/16/2018 14:00	4	16	14	40.79
04/16/2018 15:00	4	16	15	39.03
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04/16/2018 17:00	4	16	17	39.77
04/16/2018 18:00	4	16	18	39.27
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04/16/2018 20:00	4	16	20	54.73
04/16/2018 21:00	4	16	21	43.94
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04/17/2018 3:00	4	17	3	32.58
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04/17/2018 15:00	4	17	15	35.28
04/17/2018 16:00	4	17	16	34.37
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04/17/2018 18:00	4	17	18	40.80
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04/17/2018 20:00	4	17	20	55.58
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04/18/2018 0:00	4	18	0	33.44
04/18/2018 1:00	4	18	1	33.31
04/18/2018 2:00	4	18	2	31.93
04/18/2018 3:00	4	18	3	32.27
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04/18/2018 5:00	4	18	5	44.85
04/18/2018 6:00	4	18	6	64.91
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04/18/2018 11:00	4	18	11	39.99
04/18/2018 12:00	4	18	12	39.34
04/18/2018 13:00	4	18	13	38.07
04/18/2018 14:00	4	18	14	34.78
04/18/2018 15:00	4	18	15	32.60
04/18/2018 16:00	4	18	16	32.56
04/18/2018 17:00	4	18	17	33.68
04/18/2018 18:00	4	18	18	34.01
04/18/2018 19:00	4	18	19	38.96
04/18/2018 20:00	4	18	20	44.72
04/18/2018 21:00	4	18	21	39.36
04/18/2018 22:00	4	18	22	30.18
04/18/2018 23:00	4	18	23	27.87
04/19/2018 0:00	4	19	0	26.56
04/19/2018 1:00	4	19	1	24.83
04/19/2018 2:00	4	19	2	23.89
04/19/2018 3:00	4	19	3	23.90
04/19/2018 4:00	4	19	4	25.70
04/19/2018 5:00	4	19	5	29.95
04/19/2018 6:00	4	19	6	46.62
04/19/2018 7:00	4	19	7	42.90
04/19/2018 8:00	4	19	8	42.72
04/19/2018 9:00	4	19	9	43.35
04/19/2018 10:00	4	19	10	43.77
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04/19/2018 14:00	4	19	14	37.91
04/19/2018 15:00	4	19	15	36.02
04/19/2018 16:00	4	19	16	34.64
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04/19/2018 18:00	4	19	18	37.95
04/19/2018 19:00	4	19	19	44.54
04/19/2018 20:00	4	19	20	52.76
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04/19/2018 22:00	4	19	22	36.78
04/19/2018 23:00	4	19	23	32.87
04/20/2018 0:00	4	20	0	33.20
04/20/2018 1:00	4	20	1	31.93
04/20/2018 2:00	4	20	2	31.34
04/20/2018 3:00	4	20	3	31.83
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04/20/2018 5:00	4	20	5	41.99
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04/20/2018 7:00	4	20	7	56.15
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04/20/2018 11:00	4	20	11		39.79
04/20/2018 12:00	4	20	12		37.87
04/20/2018 13:00	4	20	13		35.63
04/20/2018 14:00	4	20	14		32.36
04/20/2018 15:00	4	20	15		32.03
04/20/2018 16:00	4	20	16		31.74
04/20/2018 17:00	4	20	17		31.76
04/20/2018 18:00	4	20	18		31.89
04/20/2018 19:00	4	20	19		38.28
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04/20/2018 21:00	4	20	21		40.86
04/20/2018 22:00	4	20	22		34.08
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04/21/2018 3:00	4	21	3	W	27.18
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04/21/2018 5:00	4	21	5	W	30.23
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04/21/2018 7:00	4	21	7	W	40.00
04/21/2018 8:00	4	21	8	W	41.91
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04/21/2018 11:00	4	21	11	W	35.98
04/21/2018 12:00	4	21	12	W	32.25
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04/21/2018 14:00	4	21	14	W	27.44
04/21/2018 15:00	4	21	15	W	27.32
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04/21/2018 17:00	4	21	17	W	27.34
04/21/2018 18:00	4	21	18	W	27.52
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04/22/2018 0:00	4	22	0	W	26.92
04/22/2018 1:00	4	22	1	W	26.30
04/22/2018 2:00	4	22	2	W	25.98
04/22/2018 3:00	4	22	3	W	25.24
04/22/2018 4:00	4	22	4	W	25.91
04/22/2018 5:00	4	22	5	W	26.40
04/22/2018 6:00	4	22	6	W	26.53
04/22/2018 7:00	4	22	7	W	28.65

04/22/2018 8:00	4	22	8	W	31.08
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04/22/2018 11:00	4	22	11	W	28.82
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04/22/2018 18:00	4	22	18	W	28.55
04/22/2018 19:00	4	22	19	W	32.37
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04/22/2018 21:00	4	22	21	W	37.64
04/22/2018 22:00	4	22	22	W	27.03
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04/23/2018 1:00	4	23	1		22.84
04/23/2018 2:00	4	23	2		22.63
04/23/2018 3:00	4	23	3		22.21
04/23/2018 4:00	4	23	4		23.06
04/23/2018 5:00	4	23	5		28.50
04/23/2018 6:00	4	23	6		41.99
04/23/2018 7:00	4	23	7		41.49
04/23/2018 8:00	4	23	8		40.21
04/23/2018 9:00	4	23	9		40.26
04/23/2018 10:00	4	23	10		40.44
04/23/2018 11:00	4	23	11		37.99
04/23/2018 12:00	4	23	12		37.05
04/23/2018 13:00	4	23	13		37.18
04/23/2018 14:00	4	23	14		35.33
04/23/2018 15:00	4	23	15		34.02
04/23/2018 16:00	4	23	16		35.41
04/23/2018 17:00	4	23	17		35.22
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04/23/2018 19:00	4	23	19		38.80
04/23/2018 20:00	4	23	20		47.88
04/23/2018 21:00	4	23	21		38.87
04/23/2018 22:00	4	23	22		29.97
04/23/2018 23:00	4	23	23		25.52
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04/24/2018 1:00	4	24	1		22.50
04/24/2018 2:00	4	24	2		22.12
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04/24/2018 9:00	4	24	9	41.42
04/24/2018 10:00	4	24	10	41.92
04/24/2018 11:00	4	24	11	41.06
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04/24/2018 13:00	4	24	13	41.14
04/24/2018 14:00	4	24	14	39.58
04/24/2018 15:00	4	24	15	39.37
04/24/2018 16:00	4	24	16	38.41
04/24/2018 17:00	4	24	17	37.00
04/24/2018 18:00	4	24	18	37.40
04/24/2018 19:00	4	24	19	40.32
04/24/2018 20:00	4	24	20	43.82
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04/25/2018 0:00	4	25	0	25.17
04/25/2018 1:00	4	25	1	23.60
04/25/2018 2:00	4	25	2	22.46
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04/25/2018 4:00	4	25	4	24.04
04/25/2018 5:00	4	25	5	26.66
04/25/2018 6:00	4	25	6	40.66
04/25/2018 7:00	4	25	7	40.76
04/25/2018 8:00	4	25	8	41.29
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04/25/2018 13:00	4	25	13	38.83
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04/25/2018 21:00	4	25	21	40.86
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04/26/2018 1:00	4	26	1	24.83
04/26/2018 2:00	4	26	2	24.37
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04/26/2018 4:00	4	26	4	26.83
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04/26/2018 9:00	4	26	9		40.90
04/26/2018 10:00	4	26	10		41.04
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04/26/2018 12:00	4	26	12		38.37
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04/26/2018 14:00	4	26	14		37.94
04/26/2018 15:00	4	26	15		36.85
04/26/2018 16:00	4	26	16		35.49
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04/27/2018 1:00	4	27	1		24.38
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04/27/2018 5:00	4	27	5		28.49
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04/27/2018 10:00	4	27	10		39.85
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04/27/2018 14:00	4	27	14		37.83
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04/27/2018 18:00	4	27	18		31.82
04/27/2018 19:00	4	27	19		31.90
04/27/2018 20:00	4	27	20		38.27
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04/27/2018 22:00	4	27	22		27.68
04/27/2018 23:00	4	27	23		25.49
04/28/2018 0:00	4	28	0	W	31.43
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04/28/2018 2:00	4	28	2	W	25.16
04/28/2018 3:00	4	28	3	W	25.22
04/28/2018 4:00	4	28	4	W	25.99

04/28/2018 5:00	4	28	5	W	28.31
04/28/2018 6:00	4	28	6	W	29.66
04/28/2018 7:00	4	28	7	W	31.74
04/28/2018 8:00	4	28	8	W	35.18
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04/28/2018 10:00	4	28	10	W	37.93
04/28/2018 11:00	4	28	11	W	37.39
04/28/2018 12:00	4	28	12	W	38.76
04/28/2018 13:00	4	28	13	W	36.73
04/28/2018 14:00	4	28	14	W	35.34
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04/28/2018 16:00	4	28	16	W	33.50
04/28/2018 17:00	4	28	17	W	34.06
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04/29/2018 1:00	4	29	1	W	27.42
04/29/2018 2:00	4	29	2	W	27.25
04/29/2018 3:00	4	29	3	W	26.99
04/29/2018 4:00	4	29	4	W	27.23
04/29/2018 5:00	4	29	5	W	28.66
04/29/2018 6:00	4	29	6	W	27.64
04/29/2018 7:00	4	29	7	W	27.20
04/29/2018 8:00	4	29	8	W	31.34
04/29/2018 9:00	4	29	9	W	33.82
04/29/2018 10:00	4	29	10	W	31.99
04/29/2018 11:00	4	29	11	W	30.19
04/29/2018 12:00	4	29	12	W	29.40
04/29/2018 13:00	4	29	13	W	27.17
04/29/2018 14:00	4	29	14	W	25.98
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04/29/2018 19:00	4	29	19	W	38.99
04/29/2018 20:00	4	29	20	W	46.91
04/29/2018 21:00	4	29	21	W	39.72
04/29/2018 22:00	4	29	22	W	30.95
04/29/2018 23:00	4	29	23	W	29.84
04/30/2018 0:00	4	30	0		27.56
04/30/2018 1:00	4	30	1		27.86
04/30/2018 2:00	4	30	2		27.43
04/30/2018 3:00	4	30	3		27.87

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04/30/2018 6:00	4	30	6	52.50
04/30/2018 7:00	4	30	7	43.66
04/30/2018 8:00	4	30	8	42.19
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04/30/2018 16:00	4	30	16	34.47
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04/30/2018 18:00	4	30	18	33.44
04/30/2018 19:00	4	30	19	36.07
04/30/2018 20:00	4	30	20	42.25
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04/30/2018 22:00	4	30	22	26.96
04/30/2018 23:00	4	30	23	25.61
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05/01/2018 3:00	5	1	3	23.20
05/01/2018 4:00	5	1	4	24.70
05/01/2018 5:00	5	1	5	29.50
05/01/2018 6:00	5	1	6	39.37
05/01/2018 7:00	5	1	7	35.40
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05/01/2018 9:00	5	1	9	33.37
05/01/2018 10:00	5	1	10	34.60
05/01/2018 11:00	5	1	11	35.62
05/01/2018 12:00	5	1	12	37.82
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05/01/2018 14:00	5	1	14	40.24
05/01/2018 15:00	5	1	15	40.03
05/01/2018 16:00	5	1	16	39.37
05/01/2018 17:00	5	1	17	39.15
05/01/2018 18:00	5	1	18	37.97
05/01/2018 19:00	5	1	19	39.31
05/01/2018 20:00	5	1	20	43.92
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05/01/2018 23:00	5	1	23	25.86
05/02/2018 0:00	5	2	0	26.00
05/02/2018 1:00	5	2	1	25.08
05/02/2018 2:00	5	2	2	24.46



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05/02/2018 5:00	5	2	5	27.80
05/02/2018 6:00	5	2	6	31.93
05/02/2018 7:00	5	2	7	33.02
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05/02/2018 10:00	5	2	10	36.14
05/02/2018 11:00	5	2	11	37.74
05/02/2018 12:00	5	2	12	40.49
05/02/2018 13:00	5	2	13	45.48
05/02/2018 14:00	5	2	14	48.81
05/02/2018 15:00	5	2	15	56.04
05/02/2018 16:00	5	2	16	60.73
05/02/2018 17:00	5	2	17	57.25
05/02/2018 18:00	5	2	18	49.80
05/02/2018 19:00	5	2	19	46.80
05/02/2018 20:00	5	2	20	48.62
05/02/2018 21:00	5	2	21	43.34
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05/03/2018 12:00	5	3	12	40.58
05/03/2018 13:00	5	3	13	44.35
05/03/2018 14:00	5	3	14	52.20
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05/03/2018 18:00	5	3	18	55.63
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05/03/2018 20:00	5	3	20	52.76
05/03/2018 21:00	5	3	21	40.37
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05/04/2018 0:00	5	4	0	25.70
05/04/2018 1:00	5	4	1	23.15

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05/04/2018 3:00	5	4	3		21.43
05/04/2018 4:00	5	4	4		22.16
05/04/2018 5:00	5	4	5		27.01
05/04/2018 6:00	5	4	6		31.85
05/04/2018 7:00	5	4	7		31.63
05/04/2018 8:00	5	4	8		30.59
05/04/2018 9:00	5	4	9		34.38
05/04/2018 10:00	5	4	10		36.99
05/04/2018 11:00	5	4	11		38.83
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05/04/2018 14:00	5	4	14		52.24
05/04/2018 15:00	5	4	15		57.94
05/04/2018 16:00	5	4	16		62.38
05/04/2018 17:00	5	4	17		59.08
05/04/2018 18:00	5	4	18		43.92
05/04/2018 19:00	5	4	19		37.17
05/04/2018 20:00	5	4	20		42.86
05/04/2018 21:00	5	4	21		36.90
05/04/2018 22:00	5	4	22		32.32
05/04/2018 23:00	5	4	23		26.64
05/05/2018 0:00	5	5	0	W	29.60
05/05/2018 1:00	5	5	1	W	26.10
05/05/2018 2:00	5	5	2	W	26.43
05/05/2018 3:00	5	5	3	W	25.15
05/05/2018 4:00	5	5	4	W	25.08
05/05/2018 5:00	5	5	5	W	25.17
05/05/2018 6:00	5	5	6	W	24.99
05/05/2018 7:00	5	5	7	W	26.34
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05/05/2018 9:00	5	5	9	W	30.60
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05/05/2018 11:00	5	5	11	W	34.17
05/05/2018 12:00	5	5	12	W	33.26
05/05/2018 13:00	5	5	13	W	33.63
05/05/2018 14:00	5	5	14	W	33.08
05/05/2018 15:00	5	5	15	W	32.75
05/05/2018 16:00	5	5	16	W	32.84
05/05/2018 17:00	5	5	17	W	32.46
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05/05/2018 22:00	5	5	22	W	27.27
05/05/2018 23:00	5	5	23	W	25.28
05/06/2018 0:00	5	6	0	W	21.94

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05/06/2018 3:00	5	6	3	W	20.41
05/06/2018 4:00	5	6	4	W	20.37
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05/06/2018 6:00	5	6	6	W	21.41
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05/06/2018 10:00	5	6	10	W	24.27
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05/06/2018 12:00	5	6	12	W	24.83
05/06/2018 13:00	5	6	13	W	24.79
05/06/2018 14:00	5	6	14	W	24.23
05/06/2018 15:00	5	6	15	W	24.11
05/06/2018 16:00	5	6	16	W	25.07
05/06/2018 17:00	5	6	17	W	25.30
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05/08/2018 3:00	5	8	3	21.51
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05/08/2018 10:00	5	8	10	34.73
05/08/2018 11:00	5	8	11	35.35
05/08/2018 12:00	5	8	12	36.49
05/08/2018 13:00	5	8	13	36.65
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05/08/2018 18:00	5	8	18	35.90
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05/08/2018 21:00	5	8	21	34.80
05/08/2018 22:00	5	8	22	26.22
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05/11/2018 11:00	5	11	11	36.97
05/11/2018 12:00	5	11	12	39.60
05/11/2018 13:00	5	11	13	41.40
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05/12/2018 1:00	5	12	1	W	22.29
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05/12/2018 3:00	5	12	3	W	20.45
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05/12/2018 9:00	5	12	9	W	33.00
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05/12/2018 13:00	5	12	13	W	39.87
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05/12/2018 22:00	5	12	22	W	33.14
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05/13/2018 3:00	5	13	3	W	19.27
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05/13/2018 10:00	5	13	10	W	29.30
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05/13/2018 18:00	5	13	18	W	40.64
05/13/2018 19:00	5	13	19	W	38.07
05/13/2018 20:00	5	13	20	W	39.13

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05/15/2018 0:00	5	15	0		24.38
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05/16/2018 1:00	5	16	1	23.21
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05/18/2018 22:00	5	18	22		24.67
05/18/2018 23:00	5	18	23		21.49
05/19/2018 0:00	5	19	0	W	22.03
05/19/2018 1:00	5	19	1	W	21.11
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05/19/2018 3:00	5	19	3	W	19.55
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05/19/2018 5:00	5	19	5	W	20.95
05/19/2018 6:00	5	19	6	W	22.64
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05/19/2018 8:00	5	19	8	W	27.73
05/19/2018 9:00	5	19	9	W	30.18
05/19/2018 10:00	5	19	10	W	33.03
05/19/2018 11:00	5	19	11	W	35.13
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05/19/2018 14:00	5	19	14	W	37.50
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05/19/2018 23:00	5	19	23	W	27.79
05/20/2018 0:00	5	20	0	W	23.15
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05/20/2018 2:00	5	20	2	W	20.16
05/20/2018 3:00	5	20	3	W	19.31
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05/20/2018 5:00	5	20	5	W	19.68
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05/20/2018 13:00	5	20	13	W	39.43
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05/20/2018 17:00	5	20	17	W	56.61
05/20/2018 18:00	5	20	18	W	44.40
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05/21/2018 6:00	5	21	6		33.80
05/21/2018 7:00	5	21	7		33.84
05/21/2018 8:00	5	21	8		33.97
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05/21/2018 10:00	5	21	10		39.71
05/21/2018 11:00	5	21	11		39.76
05/21/2018 12:00	5	21	12		39.56
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05/21/2018 15:00	5	21	15		49.99
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05/21/2018 19:00	5	21	19	42.43
05/21/2018 20:00	5	21	20	43.22
05/21/2018 21:00	5	21	21	41.46
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05/22/2018 5:00	5	22	5	24.56
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05/22/2018 9:00	5	22	9	34.68
05/22/2018 10:00	5	22	10	36.31
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05/22/2018 21:00	5	22	21	42.39
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05/25/2018 19:00	5	25	19		45.58
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05/25/2018 22:00	5	25	22		32.97
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05/26/2018 3:00	5	26	3	W	19.75
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05/26/2018 5:00	5	26	5	W	20.34
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05/26/2018 7:00	5	26	7	W	22.60
05/26/2018 8:00	5	26	8	W	27.37
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05/26/2018 10:00	5	26	10	W	40.45
05/26/2018 11:00	5	26	11	W	43.16
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05/27/2018 3:00	5	27	3	W	19.00
05/27/2018 4:00	5	27	4	W	17.40
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05/27/2018 17:00	5	27	17	W	57.39
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05/27/2018 20:00	5	27	20	W	49.51
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05/27/2018 23:00	5	27	23	W	26.70
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05/30/2018 21:00	5	30	21	35.95
05/30/2018 22:00	5	30	22	28.04
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05/31/2018 4:00	5	31	4	22.37
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05/31/2018 19:00	5	31	19		61.12
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05/31/2018 22:00	5	31	22		37.35
05/31/2018 23:00	5	31	23		30.87
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06/01/2018 18:00	6	1	18		47.38
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06/01/2018 23:00	6	1	23		23.75
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06/02/2018 2:00	6	2	2	W	21.25
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06/02/2018 5:00	6	2	5	W	20.49
06/02/2018 6:00	6	2	6	W	21.14
06/02/2018 7:00	6	2	7	W	23.01
06/02/2018 8:00	6	2	8	W	24.82
06/02/2018 9:00	6	2	9	W	26.78
06/02/2018 10:00	6	2	10	W	30.33



06/02/2018 11:00	6	2	11	W	34.63
06/02/2018 12:00	6	2	12	W	35.07
06/02/2018 13:00	6	2	13	W	35.58
06/02/2018 14:00	6	2	14	W	37.39
06/02/2018 15:00	6	2	15	W	39.52
06/02/2018 16:00	6	2	16	W	39.94
06/02/2018 17:00	6	2	17	W	38.48
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06/02/2018 19:00	6	2	19	W	35.03
06/02/2018 20:00	6	2	20	W	34.26
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06/02/2018 22:00	6	2	22	W	25.49
06/02/2018 23:00	6	2	23	W	23.73
06/03/2018 0:00	6	3	0	W	21.96
06/03/2018 1:00	6	3	1	W	20.07
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06/03/2018 3:00	6	3	3	W	18.80
06/03/2018 4:00	6	3	4	W	17.84
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06/03/2018 7:00	6	3	7	W	19.69
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06/03/2018 18:00	6	3	18	W	29.33
06/03/2018 19:00	6	3	19	W	27.49
06/03/2018 20:00	6	3	20	W	29.54
06/03/2018 21:00	6	3	21	W	27.16
06/03/2018 22:00	6	3	22	W	23.26
06/03/2018 23:00	6	3	23	W	21.57
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06/05/2018 5:00	6	5	5	20.27
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06/05/2018 19:00	6	5	19	33.42
06/05/2018 20:00	6	5	20	30.62
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06/05/2018 23:00	6	5	23	22.28
06/06/2018 0:00	6	6	0	20.29
06/06/2018 1:00	6	6	1	19.08
06/06/2018 2:00	6	6	2	18.61
06/06/2018 3:00	6	6	3	18.04
06/06/2018 4:00	6	6	4	18.60
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06/06/2018 15:00	6	6	15	38.86
06/06/2018 16:00	6	6	16	42.42
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06/08/2018 6:00	6	8	6	20.86
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06/16/2018 15:00	6	16	15	W	51.60
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06/22/2018 16:00	6	22	16		31.80
06/22/2018 17:00	6	22	17		29.71
06/22/2018 18:00	6	22	18		27.64
06/22/2018 19:00	6	22	19		25.79
06/22/2018 20:00	6	22	20		25.21
06/22/2018 21:00	6	22	21		24.81
06/22/2018 22:00	6	22	22		21.84
06/22/2018 23:00	6	22	23		20.54
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06/23/2018 1:00	6	23	1	W	19.80
06/23/2018 2:00	6	23	2	W	19.33
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06/23/2018 4:00	6	23	4	W	18.73
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06/23/2018 6:00	6	23	6	W	19.18
06/23/2018 7:00	6	23	7	W	19.69
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06/23/2018 9:00	6	23	9	W	22.38
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06/23/2018 16:00	6	23	16	W	33.73
06/23/2018 17:00	6	23	17	W	33.34
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06/23/2018 20:00	6	23	20	W	29.48
06/23/2018 21:00	6	23	21	W	27.33
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06/23/2018 23:00	6	23	23	W	22.48

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06/24/2018 3:00	6	24	3	W	18.43
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06/24/2018 8:00	6	24	8	W	19.43
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06/24/2018 10:00	6	24	10	W	24.69
06/24/2018 11:00	6	24	11	W	27.91
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06/24/2018 13:00	6	24	13	W	34.46
06/24/2018 14:00	6	24	14	W	37.22
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06/24/2018 16:00	6	24	16	W	42.64
06/24/2018 17:00	6	24	17	W	45.32
06/24/2018 18:00	6	24	18	W	39.65
06/24/2018 19:00	6	24	19	W	35.42
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06/24/2018 21:00	6	24	21	W	32.79
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06/25/2018 21:00	6	25	21		27.52
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06/26/2018 18:00	6	26	18	39.66
06/26/2018 19:00	6	26	19	34.96
06/26/2018 20:00	6	26	20	33.41
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06/27/2018 1:00	6	27	1	19.81
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06/27/2018 11:00	6	27	11	29.78
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06/28/2018 14:00	6	28	14	48.75
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06/28/2018 21:00	6	28	21	37.71
06/28/2018 22:00	6	28	22	32.72
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06/30/2018 5:00	6	30	5	W	18.61
06/30/2018 6:00	6	30	6	W	19.29
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06/30/2018 8:00	6	30	8	W	23.43
06/30/2018 9:00	6	30	9	W	27.30
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06/30/2018 19:00	6	30	19	W	44.12
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06/30/2018 21:00	6	30	21	W	36.78
06/30/2018 22:00	6	30	22	W	30.23
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07/01/2018 1:00	7	1	1	W	24.41
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07/01/2018 10:00	7	1	10	W	38.04
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07/03/2018 3:00	7	3	3		20.73
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07/03/2018 22:00	7	3	22	33.73
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07/04/2018 6:00	7	4	6	20.42
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07/05/2018 3:00	7	5	3	20.19
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07/05/2018 10:00	7	5	10	40.57
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07/06/2018 3:00	7	6	3		20.75
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07/06/2018 20:00	7	6	20		27.21
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07/06/2018 22:00	7	6	22		23.21
07/06/2018 23:00	7	6	23		20.62
07/07/2018 0:00	7	7	0	W	20.07
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07/07/2018 5:00	7	7	5	W	17.73
07/07/2018 6:00	7	7	6	W	17.98
07/07/2018 7:00	7	7	7	W	18.66
07/07/2018 8:00	7	7	8	W	20.08
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07/07/2018 14:00	7	7	14	W	28.59
07/07/2018 15:00	7	7	15	W	28.46
07/07/2018 16:00	7	7	16	W	29.32

07/07/2018 17:00	7	7	17	W	30.44
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07/07/2018 19:00	7	7	19	W	27.10
07/07/2018 20:00	7	7	20	W	25.41
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07/07/2018 22:00	7	7	22	W	22.81
07/07/2018 23:00	7	7	23	W	20.30
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07/08/2018 5:00	7	8	5	W	14.21
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07/08/2018 9:00	7	8	9	W	20.07
07/08/2018 10:00	7	8	10	W	21.12
07/08/2018 11:00	7	8	11	W	23.74
07/08/2018 12:00	7	8	12	W	26.48
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07/08/2018 18:00	7	8	18	W	39.42
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07/08/2018 20:00	7	8	20	W	31.50
07/08/2018 21:00	7	8	21	W	27.94
07/08/2018 22:00	7	8	22	W	23.76
07/08/2018 23:00	7	8	23	W	22.04
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07/09/2018 5:00	7	9	5		18.15
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07/09/2018 9:00	7	9	9		27.97
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07/09/2018 22:00	7	9	22	29.25
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07/10/2018 5:00	7	10	5	19.04
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07/10/2018 15:00	7	10	15	62.39
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07/14/2018 9:00	7	14	9	W	27.71
07/14/2018 10:00	7	14	10	W	32.11
07/14/2018 11:00	7	14	11	W	36.61
07/14/2018 12:00	7	14	12	W	44.90
07/14/2018 13:00	7	14	13	W	48.23
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07/14/2018 23:00	7	14	23	W	26.70
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07/15/2018 3:00	7	15	3	W	19.94
07/15/2018 4:00	7	15	4	W	19.19
07/15/2018 5:00	7	15	5	W	18.92
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07/15/2018 7:00	7	15	7	W	19.50
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07/15/2018 17:00	7	15	17	W	66.11
07/15/2018 18:00	7	15	18	W	51.90
07/15/2018 19:00	7	15	19	W	42.72
07/15/2018 20:00	7	15	20	W	39.55
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07/19/2018 6:00	7	19	6	21.14
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07/19/2018 19:00	7	19	19		41.05
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07/19/2018 22:00	7	19	22		25.47
07/19/2018 23:00	7	19	23		24.11
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07/20/2018 6:00	7	20	6		22.94
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07/20/2018 10:00	7	20	10		35.58
07/20/2018 11:00	7	20	11		37.29
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07/20/2018 16:00	7	20	16		45.97
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07/20/2018 23:00	7	20	23		24.35
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07/21/2018 3:00	7	21	3	W	19.06
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07/21/2018 7:00	7	21	7	W	20.03
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07/21/2018 13:00	7	21	13	W	29.60
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07/21/2018 17:00	7	21	17	W	29.98
07/21/2018 18:00	7	21	18	W	29.93
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07/22/2018 1:00	7	22	1	W	18.76
07/22/2018 2:00	7	22	2	W	18.33
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07/22/2018 6:00	7	22	6	W	17.02
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07/22/2018 18:00	7	22	18	W	32.67
07/22/2018 19:00	7	22	19	W	31.64
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07/25/2018 0:00	7	25	0	23.07
07/25/2018 1:00	7	25	1	21.02
07/25/2018 2:00	7	25	2	19.77
07/25/2018 3:00	7	25	3	19.45
07/25/2018 4:00	7	25	4	19.43
07/25/2018 5:00	7	25	5	20.77
07/25/2018 6:00	7	25	6	22.94
07/25/2018 7:00	7	25	7	25.24

07/25/2018 8:00	7	25	8	27.17
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07/25/2018 10:00	7	25	10	33.65
07/25/2018 11:00	7	25	11	36.67
07/25/2018 12:00	7	25	12	38.75
07/25/2018 13:00	7	25	13	39.97
07/25/2018 14:00	7	25	14	40.46
07/25/2018 15:00	7	25	15	43.65
07/25/2018 16:00	7	25	16	45.74
07/25/2018 17:00	7	25	17	46.00
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07/25/2018 19:00	7	25	19	40.26
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07/25/2018 21:00	7	25	21	33.81
07/25/2018 22:00	7	25	22	28.45
07/25/2018 23:00	7	25	23	24.65
07/26/2018 0:00	7	26	0	23.32
07/26/2018 1:00	7	26	1	21.36
07/26/2018 2:00	7	26	2	19.78
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07/26/2018 4:00	7	26	4	19.51
07/26/2018 5:00	7	26	5	20.38
07/26/2018 6:00	7	26	6	22.15
07/26/2018 7:00	7	26	7	24.18
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07/26/2018 11:00	7	26	11	36.65
07/26/2018 12:00	7	26	12	39.89
07/26/2018 13:00	7	26	13	40.21
07/26/2018 14:00	7	26	14	45.19
07/26/2018 15:00	7	26	15	52.12
07/26/2018 16:00	7	26	16	57.66
07/26/2018 17:00	7	26	17	56.21
07/26/2018 18:00	7	26	18	42.85
07/26/2018 19:00	7	26	19	38.20
07/26/2018 20:00	7	26	20	36.99
07/26/2018 21:00	7	26	21	33.78
07/26/2018 22:00	7	26	22	27.41
07/26/2018 23:00	7	26	23	25.33
07/27/2018 0:00	7	27	0	22.28
07/27/2018 1:00	7	27	1	20.39
07/27/2018 2:00	7	27	2	19.42
07/27/2018 3:00	7	27	3	18.79
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07/27/2018 5:00	7	27	5	19.63
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07/27/2018 10:00	7	27	10		33.08
07/27/2018 11:00	7	27	11		34.82
07/27/2018 12:00	7	27	12		37.13
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07/27/2018 17:00	7	27	17		42.33
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07/27/2018 21:00	7	27	21		29.93
07/27/2018 22:00	7	27	22		24.75
07/27/2018 23:00	7	27	23		23.28
07/28/2018 0:00	7	28	0	W	20.93
07/28/2018 1:00	7	28	1	W	20.45
07/28/2018 2:00	7	28	2	W	19.54
07/28/2018 3:00	7	28	3	W	19.11
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07/28/2018 5:00	7	28	5	W	18.70
07/28/2018 6:00	7	28	6	W	19.03
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07/28/2018 8:00	7	28	8	W	20.95
07/28/2018 9:00	7	28	9	W	22.05
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07/28/2018 12:00	7	28	12	W	29.46
07/28/2018 13:00	7	28	13	W	28.81
07/28/2018 14:00	7	28	14	W	31.79
07/28/2018 15:00	7	28	15	W	33.79
07/28/2018 16:00	7	28	16	W	37.10
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07/28/2018 18:00	7	28	18	W	33.24
07/28/2018 19:00	7	28	19	W	29.86
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07/28/2018 22:00	7	28	22	W	23.05
07/28/2018 23:00	7	28	23	W	21.65
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07/29/2018 1:00	7	29	1	W	19.32
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07/29/2018 3:00	7	29	3	W	17.07
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07/29/2018 17:00	7	29	17	W	33.50
07/29/2018 18:00	7	29	18	W	29.39
07/29/2018 19:00	7	29	19	W	27.35
07/29/2018 20:00	7	29	20	W	27.47
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07/29/2018 22:00	7	29	22	W	22.98
07/29/2018 23:00	7	29	23	W	21.44
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07/30/2018 1:00	7	30	1		19.78
07/30/2018 2:00	7	30	2		19.18
07/30/2018 3:00	7	30	3		18.90
07/30/2018 4:00	7	30	4		18.94
07/30/2018 5:00	7	30	5		20.17
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07/30/2018 13:00	7	30	13		38.54
07/30/2018 14:00	7	30	14		43.03
07/30/2018 15:00	7	30	15		45.25
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07/30/2018 17:00	7	30	17		43.40
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07/30/2018 23:00	7	30	23		23.43
07/31/2018 0:00	7	31	0		20.46
07/31/2018 1:00	7	31	1		20.19
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07/31/2018 3:00	7	31	3		18.95
07/31/2018 4:00	7	31	4		19.06

07/31/2018 5:00	7	31	5	20.22
07/31/2018 6:00	7	31	6	21.23
07/31/2018 7:00	7	31	7	22.62
07/31/2018 8:00	7	31	8	24.14
07/31/2018 9:00	7	31	9	26.67
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07/31/2018 14:00	7	31	14	38.71
07/31/2018 15:00	7	31	15	40.07
07/31/2018 16:00	7	31	16	41.20
07/31/2018 17:00	7	31	17	40.65
07/31/2018 18:00	7	31	18	37.23
07/31/2018 19:00	7	31	19	35.62
07/31/2018 20:00	7	31	20	36.51
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08/01/2018 23:00	8	1	23	25.07
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08/02/2018 2:00	8	2	2	20.30
08/02/2018 3:00	8	2	3	19.62

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08/02/2018 6:00	8	2	6		22.33
08/02/2018 7:00	8	2	7		23.94
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08/02/2018 10:00	8	2	10		33.26
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08/02/2018 12:00	8	2	12		37.35
08/02/2018 13:00	8	2	13		39.49
08/02/2018 14:00	8	2	14		43.99
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08/02/2018 16:00	8	2	16		49.14
08/02/2018 17:00	8	2	17		44.95
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08/02/2018 19:00	8	2	19		37.62
08/02/2018 20:00	8	2	20		37.74
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08/02/2018 22:00	8	2	22		26.25
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08/03/2018 0:00	8	3	0		23.81
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08/03/2018 7:00	8	3	7		24.89
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08/03/2018 10:00	8	3	10		34.19
08/03/2018 11:00	8	3	11		37.92
08/03/2018 12:00	8	3	12		37.20
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08/03/2018 15:00	8	3	15		46.66
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08/03/2018 18:00	8	3	18		39.99
08/03/2018 19:00	8	3	19		36.02
08/03/2018 20:00	8	3	20		36.29
08/03/2018 21:00	8	3	21		31.75
08/03/2018 22:00	8	3	22		26.25
08/03/2018 23:00	8	3	23		25.47
08/04/2018 0:00	8	4	0	W	21.94
08/04/2018 1:00	8	4	1	W	20.89
08/04/2018 2:00	8	4	2	W	19.84



08/04/2018 3:00	8	4	3	W	19.12
08/04/2018 4:00	8	4	4	W	18.83
08/04/2018 5:00	8	4	5	W	19.04
08/04/2018 6:00	8	4	6	W	19.05
08/04/2018 7:00	8	4	7	W	19.77
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08/04/2018 10:00	8	4	10	W	29.23
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08/04/2018 12:00	8	4	12	W	38.64
08/04/2018 13:00	8	4	13	W	41.55
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08/04/2018 15:00	8	4	15	W	47.94
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08/04/2018 18:00	8	4	18	W	43.66
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08/04/2018 21:00	8	4	21	W	32.39
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08/04/2018 23:00	8	4	23	W	24.38
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08/05/2018 7:00	8	5	7	W	19.02
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08/05/2018 10:00	8	5	10	W	27.49
08/05/2018 11:00	8	5	11	W	33.53
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08/05/2018 13:00	8	5	13	W	42.95
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08/05/2018 20:00	8	5	20	W	39.75
08/05/2018 21:00	8	5	21	W	33.39
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08/05/2018 23:00	8	5	23	W	25.70
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08/06/2018 11:00	8	6	11	44.04
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08/06/2018 13:00	8	6	13	49.63
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08/07/2018 5:00	8	7	5	20.36
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08/07/2018 15:00	8	7	15	56.59
08/07/2018 16:00	8	7	16	59.48
08/07/2018 17:00	8	7	17	53.27
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08/07/2018 19:00	8	7	19	40.91
08/07/2018 20:00	8	7	20	39.36
08/07/2018 21:00	8	7	21	34.76
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08/09/2018 22:00	8	9	22	27.34
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08/10/2018 4:00	8	10	4		19.78
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08/10/2018 13:00	8	10	13		47.62
08/10/2018 14:00	8	10	14		51.56
08/10/2018 15:00	8	10	15		51.77
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08/10/2018 17:00	8	10	17		48.73
08/10/2018 18:00	8	10	18		42.80
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08/11/2018 6:00	8	11	6	W	20.18
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08/11/2018 9:00	8	11	9	W	25.21
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08/11/2018 11:00	8	11	11	W	31.59
08/11/2018 12:00	8	11	12	W	33.27
08/11/2018 13:00	8	11	13	W	34.86
08/11/2018 14:00	8	11	14	W	35.33
08/11/2018 15:00	8	11	15	W	39.80
08/11/2018 16:00	8	11	16	W	42.42
08/11/2018 17:00	8	11	17	W	40.50
08/11/2018 18:00	8	11	18	W	35.65
08/11/2018 19:00	8	11	19	W	32.98
08/11/2018 20:00	8	11	20	W	32.11
08/11/2018 21:00	8	11	21	W	28.31
08/11/2018 22:00	8	11	22	W	24.03

08/11/2018 23:00	8	11	23	W	23.34
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08/12/2018 2:00	8	12	2	W	20.00
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08/12/2018 19:00	8	12	19	W	36.17
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08/12/2018 21:00	8	12	21	W	31.10
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08/13/2018 5:00	8	13	5		20.72
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08/14/2018 9:00	8	14	9	27.15
08/14/2018 10:00	8	14	10	31.41
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08/16/2018 12:00	8	16	12	36.97
08/16/2018 13:00	8	16	13	39.90
08/16/2018 14:00	8	16	14	45.29
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08/16/2018 16:00	8	16	16	51.19
08/16/2018 17:00	8	16	17	45.00
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08/18/2018 0:00	8	18	0	W	25.96
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08/18/2018 3:00	8	18	3	W	21.45
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08/18/2018 5:00	8	18	5	W	21.19
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08/18/2018 7:00	8	18	7	W	22.62
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08/18/2018 19:00	8	18	19	W	37.08
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08/18/2018 21:00	8	18	21	W	33.49
08/18/2018 22:00	8	18	22	W	27.09
08/18/2018 23:00	8	18	23	W	25.86
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08/19/2018 2:00	8	19	2	W	20.77
08/19/2018 3:00	8	19	3	W	20.13
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08/19/2018 5:00	8	19	5	W	19.58
08/19/2018 6:00	8	19	6	W	19.26
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08/19/2018 16:00	8	19	16	W	39.53
08/19/2018 17:00	8	19	17	W	40.39
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08/20/2018 5:00	8	20	5		20.50
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08/21/2018 4:00	8	21	4		20.04
08/21/2018 5:00	8	21	5		21.51
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08/21/2018 16:00	8	21	16		36.94
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08/21/2018 20:00	8	21	20	33.70
08/21/2018 21:00	8	21	21	29.41
08/21/2018 22:00	8	21	22	24.71
08/21/2018 23:00	8	21	23	23.46
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08/22/2018 20:00	8	22	20	32.87
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08/23/2018 15:00	8	23	15	34.64
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08/24/2018 0:00	8	24	0		19.94
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08/24/2018 3:00	8	24	3		18.23
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08/24/2018 5:00	8	24	5		19.64
08/24/2018 6:00	8	24	6		21.42
08/24/2018 7:00	8	24	7		21.50
08/24/2018 8:00	8	24	8		21.91
08/24/2018 9:00	8	24	9		23.18
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08/24/2018 11:00	8	24	11		27.07
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08/24/2018 13:00	8	24	13		30.59
08/24/2018 14:00	8	24	14		33.33
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08/24/2018 20:00	8	24	20		27.87
08/24/2018 21:00	8	24	21		25.15
08/24/2018 22:00	8	24	22		22.95
08/24/2018 23:00	8	24	23		20.64
08/25/2018 0:00	8	25	0	W	19.36
08/25/2018 1:00	8	25	1	W	19.14
08/25/2018 2:00	8	25	2	W	18.92
08/25/2018 3:00	8	25	3	W	18.47
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08/25/2018 6:00	8	25	6	W	18.89
08/25/2018 7:00	8	25	7	W	19.22
08/25/2018 8:00	8	25	8	W	19.56
08/25/2018 9:00	8	25	9	W	21.39
08/25/2018 10:00	8	25	10	W	23.30
08/25/2018 11:00	8	25	11	W	25.44
08/25/2018 12:00	8	25	12	W	30.16
08/25/2018 13:00	8	25	13	W	33.03
08/25/2018 14:00	8	25	14	W	36.13
08/25/2018 15:00	8	25	15	W	36.51

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08/25/2018 17:00	8	25	17	W	46.13
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08/25/2018 19:00	8	25	19	W	33.43
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08/26/2018 3:00	8	26	3	W	18.76
08/26/2018 4:00	8	26	4	W	18.42
08/26/2018 5:00	8	26	5	W	18.56
08/26/2018 6:00	8	26	6	W	18.61
08/26/2018 7:00	8	26	7	W	19.19
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08/26/2018 9:00	8	26	9	W	22.84
08/26/2018 10:00	8	26	10	W	26.49
08/26/2018 11:00	8	26	11	W	32.54
08/26/2018 12:00	8	26	12	W	39.25
08/26/2018 13:00	8	26	13	W	43.64
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08/26/2018 16:00	8	26	16	W	56.73
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08/26/2018 19:00	8	26	19	W	43.71
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09/08/2018 23:00	9	8	23	W	19.79
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09/09/2018 20:00	9	9	20	W	27.22
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09/29/2018 13:00	9	29	13	W	29.78
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09/29/2018 16:00	9	29	16	W	31.65
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09/29/2018 20:00	9	29	20	W	33.65
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10/14/2018 3:00	10	14	3	W	20.92
10/14/2018 4:00	10	14	4	W	20.78
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11/09/2018 22:00	11	9	22	29.07
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12/18/2018 11:00	12	18	11	36.60
12/18/2018 12:00	12	18	12	34.34
12/18/2018 13:00	12	18	13	33.64
12/18/2018 14:00	12	18	14	32.58
12/18/2018 15:00	12	18	15	32.39
12/18/2018 16:00	12	18	16	38.48
12/18/2018 17:00	12	18	17	50.59
12/18/2018 18:00	12	18	18	47.18
12/18/2018 19:00	12	18	19	44.98
12/18/2018 20:00	12	18	20	40.24
12/18/2018 21:00	12	18	21	36.97
12/18/2018 22:00	12	18	22	33.69
12/18/2018 23:00	12	18	23	30.84
12/19/2018 0:00	12	19	0	29.87
12/19/2018 1:00	12	19	1	29.25
12/19/2018 2:00	12	19	2	29.08
12/19/2018 3:00	12	19	3	29.62

12/19/2018 4:00	12	19	4	31.28
12/19/2018 5:00	12	19	5	32.77
12/19/2018 6:00	12	19	6	42.48
12/19/2018 7:00	12	19	7	49.47
12/19/2018 8:00	12	19	8	40.10
12/19/2018 9:00	12	19	9	37.61
12/19/2018 10:00	12	19	10	35.02
12/19/2018 11:00	12	19	11	32.65
12/19/2018 12:00	12	19	12	31.76
12/19/2018 13:00	12	19	13	31.25
12/19/2018 14:00	12	19	14	29.90
12/19/2018 15:00	12	19	15	29.90
12/19/2018 16:00	12	19	16	33.31
12/19/2018 17:00	12	19	17	39.51
12/19/2018 18:00	12	19	18	40.87
12/19/2018 19:00	12	19	19	38.06
12/19/2018 20:00	12	19	20	35.46
12/19/2018 21:00	12	19	21	32.60
12/19/2018 22:00	12	19	22	29.62
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12/20/2018 8:00	12	20	8	37.25
12/20/2018 9:00	12	20	9	35.12
12/20/2018 10:00	12	20	10	34.70
12/20/2018 11:00	12	20	11	32.41
12/20/2018 12:00	12	20	12	31.33
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12/21/2018 5:00	12	21	5		23.87
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12/21/2018 7:00	12	21	7		32.51
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12/21/2018 9:00	12	21	9		30.08
12/21/2018 10:00	12	21	10		30.78
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12/22/2018 0:00	12	22	0	W	24.19
12/22/2018 1:00	12	22	1	W	23.74
12/22/2018 2:00	12	22	2	W	23.43
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12/22/2018 4:00	12	22	4	W	23.78
12/22/2018 5:00	12	22	5	W	24.19
12/22/2018 6:00	12	22	6	W	25.01
12/22/2018 7:00	12	22	7	W	27.98
12/22/2018 8:00	12	22	8	W	30.25
12/22/2018 9:00	12	22	9	W	30.85
12/22/2018 10:00	12	22	10	W	30.76
12/22/2018 11:00	12	22	11	W	27.92
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12/22/2018 16:00	12	22	16	W	26.80
12/22/2018 17:00	12	22	17	W	35.67
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12/22/2018 19:00	12	22	19	W	33.70
12/22/2018 20:00	12	22	20	W	34.66
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12/22/2018 22:00	12	22	22	W	27.85
12/22/2018 23:00	12	22	23	W	26.23
12/23/2018 0:00	12	23	0	W	25.47
12/23/2018 1:00	12	23	1	W	25.18



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12/23/2018 5:00	12	23	5	W	25.16
12/23/2018 6:00	12	23	6	W	26.41
12/23/2018 7:00	12	23	7	W	27.93
12/23/2018 8:00	12	23	8	W	29.41
12/23/2018 9:00	12	23	9	W	29.11
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12/23/2018 12:00	12	23	12	W	24.78
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12/23/2018 14:00	12	23	14	W	24.19
12/23/2018 15:00	12	23	15	W	24.23
12/23/2018 16:00	12	23	16	W	27.03
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12/23/2018 18:00	12	23	18	W	34.71
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12/24/2018 9:00	12	24	9		30.98
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12/24/2018 11:00	12	24	11		28.13
12/24/2018 12:00	12	24	12		26.72
12/24/2018 13:00	12	24	13		26.06
12/24/2018 14:00	12	24	14		25.63
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12/24/2018 18:00	12	24	18		32.67
12/24/2018 19:00	12	24	19		32.57
12/24/2018 20:00	12	24	20		30.88
12/24/2018 21:00	12	24	21		29.25
12/24/2018 22:00	12	24	22		26.89
12/24/2018 23:00	12	24	23		26.04
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12/25/2018 8:00	12	25	8	28.63
12/25/2018 9:00	12	25	9	28.11
12/25/2018 10:00	12	25	10	27.54
12/25/2018 11:00	12	25	11	26.25
12/25/2018 12:00	12	25	12	24.89
12/25/2018 13:00	12	25	13	24.33
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12/26/2018 4:00	12	26	4	26.83
12/26/2018 5:00	12	26	5	28.08
12/26/2018 6:00	12	26	6	33.21
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12/26/2018 10:00	12	26	10	30.99
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12/26/2018 18:00	12	26	18	32.28
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12/26/2018 22:00	12	26	22	26.51
12/26/2018 23:00	12	26	23	24.30

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12/27/2018 7:00	12	27	7	32.66
12/27/2018 8:00	12	27	8	31.60
12/27/2018 9:00	12	27	9	29.20
12/27/2018 10:00	12	27	10	27.68
12/27/2018 11:00	12	27	11	26.24
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12/27/2018 16:00	12	27	16	26.20
12/27/2018 17:00	12	27	17	31.20
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12/27/2018 21:00	12	27	21	25.04
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12/28/2018 21:00	12	28	21	22.32
12/28/2018 22:00	12	28	22	21.54

12/28/2018 23:00	12	28	23		20.02
12/29/2018 0:00	12	29	0	W	19.81
12/29/2018 1:00	12	29	1	W	19.73
12/29/2018 2:00	12	29	2	W	19.64
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12/29/2018 5:00	12	29	5	W	20.04
12/29/2018 6:00	12	29	6	W	21.33
12/29/2018 7:00	12	29	7	W	22.42
12/29/2018 8:00	12	29	8	W	23.39
12/29/2018 9:00	12	29	9	W	24.42
12/29/2018 10:00	12	29	10	W	24.59
12/29/2018 11:00	12	29	11	W	24.11
12/29/2018 12:00	12	29	12	W	23.32
12/29/2018 13:00	12	29	13	W	22.21
12/29/2018 14:00	12	29	14	W	21.85
12/29/2018 15:00	12	29	15	W	22.03
12/29/2018 16:00	12	29	16	W	24.22
12/29/2018 17:00	12	29	17	W	30.16
12/29/2018 18:00	12	29	18	W	28.84
12/29/2018 19:00	12	29	19	W	28.90
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12/29/2018 21:00	12	29	21	W	25.84
12/29/2018 22:00	12	29	22	W	24.31
12/29/2018 23:00	12	29	23	W	23.69
12/30/2018 0:00	12	30	0	W	23.08
12/30/2018 1:00	12	30	1	W	22.15
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12/30/2018 3:00	12	30	3	W	21.70
12/30/2018 4:00	12	30	4	W	21.85
12/30/2018 5:00	12	30	5	W	22.33
12/30/2018 6:00	12	30	6	W	22.75
12/30/2018 7:00	12	30	7	W	23.91
12/30/2018 8:00	12	30	8	W	24.89
12/30/2018 9:00	12	30	9	W	25.51
12/30/2018 10:00	12	30	10	W	24.49
12/30/2018 11:00	12	30	11	W	23.87
12/30/2018 12:00	12	30	12	W	23.01
12/30/2018 13:00	12	30	13	W	22.53
12/30/2018 14:00	12	30	14	W	21.94
12/30/2018 15:00	12	30	15	W	22.06
12/30/2018 16:00	12	30	16	W	23.68
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12/30/2018 19:00	12	30	19	W	27.53
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12/30/2018 21:00	12	30	21	W	26.04

12/30/2018 22:00	12	30	22	W	24.06
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12/31/2018 0:00	12	31	0		20.70
12/31/2018 1:00	12	31	1		20.50
12/31/2018 2:00	12	31	2		20.45
12/31/2018 3:00	12	31	3		20.51
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12/31/2018 5:00	12	31	5		21.99
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12/31/2018 7:00	12	31	7		27.48
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12/31/2018 13:00	12	31	13		24.86
12/31/2018 14:00	12	31	14		24.52
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12/31/2018 17:00	12	31	17		27.95
12/31/2018 18:00	12	31	18		26.08
12/31/2018 19:00	12	31	19		24.98
12/31/2018 20:00	12	31	20		23.91
12/31/2018 21:00	12	31	21		22.99
12/31/2018 22:00	12	31	22		21.27
12/31/2018 23:00	12	31	23		20.31

**LMP:** AEPKYRESIDAGG.RESIDUALMETEREDEDED  
**Year:** 2019

**Time**  
 6:00 PM Weekends off-Peak

**First month** **Last month** **Start**  
 On-Peak 1 12 8

41.30 33.65

**On-Peak** **Off-Peak**

-	42.78
-	37.08
-	33.65
-	35.12
-	34.2
-	41.27
-	49.05
-	52.45
61.5	-
64.9	-
63.38	-
48.93	-
38.46	-
33.07	-
31.93	-
33.8	-
45.31	-
-	73.62
-	87.18
-	79.67
-	74.27
-	71.74
-	61.07
-	46.28
-	124.84
-	134.03
-	135.87
-	150.76
-	121.15
-	156.01
-	180.27
-	193.4
229.05	-
169.08	-
158.75	-
102.13	-
83.57	-
65.25	-
58.85	-

Time Stamp	Month	Day	Hour
01/01/2019 0:00	1	1	0
01/01/2019 1:00	1	1	1
01/01/2019 2:00	1	1	2
01/01/2019 3:00	1	1	3
01/01/2019 4:00	1	1	4
01/01/2019 5:00	1	1	5
01/01/2019 6:00	1	1	6
01/01/2019 7:00	1	1	7
01/01/2019 8:00	1	1	8
01/01/2019 9:00	1	1	9
01/01/2019 10:00	1	1	10
01/01/2019 11:00	1	1	11
01/01/2019 12:00	1	1	12
01/01/2019 13:00	1	1	13
01/01/2019 14:00	1	1	14
01/01/2019 15:00	1	1	15
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01/01/2019 18:00	1	1	18
01/01/2019 19:00	1	1	19
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01/01/2019 21:00	1	1	21
01/01/2019 22:00	1	1	22
01/01/2019 23:00	1	1	23
01/02/2019 0:00	1	2	0
01/02/2019 1:00	1	2	1
01/02/2019 2:00	1	2	2
01/02/2019 3:00	1	2	3
01/02/2019 4:00	1	2	4
01/02/2019 5:00	1	2	5
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01/02/2019 7:00	1	2	7
01/02/2019 8:00	1	2	8
01/02/2019 9:00	1	2	9
01/02/2019 10:00	1	2	10
01/02/2019 11:00	1	2	11
01/02/2019 12:00	1	2	12
01/02/2019 13:00	1	2	13
01/02/2019 14:00	1	2	14

55.36	-	01/02/2019 15:00	1	2	15
72.62	-	01/02/2019 16:00	1	2	16
-	138.81	01/02/2019 17:00	1	2	17
-	143.13	01/02/2019 18:00	1	2	18
-	130.24	01/02/2019 19:00	1	2	19
-	121.94	01/02/2019 20:00	1	2	20
-	113.34	01/02/2019 21:00	1	2	21
-	108.97	01/02/2019 22:00	1	2	22
-	89.11	01/02/2019 23:00	1	2	23
-	127.73	01/03/2019 0:00	1	3	0
-	116.68	01/03/2019 1:00	1	3	1
-	116.75	01/03/2019 2:00	1	3	2
-	118.4	01/03/2019 3:00	1	3	3
-	126.67	01/03/2019 4:00	1	3	4
-	139.38	01/03/2019 5:00	1	3	5
-	212.74	01/03/2019 6:00	1	3	6
-	189.43	01/03/2019 7:00	1	3	7
198.89	-	01/03/2019 8:00	1	3	8
179.3	-	01/03/2019 9:00	1	3	9
129.57	-	01/03/2019 10:00	1	3	10
97.82	-	01/03/2019 11:00	1	3	11
91.36	-	01/03/2019 12:00	1	3	12
82.22	-	01/03/2019 13:00	1	3	13
73.66	-	01/03/2019 14:00	1	3	14
72.25	-	01/03/2019 15:00	1	3	15
83.45	-	01/03/2019 16:00	1	3	16
-	140.27	01/03/2019 17:00	1	3	17
-	173.25	01/03/2019 18:00	1	3	18
-	152.92	01/03/2019 19:00	1	3	19
-	134.13	01/03/2019 20:00	1	3	20
-	114.41	01/03/2019 21:00	1	3	21
-	100.69	01/03/2019 22:00	1	3	22
-	78.63	01/03/2019 23:00	1	3	23
-	92.66	01/04/2019 0:00	1	4	0
-	87.08	01/04/2019 1:00	1	4	1
-	78.93	01/04/2019 2:00	1	4	2
-	80.59	01/04/2019 3:00	1	4	3
-	76.03	01/04/2019 4:00	1	4	4
-	83.26	01/04/2019 5:00	1	4	5
-	103.15	01/04/2019 6:00	1	4	6
-	125.12	01/04/2019 7:00	1	4	7
127.05	-	01/04/2019 8:00	1	4	8
128.86	-	01/04/2019 9:00	1	4	9
155.03	-	01/04/2019 10:00	1	4	10
135.14	-	01/04/2019 11:00	1	4	11
114.39	-	01/04/2019 12:00	1	4	12
102.25	-	01/04/2019 13:00	1	4	13

98.21	-	01/04/2019 14:00	1	4	14
97.1	-	01/04/2019 15:00	1	4	15
111.05	-	01/04/2019 16:00	1	4	16
-	148.45	01/04/2019 17:00	1	4	17
-	170.69	01/04/2019 18:00	1	4	18
-	167.94	01/04/2019 19:00	1	4	19
-	157.63	01/04/2019 20:00	1	4	20
-	155.71	01/04/2019 21:00	1	4	21
-	144.44	01/04/2019 22:00	1	4	22
-	121.5	01/04/2019 23:00	1	4	23
-	142.51	01/05/2019 0:00	1	5	0
-	138.43	01/05/2019 1:00	1	5	1
-	139.61	01/05/2019 2:00	1	5	2
-	143.49	01/05/2019 3:00	1	5	3
-	142.6	01/05/2019 4:00	1	5	4
-	166.38	01/05/2019 5:00	1	5	5
-	253.09	01/05/2019 6:00	1	5	6
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108.16	-	01/05/2019 12:00	1	5	12
107.64	-	01/05/2019 13:00	1	5	13
77.3	-	01/05/2019 14:00	1	5	14
91.64	-	01/05/2019 15:00	1	5	15
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-	211.13	01/05/2019 18:00	1	5	18
-	183.75	01/05/2019 19:00	1	5	19
-	194.29	01/05/2019 20:00	1	5	20
-	166.83	01/05/2019 21:00	1	5	21
-	125.3	01/05/2019 22:00	1	5	22
-	122.7	01/05/2019 23:00	1	5	23
-	104.4	01/06/2019 0:00	1	6	0
-	99.14	01/06/2019 1:00	1	6	1
-	103.18	01/06/2019 2:00	1	6	2
-	109.89	01/06/2019 3:00	1	6	3
-	107.59	01/06/2019 4:00	1	6	4
-	120.56	01/06/2019 5:00	1	6	5
-	133.41	01/06/2019 6:00	1	6	6
-	133.02	01/06/2019 7:00	1	6	7
-	155.31	01/06/2019 8:00	1	6	8
-	91.06	01/06/2019 9:00	1	6	9
-	74.89	01/06/2019 10:00	1	6	10
-	62.03	01/06/2019 11:00	1	6	11
-	48.19	01/06/2019 12:00	1	6	12



-	45.62	01/06/2019 13:00	1	6	13
-	37.34	01/06/2019 14:00	1	6	14
-	37.88	01/06/2019 15:00	1	6	15
-	60.64	01/06/2019 16:00	1	6	16
-	97.84	01/06/2019 17:00	1	6	17
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-	100.48	01/06/2019 19:00	1	6	19
-	92.51	01/06/2019 20:00	1	6	20
-	90.78	01/06/2019 21:00	1	6	21
-	81.62	01/06/2019 22:00	1	6	22
-	96.24	01/06/2019 23:00	1	6	23
-	120.81	01/07/2019 0:00	1	7	0
-	110.89	01/07/2019 1:00	1	7	1
-	90.18	01/07/2019 2:00	1	7	2
-	114.23	01/07/2019 3:00	1	7	3
-	93.52	01/07/2019 4:00	1	7	4
-	119.01	01/07/2019 5:00	1	7	5
-	135.44	01/07/2019 6:00	1	7	6
-	134.15	01/07/2019 7:00	1	7	7
-	134.31	01/07/2019 8:00	1	7	8
-	110.81	01/07/2019 9:00	1	7	9
-	100.36	01/07/2019 10:00	1	7	10
-	61.56	01/07/2019 11:00	1	7	11
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-	44.48	01/07/2019 13:00	1	7	13
-	35.54	01/07/2019 14:00	1	7	14
-	33.93	01/07/2019 15:00	1	7	15
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-	80.81	01/07/2019 17:00	1	7	17
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-	64.75	01/07/2019 22:00	1	7	22
-	45.12	01/07/2019 23:00	1	7	23
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-	68.17	01/08/2019 3:00	1	8	3
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-	80.01	01/08/2019 5:00	1	8	5
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-	100.49	01/08/2019 7:00	1	8	7
87.2	-	01/08/2019 8:00	1	8	8
78.8	-	01/08/2019 9:00	1	8	9
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47.91	-	01/08/2019 12:00	1	8	12
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34.71	-	01/08/2019 14:00	1	8	14
33.31	-	01/08/2019 15:00	1	8	15
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-	80.69	01/08/2019 18:00	1	8	18
-	71.14	01/08/2019 19:00	1	8	19
-	62.66	01/08/2019 20:00	1	8	20
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-	39.98	01/08/2019 22:00	1	8	22
-	27.3	01/08/2019 23:00	1	8	23
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-	28.53	01/09/2019 1:00	1	9	1
-	27.85	01/09/2019 2:00	1	9	2
-	28.65	01/09/2019 3:00	1	9	3
-	30.96	01/09/2019 4:00	1	9	4
-	39.96	01/09/2019 5:00	1	9	5
-	54.69	01/09/2019 6:00	1	9	6
-	56.31	01/09/2019 7:00	1	9	7
47.86	-	01/09/2019 8:00	1	9	8
46.83	-	01/09/2019 9:00	1	9	9
37.58	-	01/09/2019 10:00	1	9	10
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31.04	-	01/09/2019 12:00	1	9	12
29.79	-	01/09/2019 13:00	1	9	13
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28.6	-	01/09/2019 15:00	1	9	15
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-	48.25	01/09/2019 18:00	1	9	18
-	47.83	01/09/2019 19:00	1	9	19
-	44.04	01/09/2019 20:00	1	9	20
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-	32.68	01/09/2019 22:00	1	9	22
-	28.53	01/09/2019 23:00	1	9	23
-	35.13	01/10/2019 0:00	1	10	0
-	32.89	01/10/2019 1:00	1	10	1
-	31.54	01/10/2019 2:00	1	10	2
-	32.72	01/10/2019 3:00	1	10	3
-	36.35	01/10/2019 4:00	1	10	4
-	40.39	01/10/2019 5:00	1	10	5
-	52.68	01/10/2019 6:00	1	10	6
-	54.13	01/10/2019 7:00	1	10	7
43.28	-	01/10/2019 8:00	1	10	8
39.61	-	01/10/2019 9:00	1	10	9
35.16	-	01/10/2019 10:00	1	10	10

32.54	-	01/10/2019 11:00	1	10	11
29.26	-	01/10/2019 12:00	1	10	12
28.33	-	01/10/2019 13:00	1	10	13
27.58	-	01/10/2019 14:00	1	10	14
27.43	-	01/10/2019 15:00	1	10	15
28.68	-	01/10/2019 16:00	1	10	16
-	39.85	01/10/2019 17:00	1	10	17
-	38.57	01/10/2019 18:00	1	10	18
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-	30.39	01/10/2019 20:00	1	10	20
-	30.29	01/10/2019 21:00	1	10	21
-	27.06	01/10/2019 22:00	1	10	22
-	24.59	01/10/2019 23:00	1	10	23
-	22.98	01/11/2019 0:00	1	11	0
-	22.73	01/11/2019 1:00	1	11	1
-	22.25	01/11/2019 2:00	1	11	2
-	22.3	01/11/2019 3:00	1	11	3
-	22.43	01/11/2019 4:00	1	11	4
-	23.65	01/11/2019 5:00	1	11	5
-	31.73	01/11/2019 6:00	1	11	6
-	31.88	01/11/2019 7:00	1	11	7
29.4	-	01/11/2019 8:00	1	11	8
28.94	-	01/11/2019 9:00	1	11	9
29.32	-	01/11/2019 10:00	1	11	10
27.74	-	01/11/2019 11:00	1	11	11
26.11	-	01/11/2019 12:00	1	11	12
25.71	-	01/11/2019 13:00	1	11	13
24.97	-	01/11/2019 14:00	1	11	14
24.72	-	01/11/2019 15:00	1	11	15
26.74	-	01/11/2019 16:00	1	11	16
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-	29.01	01/11/2019 19:00	1	11	19
-	27.47	01/11/2019 20:00	1	11	20
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-	22.89	01/11/2019 22:00	1	11	22
-	21.79	01/11/2019 23:00	1	11	23
-	20.65	01/12/2019 0:00	1	12	0
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-	20.6	01/12/2019 3:00	1	12	3
-	20.61	01/12/2019 4:00	1	12	4
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28.56	-	01/12/2019 8:00	1	12	8
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27.98	-	01/12/2019 15:00	1	12	15
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-	26.23	01/12/2019 22:00	1	12	22
-	24.78	01/12/2019 23:00	1	12	23
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-	22.56	01/13/2019 2:00	1	13	2
-	22.66	01/13/2019 3:00	1	13	3
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-	38.98	01/13/2019 8:00	1	13	8
-	53.79	01/13/2019 9:00	1	13	9
-	76.17	01/13/2019 10:00	1	13	10
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-	55.14	01/13/2019 13:00	1	13	13
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-	84.66	01/13/2019 17:00	1	13	17
-	87.11	01/13/2019 18:00	1	13	18
-	91.17	01/13/2019 19:00	1	13	19
-	91.26	01/13/2019 20:00	1	13	20
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-	74.09	01/13/2019 22:00	1	13	22
-	64.65	01/13/2019 23:00	1	13	23
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-	79.41	01/14/2019 2:00	1	14	2
-	85.74	01/14/2019 3:00	1	14	3
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96.67	-	01/15/2019 10:00	1	15	10
78.23	-	01/15/2019 11:00	1	15	11
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51.39	-	01/16/2019 14:00	1	16	14
51.36	-	01/16/2019 15:00	1	16	15
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-	89.88	01/16/2019 18:00	1	16	18
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127.55	-	01/17/2019 9:00	1	17	9
118.43	-	01/17/2019 10:00	1	17	10
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90.95	-	01/17/2019 12:00	1	17	12
80.8	-	01/17/2019 13:00	1	17	13
70.35	-	01/17/2019 14:00	1	17	14
66.34	-	01/17/2019 15:00	1	17	15
76.51	-	01/17/2019 16:00	1	17	16
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35.84	-	01/18/2019 12:00	1	18	12
31.36	-	01/18/2019 13:00	1	18	13
29.15	-	01/18/2019 14:00	1	18	14
28.97	-	01/18/2019 15:00	1	18	15
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29.73	-	01/19/2019 12:00	1	19	12
27.41	-	01/19/2019 13:00	1	19	13
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25.83	-	01/19/2019 15:00	1	19	15
28.28	-	01/19/2019 16:00	1	19	16
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-	29.15	01/19/2019 22:00	1	19	22
-	27.71	01/19/2019 23:00	1	19	23
-	27.32	01/20/2019 0:00	1	20	0
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-	26.47	01/20/2019 3:00	1	20	3
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-	24.15	02/03/2019 14:00	2	3	14
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-	24.49	02/03/2019 16:00	2	3	16
-	27.77	02/03/2019 17:00	2	3	17
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-	24.44	02/04/2019 13:00	2	4	13
-	24.19	02/04/2019 14:00	2	4	14
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27.56	-	03/05/2019 13:00	3	5	13
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-	24.92	03/06/2019 2:00	3	6	2
-	25.46	03/06/2019 3:00	3	6	3
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-	26.16	03/06/2019 23:00	3	6	23
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-	28.16	03/07/2019 23:00	3	7	23
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-	25.7	03/08/2019 2:00	3	8	2
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30.71

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-	32.25	04/21/2019 12:00	4	21	12
-	28.96	04/21/2019 13:00	4	21	13
-	27.44	04/21/2019 14:00	4	21	14
-	27.32	04/21/2019 15:00	4	21	15
-	27.16	04/21/2019 16:00	4	21	16
-	27.34	04/21/2019 17:00	4	21	17
-	27.52	04/21/2019 18:00	4	21	18
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-	28.43	04/21/2019 22:00	4	21	22
-	27.52	04/21/2019 23:00	4	21	23
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-	25.24	04/22/2019 3:00	4	22	3
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-	25.99	04/22/2019 13:00	4	22	13
-	25.56	04/22/2019 14:00	4	22	14
-	25.5	04/22/2019 15:00	4	22	15
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-	26.91	04/22/2019 17:00	4	22	17
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-	25.05	04/22/2019 23:00	4	22	23
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-	22.63	04/23/2019 2:00	4	23	2
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-	25.52	04/23/2019 23:00	4	23	23
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-	32.78	04/24/2019 22:00	4	24	22
-	27.98	04/24/2019 23:00	4	24	23
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-	24.37	04/26/2019 2:00	4	26	2
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-	22.93	04/27/2019 2:00	4	27	2
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-	36.73	04/28/2019 13:00	4	28	13
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-	27.17	04/29/2019 13:00	4	29	13
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-	25.97	04/29/2019 15:00	4	29	15
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36.14	-	05/02/2019 10:00	5	2	10
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36.99	-	05/04/2019 10:00	5	4	10
38.83	-	05/04/2019 11:00	5	4	11
40.03	-	05/04/2019 12:00	5	4	12
44.39	-	05/04/2019 13:00	5	4	13
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57.94	-	05/04/2019 15:00	5	4	15
62.38	-	05/04/2019 16:00	5	4	16
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-	26.43	05/05/2019 2:00	5	5	2
-	25.15	05/05/2019 3:00	5	5	3
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-	24.11	05/06/2019 15:00	5	6	15
-	25.07	05/06/2019 16:00	5	6	16
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-	24.7	05/06/2019 18:00	5	6	18
-	26.37	05/06/2019 19:00	5	6	19
-	33.42	05/06/2019 20:00	5	6	20
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-	22.8	05/06/2019 22:00	5	6	22
-	21.79	05/06/2019 23:00	5	6	23
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-	20.44	05/07/2019 3:00	5	7	3
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35.43	-	05/07/2019 10:00	5	7	10
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-	32.49	05/07/2019 18:00	5	7	18
-	33.82	05/07/2019 19:00	5	7	19
-	37.62	05/07/2019 20:00	5	7	20
-	35	05/07/2019 21:00	5	7	21
-	25.84	05/07/2019 22:00	5	7	22
-	23.93	05/07/2019 23:00	5	7	23

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-	36.99	05/09/2019 18:00	5	9	18
-	36.17	05/09/2019 19:00	5	9	19
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-	23.09	05/22/2019 0:00	5	22	0
-	22.05	05/22/2019 1:00	5	22	1
-	21.45	05/22/2019 2:00	5	22	2
-	20.96	05/22/2019 3:00	5	22	3
-	21.78	05/22/2019 4:00	5	22	4
-	24.56	05/22/2019 5:00	5	22	5
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41.97	-	05/22/2019 12:00	5	22	12
44.68	-	05/22/2019 13:00	5	22	13
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49.67	-	05/22/2019 15:00	5	22	15
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-	51.74	05/22/2019 17:00	5	22	17
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-	41.97	05/22/2019 19:00	5	22	19
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-	31.52	05/22/2019 22:00	5	22	22
-	25.69	05/22/2019 23:00	5	22	23
-	22.64	05/23/2019 0:00	5	23	0
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-	19.87	05/23/2019 2:00	5	23	2
-	19.37	05/23/2019 3:00	5	23	3
-	20.29	05/23/2019 4:00	5	23	4
-	23.03	05/23/2019 5:00	5	23	5
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45.87	-	05/23/2019 13:00	5	23	13
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-	31.44	05/23/2019 22:00	5	23	22
-	25.27	05/23/2019 23:00	5	23	23
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41.91	-	05/24/2019 11:00	5	24	11
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-	25.11	05/24/2019 23:00	5	24	23
-	22.63	05/25/2019 0:00	5	25	0
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-	20.42	05/25/2019 2:00	5	25	2
-	19.58	05/25/2019 3:00	5	25	3
-	20.52	05/25/2019 4:00	5	25	4
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29.92	-	05/25/2019 8:00	5	25	8
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-	20.34	05/26/2019 5:00	5	26	5
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-	27.37	05/26/2019 8:00	5	26	8
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-	29.96	05/26/2019 23:00	5	26	23
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-	51.57	05/27/2019 14:00	5	27	14
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-	34.38	05/27/2019 22:00	5	27	22
-	26.7	05/27/2019 23:00	5	27	23
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-	19.07	05/28/2019 2:00	5	28	2
-	17.57	05/28/2019 3:00	5	28	3
-	16.3	05/28/2019 4:00	5	28	4
-	16.67	05/28/2019 5:00	5	28	5
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-	19.23	05/28/2019 7:00	5	28	7
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23.55	-	05/28/2019 9:00	5	28	9
26.2	-	05/28/2019 10:00	5	28	10
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36.91	-	05/28/2019 12:00	5	28	12
41.94	-	05/28/2019 13:00	5	28	13
44.16	-	05/28/2019 14:00	5	28	14
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-	23.79	05/28/2019 23:00	5	28	23
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28.96	-	05/29/2019 8:00	5	29	8
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35.27	-	05/29/2019 10:00	5	29	10
41.68	-	05/29/2019 11:00	5	29	11
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-	25.19	05/29/2019 23:00	5	29	23
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-	22.34	05/30/2019 5:00	5	30	5
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32.73	-	05/30/2019 9:00	5	30	9
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-	23.72	05/30/2019 23:00	5	30	23
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45.42	-	05/31/2019 9:00	5	31	9
49.05	-	05/31/2019 10:00	5	31	10
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52.03	-	06/01/2019 13:00	6	1	13
60.85	-	06/01/2019 14:00	6	1	14
63.37	-	06/01/2019 15:00	6	1	15
66.91	-	06/01/2019 16:00	6	1	16
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-	23.75	06/01/2019 23:00	6	1	23
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26.56	-	06/04/2019 9:00	6	4	9

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25.75	-	06/05/2019 9:00	6	5	9
30.24	-	06/05/2019 10:00	6	5	10
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36.32	-	06/05/2019 12:00	6	5	12
38.66	-	06/05/2019 13:00	6	5	13
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38.86	-	06/06/2019 15:00	6	6	15
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-	42.93	06/06/2019 17:00	6	6	17
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-	21.68	06/06/2019 23:00	6	6	23
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-	29.86	06/21/2019 20:00	6	21	20
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-	23.29	06/21/2019 22:00	6	21	22
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-	25.21	06/22/2019 20:00	6	22	20
-	24.81	06/22/2019 21:00	6	22	21
-	21.84	06/22/2019 22:00	6	22	22
-	20.54	06/22/2019 23:00	6	22	23
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-	18.78	06/23/2019 3:00	6	23	3
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-	18.74	06/23/2019 5:00	6	23	5
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-	19.69	06/23/2019 7:00	6	23	7
-	20.68	06/23/2019 8:00	6	23	8
-	22.38	06/23/2019 9:00	6	23	9
-	24.58	06/23/2019 10:00	6	23	10
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-	33.34	06/23/2019 17:00	6	23	17
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29.24	-	06/26/2019 11:00	6	26	11
33.54	-	06/26/2019 12:00	6	26	12
37.01	-	06/26/2019 13:00	6	26	13
39.72	-	06/26/2019 14:00	6	26	14
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37.42	-	06/28/2019 10:00	6	28	10
39.75	-	06/28/2019 11:00	6	28	11
44.15	-	06/28/2019 12:00	6	28	12
46.11	-	06/28/2019 13:00	6	28	13
48.75	-	06/28/2019 14:00	6	28	14
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-	39.3	06/29/2019 21:00	6	29	21
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31.53	-	07/06/2019 9:00	7	6	9
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41.71	-	07/06/2019 12:00	7	6	12
43.26	-	07/06/2019 13:00	7	6	13
43.41	-	07/06/2019 14:00	7	6	14
42.39	-	07/06/2019 15:00	7	6	15
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-	18.02	07/07/2019 4:00	7	7	4
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-	17.98	07/07/2019 6:00	7	7	6
-	18.66	07/07/2019 7:00	7	7	7
-	20.08	07/07/2019 8:00	7	7	8
-	22.26	07/07/2019 9:00	7	7	9
-	23.4	07/07/2019 10:00	7	7	10
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-	25.51	07/07/2019 12:00	7	7	12
-	26.83	07/07/2019 13:00	7	7	13
-	28.59	07/07/2019 14:00	7	7	14
-	28.46	07/07/2019 15:00	7	7	15
-	29.32	07/07/2019 16:00	7	7	16

-	30.44	07/07/2019 17:00	7	7	17
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-	25.41	07/07/2019 20:00	7	7	20
-	24.87	07/07/2019 21:00	7	7	21
-	22.81	07/07/2019 22:00	7	7	22
-	20.3	07/07/2019 23:00	7	7	23
-	18.18	07/08/2019 0:00	7	8	0
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-	15.81	07/08/2019 2:00	7	8	2
-	15.27	07/08/2019 3:00	7	8	3
-	14.53	07/08/2019 4:00	7	8	4
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-	23.74	07/08/2019 11:00	7	8	11
-	26.48	07/08/2019 12:00	7	8	12
-	29.55	07/08/2019 13:00	7	8	13
-	34.87	07/08/2019 14:00	7	8	14
-	37.52	07/08/2019 15:00	7	8	15
-	44.04	07/08/2019 16:00	7	8	16
-	46.2	07/08/2019 17:00	7	8	17
-	39.42	07/08/2019 18:00	7	8	18
-	34.53	07/08/2019 19:00	7	8	19
-	31.5	07/08/2019 20:00	7	8	20
-	27.94	07/08/2019 21:00	7	8	21
-	23.76	07/08/2019 22:00	7	8	22
-	22.04	07/08/2019 23:00	7	8	23
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-	16.22	07/09/2019 3:00	7	9	3
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-	20.72	07/09/2019 7:00	7	9	7
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-	25.91	07/09/2019 23:00	7	9	23
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-	17.9	07/10/2019 3:00	7	10	3
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48.32	-	07/10/2019 13:00	7	10	13
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62.39	-	07/10/2019 15:00	7	10	15
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-	29.81	07/10/2019 22:00	7	10	22
-	26.34	07/10/2019 23:00	7	10	23
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44.63	-	07/11/2019 13:00	7	11	13
47.1	-	07/11/2019 14:00	7	11	14

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-	33.8	07/12/2019 21:00	7	12	21
-	27.37	07/12/2019 22:00	7	12	22
-	24.6	07/12/2019 23:00	7	12	23
-	22.94	07/13/2019 0:00	7	13	0
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-	19.28	07/13/2019 2:00	7	13	2
-	18.69	07/13/2019 3:00	7	13	3
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-	19.35	07/13/2019 5:00	7	13	5
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26.34	-	07/13/2019 8:00	7	13	8
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35.67	-	07/13/2019 10:00	7	13	10
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-	44.9	07/14/2019 12:00	7	14	12
-	48.23	07/14/2019 13:00	7	14	13
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-	60.29	07/14/2019 15:00	7	14	15
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-	30.8	07/14/2019 22:00	7	14	22
-	26.7	07/14/2019 23:00	7	14	23
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-	20.75	07/15/2019 2:00	7	15	2
-	19.94	07/15/2019 3:00	7	15	3
-	19.19	07/15/2019 4:00	7	15	4
-	18.92	07/15/2019 5:00	7	15	5
-	18.4	07/15/2019 6:00	7	15	6
-	19.5	07/15/2019 7:00	7	15	7
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45.75	-	07/19/2019 14:00	7	19	14
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37.29	-	07/20/2019 11:00	7	20	11
39.23	-	07/20/2019 12:00	7	20	12
41.12	-	07/20/2019 13:00	7	20	13
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46.49	-	07/20/2019 15:00	7	20	15
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-	33.43	07/22/2019 16:00	7	22	16
-	35.26	07/22/2019 17:00	7	22	17
-	32.67	07/22/2019 18:00	7	22	18
-	31.64	07/22/2019 19:00	7	22	19
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-	22.63	07/22/2019 23:00	7	22	23
-	21.45	07/23/2019 0:00	7	23	0
-	20.68	07/23/2019 1:00	7	23	1
-	20.06	07/23/2019 2:00	7	23	2
-	19.55	07/23/2019 3:00	7	23	3
-	19.69	07/23/2019 4:00	7	23	4
-	20.8	07/23/2019 5:00	7	23	5
-	23.15	07/23/2019 6:00	7	23	6
-	26.49	07/23/2019 7:00	7	23	7
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32.07	-	07/23/2019 9:00	7	23	9
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39.69	-	07/23/2019 12:00	7	23	12
42.7	-	07/23/2019 13:00	7	23	13
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42.76	-	07/23/2019 15:00	7	23	15
43.73	-	07/23/2019 16:00	7	23	16
-	44.13	07/23/2019 17:00	7	23	17
-	42.31	07/23/2019 18:00	7	23	18
-	40.78	07/23/2019 19:00	7	23	19
-	41.24	07/23/2019 20:00	7	23	20
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-	28.54	07/23/2019 22:00	7	23	22
-	26.27	07/23/2019 23:00	7	23	23
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-	20.34	07/24/2019 5:00	7	24	5
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34.42	-	07/24/2019 10:00	7	24	10
38.02	-	07/24/2019 11:00	7	24	11
40.63	-	07/24/2019 12:00	7	24	12
41.73	-	07/24/2019 13:00	7	24	13
41.66	-	07/24/2019 14:00	7	24	14
43.1	-	07/24/2019 15:00	7	24	15
46.48	-	07/24/2019 16:00	7	24	16
-	45.52	07/24/2019 17:00	7	24	17
-	40.14	07/24/2019 18:00	7	24	18
-	38.12	07/24/2019 19:00	7	24	19
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-	28.23	07/24/2019 22:00	7	24	22
-	25.57	07/24/2019 23:00	7	24	23
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-	19.45	07/25/2019 3:00	7	25	3
-	19.43	07/25/2019 4:00	7	25	4
-	20.77	07/25/2019 5:00	7	25	5
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-	25.24	07/25/2019 7:00	7	25	7

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33.65	-	07/25/2019 10:00	7	25	10
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38.75	-	07/25/2019 12:00	7	25	12
39.97	-	07/25/2019 13:00	7	25	13
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-	28.45	07/25/2019 22:00	7	25	22
-	24.65	07/25/2019 23:00	7	25	23
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-	20.38	07/26/2019 5:00	7	26	5
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-	24.18	07/26/2019 7:00	7	26	7
26.44	-	07/26/2019 8:00	7	26	8
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33.97	-	07/26/2019 10:00	7	26	10
36.65	-	07/26/2019 11:00	7	26	11
39.89	-	07/26/2019 12:00	7	26	12
40.21	-	07/26/2019 13:00	7	26	13
45.19	-	07/26/2019 14:00	7	26	14
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-	42.85	07/26/2019 18:00	7	26	18
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-	27.41	07/26/2019 22:00	7	26	22
-	25.33	07/26/2019 23:00	7	26	23
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-	19.42	07/27/2019 2:00	7	27	2
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-	19.63	07/27/2019 5:00	7	27	5
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-	22.97	07/27/2019 7:00	7	27	7
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37.13	-	07/27/2019 12:00	7	27	12
37.09	-	07/27/2019 13:00	7	27	13
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-	24.75	07/27/2019 22:00	7	27	22
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-	19.49	07/28/2019 7:00	7	28	7
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-	21.65	07/28/2019 23:00	7	28	23
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-	15.64	07/29/2019 5:00	7	29	5



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-	33.5	07/29/2019 17:00	7	29	17
-	29.39	07/29/2019 18:00	7	29	18
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-	22.98	07/29/2019 22:00	7	29	22
-	21.44	07/29/2019 23:00	7	29	23
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-	19.18	07/30/2019 2:00	7	30	2
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-	38.83	07/30/2019 18:00	7	30	18
-	36.96	07/30/2019 19:00	7	30	19
-	35.84	07/30/2019 20:00	7	30	20
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-	25.61	07/30/2019 22:00	7	30	22
-	23.43	07/30/2019 23:00	7	30	23
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-	19.42	07/31/2019 2:00	7	31	2
-	18.95	07/31/2019 3:00	7	31	3
-	19.06	07/31/2019 4:00	7	31	4

-	20.22	07/31/2019 5:00	7	31	5
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24.14	-	07/31/2019 8:00	7	31	8
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35.89	-	07/31/2019 12:00	7	31	12
37.36	-	07/31/2019 13:00	7	31	13
38.71	-	07/31/2019 14:00	7	31	14
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-	37.23	07/31/2019 18:00	7	31	18
-	35.62	07/31/2019 19:00	7	31	19
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33.26	-	08/02/2019 10:00	8	2	10
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-	19.02	08/05/2019 7:00	8	5	7
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-	28.51	08/05/2019 22:00	8	5	22
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59.95	-	08/06/2019 14:00	8	6	14
65.26	-	08/06/2019 15:00	8	6	15
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-	32.87	08/22/2019 20:00	8	22	20
-	28.62	08/22/2019 21:00	8	22	21
-	24.5	08/22/2019 22:00	8	22	22
-	22.76	08/22/2019 23:00	8	22	23
-	19.74	08/23/2019 0:00	8	23	0
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-	17.99	08/23/2019 3:00	8	23	3
-	18.12	08/23/2019 4:00	8	23	4
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27.76	-	08/23/2019 11:00	8	23	11
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-	21.11	08/23/2019 23:00	8	23	23
-	19.94	08/24/2019 0:00	8	24	0
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-	18.78	08/24/2019 2:00	8	24	2
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-	22.95	08/24/2019 22:00	8	24	22
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-	18.92	08/25/2019 2:00	8	25	2
-	18.47	08/25/2019 3:00	8	25	3
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-	18.01	08/25/2019 5:00	8	25	5
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-	19.22	08/25/2019 7:00	8	25	7
-	19.56	08/25/2019 8:00	8	25	8
-	21.39	08/25/2019 9:00	8	25	9
-	23.3	08/25/2019 10:00	8	25	10
-	25.44	08/25/2019 11:00	8	25	11
-	30.16	08/25/2019 12:00	8	25	12
-	33.03	08/25/2019 13:00	8	25	13
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-	19.35	08/26/2019 2:00	8	26	2
-	18.76	08/26/2019 3:00	8	26	3
-	18.42	08/26/2019 4:00	8	26	4
-	18.56	08/26/2019 5:00	8	26	5
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-	26.49	08/26/2019 10:00	8	26	10
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-	43.64	08/26/2019 13:00	8	26	13
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-	30.66	08/26/2019 22:00	8	26	22
-	26.65	08/26/2019 23:00	8	26	23
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-	19.7	08/27/2019 4:00	8	27	4
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35.19	-	08/27/2019 10:00	8	27	10
37.75	-	08/27/2019 11:00	8	27	11
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53.7	-	08/28/2019 12:00	8	28	12
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-	31.14	08/28/2019 23:00	8	28	23
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45.42	-	08/29/2019 11:00	8	29	11
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-	34.99	08/30/2019 20:00	8	30	20
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-	22.03	08/31/2019 23:00	8	31	23
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37.17	-	09/04/2019 10:00	9	4	10

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54.8	-	09/04/2019 13:00	9	4	13
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44.59	-	09/06/2019 14:00	9	6	14
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51.7	-	09/06/2019 16:00	9	6	16
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-	24.95	09/06/2019 23:00	9	6	23
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-	19.8	09/08/2019 3:00	9	8	3
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-	27.18	09/22/2019 8:00	9	22	8
-	30.76	09/22/2019 9:00	9	22	9
-	32.51	09/22/2019 10:00	9	22	10
-	33.88	09/22/2019 11:00	9	22	11
-	35.82	09/22/2019 12:00	9	22	12
-	36.67	09/22/2019 13:00	9	22	13
-	36.96	09/22/2019 14:00	9	22	14
-	38.32	09/22/2019 15:00	9	22	15
-	38.29	09/22/2019 16:00	9	22	16
-	37.21	09/22/2019 17:00	9	22	17
-	32.56	09/22/2019 18:00	9	22	18
-	36.04	09/22/2019 19:00	9	22	19
-	35.3	09/22/2019 20:00	9	22	20
-	28.38	09/22/2019 21:00	9	22	21
-	24.69	09/22/2019 22:00	9	22	22
-	23.18	09/22/2019 23:00	9	22	23
-	20.3	09/23/2019 0:00	9	23	0
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-	19.71	09/23/2019 2:00	9	23	2
-	19.7	09/23/2019 3:00	9	23	3
-	19.37	09/23/2019 4:00	9	23	4
-	19.51	09/23/2019 5:00	9	23	5
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-	20.65	09/23/2019 7:00	9	23	7
-	22.63	09/23/2019 8:00	9	23	8
-	24.45	09/23/2019 9:00	9	23	9
-	25.46	09/23/2019 10:00	9	23	10
-	25.57	09/23/2019 11:00	9	23	11
-	25.37	09/23/2019 12:00	9	23	12
-	25.83	09/23/2019 13:00	9	23	13
-	26.33	09/23/2019 14:00	9	23	14
-	27.02	09/23/2019 15:00	9	23	15
-	29.41	09/23/2019 16:00	9	23	16
-	30.24	09/23/2019 17:00	9	23	17
-	30.27	09/23/2019 18:00	9	23	18
-	33.95	09/23/2019 19:00	9	23	19
-	33.01	09/23/2019 20:00	9	23	20
-	27.51	09/23/2019 21:00	9	23	21
-	23.64	09/23/2019 22:00	9	23	22
-	22.4	09/23/2019 23:00	9	23	23
-	19.93	09/24/2019 0:00	9	24	0

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-	19.72	09/24/2019 3:00	9	24	3
-	20.03	09/24/2019 4:00	9	24	4
-	23	09/24/2019 5:00	9	24	5
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-	31.22	09/24/2019 7:00	9	24	7
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-	38.61	09/24/2019 18:00	9	24	18
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-	27.27	09/24/2019 22:00	9	24	22
-	24.79	09/24/2019 23:00	9	24	23
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-	30.8	09/25/2019 7:00	9	25	7
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-	45.04	09/25/2019 18:00	9	25	18
-	52.03	09/25/2019 19:00	9	25	19
-	44.29	09/25/2019 20:00	9	25	20
-	38.42	09/25/2019 21:00	9	25	21
-	31.07	09/25/2019 22:00	9	25	22
-	28.95	09/25/2019 23:00	9	25	23

-	23.45	09/26/2019 0:00	9	26	0
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-	20.51	09/26/2019 3:00	9	26	3
-	20.95	09/26/2019 4:00	9	26	4
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-	30.75	09/26/2019 7:00	9	26	7
31.17	-	09/26/2019 8:00	9	26	8
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-	41.09	09/26/2019 18:00	9	26	18
-	45.34	09/26/2019 19:00	9	26	19
-	40.1	09/26/2019 20:00	9	26	20
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-	28.18	09/26/2019 22:00	9	26	22
-	24.13	09/26/2019 23:00	9	26	23
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-	24.69	09/27/2019 5:00	9	27	5
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31.61	-	09/27/2019 8:00	9	27	8
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35.11	-	09/27/2019 13:00	9	27	13
35.11	-	09/27/2019 14:00	9	27	14
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37.31	-	09/27/2019 16:00	9	27	16
-	36.84	09/27/2019 17:00	9	27	17
-	35.95	09/27/2019 18:00	9	27	18
-	39.04	09/27/2019 19:00	9	27	19
-	36.6	09/27/2019 20:00	9	27	20
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-	25.42	09/27/2019 22:00	9	27	22

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-	20.28	09/28/2019 2:00	9	28	2
-	20.34	09/28/2019 3:00	9	28	3
-	20.57	09/28/2019 4:00	9	28	4
-	23.49	09/28/2019 5:00	9	28	5
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-	31.89	09/28/2019 7:00	9	28	7
29.63	-	09/28/2019 8:00	9	28	8
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33.68	-	09/28/2019 10:00	9	28	10
33.35	-	09/28/2019 11:00	9	28	11
33.58	-	09/28/2019 12:00	9	28	12
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-	32.65	09/28/2019 18:00	9	28	18
-	37.14	09/28/2019 19:00	9	28	19
-	33.26	09/28/2019 20:00	9	28	20
-	28.75	09/28/2019 21:00	9	28	21
-	24.93	09/28/2019 22:00	9	28	22
-	22.48	09/28/2019 23:00	9	28	23
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-	29.76	09/29/2019 11:00	9	29	11
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-	29.78	09/29/2019 13:00	9	29	13
-	29.79	09/29/2019 14:00	9	29	14
-	30.07	09/29/2019 15:00	9	29	15
-	31.65	09/29/2019 16:00	9	29	16
-	30.8	09/29/2019 17:00	9	29	17
-	32.78	09/29/2019 18:00	9	29	18
-	38.74	09/29/2019 19:00	9	29	19
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-	28.57	09/29/2019 21:00	9	29	21



-	24.03	09/29/2019 22:00	9	29	22
-	20.74	09/29/2019 23:00	9	29	23
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-	19.64	09/30/2019 2:00	9	30	2
-	19.14	09/30/2019 3:00	9	30	3
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-	19.3	09/30/2019 5:00	9	30	5
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-	20.7	09/30/2019 7:00	9	30	7
-	22.26	09/30/2019 8:00	9	30	8
-	24.22	09/30/2019 9:00	9	30	9
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-	28.07	09/30/2019 12:00	9	30	12
-	29.72	09/30/2019 13:00	9	30	13
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-	38.69	09/30/2019 17:00	9	30	17
-	37.21	09/30/2019 18:00	9	30	18
-	45.09	09/30/2019 19:00	9	30	19
-	38.65	09/30/2019 20:00	9	30	20
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-	26.69	09/30/2019 22:00	9	30	22
-	25.31	09/30/2019 23:00	9	30	23
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-	20.16	10/01/2019 3:00	10	1	3
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33.24	-	10/01/2019 8:00	10	1	8
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-	19.51	10/02/2019 3:00	10	2	3
-	20.17	10/02/2019 4:00	10	2	4
-	22.64	10/02/2019 5:00	10	2	5
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29.76	-	10/02/2019 8:00	10	2	8
33.99	-	10/02/2019 9:00	10	2	9
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38.68	-	10/02/2019 11:00	10	2	11
42.46	-	10/02/2019 12:00	10	2	12
46.44	-	10/02/2019 13:00	10	2	13
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-	49.73	10/02/2019 18:00	10	2	18
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-	45.74	10/02/2019 20:00	10	2	20
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-	29.31	10/02/2019 22:00	10	2	22
-	26.93	10/02/2019 23:00	10	2	23
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45.48	-	10/03/2019 10:00	10	3	10
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79.3	-	10/03/2019 14:00	10	3	14
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-	53.54	10/04/2019 19:00	10	4	19
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-	30.16	10/04/2019 22:00	10	4	22
-	27.63	10/04/2019 23:00	10	4	23
-	26.64	10/05/2019 0:00	10	5	0
-	24.8	10/05/2019 1:00	10	5	1
-	22.79	10/05/2019 2:00	10	5	2
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35.5	-	10/05/2019 9:00	10	5	9
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38.37	-	10/05/2019 11:00	10	5	11
41.52	-	10/05/2019 12:00	10	5	12
42.16	-	10/05/2019 13:00	10	5	13
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45.15	-	10/05/2019 15:00	10	5	15
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-	40.97	10/05/2019 18:00	10	5	18

-	42.51	10/05/2019 19:00	10	5	19
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-	59.93	10/06/2019 17:00	10	6	17
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-	50.37	10/06/2019 19:00	10	6	19
-	40.79	10/06/2019 20:00	10	6	20
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-	30.16	10/06/2019 22:00	10	6	22
-	27.33	10/06/2019 23:00	10	6	23
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-	22.02	10/07/2019 2:00	10	7	2
-	20.95	10/07/2019 3:00	10	7	3
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-	25.22	10/07/2019 7:00	10	7	7
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-	37.75	10/08/2019 22:00	10	8	22
-	33.8	10/08/2019 23:00	10	8	23
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-	22.84	10/09/2019 2:00	10	9	2
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37.01	-	10/11/2019 10:00	10	11	10
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-	22.39	10/13/2019 2:00	10	13	2
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-	21.17	10/14/2019 2:00	10	14	2
-	20.92	10/14/2019 3:00	10	14	3
-	20.78	10/14/2019 4:00	10	14	4
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33.08	-	10/16/2019 9:00	10	16	9
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29.83	-	10/16/2019 12:00	10	16	12
29.57	-	10/16/2019 13:00	10	16	13
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32.72	-	10/22/2019 15:00	10	22	15
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32.74	-	10/23/2019 16:00	10	23	16
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-	45.18	10/24/2019 18:00	10	24	18
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-	28.17	10/25/2019 3:00	10	25	3
-	29.21	10/25/2019 4:00	10	25	4
-	33.98	10/25/2019 5:00	10	25	5
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-	30.46	10/26/2019 5:00	10	26	5
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-	31.63	11/24/2019 3:00	11	24	3
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48.3	-	12/07/2019 8:00	12	7	8
44.32	-	12/07/2019 9:00	12	7	9

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-	35.76	12/23/2019 17:00	12	23	17
-	34.71	12/23/2019 18:00	12	23	18
-	33.96	12/23/2019 19:00	12	23	19
-	33.44	12/23/2019 20:00	12	23	20
-	28.94	12/23/2019 21:00	12	23	21
-	25.77	12/23/2019 22:00	12	23	22
-	24.52	12/23/2019 23:00	12	23	23
-	23.86	12/24/2019 0:00	12	24	0
-	23.66	12/24/2019 1:00	12	24	1
-	23.19	12/24/2019 2:00	12	24	2
-	23.14	12/24/2019 3:00	12	24	3
-	23.63	12/24/2019 4:00	12	24	4
-	23.96	12/24/2019 5:00	12	24	5
-	25.99	12/24/2019 6:00	12	24	6
-	29.53	12/24/2019 7:00	12	24	7
30.68	-	12/24/2019 8:00	12	24	8
30.98	-	12/24/2019 9:00	12	24	9
30.31	-	12/24/2019 10:00	12	24	10
28.13	-	12/24/2019 11:00	12	24	11
26.72	-	12/24/2019 12:00	12	24	12
26.06	-	12/24/2019 13:00	12	24	13
25.63	-	12/24/2019 14:00	12	24	14
25.5	-	12/24/2019 15:00	12	24	15
28.17	-	12/24/2019 16:00	12	24	16
-	32.96	12/24/2019 17:00	12	24	17
-	32.67	12/24/2019 18:00	12	24	18
-	32.57	12/24/2019 19:00	12	24	19
-	30.88	12/24/2019 20:00	12	24	20
-	29.25	12/24/2019 21:00	12	24	21
-	26.89	12/24/2019 22:00	12	24	22
-	26.04	12/24/2019 23:00	12	24	23
-	24	12/25/2019 0:00	12	25	0

-	23.56	12/25/2019 1:00	12	25	1
-	22.93	12/25/2019 2:00	12	25	2
-	22.77	12/25/2019 3:00	12	25	3
-	23.41	12/25/2019 4:00	12	25	4
-	23.87	12/25/2019 5:00	12	25	5
-	25.25	12/25/2019 6:00	12	25	6
-	27.05	12/25/2019 7:00	12	25	7
28.63	-	12/25/2019 8:00	12	25	8
28.11	-	12/25/2019 9:00	12	25	9
27.54	-	12/25/2019 10:00	12	25	10
26.25	-	12/25/2019 11:00	12	25	11
24.89	-	12/25/2019 12:00	12	25	12
24.33	-	12/25/2019 13:00	12	25	13
23.96	-	12/25/2019 14:00	12	25	14
23.99	-	12/25/2019 15:00	12	25	15
25.46	-	12/25/2019 16:00	12	25	16
-	32.59	12/25/2019 17:00	12	25	17
-	31.91	12/25/2019 18:00	12	25	18
-	31.22	12/25/2019 19:00	12	25	19
-	30.87	12/25/2019 20:00	12	25	20
-	28.56	12/25/2019 21:00	12	25	21
-	26.74	12/25/2019 22:00	12	25	22
-	25.01	12/25/2019 23:00	12	25	23
-	26.08	12/26/2019 0:00	12	26	0
-	25.08	12/26/2019 1:00	12	26	1
-	24.74	12/26/2019 2:00	12	26	2
-	25.03	12/26/2019 3:00	12	26	3
-	26.83	12/26/2019 4:00	12	26	4
-	28.08	12/26/2019 5:00	12	26	5
-	33.21	12/26/2019 6:00	12	26	6
-	32.99	12/26/2019 7:00	12	26	7
33.26	-	12/26/2019 8:00	12	26	8
32.41	-	12/26/2019 9:00	12	26	9
30.99	-	12/26/2019 10:00	12	26	10
29.86	-	12/26/2019 11:00	12	26	11
27.4	-	12/26/2019 12:00	12	26	12
27	-	12/26/2019 13:00	12	26	13
26.17	-	12/26/2019 14:00	12	26	14
26.08	-	12/26/2019 15:00	12	26	15
28.06	-	12/26/2019 16:00	12	26	16
-	34.46	12/26/2019 17:00	12	26	17
-	32.28	12/26/2019 18:00	12	26	18
-	32.23	12/26/2019 19:00	12	26	19
-	31.23	12/26/2019 20:00	12	26	20
-	29.04	12/26/2019 21:00	12	26	21
-	26.51	12/26/2019 22:00	12	26	22
-	24.3	12/26/2019 23:00	12	26	23

-	24.6	12/27/2019 0:00	12	27	0
-	23.75	12/27/2019 1:00	12	27	1
-	23.46	12/27/2019 2:00	12	27	2
-	23.47	12/27/2019 3:00	12	27	3
-	24.62	12/27/2019 4:00	12	27	4
-	25.59	12/27/2019 5:00	12	27	5
-	29.01	12/27/2019 6:00	12	27	6
-	32.66	12/27/2019 7:00	12	27	7
31.6	-	12/27/2019 8:00	12	27	8
29.2	-	12/27/2019 9:00	12	27	9
27.68	-	12/27/2019 10:00	12	27	10
26.24	-	12/27/2019 11:00	12	27	11
25.78	-	12/27/2019 12:00	12	27	12
25.4	-	12/27/2019 13:00	12	27	13
24.67	-	12/27/2019 14:00	12	27	14
24.46	-	12/27/2019 15:00	12	27	15
26.2	-	12/27/2019 16:00	12	27	16
-	31.2	12/27/2019 17:00	12	27	17
-	29.36	12/27/2019 18:00	12	27	18
-	28.69	12/27/2019 19:00	12	27	19
-	26.62	12/27/2019 20:00	12	27	20
-	25.04	12/27/2019 21:00	12	27	21
-	23.32	12/27/2019 22:00	12	27	22
-	22.4	12/27/2019 23:00	12	27	23
-	20.26	12/28/2019 0:00	12	28	0
-	20.06	12/28/2019 1:00	12	28	1
-	19.49	12/28/2019 2:00	12	28	2
-	19.51	12/28/2019 3:00	12	28	3
-	19.68	12/28/2019 4:00	12	28	4
-	19.94	12/28/2019 5:00	12	28	5
-	21.96	12/28/2019 6:00	12	28	6
-	23.03	12/28/2019 7:00	12	28	7
24.37	-	12/28/2019 8:00	12	28	8
25.07	-	12/28/2019 9:00	12	28	9
25.14	-	12/28/2019 10:00	12	28	10
24.48	-	12/28/2019 11:00	12	28	11
23.54	-	12/28/2019 12:00	12	28	12
22.7	-	12/28/2019 13:00	12	28	13
22.25	-	12/28/2019 14:00	12	28	14
22.09	-	12/28/2019 15:00	12	28	15
23.35	-	12/28/2019 16:00	12	28	16
-	25.17	12/28/2019 17:00	12	28	17
-	25.06	12/28/2019 18:00	12	28	18
-	24.25	12/28/2019 19:00	12	28	19
-	23.33	12/28/2019 20:00	12	28	20
-	22.32	12/28/2019 21:00	12	28	21
-	21.54	12/28/2019 22:00	12	28	22

-	20.02	12/28/2019 23:00	12	28	23
-	19.81	12/29/2019 0:00	12	29	0
-	19.73	12/29/2019 1:00	12	29	1
-	19.64	12/29/2019 2:00	12	29	2
-	19.63	12/29/2019 3:00	12	29	3
-	19.62	12/29/2019 4:00	12	29	4
-	20.04	12/29/2019 5:00	12	29	5
-	21.33	12/29/2019 6:00	12	29	6
-	22.42	12/29/2019 7:00	12	29	7
-	23.39	12/29/2019 8:00	12	29	8
-	24.42	12/29/2019 9:00	12	29	9
-	24.59	12/29/2019 10:00	12	29	10
-	24.11	12/29/2019 11:00	12	29	11
-	23.32	12/29/2019 12:00	12	29	12
-	22.21	12/29/2019 13:00	12	29	13
-	21.85	12/29/2019 14:00	12	29	14
-	22.03	12/29/2019 15:00	12	29	15
-	24.22	12/29/2019 16:00	12	29	16
-	30.16	12/29/2019 17:00	12	29	17
-	28.84	12/29/2019 18:00	12	29	18
-	28.9	12/29/2019 19:00	12	29	19
-	27.75	12/29/2019 20:00	12	29	20
-	25.84	12/29/2019 21:00	12	29	21
-	24.31	12/29/2019 22:00	12	29	22
-	23.69	12/29/2019 23:00	12	29	23
-	23.08	12/30/2019 0:00	12	30	0
-	22.15	12/30/2019 1:00	12	30	1
-	21.8	12/30/2019 2:00	12	30	2
-	21.7	12/30/2019 3:00	12	30	3
-	21.85	12/30/2019 4:00	12	30	4
-	22.33	12/30/2019 5:00	12	30	5
-	22.75	12/30/2019 6:00	12	30	6
-	23.91	12/30/2019 7:00	12	30	7
-	24.89	12/30/2019 8:00	12	30	8
-	25.51	12/30/2019 9:00	12	30	9
-	24.49	12/30/2019 10:00	12	30	10
-	23.87	12/30/2019 11:00	12	30	11
-	23.01	12/30/2019 12:00	12	30	12
-	22.53	12/30/2019 13:00	12	30	13
-	21.94	12/30/2019 14:00	12	30	14
-	22.06	12/30/2019 15:00	12	30	15
-	23.68	12/30/2019 16:00	12	30	16
-	28.58	12/30/2019 17:00	12	30	17
-	27.56	12/30/2019 18:00	12	30	18
-	27.53	12/30/2019 19:00	12	30	19
-	27.28	12/30/2019 20:00	12	30	20
-	26.04	12/30/2019 21:00	12	30	21

-	24.06	12/30/2019 22:00	12	30	22
-	22.37	12/30/2019 23:00	12	30	23
-	20.7	12/31/2019 0:00	12	31	0
-	20.5	12/31/2019 1:00	12	31	1
-	20.45	12/31/2019 2:00	12	31	2
-	20.51	12/31/2019 3:00	12	31	3
-	20.8	12/31/2019 4:00	12	31	4
-	21.99	12/31/2019 5:00	12	31	5
-	24.17	12/31/2019 6:00	12	31	6
-	27.48	12/31/2019 7:00	12	31	7
27.64	-	12/31/2019 8:00	12	31	8
27.73	-	12/31/2019 9:00	12	31	9
27.46	-	12/31/2019 10:00	12	31	10
26.3	-	12/31/2019 11:00	12	31	11
25.72	-	12/31/2019 12:00	12	31	12
24.86	-	12/31/2019 13:00	12	31	13
24.52	-	12/31/2019 14:00	12	31	14
24.14	-	12/31/2019 15:00	12	31	15
25.86	-	12/31/2019 16:00	12	31	16
-	27.95	12/31/2019 17:00	12	31	17
-	26.08	12/31/2019 18:00	12	31	18
-	24.98	12/31/2019 19:00	12	31	19
-	23.91	12/31/2019 20:00	12	31	20
-	22.99	12/31/2019 21:00	12	31	21
-	21.27	12/31/2019 22:00	12	31	22
-	20.31	12/31/2019 23:00	12	31	23



C

time	End Time	
9:00 AM	17	6:00 PM

Weekends off-Peak

Average LMP Price: 31.95 26.36

Weekend (W)	MP (\$/MWh)	On-Peak	Off-Peak
	19.44	-	19.44
	19.37	-	19.37
	19.11	-	19.11
	18.94	-	18.94
	19.14	-	19.14
	19.30	-	19.3
	19.96	-	19.96
	21.10	-	21.1
	21.83	21.83	-
	22.08	22.08	-
	23.13	23.13	-
	22.69	22.69	-
	22.67	22.67	-
	22.34	22.34	-
	22.09	22.09	-
	22.56	22.56	-
	24.20	24.2	-
	28.23	-	28.23
	28.27	-	28.27
	28.19	-	28.19
	27.69	-	27.69
	26.25	-	26.25
	24.31	-	24.31
	22.97	-	22.97
	23.25	-	23.25
	23.17	-	23.17
	23.28	-	23.28
	23.11	-	23.11
	23.52	-	23.52
	25.08	-	25.08
	30.97	-	30.97
	32.92	-	32.92
	32.48	32.48	-
	34.03	34.03	-
	32.80	32.8	-
	31.58	31.58	-
	30.35	30.35	-
	29.33	29.33	-
	28.39	28.39	-

27.99	27.99	-
30.97	30.97	-
40.18	-	40.18
34.13	-	34.13
34.19	-	34.19
31.55	-	31.55
30.07	-	30.07
27.07	-	27.07
24.84	-	24.84
22.58	-	22.58
21.59	-	21.59
21.79	-	21.79
21.54	-	21.54
21.93	-	21.93
23.63	-	23.63
28.24	-	28.24
29.63	-	29.63
29.23	29.23	-
29.29	29.29	-
28.80	28.8	-
27.72	27.72	-
27.02	27.02	-
26.96	26.96	-
26.26	26.26	-
25.83	25.83	-
27.25	27.25	-
30.97	-	30.97
29.14	-	29.14
29.42	-	29.42
28.75	-	28.75
26.69	-	26.69
25.22	-	25.22
22.98	-	22.98
20.86	-	20.86
20.30	-	20.3
20.28	-	20.28
20.33	-	20.33
21.52	-	21.52
23.71	-	23.71
28.36	-	28.36
29.19	-	29.19
28.11	28.11	-
28.96	28.96	-
27.24	27.24	-
26.64	26.64	-
26.24	26.24	-
26.13	26.13	-

	24.86	24.86	-
	24.25	24.25	-
	25.85	25.85	-
	27.69	-	27.69
	27.38	-	27.38
	26.23	-	26.23
	25.04	-	25.04
	23.83	-	23.83
	22.38	-	22.38
	20.28	-	20.28
W	21.04	-	21.04
W	20.12	-	20.12
W	19.76	-	19.76
W	19.79	-	19.79
W	19.89	-	19.89
W	20.09	-	20.09
W	21.45	-	21.45
W	23.34	-	23.34
W	25.16	-	25.16
W	26.01	-	26.01
W	25.80	-	25.8
W	24.64	-	24.64
W	23.34	-	23.34
W	22.46	-	22.46
W	21.68	-	21.68
W	21.38	-	21.38
W	22.72	-	22.72
W	26.88	-	26.88
W	26.06	-	26.06
W	25.01	-	25.01
W	24.34	-	24.34
W	23.57	-	23.57
W	22.46	-	22.46
W	20.32	-	20.32
W	20.34	-	20.34
W	20.34	-	20.34
W	20.02	-	20.02
W	19.97	-	19.97
W	20.01	-	20.01
W	20.22	-	20.22
W	20.54	-	20.54
W	22.01	-	22.01
W	22.88	-	22.88
W	23.16	-	23.16
W	22.84	-	22.84
W	21.90	-	21.9
W	21.61	-	21.61

W	21.03	-	21.03
W	20.56	-	20.56
W	20.69	-	20.69
W	23.45	-	23.45
W	28.85	-	28.85
W	29.66	-	29.66
W	28.49	-	28.49
W	27.96	-	27.96
W	25.41	-	25.41
W	23.79	-	23.79
W	22.24	-	22.24
	19.93	-	19.93
	19.63	-	19.63
	19.90	-	19.9
	20.06	-	20.06
	21.12	-	21.12
	22.99	-	22.99
	27.69	-	27.69
	30.53	-	30.53
	29.16	29.16	-
	29.29	29.29	-
	26.77	26.77	-
	25.78	25.78	-
	24.46	24.46	-
	23.66	23.66	-
	23.24	23.24	-
	22.81	22.81	-
	24.21	24.21	-
	27.10	-	27.1
	26.45	-	26.45
	25.98	-	25.98
	25.37	-	25.37
	24.32	-	24.32
	22.20	-	22.2
	20.52	-	20.52
	19.49	-	19.49
	19.36	-	19.36
	19.15	-	19.15
	19.18	-	19.18
	19.40	-	19.4
	21.03	-	21.03
	25.06	-	25.06
	27.01	-	27.01
	24.96	24.96	-
	24.52	24.52	-
	24.20	24.2	-
	23.46	23.46	-

22.68	22.68	-
22.39	22.39	-
22.13	22.13	-
21.85	21.85	-
23.35	23.35	-
28.10	-	28.1
26.95	-	26.95
25.49	-	25.49
24.26	-	24.26
22.96	-	22.96
21.27	-	21.27
19.51	-	19.51
19.09	-	19.09
19.21	-	19.21
19.04	-	19.04
19.21	-	19.21
19.55	-	19.55
20.96	-	20.96
26.31	-	26.31
27.86	-	27.86
26.08	26.08	-
25.36	25.36	-
26.56	26.56	-
26.20	26.2	-
25.39	25.39	-
24.77	24.77	-
24.35	24.35	-
24.42	24.42	-
26.92	26.92	-
38.46	-	38.46
35.87	-	35.87
33.79	-	33.79
33.18	-	33.18
31.30	-	31.3
27.58	-	27.58
25.34	-	25.34
24.69	-	24.69
24.37	-	24.37
24.39	-	24.39
24.50	-	24.5
25.04	-	25.04
28.85	-	28.85
40.55	-	40.55
44.46	-	44.46
38.55	38.55	-
33.03	33.03	-
36.34	36.34	-

	32.43	32.43	-
	30.83	30.83	-
	30.34	30.34	-
	28.66	28.66	-
	28.16	28.16	-
	32.36	32.36	-
	45.90	-	45.9
	46.86	-	46.86
	42.38	-	42.38
	41.80	-	41.8
	39.31	-	39.31
	36.15	-	36.15
	30.36	-	30.36
	30.25	-	30.25
	30.38	-	30.38
	30.21	-	30.21
	30.92	-	30.92
	31.26	-	31.26
	33.22	-	33.22
	42.62	-	42.62
	50.96	-	50.96
	45.11	45.11	-
	38.26	38.26	-
	37.27	37.27	-
	32.88	32.88	-
	30.28	30.28	-
	29.56	29.56	-
	29.02	29.02	-
	28.67	28.67	-
	30.86	30.86	-
	38.52	-	38.52
	37.06	-	37.06
	35.37	-	35.37
	34.01	-	34.01
	32.08	-	32.08
	31.56	-	31.56
	27.84	-	27.84
W	29.34	-	29.34
W	28.74	-	28.74
W	27.61	-	27.61
W	27.46	-	27.46
W	27.06	-	27.06
W	27.90	-	27.9
W	30.16	-	30.16
W	35.84	-	35.84
W	37.25	-	37.25
W	37.50	-	37.5

W	36.04	-	36.04
W	33.11	-	33.11
W	32.98	-	32.98
W	29.06	-	29.06
W	28.77	-	28.77
W	28.25	-	28.25
W	29.59	-	29.59
W	32.90	-	32.9
W	31.65	-	31.65
W	29.68	-	29.68
W	28.50	-	28.5
W	26.67	-	26.67
W	26.05	-	26.05
W	25.32	-	25.32
W	24.80	-	24.8
W	24.17	-	24.17
W	23.78	-	23.78
W	23.45	-	23.45
W	23.25	-	23.25
W	23.43	-	23.43
W	25.42	-	25.42
W	28.04	-	28.04
W	29.52	-	29.52
W	30.04	-	30.04
W	30.39	-	30.39
W	29.53	-	29.53
W	29.08	-	29.08
W	28.17	-	28.17
W	27.75	-	27.75
W	27.17	-	27.17
W	29.45	-	29.45
W	36.55	-	36.55
W	35.16	-	35.16
W	33.47	-	33.47
W	31.23	-	31.23
W	28.90	-	28.9
W	26.51	-	26.51
W	25.87	-	25.87
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	41.58	41.58	-

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50.75	-	50.75



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31.70	31.7	-
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	99.95	-	99.95
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	50.15	-	50.15

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32.94	32.94	-
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123.01	-	123.01
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69.80	69.8	-
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85.04	-	85.04
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	21.98	-	21.98
	21.86	-	21.86
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	21.30	-	21.3
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	28.02	28.02	-
	26.32	26.32	-
	26.06	26.06	-
	25.71	25.71	-
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	24.72	24.72	-
	26.43	-	26.43

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28.00	28	-
27.08	27.08	-
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23.75	23.75	-

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	25.46	25.46	-
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	29.09	-	29.09
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	28.75	28.75	-
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	26.11	26.11	-

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26.28	26.28	-
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26.73	-	26.73
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42.76	42.76	-
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33.02	33.02	-
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31.82	31.82	-
31.90	31.9	-

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27.96	27.96	-

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	26.06	26.06	-
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	28.73	-	28.73
	37.34	-	37.34
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29.82	29.82	-
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27.80	27.8	-
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25.50	-	25.5
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46.63	46.63	-
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37.80	-	37.8
32.78	-	32.78
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31.96	31.96	-
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27.03	27.03	-
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	29.87	29.87	-
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	27.03	-	27.03

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33.78	33.78	-
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47.88	-	47.88
41.57	-	41.57
33.94	-	33.94
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27.01	-	27.01
26.47	-	26.47
26.11	-	26.11
26.82	-	26.82
28.59	-	28.59
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61.78	-	61.78
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29.35	29.35	-
28.47	28.47	-
27.55	27.55	-
27.27	27.27	-
27.40	27.4	-
28.08	-	28.08
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41.21	-	41.21
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34.34	-	34.34
29.07	-	29.07
26.80	-	26.8
26.98	-	26.98



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26.81	-	26.81
28.82	-	28.82
33.22	-	33.22
48.80	-	48.8
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37.34	37.34	-
34.75	34.75	-
30.26	30.26	-
28.56	28.56	-
28.06	28.06	-
27.67	27.67	-
26.81	26.81	-
27.33	27.33	-
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29.24	-	29.24
26.16	-	26.16
23.77	-	23.77

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	19.43	-	19.43
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	31.81	31.81	-
	28.96	28.96	-
	27.51	27.51	-
	27.81	27.81	-
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	40.59	-	40.59
	31.99	-	31.99

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33.92	33.92	-
30.61	30.61	-
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26.80	26.8	-
25.98	25.98	-
25.29	25.29	-
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27.01	27.01	-
25.39	25.39	-
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23.90	-	23.9
27.92	-	27.92
29.85	-	29.85

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37.99	-	37.99
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26.67	26.67	-
25.88	25.88	-
25.40	25.4	-
24.41	24.41	-
23.99	23.99	-
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25.38	-	25.38
27.92	-	27.92
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23.96	-	23.96
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31.42	31.42	-
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26.54	26.54	-
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25.54	25.54	-
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25.68	25.68	-
24.93	24.93	-
24.17	24.17	-
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32.96	32.96	-
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29.26	29.26	-

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27.63	27.63	-
27.11	27.11	-
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35.72	-	35.72
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20.37	-	20.37
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20.23	-	20.23
21.01	-	21.01
23.38	-	23.38
33.74	-	33.74
32.54	-	32.54
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28.39	28.39	-
27.70	27.7	-
28.46	28.46	-
28.67	28.67	-
29.67	29.67	-
29.05	29.05	-
27.94	27.94	-
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20.44	-	20.44
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20.25	-	20.25
21.77	-	21.77
26.13	-	26.13
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32.12	32.12	-
31.43	31.43	-

	32.94	32.94	-
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	28.59	-	28.59
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	43.42	43.42	-
	42.75	42.75	-
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	34.44	34.44	-
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	38.33	-	38.33
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	22.53	-	22.53
	22.33	-	22.33
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	50.94	-	50.94
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	37.65	37.65	-
	35.16	35.16	-

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31.89	31.89	-
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32.87	-	32.87
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21.90	-	21.9
22.08	-	22.08
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22.27	-	22.27
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37.76	37.76	-
37.84	37.84	-
36.96	36.96	-
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	16.96	-	16.96
	16.81	-	16.81
	17.25	-	17.25
	17.99	-	17.99
	20.40	-	20.4
	33.03	-	33.03
	32.41	-	32.41

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30.27	30.27	-
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22.32	-	22.32
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19.04	-	19.04
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19.07	-	19.07
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32.08	-	32.08
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35.59	35.59	-
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35.06	35.06	-
34.81	34.81	-
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33.87	33.87	-
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32.52	-	32.52
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35.06	35.06	-
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38.81	38.81	-
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	24.42	24.42	-
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27.42	27.42	-
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20.38	-	20.38

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25.72	25.72	-
28.88	28.88	-
29.18	29.18	-
30.04	30.04	-
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21.99	-	21.99
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17.29	-	17.29
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16.84	-	16.84
18.94	-	18.94
21.95	-	21.95
22.29	-	22.29
22.36	22.36	-
23.08	23.08	-
24.38	24.38	-
24.70	24.7	-
25.80	25.8	-
26.27	26.27	-
26.20	26.2	-
27.10	27.1	-
27.27	27.27	-
27.39	-	27.39
26.14	-	26.14
25.28	-	25.28
26.84	-	26.84
25.22	-	25.22
22.60	-	22.6

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	20.73	-	20.73
	20.47	-	20.47
	20.13	-	20.13
	19.97	-	19.97
	20.26	-	20.26
	21.73	-	21.73
	25.60	-	25.6
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	27.66	27.66	-
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	30.26	30.26	-
	30.19	30.19	-
	30.24	30.24	-
	30.48	30.48	-
	30.66	30.66	-
	30.77	30.77	-
	30.06	30.06	-
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	27.83	-	27.83
	29.46	-	29.46
	27.65	-	27.65
	24.32	-	24.32
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W	23.39	-	23.39
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W	25.22	-	25.22
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W	24.46	-	24.46
W	23.89	-	23.89

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	18.42	-	18.42
	18.42	-	18.42
	18.72	-	18.72
	20.05	-	20.05
	24.68	-	24.68
	26.61	-	26.61
	27.64	27.64	-
	27.93	27.93	-
	28.15	28.15	-
	28.02	28.02	-
	26.53	26.53	-
	27.09	27.09	-
	26.36	26.36	-
	26.30	26.3	-
	25.66	25.66	-
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	25.93	-	25.93
	26.10	-	26.1
	27.77	-	27.77

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19.26	-	19.26
19.23	-	19.23
19.51	-	19.51
19.75	-	19.75
22.07	-	22.07
26.78	-	26.78
28.57	-	28.57
29.14	29.14	-
28.77	28.77	-
29.44	29.44	-
29.37	29.37	-
28.52	28.52	-
28.46	28.46	-
27.14	27.14	-
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27.21	27.21	-
27.48	-	27.48
26.76	-	26.76
27.44	-	27.44
29.93	-	29.93
29.26	-	29.26
23.01	-	23.01
20.73	-	20.73
19.12	-	19.12
19.27	-	19.27
19.00	-	19
18.77	-	18.77
19.20	-	19.2
21.02	-	21.02
24.36	-	24.36
26.00	-	26
24.51	24.51	-
25.95	25.95	-
26.29	26.29	-
26.57	26.57	-
27.70	27.7	-
29.40	29.4	-
29.42	29.42	-
28.40	28.4	-
28.72	28.72	-
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27.37	-	27.37

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19.89	-	19.89
19.28	-	19.28
19.32	-	19.32
19.01	-	19.01
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19.27	-	19.27
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23.08	-	23.08
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24.18	24.18	-
25.80	25.8	-
25.79	25.79	-
27.26	27.26	-
28.69	28.69	-
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32.68	-	32.68
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29.94	-	29.94
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20.73	-	20.73
18.78	-	18.78
17.87	-	17.87
17.03	-	17.03
16.91	-	16.91
17.90	-	17.9
20.09	-	20.09
21.91	-	21.91
23.22	-	23.22
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24.74	24.74	-
26.92	26.92	-
29.27	29.27	-
33.21	33.21	-
34.65	34.65	-
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37.46	37.46	-
38.98	38.98	-
37.48	-	37.48
34.01	-	34.01

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	18.74	-	18.74
	17.87	-	17.87
	17.56	-	17.56
	17.96	-	17.96
	19.78	-	19.78
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	27.74	27.74	-
	29.97	29.97	-
	31.89	31.89	-
	34.02	34.02	-
	36.23	36.23	-
	36.08	36.08	-
	36.62	36.62	-
	36.47	-	36.47
	31.47	-	31.47
	29.23	-	29.23
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	27.76	-	27.76
	23.75	-	23.75
	22.21	-	22.21
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	18.83	-	18.83
	18.74	-	18.74
	18.46	-	18.46
	18.80	-	18.8
	19.01	-	19.01
	22.77	-	22.77
	23.09	-	23.09
	22.69	22.69	-
	23.10	23.1	-
	24.02	24.02	-
	24.18	24.18	-
	25.08	25.08	-
	26.52	26.52	-
	25.96	25.96	-
	25.78	25.78	-
	27.10	27.1	-



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25.21	-	25.21
23.83	-	23.83
21.09	-	21.09
18.60	-	18.6
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17.09	-	17.09
16.12	-	16.12
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21.38	-	21.38
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21.55	21.55	-
22.78	22.78	-
23.46	23.46	-
24.60	24.6	-
26.89	26.89	-
31.18	31.18	-
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39.06	39.06	-
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31.54	-	31.54
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28.18	-	28.18
23.36	-	23.36
21.57	-	21.57
18.53	-	18.53
17.43	-	17.43
16.85	-	16.85
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16.82	-	16.82
18.61	-	18.61
20.22	-	20.22
21.72	-	21.72
22.06	22.06	-
23.67	23.67	-
25.70	25.7	-
28.92	28.92	-
33.80	33.8	-
38.26	38.26	-
42.42	42.42	-
46.30	46.3	-

	48.67	48.67	-
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	41.82	-	41.82
	37.50	-	37.5
	37.35	-	37.35
	35.49	-	35.49
	26.14	-	26.14
	23.19	-	23.19
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	18.74	-	18.74
	17.51	-	17.51
	16.31	-	16.31
	16.84	-	16.84
	19.28	-	19.28
	20.48	-	20.48
	21.31	-	21.31
	22.85	22.85	-
	23.62	23.62	-
	24.83	24.83	-
	26.37	26.37	-
	29.37	29.37	-
	31.30	31.3	-
	33.34	33.34	-
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	39.99	39.99	-
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	32.10	-	32.1
	28.23	-	28.23
	26.82	-	26.82
	25.00	-	25
	21.34	-	21.34
	20.19	-	20.19
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	16.05	-	16.05
	14.83	-	14.83
	14.75	-	14.75
	14.58	-	14.58
	12.84	-	12.84
	16.55	-	16.55
	18.61	18.61	-
	20.76	20.76	-
	21.45	21.45	-
	23.18	23.18	-
	24.47	24.47	-
	26.72	26.72	-

28.86	28.86	-
29.22	29.22	-
31.49	31.49	-
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26.14	-	26.14
26.91	-	26.91
26.36	-	26.36
21.07	-	21.07
19.74	-	19.74
16.82	-	16.82
15.78	-	15.78
15.12	-	15.12
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15.35	-	15.35
16.96	-	16.96
19.20	-	19.2
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21.05	21.05	-
23.45	23.45	-
25.97	25.97	-
31.09	31.09	-
38.35	38.35	-
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66.31	66.31	-
59.61	-	59.61
47.32	-	47.32
39.77	-	39.77
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31.75	-	31.75
24.93	-	24.93
21.33	-	21.33
19.78	-	19.78
19.52	-	19.52
19.32	-	19.32
18.82	-	18.82
19.14	-	19.14
19.80	-	19.8
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23.96	23.96	-
27.22	27.22	-
29.92	29.92	-
36.26	36.26	-
36.03	36.03	-

41.85	41.85	-
46.43	46.43	-
47.25	47.25	-
54.32	54.32	-
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31.10	-	31.1
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31.47	31.47	-
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37.35	37.35	-
41.11	41.11	-
41.33	41.33	-
43.80	43.8	-
39.91	-	39.91
32.37	-	32.37
29.16	-	29.16
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23.71	-	23.71
21.12	-	21.12
20.36	-	20.36
19.98	-	19.98
19.30	-	19.3
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22.79	-	22.79
23.15	23.15	-
25.03	25.03	-
30.48	30.48	-
32.56	32.56	-

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	34.48	34.48	-
	36.90	36.9	-
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	15.48	-	15.48
	15.44	-	15.44
	17.22	-	17.22
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21.28	21.28	-
22.76	22.76	-
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26.13	26.13	-
27.50	27.5	-
28.40	28.4	-
29.48	29.48	-
31.02	-	31.02
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26.03	-	26.03
27.01	-	27.01
27.05	-	27.05
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17.02	-	17.02
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28.80	28.8	-
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27.40	27.4	-
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26.50	26.5	-
27.14	27.14	-
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37.44	37.44	-
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	22.09	-	22.09
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W	19.25	-	19.25
W	18.23	-	18.23
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W	17.77	-	17.77
W	18.01	-	18.01
W	19.33	-	19.33
W	21.07	-	21.07
W	23.04	-	23.04
W	26.03	-	26.03
W	33.16	-	33.16
W	36.16	-	36.16
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W	37.97	-	37.97
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W	31.04	-	31.04
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W	31.77	-	31.77



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W	19.62	-	19.62
	17.74	-	17.74
	17.26	-	17.26
	15.85	-	15.85
	15.15	-	15.15
	15.25	-	15.25
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	17.95	-	17.95
	19.63	-	19.63
	20.67	20.67	-
	22.77	22.77	-
	24.66	24.66	-
	27.03	27.03	-
	33.29	33.29	-
	36.12	36.12	-
	35.69	35.69	-
	36.41	36.41	-
	38.46	38.46	-
	37.94	-	37.94
	33.79	-	33.79
	30.23	-	30.23
	27.07	-	27.07
	24.75	-	24.75
	22.39	-	22.39
	19.90	-	19.9
	17.39	-	17.39
	16.82	-	16.82
	14.99	-	14.99
	14.21	-	14.21
	14.52	-	14.52
	15.70	-	15.7
	17.51	-	17.51
	19.01	-	19.01
	20.59	20.59	-
	22.57	22.57	-
	25.71	25.71	-
	28.39	28.39	-
	34.29	34.29	-
	38.33	38.33	-
	41.19	41.19	-
	48.82	48.82	-

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44.04	-	44.04
36.67	-	36.67
35.46	-	35.46
30.39	-	30.39
24.99	-	24.99
22.20	-	22.2
20.09	-	20.09
19.17	-	19.17
18.14	-	18.14
16.40	-	16.4
16.58	-	16.58
18.65	-	18.65
19.56	-	19.56
21.21	-	21.21
22.54	22.54	-
25.70	25.7	-
29.32	29.32	-
33.93	33.93	-
36.24	36.24	-
44.37	44.37	-
53.73	53.73	-
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40.98	-	40.98
36.93	-	36.93
32.61	-	32.61
25.90	-	25.9
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19.90	-	19.9
19.32	-	19.32
19.25	-	19.25
19.94	-	19.94
21.63	-	21.63
22.81	-	22.81
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29.91	29.91	-
35.10	35.1	-
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43.14	43.14	-
47.31	47.31	-
55.31	55.31	-

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	55.75	-	55.75
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	35.30	-	35.3
	31.76	-	31.76
	28.73	-	28.73
	25.38	-	25.38
	23.27	-	23.27
	21.48	-	21.48
	20.12	-	20.12
	19.41	-	19.41
	18.58	-	18.58
	18.81	-	18.81
	19.50	-	19.5
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	21.57	-	21.57
	22.76	22.76	-
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	28.10	28.1	-
	30.70	30.7	-
	34.03	34.03	-
	36.87	36.87	-
	40.08	40.08	-
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W	23.51	-	23.51
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	18.19	-	18.19
	16.59	-	16.59
	16.39	-	16.39
	17.91	-	17.91
	19.24	-	19.24
	20.26	-	20.26
	22.93	22.93	-
	24.97	24.97	-
	28.77	28.77	-
	31.27	31.27	-
	36.95	36.95	-

42.55	42.55	-
50.51	50.51	-
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35.28	-	35.28
30.07	-	30.07
26.69	-	26.69
23.61	-	23.61
22.24	-	22.24
20.92	-	20.92
19.88	-	19.88
19.39	-	19.39
19.23	-	19.23
19.81	-	19.81
20.85	-	20.85
22.63	-	22.63
24.63	24.63	-
27.40	27.4	-
30.44	30.44	-
33.42	33.42	-
38.10	38.1	-
41.36	41.36	-
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35.25	-	35.25
32.51	-	32.51
28.49	-	28.49
25.69	-	25.69
23.05	-	23.05
22.20	-	22.2
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20.87	-	20.87
22.68	-	22.68
23.18	-	23.18
25.46	25.46	-
29.06	29.06	-
32.04	32.04	-
35.04	35.04	-

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43.44	43.44	-
47.21	47.21	-
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57.36	-	57.36
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36.72	-	36.72
32.74	-	32.74
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25.42	-	25.42
22.84	-	22.84
22.07	-	22.07
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20.21	-	20.21
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20.51	-	20.51
21.56	-	21.56
23.17	-	23.17
24.72	24.72	-
29.42	29.42	-
33.32	33.32	-
37.84	37.84	-
42.08	42.08	-
47.90	47.9	-
52.48	52.48	-
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69.03	69.03	-
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41.49	-	41.49
37.16	-	37.16
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25.68	-	25.68
23.09	-	23.09
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20.68	-	20.68
19.94	-	19.94
19.83	-	19.83
20.39	-	20.39
22.38	-	22.38
23.83	-	23.83
27.25	27.25	-
31.96	31.96	-
35.00	35	-

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	50.09	50.09	-
	59.05	59.05	-
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	84.79	84.79	-
	89.09	-	89.09
	68.22	-	68.22
	49.07	-	49.07
	44.63	-	44.63
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	19.91	-	19.91
	19.47	-	19.47
	19.28	-	19.28
	19.77	-	19.77
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	24.27	24.27	-
	26.17	26.17	-
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	29.72	29.72	-
	31.26	31.26	-
	32.20	32.2	-
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	29.46	-	29.46
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	19.29	-	19.29
	18.81	-	18.81
	16.49	-	16.49
	15.96	-	15.96
	16.02	-	16.02
	17.78	-	17.78
	19.50	-	19.5
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	21.05	21.05	-



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23.62	23.62	-
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24.60	24.6	-
25.22	25.22	-
26.20	26.2	-
26.60	26.6	-
27.57	27.57	-
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25.25	-	25.25
25.06	-	25.06
23.66	-	23.66
21.71	-	21.71
19.77	-	19.77
18.06	-	18.06
16.32	-	16.32
15.45	-	15.45
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16.10	-	16.1
18.52	-	18.52
19.47	-	19.47
20.43	20.43	-
22.36	22.36	-
23.57	23.57	-
25.55	25.55	-
26.66	26.66	-
29.54	29.54	-
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36.82	36.82	-
34.43	-	34.43
31.81	-	31.81
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27.68	-	27.68
25.52	-	25.52
22.96	-	22.96
20.42	-	20.42
18.55	-	18.55
16.70	-	16.7
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18.53	-	18.53
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	25.72	25.72	-
	27.56	27.56	-
	29.60	29.6	-
	32.70	32.7	-
	35.12	35.12	-
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	32.66	-	32.66
	29.43	-	29.43
	29.04	-	29.04
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	18.76	-	18.76
	17.08	-	17.08
	15.66	-	15.66
	15.43	-	15.43
	17.28	-	17.28
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	49.11	49.11	-
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	18.08	-	18.08

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22.99	22.99	-
26.08	26.08	-
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34.96	34.96	-
39.31	39.31	-
43.89	43.89	-
50.38	50.38	-
56.06	56.06	-
60.98	60.98	-
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48.87	-	48.87
41.48	-	41.48
36.60	-	36.6
31.63	-	31.63
26.80	-	26.8
23.27	-	23.27
21.44	-	21.44
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19.04	-	19.04
18.35	-	18.35
18.28	-	18.28
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25.79	25.79	-
29.31	29.31	-
32.49	32.49	-
34.60	34.6	-
37.93	37.93	-
44.03	44.03	-
43.17	43.17	-
46.86	46.86	-
45.45	-	45.45
36.47	-	36.47
32.07	-	32.07
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27.29	-	27.29
23.96	-	23.96
21.38	-	21.38
20.84	-	20.84
19.58	-	19.58
18.28	-	18.28
17.24	-	17.24
17.32	-	17.32

18.91	-	18.91
19.68	-	19.68
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21.44	21.44	-
23.48	23.48	-
26.86	26.86	-
30.84	30.84	-
30.07	30.07	-
32.72	32.72	-
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27.82	-	27.82
26.24	-	26.24
23.79	-	23.79
21.97	-	21.97
20.42	-	20.42
19.60	-	19.6
18.75	-	18.75
17.72	-	17.72
16.74	-	16.74
17.12	-	17.12
19.14	-	19.14
20.15	-	20.15
21.62	-	21.62
22.67	22.67	-
24.34	24.34	-
28.21	28.21	-
33.11	33.11	-
33.31	33.31	-
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39.50	39.5	-
40.77	40.77	-
45.60	45.6	-
44.69	-	44.69
37.01	-	37.01
33.60	-	33.6
31.95	-	31.95
28.89	-	28.89
24.38	-	24.38
21.79	-	21.79
19.83	-	19.83
18.75	-	18.75
17.89	-	17.89
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	17.48	-	17.48
	19.24	-	19.24
	20.61	-	20.61
	21.55	-	21.55
	22.27	22.27	-
	24.69	24.69	-
	29.16	29.16	-
	33.61	33.61	-
	34.29	34.29	-
	35.45	35.45	-
	37.94	37.94	-
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	44.39	44.39	-
	40.45	-	40.45
	35.65	-	35.65
	32.49	-	32.49
	29.52	-	29.52
	27.20	-	27.2
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W	18.44	-	18.44
W	18.00	-	18
W	17.62	-	17.62
W	18.06	-	18.06
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W	20.12	-	20.12
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	17.28	-	17.28
	16.55	-	16.55
	16.64	-	16.64
	17.64	-	17.64
	19.87	-	19.87
	20.57	-	20.57
	22.88	22.88	-
	26.52	26.52	-
	29.15	29.15	-
	33.86	33.86	-
	37.19	37.19	-
	40.35	40.35	-
	49.78	49.78	-
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	61.47	61.47	-
	59.35	-	59.35
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	38.16	-	38.16
	39.80	-	39.8
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	26.63	-	26.63
	22.72	-	22.72
	20.52	-	20.52
	19.75	-	19.75

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16.53	-	16.53
16.79	-	16.79
18.43	-	18.43
20.05	-	20.05
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22.54	22.54	-
26.33	26.33	-
29.31	29.31	-
32.59	32.59	-
34.98	34.98	-
37.44	37.44	-
42.95	42.95	-
44.52	44.52	-
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33.66	-	33.66
33.71	-	33.71
29.71	-	29.71
24.80	-	24.8
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19.80	-	19.8
18.93	-	18.93
17.52	-	17.52
16.48	-	16.48
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18.45	-	18.45
19.51	-	19.51
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21.94	21.94	-
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28.30	28.3	-
31.79	31.79	-
33.03	33.03	-
35.14	35.14	-
37.90	37.9	-
40.16	40.16	-
41.04	41.04	-
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33.83	-	33.83
31.52	-	31.52
30.81	-	30.81
27.50	-	27.5
23.97	-	23.97
21.21	-	21.21
19.37	-	19.37



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23.01	23.01	-
25.37	25.37	-
29.34	29.34	-
30.10	30.1	-
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34.19	34.19	-
37.08	37.08	-
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27.90	-	27.9
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14.57	-	14.57
16.60	-	16.6
19.00	-	19
19.63	-	19.63
20.76	20.76	-
22.64	22.64	-
24.19	24.19	-
26.49	26.49	-
27.07	27.07	-
28.17	28.17	-
29.81	29.81	-
30.63	30.63	-
33.21	33.21	-
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23.56	-	23.56
21.49	-	21.49
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W

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17.86	-	17.86
19.27	-	19.27
21.03	21.03	-
23.19	23.19	-
26.77	26.77	-
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34.09	34.09	-
39.03	39.03	-
43.39	43.39	-
45.56	45.56	-
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29.61	-	29.61
24.30	-	24.3
22.24	-	22.24
21.67	-	21.67
19.95	-	19.95
19.20	-	19.2
18.78	-	18.78
18.80	-	18.8
19.96	-	19.96
21.35	-	21.35
22.11	-	22.11
22.97	22.97	-
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32.47	-	32.47
30.78	-	30.78
28.25	-	28.25

24.26	-	24.26
21.75	-	21.75
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16.97	-	16.97
17.28	-	17.28
18.70	-	18.7
20.31	-	20.31
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21.28	21.28	-
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25.86	25.86	-
29.25	29.25	-
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32.83	32.83	-
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17.96	-	17.96
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17.04	-	17.04
18.74	-	18.74
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22.94	22.94	-
24.77	24.77	-
26.52	26.52	-
29.19	29.19	-
32.19	32.19	-
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39.12	-	39.12
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30.40	-	30.4
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	20.68	-	20.68
	19.46	-	19.46
	18.40	-	18.4
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	15.79	-	15.79
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	25.30	25.3	-
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	18.22	-	18.22
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	35.75	35.75	-
	39.98	39.98	-
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	54.71	54.71	-
	63.78	63.78	-
	58.16	-	58.16
	47.01	-	47.01

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19.25	-	19.25
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16.11	-	16.11
18.64	-	18.64
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20.84	-	20.84
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33.36	33.36	-
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23.81	-	23.81
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21.07	-	21.07
19.58	-	19.58
18.50	-	18.5
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19.37	-	19.37
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25.08	25.08	-
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38.34	38.34	-
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52.36	52.36	-
49.63	-	49.63

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23.87	-	23.87
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26.18	26.18	-
27.94	27.94	-
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28.01	28.01	-



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	23.10	23.1	-
	24.05	24.05	-
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	27.19	-	27.19
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	21.82	21.82	-
	23.05	23.05	-
	24.40	24.4	-
	26.22	26.22	-
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17.47	-	17.47
16.52	-	16.52
14.74	-	14.74
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17.09	-	17.09
18.79	-	18.79
19.90	-	19.9
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21.67	21.67	-
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26.51	26.51	-
28.70	28.7	-
28.98	28.98	-
29.96	29.96	-
33.21	33.21	-
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27.11	-	27.11
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18.61	-	18.61
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18.02	-	18.02
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20.24	20.24	-
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23.42	23.42	-
25.00	25	-
26.46	26.46	-
29.42	29.42	-

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	19.07	-	19.07
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W	21.02	-	21.02
W	22.36	-	22.36
W	24.38	-	24.38
W	26.32	-	26.32
W	27.80	-	27.8
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W	24.82	-	24.82
W	24.74	-	24.74
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W	18.77	-	18.77
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	14.72	-	14.72
	14.47	-	14.47
	14.15	-	14.15
	14.55	-	14.55
	14.75	-	14.75
	14.50	-	14.5
	16.90	16.9	-
	19.73	19.73	-
	20.60	20.6	-
	22.99	22.99	-

25.85	25.85	-
28.82	28.82	-
32.23	32.23	-
31.81	31.81	-
36.16	36.16	-
35.33	-	35.33
31.77	-	31.77
29.52	-	29.52
30.18	-	30.18
24.86	-	24.86
21.96	-	21.96
20.08	-	20.08
18.54	-	18.54
18.54	-	18.54
16.94	-	16.94
16.41	-	16.41
16.50	-	16.5
18.85	-	18.85
20.78	-	20.78
20.99	-	20.99
21.19	21.19	-
23.08	23.08	-
24.64	24.64	-
26.32	26.32	-
30.52	30.52	-
32.15	32.15	-
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38.22	38.22	-
40.34	40.34	-
39.82	-	39.82
36.63	-	36.63
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32.53	-	32.53
27.22	-	27.22
22.92	-	22.92
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19.32	-	19.32
18.19	-	18.19
17.21	-	17.21
16.15	-	16.15
17.12	-	17.12
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23.35	23.35	-
26.86	26.86	-

29.63	29.63	-
31.52	31.52	-
33.66	33.66	-
37.21	37.21	-
38.15	38.15	-
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36.16	-	36.16
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31.48	-	31.48
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25.20	-	25.2
21.52	-	21.52
19.96	-	19.96
20.42	-	20.42
19.44	-	19.44
18.77	-	18.77
18.44	-	18.44
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24.34	24.34	-
25.46	25.46	-
26.63	26.63	-
30.38	30.38	-
29.05	29.05	-
31.10	31.1	-
32.02	32.02	-
31.46	31.46	-
30.10	-	30.1
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26.97	-	26.97
23.87	-	23.87
20.48	-	20.48
19.03	-	19.03
19.83	-	19.83
19.26	-	19.26
18.58	-	18.58
18.69	-	18.69
19.10	-	19.1
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22.25	22.25	-
24.45	24.45	-

	26.86	26.86	-
	29.66	29.66	-
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	33.74	-	33.74
	31.74	-	31.74
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	26.53	-	26.53
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W	17.90	-	17.9



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	17.19	-	17.19
	18.84	-	18.84
	22.58	-	22.58
	22.71	-	22.71
	22.82	22.82	-
	25.45	25.45	-
	26.47	26.47	-
	26.99	26.99	-
	32.81	32.81	-
	35.43	35.43	-
	36.15	36.15	-
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	36.51	-	36.51
	37.37	-	37.37
	33.00	-	33
	24.32	-	24.32
	22.27	-	22.27
	20.04	-	20.04
	18.97	-	18.97
	18.38	-	18.38
	17.44	-	17.44
	16.73	-	16.73
	17.81	-	17.81
	18.89	-	18.89
	22.22	-	22.22
	22.44	-	22.44

23.37	23.37	-
27.96	27.96	-
30.93	30.93	-
34.69	34.69	-
39.18	39.18	-
46.84	46.84	-
54.47	54.47	-
64.95	64.95	-
72.43	72.43	-
67.66	-	67.66
46.06	-	46.06
42.81	-	42.81
42.56	-	42.56
32.02	-	32.02
27.87	-	27.87
22.68	-	22.68
21.45	-	21.45
20.30	-	20.3
19.27	-	19.27
18.88	-	18.88
18.81	-	18.81
20.28	-	20.28
23.56	-	23.56
23.20	-	23.2
24.30	24.3	-
28.01	28.01	-
32.16	32.16	-
35.46	35.46	-
39.81	39.81	-
45.73	45.73	-
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63.69	63.69	-
71.54	71.54	-
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32.69	-	32.69
27.71	-	27.71
23.73	-	23.73
23.05	-	23.05
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19.60	-	19.6
19.71	-	19.71
21.48	-	21.48
24.32	-	24.32

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	37.49	37.49	-
	42.52	42.52	-
	50.72	50.72	-
	84.67	84.67	-
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	46.67	-	46.67
	42.62	-	42.62
	39.39	-	39.39
	32.16	-	32.16
	25.43	-	25.43
	22.91	-	22.91
	21.60	-	21.6
	20.49	-	20.49
	19.67	-	19.67
	18.97	-	18.97
	19.14	-	19.14
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	24.42	-	24.42
	24.16	24.16	-
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	28.40	28.4	-
	32.88	32.88	-
	38.53	38.53	-
	47.15	47.15	-
	72.21	72.21	-
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	31.17	-	31.17
	29.57	-	29.57
	25.18	-	25.18
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W	18.91	-	18.91
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W	25.28	-	25.28
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W	39.73	-	39.73
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W	34.48	-	34.48
W	34.02	-	34.02
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	19.52	-	19.52
	18.28	-	18.28
	17.54	-	17.54
	18.15	-	18.15

20.22	-	20.22
22.79	-	22.79
23.19	-	23.19
24.03	24.03	-
27.60	27.6	-
29.68	29.68	-
32.47	32.47	-
35.77	35.77	-
44.85	44.85	-
55.08	55.08	-
66.39	66.39	-
79.58	79.58	-
65.30	-	65.3
41.20	-	41.2
36.47	-	36.47
35.07	-	35.07
28.34	-	28.34
24.19	-	24.19
22.35	-	22.35
20.16	-	20.16
19.75	-	19.75
18.80	-	18.8
18.17	-	18.17
18.60	-	18.6
20.37	-	20.37
24.01	-	24.01
23.83	-	23.83
23.43	23.43	-
25.18	25.18	-
27.33	27.33	-
28.12	28.12	-
31.95	31.95	-
36.16	36.16	-
41.46	41.46	-
45.25	45.25	-
48.25	48.25	-
43.19	-	43.19
34.72	-	34.72
32.52	-	32.52
30.00	-	30
24.99	-	24.99
22.11	-	22.11
20.33	-	20.33
19.36	-	19.36
18.56	-	18.56
17.77	-	17.77
17.37	-	17.37

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19.81	-	19.81
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22.85	-	22.85
22.89	22.89	-
23.88	23.88	-
25.24	25.24	-
26.60	26.6	-
28.70	28.7	-
36.57	36.57	-
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51.61	51.61	-
47.14	-	47.14
36.90	-	36.9
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28.80	-	28.8
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22.48	-	22.48
20.57	-	20.57
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16.66	-	16.66
16.17	-	16.17
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18.04	-	18.04
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23.19	23.19	-
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26.45	26.45	-
27.88	27.88	-
34.85	34.85	-
38.18	38.18	-
43.94	43.94	-
47.84	47.84	-
43.26	-	43.26
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31.35	-	31.35
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22.30	-	22.3
20.16	-	20.16
18.38	-	18.38
17.72	-	17.72
16.72	-	16.72

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	16.51	-	16.51
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	23.63	23.63	-
	24.49	24.49	-
	26.47	26.47	-
	29.17	29.17	-
	33.65	33.65	-
	38.85	38.85	-
	44.87	44.87	-
	49.19	49.19	-
	43.25	-	43.25
	33.99	-	33.99
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W	17.52	-	17.52

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	16.96	-	16.96
	17.90	-	17.9
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	26.03	26.03	-
	29.01	29.01	-
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	35.08	-	35.08
	36.87	-	36.87
	32.30	-	32.3
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	22.36	-	22.36
	20.74	-	20.74
	19.79	-	19.79



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19.38	-	19.38
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18.86	-	18.86
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27.32	27.32	-
27.64	27.64	-
28.11	28.11	-
30.59	30.59	-
35.48	35.48	-
42.15	42.15	-
45.81	45.81	-
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27.75	-	27.75
23.77	-	23.77
21.05	-	21.05
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18.72	-	18.72
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20.73	-	20.73
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23.80	-	23.8
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24.48	24.48	-
25.84	25.84	-
27.59	27.59	-
29.65	29.65	-
32.73	32.73	-
37.40	37.4	-
42.64	42.64	-
48.59	48.59	-
45.35	-	45.35
35.24	-	35.24
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31.05	-	31.05
27.11	-	27.11
23.60	-	23.6
21.92	-	21.92

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18.88	-	18.88
20.77	-	20.77
25.29	-	25.29
24.48	-	24.48
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27.90	27.9	-
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37.80	37.8	-
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33.85	-	33.85
27.32	-	27.32
23.68	-	23.68
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20.68	-	20.68
22.97	-	22.97
23.62	-	23.62
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29.97	29.97	-
34.26	34.26	-
39.95	39.95	-
45.60	45.6	-
53.89	53.89	-
47.20	-	47.2
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30.25	-	30.25
30.03	-	30.03
25.62	-	25.62
22.75	-	22.75

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W	17.38	-	17.38
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	28.76	28.76	-
	30.59	30.59	-
	37.27	37.27	-
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	50.71	50.71	-
	61.04	61.04	-
	70.20	70.2	-
	79.85	79.85	-
	66.11	-	66.11
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	23.08	-	23.08
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	19.69	-	19.69
	18.62	-	18.62
	18.64	-	18.64
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	21.54	-	21.54
	25.04	-	25.04
	24.76	-	24.76
	24.80	24.8	-
	27.12	27.12	-
	31.67	31.67	-
	40.70	40.7	-
	44.80	44.8	-
	57.50	57.5	-
	75.74	75.74	-
	88.48	88.48	-
	107.25	107.25	-
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	39.14	-	39.14

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27.34	27.34	-
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33.83	33.83	-
36.26	36.26	-
44.40	44.4	-
67.19	67.19	-
94.96	94.96	-
133.30	133.3	-
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22.13	-	22.13
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32.11	32.11	-
37.78	37.78	-
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85.69	85.69	-
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	14.59	-	14.59
	18.20	-	18.2
	23.02	-	23.02
	23.56	-	23.56
	24.84	24.84	-
	24.95	24.95	-
	25.26	25.26	-
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	27.36	27.36	-
	27.30	27.3	-
	27.34	27.34	-
	27.83	27.83	-
	27.35	27.35	-
	28.22	-	28.22

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27.68	-	27.68
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26.38	26.38	-
25.46	25.46	-
25.66	25.66	-
25.90	25.9	-
25.60	25.6	-
26.12	-	26.12
26.92	-	26.92
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23.17	-	23.17
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17.86	-	17.86
15.95	-	15.95
14.97	-	14.97
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25.85	25.85	-
24.80	24.8	-
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25.63	25.63	-
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24.85	24.85	-



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29.91	29.91	-
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25.43	25.43	-
26.30	26.3	-
29.11	29.11	-
28.48	28.48	-

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	17.64	-	17.64
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	27.07	27.07	-
	25.94	25.94	-
	25.37	25.37	-
	24.36	24.36	-
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	24.82	24.82	-
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25.21	25.21	-
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22.21	-	22.21
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19.00	-	19
21.87	-	21.87
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30.67	30.67	-

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	29.63	-	29.63
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	35.30	35.3	-

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34.66	34.66	-
35.92	35.92	-
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37.78	-	37.78
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38.22	-	38.22
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27.82	-	27.82
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28.33	-	28.33
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35.59	35.59	-



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	19.82	-	19.82
	19.51	-	19.51
	18.92	-	18.92
	18.61	-	18.61
	19.63	-	19.63
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	29.77	-	29.77

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28.99	28.99	-
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28.64	28.64	-
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23.95	-	23.95
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19.76	-	19.76
19.52	-	19.52
20.66	-	20.66
22.47	-	22.47

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	32.08	32.08	-
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	30.06	-	30.06
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	23.07	-	23.07
	22.99	-	22.99
	23.08	-	23.08
	22.95	-	22.95
	23.08	-	23.08
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	45.97	-	45.97
	37.84	37.84	-
	34.76	34.76	-
	33.87	33.87	-
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	27.22	27.22	-
	25.87	25.87	-
	26.96	26.96	-
	30.37	-	30.37
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	34.45	-	34.45
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	23.50	-	23.5

23.56	-	23.56
25.41	-	25.41
37.04	-	37.04
52.36	-	52.36
48.94	-	48.94
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36.28	36.28	-
35.72	35.72	-
34.23	34.23	-
31.83	31.83	-
33.60	33.6	-
28.07	28.07	-
28.26	28.26	-
34.90	34.9	-
51.69	-	51.69
42.83	-	42.83
40.06	-	40.06
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33.53	-	33.53
28.19	-	28.19
24.56	-	24.56
24.35	-	24.35
23.94	-	23.94
23.41	-	23.41
23.72	-	23.72
24.69	-	24.69
26.97	-	26.97
40.27	-	40.27
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36.07	36.07	-
36.02	36.02	-
35.93	35.93	-
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32.67	32.67	-
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35.44	35.44	-
46.78	-	46.78
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41.78	-	41.78
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27.19	-	27.19
26.94	-	26.94

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29.56	-	29.56
32.60	-	32.6
45.48	-	45.48
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31.71	31.71	-
29.78	29.78	-
29.89	29.89	-
27.95	27.95	-
28.30	28.3	-
31.32	31.32	-
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38.63	-	38.63
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33.73	-	33.73
29.41	-	29.41
26.87	-	26.87
25.86	-	25.86
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24.57	-	24.57
25.33	-	25.33
27.68	-	27.68
31.18	-	31.18
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36.75	36.75	-
37.55	37.55	-
33.56	33.56	-
33.36	33.36	-
36.56	36.56	-
47.95	-	47.95
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39.86	-	39.86
34.35	-	34.35
29.40	-	29.4
27.72	-	27.72

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	30.12	-	30.12
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	40.56	40.56	-
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	46.89	-	46.89
	43.38	-	43.38
	42.94	-	42.94
	41.08	-	41.08
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	22.52	-	22.52
	23.75	-	23.75
	25.54	-	25.54
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	30.33	30.33	-
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	28.58	28.58	-
	28.48	28.48	-
	26.89	26.89	-
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	37.83	-	37.83
	36.62	-	36.62
	33.72	-	33.72
	32.43	-	32.43
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	25.18	-	25.18

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22.96	-	22.96
22.75	-	22.75
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24.36	-	24.36
27.86	-	27.86
35.70	-	35.7
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36.94	36.94	-
37.69	37.69	-
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38.56	38.56	-
38.75	38.75	-
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38.51	38.51	-
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55.32	-	55.32
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54.83	-	54.83
48.87	-	48.87
43.24	-	43.24
39.83	-	39.83
43.50	-	43.5
42.82	-	42.82
42.48	-	42.48
45.33	-	45.33
50.28	-	50.28
62.18	-	62.18
104.89	-	104.89
94.24	-	94.24
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48.78	48.78	-
47.89	47.89	-
41.89	41.89	-
39.61	39.61	-
39.61	39.61	-
36.34	36.34	-
38.06	38.06	-
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57.04	-	57.04
54.97	-	54.97
53.76	-	53.76
49.78	-	49.78
45.19	-	45.19

39.70	-	39.7
36.99	-	36.99
37.86	-	37.86
37.75	-	37.75
36.76	-	36.76
37.64	-	37.64
39.28	-	39.28
47.11	-	47.11
103.21	-	103.21
87.23	-	87.23
56.70	56.7	-
44.81	44.81	-
38.67	38.67	-
34.69	34.69	-
31.12	31.12	-
30.35	30.35	-
29.76	29.76	-
29.64	29.64	-
33.88	33.88	-
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40.75	-	40.75
38.34	-	38.34
33.13	-	33.13
29.32	-	29.32
28.03	-	28.03
27.78	-	27.78
27.55	-	27.55
27.64	-	27.64
27.67	-	27.67
28.70	-	28.7
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52.42	-	52.42
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35.32	35.32	-
33.99	33.99	-
31.90	31.9	-
29.41	29.41	-
28.76	28.76	-
28.09	28.09	-
27.91	27.91	-
30.62	30.62	-
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33.61	-	33.61
31.45	-	31.45

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	24.28	-	24.28
	25.64	-	25.64
	28.38	-	28.38
	39.62	-	39.62
	41.82	-	41.82
	37.96	37.96	-
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	35.68	35.68	-
	32.77	32.77	-
	31.76	31.76	-
	29.85	29.85	-
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	36.88	-	36.88
	36.00	-	36
	32.40	-	32.4
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	25.63	-	25.63
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	25.77	-	25.77
	26.15	-	26.15
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	37.39	37.39	-
	43.16	-	43.16
	40.09	-	40.09

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37.34	-	37.34
32.02	-	32.02
28.65	-	28.65
25.92	-	25.92
25.74	-	25.74
25.50	-	25.5
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29.38	-	29.38
42.85	-	42.85
42.95	-	42.95
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36.38	36.38	-
37.35	37.35	-
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30.40	30.4	-
29.58	29.58	-
29.52	29.52	-
28.87	28.87	-
34.03	34.03	-
41.41	-	41.41
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34.39	-	34.39
34.21	-	34.21
27.80	-	27.8
25.42	-	25.42
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23.11	-	23.11
22.45	-	22.45
22.08	-	22.08
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23.61	-	23.61
25.89	-	25.89
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36.88	-	36.88
32.28	32.28	-
30.19	30.19	-
28.34	28.34	-
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25.54	25.54	-
24.85	24.85	-
24.31	24.31	-
24.17	24.17	-
25.56	25.56	-
29.35	-	29.35

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	30.87	-	30.87
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	25.49	25.49	-
	24.91	24.91	-
	24.88	24.88	-
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	27.08	-	27.08
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	19.88	-	19.88
	19.95	-	19.95
	22.47	-	22.47
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	41.32	-	41.32
	30.60	30.6	-
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	26.57	26.57	-
	25.02	25.02	-
	24.26	24.26	-
	24.00	24	-
	23.70	23.7	-
	23.39	23.39	-



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29.62	-	29.62
28.33	-	28.33
26.03	-	26.03
24.28	-	24.28
23.51	-	23.51
21.90	-	21.9
20.37	-	20.37
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22.31	-	22.31
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36.40	-	36.4
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27.99	27.99	-
25.76	25.76	-
24.59	24.59	-
23.65	23.65	-
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22.70	-	22.7
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19.78	-	19.78
17.74	-	17.74
16.88	-	16.88
16.90	-	16.9
16.99	-	16.99
18.69	-	18.69
19.46	-	19.46
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21.86	21.86	-
21.56	21.56	-

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22.38	22.38	-
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21.97	-	21.97
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19.61	-	19.61
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22.04	22.04	-
21.03	21.03	-
19.99	19.99	-

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	19.95	19.95	-
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	25.06	-	25.06
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	18.63	-	18.63
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	28.11	-	28.11
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	27.08	27.08	-
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	26.76	26.76	-
	25.12	25.12	-
	25.86	25.86	-
	25.05	25.05	-
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	30.66	-	30.66
	33.66	-	33.66
	26.99	-	26.99
	24.21	-	24.21
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	22.44	-	22.44
	21.94	-	21.94
	21.89	-	21.89
	21.98	-	21.98
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	24.37	24.37	-

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24.91	24.91	-
29.93	-	29.93
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27.22	-	27.22
25.91	-	25.91
24.24	-	24.24
22.69	-	22.69
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20.87	-	20.87
21.95	-	21.95
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26.76	26.76	-
24.78	24.78	-
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22.18	22.18	-
21.77	21.77	-
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21.50	21.5	-
23.05	23.05	-
27.92	-	27.92
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22.38	-	22.38
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27.63	27.63	-
25.47	25.47	-

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	19.08	-	19.08
	21.13	-	21.13
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	27.71	-	27.71
	27.27	27.27	-

26.83	26.83	-
25.93	25.93	-
25.31	25.31	-
24.14	24.14	-
23.88	23.88	-
23.00	23	-
22.72	22.72	-
24.31	24.31	-
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25.11	-	25.11
23.93	-	23.93
21.45	-	21.45
19.71	-	19.71
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27.48	27.48	-
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20.40	-	20.4
21.86	-	21.86
24.40	-	24.4
38.33	-	38.33
49.85	-	49.85



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31.97	31.97	-
31.52	31.52	-
27.99	27.99	-
26.43	26.43	-
25.34	25.34	-
25.00	25	-
25.33	25.33	-
30.98	30.98	-
46.41	-	46.41
40.80	-	40.8
39.42	-	39.42
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32.42	-	32.42
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25.40	-	25.4
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41.96	41.96	-
32.08	32.08	-
28.62	28.62	-
25.34	25.34	-
24.24	24.24	-
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23.90	23.9	-
27.79	27.79	-
38.52	-	38.52
35.71	-	35.71
35.08	-	35.08
31.81	-	31.81
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25.02	-	25.02
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21.70	-	21.7
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24.76	-	24.76
31.03	-	31.03

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	24.31	24.31	-
	26.96	26.96	-
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	19.42	-	19.42

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26.56	26.56	-
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25.93	25.93	-
25.24	25.24	-
24.02	24.02	-
23.43	23.43	-
22.97	22.97	-
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24.40	-	24.4
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31.40	31.4	-
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27.38	27.38	-
27.89	27.89	-
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	23.08	23.08	-
	23.06	23.06	-
	24.94	24.94	-
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23.05	-	23.05
37.05	-	37.05
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29.42	29.42	-
26.94	26.94	-
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21.81	21.81	-
23.01	23.01	-
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21.09	21.09	-
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17.61	-	17.61
17.25	-	17.25

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16.16	-	16.16
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19.55	19.55	-
19.25	19.25	-
18.75	18.75	-
17.95	17.95	-
17.06	17.06	-
15.90	15.9	-
15.79	15.79	-
15.75	15.75	-
16.83	16.83	-
19.23	-	19.23
19.09	-	19.09
18.92	-	18.92
18.65	-	18.65
17.55	-	17.55
16.03	-	16.03
15.45	-	15.45
15.90	-	15.9
15.34	-	15.34
15.49	-	15.49
15.15	-	15.15
16.02	-	16.02
17.96	-	17.96
19.78	-	19.78
21.78	-	21.78
21.45	21.45	-
21.40	21.4	-
21.33	21.33	-
20.60	20.6	-
19.65	19.65	-
19.40	19.4	-
18.97	18.97	-
18.98	18.98	-
20.32	20.32	-
23.86	-	23.86
22.02	-	22.02
21.33	-	21.33
21.27	-	21.27
20.34	-	20.34
18.76	-	18.76
16.03	-	16.03



	16.11	-	16.11
	15.40	-	15.4
	15.03	-	15.03
	14.80	-	14.8
	15.80	-	15.8
	17.42	-	17.42
	19.43	-	19.43
	21.98	-	21.98
	22.54	22.54	-
	22.12	22.12	-
	21.88	21.88	-
	22.28	22.28	-
	21.15	21.15	-
	20.68	20.68	-
	20.06	20.06	-
	20.06	20.06	-
	21.49	21.49	-
	23.55	-	23.55
	22.22	-	22.22
	22.06	-	22.06
	21.29	-	21.29
	20.33	-	20.33
	18.84	-	18.84
	17.87	-	17.87
W	18.16	-	18.16
W	17.38	-	17.38
W	16.03	-	16.03
W	15.40	-	15.4
W	15.96	-	15.96
W	16.78	-	16.78
W	18.47	-	18.47
W	19.67	-	19.67
W	20.56	-	20.56
W	20.30	-	20.3
W	20.47	-	20.47
W	19.72	-	19.72
W	18.75	-	18.75
W	17.55	-	17.55
W	17.55	-	17.55
W	17.43	-	17.43
W	19.23	-	19.23
W	22.19	-	22.19
W	21.28	-	21.28
W	20.57	-	20.57
W	19.70	-	19.7
W	18.36	-	18.36
W	17.27	-	17.27

W	16.74	-	16.74
W	14.61	-	14.61
W	14.51	-	14.51
W	14.04	-	14.04
W	13.68	-	13.68
W	13.90	-	13.9
W	14.13	-	14.13
W	15.03	-	15.03
W	16.17	-	16.17
W	17.06	-	17.06
W	17.80	-	17.8
W	18.35	-	18.35
W	18.02	-	18.02
W	17.99	-	17.99
W	17.50	-	17.5
W	16.95	-	16.95
W	17.63	-	17.63
W	19.24	-	19.24
W	21.43	-	21.43
W	20.95	-	20.95
W	19.99	-	19.99
W	19.49	-	19.49
W	18.04	-	18.04
W	16.99	-	16.99
W	14.39	-	14.39
	13.39	-	13.39
	12.84	-	12.84
	12.90	-	12.9
	12.50	-	12.5
	12.87	-	12.87
	13.49	-	13.49
	15.59	-	15.59
	17.87	-	17.87
	18.95	18.95	-
	19.09	19.09	-
	19.49	19.49	-
	19.38	19.38	-
	19.13	19.13	-
	19.22	19.22	-
	18.98	18.98	-
	19.03	19.03	-
	19.75	19.75	-
	23.58	-	23.58
	22.05	-	22.05
	22.35	-	22.35
	20.72	-	20.72
	19.43	-	19.43

17.70	-	17.7
16.02	-	16.02
15.58	-	15.58
14.18	-	14.18
13.84	-	13.84
14.23	-	14.23
14.34	-	14.34
16.46	-	16.46
19.42	-	19.42
22.05	-	22.05
22.19	22.19	-
22.82	22.82	-
23.65	23.65	-
22.79	22.79	-
22.35	22.35	-
21.39	21.39	-
21.04	21.04	-
21.15	21.15	-
23.58	23.58	-
30.18	-	30.18
27.21	-	27.21
27.06	-	27.06
24.86	-	24.86
22.99	-	22.99
20.27	-	20.27
19.41	-	19.41

Carbon (\$/ton)	Market Sales (thermal Existing Units CO2 gen + purchased energy + Net Load (Load - EE - Emmissions (tons) wind/utility solar) (GWh) VVO - DG) (GWh) \$/kWh				
	2021	0	5,769,805	5913	6060
2022	0	5,267,945	5,384	6,037	0
2023	0	6,138,111	6,252	6,115	0
2024	0	4,742,434	5,542	6,097	0
2025	0	4,400,121	5,870	6,042	0
2026	0	4,419,866	5,849	6,036	0
2027	0	4,568,059	5,993	6,031	0
2028	15	4,297,964	5,717	6,029	0.010693226
2029	15.53	3,059,633	4,516	6,027	0.007881334
2030	16.07	3,194,418	4,619	6,035	0.008505237
2031	16.63	3,052,403	4,799	6,033	0.008414355
2032	17.21	3,146,840	5,161	6,036	0.008973835
2033	17.82	3,240,392	5,280	6,040	0.009557705
2034	18.44	3,097,617	5,117	6,044	0.009450105
2035	19.08	3,148,496	5,161	6,043	0.009943156
2036	19.75	3,506,318	5,503	6,044	0.011458847
2037	20.44	3,064,179	5,101	6,040	0.010371262
2038	21.16	2,745,361	4,763	6,041	0.009615799
2039	21.90	3,037,874	5,048	6,054	0.010989108
2040	22.67	3,136,866	5,150	6,053	0.011746291
2041	23.46	3,023,461	5,055	6,048	0.01172758
2042	24.28	3,145,013	5,153	6,047	0.012628118
2043	25.13	2,782,514	4,795	6,042	0.011573192
2044	26.01	2,942,342	4,941	6,037	0.012676776
2045	26.92	3,084,196	5,106	6,032	0.013764418

NPV of 21-45 \$0.07

life (years)	25
Discount factor	7%
Capital Recovery Factor	0.086817844
avoided cost	\$0.005778

**Discount  
Rate**

**7% IRP**





Year	Avg On-Peak		Bond Yr 30		Discounted Value	NMS II
	LMP value					
1	2021	\$0.0358	0.014	1	0.035	0.038
2	2022	\$0.0341	0.014	0.98619329	0.033	0.038
3	2023	\$0.0328	0.014	0.97257721	0.031	0.038
4	2024	\$0.0332	0.014	0.95914913	0.031	0.038
5	2025	\$0.0335	0.014	0.94590644	0.031	0.038
6	2026	\$0.0340	0.014	0.93284658	0.031	0.038
7	2027	\$0.0345	0.014	0.91996704	0.031	0.038
8	2028	\$0.0349	0.014	0.90726533	0.031	0.038
9	2029	\$0.0356	0.014	0.89473898	0.031	0.038
10	2030	\$0.0364	0.014	0.88238559	0.032	0.038
11	2031	\$0.0370	0.014	0.87020275	0.032	0.038
12	2032	\$0.0377	0.014	0.85818811	0.032	0.038
13	2033	\$0.0386	0.014	0.84633936	0.032	0.038
14	2034	\$0.0393	0.014	0.8346542	0.032	0.038
15	2035	\$0.0401	0.014	0.82313038	0.033	0.038
16	2036	\$0.0409	0.014	0.81176566	0.033	0.038
17	2037	\$0.0417	0.014	0.80055785	0.033	0.038
18	2038	\$0.0426	0.014	0.78950478	0.033	0.038
19	2039	\$0.0434	0.014	0.77860432	0.033	0.038
20	2040	\$0.0443	0.014	0.76785436	0.034	0.038
21	2041	\$0.0452	0.014	0.75725282	0.034	0.038
22	2042	\$0.0461	0.014	0.74679765	0.034	0.038
23	2043	\$0.0470	0.014	0.73648684	0.034	0.038
24	2044	\$0.0479	0.014	0.72631838	0.034	0.038
25	2045	\$0.0489	0.014	0.71629032	0.035	0.038

NPV **\$0.82** **\$0.82**

Avoided energy cost **\$0.03841**  
 Pri Dist losses 0.0135  
**Average w losses \$0.03893**



On-Peak Avge. Price 2019:	\$0.0342
On-Peak Avge. Price 2018:	\$0.0413
On-Peak Avge. Price 2017:	\$0.0320
<b>Average:</b>	<b>\$0.0358</b>

## Natural Gas Forwards & Futures (Data)

Source: CME Group/NYMEX

Price Type: Full Value Future/Forward

Forward Term: Annual

Region: Northeast - Non NY/NE

As Of: 04/01/2021

As Of : 4/01/2021

<b>Term</b>	<b>Henry Hub</b>	
Jan-21	2.784	
Jan-22	2.647	-4.90%
Jan-23	2.550	-3.66%
Jan-24	2.581	1.20%
Jan-25	2.607	1.02%
Jan-26	2.639	1.23%
Jan-27	2.682	1.61%
Jan-28	2.713	1.18%
Jan-29	2.766	1.92%
Jan-30	2.828	2.24%
Jan-31	2.873	1.60%
Jan-32	2.932	2.05%
Jan-33	2.997	2.22%
34 and after		2.00%

NYMEX and CME Clearport market data provided by DTN.

NYMEX and CME Clearport market data is property of the Chicago Mercantile Exchange, Inc. and its licensors. All rights reserved.

OTC Global Holdings (OTCGH) power forwards for Ontario and A available in CAD or US\$/MWh. All others are posted in US\$/MWh. OTCGH natural gas forwards are posted in US\$/MMBtu.

Treasury Yields

Date	Apr-21
1 Mo	0.02
2 Mo	0.02
3 Mo	0.02
6 Mo	0.04
1 Yr	0.06
2 Yr	0.17
3 Yr	0.35
5 Yr	0.90
7 Yr	1.37
10 Yr	1.69
20 Yr	2.24
30 Yr	2.34
<b>30 Yr</b>	<b>1.4</b> McKenzie's Risk Free

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On-Peak Avge. Price 2019:	\$0.0342
On-Peak Avge. Price 2018:	\$0.0413
On-Peak Avge. Price 2017:	\$0.0320
<b>Average:</b>	<b>\$0.0358</b>

Year	Natural Gas Henry Hub, Nominal		Escalation Rate	Avg On-Peak	Bond Yr 30	
	\$/MMBtu			LMP value		
	2019	3.21		\$0.0358		
	2020	3.44	7.2%	\$0.0384		
1	2021	3.54	3.0%	\$0.0395	0.014	1
2	2022	3.71	4.8%	\$0.0414	0.014	0.98619329
3	2023	3.89	4.9%	\$0.0435	0.014	0.97257721
4	2024	4.08	4.9%	\$0.0456	0.014	0.95914913
5	2025	4.24	3.9%	\$0.0473	0.014	0.94590644
6	2026	4.40	3.8%	\$0.0491	0.014	0.93284658
7	2027	4.55	3.4%	\$0.0508	0.014	0.91996704
8	2028	4.84	6.4%	\$0.0540	0.014	0.90726533
9	2029	5.01	3.5%	\$0.0559	0.014	0.89473898
10	2030	5.17	3.2%	\$0.0577	0.014	0.88238559
11	2031	5.30	2.6%	\$0.0592	0.014	0.87020275
12	2032	5.45	2.8%	\$0.0609	0.014	0.85818811
13	2033	5.62	3.0%	\$0.0627	0.014	0.84633936
14	2034	5.82	3.6%	\$0.0649	0.014	0.8346542
15	2035	6.02	3.5%	\$0.0672	0.014	0.82313038
16	2036	6.14	2.0%	\$0.0685	0.014	0.81176566
17	2037	6.39	4.1%	\$0.0713	0.014	0.80055785
18	2038	6.64	3.8%	\$0.0741	0.014	0.78950478
19	2039	6.84	3.1%	\$0.0763	0.014	0.77860432
20	2040	7.02	2.6%	\$0.0783	0.014	0.76785436
21	2041	7.32	4.3%	\$0.0817	0.014	0.75725282
22	2042	7.61	3.9%	\$0.0849	0.014	0.74679765
23	2043	7.84	3.1%	\$0.0875	0.014	0.73648684
24	2044	8.18	4.2%	\$0.0912	0.014	0.72631838
25	2045	8.50	3.9%	\$0.0948	0.014	0.71629032

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**NPV**

**Discounted Value      VOS**

0.036	0.063
0.041	0.063
0.042	0.063
0.044	0.063
0.045	0.063
0.046	0.063
0.047	0.063
0.049	0.063
0.050	0.063
0.051	0.063
0.052	0.063
0.052	0.063
0.053	0.063
0.054	0.063
0.055	0.063
0.056	0.063
0.057	0.063
0.058	0.063
0.059	0.063
0.060	0.063
0.062	0.063
0.063	0.063
0.064	0.063
0.066	0.063
0.068	0.063

Treasury Yields

Date	Apr-21
1 Mo	0.02
2 Mo	0.02
3 Mo	0.02
6 Mo	0.04
1 Yr	0.06
2 Yr	0.17
3 Yr	0.35
5 Yr	0.90
7 Yr	1.37
10 Yr	1.69
20 Yr	2.24
30 Yr	2.34

**30 Yr      1.4 McKenzie's Risk Free**

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**\$1.33      \$1.33**

Avoided energy cost	<b>\$0.06258</b>
Pri Dist losses	0.0135
<b>Average w losses</b>	<b>\$0.06343</b>



**T Fixed Cost 2020      \$0.0068**

			<b>Bond Yr 30</b>		<b>Discounted</b>	<b>VOS</b>
1	2021	\$0.0068	0.014	1	0.007	0.012
2	2022	\$0.0071	0.014	0.98619329	0.007	0.012
3	2023	\$0.0074	0.014	0.97257721	0.007	0.012
4	2024	\$0.0078	0.014	0.95914913	0.007	0.012
5	2025	\$0.0082	0.014	0.94590644	0.008	0.012
6	2026	\$0.0086	0.014	0.93284658	0.008	0.012
7	2027	\$0.0090	0.014	0.91996704	0.008	0.012
8	2028	\$0.0095	0.014	0.90726533	0.009	0.012
9	2029	\$0.0100	0.014	0.89473898	0.009	0.012
10	2030	\$0.0105	0.014	0.88238559	0.009	0.012
11	2031	\$0.0110	0.014	0.87020275	0.010	0.012
12	2032	\$0.0115	0.014	0.85818811	0.010	0.012
13	2033	\$0.0121	0.014	0.84633936	0.010	0.012
14	2034	\$0.0127	0.014	0.8346542	0.011	0.012
15	2035	\$0.0134	0.014	0.82313038	0.011	0.012
16	2036	\$0.0140	0.014	0.81176566	0.011	0.012
17	2037	\$0.0147	0.014	0.80055785	0.012	0.012
18	2038	\$0.0155	0.014	0.78950478	0.012	0.012
19	2039	\$0.0163	0.014	0.77860432	0.013	0.012
20	2040	\$0.0171	0.014	0.76785436	0.013	0.012
21	2041	\$0.0179	0.014	0.75725282	0.014	0.012
22	2042	\$0.0188	0.014	0.74679765	0.014	0.012
23	2043	\$0.0198	0.014	0.73648684	0.015	0.012
24	2044	\$0.0207	0.014	0.72631838	0.015	0.012
25	2045	\$0.0218	0.014	0.71629032	0.016	0.012

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**\$0.2283**

**NPV**

**\$0.26**

Avoided cost \$0.01245

Treasury Y

Date

1 Mo

2 Mo

3 Mo

6 Mo

1 Yr

2 Yr

3 Yr

5 Yr

7 Yr

10 Yr

20 Yr

30 Yr

**30 Yr**

---



ields

Apr-21

0.02

0.02

0.02

0.04

0.06

0.17

0.35

0.90

1.37

1.69

2.24

2.34

**1.4 McKenzie's Risk Free**

5% Transmission Escalation Rate

Source: AG KUIC Hearing Ex 1, page 79



# Coal Combustion Residual (“CCR”) and Steam Electric Effluent Limit

## Mitchell Power Plant Capacity Factor

Unit	Net Capacity (MW)	2020	2021	2022
Mitchell 1	770			
Mitchell 2	790			
<b>Total Energy (MWh)</b>	1560			

CCR+ELG	Pre 2020	2020	2021	2022
	341	3,736	16,999	37,907

### 2020 costs

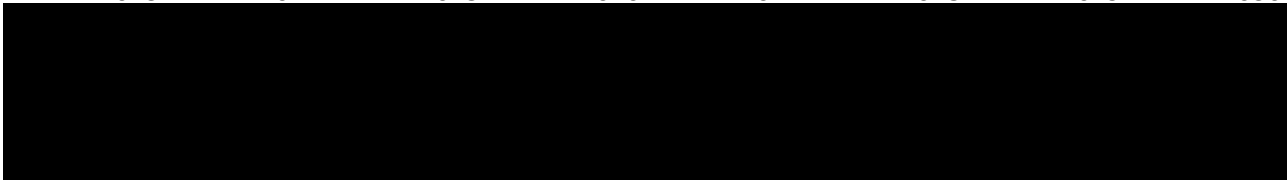
	CCR+ELG	
Last year online	2040	
Lifetime (starting 2021)	20	
Total cost	\$ 133,519,000	
Simple \$/MWh	1.26	
2021 NPV	\$ 129,248,838	
Cost per MW	\$ 82,852	
Average CF		
WACC	1.4%	Exhibits ANM 17 and 18R - filed Nov 9, 2020
Capital Recovery Factor	0.057673173	
Annualized Cost	\$ 7,454,191	
Levelized Cost (\$/MWh)		
Levelized Cost (\$/kWh)	0.0011	

\*including all costs to be paid starting in 2021



# ations Guidelines (“ELG”) compliance projects at the Mitchell Ge

2023      2024      2025      2026      2027      2028      2029      2030



2023      2024      2025      2026      2027      2028      2029      2030  
 73,554      982      -      -      -      -      -      -

### Projected Capacity Factors (%)

KENTUCKY POWER CO							
Projected Capacity Factors (%)							
(2020 - 2034)							
Unit	2020	2021	2022	2023	2024	2025	2026
Mitchell 1							
Mitchell 2							
Rockport 1							
Rockport 2							
Big Sandy 1 - Gas							

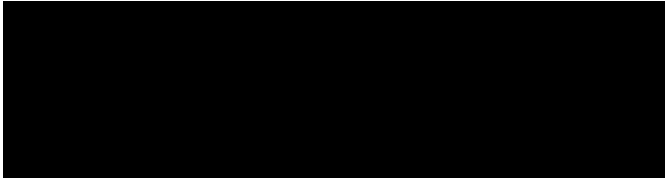
### Project Costs ('000)

Unit & Scope	Pre-2020	2020	2021	2022
ML1-2 Dry Ash Handling Capital	\$ 341	\$ 2,980	\$ 4,870	\$ 12,070
MLO FGD WWT Capital	\$ -	\$ 413	\$ 7,092	\$ 15,870
MLO Pond Repurpose Capital	\$ -	\$ 343	\$ 4,838	\$ 8,930
MLO Pond Repurpose Other	\$ -	\$ -	\$ 182	\$ 940
MLO Pond Repurpose ARO	\$ -	\$ -	\$ 17	\$ 80
<b>Total (Direct+Allocations)</b>	<b>\$ 341</b>	<b>\$ 3,736</b>	<b>\$ 16,999</b>	<b>\$ 37,900</b>



# Generating Station

2031      2032      2033      2034



<b>Total</b>	<b>2021 NPV</b>
133,519	129,249

**COMPANY**  
**Factors (%)**

2027    2028    2029    2030    2031    2032    2033    2034



	2023	2024	Total
75	\$ 36,351	\$ -	\$ 56,616
77	\$ 24,448	\$ 982	\$ 48,811
80	\$ 11,980	\$ -	\$ 26,091
81	\$ 711	\$ -	\$ 1,834
85	\$ 64	\$ -	\$ 166
87	\$ 73,554	\$ 982	\$ 133,519

**Modified Exhibit AEV R6 NMS II Updated Avoided Cost Rate for Commercial  
Example of Typical Customer and Typical Solar Install - Commercial Class**

<b>Full Solar Output Shape Value From Example Solar Plant</b>					
	Solar Pk Reduction MW	Price	\$ Value	17,874 Total annual MWh from solar plant	
					\$/kWh Price
G Capacity	9.55	\$ 249	\$ 867,948		0.0486
T Avoided Cost	5.51	\$ 93,054	\$ 512,424		0.0287

**Net Metering Shape Discount**

Gen Capacity	Summer	<b>73.08%</b>	0.03549
T Avoided Cost		27.85%	0.00798

Cogen SPP Energy	\$/kWh
On Pk	0.03893
Off Pk	
Solar	0.03893

**NMS II Excess Generation Pricing**

Energy	\$	0.03893
Ancillary Services	\$	0.00063
G Capacity	\$	0.03549
T Capacity	\$	0.00798
D Capacity	\$	0.00671
Carbon cost	\$	0.00578



**Modified Exhibit AEV R6 NMS II Updated Avoided Cost Rate for Commercial**

<b>Load Based PJM Ancillary Services \$/MWh</b>	
Sched 1-A: Sched, System Control, & Dispatch	\$ 0.06
Sched 2: Reactive Supply & Voltage Control	\$ 0.40
Sched 3: Regulation & Frequency Response	\$ 0.11
Sched 5: Synchronized Reserve	\$ 0.02
Sched 6: DA Operating Reserves	\$ 0.03
DA Scheduling Reserve	\$ 0.01
<b>Total Avoided Cost for NMS II</b>	<b>\$ 0.63</b>

# Kentucky Power Company

## Combined Commercial Class Load Data

3.751

31,518

Date/Time	Class Demand	Hour	
4/1/2019 0:00	3.155	99,426	0
4/1/2019 1:00	3.183	100,329	1
4/1/2019 2:00	3.240	102,115	2
4/1/2019 3:00	3.334	105,092	3
4/1/2019 4:00	3.583	112,932	4
4/1/2019 5:00	3.868	121,912	5
4/1/2019 6:00	4.530	142,766	6
4/1/2019 7:00	5.468	172,354	7
4/1/2019 8:00	6.083	191,709	8
4/1/2019 9:00	6.105	192,430	9
4/1/2019 10:00	5.764	181,669	10
4/1/2019 11:00	5.404	170,312	11
4/1/2019 12:00	5.214	164,327	12
4/1/2019 13:00	5.157	162,538	13
4/1/2019 14:00	5.013	157,988	14
4/1/2019 15:00	4.841	152,571	15
4/1/2019 16:00	4.218	132,929	16
4/1/2019 17:00	3.784	119,267	17
4/1/2019 18:00	3.492	110,059	18
4/1/2019 19:00	3.411	107,511	19
4/1/2019 20:00	3.556	112,076	20
4/1/2019 21:00	3.543	111,677	21
4/1/2019 22:00	3.474	109,493	22
4/1/2019 23:00	3.479	109,637	23
4/2/2019 0:00	3.471	109,401	0
4/2/2019 1:00	3.544	111,715	1
4/2/2019 2:00	3.593	113,233	2
4/2/2019 3:00	3.644	114,853	3
4/2/2019 4:00	3.712	117,000	4
4/2/2019 5:00	3.975	125,277	5
4/2/2019 6:00	4.561	143,752	6
4/2/2019 7:00	5.207	164,126	7
4/2/2019 8:00	5.601	176,541	8
4/2/2019 9:00	5.816	183,307	9
4/2/2019 10:00	5.450	171,763	10
4/2/2019 11:00	5.219	164,485	11
4/2/2019 12:00	5.160	162,623	12
4/2/2019 13:00	5.112	161,114	13
4/2/2019 14:00	5.023	158,315	14
4/2/2019 15:00	4.708	148,382	15
4/2/2019 16:00	4.317	136,073	16

4/2/2019 17:00	3.721	117,283	17
4/2/2019 18:00	3.544	111,686	18
4/2/2019 19:00	3.476	109,570	19
4/2/2019 20:00	3.549	111,851	20
4/2/2019 21:00	3.489	109,963	21
4/2/2019 22:00	3.314	104,457	22
4/2/2019 23:00	3.275	103,211	23
4/3/2019 0:00	3.279	103,361	0
4/3/2019 1:00	3.316	104,518	1
4/3/2019 2:00	3.431	108,127	2
4/3/2019 3:00	3.474	109,484	3
4/3/2019 4:00	3.699	116,580	4
4/3/2019 5:00	4.018	126,634	5
4/3/2019 6:00	4.548	143,332	6
4/3/2019 7:00	5.252	165,547	7
4/3/2019 8:00	5.479	172,701	8
4/3/2019 9:00	5.544	174,747	9
4/3/2019 10:00	5.202	163,943	10
4/3/2019 11:00	4.889	154,106	11
4/3/2019 12:00	4.874	153,630	12
4/3/2019 13:00	4.756	149,900	13
4/3/2019 14:00	4.559	143,677	14
4/3/2019 15:00	4.386	138,225	15
4/3/2019 16:00	4.193	132,142	16
4/3/2019 17:00	3.793	119,533	17
4/3/2019 18:00	3.591	113,180	18
4/3/2019 19:00	3.487	109,918	19
4/3/2019 20:00	3.304	104,147	20
4/3/2019 21:00	3.218	101,409	21
4/3/2019 22:00	3.049	96,086	22
4/3/2019 23:00	2.895	91,238	23
4/4/2019 0:00	2.773	87,414	0
4/4/2019 1:00	2.707	85,322	1
4/4/2019 2:00	2.801	88,276	2
4/4/2019 3:00	2.811	88,606	3
4/4/2019 4:00	2.985	94,095	4
4/4/2019 5:00	3.238	102,044	5
4/4/2019 6:00	3.824	120,509	6
4/4/2019 7:00	4.398	138,605	7
4/4/2019 8:00	4.836	152,411	8
4/4/2019 9:00	4.857	153,085	9
4/4/2019 10:00	4.707	148,352	10
4/4/2019 11:00	4.436	139,824	11
4/4/2019 12:00	4.682	147,580	12
4/4/2019 13:00	4.607	145,205	13
4/4/2019 14:00	4.632	145,985	14
4/4/2019 15:00	4.651	146,595	15

4/4/2019 16:00	4.287	135,119	16
4/4/2019 17:00	3.773	118,914	17
4/4/2019 18:00	3.547	111,798	18
4/4/2019 19:00	3.391	106,892	19
4/4/2019 20:00	3.380	106,522	20
4/4/2019 21:00	3.334	105,065	21
4/4/2019 22:00	2.962	93,341	22
4/4/2019 23:00	2.705	85,241	23
4/5/2019 0:00	2.591	81,660	0
4/5/2019 1:00	2.610	82,255	1
4/5/2019 2:00	2.643	83,305	2
4/5/2019 3:00	2.674	84,291	3
4/5/2019 4:00	2.637	83,111	4
4/5/2019 5:00	2.674	84,266	5
4/5/2019 6:00	3.000	94,562	6
4/5/2019 7:00	3.523	111,046	7
4/5/2019 8:00	3.824	120,521	8
4/5/2019 9:00	4.178	131,695	9
4/5/2019 10:00	4.209	132,643	10
4/5/2019 11:00	4.173	131,536	11
4/5/2019 12:00	4.281	134,913	12
4/5/2019 13:00	4.327	136,393	13
4/5/2019 14:00	4.154	130,921	14
4/5/2019 15:00	4.049	127,609	15
4/5/2019 16:00	3.854	121,474	16
4/5/2019 17:00	3.496	110,186	17
4/5/2019 18:00	3.287	103,605	18
4/5/2019 19:00	3.123	98,433	19
4/5/2019 20:00	3.115	98,190	20
4/5/2019 21:00	3.118	98,280	21
4/5/2019 22:00	2.892	91,160	22
4/5/2019 23:00	2.690	84,795	23
4/6/2019 0:00	2.609	82,235	0
4/6/2019 1:00	2.454	77,333	1
4/6/2019 2:00	2.442	76,965	2
4/6/2019 3:00	2.406	75,834	3
4/6/2019 4:00	2.385	75,156	4
4/6/2019 5:00	2.451	77,262	5
4/6/2019 6:00	2.695	84,935	6
4/6/2019 7:00	2.716	85,589	7
4/6/2019 8:00	2.927	92,244	8
4/6/2019 9:00	3.096	97,569	9
4/6/2019 10:00	3.174	100,024	10
4/6/2019 11:00	3.268	103,010	11
4/6/2019 12:00	3.214	101,312	12
4/6/2019 13:00	3.245	102,284	13
4/6/2019 14:00	3.247	102,330	14

4/6/2019 15:00	3.278	103,313	15
4/6/2019 16:00	3.120	98,324	16
4/6/2019 17:00	3.060	96,443	17
4/6/2019 18:00	3.075	96,919	18
4/6/2019 19:00	3.108	97,971	19
4/6/2019 20:00	3.129	98,616	20
4/6/2019 21:00	3.011	94,904	21
4/6/2019 22:00	2.798	88,201	22
4/6/2019 23:00	2.654	83,660	23
4/7/2019 0:00	2.519	79,383	0
4/7/2019 1:00	2.383	75,118	1
4/7/2019 2:00	2.418	76,210	2
4/7/2019 3:00	2.380	75,020	3
4/7/2019 4:00	2.438	76,852	4
4/7/2019 5:00	2.512	79,168	5
4/7/2019 6:00	2.623	82,669	6
4/7/2019 7:00	2.843	89,591	7
4/7/2019 8:00	2.911	91,747	8
4/7/2019 9:00	3.040	95,818	9
4/7/2019 10:00	2.986	94,113	10
4/7/2019 11:00	3.034	95,640	11
4/7/2019 12:00	3.116	98,200	12
4/7/2019 13:00	3.109	97,992	13
4/7/2019 14:00	3.071	96,797	14
4/7/2019 15:00	3.006	94,753	15
4/7/2019 16:00	2.985	94,084	16
4/7/2019 17:00	2.983	94,016	17
4/7/2019 18:00	2.951	93,013	18
4/7/2019 19:00	2.884	90,912	19
4/7/2019 20:00	2.888	91,026	20
4/7/2019 21:00	2.760	86,982	21
4/7/2019 22:00	2.630	82,882	22
4/7/2019 23:00	2.574	81,139	23
4/8/2019 0:00	2.542	80,125	0
4/8/2019 1:00	2.389	75,296	1
4/8/2019 2:00	2.409	75,917	2
4/8/2019 3:00	2.352	74,134	3
4/8/2019 4:00	2.411	75,982	4
4/8/2019 5:00	2.686	84,659	5
4/8/2019 6:00	3.213	101,280	6
4/8/2019 7:00	3.770	118,816	7
4/8/2019 8:00	4.370	137,724	8
4/8/2019 9:00	4.614	145,435	9
4/8/2019 10:00	4.861	153,219	10
4/8/2019 11:00	4.768	150,285	11
4/8/2019 12:00	4.816	151,782	12
4/8/2019 13:00	4.853	152,961	13

4/8/2019 14:00	4.704	148,266	14
4/8/2019 15:00	4.617	145,512	15
4/8/2019 16:00	4.130	130,179	16
4/8/2019 17:00	3.529	111,231	17
4/8/2019 18:00	3.260	102,754	18
4/8/2019 19:00	3.167	99,802	19
4/8/2019 20:00	3.104	97,845	20
4/8/2019 21:00	3.116	98,222	21
4/8/2019 22:00	2.889	91,049	22
4/8/2019 23:00	2.744	86,475	23
4/9/2019 0:00	2.662	83,910	0
4/9/2019 1:00	2.641	83,244	1
4/9/2019 2:00	2.541	80,090	2
4/9/2019 3:00	2.424	76,392	3
4/9/2019 4:00	2.528	79,662	4
4/9/2019 5:00	2.778	87,570	5
4/9/2019 6:00	3.406	107,344	6
4/9/2019 7:00	3.960	124,804	7
4/9/2019 8:00	4.581	144,382	8
4/9/2019 9:00	4.795	151,113	9
4/9/2019 10:00	4.828	152,161	10
4/9/2019 11:00	4.860	153,169	11
4/9/2019 12:00	4.968	156,581	12
4/9/2019 13:00	5.064	159,615	13
4/9/2019 14:00	5.060	159,469	14
4/9/2019 15:00	4.995	157,447	15
4/9/2019 16:00	4.534	142,895	16
4/9/2019 17:00	3.855	121,504	17
4/9/2019 18:00	3.521	110,985	18
4/9/2019 19:00	3.383	106,626	19
4/9/2019 20:00	3.248	102,355	20
4/9/2019 21:00	3.041	95,842	21
4/9/2019 22:00	2.821	88,896	22
4/9/2019 23:00	2.694	84,912	23
4/10/2019 0:00	2.554	80,494	0
4/10/2019 1:00	2.514	79,250	1
4/10/2019 2:00	2.488	78,414	2
4/10/2019 3:00	2.480	78,162	3
4/10/2019 4:00	2.565	80,853	4
4/10/2019 5:00	2.817	88,796	5
4/10/2019 6:00	3.504	110,439	6
4/10/2019 7:00	4.046	127,531	7
4/10/2019 8:00	4.795	151,137	8
4/10/2019 9:00	4.796	151,158	9
4/10/2019 10:00	4.780	150,661	10
4/10/2019 11:00	4.658	146,812	11
4/10/2019 12:00	4.860	153,187	12

4/10/2019 13:00	4.839	152,516	13
4/10/2019 14:00	4.813	151,690	14
4/10/2019 15:00	4.615	145,460	15
4/10/2019 16:00	4.102	129,275	16
4/10/2019 17:00	3.912	123,289	17
4/10/2019 18:00	3.726	117,441	18
4/10/2019 19:00	3.610	113,771	19
4/10/2019 20:00	3.399	107,134	20
4/10/2019 21:00	3.024	95,308	21
4/10/2019 22:00	2.841	89,533	22
4/10/2019 23:00	2.624	82,715	23
4/11/2019 0:00	2.458	77,475	0
4/11/2019 1:00	2.317	73,014	1
4/11/2019 2:00	2.305	72,634	2
4/11/2019 3:00	2.345	73,905	3
4/11/2019 4:00	2.443	77,007	4
4/11/2019 5:00	2.703	85,197	5
4/11/2019 6:00	3.388	106,771	6
4/11/2019 7:00	3.820	120,393	7
4/11/2019 8:00	4.364	137,543	8
4/11/2019 9:00	4.596	144,866	9
4/11/2019 10:00	4.616	145,474	10
4/11/2019 11:00	4.893	154,206	11
4/11/2019 12:00	5.109	161,022	12
4/11/2019 13:00	5.166	162,811	13
4/11/2019 14:00	5.197	163,813	14
4/11/2019 15:00	5.247	165,383	15
4/11/2019 16:00	4.670	147,203	16
4/11/2019 17:00	4.206	132,575	17
4/11/2019 18:00	3.900	122,911	18
4/11/2019 19:00	3.641	114,743	19
4/11/2019 20:00	3.587	113,052	20
4/11/2019 21:00	3.406	107,345	21
4/11/2019 22:00	3.065	96,602	22
4/11/2019 23:00	2.815	88,736	23
4/12/2019 0:00	2.674	84,287	0
4/12/2019 1:00	2.605	82,108	1
4/12/2019 2:00	2.673	84,244	2
4/12/2019 3:00	2.616	82,464	3
4/12/2019 4:00	2.727	85,940	4
4/12/2019 5:00	2.758	86,930	5
4/12/2019 6:00	3.325	104,797	6
4/12/2019 7:00	3.793	119,540	7
4/12/2019 8:00	4.354	137,241	8
4/12/2019 9:00	4.685	147,671	9
4/12/2019 10:00	4.738	149,345	10
4/12/2019 11:00	4.673	147,297	11

4/12/2019 12:00	4.664	146,990	12
4/12/2019 13:00	4.682	147,554	13
4/12/2019 14:00	4.623	145,696	14
4/12/2019 15:00	4.470	140,886	15
4/12/2019 16:00	4.090	128,896	16
4/12/2019 17:00	3.688	116,229	17
4/12/2019 18:00	3.371	106,232	18
4/12/2019 19:00	3.257	102,653	19
4/12/2019 20:00	3.243	102,211	20
4/12/2019 21:00	3.169	99,872	21
4/12/2019 22:00	3.035	95,654	22
4/12/2019 23:00	2.680	84,476	23
4/13/2019 0:00	2.482	78,217	0
4/13/2019 1:00	2.378	74,935	1
4/13/2019 2:00	2.254	71,029	2
4/13/2019 3:00	2.270	71,533	3
4/13/2019 4:00	2.318	73,054	4
4/13/2019 5:00	2.379	74,988	5
4/13/2019 6:00	2.580	81,310	6
4/13/2019 7:00	2.704	85,220	7
4/13/2019 8:00	2.710	85,400	8
4/13/2019 9:00	2.990	94,235	9
4/13/2019 10:00	3.043	95,918	10
4/13/2019 11:00	3.064	96,578	11
4/13/2019 12:00	3.139	98,939	12
4/13/2019 13:00	3.136	98,850	13
4/13/2019 14:00	3.025	95,338	14
4/13/2019 15:00	3.002	94,631	15
4/13/2019 16:00	2.908	91,666	16
4/13/2019 17:00	2.879	90,734	17
4/13/2019 18:00	2.782	87,673	18
4/13/2019 19:00	2.822	88,953	19
4/13/2019 20:00	2.857	90,044	20
4/13/2019 21:00	2.817	88,784	21
4/13/2019 22:00	2.595	81,796	22
4/13/2019 23:00	2.482	78,212	23
4/14/2019 0:00	2.411	75,992	0
4/14/2019 1:00	2.325	73,270	1
4/14/2019 2:00	2.268	71,474	2
4/14/2019 3:00	2.271	71,593	3
4/14/2019 4:00	2.278	71,793	4
4/14/2019 5:00	2.212	69,710	5
4/14/2019 6:00	2.377	74,931	6
4/14/2019 7:00	2.423	76,382	7
4/14/2019 8:00	2.687	84,702	8
4/14/2019 9:00	2.767	87,216	9
4/14/2019 10:00	3.103	97,787	10



4/14/2019 11:00	3.018	95,135	11
4/14/2019 12:00	2.925	92,189	12
4/14/2019 13:00	3.075	96,907	13
4/14/2019 14:00	3.131	98,667	14
4/14/2019 15:00	3.204	100,995	15
4/14/2019 16:00	3.146	99,166	16
4/14/2019 17:00	3.011	94,905	17
4/14/2019 18:00	2.930	92,345	18
4/14/2019 19:00	2.886	90,973	19
4/14/2019 20:00	2.885	90,941	20
4/14/2019 21:00	2.802	88,323	21
4/14/2019 22:00	2.611	82,308	22
4/14/2019 23:00	2.476	78,041	23
4/15/2019 0:00	2.296	72,362	0
4/15/2019 1:00	2.300	72,483	1
4/15/2019 2:00	2.322	73,192	2
4/15/2019 3:00	2.336	73,630	3
4/15/2019 4:00	2.466	77,709	4
4/15/2019 5:00	2.810	88,566	5
4/15/2019 6:00	3.215	101,326	6
4/15/2019 7:00	3.938	124,129	7
4/15/2019 8:00	4.602	145,041	8
4/15/2019 9:00	4.901	154,471	9
4/15/2019 10:00	4.932	155,450	10
4/15/2019 11:00	4.882	153,886	11
4/15/2019 12:00	4.849	152,820	12
4/15/2019 13:00	4.679	147,471	13
4/15/2019 14:00	4.705	148,300	14
4/15/2019 15:00	4.529	142,732	15
4/15/2019 16:00	4.067	128,190	16
4/15/2019 17:00	3.535	111,407	17
4/15/2019 18:00	3.295	103,841	18
4/15/2019 19:00	3.205	101,013	19
4/15/2019 20:00	3.336	105,158	20
4/15/2019 21:00	3.369	106,184	21
4/15/2019 22:00	3.279	103,357	22
4/15/2019 23:00	3.069	96,735	23
4/16/2019 0:00	3.026	95,369	0
4/16/2019 1:00	2.989	94,215	1
4/16/2019 2:00	2.952	93,048	2
4/16/2019 3:00	2.934	92,461	3
4/16/2019 4:00	3.271	103,100	4
4/16/2019 5:00	3.561	112,229	5
4/16/2019 6:00	4.021	126,742	6
4/16/2019 7:00	4.878	153,759	7
4/16/2019 8:00	5.526	174,171	8
4/16/2019 9:00	5.362	168,991	9

4/16/2019 10:00	5.123	161,472	10
4/16/2019 11:00	4.831	152,255	11
4/16/2019 12:00	4.909	154,718	12
4/16/2019 13:00	4.799	151,239	13
4/16/2019 14:00	4.818	151,853	14
4/16/2019 15:00	4.632	145,982	15
4/16/2019 16:00	4.259	134,244	16
4/16/2019 17:00	3.738	117,819	17
4/16/2019 18:00	3.631	114,439	18
4/16/2019 19:00	3.458	108,994	19
4/16/2019 20:00	3.307	104,229	20
4/16/2019 21:00	3.083	97,155	21
4/16/2019 22:00	2.775	87,455	22
4/16/2019 23:00	2.598	81,876	23
4/17/2019 0:00	2.424	76,398	0
4/17/2019 1:00	2.282	71,930	1
4/17/2019 2:00	2.251	70,958	2
4/17/2019 3:00	2.298	72,424	3
4/17/2019 4:00	2.504	78,908	4
4/17/2019 5:00	2.789	87,892	5
4/17/2019 6:00	3.455	108,906	6
4/17/2019 7:00	3.841	121,073	7
4/17/2019 8:00	4.285	135,064	8
4/17/2019 9:00	4.396	138,547	9
4/17/2019 10:00	4.571	144,055	10
4/17/2019 11:00	4.681	147,522	11
4/17/2019 12:00	4.820	151,927	12
4/17/2019 13:00	4.858	153,103	13
4/17/2019 14:00	4.987	157,190	14
4/17/2019 15:00	4.683	147,585	15
4/17/2019 16:00	4.271	134,614	16
4/17/2019 17:00	3.810	120,097	17
4/17/2019 18:00	3.664	115,476	18
4/17/2019 19:00	3.571	112,544	19
4/17/2019 20:00	3.369	106,188	20
4/17/2019 21:00	3.070	96,766	21
4/17/2019 22:00	2.808	88,515	22
4/17/2019 23:00	2.614	82,401	23
4/18/2019 0:00	2.491	78,501	0
4/18/2019 1:00	2.468	77,783	1
4/18/2019 2:00	2.475	78,005	2
4/18/2019 3:00	2.403	75,744	3
4/18/2019 4:00	2.467	77,770	4
4/18/2019 5:00	2.635	83,041	5
4/18/2019 6:00	3.095	97,540	6
4/18/2019 7:00	3.633	114,520	7
4/18/2019 8:00	4.141	130,530	8

4/18/2019 9:00	4.461	140,607	9
4/18/2019 10:00	4.644	146,360	10
4/18/2019 11:00	4.817	151,835	11
4/18/2019 12:00	5.057	159,379	12
4/18/2019 13:00	5.358	168,869	13
4/18/2019 14:00	5.293	166,834	14
4/18/2019 15:00	5.234	164,955	15
4/18/2019 16:00	4.774	150,470	16
4/18/2019 17:00	4.204	132,505	17
4/18/2019 18:00	3.752	118,252	18
4/18/2019 19:00	3.599	113,443	19
4/18/2019 20:00	3.487	109,912	20
4/18/2019 21:00	3.259	102,710	21
4/18/2019 22:00	3.003	94,653	22
4/18/2019 23:00	2.738	86,282	23
4/19/2019 0:00	2.716	85,610	0
4/19/2019 1:00	2.653	83,616	1
4/19/2019 2:00	2.618	82,518	2
4/19/2019 3:00	2.603	82,025	3
4/19/2019 4:00	2.611	82,293	4
4/19/2019 5:00	2.696	84,985	5
4/19/2019 6:00	3.042	95,869	6
4/19/2019 7:00	3.369	106,176	7
4/19/2019 8:00	4.002	126,130	8
4/19/2019 9:00	4.313	135,946	9
4/19/2019 10:00	4.327	136,365	10
4/19/2019 11:00	4.361	137,465	11
4/19/2019 12:00	4.355	137,264	12
4/19/2019 13:00	4.105	129,380	13
4/19/2019 14:00	4.025	126,852	14
4/19/2019 15:00	3.973	125,219	15
4/19/2019 16:00	3.660	115,356	16
4/19/2019 17:00	3.430	108,091	17
4/19/2019 18:00	3.256	102,629	18
4/19/2019 19:00	3.101	97,749	19
4/19/2019 20:00	3.122	98,390	20
4/19/2019 21:00	3.090	97,400	21
4/19/2019 22:00	2.833	89,285	22
4/19/2019 23:00	2.649	83,505	23
4/20/2019 0:00	2.597	81,857	0
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4/20/2019 2:00	2.445	77,062	2
4/20/2019 3:00	2.340	73,738	3
4/20/2019 4:00	2.373	74,807	4
4/20/2019 5:00	2.452	77,294	5
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4/20/2019 7:00	2.517	79,341	7

4/20/2019 8:00	2.819	88,849	8
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4/20/2019 10:00	2.954	93,112	10
4/20/2019 11:00	2.992	94,306	11
4/20/2019 12:00	3.081	97,106	12
4/20/2019 13:00	3.061	96,475	13
4/20/2019 14:00	2.949	92,933	14
4/20/2019 15:00	2.997	94,473	15
4/20/2019 16:00	2.842	89,575	16
4/20/2019 17:00	2.707	85,317	17
4/20/2019 18:00	2.628	82,830	18
4/20/2019 19:00	2.782	87,678	19
4/20/2019 20:00	2.883	90,854	20
4/20/2019 21:00	2.757	86,889	21
4/20/2019 22:00	2.675	84,308	22
4/20/2019 23:00	2.544	80,167	23
4/21/2019 0:00	2.400	75,649	0
4/21/2019 1:00	2.337	73,669	1
4/21/2019 2:00	2.398	75,578	2
4/21/2019 3:00	2.411	76,004	3
4/21/2019 4:00	2.448	77,161	4
4/21/2019 5:00	2.563	80,792	5
4/21/2019 6:00	2.654	83,644	6
4/21/2019 7:00	2.806	88,441	7
4/21/2019 8:00	3.033	95,587	8
4/21/2019 9:00	2.969	93,574	9
4/21/2019 10:00	2.905	91,553	10
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4/21/2019 12:00	2.644	83,347	12
4/21/2019 13:00	2.725	85,891	13
4/21/2019 14:00	2.578	81,251	14
4/21/2019 15:00	2.624	82,712	15
4/21/2019 16:00	2.567	80,914	16
4/21/2019 17:00	2.672	84,223	17
4/21/2019 18:00	2.729	86,019	18
4/21/2019 19:00	2.745	86,506	19
4/21/2019 20:00	2.792	87,987	20
4/21/2019 21:00	2.802	88,326	21
4/21/2019 22:00	2.589	81,591	22
4/21/2019 23:00	2.511	79,130	23
4/22/2019 0:00	2.437	76,805	0
4/22/2019 1:00	2.433	76,696	1
4/22/2019 2:00	2.379	74,969	2
4/22/2019 3:00	2.495	78,641	3
4/22/2019 4:00	2.498	78,747	4
4/22/2019 5:00	2.923	92,130	5
4/22/2019 6:00	3.631	114,441	6

4/22/2019 7:00	4.265	134,414	7
4/22/2019 8:00	4.956	156,214	8
4/22/2019 9:00	4.973	156,738	9
4/22/2019 10:00	5.065	159,648	10
4/22/2019 11:00	4.758	149,977	11
4/22/2019 12:00	4.906	154,616	12
4/22/2019 13:00	4.819	151,897	13
4/22/2019 14:00	4.989	157,230	14
4/22/2019 15:00	4.854	152,978	15
4/22/2019 16:00	4.515	142,300	16
4/22/2019 17:00	4.005	126,230	17
4/22/2019 18:00	3.674	115,784	18
4/22/2019 19:00	3.487	109,905	19
4/22/2019 20:00	3.251	102,456	20
4/22/2019 21:00	3.199	100,824	21
4/22/2019 22:00	2.955	93,137	22
4/22/2019 23:00	2.703	85,196	23
4/23/2019 0:00	2.627	82,787	0
4/23/2019 1:00	2.540	80,050	1
4/23/2019 2:00	2.443	76,994	2
4/23/2019 3:00	2.523	79,525	3
4/23/2019 4:00	2.581	81,350	4
4/23/2019 5:00	2.718	85,668	5
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4/23/2019 7:00	3.871	122,002	7
4/23/2019 8:00	4.653	146,637	8
4/23/2019 9:00	4.748	149,648	9
4/23/2019 10:00	4.846	152,737	10
4/23/2019 11:00	4.978	156,883	11
4/23/2019 12:00	5.090	160,440	12
4/23/2019 13:00	5.283	166,512	13
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4/23/2019 15:00	5.242	165,219	15
4/23/2019 16:00	4.926	155,255	16
4/23/2019 17:00	4.378	137,976	17
4/23/2019 18:00	3.761	118,551	18
4/23/2019 19:00	3.492	110,052	19
4/23/2019 20:00	3.330	104,957	20
4/23/2019 21:00	3.131	98,694	21
4/23/2019 22:00	2.894	91,218	22
4/23/2019 23:00	2.762	87,059	23
4/24/2019 0:00	2.594	81,756	0
4/24/2019 1:00	2.509	79,084	1
4/24/2019 2:00	2.534	79,864	2
4/24/2019 3:00	2.566	80,865	3
4/24/2019 4:00	2.516	79,311	4
4/24/2019 5:00	2.847	89,741	5

4/24/2019 6:00	3.384	106,647	6
4/24/2019 7:00	4.020	126,693	7
4/24/2019 8:00	4.565	143,870	8
4/24/2019 9:00	4.643	146,343	9
4/24/2019 10:00	4.984	157,072	10
4/24/2019 11:00	5.063	159,560	11
4/24/2019 12:00	5.252	165,531	12
4/24/2019 13:00	5.219	164,492	13
4/24/2019 14:00	5.196	163,760	14
4/24/2019 15:00	5.179	163,244	15
4/24/2019 16:00	4.909	154,706	16
4/24/2019 17:00	4.523	142,543	17
4/24/2019 18:00	4.107	129,445	18
4/24/2019 19:00	3.785	119,310	19
4/24/2019 20:00	3.511	110,671	20
4/24/2019 21:00	3.199	100,815	21
4/24/2019 22:00	2.864	90,280	22
4/24/2019 23:00	2.665	83,993	23
4/25/2019 0:00	2.461	77,560	0
4/25/2019 1:00	2.354	74,206	1
4/25/2019 2:00	2.275	71,692	2
4/25/2019 3:00	2.335	73,599	3
4/25/2019 4:00	2.547	80,290	4
4/25/2019 5:00	2.824	89,016	5
4/25/2019 6:00	3.518	110,878	6
4/25/2019 7:00	4.004	126,185	7
4/25/2019 8:00	4.716	148,652	8
4/25/2019 9:00	4.924	155,205	9
4/25/2019 10:00	5.068	159,745	10
4/25/2019 11:00	5.303	167,148	11
4/25/2019 12:00	5.457	171,983	12
4/25/2019 13:00	5.615	176,960	13
4/25/2019 14:00	5.538	174,551	14
4/25/2019 15:00	5.336	168,183	15
4/25/2019 16:00	4.995	157,428	16
4/25/2019 17:00	4.199	132,341	17
4/25/2019 18:00	3.625	114,261	18
4/25/2019 19:00	3.239	102,072	19
4/25/2019 20:00	3.270	103,051	20
4/25/2019 21:00	3.165	99,742	21
4/25/2019 22:00	2.857	90,058	22
4/25/2019 23:00	2.726	85,922	23
4/26/2019 0:00	2.621	82,603	0
4/26/2019 1:00	2.521	79,469	1
4/26/2019 2:00	2.496	78,655	2
4/26/2019 3:00	2.390	75,330	3
4/26/2019 4:00	2.428	76,512	4

4/26/2019 5:00	2.611	82,280	5
4/26/2019 6:00	3.106	97,901	6
4/26/2019 7:00	3.614	113,911	7
4/26/2019 8:00	4.204	132,493	8
4/26/2019 9:00	4.410	138,993	9
4/26/2019 10:00	4.397	138,580	10
4/26/2019 11:00	4.431	139,651	11
4/26/2019 12:00	4.390	138,350	12
4/26/2019 13:00	4.342	136,852	13
4/26/2019 14:00	4.308	135,770	14
4/26/2019 15:00	4.091	128,953	15
4/26/2019 16:00	3.662	115,410	16
4/26/2019 17:00	3.341	105,300	17
4/26/2019 18:00	3.105	97,875	18
4/26/2019 19:00	2.929	92,315	19
4/26/2019 20:00	2.948	92,921	20
4/26/2019 21:00	2.883	90,861	21
4/26/2019 22:00	2.757	86,890	22
4/26/2019 23:00	2.692	84,850	23
4/27/2019 0:00	2.555	80,523	0
4/27/2019 1:00	2.498	78,741	1
4/27/2019 2:00	2.485	78,312	2
4/27/2019 3:00	2.365	74,550	3
4/27/2019 4:00	2.465	77,692	4
4/27/2019 5:00	2.540	80,055	5
4/27/2019 6:00	2.676	84,342	6
4/27/2019 7:00	2.814	88,676	7
4/27/2019 8:00	3.077	96,987	8
4/27/2019 9:00	3.127	98,543	9
4/27/2019 10:00	3.254	102,574	10
4/27/2019 11:00	3.264	102,880	11
4/27/2019 12:00	3.233	101,910	12
4/27/2019 13:00	3.304	104,134	13
4/27/2019 14:00	3.215	101,319	14
4/27/2019 15:00	3.136	98,852	15
4/27/2019 16:00	2.899	91,365	16
4/27/2019 17:00	2.920	92,018	17
4/27/2019 18:00	2.925	92,195	18
4/27/2019 19:00	2.914	91,854	19
4/27/2019 20:00	2.872	90,506	20
4/27/2019 21:00	2.840	89,500	21
4/27/2019 22:00	2.695	84,926	22
4/27/2019 23:00	2.564	80,799	23
4/28/2019 0:00	2.471	77,879	0
4/28/2019 1:00	2.342	73,801	1
4/28/2019 2:00	2.350	74,068	2
4/28/2019 3:00	2.329	73,393	3

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4/28/2019 5:00	2.388	75,263	5
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4/28/2019 7:00	2.526	79,599	7
4/28/2019 8:00	2.751	86,709	8
4/28/2019 9:00	2.904	91,532	9
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4/28/2019 11:00	2.944	92,781	11
4/28/2019 12:00	2.958	93,227	12
4/28/2019 13:00	2.933	92,444	13
4/28/2019 14:00	2.969	93,579	14
4/28/2019 15:00	2.918	91,975	15
4/28/2019 16:00	2.923	92,123	16
4/28/2019 17:00	2.934	92,477	17
4/28/2019 18:00	2.888	91,013	18
4/28/2019 19:00	2.836	89,393	19
4/28/2019 20:00	2.780	87,622	20
4/28/2019 21:00	2.802	88,328	21
4/28/2019 22:00	2.499	78,751	22
4/28/2019 23:00	2.377	74,911	23
4/29/2019 0:00	2.226	70,155	0
4/29/2019 1:00	2.278	71,813	1
4/29/2019 2:00	2.234	70,413	2
4/29/2019 3:00	2.378	74,944	3
4/29/2019 4:00	2.513	79,194	4
4/29/2019 5:00	2.735	86,207	5
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4/29/2019 7:00	3.920	123,565	7
4/29/2019 8:00	4.542	143,139	8
4/29/2019 9:00	4.739	149,354	9
4/29/2019 10:00	4.872	153,546	10
4/29/2019 11:00	5.117	161,263	11
4/29/2019 12:00	5.317	167,596	12
4/29/2019 13:00	5.427	171,057	13
4/29/2019 14:00	5.350	168,614	14
4/29/2019 15:00	5.180	163,253	15
4/29/2019 16:00	4.756	149,902	16
4/29/2019 17:00	4.275	134,746	17
4/29/2019 18:00	3.887	122,495	18
4/29/2019 19:00	3.688	116,252	19
4/29/2019 20:00	3.582	112,906	20
4/29/2019 21:00	3.351	105,625	21
4/29/2019 22:00	3.043	95,906	22
4/29/2019 23:00	2.809	88,521	23
4/30/2019 0:00	2.615	82,408	0
4/30/2019 1:00	2.478	78,115	1
4/30/2019 2:00	2.430	76,602	2



4/30/2019 3:00	2.529	79,697	3
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4/30/2019 7:00	3.835	120,863	7
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4/30/2019 10:00	4.998	157,520	10
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4/30/2019 13:00	5.646	177,965	13
4/30/2019 14:00	5.743	181,014	14
4/30/2019 15:00	5.759	181,501	15
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4/30/2019 17:00	4.703	148,218	17
4/30/2019 18:00	4.200	132,364	18
4/30/2019 19:00	3.846	121,211	19
4/30/2019 20:00	3.610	113,788	20
4/30/2019 21:00	3.283	103,478	21
4/30/2019 22:00	3.032	95,552	22
4/30/2019 23:00	2.743	86,461	23
5/1/2019 0:00	2.277	71,777	0
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5/1/2019 2:00	2.153	67,855	2
5/1/2019 3:00	2.202	69,407	3
5/1/2019 4:00	2.209	69,637	4
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5/1/2019 15:00	5.171	162,988	15
5/1/2019 16:00	4.590	144,653	16
5/1/2019 17:00	4.220	133,011	17
5/1/2019 18:00	3.901	122,967	18
5/1/2019 19:00	3.656	115,226	19
5/1/2019 20:00	3.387	106,755	20
5/1/2019 21:00	3.133	98,735	21
5/1/2019 22:00	2.857	90,053	22
5/1/2019 23:00	2.573	81,097	23
5/2/2019 0:00	2.390	75,325	0
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5/2/2019 5:00	2.638	83,145	5
5/2/2019 6:00	3.060	96,437	6
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5/2/2019 9:00	4.617	145,511	9
5/2/2019 10:00	5.002	157,668	10
5/2/2019 11:00	5.162	162,695	11
5/2/2019 12:00	5.366	169,140	12
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5/2/2019 18:00	3.494	110,128	18
5/2/2019 19:00	3.226	101,677	19
5/2/2019 20:00	3.094	97,508	20
5/2/2019 21:00	3.005	94,726	21
5/2/2019 22:00	2.688	84,717	22
5/2/2019 23:00	2.463	77,619	23
5/3/2019 0:00	2.366	74,560	0
5/3/2019 1:00	2.321	73,149	1
5/3/2019 2:00	2.304	72,631	2
5/3/2019 3:00	2.262	71,278	3
5/3/2019 4:00	2.264	71,371	4
5/3/2019 5:00	2.502	78,859	5
5/3/2019 6:00	2.735	86,211	6
5/3/2019 7:00	3.151	99,314	7
5/3/2019 8:00	3.861	121,688	8
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5/3/2019 12:00	4.686	147,680	12
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5/3/2019 14:00	4.487	141,407	14
5/3/2019 15:00	4.429	139,603	15
5/3/2019 16:00	3.984	125,553	16
5/3/2019 17:00	3.540	111,558	17
5/3/2019 18:00	3.299	103,971	18
5/3/2019 19:00	3.156	99,458	19
5/3/2019 20:00	2.938	92,613	20
5/3/2019 21:00	2.907	91,611	21
5/3/2019 22:00	2.671	84,176	22
5/3/2019 23:00	2.459	77,510	23
5/4/2019 0:00	2.367	74,615	0

5/4/2019 1:00	2.285	72,027	1
5/4/2019 2:00	2.257	71,136	2
5/4/2019 3:00	2.158	68,031	3
5/4/2019 4:00	2.190	69,011	4
5/4/2019 5:00	2.148	67,693	5
5/4/2019 6:00	2.248	70,859	6
5/4/2019 7:00	2.355	74,234	7
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5/4/2019 10:00	3.010	94,874	10
5/4/2019 11:00	3.137	98,864	11
5/4/2019 12:00	3.184	100,359	12
5/4/2019 13:00	3.214	101,305	13
5/4/2019 14:00	3.170	99,903	14
5/4/2019 15:00	3.104	97,830	15
5/4/2019 16:00	3.011	94,886	16
5/4/2019 17:00	2.853	89,919	17
5/4/2019 18:00	2.751	86,695	18
5/4/2019 19:00	2.728	85,978	19
5/4/2019 20:00	2.790	87,934	20
5/4/2019 21:00	2.717	85,638	21
5/4/2019 22:00	2.559	80,670	22
5/4/2019 23:00	2.372	74,769	23
5/5/2019 0:00	2.203	69,421	0
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5/5/2019 2:00	2.097	66,079	2
5/5/2019 3:00	2.084	65,686	3
5/5/2019 4:00	2.089	65,844	4
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5/5/2019 9:00	2.393	75,433	9
5/5/2019 10:00	2.540	80,056	10
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5/5/2019 12:00	2.628	82,816	12
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5/5/2019 18:00	2.482	78,234	18
5/5/2019 19:00	2.469	77,804	19
5/5/2019 20:00	2.425	76,424	20
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5/5/2019 22:00	2.267	71,448	22
5/5/2019 23:00	2.175	68,560	23

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5/6/2019 3:00	1.986	62,595	3
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5/6/2019 12:00	4.374	137,865	12
5/6/2019 13:00	4.340	136,781	13
5/6/2019 14:00	4.376	137,935	14
5/6/2019 15:00	4.331	136,509	15
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5/6/2019 17:00	3.474	109,489	17
5/6/2019 18:00	3.210	101,165	18
5/6/2019 19:00	2.998	94,479	19
5/6/2019 20:00	2.860	90,149	20
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5/6/2019 22:00	2.472	77,906	22
5/6/2019 23:00	2.309	72,788	23
5/7/2019 0:00	2.201	69,369	0
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5/7/2019 3:00	2.067	65,137	3
5/7/2019 4:00	2.045	64,449	4
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5/7/2019 8:00	3.911	123,253	8
5/7/2019 9:00	4.191	132,084	9
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5/7/2019 12:00	4.659	146,856	12
5/7/2019 13:00	4.792	151,028	13
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5/7/2019 17:00	3.966	125,005	17
5/7/2019 18:00	3.589	113,111	18
5/7/2019 19:00	3.267	102,970	19
5/7/2019 20:00	3.119	98,296	20
5/7/2019 21:00	2.911	91,756	21
5/7/2019 22:00	2.675	84,296	22

5/7/2019 23:00	2.504	78,907	23
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5/8/2019 3:00	2.035	64,132	3
5/8/2019 4:00	2.157	67,980	4
5/8/2019 5:00	2.554	80,482	5
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5/8/2019 7:00	3.330	104,941	7
5/8/2019 8:00	4.064	128,103	8
5/8/2019 9:00	4.356	137,280	9
5/8/2019 10:00	4.617	145,512	10
5/8/2019 11:00	4.846	152,749	11
5/8/2019 12:00	4.973	156,740	12
5/8/2019 13:00	5.152	162,387	13
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5/8/2019 15:00	5.220	164,532	15
5/8/2019 16:00	4.707	148,370	16
5/8/2019 17:00	4.323	136,241	17
5/8/2019 18:00	4.037	127,246	18
5/8/2019 19:00	3.744	117,994	19
5/8/2019 20:00	3.377	106,426	20
5/8/2019 21:00	3.144	99,077	21
5/8/2019 22:00	2.887	90,982	22
5/8/2019 23:00	2.647	83,442	23
5/9/2019 0:00	2.347	73,982	0
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5/9/2019 2:00	2.211	69,683	2
5/9/2019 3:00	2.215	69,807	3
5/9/2019 4:00	2.335	73,579	4
5/9/2019 5:00	2.569	80,958	5
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5/9/2019 7:00	3.510	110,634	7
5/9/2019 8:00	4.174	131,556	8
5/9/2019 9:00	4.640	146,247	9
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5/9/2019 11:00	5.130	161,695	11
5/9/2019 12:00	5.186	163,451	12
5/9/2019 13:00	5.232	164,898	13
5/9/2019 14:00	5.072	159,853	14
5/9/2019 15:00	4.875	153,652	15
5/9/2019 16:00	4.325	136,302	16
5/9/2019 17:00	3.800	119,753	17
5/9/2019 18:00	3.457	108,951	18
5/9/2019 19:00	3.163	99,703	19
5/9/2019 20:00	3.180	100,234	20
5/9/2019 21:00	3.004	94,694	21

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5/9/2019 23:00	2.571	81,037	23
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5/10/2019 2:00	2.354	74,206	2
5/10/2019 3:00	2.269	71,513	3
5/10/2019 4:00	2.411	75,978	4
5/10/2019 5:00	2.519	79,400	5
5/10/2019 6:00	2.954	93,107	6
5/10/2019 7:00	3.469	109,327	7
5/10/2019 8:00	4.060	127,958	8
5/10/2019 9:00	4.429	139,599	9
5/10/2019 10:00	4.656	146,750	10
5/10/2019 11:00	4.704	148,245	11
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5/10/2019 13:00	4.972	156,694	13
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5/10/2019 15:00	4.873	153,587	15
5/10/2019 16:00	4.355	137,264	16
5/10/2019 17:00	3.906	123,094	17
5/10/2019 18:00	3.548	111,811	18
5/10/2019 19:00	3.313	104,414	19
5/10/2019 20:00	3.120	98,346	20
5/10/2019 21:00	3.028	95,444	21
5/10/2019 22:00	2.806	88,448	22
5/10/2019 23:00	2.565	80,829	23
5/11/2019 0:00	2.449	77,187	0
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5/11/2019 2:00	2.301	72,525	2
5/11/2019 3:00	2.220	69,971	3
5/11/2019 4:00	2.081	65,592	4
5/11/2019 5:00	2.115	66,667	5
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5/11/2019 7:00	2.299	72,470	7
5/11/2019 8:00	2.542	80,132	8
5/11/2019 9:00	2.777	87,521	9
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5/11/2019 11:00	2.906	91,603	11
5/11/2019 12:00	2.943	92,748	12
5/11/2019 13:00	2.912	91,773	13
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5/11/2019 15:00	2.727	85,946	15
5/11/2019 16:00	2.644	83,348	16
5/11/2019 17:00	2.491	78,512	17
5/11/2019 18:00	2.474	77,987	18
5/11/2019 19:00	2.590	81,646	19
5/11/2019 20:00	2.583	81,395	20

5/11/2019 21:00	2.581	81,338	21
5/11/2019 22:00	2.438	76,848	22
5/11/2019 23:00	2.316	73,009	23
5/12/2019 0:00	2.195	69,187	0
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5/12/2019 4:00	2.112	66,576	4
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5/12/2019 8:00	2.401	75,688	8
5/12/2019 9:00	2.519	79,398	9
5/12/2019 10:00	2.662	83,886	10
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5/12/2019 12:00	2.621	82,595	12
5/12/2019 13:00	2.697	84,999	13
5/12/2019 14:00	2.748	86,625	14
5/12/2019 15:00	2.774	87,431	15
5/12/2019 16:00	2.738	86,302	16
5/12/2019 17:00	2.665	84,006	17
5/12/2019 18:00	2.677	84,369	18
5/12/2019 19:00	2.571	81,023	19
5/12/2019 20:00	2.522	79,489	20
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5/12/2019 22:00	2.242	70,670	22
5/12/2019 23:00	2.170	68,384	23
5/13/2019 0:00	2.086	65,759	0
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5/13/2019 2:00	2.146	67,650	2
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5/13/2019 4:00	2.119	66,802	4
5/13/2019 5:00	2.372	74,746	5
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5/13/2019 8:00	3.920	123,558	8
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5/13/2019 10:00	4.212	132,767	10
5/13/2019 11:00	4.221	133,043	11
5/13/2019 12:00	4.182	131,796	12
5/13/2019 13:00	4.150	130,787	13
5/13/2019 14:00	3.903	123,011	14
5/13/2019 15:00	3.832	120,789	15
5/13/2019 16:00	3.554	112,015	16
5/13/2019 17:00	3.113	98,118	17
5/13/2019 18:00	2.777	87,529	18
5/13/2019 19:00	2.624	82,692	19

5/13/2019 20:00	2.658	83,766	20
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5/13/2019 22:00	2.379	74,975	22
5/13/2019 23:00	2.232	70,337	23
5/14/2019 0:00	2.185	68,877	0
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5/14/2019 2:00	2.161	68,117	2
5/14/2019 3:00	2.040	64,298	3
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5/14/2019 5:00	2.546	80,249	5
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5/14/2019 8:00	3.854	121,475	8
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5/14/2019 12:00	4.253	134,043	12
5/14/2019 13:00	4.260	134,265	13
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5/14/2019 15:00	4.167	131,346	15
5/14/2019 16:00	3.648	114,983	16
5/14/2019 17:00	3.327	104,865	17
5/14/2019 18:00	2.936	92,531	18
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5/14/2019 20:00	2.719	85,697	20
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5/14/2019 22:00	2.419	76,240	22
5/14/2019 23:00	2.209	69,614	23
5/15/2019 0:00	2.186	68,885	0
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5/15/2019 14:00	4.280	134,904	14
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5/15/2019 17:00	3.412	107,536	17
5/15/2019 18:00	3.178	100,160	18



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5/15/2019 22:00	2.444	77,019	22
5/15/2019 23:00	2.266	71,416	23
5/16/2019 0:00	2.192	69,086	0
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5/16/2019 2:00	2.012	63,415	2
5/16/2019 3:00	2.024	63,782	3
5/16/2019 4:00	2.121	66,857	4
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5/16/2019 8:00	3.924	123,666	8
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5/16/2019 10:00	4.372	137,795	10
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5/16/2019 12:00	4.642	146,322	12
5/16/2019 13:00	4.647	146,461	13
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5/16/2019 15:00	4.460	140,569	15
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5/16/2019 17:00	3.693	116,383	17
5/16/2019 18:00	3.382	106,594	18
5/16/2019 19:00	3.277	103,296	19
5/16/2019 20:00	3.040	95,805	20
5/16/2019 21:00	2.845	89,677	21
5/16/2019 22:00	2.643	83,294	22
5/16/2019 23:00	2.419	76,248	23
5/17/2019 0:00	2.270	71,547	0
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5/17/2019 3:00	2.241	70,641	3
5/17/2019 4:00	2.296	72,372	4
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5/17/2019 14:00	5.066	159,669	14
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5/17/2019 17:00	4.279	134,879	17

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5/17/2019 22:00	2.922	92,096	22
5/17/2019 23:00	2.689	84,754	23
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5/18/2019 3:00	2.178	68,658	3
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5/18/2019 16:00	3.871	121,999	16
5/18/2019 17:00	3.797	119,667	17
5/18/2019 18:00	3.657	115,276	18
5/18/2019 19:00	3.494	110,108	19
5/18/2019 20:00	3.458	108,999	20
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5/18/2019 22:00	3.001	94,590	22
5/18/2019 23:00	2.727	85,947	23
5/19/2019 0:00	2.568	80,929	0
5/19/2019 1:00	2.466	77,725	1
5/19/2019 2:00	2.361	74,419	2
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5/19/2019 14:00	3.818	120,326	14
5/19/2019 15:00	3.736	117,765	15
5/19/2019 16:00	3.844	121,160	16

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5/19/2019 18:00	3.711	116,958	18
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5/19/2019 20:00	3.277	103,297	20
5/19/2019 21:00	3.110	98,016	21
5/19/2019 22:00	2.869	90,433	22
5/19/2019 23:00	2.716	85,613	23
5/20/2019 0:00	2.612	82,320	0
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5/20/2019 2:00	2.435	76,733	2
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5/20/2019 12:00	5.154	162,442	12
5/20/2019 13:00	5.166	162,822	13
5/20/2019 14:00	5.036	158,734	14
5/20/2019 15:00	5.058	159,422	15
5/20/2019 16:00	4.807	151,514	16
5/20/2019 17:00	4.420	139,302	17
5/20/2019 18:00	3.965	124,959	18
5/20/2019 19:00	3.716	117,127	19
5/20/2019 20:00	3.384	106,666	20
5/20/2019 21:00	3.089	97,351	21
5/20/2019 22:00	2.784	87,759	22
5/20/2019 23:00	2.619	82,549	23
5/21/2019 0:00	2.471	77,872	0
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5/21/2019 2:00	2.283	71,941	2
5/21/2019 3:00	2.298	72,434	3
5/21/2019 4:00	2.409	75,939	4
5/21/2019 5:00	2.584	81,456	5
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5/21/2019 7:00	3.139	98,947	7
5/21/2019 8:00	3.553	111,978	8
5/21/2019 9:00	3.912	123,312	9
5/21/2019 10:00	4.134	130,296	10
5/21/2019 11:00	4.249	133,930	11
5/21/2019 12:00	4.383	138,133	12
5/21/2019 13:00	4.428	139,561	13
5/21/2019 14:00	4.358	137,339	14
5/21/2019 15:00	4.504	141,962	15

5/21/2019 16:00	4.172	131,486	16
5/21/2019 17:00	3.789	119,435	17
5/21/2019 18:00	3.521	110,985	18
5/21/2019 19:00	3.324	104,766	19
5/21/2019 20:00	3.101	97,726	20
5/21/2019 21:00	2.899	91,373	21
5/21/2019 22:00	2.717	85,646	22
5/21/2019 23:00	2.533	79,846	23
5/22/2019 0:00	2.398	75,578	0
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5/22/2019 3:00	2.205	69,497	3
5/22/2019 4:00	2.293	72,275	4
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5/22/2019 8:00	4.137	130,389	8
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5/22/2019 12:00	5.351	168,647	12
5/22/2019 13:00	5.570	175,554	13
5/22/2019 14:00	5.540	174,596	14
5/22/2019 15:00	5.535	174,460	15
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5/22/2019 17:00	4.649	146,533	17
5/22/2019 18:00	4.269	134,540	18
5/22/2019 19:00	4.154	130,923	19
5/22/2019 20:00	3.754	118,317	20
5/22/2019 21:00	3.496	110,191	21
5/22/2019 22:00	3.145	99,129	22
5/22/2019 23:00	2.861	90,166	23
5/23/2019 0:00	2.687	84,692	0
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5/23/2019 3:00	2.378	74,934	3
5/23/2019 4:00	2.520	79,426	4
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5/23/2019 7:00	3.596	113,349	7
5/23/2019 8:00	4.239	133,603	8
5/23/2019 9:00	4.702	148,190	9
5/23/2019 10:00	5.031	158,557	10
5/23/2019 11:00	5.098	160,684	11
5/23/2019 12:00	5.155	162,484	12
5/23/2019 13:00	5.140	161,999	13
5/23/2019 14:00	5.389	169,851	14

5/23/2019 15:00	5.404	170,308	15
5/23/2019 16:00	5.115	161,223	16
5/23/2019 17:00	4.734	149,202	17
5/23/2019 18:00	4.242	133,698	18
5/23/2019 19:00	3.882	122,348	19
5/23/2019 20:00	3.549	111,858	20
5/23/2019 21:00	3.438	108,352	21
5/23/2019 22:00	3.127	98,554	22
5/23/2019 23:00	2.905	91,547	23
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5/24/2019 3:00	2.488	78,429	3
5/24/2019 4:00	2.497	78,695	4
5/24/2019 5:00	2.631	82,938	5
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5/24/2019 10:00	4.776	150,526	10
5/24/2019 11:00	5.133	161,790	11
5/24/2019 12:00	5.402	170,264	12
5/24/2019 13:00	5.434	171,280	13
5/24/2019 14:00	5.401	170,226	14
5/24/2019 15:00	5.373	169,340	15
5/24/2019 16:00	5.014	158,041	16
5/24/2019 17:00	4.677	147,413	17
5/24/2019 18:00	4.419	139,277	18
5/24/2019 19:00	4.208	132,641	19
5/24/2019 20:00	3.789	119,434	20
5/24/2019 21:00	3.549	111,869	21
5/24/2019 22:00	3.244	102,254	22
5/24/2019 23:00	2.970	93,610	23
5/25/2019 0:00	2.715	85,565	0
5/25/2019 1:00	2.572	81,053	1
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5/25/2019 3:00	2.454	77,339	3
5/25/2019 4:00	2.500	78,787	4
5/25/2019 5:00	2.468	77,785	5
5/25/2019 6:00	2.443	76,986	6
5/25/2019 7:00	2.677	84,361	7
5/25/2019 8:00	2.931	92,385	8
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5/25/2019 10:00	3.670	115,684	10
5/25/2019 11:00	3.941	124,213	11
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5/25/2019 13:00	4.207	132,611	13

5/25/2019 14:00	4.260	134,265	14
5/25/2019 15:00	4.291	135,253	15
5/25/2019 16:00	4.155	130,952	16
5/25/2019 17:00	3.989	125,713	17
5/25/2019 18:00	3.857	121,557	18
5/25/2019 19:00	3.775	118,982	19
5/25/2019 20:00	3.632	114,479	20
5/25/2019 21:00	3.474	109,492	21
5/25/2019 22:00	3.168	99,834	22
5/25/2019 23:00	2.920	92,044	23
5/26/2019 0:00	2.715	85,582	0
5/26/2019 1:00	2.578	81,247	1
5/26/2019 2:00	2.458	77,462	2
5/26/2019 3:00	2.452	77,283	3
5/26/2019 4:00	2.503	78,882	4
5/26/2019 5:00	2.487	78,378	5
5/26/2019 6:00	2.513	79,212	6
5/26/2019 7:00	2.594	81,752	7
5/26/2019 8:00	2.791	87,951	8
5/26/2019 9:00	3.046	96,007	9
5/26/2019 10:00	3.397	107,052	10
5/26/2019 11:00	3.670	115,668	11
5/26/2019 12:00	3.687	116,191	12
5/26/2019 13:00	3.709	116,912	13
5/26/2019 14:00	3.820	120,388	14
5/26/2019 15:00	3.807	119,994	15
5/26/2019 16:00	3.917	123,466	16
5/26/2019 17:00	3.858	121,595	17
5/26/2019 18:00	3.715	117,084	18
5/26/2019 19:00	3.449	108,706	19
5/26/2019 20:00	3.190	100,538	20
5/26/2019 21:00	3.002	94,604	21
5/26/2019 22:00	2.831	89,240	22
5/26/2019 23:00	2.689	84,763	23
5/27/2019 0:00	2.482	78,219	0
5/27/2019 1:00	2.312	72,882	1
5/27/2019 2:00	2.292	72,225	2
5/27/2019 3:00	2.328	73,373	3
5/27/2019 4:00	2.386	75,206	4
5/27/2019 5:00	2.449	77,180	5
5/27/2019 6:00	2.663	83,934	6
5/27/2019 7:00	2.628	82,843	7
5/27/2019 8:00	2.855	89,981	8
5/27/2019 9:00	3.075	96,906	9
5/27/2019 10:00	3.234	101,943	10
5/27/2019 11:00	3.293	103,803	11
5/27/2019 12:00	3.333	105,050	12

5/27/2019 13:00	3.503	110,394	13
5/27/2019 14:00	3.625	114,248	14
5/27/2019 15:00	3.679	115,964	15
5/27/2019 16:00	3.653	115,124	16
5/27/2019 17:00	3.381	106,548	17
5/27/2019 18:00	3.358	105,842	18
5/27/2019 19:00	3.216	101,373	19
5/27/2019 20:00	3.207	101,087	20
5/27/2019 21:00	3.070	96,753	21
5/27/2019 22:00	2.786	87,798	22
5/27/2019 23:00	2.591	81,672	23
5/28/2019 0:00	2.526	79,612	0
5/28/2019 1:00	2.468	77,784	1
5/28/2019 2:00	2.446	77,087	2
5/28/2019 3:00	2.425	76,426	3
5/28/2019 4:00	2.534	79,859	4
5/28/2019 5:00	2.768	87,242	5
5/28/2019 6:00	3.084	97,215	6
5/28/2019 7:00	3.564	112,327	7
5/28/2019 8:00	4.473	140,970	8
5/28/2019 9:00	4.903	154,526	9
5/28/2019 10:00	5.114	161,172	10
5/28/2019 11:00	5.410	170,499	11
5/28/2019 12:00	5.556	175,103	12
5/28/2019 13:00	5.704	179,774	13
5/28/2019 14:00	5.598	176,430	14
5/28/2019 15:00	5.497	173,244	15
5/28/2019 16:00	5.154	162,449	16
5/28/2019 17:00	4.723	148,854	17
5/28/2019 18:00	4.364	137,534	18
5/28/2019 19:00	4.127	130,068	19
5/28/2019 20:00	3.771	118,855	20
5/28/2019 21:00	3.522	111,009	21
5/28/2019 22:00	3.221	101,505	22
5/28/2019 23:00	2.928	92,274	23
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5/29/2019 3:00	2.538	80,006	3
5/29/2019 4:00	2.521	79,464	4
5/29/2019 5:00	2.766	87,183	5
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5/29/2019 7:00	3.750	118,193	7
5/29/2019 8:00	4.403	138,770	8
5/29/2019 9:00	4.926	155,248	9
5/29/2019 10:00	5.288	166,663	10
5/29/2019 11:00	5.453	171,858	11

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5/29/2019 13:00	5.218	164,461	13
5/29/2019 14:00	4.838	152,472	14
5/29/2019 15:00	4.401	138,712	15
5/29/2019 16:00	4.003	126,166	16
5/29/2019 17:00	3.775	118,966	17
5/29/2019 18:00	3.672	115,724	18
5/29/2019 19:00	3.482	109,760	19
5/29/2019 20:00	3.175	100,070	20
5/29/2019 21:00	2.989	94,200	21
5/29/2019 22:00	2.747	86,591	22
5/29/2019 23:00	2.665	83,983	23
5/30/2019 0:00	2.549	80,353	0
5/30/2019 1:00	2.460	77,546	1
5/30/2019 2:00	2.394	75,456	2
5/30/2019 3:00	2.273	71,653	3
5/30/2019 4:00	2.352	74,117	4
5/30/2019 5:00	2.666	84,021	5
5/30/2019 6:00	3.100	97,698	6
5/30/2019 7:00	3.403	107,270	7
5/30/2019 8:00	4.004	126,199	8
5/30/2019 9:00	4.385	138,217	9
5/30/2019 10:00	4.766	150,219	10
5/30/2019 11:00	4.839	152,506	11
5/30/2019 12:00	4.932	155,456	12
5/30/2019 13:00	4.871	153,537	13
5/30/2019 14:00	4.806	151,484	14
5/30/2019 15:00	4.581	144,380	15
5/30/2019 16:00	3.991	125,800	16
5/30/2019 17:00	3.621	114,120	17
5/30/2019 18:00	3.401	107,204	18
5/30/2019 19:00	3.372	106,286	19
5/30/2019 20:00	3.109	97,983	20
5/30/2019 21:00	3.010	94,877	21
5/30/2019 22:00	2.764	87,127	22
5/30/2019 23:00	2.557	80,605	23
5/31/2019 0:00	2.464	77,673	0
5/31/2019 1:00	2.447	77,122	1
5/31/2019 2:00	2.360	74,369	2
5/31/2019 3:00	2.374	74,808	3
5/31/2019 4:00	2.494	78,608	4
5/31/2019 5:00	2.580	81,309	5
5/31/2019 6:00	2.913	91,823	6
5/31/2019 7:00	3.461	109,084	7
5/31/2019 8:00	3.989	125,724	8
5/31/2019 9:00	4.441	139,963	9
5/31/2019 10:00	4.678	147,438	10



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5/31/2019 13:00	4.563	143,822	13
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5/31/2019 15:00	4.181	131,765	15
5/31/2019 16:00	3.806	119,955	16
5/31/2019 17:00	3.424	107,919	17
5/31/2019 18:00	3.341	105,316	18
5/31/2019 19:00	3.304	104,123	19
5/31/2019 20:00	3.088	97,330	20
5/31/2019 21:00	2.889	91,065	21
5/31/2019 22:00	2.733	86,146	22
5/31/2019 23:00	2.558	80,632	23
6/1/2019 0:00	2.703	85,185	0
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6/1/2019 3:00	2.381	75,048	3
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6/1/2019 13:00	3.716	117,115	13
6/1/2019 14:00	3.734	117,690	14
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6/1/2019 17:00	3.716	117,130	17
6/1/2019 18:00	3.620	114,106	18
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6/1/2019 20:00	3.432	108,165	20
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6/1/2019 22:00	3.031	95,524	22
6/1/2019 23:00	2.734	86,170	23
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6/2/2019 3:00	2.320	73,133	3
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6/2/2019 13:00	3.851	121,390	13
6/2/2019 14:00	3.875	122,124	14
6/2/2019 15:00	3.828	120,649	15
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6/2/2019 17:00	3.752	118,267	17
6/2/2019 18:00	3.678	115,918	18
6/2/2019 19:00	3.570	112,534	19
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6/2/2019 22:00	2.976	93,806	22
6/2/2019 23:00	2.778	87,564	23
6/3/2019 0:00	2.675	84,311	0
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6/3/2019 3:00	2.408	75,908	3
6/3/2019 4:00	2.502	78,869	4
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6/3/2019 12:00	4.840	152,540	12
6/3/2019 13:00	5.051	159,197	13
6/3/2019 14:00	4.899	154,395	14
6/3/2019 15:00	4.953	156,117	15
6/3/2019 16:00	4.529	142,744	16
6/3/2019 17:00	4.222	133,063	17
6/3/2019 18:00	3.848	121,288	18
6/3/2019 19:00	3.599	113,442	19
6/3/2019 20:00	3.309	104,303	20
6/3/2019 21:00	3.156	99,473	21
6/3/2019 22:00	2.902	91,474	22
6/3/2019 23:00	2.722	85,782	23
6/4/2019 0:00	2.533	79,843	0
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6/4/2019 2:00	2.425	76,424	2
6/4/2019 3:00	2.308	72,754	3
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6/4/2019 5:00	2.568	80,935	5
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6/4/2019 13:00	4.985	157,125	13
6/4/2019 14:00	5.127	161,579	14
6/4/2019 15:00	5.155	162,485	15
6/4/2019 16:00	4.723	148,846	16
6/4/2019 17:00	4.492	141,564	17
6/4/2019 18:00	4.111	129,565	18
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6/4/2019 20:00	3.620	114,096	20
6/4/2019 21:00	3.357	105,812	21
6/4/2019 22:00	3.158	99,536	22
6/4/2019 23:00	2.946	92,845	23
6/5/2019 0:00	2.706	85,296	0
6/5/2019 1:00	2.604	82,071	1
6/5/2019 2:00	2.548	80,304	2
6/5/2019 3:00	2.557	80,599	3
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6/5/2019 7:00	3.584	112,962	7
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6/5/2019 15:00	4.883	153,915	15
6/5/2019 16:00	4.793	151,065	16
6/5/2019 17:00	4.635	146,086	17
6/5/2019 18:00	4.522	142,534	18
6/5/2019 19:00	4.203	132,471	19
6/5/2019 20:00	3.788	119,403	20
6/5/2019 21:00	3.503	110,414	21
6/5/2019 22:00	3.302	104,069	22
6/5/2019 23:00	2.970	93,600	23
6/6/2019 0:00	2.694	84,898	0
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6/6/2019 13:00	5.794	182,600	13
6/6/2019 14:00	5.812	183,196	14
6/6/2019 15:00	5.626	177,304	15
6/6/2019 16:00	5.051	159,196	16
6/6/2019 17:00	4.740	149,383	17
6/6/2019 18:00	4.234	133,438	18
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6/6/2019 20:00	3.612	113,855	20
6/6/2019 21:00	3.463	109,142	21
6/6/2019 22:00	3.284	103,493	22
6/6/2019 23:00	3.070	96,757	23
6/7/2019 0:00	2.877	90,690	0
6/7/2019 1:00	2.711	85,438	1
6/7/2019 2:00	2.686	84,661	2
6/7/2019 3:00	2.605	82,117	3
6/7/2019 4:00	2.650	83,536	4
6/7/2019 5:00	2.800	88,255	5
6/7/2019 6:00	3.160	99,604	6
6/7/2019 7:00	3.510	110,616	7
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6/7/2019 9:00	4.185	131,889	9
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6/7/2019 11:00	4.586	144,547	11
6/7/2019 12:00	4.594	144,800	12
6/7/2019 13:00	4.541	143,107	13
6/7/2019 14:00	4.666	147,063	14
6/7/2019 15:00	4.554	143,528	15
6/7/2019 16:00	4.232	133,372	16
6/7/2019 17:00	3.870	121,985	17
6/7/2019 18:00	3.616	113,954	18
6/7/2019 19:00	3.420	107,799	19
6/7/2019 20:00	3.223	101,582	20
6/7/2019 21:00	3.250	102,418	21
6/7/2019 22:00	3.001	94,593	22
6/7/2019 23:00	2.806	88,445	23
6/8/2019 0:00	2.685	84,632	0
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6/8/2019 3:00	2.453	77,299	3
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6/8/2019 5:00	2.494	78,600	5
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6/8/2019 15:00	4.050	127,638	15
6/8/2019 16:00	4.016	126,571	16
6/8/2019 17:00	3.765	118,677	17
6/8/2019 18:00	3.638	114,673	18
6/8/2019 19:00	3.529	111,218	19
6/8/2019 20:00	3.380	106,527	20
6/8/2019 21:00	3.272	103,135	21
6/8/2019 22:00	3.088	97,317	22
6/8/2019 23:00	2.823	88,985	23
6/9/2019 0:00	2.629	82,851	0
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6/9/2019 2:00	2.464	77,645	2
6/9/2019 3:00	2.483	78,270	3
6/9/2019 4:00	2.522	79,493	4
6/9/2019 5:00	2.492	78,558	5
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6/9/2019 16:00	3.695	116,450	16
6/9/2019 17:00	3.619	114,075	17
6/9/2019 18:00	3.676	115,862	18
6/9/2019 19:00	3.521	110,976	19
6/9/2019 20:00	3.360	105,914	20
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6/9/2019 22:00	3.054	96,267	22
6/9/2019 23:00	2.864	90,258	23
6/10/2019 0:00	2.726	85,918	0
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6/10/2019 3:00	2.481	78,197	3
6/10/2019 4:00	2.610	82,256	4
6/10/2019 5:00	2.789	87,893	5

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6/10/2019 9:00	4.703	148,223	9
6/10/2019 10:00	4.836	152,426	10
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6/10/2019 12:00	5.211	164,225	12
6/10/2019 13:00	5.214	164,345	13
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6/10/2019 17:00	4.279	134,866	17
6/10/2019 18:00	3.861	121,702	18
6/10/2019 19:00	3.740	117,869	19
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6/10/2019 22:00	2.920	92,038	22
6/10/2019 23:00	2.642	83,258	23
6/11/2019 0:00	2.477	78,074	0
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6/11/2019 3:00	2.294	72,292	3
6/11/2019 4:00	2.442	76,954	4
6/11/2019 5:00	2.635	83,041	5
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6/11/2019 8:00	3.941	124,198	8
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6/11/2019 12:00	4.812	151,676	12
6/11/2019 13:00	4.823	151,995	13
6/11/2019 14:00	4.822	151,983	14
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6/11/2019 16:00	4.466	140,769	16
6/11/2019 17:00	4.119	129,828	17
6/11/2019 18:00	3.733	117,650	18
6/11/2019 19:00	3.514	110,759	19
6/11/2019 20:00	3.367	106,134	20
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6/11/2019 22:00	2.956	93,172	22
6/11/2019 23:00	2.763	87,079	23
6/12/2019 0:00	2.633	82,987	0
6/12/2019 1:00	2.492	78,538	1
6/12/2019 2:00	2.460	77,527	2
6/12/2019 3:00	2.395	75,496	3
6/12/2019 4:00	2.514	79,226	4

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6/12/2019 12:00	4.563	143,821	12
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6/12/2019 15:00	4.634	146,057	15
6/12/2019 16:00	4.264	134,384	16
6/12/2019 17:00	3.838	120,977	17
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6/12/2019 20:00	3.262	102,801	20
6/12/2019 21:00	3.143	99,063	21
6/12/2019 22:00	2.890	91,078	22
6/12/2019 23:00	2.647	83,421	23
6/13/2019 0:00	2.413	76,048	0
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6/13/2019 2:00	2.220	69,965	2
6/13/2019 3:00	2.227	70,203	3
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6/13/2019 10:00	4.323	136,248	10
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6/13/2019 14:00	4.494	141,636	14
6/13/2019 15:00	4.490	141,531	15
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6/13/2019 17:00	3.564	112,319	17
6/13/2019 18:00	3.379	106,509	18
6/13/2019 19:00	3.134	98,775	19
6/13/2019 20:00	2.948	92,917	20
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6/13/2019 22:00	2.668	84,098	22
6/13/2019 23:00	2.464	77,670	23
6/14/2019 0:00	2.318	73,056	0
6/14/2019 1:00	2.289	72,135	1
6/14/2019 2:00	2.167	68,288	2
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6/14/2019 11:00	4.216	132,894	11
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6/14/2019 13:00	4.536	142,965	13
6/14/2019 14:00	4.567	143,941	14
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6/14/2019 16:00	4.384	138,170	16
6/14/2019 17:00	3.971	125,152	17
6/14/2019 18:00	3.705	116,769	18
6/14/2019 19:00	3.529	111,239	19
6/14/2019 20:00	3.295	103,865	20
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6/14/2019 22:00	2.883	90,853	22
6/14/2019 23:00	2.705	85,253	23
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6/15/2019 3:00	2.305	72,656	3
6/15/2019 4:00	2.193	69,105	4
6/15/2019 5:00	2.285	72,022	5
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6/15/2019 13:00	3.939	124,158	13
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6/15/2019 15:00	3.926	123,734	15
6/15/2019 16:00	3.843	121,131	16
6/15/2019 17:00	3.756	118,375	17
6/15/2019 18:00	3.666	115,553	18
6/15/2019 19:00	3.592	113,216	19
6/15/2019 20:00	3.418	107,735	20
6/15/2019 21:00	3.364	106,037	21
6/15/2019 22:00	3.031	95,518	22
6/15/2019 23:00	2.816	88,752	23
6/16/2019 0:00	2.654	83,648	0
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6/16/2019 13:00	3.693	116,404	13
6/16/2019 14:00	3.762	118,567	14
6/16/2019 15:00	3.857	121,566	15
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6/16/2019 17:00	4.148	130,740	17
6/16/2019 18:00	4.079	128,551	18
6/16/2019 19:00	3.863	121,768	19
6/16/2019 20:00	3.561	112,241	20
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6/16/2019 22:00	3.174	100,042	22
6/16/2019 23:00	2.975	93,757	23
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6/17/2019 18:00	4.032	127,070	18
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6/17/2019 22:00	3.110	98,014	22
6/17/2019 23:00	2.898	91,328	23
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6/18/2019 10:00	4.859	153,141	10
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6/18/2019 12:00	4.898	154,381	12
6/18/2019 13:00	4.805	151,441	13
6/18/2019 14:00	4.772	150,395	14
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6/18/2019 18:00	3.824	120,535	18
6/18/2019 19:00	3.684	116,127	19
6/18/2019 20:00	3.589	113,108	20
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6/18/2019 22:00	3.336	105,150	22
6/18/2019 23:00	3.086	97,262	23
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6/19/2019 20:00	3.825	120,549	20
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6/19/2019 23:00	3.066	96,647	23
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6/20/2019 14:00	4.864	153,290	14
6/20/2019 15:00	4.839	152,518	15
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6/20/2019 17:00	4.208	132,616	17
6/20/2019 18:00	3.855	121,496	18
6/20/2019 19:00	3.599	113,418	19
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6/20/2019 22:00	3.057	96,344	22
6/20/2019 23:00	2.868	90,380	23
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6/21/2019 3:00	2.454	77,360	3
6/21/2019 4:00	2.598	81,889	4
6/21/2019 5:00	2.679	84,435	5
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6/21/2019 13:00	5.122	161,426	13
6/21/2019 14:00	5.163	162,725	14
6/21/2019 15:00	5.215	164,366	15
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6/21/2019 18:00	4.100	129,238	18
6/21/2019 19:00	3.737	117,772	19
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6/21/2019 22:00	3.163	99,699	22
6/21/2019 23:00	2.934	92,470	23

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6/22/2019 3:00	2.476	78,051	3
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6/22/2019 12:00	3.637	114,623	12
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6/22/2019 19:00	3.544	111,696	19
6/22/2019 20:00	3.332	105,019	20
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6/22/2019 22:00	2.920	92,045	22
6/22/2019 23:00	2.740	86,345	23
6/23/2019 0:00	2.575	81,153	0
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6/23/2019 12:00	3.577	112,735	12
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6/23/2019 15:00	4.133	130,256	15
6/23/2019 16:00	4.140	130,478	16
6/23/2019 17:00	4.154	130,918	17
6/23/2019 18:00	4.153	130,881	18
6/23/2019 19:00	3.928	123,800	19
6/23/2019 20:00	3.640	114,728	20
6/23/2019 21:00	3.497	110,226	21
6/23/2019 22:00	3.166	99,801	22

6/23/2019 23:00	2.960	93,298	23
6/24/2019 0:00	2.816	88,749	0
6/24/2019 1:00	2.570	80,996	1
6/24/2019 2:00	2.478	78,106	2
6/24/2019 3:00	2.472	77,897	3
6/24/2019 4:00	2.618	82,529	4
6/24/2019 5:00	2.812	88,643	5
6/24/2019 6:00	3.392	106,904	6
6/24/2019 7:00	3.843	121,113	7
6/24/2019 8:00	4.356	137,281	8
6/24/2019 9:00	4.821	151,933	9
6/24/2019 10:00	5.433	171,251	10
6/24/2019 11:00	5.654	178,208	11
6/24/2019 12:00	5.807	183,011	12
6/24/2019 13:00	5.777	182,069	13
6/24/2019 14:00	5.824	183,547	14
6/24/2019 15:00	5.619	177,091	15
6/24/2019 16:00	5.125	161,525	16
6/24/2019 17:00	4.576	144,215	17
6/24/2019 18:00	3.922	123,626	18
6/24/2019 19:00	3.578	112,760	19
6/24/2019 20:00	3.413	107,573	20
6/24/2019 21:00	3.301	104,041	21
6/24/2019 22:00	3.158	99,544	22
6/24/2019 23:00	2.947	92,879	23
6/25/2019 0:00	2.808	88,504	0
6/25/2019 1:00	2.744	86,490	1
6/25/2019 2:00	2.675	84,317	2
6/25/2019 3:00	2.590	81,619	3
6/25/2019 4:00	2.823	88,969	4
6/25/2019 5:00	2.951	92,994	5
6/25/2019 6:00	3.433	108,216	6
6/25/2019 7:00	3.794	119,582	7
6/25/2019 8:00	4.120	129,842	8
6/25/2019 9:00	4.584	144,470	9
6/25/2019 10:00	4.897	154,354	10
6/25/2019 11:00	5.228	164,777	11
6/25/2019 12:00	5.327	167,910	12
6/25/2019 13:00	5.451	171,802	13
6/25/2019 14:00	5.491	173,068	14
6/25/2019 15:00	5.621	177,167	15
6/25/2019 16:00	5.238	165,078	16
6/25/2019 17:00	4.896	154,302	17
6/25/2019 18:00	4.526	142,639	18
6/25/2019 19:00	4.270	134,575	19
6/25/2019 20:00	3.893	122,703	20
6/25/2019 21:00	3.560	112,205	21

6/25/2019 22:00	3.336	105,138	22
6/25/2019 23:00	3.067	96,670	23
6/26/2019 0:00	2.885	90,931	0
6/26/2019 1:00	2.778	87,545	1
6/26/2019 2:00	2.651	83,547	2
6/26/2019 3:00	2.663	83,931	3
6/26/2019 4:00	2.831	89,238	4
6/26/2019 5:00	2.887	90,990	5
6/26/2019 6:00	3.340	105,278	6
6/26/2019 7:00	3.668	115,614	7
6/26/2019 8:00	4.254	134,079	8
6/26/2019 9:00	4.718	148,705	9
6/26/2019 10:00	5.017	158,110	10
6/26/2019 11:00	5.259	165,756	11
6/26/2019 12:00	5.416	170,709	12
6/26/2019 13:00	5.592	176,249	13
6/26/2019 14:00	5.859	184,648	14
6/26/2019 15:00	5.834	183,887	15
6/26/2019 16:00	5.634	177,584	16
6/26/2019 17:00	5.344	168,439	17
6/26/2019 18:00	4.963	156,427	18
6/26/2019 19:00	4.725	148,935	19
6/26/2019 20:00	4.210	132,695	20
6/26/2019 21:00	3.769	118,781	21
6/26/2019 22:00	3.467	109,275	22
6/26/2019 23:00	3.160	99,605	23
6/27/2019 0:00	2.975	93,763	0
6/27/2019 1:00	2.916	91,898	1
6/27/2019 2:00	2.777	87,536	2
6/27/2019 3:00	2.722	85,797	3
6/27/2019 4:00	2.814	88,691	4
6/27/2019 5:00	3.047	96,033	5
6/27/2019 6:00	3.546	111,749	6
6/27/2019 7:00	3.944	124,305	7
6/27/2019 8:00	4.556	143,602	8
6/27/2019 9:00	5.128	161,614	9
6/27/2019 10:00	5.566	175,443	10
6/27/2019 11:00	5.845	184,221	11
6/27/2019 12:00	6.017	189,630	12
6/27/2019 13:00	6.218	195,981	13
6/27/2019 14:00	6.326	199,374	14
6/27/2019 15:00	6.275	197,762	15
6/27/2019 16:00	6.020	189,746	16
6/27/2019 17:00	5.263	165,879	17
6/27/2019 18:00	4.906	154,623	18
6/27/2019 19:00	4.630	145,930	19
6/27/2019 20:00	4.283	134,977	20

6/27/2019 21:00	4.014	126,526	21
6/27/2019 22:00	3.703	116,697	22
6/27/2019 23:00	3.340	105,259	23
6/28/2019 0:00	3.083	97,185	0
6/28/2019 1:00	2.908	91,656	1
6/28/2019 2:00	2.866	90,320	2
6/28/2019 3:00	2.779	87,604	3
6/28/2019 4:00	2.892	91,146	4
6/28/2019 5:00	3.053	96,215	5
6/28/2019 6:00	3.443	108,503	6
6/28/2019 7:00	3.802	119,831	7
6/28/2019 8:00	4.485	141,360	8
6/28/2019 9:00	4.995	157,431	9
6/28/2019 10:00	5.402	170,268	10
6/28/2019 11:00	5.792	182,558	11
6/28/2019 12:00	5.901	185,983	12
6/28/2019 13:00	6.106	192,457	13
6/28/2019 14:00	6.213	195,826	14
6/28/2019 15:00	6.235	196,503	15
6/28/2019 16:00	5.726	180,471	16
6/28/2019 17:00	5.231	164,886	17
6/28/2019 18:00	4.867	153,401	18
6/28/2019 19:00	4.489	141,492	19
6/28/2019 20:00	4.117	129,758	20
6/28/2019 21:00	3.989	125,718	21
6/28/2019 22:00	3.698	116,554	22
6/28/2019 23:00	3.359	105,874	23
6/29/2019 0:00	3.071	96,799	0
6/29/2019 1:00	2.895	91,231	1
6/29/2019 2:00	2.771	87,326	2
6/29/2019 3:00	2.717	85,647	3
6/29/2019 4:00	2.659	83,812	4
6/29/2019 5:00	2.723	85,822	5
6/29/2019 6:00	2.982	93,977	6
6/29/2019 7:00	3.032	95,553	7
6/29/2019 8:00	3.334	105,068	8
6/29/2019 9:00	3.776	119,017	9
6/29/2019 10:00	4.133	130,273	10
6/29/2019 11:00	4.393	138,455	11
6/29/2019 12:00	4.448	140,202	12
6/29/2019 13:00	4.565	143,892	13
6/29/2019 14:00	4.667	147,079	14
6/29/2019 15:00	4.658	146,824	15
6/29/2019 16:00	4.619	145,596	16
6/29/2019 17:00	4.583	144,432	17
6/29/2019 18:00	4.537	143,008	18
6/29/2019 19:00	4.399	138,634	19

6/29/2019 20:00	4.162	131,182	20
6/29/2019 21:00	3.979	125,416	21
6/29/2019 22:00	3.556	112,071	22
6/29/2019 23:00	3.287	103,595	23
6/30/2019 0:00	3.085	97,230	0
6/30/2019 1:00	2.905	91,556	1
6/30/2019 2:00	2.727	85,934	2
6/30/2019 3:00	2.667	84,074	3
6/30/2019 4:00	2.698	85,023	4
6/30/2019 5:00	2.688	84,718	5
6/30/2019 6:00	2.715	85,563	6
6/30/2019 7:00	3.044	95,949	7
6/30/2019 8:00	3.214	101,288	8
6/30/2019 9:00	3.674	115,784	9
6/30/2019 10:00	4.142	130,560	10
6/30/2019 11:00	4.365	137,566	11
6/30/2019 12:00	4.298	135,449	12
6/30/2019 13:00	4.257	134,180	13
6/30/2019 14:00	4.253	134,033	14
6/30/2019 15:00	4.230	133,306	15
6/30/2019 16:00	4.203	132,483	16
6/30/2019 17:00	4.232	133,369	17
6/30/2019 18:00	4.267	134,477	18
6/30/2019 19:00	3.977	125,353	19
6/30/2019 20:00	3.705	116,776	20
6/30/2019 21:00	3.517	110,851	21
6/30/2019 22:00	3.205	101,003	22
6/30/2019 23:00	3.011	94,911	23
7/1/2019 0:00	2.652	83,597	0
7/1/2019 1:00	2.635	83,035	1
7/1/2019 2:00	2.535	79,912	2
7/1/2019 3:00	2.513	79,195	3
7/1/2019 4:00	2.624	82,707	4
7/1/2019 5:00	2.812	88,619	5
7/1/2019 6:00	3.295	103,864	6
7/1/2019 7:00	3.487	109,902	7
7/1/2019 8:00	4.112	129,599	8
7/1/2019 9:00	4.471	140,922	9
7/1/2019 10:00	4.739	149,370	10
7/1/2019 11:00	4.941	155,743	11
7/1/2019 12:00	5.182	163,311	12
7/1/2019 13:00	5.351	168,651	13
7/1/2019 14:00	5.355	168,765	14
7/1/2019 15:00	5.482	172,787	15
7/1/2019 16:00	5.316	167,561	16
7/1/2019 17:00	4.972	156,722	17
7/1/2019 18:00	4.569	143,990	18



7/1/2019 19:00	4.245	133,795	19
7/1/2019 20:00	3.950	124,497	20
7/1/2019 21:00	3.654	115,166	21
7/1/2019 22:00	3.471	109,390	22
7/1/2019 23:00	3.178	100,169	23
7/2/2019 0:00	2.944	92,804	0
7/2/2019 1:00	2.804	88,378	1
7/2/2019 2:00	2.712	85,466	2
7/2/2019 3:00	2.692	84,832	3
7/2/2019 4:00	2.742	86,410	4
7/2/2019 5:00	3.016	95,066	5
7/2/2019 6:00	3.386	106,730	6
7/2/2019 7:00	3.672	115,747	7
7/2/2019 8:00	4.227	133,218	8
7/2/2019 9:00	4.650	146,571	9
7/2/2019 10:00	4.832	152,299	10
7/2/2019 11:00	5.057	159,376	11
7/2/2019 12:00	5.173	163,030	12
7/2/2019 13:00	5.321	167,693	13
7/2/2019 14:00	5.335	168,140	14
7/2/2019 15:00	5.322	167,745	15
7/2/2019 16:00	4.967	156,543	16
7/2/2019 17:00	4.515	142,319	17
7/2/2019 18:00	4.051	127,678	18
7/2/2019 19:00	3.834	120,838	19
7/2/2019 20:00	3.617	114,009	20
7/2/2019 21:00	3.446	108,622	21
7/2/2019 22:00	3.223	101,569	22
7/2/2019 23:00	2.963	93,379	23
7/3/2019 0:00	2.750	86,669	0
7/3/2019 1:00	2.588	81,577	1
7/3/2019 2:00	2.590	81,620	2
7/3/2019 3:00	2.556	80,565	3
7/3/2019 4:00	2.635	83,064	4
7/3/2019 5:00	2.761	87,008	5
7/3/2019 6:00	3.259	102,715	6
7/3/2019 7:00	3.450	108,747	7
7/3/2019 8:00	3.981	125,469	8
7/3/2019 9:00	4.339	136,763	9
7/3/2019 10:00	4.579	144,320	10
7/3/2019 11:00	4.681	147,522	11
7/3/2019 12:00	4.857	153,092	12
7/3/2019 13:00	5.169	162,926	13
7/3/2019 14:00	5.412	170,575	14
7/3/2019 15:00	5.418	170,772	15
7/3/2019 16:00	5.022	158,298	16
7/3/2019 17:00	4.469	140,839	17

7/3/2019 18:00	4.153	130,894	18
7/3/2019 19:00	3.901	122,952	19
7/3/2019 20:00	3.644	114,841	20
7/3/2019 21:00	3.488	109,932	21
7/3/2019 22:00	3.201	100,890	22
7/3/2019 23:00	2.935	92,492	23
7/4/2019 0:00	2.773	87,412	0
7/4/2019 1:00	2.564	80,804	1
7/4/2019 2:00	2.500	78,802	2
7/4/2019 3:00	2.458	77,478	3
7/4/2019 4:00	2.497	78,705	4
7/4/2019 5:00	2.700	85,086	5
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7/4/2019 7:00	3.082	97,135	7
7/4/2019 8:00	3.274	103,196	8
7/4/2019 9:00	3.486	109,880	9
7/4/2019 10:00	3.846	121,210	10
7/4/2019 11:00	4.014	126,498	11
7/4/2019 12:00	4.188	131,983	12
7/4/2019 13:00	4.345	136,938	13
7/4/2019 14:00	4.436	139,799	14
7/4/2019 15:00	4.363	137,503	15
7/4/2019 16:00	4.293	135,312	16
7/4/2019 17:00	3.944	124,317	17
7/4/2019 18:00	3.691	116,317	18
7/4/2019 19:00	3.534	111,385	19
7/4/2019 20:00	3.415	107,629	20
7/4/2019 21:00	3.363	105,980	21
7/4/2019 22:00	3.177	100,126	22
7/4/2019 23:00	2.955	93,133	23
7/5/2019 0:00	2.785	87,764	0
7/5/2019 1:00	2.668	84,076	1
7/5/2019 2:00	2.609	82,218	2
7/5/2019 3:00	2.615	82,416	3
7/5/2019 4:00	2.630	82,894	4
7/5/2019 5:00	2.618	82,526	5
7/5/2019 6:00	2.850	89,832	6
7/5/2019 7:00	3.044	95,954	7
7/5/2019 8:00	3.545	111,736	8
7/5/2019 9:00	3.895	122,772	9
7/5/2019 10:00	4.318	136,108	10
7/5/2019 11:00	4.547	143,312	11
7/5/2019 12:00	4.645	146,416	12
7/5/2019 13:00	4.854	152,984	13
7/5/2019 14:00	5.086	160,302	14
7/5/2019 15:00	5.094	160,562	15
7/5/2019 16:00	5.001	157,611	16

7/5/2019 17:00	4.744	149,535	17
7/5/2019 18:00	4.588	144,599	18
7/5/2019 19:00	4.437	139,856	19
7/5/2019 20:00	4.154	130,935	20
7/5/2019 21:00	3.921	123,593	21
7/5/2019 22:00	3.543	111,671	22
7/5/2019 23:00	3.258	102,689	23
7/6/2019 0:00	3.037	95,716	0
7/6/2019 1:00	2.850	89,830	1
7/6/2019 2:00	2.756	86,861	2
7/6/2019 3:00	2.716	85,615	3
7/6/2019 4:00	2.602	82,021	4
7/6/2019 5:00	2.642	83,281	5
7/6/2019 6:00	2.743	86,455	6
7/6/2019 7:00	2.848	89,760	7
7/6/2019 8:00	3.155	99,444	8
7/6/2019 9:00	3.546	111,771	9
7/6/2019 10:00	3.834	120,836	10
7/6/2019 11:00	4.070	128,286	11
7/6/2019 12:00	4.192	132,116	12
7/6/2019 13:00	4.170	131,427	13
7/6/2019 14:00	4.280	134,886	14
7/6/2019 15:00	4.318	136,105	15
7/6/2019 16:00	4.252	134,007	16
7/6/2019 17:00	3.957	124,725	17
7/6/2019 18:00	3.839	120,989	18
7/6/2019 19:00	3.782	119,206	19
7/6/2019 20:00	3.694	116,442	20
7/6/2019 21:00	3.603	113,546	21
7/6/2019 22:00	3.371	106,252	22
7/6/2019 23:00	3.107	97,937	23
7/7/2019 0:00	2.963	93,397	0
7/7/2019 1:00	2.858	90,089	1
7/7/2019 2:00	2.737	86,259	2
7/7/2019 3:00	2.655	83,667	3
7/7/2019 4:00	2.744	86,472	4
7/7/2019 5:00	2.636	83,084	5
7/7/2019 6:00	2.693	84,893	6
7/7/2019 7:00	2.769	87,267	7
7/7/2019 8:00	3.041	95,848	8
7/7/2019 9:00	3.363	105,985	9
7/7/2019 10:00	3.709	116,903	10
7/7/2019 11:00	3.906	123,123	11
7/7/2019 12:00	3.738	117,803	12
7/7/2019 13:00	3.675	115,819	13
7/7/2019 14:00	3.732	117,624	14
7/7/2019 15:00	3.698	116,538	15

7/7/2019 16:00	3.821	120,432	16
7/7/2019 17:00	3.876	122,154	17
7/7/2019 18:00	3.942	124,237	18
7/7/2019 19:00	3.754	118,315	19
7/7/2019 20:00	3.456	108,925	20
7/7/2019 21:00	3.328	104,887	21
7/7/2019 22:00	3.109	97,982	22
7/7/2019 23:00	2.922	92,098	23
7/8/2019 0:00	2.780	87,632	0
7/8/2019 1:00	2.645	83,373	1
7/8/2019 2:00	2.575	81,156	2
7/8/2019 3:00	2.579	81,277	3
7/8/2019 4:00	2.761	87,016	4
7/8/2019 5:00	3.070	96,756	5
7/8/2019 6:00	3.502	110,365	6
7/8/2019 7:00	3.824	120,524	7
7/8/2019 8:00	4.328	136,409	8
7/8/2019 9:00	4.674	147,317	9
7/8/2019 10:00	4.915	154,920	10
7/8/2019 11:00	5.083	160,212	11
7/8/2019 12:00	5.251	165,510	12
7/8/2019 13:00	5.342	168,380	13
7/8/2019 14:00	5.493	173,136	14
7/8/2019 15:00	5.390	169,876	15
7/8/2019 16:00	5.074	159,917	16
7/8/2019 17:00	4.717	148,675	17
7/8/2019 18:00	4.465	140,713	18
7/8/2019 19:00	4.171	131,458	19
7/8/2019 20:00	3.941	124,226	20
7/8/2019 21:00	3.727	117,468	21
7/8/2019 22:00	3.392	106,909	22
7/8/2019 23:00	3.146	99,164	23
7/9/2019 0:00	2.964	93,423	0
7/9/2019 1:00	2.742	86,412	1
7/9/2019 2:00	2.672	84,213	2
7/9/2019 3:00	2.650	83,537	3
7/9/2019 4:00	2.683	84,568	4
7/9/2019 5:00	2.864	90,267	5
7/9/2019 6:00	3.436	108,307	6
7/9/2019 7:00	3.791	119,471	7
7/9/2019 8:00	4.276	134,779	8
7/9/2019 9:00	4.649	146,526	9
7/9/2019 10:00	5.134	161,812	10
7/9/2019 11:00	5.425	170,973	11
7/9/2019 12:00	5.713	180,053	12
7/9/2019 13:00	5.867	184,915	13
7/9/2019 14:00	5.821	183,456	14

7/9/2019 15:00	5.774	181,985	15
7/9/2019 16:00	5.462	172,136	16
7/9/2019 17:00	5.258	165,712	17
7/9/2019 18:00	4.936	155,578	18
7/9/2019 19:00	4.622	145,674	19
7/9/2019 20:00	4.293	135,297	20
7/9/2019 21:00	4.067	128,168	21
7/9/2019 22:00	3.752	118,261	22
7/9/2019 23:00	3.453	108,825	23
7/10/2019 0:00	3.248	102,377	0
7/10/2019 1:00	3.047	96,041	1
7/10/2019 2:00	2.900	91,405	2
7/10/2019 3:00	2.864	90,271	3
7/10/2019 4:00	2.870	90,453	4
7/10/2019 5:00	3.002	94,620	5
7/10/2019 6:00	3.509	110,606	6
7/10/2019 7:00	3.835	120,857	7
7/10/2019 8:00	4.427	139,543	8
7/10/2019 9:00	4.888	154,057	9
7/10/2019 10:00	5.188	163,523	10
7/10/2019 11:00	5.475	172,573	11
7/10/2019 12:00	5.616	177,011	12
7/10/2019 13:00	5.773	181,937	13
7/10/2019 14:00	5.768	181,784	14
7/10/2019 15:00	5.804	182,940	15
7/10/2019 16:00	5.484	172,835	16
7/10/2019 17:00	5.338	168,240	17
7/10/2019 18:00	5.074	159,909	18
7/10/2019 19:00	4.901	154,483	19
7/10/2019 20:00	4.424	139,446	20
7/10/2019 21:00	4.065	128,105	21
7/10/2019 22:00	3.638	114,654	22
7/10/2019 23:00	3.401	107,206	23
7/11/2019 0:00	3.264	102,869	0
7/11/2019 1:00	3.045	95,980	1
7/11/2019 2:00	2.921	92,064	2
7/11/2019 3:00	2.944	92,788	3
7/11/2019 4:00	3.077	96,966	4
7/11/2019 5:00	3.215	101,337	5
7/11/2019 6:00	3.645	114,876	6
7/11/2019 7:00	4.012	126,448	7
7/11/2019 8:00	4.553	143,504	8
7/11/2019 9:00	4.904	154,563	9
7/11/2019 10:00	5.001	157,623	10
7/11/2019 11:00	5.023	158,326	11
7/11/2019 12:00	5.189	163,544	12
7/11/2019 13:00	5.235	165,006	13

7/11/2019 14:00	5.215	164,373	14
7/11/2019 15:00	5.305	167,204	15
7/11/2019 16:00	4.824	152,047	16
7/11/2019 17:00	4.410	138,983	17
7/11/2019 18:00	4.123	129,957	18
7/11/2019 19:00	3.855	121,506	19
7/11/2019 20:00	3.719	117,229	20
7/11/2019 21:00	3.493	110,085	21
7/11/2019 22:00	3.226	101,673	22
7/11/2019 23:00	3.125	98,504	23
7/12/2019 0:00	2.933	92,448	0
7/12/2019 1:00	2.775	87,451	1
7/12/2019 2:00	2.689	84,764	2
7/12/2019 3:00	2.616	82,455	3
7/12/2019 4:00	2.712	85,490	4
7/12/2019 5:00	2.858	90,085	5
7/12/2019 6:00	3.289	103,672	6
7/12/2019 7:00	3.544	111,685	7
7/12/2019 8:00	4.132	130,240	8
7/12/2019 9:00	4.606	145,160	9
7/12/2019 10:00	4.973	156,731	10
7/12/2019 11:00	5.304	167,185	11
7/12/2019 12:00	5.475	172,558	12
7/12/2019 13:00	5.532	174,361	13
7/12/2019 14:00	5.538	174,548	14
7/12/2019 15:00	5.570	175,567	15
7/12/2019 16:00	5.339	168,266	16
7/12/2019 17:00	4.953	156,115	17
7/12/2019 18:00	4.626	145,811	18
7/12/2019 19:00	4.386	138,231	19
7/12/2019 20:00	4.165	131,257	20
7/12/2019 21:00	3.933	123,966	21
7/12/2019 22:00	3.608	113,724	22
7/12/2019 23:00	3.253	102,517	23
7/13/2019 0:00	2.995	94,408	0
7/13/2019 1:00	2.835	89,362	1
7/13/2019 2:00	2.676	84,338	2
7/13/2019 3:00	2.630	82,881	3
7/13/2019 4:00	2.565	80,857	4
7/13/2019 5:00	2.552	80,430	5
7/13/2019 6:00	2.631	82,927	6
7/13/2019 7:00	2.859	90,113	7
7/13/2019 8:00	3.202	100,935	8
7/13/2019 9:00	3.440	108,425	9
7/13/2019 10:00	3.844	121,142	10
7/13/2019 11:00	4.215	132,846	11
7/13/2019 12:00	4.412	139,048	12

7/13/2019 13:00	4.471	140,928	13
7/13/2019 14:00	4.574	144,167	14
7/13/2019 15:00	4.508	142,093	15
7/13/2019 16:00	4.553	143,512	16
7/13/2019 17:00	4.392	138,438	17
7/13/2019 18:00	4.421	139,356	18
7/13/2019 19:00	4.225	133,166	19
7/13/2019 20:00	3.984	125,554	20
7/13/2019 21:00	3.827	120,608	21
7/13/2019 22:00	3.444	108,540	22
7/13/2019 23:00	3.144	99,098	23
7/14/2019 0:00	2.944	92,803	0
7/14/2019 1:00	2.842	89,565	1
7/14/2019 2:00	2.782	87,685	2
7/14/2019 3:00	2.730	86,058	3
7/14/2019 4:00	2.617	82,476	4
7/14/2019 5:00	2.725	85,875	5
7/14/2019 6:00	2.625	82,747	6
7/14/2019 7:00	2.684	84,600	7
7/14/2019 8:00	2.977	93,834	8
7/14/2019 9:00	3.340	105,272	9
7/14/2019 10:00	3.685	116,137	10
7/14/2019 11:00	3.878	122,235	11
7/14/2019 12:00	3.889	122,588	12
7/14/2019 13:00	4.092	128,958	13
7/14/2019 14:00	4.159	131,072	14
7/14/2019 15:00	4.286	135,076	15
7/14/2019 16:00	4.375	137,898	16
7/14/2019 17:00	4.362	137,466	17
7/14/2019 18:00	4.370	137,729	18
7/14/2019 19:00	4.161	131,132	19
7/14/2019 20:00	3.878	122,232	20
7/14/2019 21:00	3.747	118,098	21
7/14/2019 22:00	3.429	108,082	22
7/14/2019 23:00	3.193	100,652	23
7/15/2019 0:00	3.115	98,174	0
7/15/2019 1:00	2.983	94,011	1
7/15/2019 2:00	2.894	91,202	2
7/15/2019 3:00	2.856	90,016	3
7/15/2019 4:00	2.944	92,780	4
7/15/2019 5:00	3.028	95,424	5
7/15/2019 6:00	3.404	107,288	6
7/15/2019 7:00	3.845	121,191	7
7/15/2019 8:00	4.558	143,644	8
7/15/2019 9:00	4.969	156,628	9
7/15/2019 10:00	5.333	168,085	10
7/15/2019 11:00	5.761	181,562	11

7/15/2019 12:00	5.876	185,203	12
7/15/2019 13:00	5.975	188,321	13
7/15/2019 14:00	5.945	187,383	14
7/15/2019 15:00	5.939	187,188	15
7/15/2019 16:00	5.342	168,359	16
7/15/2019 17:00	4.754	149,849	17
7/15/2019 18:00	4.314	135,980	18
7/15/2019 19:00	4.040	127,342	19
7/15/2019 20:00	3.841	121,059	20
7/15/2019 21:00	3.628	114,352	21
7/15/2019 22:00	3.366	106,092	22
7/15/2019 23:00	3.182	100,285	23
7/16/2019 0:00	2.925	92,195	0
7/16/2019 1:00	2.816	88,764	1
7/16/2019 2:00	2.683	84,573	2
7/16/2019 3:00	2.594	81,757	3
7/16/2019 4:00	2.683	84,566	4
7/16/2019 5:00	2.942	92,726	5
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7/16/2019 7:00	3.684	116,105	7
7/16/2019 8:00	4.095	129,057	8
7/16/2019 9:00	4.775	150,510	9
7/16/2019 10:00	5.143	162,107	10
7/16/2019 11:00	5.330	168,003	11
7/16/2019 12:00	5.487	172,937	12
7/16/2019 13:00	5.770	181,852	13
7/16/2019 14:00	6.022	189,812	14
7/16/2019 15:00	5.955	187,681	15
7/16/2019 16:00	5.707	179,861	16
7/16/2019 17:00	5.450	171,779	17
7/16/2019 18:00	5.045	158,999	18
7/16/2019 19:00	4.774	150,466	19
7/16/2019 20:00	4.419	139,268	20
7/16/2019 21:00	4.069	128,239	21
7/16/2019 22:00	3.672	115,719	22
7/16/2019 23:00	3.444	108,536	23
7/17/2019 0:00	3.284	103,507	0
7/17/2019 1:00	3.110	98,008	1
7/17/2019 2:00	3.024	95,320	2
7/17/2019 3:00	2.955	93,123	3
7/17/2019 4:00	2.949	92,941	4
7/17/2019 5:00	3.222	101,562	5
7/17/2019 6:00	3.541	111,615	6
7/17/2019 7:00	3.861	121,684	7
7/17/2019 8:00	4.405	138,843	8
7/17/2019 9:00	4.794	151,106	9
7/17/2019 10:00	5.102	160,812	10



7/17/2019 11:00	5.269	166,056	11
7/17/2019 12:00	5.323	167,766	12
7/17/2019 13:00	5.579	175,823	13
7/17/2019 14:00	5.680	179,020	14
7/17/2019 15:00	5.442	171,512	15
7/17/2019 16:00	5.193	163,684	16
7/17/2019 17:00	5.053	159,265	17
7/17/2019 18:00	4.778	150,606	18
7/17/2019 19:00	4.415	139,162	19
7/17/2019 20:00	3.960	124,804	20
7/17/2019 21:00	3.773	118,918	21
7/17/2019 22:00	3.365	106,049	22
7/17/2019 23:00	3.300	104,025	23
7/18/2019 0:00	3.194	100,681	0
7/18/2019 1:00	3.032	95,559	1
7/18/2019 2:00	2.873	90,538	2
7/18/2019 3:00	2.813	88,675	3
7/18/2019 4:00	2.811	88,601	4
7/18/2019 5:00	2.966	93,484	5
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7/18/2019 7:00	3.746	118,054	7
7/18/2019 8:00	4.347	137,015	8
7/18/2019 9:00	4.888	154,067	9
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7/18/2019 11:00	5.493	173,137	11
7/18/2019 12:00	5.734	180,725	12
7/18/2019 13:00	5.740	180,906	13
7/18/2019 14:00	5.841	184,090	14
7/18/2019 15:00	5.748	181,165	15
7/18/2019 16:00	5.508	173,601	16
7/18/2019 17:00	4.996	157,456	17
7/18/2019 18:00	4.646	146,438	18
7/18/2019 19:00	4.401	138,719	19
7/18/2019 20:00	4.158	131,066	20
7/18/2019 21:00	3.776	119,024	21
7/18/2019 22:00	3.509	110,582	22
7/18/2019 23:00	3.319	104,616	23
7/19/2019 0:00	3.199	100,826	0
7/19/2019 1:00	2.912	91,774	1
7/19/2019 2:00	2.798	88,181	2
7/19/2019 3:00	2.737	86,275	3
7/19/2019 4:00	2.793	88,037	4
7/19/2019 5:00	3.027	95,407	5
7/19/2019 6:00	3.340	105,256	6
7/19/2019 7:00	3.662	115,412	7
7/19/2019 8:00	4.338	136,723	8
7/19/2019 9:00	4.926	155,242	9

7/19/2019 10:00	5.262	165,853	10
7/19/2019 11:00	5.355	168,788	11
7/19/2019 12:00	5.700	179,662	12
7/19/2019 13:00	5.926	186,791	13
7/19/2019 14:00	6.024	189,863	14
7/19/2019 15:00	6.082	191,692	15
7/19/2019 16:00	5.823	183,528	16
7/19/2019 17:00	5.407	170,428	17
7/19/2019 18:00	5.193	163,667	18
7/19/2019 19:00	4.914	154,868	19
7/19/2019 20:00	4.442	139,991	20
7/19/2019 21:00	4.187	131,971	21
7/19/2019 22:00	3.879	122,270	22
7/19/2019 23:00	3.701	116,654	23
7/20/2019 0:00	3.452	108,784	0
7/20/2019 1:00	3.281	103,419	1
7/20/2019 2:00	3.141	99,013	2
7/20/2019 3:00	2.994	94,378	3
7/20/2019 4:00	2.867	90,353	4
7/20/2019 5:00	2.947	92,894	5
7/20/2019 6:00	2.978	93,862	6
7/20/2019 7:00	3.220	101,479	7
7/20/2019 8:00	3.555	112,054	8
7/20/2019 9:00	3.930	123,877	9
7/20/2019 10:00	4.320	136,158	10
7/20/2019 11:00	4.568	143,969	11
7/20/2019 12:00	4.632	146,006	12
7/20/2019 13:00	4.704	148,265	13
7/20/2019 14:00	4.861	153,214	14
7/20/2019 15:00	4.927	155,290	15
7/20/2019 16:00	4.900	154,447	16
7/20/2019 17:00	4.845	152,715	17
7/20/2019 18:00	4.737	149,313	18
7/20/2019 19:00	4.559	143,678	19
7/20/2019 20:00	4.293	135,305	20
7/20/2019 21:00	4.130	130,166	21
7/20/2019 22:00	3.791	119,483	22
7/20/2019 23:00	3.508	110,557	23
7/21/2019 0:00	3.322	104,695	0
7/21/2019 1:00	3.226	101,681	1
7/21/2019 2:00	3.162	99,667	2
7/21/2019 3:00	3.046	96,005	3
7/21/2019 4:00	2.893	91,196	4
7/21/2019 5:00	2.964	93,416	5
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7/21/2019 7:00	3.068	96,682	7
7/21/2019 8:00	3.336	105,149	8

7/21/2019 9:00	3.679	115,941	9
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7/21/2019 11:00	3.996	125,947	11
7/21/2019 12:00	4.131	130,197	12
7/21/2019 13:00	4.328	136,400	13
7/21/2019 14:00	4.471	140,927	14
7/21/2019 15:00	4.360	137,426	15
7/21/2019 16:00	4.202	132,444	16
7/21/2019 17:00	4.144	130,610	17
7/21/2019 18:00	3.969	125,093	18
7/21/2019 19:00	3.734	117,697	19
7/21/2019 20:00	3.573	112,616	20
7/21/2019 21:00	3.453	108,821	21
7/21/2019 22:00	3.222	101,564	22
7/21/2019 23:00	3.119	98,314	23
7/22/2019 0:00	2.995	94,401	0
7/22/2019 1:00	2.922	92,100	1
7/22/2019 2:00	2.862	90,197	2
7/22/2019 3:00	2.682	84,517	3
7/22/2019 4:00	2.791	87,952	4
7/22/2019 5:00	3.001	94,589	5
7/22/2019 6:00	3.410	107,478	6
7/22/2019 7:00	3.684	116,122	7
7/22/2019 8:00	4.324	136,296	8
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7/22/2019 10:00	4.793	151,057	10
7/22/2019 11:00	4.939	155,659	11
7/22/2019 12:00	4.961	156,354	12
7/22/2019 13:00	4.942	155,770	13
7/22/2019 14:00	4.844	152,671	14
7/22/2019 15:00	4.841	152,568	15
7/22/2019 16:00	4.631	145,967	16
7/22/2019 17:00	4.244	133,753	17
7/22/2019 18:00	3.956	124,699	18
7/22/2019 19:00	3.682	116,043	19
7/22/2019 20:00	3.602	113,525	20
7/22/2019 21:00	3.365	106,059	21
7/22/2019 22:00	3.063	96,538	22
7/22/2019 23:00	2.850	89,825	23
7/23/2019 0:00	2.685	84,623	0
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7/23/2019 2:00	2.505	78,953	2
7/23/2019 3:00	2.507	79,028	3
7/23/2019 4:00	2.509	79,075	4
7/23/2019 5:00	2.700	85,101	5
7/23/2019 6:00	3.115	98,164	6
7/23/2019 7:00	3.287	103,590	7

7/23/2019 8:00	3.809	120,056	8
7/23/2019 9:00	4.019	126,662	9
7/23/2019 10:00	4.235	133,488	10
7/23/2019 11:00	4.358	137,359	11
7/23/2019 12:00	4.556	143,599	12
7/23/2019 13:00	4.674	147,327	13
7/23/2019 14:00	4.900	154,423	14
7/23/2019 15:00	4.843	152,635	15
7/23/2019 16:00	4.606	145,182	16
7/23/2019 17:00	4.278	134,838	17
7/23/2019 18:00	3.768	118,754	18
7/23/2019 19:00	3.592	113,201	19
7/23/2019 20:00	3.353	105,678	20
7/23/2019 21:00	3.220	101,495	21
7/23/2019 22:00	2.933	92,455	22
7/23/2019 23:00	2.695	84,942	23
7/24/2019 0:00	2.511	79,130	0
7/24/2019 1:00	2.396	75,513	1
7/24/2019 2:00	2.380	75,012	2
7/24/2019 3:00	2.361	74,411	3
7/24/2019 4:00	2.410	75,946	4
7/24/2019 5:00	2.559	80,641	5
7/24/2019 6:00	2.994	94,355	6
7/24/2019 7:00	3.225	101,655	7
7/24/2019 8:00	3.541	111,603	8
7/24/2019 9:00	3.945	124,336	9
7/24/2019 10:00	4.275	134,744	10
7/24/2019 11:00	4.418	139,257	11
7/24/2019 12:00	4.683	147,596	12
7/24/2019 13:00	4.853	152,968	13
7/24/2019 14:00	5.039	158,817	14
7/24/2019 15:00	4.992	157,343	15
7/24/2019 16:00	4.686	147,695	16
7/24/2019 17:00	4.335	136,639	17
7/24/2019 18:00	4.169	131,409	18
7/24/2019 19:00	3.891	122,645	19
7/24/2019 20:00	3.546	111,757	20
7/24/2019 21:00	3.351	105,622	21
7/24/2019 22:00	3.027	95,416	22
7/24/2019 23:00	2.853	89,925	23
7/25/2019 0:00	2.733	86,153	0
7/25/2019 1:00	2.554	80,508	1
7/25/2019 2:00	2.449	77,178	2
7/25/2019 3:00	2.339	73,730	3
7/25/2019 4:00	2.287	72,079	4
7/25/2019 5:00	2.500	78,794	5
7/25/2019 6:00	2.968	93,530	6

7/25/2019 7:00	3.318	104,565	7
7/25/2019 8:00	3.722	117,303	8
7/25/2019 9:00	4.118	129,805	9
7/25/2019 10:00	4.342	136,836	10
7/25/2019 11:00	4.580	144,361	11
7/25/2019 12:00	4.796	151,165	12
7/25/2019 13:00	5.025	158,367	13
7/25/2019 14:00	5.074	159,912	14
7/25/2019 15:00	5.058	159,426	15
7/25/2019 16:00	4.734	149,197	16
7/25/2019 17:00	4.506	142,020	17
7/25/2019 18:00	4.234	133,446	18
7/25/2019 19:00	4.004	126,200	19
7/25/2019 20:00	3.579	112,798	20
7/25/2019 21:00	3.358	105,844	21
7/25/2019 22:00	3.053	96,233	22
7/25/2019 23:00	2.802	88,302	23
7/26/2019 0:00	2.677	84,380	0
7/26/2019 1:00	2.530	79,752	1
7/26/2019 2:00	2.511	79,146	2
7/26/2019 3:00	2.440	76,888	3
7/26/2019 4:00	2.454	77,334	4
7/26/2019 5:00	2.669	84,117	5
7/26/2019 6:00	3.013	94,952	6
7/26/2019 7:00	3.301	104,030	7
7/26/2019 8:00	3.811	120,107	8
7/26/2019 9:00	4.143	130,581	9
7/26/2019 10:00	4.597	144,901	10
7/26/2019 11:00	4.863	153,259	11
7/26/2019 12:00	5.066	159,659	12
7/26/2019 13:00	5.172	163,024	13
7/26/2019 14:00	5.233	164,946	14
7/26/2019 15:00	5.239	165,122	15
7/26/2019 16:00	4.852	152,929	16
7/26/2019 17:00	4.591	144,686	17
7/26/2019 18:00	4.243	133,726	18
7/26/2019 19:00	4.067	128,197	19
7/26/2019 20:00	3.696	116,492	20
7/26/2019 21:00	3.508	110,580	21
7/26/2019 22:00	3.220	101,483	22
7/26/2019 23:00	3.009	94,852	23
7/27/2019 0:00	2.799	88,205	0
7/27/2019 1:00	2.685	84,635	1
7/27/2019 2:00	2.508	79,043	2
7/27/2019 3:00	2.392	75,393	3
7/27/2019 4:00	2.293	72,268	4
7/27/2019 5:00	2.475	77,995	5

7/27/2019 6:00	2.691	84,825	6
7/27/2019 7:00	2.829	89,156	7
7/27/2019 8:00	3.064	96,562	8
7/27/2019 9:00	3.254	102,560	9
7/27/2019 10:00	3.621	114,120	10
7/27/2019 11:00	3.858	121,586	11
7/27/2019 12:00	4.081	128,613	12
7/27/2019 13:00	4.269	134,547	13
7/27/2019 14:00	4.296	135,391	14
7/27/2019 15:00	4.251	133,988	15
7/27/2019 16:00	4.265	134,432	16
7/27/2019 17:00	4.300	135,515	17
7/27/2019 18:00	4.291	135,230	18
7/27/2019 19:00	4.037	127,229	19
7/27/2019 20:00	3.791	119,498	20
7/27/2019 21:00	3.480	109,681	21
7/27/2019 22:00	3.107	97,920	22
7/27/2019 23:00	2.916	91,894	23
7/28/2019 0:00	2.758	86,935	0
7/28/2019 1:00	2.607	82,179	1
7/28/2019 2:00	2.469	77,828	2
7/28/2019 3:00	2.478	78,102	3
7/28/2019 4:00	2.534	79,865	4
7/28/2019 5:00	2.587	81,547	5
7/28/2019 6:00	2.577	81,210	6
7/28/2019 7:00	2.513	79,203	7
7/28/2019 8:00	2.748	86,626	8
7/28/2019 9:00	3.222	101,545	9
7/28/2019 10:00	3.577	112,725	10
7/28/2019 11:00	3.722	117,325	11
7/28/2019 12:00	3.820	120,384	12
7/28/2019 13:00	4.021	126,735	13
7/28/2019 14:00	4.157	131,028	14
7/28/2019 15:00	4.220	133,019	15
7/28/2019 16:00	4.293	135,317	16
7/28/2019 17:00	4.213	132,773	17
7/28/2019 18:00	4.240	133,626	18
7/28/2019 19:00	3.916	123,422	19
7/28/2019 20:00	3.658	115,288	20
7/28/2019 21:00	3.499	110,294	21
7/28/2019 22:00	3.171	99,936	22
7/28/2019 23:00	2.962	93,340	23
7/29/2019 0:00	2.851	89,862	0
7/29/2019 1:00	2.748	86,599	1
7/29/2019 2:00	2.684	84,597	2
7/29/2019 3:00	2.590	81,644	3
7/29/2019 4:00	2.666	84,026	4

7/29/2019 5:00	2.872	90,518	5
7/29/2019 6:00	3.191	100,571	6
7/29/2019 7:00	3.531	111,290	7
7/29/2019 8:00	4.162	131,183	8
7/29/2019 9:00	4.631	145,956	9
7/29/2019 10:00	5.240	165,159	10
7/29/2019 11:00	5.357	168,844	11
7/29/2019 12:00	5.459	172,056	12
7/29/2019 13:00	5.626	177,313	13
7/29/2019 14:00	5.645	177,924	14
7/29/2019 15:00	5.567	175,473	15
7/29/2019 16:00	5.196	163,775	16
7/29/2019 17:00	4.948	155,958	17
7/29/2019 18:00	4.730	149,066	18
7/29/2019 19:00	4.515	142,317	19
7/29/2019 20:00	4.176	131,618	20
7/29/2019 21:00	3.841	121,061	21
7/29/2019 22:00	3.495	110,158	22
7/29/2019 23:00	3.172	99,988	23
7/30/2019 0:00	2.963	93,378	0
7/30/2019 1:00	2.830	89,200	1
7/30/2019 2:00	2.743	86,468	2
7/30/2019 3:00	2.751	86,719	3
7/30/2019 4:00	2.845	89,669	4
7/30/2019 5:00	3.029	95,478	5
7/30/2019 6:00	3.487	109,903	6
7/30/2019 7:00	3.911	123,252	7
7/30/2019 8:00	4.310	135,841	8
7/30/2019 9:00	4.652	146,631	9
7/30/2019 10:00	4.916	154,946	10
7/30/2019 11:00	5.192	163,639	11
7/30/2019 12:00	5.279	166,395	12
7/30/2019 13:00	5.421	170,851	13
7/30/2019 14:00	5.440	171,451	14
7/30/2019 15:00	5.360	168,942	15
7/30/2019 16:00	4.966	156,516	16
7/30/2019 17:00	4.671	147,208	17
7/30/2019 18:00	4.191	132,090	18
7/30/2019 19:00	3.958	124,748	19
7/30/2019 20:00	3.593	113,238	20
7/30/2019 21:00	3.275	103,213	21
7/30/2019 22:00	3.073	96,860	22
7/30/2019 23:00	2.923	92,122	23
7/31/2019 0:00	2.795	88,079	0
7/31/2019 1:00	2.745	86,506	1
7/31/2019 2:00	2.684	84,602	2
7/31/2019 3:00	2.674	84,282	3

7/31/2019 4:00	2.717	85,648	4
7/31/2019 5:00	2.730	86,029	5
7/31/2019 6:00	3.154	99,417	6
7/31/2019 7:00	3.379	106,494	7
7/31/2019 8:00	3.977	125,335	8
7/31/2019 9:00	4.517	142,363	9
7/31/2019 10:00	4.952	156,089	10
7/31/2019 11:00	5.276	166,285	11
7/31/2019 12:00	5.516	173,857	12
7/31/2019 13:00	5.618	177,072	13
7/31/2019 14:00	5.635	177,610	14
7/31/2019 15:00	5.486	172,908	15
7/31/2019 16:00	5.334	168,116	16
7/31/2019 17:00	4.832	152,284	17
7/31/2019 18:00	4.650	146,572	18
7/31/2019 19:00	4.579	144,306	19
7/31/2019 20:00	4.158	131,056	20
7/31/2019 21:00	3.879	122,268	21
7/31/2019 22:00	3.432	108,156	22
7/31/2019 23:00	3.114	98,150	23
8/1/2019 0:00	2.872	90,505	0
8/1/2019 1:00	2.682	84,546	1
8/1/2019 2:00	2.628	82,816	2
8/1/2019 3:00	2.563	80,766	3
8/1/2019 4:00	2.661	83,859	4
8/1/2019 5:00	2.840	89,515	5
8/1/2019 6:00	3.302	104,086	6
8/1/2019 7:00	3.585	113,005	7
8/1/2019 8:00	4.148	130,732	8
8/1/2019 9:00	4.500	141,843	9
8/1/2019 10:00	4.828	152,162	10
8/1/2019 11:00	5.176	163,134	11
8/1/2019 12:00	5.587	176,085	12
8/1/2019 13:00	5.726	180,483	13
8/1/2019 14:00	5.760	181,528	14
8/1/2019 15:00	5.701	179,695	15
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8/1/2019 17:00	5.207	164,103	17
8/1/2019 18:00	4.792	151,029	18
8/1/2019 19:00	4.344	136,913	19
8/1/2019 20:00	3.958	124,742	20
8/1/2019 21:00	3.761	118,537	21
8/1/2019 22:00	3.457	108,962	22
8/1/2019 23:00	3.154	99,417	23
8/2/2019 0:00	2.983	94,003	0
8/2/2019 1:00	2.867	90,372	1
8/2/2019 2:00	2.816	88,749	2



8/2/2019 3:00	2.607	82,168	3
8/2/2019 4:00	2.628	82,831	4
8/2/2019 5:00	2.782	87,689	5
8/2/2019 6:00	3.254	102,548	6
8/2/2019 7:00	3.532	111,324	7
8/2/2019 8:00	4.029	126,978	8
8/2/2019 9:00	4.459	140,544	9
8/2/2019 10:00	4.871	153,509	10
8/2/2019 11:00	5.139	161,962	11
8/2/2019 12:00	5.370	169,258	12
8/2/2019 13:00	5.573	175,652	13
8/2/2019 14:00	5.568	175,494	14
8/2/2019 15:00	5.569	175,532	15
8/2/2019 16:00	5.300	167,042	16
8/2/2019 17:00	4.730	149,084	17
8/2/2019 18:00	4.319	136,141	18
8/2/2019 19:00	4.077	128,510	19
8/2/2019 20:00	3.814	120,199	20
8/2/2019 21:00	3.650	115,051	21
8/2/2019 22:00	3.320	104,638	22
8/2/2019 23:00	3.118	98,258	23
8/3/2019 0:00	2.923	92,134	0
8/3/2019 1:00	2.733	86,150	1
8/3/2019 2:00	2.619	82,537	2
8/3/2019 3:00	2.555	80,520	3
8/3/2019 4:00	2.448	77,148	4
8/3/2019 5:00	2.507	79,013	5
8/3/2019 6:00	2.614	82,380	6
8/3/2019 7:00	2.758	86,942	7
8/3/2019 8:00	3.091	97,428	8
8/3/2019 9:00	3.418	107,724	9
8/3/2019 10:00	3.743	117,956	10
8/3/2019 11:00	3.969	125,101	11
8/3/2019 12:00	4.152	130,853	12
8/3/2019 13:00	4.224	133,137	13
8/3/2019 14:00	4.276	134,758	14
8/3/2019 15:00	4.302	135,586	15
8/3/2019 16:00	4.343	136,886	16
8/3/2019 17:00	4.252	134,007	17
8/3/2019 18:00	4.214	132,809	18
8/3/2019 19:00	4.120	129,840	19
8/3/2019 20:00	3.816	120,275	20
8/3/2019 21:00	3.643	114,815	21
8/3/2019 22:00	3.305	104,157	22
8/3/2019 23:00	2.942	92,718	23
8/4/2019 0:00	2.799	88,208	0
8/4/2019 1:00	2.626	82,765	1

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8/4/2019 3:00	2.492	78,533	3
8/4/2019 4:00	2.500	78,807	4
8/4/2019 5:00	2.528	79,683	5
8/4/2019 6:00	2.529	79,722	6
8/4/2019 7:00	2.490	78,480	7
8/4/2019 8:00	2.791	87,954	8
8/4/2019 9:00	3.162	99,662	9
8/4/2019 10:00	3.443	108,517	10
8/4/2019 11:00	3.727	117,482	11
8/4/2019 12:00	3.789	119,407	12
8/4/2019 13:00	3.872	122,049	13
8/4/2019 14:00	4.091	128,937	14
8/4/2019 15:00	4.225	133,173	15
8/4/2019 16:00	4.190	132,056	16
8/4/2019 17:00	4.115	129,705	17
8/4/2019 18:00	3.992	125,831	18
8/4/2019 19:00	3.761	118,539	19
8/4/2019 20:00	3.506	110,511	20
8/4/2019 21:00	3.357	105,814	21
8/4/2019 22:00	3.088	97,341	22
8/4/2019 23:00	2.845	89,656	23
8/5/2019 0:00	2.642	83,255	0
8/5/2019 1:00	2.614	82,378	1
8/5/2019 2:00	2.555	80,538	2
8/5/2019 3:00	2.469	77,817	3
8/5/2019 4:00	2.564	80,800	4
8/5/2019 5:00	2.691	84,818	5
8/5/2019 6:00	3.203	100,959	6
8/5/2019 7:00	3.448	108,672	7
8/5/2019 8:00	4.046	127,513	8
8/5/2019 9:00	4.524	142,587	9
8/5/2019 10:00	4.825	152,079	10
8/5/2019 11:00	5.224	164,655	11
8/5/2019 12:00	5.511	173,684	12
8/5/2019 13:00	5.642	177,828	13
8/5/2019 14:00	5.745	181,081	14
8/5/2019 15:00	5.679	179,005	15
8/5/2019 16:00	5.262	165,851	16
8/5/2019 17:00	4.834	152,352	17
8/5/2019 18:00	4.441	139,956	18
8/5/2019 19:00	4.172	131,494	19
8/5/2019 20:00	3.855	121,486	20
8/5/2019 21:00	3.650	115,050	21
8/5/2019 22:00	3.316	104,526	22
8/5/2019 23:00	3.027	95,395	23
8/6/2019 0:00	2.811	88,603	0

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8/6/2019 2:00	2.574	81,134	2
8/6/2019 3:00	2.541	80,076	3
8/6/2019 4:00	2.597	81,841	4
8/6/2019 5:00	2.856	90,009	5
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8/6/2019 7:00	3.627	114,325	7
8/6/2019 8:00	4.036	127,204	8
8/6/2019 9:00	4.654	146,692	9
8/6/2019 10:00	5.031	158,553	10
8/6/2019 11:00	5.214	164,330	11
8/6/2019 12:00	5.536	174,478	12
8/6/2019 13:00	5.771	181,879	13
8/6/2019 14:00	5.822	183,512	14
8/6/2019 15:00	5.756	181,408	15
8/6/2019 16:00	5.408	170,453	16
8/6/2019 17:00	5.022	158,280	17
8/6/2019 18:00	4.593	144,749	18
8/6/2019 19:00	4.348	137,046	19
8/6/2019 20:00	3.931	123,897	20
8/6/2019 21:00	3.733	117,670	21
8/6/2019 22:00	3.412	107,534	22
8/6/2019 23:00	3.146	99,158	23
8/7/2019 0:00	2.935	92,505	0
8/7/2019 1:00	2.806	88,437	1
8/7/2019 2:00	2.724	85,839	2
8/7/2019 3:00	2.686	84,650	3
8/7/2019 4:00	2.713	85,524	4
8/7/2019 5:00	2.945	92,819	5
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8/7/2019 7:00	3.839	121,002	7
8/7/2019 8:00	4.319	136,117	8
8/7/2019 9:00	4.744	149,528	9
8/7/2019 10:00	5.111	161,075	10
8/7/2019 11:00	5.064	159,608	11
8/7/2019 12:00	5.069	159,765	12
8/7/2019 13:00	5.365	169,083	13
8/7/2019 14:00	5.557	175,157	14
8/7/2019 15:00	5.487	172,941	15
8/7/2019 16:00	5.176	163,142	16
8/7/2019 17:00	4.749	149,689	17
8/7/2019 18:00	4.438	139,876	18
8/7/2019 19:00	4.231	133,345	19
8/7/2019 20:00	3.860	121,668	20
8/7/2019 21:00	3.633	114,516	21
8/7/2019 22:00	3.313	104,428	22
8/7/2019 23:00	3.082	97,153	23

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8/8/2019 1:00	2.725	85,891	1
8/8/2019 2:00	2.674	84,279	2
8/8/2019 3:00	2.566	80,860	3
8/8/2019 4:00	2.563	80,773	4
8/8/2019 5:00	2.870	90,449	5
8/8/2019 6:00	3.426	107,987	6
8/8/2019 7:00	3.731	117,584	7
8/8/2019 8:00	4.380	138,053	8
8/8/2019 9:00	4.892	154,192	9
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8/8/2019 11:00	5.674	178,836	11
8/8/2019 12:00	5.698	179,596	12
8/8/2019 13:00	5.746	181,103	13
8/8/2019 14:00	5.900	185,967	14
8/8/2019 15:00	5.834	183,874	15
8/8/2019 16:00	5.359	168,912	16
8/8/2019 17:00	4.970	156,644	17
8/8/2019 18:00	4.650	146,548	18
8/8/2019 19:00	4.414	139,129	19
8/8/2019 20:00	4.081	128,622	20
8/8/2019 21:00	3.759	118,487	21
8/8/2019 22:00	3.439	108,386	22
8/8/2019 23:00	3.176	100,100	23
8/9/2019 0:00	3.003	94,663	0
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8/9/2019 2:00	2.719	85,696	2
8/9/2019 3:00	2.590	81,639	3
8/9/2019 4:00	2.647	83,412	4
8/9/2019 5:00	2.886	90,956	5
8/9/2019 6:00	3.258	102,692	6
8/9/2019 7:00	3.672	115,746	7
8/9/2019 8:00	4.474	141,017	8
8/9/2019 9:00	4.891	154,146	9
8/9/2019 10:00	5.106	160,926	10
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8/9/2019 12:00	5.661	178,434	12
8/9/2019 13:00	5.714	180,109	13
8/9/2019 14:00	5.774	181,985	14
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8/9/2019 16:00	5.312	167,408	16
8/9/2019 17:00	4.899	154,402	17
8/9/2019 18:00	4.571	144,069	18
8/9/2019 19:00	4.101	129,252	19
8/9/2019 20:00	3.840	121,044	20
8/9/2019 21:00	3.749	118,149	21
8/9/2019 22:00	3.362	105,970	22

8/9/2019 23:00	3.139	98,948	23
8/10/2019 0:00	2.993	94,342	0
8/10/2019 1:00	2.859	90,125	1
8/10/2019 2:00	2.678	84,413	2
8/10/2019 3:00	2.586	81,510	3
8/10/2019 4:00	2.611	82,296	4
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8/10/2019 6:00	2.717	85,643	6
8/10/2019 7:00	2.799	88,212	7
8/10/2019 8:00	3.020	95,191	8
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8/10/2019 11:00	3.757	118,426	11
8/10/2019 12:00	4.007	126,277	12
8/10/2019 13:00	4.152	130,861	13
8/10/2019 14:00	4.171	131,467	14
8/10/2019 15:00	4.275	134,750	15
8/10/2019 16:00	4.266	134,456	16
8/10/2019 17:00	4.019	126,656	17
8/10/2019 18:00	4.100	129,231	18
8/10/2019 19:00	3.847	121,249	19
8/10/2019 20:00	3.603	113,560	20
8/10/2019 21:00	3.322	104,698	21
8/10/2019 22:00	3.026	95,364	22
8/10/2019 23:00	2.774	87,433	23
8/11/2019 0:00	2.602	81,996	0
8/11/2019 1:00	2.507	79,022	1
8/11/2019 2:00	2.391	75,347	2
8/11/2019 3:00	2.345	73,903	3
8/11/2019 4:00	2.355	74,224	4
8/11/2019 5:00	2.440	76,907	5
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8/11/2019 7:00	2.354	74,192	7
8/11/2019 8:00	2.636	83,089	8
8/11/2019 9:00	3.078	97,002	9
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8/11/2019 17:00	3.995	125,917	17
8/11/2019 18:00	3.931	123,905	18
8/11/2019 19:00	3.670	115,682	19
8/11/2019 20:00	3.443	108,521	20
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8/11/2019 22:00	2.890	91,079	22
8/11/2019 23:00	2.702	85,153	23
8/12/2019 0:00	2.569	80,981	0
8/12/2019 1:00	2.458	77,474	1
8/12/2019 2:00	2.339	73,713	2
8/12/2019 3:00	2.332	73,503	3
8/12/2019 4:00	2.491	78,511	4
8/12/2019 5:00	2.684	84,601	5
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8/12/2019 7:00	3.575	112,662	7
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8/12/2019 9:00	4.581	144,394	9
8/12/2019 10:00	4.997	157,486	10
8/12/2019 11:00	5.321	167,692	11
8/12/2019 12:00	5.532	174,372	12
8/12/2019 13:00	5.661	178,409	13
8/12/2019 14:00	5.642	177,834	14
8/12/2019 15:00	5.481	172,740	15
8/12/2019 16:00	5.108	160,994	16
8/12/2019 17:00	4.606	145,158	17
8/12/2019 18:00	4.335	136,618	18
8/12/2019 19:00	4.096	129,106	19
8/12/2019 20:00	3.901	122,953	20
8/12/2019 21:00	3.700	116,627	21
8/12/2019 22:00	3.312	104,389	22
8/12/2019 23:00	3.180	100,241	23
8/13/2019 0:00	3.005	94,716	0
8/13/2019 1:00	2.863	90,239	1
8/13/2019 2:00	2.794	88,076	2
8/13/2019 3:00	2.789	87,890	3
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8/13/2019 5:00	3.015	95,033	5
8/13/2019 6:00	3.550	111,895	6
8/13/2019 7:00	3.967	125,037	7
8/13/2019 8:00	4.674	147,299	8
8/13/2019 9:00	5.175	163,099	9
8/13/2019 10:00	5.386	169,760	10
8/13/2019 11:00	5.577	175,775	11
8/13/2019 12:00	5.516	173,863	12
8/13/2019 13:00	5.628	177,368	13
8/13/2019 14:00	5.765	181,695	14
8/13/2019 15:00	5.621	177,166	15
8/13/2019 16:00	5.295	166,902	16
8/13/2019 17:00	4.894	154,250	17
8/13/2019 18:00	4.519	142,414	18
8/13/2019 19:00	4.241	133,660	19
8/13/2019 20:00	3.921	123,587	20

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8/13/2019 22:00	3.466	109,233	22
8/13/2019 23:00	3.237	102,029	23
8/14/2019 0:00	3.059	96,409	0
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8/14/2019 3:00	2.650	83,515	3
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8/14/2019 7:00	4.092	128,976	7
8/14/2019 8:00	4.755	149,858	8
8/14/2019 9:00	5.231	164,857	9
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8/14/2019 13:00	6.155	193,991	13
8/14/2019 14:00	6.167	194,382	14
8/14/2019 15:00	6.007	189,337	15
8/14/2019 16:00	5.586	176,072	16
8/14/2019 17:00	5.243	165,262	17
8/14/2019 18:00	5.002	157,667	18
8/14/2019 19:00	4.718	148,695	19
8/14/2019 20:00	4.143	130,584	20
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8/14/2019 22:00	3.395	107,004	22
8/14/2019 23:00	3.130	98,665	23
8/15/2019 0:00	2.956	93,182	0
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8/15/2019 2:00	2.729	86,007	2
8/15/2019 3:00	2.760	86,988	3
8/15/2019 4:00	2.761	87,007	4
8/15/2019 5:00	3.094	97,532	5
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8/15/2019 7:00	3.960	124,816	7
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8/15/2019 12:00	6.073	191,394	12
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8/15/2019 14:00	6.161	194,171	14
8/15/2019 15:00	6.050	190,682	15
8/15/2019 16:00	5.663	178,500	16
8/15/2019 17:00	5.124	161,491	17
8/15/2019 18:00	4.800	151,298	18
8/15/2019 19:00	4.423	139,410	19

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8/15/2019 21:00	3.825	120,549	21
8/15/2019 22:00	3.503	110,406	22
8/15/2019 23:00	3.205	101,012	23
8/16/2019 0:00	2.976	93,808	0
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8/16/2019 2:00	2.684	84,593	2
8/16/2019 3:00	2.603	82,056	3
8/16/2019 4:00	2.649	83,495	4
8/16/2019 5:00	2.916	91,896	5
8/16/2019 6:00	3.370	106,209	6
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8/16/2019 8:00	4.544	143,204	8
8/16/2019 9:00	5.175	163,090	9
8/16/2019 10:00	5.395	170,035	10
8/16/2019 11:00	5.692	179,387	11
8/16/2019 12:00	5.864	184,828	12
8/16/2019 13:00	5.975	188,326	13
8/16/2019 14:00	6.032	190,111	14
8/16/2019 15:00	6.061	191,023	15
8/16/2019 16:00	5.470	172,391	16
8/16/2019 17:00	5.061	159,499	17
8/16/2019 18:00	4.653	146,648	18
8/16/2019 19:00	4.380	138,053	19
8/16/2019 20:00	4.030	127,015	20
8/16/2019 21:00	3.774	118,947	21
8/16/2019 22:00	3.357	105,804	22
8/16/2019 23:00	3.074	96,892	23
8/17/2019 0:00	2.933	92,431	0
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8/17/2019 2:00	2.599	81,923	2
8/17/2019 3:00	2.514	79,246	3
8/17/2019 4:00	2.645	83,371	4
8/17/2019 5:00	2.716	85,591	5
8/17/2019 6:00	2.809	88,518	6
8/17/2019 7:00	2.917	91,929	7
8/17/2019 8:00	3.128	98,594	8
8/17/2019 9:00	3.492	110,047	9
8/17/2019 10:00	3.847	121,254	10
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8/17/2019 13:00	4.467	140,798	13
8/17/2019 14:00	4.482	141,255	14
8/17/2019 15:00	4.451	140,277	15
8/17/2019 16:00	4.469	140,847	16
8/17/2019 17:00	4.385	138,190	17
8/17/2019 18:00	4.293	135,295	18



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8/17/2019 20:00	4.059	127,942	20
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8/17/2019 22:00	3.492	110,057	22
8/17/2019 23:00	3.250	102,426	23
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8/18/2019 2:00	2.777	87,532	2
8/18/2019 3:00	2.622	82,625	3
8/18/2019 4:00	2.534	79,859	4
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8/18/2019 7:00	2.754	86,801	7
8/18/2019 8:00	2.879	90,734	8
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8/18/2019 11:00	3.891	122,630	11
8/18/2019 12:00	4.169	131,391	12
8/18/2019 13:00	4.278	134,829	13
8/18/2019 14:00	4.410	139,003	14
8/18/2019 15:00	4.565	143,881	15
8/18/2019 16:00	4.629	145,891	16
8/18/2019 17:00	4.704	148,270	17
8/18/2019 18:00	4.579	144,323	18
8/18/2019 19:00	4.204	132,506	19
8/18/2019 20:00	3.942	124,231	20
8/18/2019 21:00	3.705	116,773	21
8/18/2019 22:00	3.345	105,432	22
8/18/2019 23:00	3.128	98,578	23
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8/19/2019 3:00	2.724	85,868	3
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8/19/2019 6:00	3.865	121,825	6
8/19/2019 7:00	4.127	130,065	7
8/19/2019 8:00	4.948	155,943	8
8/19/2019 9:00	5.421	170,870	9
8/19/2019 10:00	5.763	181,641	10
8/19/2019 11:00	6.045	190,524	11
8/19/2019 12:00	6.346	200,021	12
8/19/2019 13:00	6.460	203,599	13
8/19/2019 14:00	6.491	204,591	14
8/19/2019 15:00	6.404	201,848	15
8/19/2019 16:00	5.849	184,363	16
8/19/2019 17:00	5.491	173,075	17

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8/19/2019 19:00	4.745	149,553	19
8/19/2019 20:00	4.448	140,187	20
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8/19/2019 22:00	3.877	122,195	22
8/19/2019 23:00	3.503	110,420	23
8/20/2019 0:00	3.265	102,901	0
8/20/2019 1:00	3.079	97,059	1
8/20/2019 2:00	2.994	94,376	2
8/20/2019 3:00	2.997	94,446	3
8/20/2019 4:00	3.042	95,872	4
8/20/2019 5:00	3.283	103,458	5
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8/20/2019 8:00	4.947	155,928	8
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8/20/2019 11:00	6.356	200,319	11
8/20/2019 12:00	6.502	204,934	12
8/20/2019 13:00	6.662	209,971	13
8/20/2019 14:00	6.767	213,267	14
8/20/2019 15:00	6.558	206,696	15
8/20/2019 16:00	6.062	191,059	16
8/20/2019 17:00	5.485	172,875	17
8/20/2019 18:00	4.916	154,957	18
8/20/2019 19:00	4.473	140,986	19
8/20/2019 20:00	4.131	130,209	20
8/20/2019 21:00	3.901	122,945	21
8/20/2019 22:00	3.617	113,993	22
8/20/2019 23:00	3.420	107,784	23
8/21/2019 0:00	3.200	100,850	0
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8/21/2019 2:00	3.000	94,540	2
8/21/2019 3:00	2.912	91,783	3
8/21/2019 4:00	2.960	93,279	4
8/21/2019 5:00	3.229	101,776	5
8/21/2019 6:00	3.715	117,078	6
8/21/2019 7:00	4.058	127,897	7
8/21/2019 8:00	4.933	155,463	8
8/21/2019 9:00	5.571	175,573	9
8/21/2019 10:00	5.922	186,644	10
8/21/2019 11:00	6.315	199,045	11
8/21/2019 12:00	6.383	201,178	12
8/21/2019 13:00	6.490	204,563	13
8/21/2019 14:00	6.608	208,261	14
8/21/2019 15:00	6.338	199,771	15
8/21/2019 16:00	6.048	190,622	16

8/21/2019 17:00	5.797	182,711	17
8/21/2019 18:00	5.459	172,049	18
8/21/2019 19:00	5.006	157,783	19
8/21/2019 20:00	4.499	141,791	20
8/21/2019 21:00	4.037	127,251	21
8/21/2019 22:00	3.678	115,910	22
8/21/2019 23:00	3.438	108,369	23
8/22/2019 0:00	3.257	102,644	0
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8/22/2019 2:00	2.886	90,971	2
8/22/2019 3:00	2.896	91,289	3
8/22/2019 4:00	2.998	94,503	4
8/22/2019 5:00	3.261	102,774	5
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8/22/2019 7:00	4.268	134,504	7
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8/22/2019 9:00	5.449	171,735	9
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8/22/2019 12:00	6.313	198,981	12
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8/22/2019 14:00	6.317	199,107	14
8/22/2019 15:00	6.182	194,842	15
8/22/2019 16:00	5.614	176,933	16
8/22/2019 17:00	5.158	162,564	17
8/22/2019 18:00	4.705	148,299	18
8/22/2019 19:00	4.429	139,596	19
8/22/2019 20:00	4.216	132,867	20
8/22/2019 21:00	3.763	118,617	21
8/22/2019 22:00	3.412	107,526	22
8/22/2019 23:00	3.295	103,857	23
8/23/2019 0:00	3.138	98,897	0
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8/23/2019 2:00	2.891	91,119	2
8/23/2019 3:00	2.858	90,078	3
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8/23/2019 7:00	4.108	129,477	7
8/23/2019 8:00	4.626	145,816	8
8/23/2019 9:00	4.974	156,765	9
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8/23/2019 12:00	5.257	165,693	12
8/23/2019 13:00	5.117	161,288	13
8/23/2019 14:00	5.013	158,007	14
8/23/2019 15:00	4.642	146,313	15

8/23/2019 16:00	4.141	130,509	16
8/23/2019 17:00	3.673	115,759	17
8/23/2019 18:00	3.670	115,659	18
8/23/2019 19:00	3.708	116,870	19
8/23/2019 20:00	3.630	114,421	20
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8/23/2019 22:00	3.092	97,462	22
8/23/2019 23:00	2.905	91,561	23
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8/24/2019 2:00	2.374	74,816	2
8/24/2019 3:00	2.316	72,991	3
8/24/2019 4:00	2.333	73,522	4
8/24/2019 5:00	2.406	75,840	5
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8/24/2019 7:00	2.717	85,639	7
8/24/2019 8:00	2.929	92,318	8
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8/24/2019 11:00	3.388	106,768	11
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8/24/2019 13:00	3.622	114,159	13
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8/24/2019 15:00	3.676	115,860	15
8/24/2019 16:00	3.641	114,751	16
8/24/2019 17:00	3.573	112,610	17
8/24/2019 18:00	3.506	110,515	18
8/24/2019 19:00	3.429	108,089	19
8/24/2019 20:00	3.324	104,761	20
8/24/2019 21:00	3.101	97,724	21
8/24/2019 22:00	2.793	88,035	22
8/24/2019 23:00	2.612	82,310	23
8/25/2019 0:00	2.458	77,463	0
8/25/2019 1:00	2.362	74,449	1
8/25/2019 2:00	2.259	71,206	2
8/25/2019 3:00	2.232	70,343	3
8/25/2019 4:00	2.221	69,999	4
8/25/2019 5:00	2.313	72,902	5
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8/25/2019 7:00	2.410	75,970	7
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8/25/2019 9:00	2.954	93,112	9
8/25/2019 10:00	3.250	102,427	10
8/25/2019 11:00	3.367	106,109	11
8/25/2019 12:00	3.420	107,806	12
8/25/2019 13:00	3.494	110,113	13
8/25/2019 14:00	3.541	111,592	14

8/25/2019 15:00	3.734	117,702	15
8/25/2019 16:00	3.755	118,362	16
8/25/2019 17:00	3.686	116,169	17
8/25/2019 18:00	3.691	116,345	18
8/25/2019 19:00	3.539	111,545	19
8/25/2019 20:00	3.357	105,794	20
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8/25/2019 22:00	2.881	90,794	22
8/25/2019 23:00	2.755	86,820	23
8/26/2019 0:00	2.597	81,859	0
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8/26/2019 2:00	2.367	74,592	2
8/26/2019 3:00	2.321	73,149	3
8/26/2019 4:00	2.436	76,791	4
8/26/2019 5:00	2.763	87,079	5
8/26/2019 6:00	3.286	103,558	6
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8/26/2019 8:00	4.350	137,101	8
8/26/2019 9:00	4.677	147,402	9
8/26/2019 10:00	4.913	154,859	10
8/26/2019 11:00	4.917	154,982	11
8/26/2019 12:00	4.951	156,056	12
8/26/2019 13:00	4.823	152,007	13
8/26/2019 14:00	4.824	152,033	14
8/26/2019 15:00	4.580	144,340	15
8/26/2019 16:00	4.045	127,504	16
8/26/2019 17:00	3.640	114,714	17
8/26/2019 18:00	3.413	107,563	18
8/26/2019 19:00	3.363	105,990	19
8/26/2019 20:00	3.244	102,243	20
8/26/2019 21:00	3.115	98,175	21
8/26/2019 22:00	2.887	91,006	22
8/26/2019 23:00	2.753	86,770	23
8/27/2019 0:00	2.691	84,829	0
8/27/2019 1:00	2.585	81,472	1
8/27/2019 2:00	2.435	76,740	2
8/27/2019 3:00	2.351	74,098	3
8/27/2019 4:00	2.477	78,081	4
8/27/2019 5:00	2.839	89,470	5
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8/27/2019 13:00	5.451	171,796	13

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8/27/2019 15:00	5.337	168,216	15
8/27/2019 16:00	4.978	156,908	16
8/27/2019 17:00	4.550	143,420	17
8/27/2019 18:00	4.121	129,874	18
8/27/2019 19:00	3.904	123,050	19
8/27/2019 20:00	3.613	113,881	20
8/27/2019 21:00	3.396	107,048	21
8/27/2019 22:00	3.076	96,937	22
8/27/2019 23:00	2.914	91,854	23
8/28/2019 0:00	2.847	89,727	0
8/28/2019 1:00	2.651	83,553	1
8/28/2019 2:00	2.607	82,158	2
8/28/2019 3:00	2.547	80,285	3
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8/28/2019 12:00	5.498	173,275	12
8/28/2019 13:00	5.557	175,151	13
8/28/2019 14:00	5.642	177,830	14
8/28/2019 15:00	5.503	173,453	15
8/28/2019 16:00	5.023	158,330	16
8/28/2019 17:00	4.645	146,393	17
8/28/2019 18:00	4.369	137,691	18
8/28/2019 19:00	4.012	126,456	19
8/28/2019 20:00	3.638	114,655	20
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8/28/2019 22:00	2.913	91,801	22
8/28/2019 23:00	2.593	81,738	23
8/29/2019 0:00	2.487	78,373	0
8/29/2019 1:00	2.425	76,421	1
8/29/2019 2:00	2.295	72,338	2
8/29/2019 3:00	2.248	70,856	3
8/29/2019 4:00	2.369	74,680	4
8/29/2019 5:00	2.729	86,023	5
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8/29/2019 11:00	5.225	164,693	11
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8/29/2019 16:00	5.071	159,821	16
8/29/2019 17:00	4.644	146,356	17
8/29/2019 18:00	4.206	132,566	18
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8/29/2019 20:00	3.653	115,149	20
8/29/2019 21:00	3.285	103,548	21
8/29/2019 22:00	2.913	91,816	22
8/29/2019 23:00	2.751	86,691	23
8/30/2019 0:00	2.711	85,440	0
8/30/2019 1:00	2.578	81,260	1
8/30/2019 2:00	2.388	75,251	2
8/30/2019 3:00	2.262	71,297	3
8/30/2019 4:00	2.325	73,288	4
8/30/2019 5:00	2.677	84,367	5
8/30/2019 6:00	3.083	97,174	6
8/30/2019 7:00	3.380	106,517	7
8/30/2019 8:00	3.997	125,972	8
8/30/2019 9:00	4.480	141,203	9
8/30/2019 10:00	4.778	150,599	10
8/30/2019 11:00	5.124	161,491	11
8/30/2019 12:00	5.324	167,816	12
8/30/2019 13:00	5.551	174,961	13
8/30/2019 14:00	5.513	173,762	14
8/30/2019 15:00	5.448	171,709	15
8/30/2019 16:00	5.087	160,341	16
8/30/2019 17:00	4.783	150,746	17
8/30/2019 18:00	4.384	138,167	18
8/30/2019 19:00	4.044	127,448	19
8/30/2019 20:00	3.875	122,128	20
8/30/2019 21:00	3.603	113,565	21
8/30/2019 22:00	3.297	103,924	22
8/30/2019 23:00	3.047	96,032	23
8/31/2019 0:00	2.895	91,239	0
8/31/2019 1:00	2.712	85,478	1
8/31/2019 2:00	2.472	77,913	2
8/31/2019 3:00	2.414	76,088	3
8/31/2019 4:00	2.389	75,289	4
8/31/2019 5:00	2.481	78,188	5
8/31/2019 6:00	2.571	81,033	6
8/31/2019 7:00	2.631	82,911	7
8/31/2019 8:00	2.866	90,334	8
8/31/2019 9:00	3.204	100,979	9
8/31/2019 10:00	3.583	112,923	10
8/31/2019 11:00	3.870	121,970	11

8/31/2019 12:00	4.151	130,831	12
8/31/2019 13:00	4.292	135,260	13
8/31/2019 14:00	4.320	136,149	14
8/31/2019 15:00	4.354	137,236	15
8/31/2019 16:00	4.300	135,529	16
8/31/2019 17:00	4.335	136,641	17
8/31/2019 18:00	4.195	132,217	18
8/31/2019 19:00	4.063	128,045	19
8/31/2019 20:00	3.879	122,248	20
8/31/2019 21:00	3.638	114,673	21
8/31/2019 22:00	3.320	104,651	22
8/31/2019 23:00	3.083	97,155	23
9/1/2019 0:00	2.977	93,823	0
9/1/2019 1:00	2.846	89,702	1
9/1/2019 2:00	2.745	86,502	2
9/1/2019 3:00	2.665	84,005	3
9/1/2019 4:00	2.708	85,361	4
9/1/2019 5:00	2.737	86,251	5
9/1/2019 6:00	2.670	84,167	6
9/1/2019 7:00	2.723	85,827	7
9/1/2019 8:00	2.978	93,854	8
9/1/2019 9:00	3.363	106,003	9
9/1/2019 10:00	3.791	119,489	10
9/1/2019 11:00	3.987	125,653	11
9/1/2019 12:00	4.039	127,300	12
9/1/2019 13:00	4.122	129,926	13
9/1/2019 14:00	4.271	134,600	14
9/1/2019 15:00	4.289	135,188	15
9/1/2019 16:00	4.407	138,895	16
9/1/2019 17:00	4.366	137,592	17
9/1/2019 18:00	4.253	134,037	18
9/1/2019 19:00	3.935	124,021	19
9/1/2019 20:00	3.690	116,309	20
9/1/2019 21:00	3.453	108,830	21
9/1/2019 22:00	3.276	103,249	22
9/1/2019 23:00	3.094	97,529	23
9/2/2019 0:00	2.906	91,583	0
9/2/2019 1:00	2.678	84,403	1
9/2/2019 2:00	2.569	80,967	2
9/2/2019 3:00	2.541	80,091	3
9/2/2019 4:00	2.615	82,413	4
9/2/2019 5:00	2.672	84,225	5
9/2/2019 6:00	2.957	93,202	6
9/2/2019 7:00	2.853	89,926	7
9/2/2019 8:00	3.069	96,728	8
9/2/2019 9:00	3.337	105,164	9
9/2/2019 10:00	3.726	117,445	10



9/2/2019 11:00	3.996	125,956	11
9/2/2019 12:00	4.081	128,634	12
9/2/2019 13:00	4.276	134,778	13
9/2/2019 14:00	4.410	138,990	14
9/2/2019 15:00	4.435	139,794	15
9/2/2019 16:00	4.390	138,350	16
9/2/2019 17:00	4.239	133,609	17
9/2/2019 18:00	4.025	126,858	18
9/2/2019 19:00	3.678	115,920	19
9/2/2019 20:00	3.638	114,650	20
9/2/2019 21:00	3.484	109,802	21
9/2/2019 22:00	3.217	101,396	22
9/2/2019 23:00	2.998	94,505	23
9/3/2019 0:00	2.802	88,316	0
9/3/2019 1:00	2.733	86,146	1
9/3/2019 2:00	2.673	84,254	2
9/3/2019 3:00	2.693	84,871	3
9/3/2019 4:00	2.699	85,069	4
9/3/2019 5:00	3.061	96,474	5
9/3/2019 6:00	3.762	118,565	6
9/3/2019 7:00	4.085	128,762	7
9/3/2019 8:00	4.643	146,327	8
9/3/2019 9:00	5.105	160,900	9
9/3/2019 10:00	5.671	178,730	10
9/3/2019 11:00	6.038	190,317	11
9/3/2019 12:00	6.235	196,507	12
9/3/2019 13:00	6.274	197,738	13
9/3/2019 14:00	6.336	199,695	14
9/3/2019 15:00	6.133	193,291	15
9/3/2019 16:00	5.622	177,179	16
9/3/2019 17:00	5.430	171,132	17
9/3/2019 18:00	5.052	159,244	18
9/3/2019 19:00	4.684	147,617	19
9/3/2019 20:00	4.381	138,067	20
9/3/2019 21:00	3.949	124,474	21
9/3/2019 22:00	3.545	111,740	22
9/3/2019 23:00	3.262	102,826	23
9/4/2019 0:00	3.065	96,603	0
9/4/2019 1:00	2.970	93,607	1
9/4/2019 2:00	2.830	89,204	2
9/4/2019 3:00	2.752	86,725	3
9/4/2019 4:00	2.740	86,373	4
9/4/2019 5:00	3.051	96,158	5
9/4/2019 6:00	3.626	114,268	6
9/4/2019 7:00	4.096	129,088	7
9/4/2019 8:00	4.738	149,343	8
9/4/2019 9:00	5.280	166,427	9

9/4/2019 10:00	5.750	181,223	10
9/4/2019 11:00	6.093	192,047	11
9/4/2019 12:00	6.322	199,256	12
9/4/2019 13:00	6.447	203,194	13
9/4/2019 14:00	6.399	201,681	14
9/4/2019 15:00	6.273	197,706	15
9/4/2019 16:00	5.969	188,124	16
9/4/2019 17:00	5.678	178,969	17
9/4/2019 18:00	5.344	168,426	18
9/4/2019 19:00	5.024	158,353	19
9/4/2019 20:00	4.528	142,708	20
9/4/2019 21:00	4.014	126,508	21
9/4/2019 22:00	3.674	115,800	22
9/4/2019 23:00	3.403	107,269	23
9/5/2019 0:00	3.229	101,771	0
9/5/2019 1:00	3.049	96,097	1
9/5/2019 2:00	2.815	88,720	2
9/5/2019 3:00	2.734	86,167	3
9/5/2019 4:00	2.758	86,939	4
9/5/2019 5:00	2.960	93,297	5
9/5/2019 6:00	3.518	110,873	6
9/5/2019 7:00	4.070	128,289	7
9/5/2019 8:00	4.721	148,784	8
9/5/2019 9:00	5.041	158,879	9
9/5/2019 10:00	5.329	167,961	10
9/5/2019 11:00	5.324	167,803	11
9/5/2019 12:00	5.628	177,382	12
9/5/2019 13:00	5.831	183,788	13
9/5/2019 14:00	5.937	187,126	14
9/5/2019 15:00	5.664	178,533	15
9/5/2019 16:00	5.365	169,080	16
9/5/2019 17:00	5.054	159,278	17
9/5/2019 18:00	4.654	146,670	18
9/5/2019 19:00	4.322	136,215	19
9/5/2019 20:00	4.031	127,064	20
9/5/2019 21:00	3.615	113,953	21
9/5/2019 22:00	3.283	103,458	22
9/5/2019 23:00	3.063	96,536	23
9/6/2019 0:00	2.930	92,363	0
9/6/2019 1:00	2.845	89,672	1
9/6/2019 2:00	2.717	85,636	2
9/6/2019 3:00	2.592	81,710	3
9/6/2019 4:00	2.565	80,849	4
9/6/2019 5:00	2.732	86,099	5
9/6/2019 6:00	3.274	103,201	6
9/6/2019 7:00	3.664	115,472	7
9/6/2019 8:00	4.365	137,581	8

9/6/2019 9:00	4.918	155,013	9
9/6/2019 10:00	5.290	166,740	10
9/6/2019 11:00	5.572	175,619	11
9/6/2019 12:00	5.589	176,168	12
9/6/2019 13:00	5.619	177,110	13
9/6/2019 14:00	5.609	176,778	14
9/6/2019 15:00	5.471	172,450	15
9/6/2019 16:00	5.012	157,964	16
9/6/2019 17:00	4.651	146,591	17
9/6/2019 18:00	4.332	136,528	18
9/6/2019 19:00	4.104	129,339	19
9/6/2019 20:00	3.844	121,163	20
9/6/2019 21:00	3.615	113,940	21
9/6/2019 22:00	3.362	105,977	22
9/6/2019 23:00	3.093	97,485	23
9/7/2019 0:00	3.049	96,107	0
9/7/2019 1:00	2.889	91,052	1
9/7/2019 2:00	2.871	90,477	2
9/7/2019 3:00	2.721	85,765	3
9/7/2019 4:00	2.699	85,078	4
9/7/2019 5:00	2.642	83,277	5
9/7/2019 6:00	2.813	88,661	6
9/7/2019 7:00	2.974	93,733	7
9/7/2019 8:00	3.197	100,754	8
9/7/2019 9:00	3.475	109,521	9
9/7/2019 10:00	3.697	116,534	10
9/7/2019 11:00	3.727	117,463	11
9/7/2019 12:00	3.814	120,206	12
9/7/2019 13:00	3.994	125,888	13
9/7/2019 14:00	4.086	128,774	14
9/7/2019 15:00	4.134	130,288	15
9/7/2019 16:00	4.139	130,459	16
9/7/2019 17:00	3.928	123,799	17
9/7/2019 18:00	3.929	123,832	18
9/7/2019 19:00	3.685	116,155	19
9/7/2019 20:00	3.550	111,902	20
9/7/2019 21:00	3.355	105,737	21
9/7/2019 22:00	3.114	98,150	22
9/7/2019 23:00	2.924	92,169	23
9/8/2019 0:00	2.782	87,690	0
9/8/2019 1:00	2.633	82,992	1
9/8/2019 2:00	2.532	79,800	2
9/8/2019 3:00	2.488	78,430	3
9/8/2019 4:00	2.525	79,572	4
9/8/2019 5:00	2.504	78,919	5
9/8/2019 6:00	2.634	83,007	6
9/8/2019 7:00	2.647	83,436	7

9/8/2019 8:00	2.729	86,016	8
9/8/2019 9:00	3.041	95,831	9
9/8/2019 10:00	3.422	107,849	10
9/8/2019 11:00	3.583	112,926	11
9/8/2019 12:00	3.652	115,112	12
9/8/2019 13:00	3.626	114,275	13
9/8/2019 14:00	3.776	119,010	14
9/8/2019 15:00	4.037	127,237	15
9/8/2019 16:00	4.076	128,456	16
9/8/2019 17:00	3.998	126,009	17
9/8/2019 18:00	3.841	121,055	18
9/8/2019 19:00	3.622	114,169	19
9/8/2019 20:00	3.468	109,310	20
9/8/2019 21:00	3.323	104,739	21
9/8/2019 22:00	2.966	93,486	22
9/8/2019 23:00	2.772	87,372	23
9/9/2019 0:00	2.655	83,682	0
9/9/2019 1:00	2.524	79,563	1
9/9/2019 2:00	2.439	76,876	2
9/9/2019 3:00	2.413	76,038	3
9/9/2019 4:00	2.517	79,334	4
9/9/2019 5:00	2.842	89,566	5
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9/9/2019 7:00	3.666	115,552	7
9/9/2019 8:00	4.516	142,331	8
9/9/2019 9:00	4.907	154,659	9
9/9/2019 10:00	5.413	170,614	10
9/9/2019 11:00	5.692	179,400	11
9/9/2019 12:00	5.959	187,813	12
9/9/2019 13:00	6.053	190,765	13
9/9/2019 14:00	6.179	194,742	14
9/9/2019 15:00	6.036	190,249	15
9/9/2019 16:00	5.457	171,980	16
9/9/2019 17:00	5.028	158,474	17
9/9/2019 18:00	4.752	149,776	18
9/9/2019 19:00	4.413	139,082	19
9/9/2019 20:00	4.050	127,645	20
9/9/2019 21:00	3.723	117,336	21
9/9/2019 22:00	3.396	107,028	22
9/9/2019 23:00	3.096	97,581	23
9/10/2019 0:00	2.932	92,420	0
9/10/2019 1:00	2.758	86,922	1
9/10/2019 2:00	2.635	83,057	2
9/10/2019 3:00	2.485	78,336	3
9/10/2019 4:00	2.654	83,640	4
9/10/2019 5:00	2.933	92,457	5
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9/10/2019 9:00	5.259	165,755	9
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9/10/2019 11:00	5.946	187,396	11
9/10/2019 12:00	6.297	198,457	12
9/10/2019 13:00	6.567	206,985	13
9/10/2019 14:00	6.657	209,824	14
9/10/2019 15:00	6.561	206,779	15
9/10/2019 16:00	6.100	192,273	16
9/10/2019 17:00	5.809	183,102	17
9/10/2019 18:00	5.441	171,495	18
9/10/2019 19:00	5.124	161,507	19
9/10/2019 20:00	4.696	148,023	20
9/10/2019 21:00	4.229	133,276	21
9/10/2019 22:00	3.851	121,361	22
9/10/2019 23:00	3.543	111,676	23
9/11/2019 0:00	3.292	103,763	0
9/11/2019 1:00	3.112	98,090	1
9/11/2019 2:00	3.028	95,421	2
9/11/2019 3:00	2.984	94,058	3
9/11/2019 4:00	2.947	92,868	4
9/11/2019 5:00	3.153	99,390	5
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9/11/2019 7:00	4.093	128,999	7
9/11/2019 8:00	4.866	153,373	8
9/11/2019 9:00	5.449	171,756	9
9/11/2019 10:00	5.943	187,297	10
9/11/2019 11:00	6.272	197,670	11
9/11/2019 12:00	6.601	208,049	12
9/11/2019 13:00	6.739	212,407	13
9/11/2019 14:00	6.901	217,512	14
9/11/2019 15:00	6.761	213,093	15
9/11/2019 16:00	6.238	196,594	16
9/11/2019 17:00	5.693	179,435	17
9/11/2019 18:00	5.255	165,631	18
9/11/2019 19:00	5.086	160,297	19
9/11/2019 20:00	4.552	143,485	20
9/11/2019 21:00	4.186	131,924	21
9/11/2019 22:00	3.805	119,918	22
9/11/2019 23:00	3.584	112,954	23
9/12/2019 0:00	3.366	106,082	0
9/12/2019 1:00	3.198	100,792	1
9/12/2019 2:00	3.011	94,895	2
9/12/2019 3:00	2.923	92,111	3
9/12/2019 4:00	2.907	91,614	4
9/12/2019 5:00	3.201	100,887	5

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9/12/2019 10:00	6.221	196,073	10
9/12/2019 11:00	6.683	210,635	11
9/12/2019 12:00	6.817	214,842	12
9/12/2019 13:00	6.913	217,898	13
9/12/2019 14:00	6.806	214,519	14
9/12/2019 15:00	6.632	209,031	15
9/12/2019 16:00	6.343	199,915	16
9/12/2019 17:00	5.893	185,732	17
9/12/2019 18:00	5.584	175,996	18
9/12/2019 19:00	5.275	166,242	19
9/12/2019 20:00	4.931	155,404	20
9/12/2019 21:00	4.487	141,431	21
9/12/2019 22:00	3.828	120,657	22
9/12/2019 23:00	3.544	111,703	23
9/13/2019 0:00	3.330	104,965	0
9/13/2019 1:00	3.261	102,778	1
9/13/2019 2:00	3.162	99,660	2
9/13/2019 3:00	3.057	96,354	3
9/13/2019 4:00	3.065	96,587	4
9/13/2019 5:00	3.231	101,843	5
9/13/2019 6:00	3.755	118,346	6
9/13/2019 7:00	4.267	134,499	7
9/13/2019 8:00	5.001	157,616	8
9/13/2019 9:00	5.545	174,774	9
9/13/2019 10:00	6.023	189,818	10
9/13/2019 11:00	6.424	202,470	11
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9/13/2019 13:00	6.728	212,050	13
9/13/2019 14:00	6.664	210,038	14
9/13/2019 15:00	6.477	204,131	15
9/13/2019 16:00	6.030	190,052	16
9/13/2019 17:00	5.616	177,016	17
9/13/2019 18:00	5.225	164,676	18
9/13/2019 19:00	4.968	156,580	19
9/13/2019 20:00	4.659	146,839	20
9/13/2019 21:00	4.387	138,254	21
9/13/2019 22:00	4.025	126,852	22
9/13/2019 23:00	3.760	118,502	23
9/14/2019 0:00	3.571	112,538	0
9/14/2019 1:00	3.427	108,001	1
9/14/2019 2:00	3.347	105,506	2
9/14/2019 3:00	3.146	99,170	3
9/14/2019 4:00	3.086	97,249	4

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9/14/2019 7:00	3.210	101,176	7
9/14/2019 8:00	3.495	110,144	8
9/14/2019 9:00	3.787	119,372	9
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9/14/2019 11:00	4.308	135,792	11
9/14/2019 12:00	4.498	141,756	12
9/14/2019 13:00	4.588	144,600	13
9/14/2019 14:00	4.739	149,374	14
9/14/2019 15:00	4.641	146,266	15
9/14/2019 16:00	4.604	145,107	16
9/14/2019 17:00	4.379	138,028	17
9/14/2019 18:00	4.162	131,182	18
9/14/2019 19:00	3.929	123,826	19
9/14/2019 20:00	3.737	117,783	20
9/14/2019 21:00	3.509	110,589	21
9/14/2019 22:00	3.247	102,336	22
9/14/2019 23:00	3.010	94,877	23
9/15/2019 0:00	2.758	86,923	0
9/15/2019 1:00	2.585	81,463	1
9/15/2019 2:00	2.420	76,282	2
9/15/2019 3:00	2.394	75,457	3
9/15/2019 4:00	2.408	75,896	4
9/15/2019 5:00	2.445	77,071	5
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9/15/2019 7:00	2.694	84,905	7
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9/15/2019 10:00	3.361	105,939	10
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9/15/2019 12:00	3.671	115,697	12
9/15/2019 13:00	3.922	123,615	13
9/15/2019 14:00	4.138	130,432	14
9/15/2019 15:00	4.138	130,426	15
9/15/2019 16:00	4.143	130,576	16
9/15/2019 17:00	4.169	131,409	17
9/15/2019 18:00	4.084	128,712	18
9/15/2019 19:00	3.623	114,195	19
9/15/2019 20:00	3.481	109,714	20
9/15/2019 21:00	3.223	101,598	21
9/15/2019 22:00	2.898	91,354	22
9/15/2019 23:00	2.711	85,452	23
9/16/2019 0:00	2.602	82,024	0
9/16/2019 1:00	2.565	80,855	1
9/16/2019 2:00	2.411	76,000	2
9/16/2019 3:00	2.495	78,633	3

9/16/2019 4:00	2.545	80,209	4
9/16/2019 5:00	2.842	89,573	5
9/16/2019 6:00	3.399	107,124	6
9/16/2019 7:00	3.702	116,691	7
9/16/2019 8:00	4.457	140,472	8
9/16/2019 9:00	4.880	153,818	9
9/16/2019 10:00	5.188	163,517	10
9/16/2019 11:00	5.650	178,078	11
9/16/2019 12:00	6.110	192,584	12
9/16/2019 13:00	6.115	192,722	13
9/16/2019 14:00	6.130	193,219	14
9/16/2019 15:00	6.176	194,653	15
9/16/2019 16:00	5.822	183,489	16
9/16/2019 17:00	5.441	171,479	17
9/16/2019 18:00	4.961	156,372	18
9/16/2019 19:00	4.527	142,667	19
9/16/2019 20:00	4.386	138,229	20
9/16/2019 21:00	4.028	126,956	21
9/16/2019 22:00	3.710	116,945	22
9/16/2019 23:00	3.403	107,243	23
9/17/2019 0:00	3.208	101,124	0
9/17/2019 1:00	3.065	96,600	1
9/17/2019 2:00	2.996	94,440	2
9/17/2019 3:00	2.749	86,630	3
9/17/2019 4:00	2.849	89,810	4
9/17/2019 5:00	3.019	95,164	5
9/17/2019 6:00	3.638	114,654	6
9/17/2019 7:00	4.110	129,546	7
9/17/2019 8:00	4.746	149,598	8
9/17/2019 9:00	5.150	162,329	9
9/17/2019 10:00	5.606	176,679	10
9/17/2019 11:00	6.014	189,548	11
9/17/2019 12:00	6.346	200,005	12
9/17/2019 13:00	6.401	201,758	13
9/17/2019 14:00	6.216	195,918	14
9/17/2019 15:00	6.104	192,373	15
9/17/2019 16:00	5.693	179,419	16
9/17/2019 17:00	5.172	163,016	17
9/17/2019 18:00	4.857	153,080	18
9/17/2019 19:00	4.560	143,714	19
9/17/2019 20:00	4.246	133,833	20
9/17/2019 21:00	3.891	122,632	21
9/17/2019 22:00	3.458	109,004	22
9/17/2019 23:00	3.203	100,939	23
9/18/2019 0:00	3.084	97,196	0
9/18/2019 1:00	2.880	90,763	1
9/18/2019 2:00	2.730	86,039	2



9/18/2019 3:00	2.577	81,215	3
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9/18/2019 6:00	3.454	108,847	6
9/18/2019 7:00	4.121	129,885	7
9/18/2019 8:00	4.726	148,947	8
9/18/2019 9:00	5.224	164,648	9
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9/18/2019 12:00	5.988	188,715	12
9/18/2019 13:00	6.177	194,697	13
9/18/2019 14:00	6.332	199,583	14
9/18/2019 15:00	6.198	195,332	15
9/18/2019 16:00	5.815	183,266	16
9/18/2019 17:00	5.345	168,459	17
9/18/2019 18:00	5.323	167,761	18
9/18/2019 19:00	4.985	157,108	19
9/18/2019 20:00	4.512	142,221	20
9/18/2019 21:00	3.862	121,724	21
9/18/2019 22:00	3.466	109,243	22
9/18/2019 23:00	3.316	104,503	23
9/19/2019 0:00	3.172	99,982	0
9/19/2019 1:00	2.952	93,025	1
9/19/2019 2:00	2.709	85,373	2
9/19/2019 3:00	2.681	84,486	3
9/19/2019 4:00	2.652	83,578	4
9/19/2019 5:00	2.871	90,485	5
9/19/2019 6:00	3.452	108,811	6
9/19/2019 7:00	3.941	124,211	7
9/19/2019 8:00	4.643	146,342	8
9/19/2019 9:00	5.084	160,237	9
9/19/2019 10:00	5.359	168,900	10
9/19/2019 11:00	5.601	176,546	11
9/19/2019 12:00	5.695	179,507	12
9/19/2019 13:00	5.688	179,274	13
9/19/2019 14:00	5.648	178,003	14
9/19/2019 15:00	5.534	174,415	15
9/19/2019 16:00	5.039	158,812	16
9/19/2019 17:00	4.718	148,708	17
9/19/2019 18:00	4.312	135,900	18
9/19/2019 19:00	3.965	124,965	19
9/19/2019 20:00	3.774	118,938	20
9/19/2019 21:00	3.512	110,681	21
9/19/2019 22:00	3.242	102,180	22
9/19/2019 23:00	2.868	90,391	23
9/20/2019 0:00	2.738	86,291	0
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9/20/2019 4:00	2.681	84,514	4
9/20/2019 5:00	2.910	91,709	5
9/20/2019 6:00	3.299	103,966	6
9/20/2019 7:00	3.928	123,791	7
9/20/2019 8:00	4.536	142,954	8
9/20/2019 9:00	4.933	155,477	9
9/20/2019 10:00	5.476	172,594	10
9/20/2019 11:00	5.700	179,656	11
9/20/2019 12:00	5.734	180,731	12
9/20/2019 13:00	5.778	182,097	13
9/20/2019 14:00	5.928	186,849	14
9/20/2019 15:00	5.878	185,267	15
9/20/2019 16:00	5.459	172,049	16
9/20/2019 17:00	4.889	154,080	17
9/20/2019 18:00	4.555	143,560	18
9/20/2019 19:00	4.231	133,346	19
9/20/2019 20:00	4.013	126,481	20
9/20/2019 21:00	3.846	121,204	21
9/20/2019 22:00	3.603	113,557	22
9/20/2019 23:00	3.309	104,296	23
9/21/2019 0:00	3.147	99,176	0
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9/21/2019 2:00	2.681	84,486	2
9/21/2019 3:00	2.641	83,231	3
9/21/2019 4:00	2.562	80,751	4
9/21/2019 5:00	2.544	80,174	5
9/21/2019 6:00	2.765	87,135	6
9/21/2019 7:00	3.002	94,606	7
9/21/2019 8:00	3.218	101,426	8
9/21/2019 9:00	3.534	111,378	9
9/21/2019 10:00	3.909	123,211	10
9/21/2019 11:00	4.198	132,312	11
9/21/2019 12:00	4.297	135,437	12
9/21/2019 13:00	4.292	135,290	13
9/21/2019 14:00	4.426	139,492	14
9/21/2019 15:00	4.297	135,444	15
9/21/2019 16:00	4.223	133,086	16
9/21/2019 17:00	4.137	130,381	17
9/21/2019 18:00	4.012	126,463	18
9/21/2019 19:00	3.944	124,312	19
9/21/2019 20:00	3.794	119,589	20
9/21/2019 21:00	3.550	111,876	21
9/21/2019 22:00	3.215	101,337	22
9/21/2019 23:00	2.985	94,090	23
9/22/2019 0:00	2.832	89,267	0

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9/22/2019 2:00	2.584	81,441	2
9/22/2019 3:00	2.565	80,845	3
9/22/2019 4:00	2.563	80,770	4
9/22/2019 5:00	2.523	79,508	5
9/22/2019 6:00	2.509	79,074	6
9/22/2019 7:00	2.737	86,275	7
9/22/2019 8:00	2.845	89,660	8
9/22/2019 9:00	3.091	97,437	9
9/22/2019 10:00	3.561	112,225	10
9/22/2019 11:00	3.857	121,569	11
9/22/2019 12:00	3.880	122,274	12
9/22/2019 13:00	4.062	128,016	13
9/22/2019 14:00	4.218	132,941	14
9/22/2019 15:00	4.238	133,576	15
9/22/2019 16:00	4.365	137,573	16
9/22/2019 17:00	4.422	139,386	17
9/22/2019 18:00	4.155	130,962	18
9/22/2019 19:00	3.850	121,340	19
9/22/2019 20:00	3.559	112,172	20
9/22/2019 21:00	3.395	107,008	21
9/22/2019 22:00	3.006	94,755	22
9/22/2019 23:00	2.835	89,342	23
9/23/2019 0:00	2.648	83,463	0
9/23/2019 1:00	2.548	80,297	1
9/23/2019 2:00	2.539	80,031	2
9/23/2019 3:00	2.564	80,809	3
9/23/2019 4:00	2.648	83,472	4
9/23/2019 5:00	2.896	91,275	5
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9/23/2019 7:00	3.993	125,852	7
9/23/2019 8:00	4.605	145,149	8
9/23/2019 9:00	4.895	154,274	9
9/23/2019 10:00	5.152	162,383	10
9/23/2019 11:00	5.217	164,416	11
9/23/2019 12:00	5.316	167,554	12
9/23/2019 13:00	5.368	169,176	13
9/23/2019 14:00	5.299	167,020	14
9/23/2019 15:00	5.150	162,326	15
9/23/2019 16:00	4.759	149,994	16
9/23/2019 17:00	4.136	130,348	17
9/23/2019 18:00	3.861	121,694	18
9/23/2019 19:00	3.695	116,472	19
9/23/2019 20:00	3.621	114,131	20
9/23/2019 21:00	3.467	109,258	21
9/23/2019 22:00	3.335	105,100	22
9/23/2019 23:00	3.078	97,006	23

9/24/2019 0:00	2.963	93,389	0
9/24/2019 1:00	2.845	89,662	1
9/24/2019 2:00	2.693	84,893	2
9/24/2019 3:00	2.485	78,326	3
9/24/2019 4:00	2.542	80,131	4
9/24/2019 5:00	2.903	91,487	5
9/24/2019 6:00	3.401	107,178	6
9/24/2019 7:00	3.863	121,749	7
9/24/2019 8:00	4.512	142,222	8
9/24/2019 9:00	4.843	152,652	9
9/24/2019 10:00	5.013	158,013	10
9/24/2019 11:00	5.084	160,222	11
9/24/2019 12:00	5.206	164,088	12
9/24/2019 13:00	5.263	165,887	13
9/24/2019 14:00	5.359	168,916	14
9/24/2019 15:00	5.273	166,180	15
9/24/2019 16:00	4.943	155,785	16
9/24/2019 17:00	4.632	146,005	17
9/24/2019 18:00	4.283	135,000	18
9/24/2019 19:00	3.911	123,264	19
9/24/2019 20:00	3.772	118,890	20
9/24/2019 21:00	3.411	107,513	21
9/24/2019 22:00	3.011	94,885	22
9/24/2019 23:00	2.867	90,371	23
9/25/2019 0:00	2.782	87,685	0
9/25/2019 1:00	2.650	83,535	1
9/25/2019 2:00	2.422	76,341	2
9/25/2019 3:00	2.343	73,859	3
9/25/2019 4:00	2.387	75,242	4
9/25/2019 5:00	2.575	81,168	5
9/25/2019 6:00	3.098	97,633	6
9/25/2019 7:00	3.668	115,613	7
9/25/2019 8:00	4.189	132,042	8
9/25/2019 9:00	4.579	144,319	9
9/25/2019 10:00	4.919	155,044	10
9/25/2019 11:00	5.113	161,151	11
9/25/2019 12:00	5.374	169,363	12
9/25/2019 13:00	5.567	175,461	13
9/25/2019 14:00	5.553	175,022	14
9/25/2019 15:00	5.454	171,891	15
9/25/2019 16:00	5.276	166,286	16
9/25/2019 17:00	4.837	152,466	17
9/25/2019 18:00	4.511	142,169	18
9/25/2019 19:00	4.214	132,822	19
9/25/2019 20:00	3.829	120,667	20
9/25/2019 21:00	3.364	106,023	21
9/25/2019 22:00	3.053	96,223	22

9/25/2019 23:00	2.885	90,937	23
9/26/2019 0:00	2.806	88,444	0
9/26/2019 1:00	2.624	82,687	1
9/26/2019 2:00	2.514	79,235	2
9/26/2019 3:00	2.553	80,479	3
9/26/2019 4:00	2.643	83,298	4
9/26/2019 5:00	2.983	94,003	5
9/26/2019 6:00	3.620	114,105	6
9/26/2019 7:00	3.971	125,156	7
9/26/2019 8:00	4.572	144,087	8
9/26/2019 9:00	5.019	158,183	9
9/26/2019 10:00	5.264	165,895	10
9/26/2019 11:00	5.367	169,152	11
9/26/2019 12:00	5.416	170,697	12
9/26/2019 13:00	5.455	171,917	13
9/26/2019 14:00	5.545	174,776	14
9/26/2019 15:00	5.572	175,633	15
9/26/2019 16:00	5.124	161,507	16
9/26/2019 17:00	4.802	151,359	17
9/26/2019 18:00	4.588	144,603	18
9/26/2019 19:00	4.206	132,576	19
9/26/2019 20:00	3.942	124,258	20
9/26/2019 21:00	3.609	113,741	21
9/26/2019 22:00	3.165	99,769	22
9/26/2019 23:00	3.002	94,618	23
9/27/2019 0:00	2.777	87,526	0
9/27/2019 1:00	2.699	85,059	1
9/27/2019 2:00	2.534	79,879	2
9/27/2019 3:00	2.440	76,890	3
9/27/2019 4:00	2.591	81,652	4
9/27/2019 5:00	2.810	88,563	5
9/27/2019 6:00	3.241	102,142	6
9/27/2019 7:00	3.676	115,853	7
9/27/2019 8:00	4.211	132,733	8
9/27/2019 9:00	4.588	144,593	9
9/27/2019 10:00	4.831	152,267	10
9/27/2019 11:00	5.248	165,398	11
9/27/2019 12:00	5.529	174,275	12
9/27/2019 13:00	5.774	181,977	13
9/27/2019 14:00	5.953	187,636	14
9/27/2019 15:00	5.780	182,170	15
9/27/2019 16:00	5.451	171,795	16
9/27/2019 17:00	4.988	157,224	17
9/27/2019 18:00	4.503	141,919	18
9/27/2019 19:00	4.330	136,457	19
9/27/2019 20:00	4.074	128,416	20
9/27/2019 21:00	3.813	120,165	21

9/27/2019 22:00	3.529	111,217	22
9/27/2019 23:00	3.247	102,350	23
9/28/2019 0:00	3.128	98,589	0
9/28/2019 1:00	3.021	95,201	1
9/28/2019 2:00	2.896	91,266	2
9/28/2019 3:00	2.725	85,900	3
9/28/2019 4:00	2.696	84,968	4
9/28/2019 5:00	2.737	86,260	5
9/28/2019 6:00	2.913	91,819	6
9/28/2019 7:00	3.054	96,269	7
9/28/2019 8:00	3.245	102,260	8
9/28/2019 9:00	3.555	112,048	9
9/28/2019 10:00	3.805	119,939	10
9/28/2019 11:00	4.047	127,558	11
9/28/2019 12:00	4.299	135,482	12
9/28/2019 13:00	4.363	137,497	13
9/28/2019 14:00	4.524	142,586	14
9/28/2019 15:00	4.616	145,498	15
9/28/2019 16:00	4.585	144,497	16
9/28/2019 17:00	4.403	138,758	17
9/28/2019 18:00	4.364	137,554	18
9/28/2019 19:00	4.161	131,155	19
9/28/2019 20:00	3.891	122,622	20
9/28/2019 21:00	3.655	115,212	21
9/28/2019 22:00	3.322	104,701	22
9/28/2019 23:00	3.109	97,991	23
9/29/2019 0:00	3.046	95,992	0
9/29/2019 1:00	2.887	90,980	1
9/29/2019 2:00	2.786	87,809	2
9/29/2019 3:00	2.736	86,236	3
9/29/2019 4:00	2.726	85,920	4
9/29/2019 5:00	2.684	84,588	5
9/29/2019 6:00	2.724	85,839	6
9/29/2019 7:00	2.692	84,843	7
9/29/2019 8:00	2.839	89,485	8
9/29/2019 9:00	3.207	101,075	9
9/29/2019 10:00	3.676	115,862	10
9/29/2019 11:00	3.882	122,343	11
9/29/2019 12:00	4.078	128,519	12
9/29/2019 13:00	4.253	134,052	13
9/29/2019 14:00	4.290	135,205	14
9/29/2019 15:00	4.375	137,892	15
9/29/2019 16:00	4.459	140,525	16
9/29/2019 17:00	4.374	137,870	17
9/29/2019 18:00	4.249	133,916	18
9/29/2019 19:00	4.065	128,110	19
9/29/2019 20:00	3.790	119,443	20

9/29/2019 21:00	3.532	111,320	21
9/29/2019 22:00	3.256	102,614	22
9/29/2019 23:00	3.031	95,517	23
9/30/2019 0:00	2.853	89,907	0
9/30/2019 1:00	2.809	88,527	1
9/30/2019 2:00	2.834	89,336	2
9/30/2019 3:00	2.698	85,035	3
9/30/2019 4:00	2.807	88,486	4
9/30/2019 5:00	3.080	97,083	5
9/30/2019 6:00	3.571	112,555	6
9/30/2019 7:00	4.015	126,542	7
9/30/2019 8:00	4.676	147,393	8
9/30/2019 9:00	5.195	163,727	9
9/30/2019 10:00	5.548	174,846	10
9/30/2019 11:00	5.909	186,240	11
9/30/2019 12:00	6.237	196,591	12
9/30/2019 13:00	6.313	198,970	13
9/30/2019 14:00	6.205	195,553	14
9/30/2019 15:00	6.117	192,790	15
9/30/2019 16:00	5.632	177,512	16
9/30/2019 17:00	5.245	165,319	17
9/30/2019 18:00	4.826	152,116	18
9/30/2019 19:00	4.542	143,151	19
9/30/2019 20:00	4.296	135,393	20
9/30/2019 21:00	3.926	123,728	21
9/30/2019 22:00	3.628	114,362	22
9/30/2019 23:00	3.342	105,330	23
10/1/2019 0:00	3.106	97,894	0
10/1/2019 1:00	2.976	93,805	1
10/1/2019 2:00	2.819	88,848	2
10/1/2019 3:00	2.800	88,265	3
10/1/2019 4:00	2.848	89,749	4
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10/1/2019 7:00	3.857	121,549	7
10/1/2019 8:00	4.528	142,721	8
10/1/2019 9:00	5.154	162,440	9
10/1/2019 10:00	5.610	176,810	10
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10/1/2019 12:00	6.011	189,463	12
10/1/2019 13:00	6.125	193,058	13
10/1/2019 14:00	6.188	195,048	14
10/1/2019 15:00	6.040	190,379	15
10/1/2019 16:00	5.674	178,835	16
10/1/2019 17:00	5.228	164,772	17
10/1/2019 18:00	4.784	150,773	18
10/1/2019 19:00	4.415	139,145	19

10/1/2019 20:00	4.211	132,710	20
10/1/2019 21:00	3.874	122,095	21
10/1/2019 22:00	3.440	108,433	22
10/1/2019 23:00	3.199	100,833	23
10/2/2019 0:00	2.957	93,206	0
10/2/2019 1:00	2.804	88,386	1
10/2/2019 2:00	2.711	85,433	2
10/2/2019 3:00	2.566	80,866	3
10/2/2019 4:00	2.650	83,535	4
10/2/2019 5:00	2.897	91,301	5
10/2/2019 6:00	3.434	108,220	6
10/2/2019 7:00	3.793	119,552	7
10/2/2019 8:00	4.291	135,230	8
10/2/2019 9:00	4.780	150,669	9
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10/2/2019 12:00	5.867	184,915	12
10/2/2019 13:00	6.051	190,699	13
10/2/2019 14:00	6.184	194,892	14
10/2/2019 15:00	6.036	190,256	15
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10/2/2019 17:00	5.431	171,185	17
10/2/2019 18:00	4.979	156,939	18
10/2/2019 19:00	4.575	144,198	19
10/2/2019 20:00	4.039	127,303	20
10/2/2019 21:00	3.762	118,567	21
10/2/2019 22:00	3.346	105,457	22
10/2/2019 23:00	3.097	97,610	23
10/3/2019 0:00	2.862	90,189	0
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10/3/2019 7:00	3.693	116,405	7
10/3/2019 8:00	4.080	128,587	8
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10/3/2019 10:00	4.928	155,320	10
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10/3/2019 13:00	5.920	186,587	13
10/3/2019 14:00	5.895	185,791	14
10/3/2019 15:00	5.950	187,531	15
10/3/2019 16:00	5.634	177,570	16
10/3/2019 17:00	5.205	164,066	17
10/3/2019 18:00	4.845	152,710	18



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10/3/2019 22:00	3.543	111,660	22
10/3/2019 23:00	3.307	104,232	23
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10/4/2019 16:00	4.478	141,122	16
10/4/2019 17:00	3.866	121,844	17
10/4/2019 18:00	3.623	114,177	18
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10/4/2019 20:00	3.338	105,212	20
10/4/2019 21:00	3.173	100,002	21
10/4/2019 22:00	2.851	89,865	22
10/4/2019 23:00	2.699	85,078	23
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10/5/2019 15:00	3.720	117,233	15
10/5/2019 16:00	3.691	116,334	16
10/5/2019 17:00	3.539	111,553	17

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10/5/2019 19:00	3.527	111,174	19
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10/5/2019 21:00	3.203	100,954	21
10/5/2019 22:00	2.971	93,641	22
10/5/2019 23:00	2.752	86,737	23
10/6/2019 0:00	2.508	79,061	0
10/6/2019 1:00	2.488	78,414	1
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10/6/2019 3:00	2.322	73,181	3
10/6/2019 4:00	2.370	74,703	4
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10/6/2019 14:00	3.278	103,306	14
10/6/2019 15:00	3.252	102,483	15
10/6/2019 16:00	3.246	102,316	16
10/6/2019 17:00	3.164	99,736	17
10/6/2019 18:00	3.161	99,617	18
10/6/2019 19:00	3.069	96,725	19
10/6/2019 20:00	2.910	91,725	20
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10/6/2019 22:00	2.661	83,873	22
10/6/2019 23:00	2.479	78,145	23
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10/7/2019 3:00	2.363	74,484	3
10/7/2019 4:00	2.471	77,882	4
10/7/2019 5:00	2.691	84,826	5
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10/7/2019 14:00	4.200	132,376	14
10/7/2019 15:00	3.975	125,288	15
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10/7/2019 19:00	3.058	96,375	19
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10/7/2019 23:00	2.553	80,473	23
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10/8/2019 3:00	2.238	70,544	3
10/8/2019 4:00	2.274	71,660	4
10/8/2019 5:00	2.481	78,209	5
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10/8/2019 12:00	4.172	131,494	12
10/8/2019 13:00	4.205	132,546	13
10/8/2019 14:00	4.235	133,475	14
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10/8/2019 18:00	3.251	102,475	18
10/8/2019 19:00	3.215	101,337	19
10/8/2019 20:00	3.068	96,698	20
10/8/2019 21:00	2.954	93,115	21
10/8/2019 22:00	2.666	84,011	22
10/8/2019 23:00	2.527	79,633	23
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10/9/2019 3:00	2.177	68,603	3
10/9/2019 4:00	2.257	71,135	4
10/9/2019 5:00	2.526	79,613	5
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10/9/2019 7:00	3.537	111,490	7
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10/9/2019 12:00	4.360	137,432	12
10/9/2019 13:00	4.477	141,096	13
10/9/2019 14:00	4.656	146,752	14
10/9/2019 15:00	4.636	146,112	15

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10/9/2019 17:00	3.848	121,292	17
10/9/2019 18:00	3.639	114,681	18
10/9/2019 19:00	3.642	114,789	19
10/9/2019 20:00	3.190	100,544	20
10/9/2019 21:00	2.935	92,510	21
10/9/2019 22:00	2.665	83,986	22
10/9/2019 23:00	2.614	82,376	23
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10/10/2019 1:00	2.361	74,404	1
10/10/2019 2:00	2.317	73,030	2
10/10/2019 3:00	2.309	72,782	3
10/10/2019 4:00	2.231	70,315	4
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10/10/2019 13:00	4.712	148,501	13
10/10/2019 14:00	4.762	150,092	14
10/10/2019 15:00	4.731	149,122	15
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10/10/2019 17:00	4.042	127,406	17
10/10/2019 18:00	3.713	117,030	18
10/10/2019 19:00	3.555	112,061	19
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10/10/2019 22:00	2.675	84,300	22
10/10/2019 23:00	2.525	79,573	23
10/11/2019 0:00	2.461	77,572	0
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10/11/2019 3:00	2.125	66,979	3
10/11/2019 4:00	2.162	68,157	4
10/11/2019 5:00	2.314	72,925	5
10/11/2019 6:00	2.714	85,549	6
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10/11/2019 8:00	3.797	119,686	8
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10/11/2019 13:00	4.777	150,571	13
10/11/2019 14:00	4.824	152,045	14

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10/11/2019 19:00	3.616	113,964	19
10/11/2019 20:00	3.476	109,546	20
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10/11/2019 22:00	2.913	91,822	22
10/11/2019 23:00	2.773	87,385	23
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10/12/2019 14:00	2.521	79,468	14
10/12/2019 15:00	2.599	81,904	15
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10/12/2019 17:00	2.514	79,249	17
10/12/2019 18:00	2.581	81,340	18
10/12/2019 19:00	2.609	82,245	19
10/12/2019 20:00	2.537	79,961	20
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10/12/2019 22:00	2.393	75,429	22
10/12/2019 23:00	2.334	73,555	23
10/13/2019 0:00	2.200	69,339	0
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10/13/2019 17:00	2.579	81,276	17
10/13/2019 18:00	2.535	79,904	18
10/13/2019 19:00	2.580	81,324	19
10/13/2019 20:00	2.447	77,131	20
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10/13/2019 22:00	2.310	72,800	22
10/13/2019 23:00	2.241	70,642	23
10/14/2019 0:00	2.171	68,427	0
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10/14/2019 3:00	2.080	65,560	3
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10/14/2019 18:00	3.269	103,043	18
10/14/2019 19:00	3.181	100,249	19
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10/14/2019 23:00	2.458	77,484	23
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10/15/2019 22:00	2.861	90,163	22
10/15/2019 23:00	2.724	85,868	23
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10/16/2019 15:00	3.928	123,811	15
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10/16/2019 20:00	3.012	94,942	20
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10/16/2019 22:00	2.656	83,700	22
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10/17/2019 15:00	3.872	122,051	15
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10/18/2019 14:00	4.051	127,692	14
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10/18/2019 18:00	3.077	96,967	18
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10/18/2019 20:00	3.032	95,569	20
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10/18/2019 23:00	2.596	81,831	23
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10/19/2019 2:00	2.477	78,067	2
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10/19/2019 22:00	2.379	74,969	22
10/19/2019 23:00	2.374	74,812	23
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10/20/2019 23:00	2.355	74,233	23
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10/21/2019 23:00	2.639	83,168	23
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10/22/2019 22:00	2.763	87,087	22
10/22/2019 23:00	2.624	82,712	23
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10/23/2019 2:00	2.316	73,003	2
10/23/2019 3:00	2.248	70,854	3
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10/23/2019 23:00	2.627	82,783	23
10/24/2019 0:00	2.605	82,107	0
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10/24/2019 3:00	2.343	73,861	3
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10/24/2019 18:00	3.306	104,207	18
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10/24/2019 23:00	2.512	79,178	23
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10/25/2019 3:00	2.271	71,582	3
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10/25/2019 18:00	3.341	105,316	18
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10/25/2019 22:00	2.677	84,383	22
10/25/2019 23:00	2.543	80,137	23
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10/26/2019 3:00	2.247	70,822	3
10/26/2019 4:00	2.288	72,120	4
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10/26/2019 8:00	2.805	88,412	8
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10/26/2019 22:00	2.602	82,011	22
10/26/2019 23:00	2.460	77,521	23
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10/27/2019 3:00	2.104	66,306	3
10/27/2019 4:00	2.116	66,702	4
10/27/2019 5:00	2.131	67,172	5
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10/27/2019 14:00	2.544	80,189	14
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10/27/2019 17:00	2.823	88,983	17
10/27/2019 18:00	2.812	88,639	18
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10/27/2019 22:00	2.368	74,632	22
10/27/2019 23:00	2.409	75,913	23
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10/28/2019 3:00	2.176	68,592	3
10/28/2019 4:00	2.279	71,820	4
10/28/2019 5:00	2.509	79,072	5
10/28/2019 6:00	3.020	95,191	6
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10/28/2019 12:00	4.308	135,781	12
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10/28/2019 14:00	4.420	139,303	14
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10/28/2019 16:00	3.824	120,532	16
10/28/2019 17:00	3.502	110,386	17
10/28/2019 18:00	3.165	99,755	18
10/28/2019 19:00	3.210	101,181	19
10/28/2019 20:00	3.017	95,075	20
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10/28/2019 22:00	2.717	85,647	22
10/28/2019 23:00	2.566	80,866	23
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10/29/2019 3:00	2.332	73,499	3
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10/29/2019 12:00	4.285	135,066	12
10/29/2019 13:00	4.453	140,349	13
10/29/2019 14:00	4.374	137,848	14
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10/29/2019 16:00	3.723	117,355	16
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10/29/2019 20:00	3.076	96,946	20
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10/29/2019 22:00	2.676	84,350	22
10/29/2019 23:00	2.551	80,400	23
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10/30/2019 12:00	4.276	134,780	12
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10/30/2019 14:00	4.262	134,319	14
10/30/2019 15:00	4.039	127,300	15
10/30/2019 16:00	3.716	117,131	16
10/30/2019 17:00	3.326	104,826	17
10/30/2019 18:00	3.246	102,298	18
10/30/2019 19:00	3.296	103,881	19
10/30/2019 20:00	3.048	96,064	20
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10/30/2019 22:00	2.783	87,720	22
10/30/2019 23:00	2.629	82,871	23
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10/31/2019 3:00	2.233	70,387	3
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10/31/2019 17:00	3.189	100,499	17
10/31/2019 18:00	3.011	94,914	18
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11/1/2019 17:00	3.053	96,231	17
11/1/2019 18:00	2.853	89,918	18
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11/1/2019 21:00	2.852	89,895	21
11/1/2019 22:00	2.752	86,732	22
11/1/2019 23:00	2.616	82,445	23
11/2/2019 0:00	2.630	82,880	0
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11/2/2019 2:00	2.678	84,391	2
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11/2/2019 22:00	2.456	77,422	22
11/2/2019 23:00	2.388	75,258	23
11/3/2019 0:00	2.443	76,995	0
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11/3/2019 12:00	2.509	79,067	12
11/3/2019 13:00	2.418	76,206	13
11/3/2019 14:00	2.428	76,526	14
11/3/2019 15:00	2.402	75,716	15
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11/3/2019 17:00	2.560	80,687	17
11/3/2019 18:00	2.544	80,187	18
11/3/2019 19:00	2.517	79,327	19
11/3/2019 20:00	2.469	77,825	20
11/3/2019 21:00	2.487	78,388	21
11/3/2019 22:00	2.477	78,060	22
11/3/2019 23:00	2.553	80,451	23
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11/4/2019 10:00	4.290	135,209	10
11/4/2019 11:00	3.972	125,196	11
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11/4/2019 15:00	3.498	110,257	15
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11/4/2019 17:00	2.975	93,777	17
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11/4/2019 21:00	2.644	83,330	21
11/4/2019 22:00	2.565	80,830	22
11/4/2019 23:00	2.537	79,962	23
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11/5/2019 2:00	2.546	80,247	2
11/5/2019 3:00	2.505	78,953	3
11/5/2019 4:00	2.627	82,806	4
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11/5/2019 8:00	3.932	123,917	8
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11/5/2019 14:00	3.603	113,549	14
11/5/2019 15:00	3.582	112,912	15
11/5/2019 16:00	3.240	102,127	16
11/5/2019 17:00	3.018	95,126	17
11/5/2019 18:00	2.927	92,252	18
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11/5/2019 20:00	2.686	84,642	20
11/5/2019 21:00	2.592	81,693	21
11/5/2019 22:00	2.529	79,717	22
11/5/2019 23:00	2.418	76,223	23
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11/6/2019 15:00	3.569	112,500	15
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11/6/2019 17:00	3.272	103,117	17
11/6/2019 18:00	3.117	98,241	18
11/6/2019 19:00	2.906	91,598	19
11/6/2019 20:00	2.720	85,729	20
11/6/2019 21:00	2.571	81,018	21
11/6/2019 22:00	2.479	78,132	22
11/6/2019 23:00	2.420	76,261	23
11/7/2019 0:00	2.285	72,027	0
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11/7/2019 4:00	2.302	72,556	4
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11/7/2019 15:00	3.654	115,178	15
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11/7/2019 18:00	3.085	97,234	18
11/7/2019 19:00	2.922	92,093	19
11/7/2019 20:00	2.997	94,446	20
11/7/2019 21:00	2.864	90,282	21
11/7/2019 22:00	2.769	87,281	22
11/7/2019 23:00	2.860	90,130	23
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11/8/2019 4:00	2.951	93,020	4
11/8/2019 5:00	3.103	97,794	5
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11/8/2019 8:00	4.476	141,065	8
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11/8/2019 11:00	4.550	143,403	11
11/8/2019 12:00	4.391	138,400	12
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11/8/2019 14:00	4.046	127,537	14
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11/8/2019 17:00	3.488	109,927	17
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11/8/2019 20:00	3.348	105,519	20
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11/8/2019 22:00	3.238	102,064	22
11/8/2019 23:00	3.265	102,916	23
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11/9/2019 3:00	3.186	100,411	3
11/9/2019 4:00	3.300	104,007	4
11/9/2019 5:00	3.352	105,645	5
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11/9/2019 7:00	3.719	117,229	7
11/9/2019 8:00	3.745	118,022	8
11/9/2019 9:00	3.817	120,319	9
11/9/2019 10:00	3.591	113,177	10
11/9/2019 11:00	3.332	105,003	11
11/9/2019 12:00	3.211	101,216	12
11/9/2019 13:00	3.091	97,427	13
11/9/2019 14:00	3.011	94,889	14
11/9/2019 15:00	2.959	93,249	15
11/9/2019 16:00	2.879	90,738	16
11/9/2019 17:00	2.820	88,878	17
11/9/2019 18:00	2.966	93,488	18
11/9/2019 19:00	2.990	94,252	19
11/9/2019 20:00	2.974	93,724	20
11/9/2019 21:00	2.985	94,092	21
11/9/2019 22:00	2.879	90,743	22
11/9/2019 23:00	2.925	92,183	23

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11/10/2019 3:00	2.759	86,969	3
11/10/2019 4:00	2.806	88,427	4
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11/10/2019 18:00	2.658	83,765	18
11/10/2019 19:00	2.672	84,212	19
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11/10/2019 22:00	2.467	77,745	22
11/10/2019 23:00	2.468	77,800	23
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11/11/2019 8:00	4.170	131,436	8
11/11/2019 9:00	4.177	131,644	9
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11/11/2019 14:00	3.616	113,979	14
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11/11/2019 18:00	2.963	93,379	18
11/11/2019 19:00	2.840	89,503	19
11/11/2019 20:00	2.725	85,895	20
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11/11/2019 22:00	2.487	78,373	22

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11/12/2019 14:00	4.551	143,422	14
11/12/2019 15:00	4.364	137,545	15
11/12/2019 16:00	4.201	132,419	16
11/12/2019 17:00	4.106	129,407	17
11/12/2019 18:00	4.118	129,784	18
11/12/2019 19:00	4.115	129,703	19
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11/12/2019 22:00	3.841	121,071	22
11/12/2019 23:00	3.903	123,002	23
11/13/2019 0:00	3.845	121,184	0
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11/13/2019 15:00	4.181	131,765	15
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11/13/2019 18:00	4.234	133,439	18
11/13/2019 19:00	4.040	127,323	19
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11/14/2019 18:00	3.526	111,146	18
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11/14/2019 20:00	3.548	111,830	20
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11/14/2019 22:00	3.427	108,000	22
11/14/2019 23:00	3.408	107,410	23
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11/15/2019 17:00	3.281	103,415	17
11/15/2019 18:00	3.189	100,503	18
11/15/2019 19:00	3.164	99,707	19
11/15/2019 20:00	3.257	102,645	20

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11/15/2019 22:00	3.172	99,978	22
11/15/2019 23:00	3.198	100,802	23
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11/16/2019 3:00	3.192	100,605	3
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11/16/2019 11:00	3.474	109,478	11
11/16/2019 12:00	3.298	103,934	12
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11/16/2019 14:00	2.944	92,802	14
11/16/2019 15:00	2.847	89,738	15
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11/16/2019 18:00	3.050	96,128	18
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11/16/2019 22:00	3.186	100,405	22
11/16/2019 23:00	3.213	101,280	23
11/17/2019 0:00	3.206	101,061	0
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11/17/2019 2:00	3.156	99,478	2
11/17/2019 3:00	3.213	101,270	3
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11/17/2019 5:00	3.336	105,144	5
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11/17/2019 15:00	2.544	80,191	15
11/17/2019 16:00	2.680	84,463	16
11/17/2019 17:00	2.779	87,598	17
11/17/2019 18:00	2.797	88,147	18
11/17/2019 19:00	2.740	86,358	19

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11/17/2019 22:00	2.645	83,373	22
11/17/2019 23:00	2.626	82,769	23
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11/18/2019 4:00	2.812	88,630	4
11/18/2019 5:00	3.175	100,055	5
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11/18/2019 12:00	4.143	130,568	12
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11/18/2019 14:00	3.943	124,273	14
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11/18/2019 17:00	3.366	106,079	17
11/18/2019 18:00	3.209	101,140	18
11/18/2019 19:00	3.006	94,752	19
11/18/2019 20:00	3.002	94,626	20
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11/18/2019 22:00	2.799	88,220	22
11/18/2019 23:00	2.738	86,296	23
11/19/2019 0:00	2.712	85,489	0
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11/19/2019 3:00	2.582	81,370	3
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11/19/2019 13:00	3.877	122,194	13
11/19/2019 14:00	3.843	121,132	14
11/19/2019 15:00	3.581	112,865	15
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11/19/2019 17:00	3.309	104,299	17
11/19/2019 18:00	3.079	97,058	18



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11/19/2019 22:00	2.668	84,078	22
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11/20/2019 3:00	2.337	73,669	3
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11/20/2019 8:00	3.992	125,812	8
11/20/2019 9:00	4.217	132,921	9
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11/20/2019 12:00	4.165	131,260	12
11/20/2019 13:00	4.126	130,043	13
11/20/2019 14:00	4.089	128,869	14
11/20/2019 15:00	3.661	115,380	15
11/20/2019 16:00	3.413	107,564	16
11/20/2019 17:00	3.453	108,819	17
11/20/2019 18:00	3.314	104,443	18
11/20/2019 19:00	3.192	100,597	19
11/20/2019 20:00	3.032	95,572	20
11/20/2019 21:00	2.992	94,296	21
11/20/2019 22:00	2.822	88,932	22
11/20/2019 23:00	2.763	87,088	23
11/21/2019 0:00	2.771	87,346	0
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11/21/2019 2:00	2.614	82,397	2
11/21/2019 3:00	2.581	81,341	3
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11/21/2019 13:00	3.980	125,444	13
11/21/2019 14:00	3.904	123,054	14
11/21/2019 15:00	3.728	117,508	15
11/21/2019 16:00	3.414	107,607	16
11/21/2019 17:00	3.404	107,295	17

11/21/2019 18:00	3.284	103,508	18
11/21/2019 19:00	3.148	99,216	19
11/21/2019 20:00	2.964	93,430	20
11/21/2019 21:00	2.838	89,447	21
11/21/2019 22:00	2.620	82,562	22
11/21/2019 23:00	2.518	79,348	23
11/22/2019 0:00	2.425	76,421	0
11/22/2019 1:00	2.358	74,327	1
11/22/2019 2:00	2.425	76,432	2
11/22/2019 3:00	2.321	73,142	3
11/22/2019 4:00	2.381	75,029	4
11/22/2019 5:00	2.535	79,894	5
11/22/2019 6:00	2.886	90,964	6
11/22/2019 7:00	3.336	105,154	7
11/22/2019 8:00	3.822	120,447	8
11/22/2019 9:00	3.923	123,653	9
11/22/2019 10:00	3.958	124,739	10
11/22/2019 11:00	3.922	123,607	11
11/22/2019 12:00	3.833	120,812	12
11/22/2019 13:00	3.766	118,684	13
11/22/2019 14:00	3.770	118,818	14
11/22/2019 15:00	3.606	113,659	15
11/22/2019 16:00	3.314	104,445	16
11/22/2019 17:00	3.274	103,180	17
11/22/2019 18:00	3.085	97,226	18
11/22/2019 19:00	2.921	92,059	19
11/22/2019 20:00	2.896	91,271	20
11/22/2019 21:00	2.921	92,068	21
11/22/2019 22:00	2.705	85,257	22
11/22/2019 23:00	2.785	87,780	23
11/23/2019 0:00	2.784	87,754	0
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11/23/2019 3:00	2.606	82,132	3
11/23/2019 4:00	2.632	82,959	4
11/23/2019 5:00	2.707	85,312	5
11/23/2019 6:00	2.924	92,154	6
11/23/2019 7:00	2.871	90,486	7
11/23/2019 8:00	3.083	97,182	8
11/23/2019 9:00	3.062	96,494	9
11/23/2019 10:00	3.169	99,869	10
11/23/2019 11:00	3.169	99,868	11
11/23/2019 12:00	3.045	95,981	12
11/23/2019 13:00	2.972	93,673	13
11/23/2019 14:00	2.925	92,205	14
11/23/2019 15:00	2.913	91,805	15
11/23/2019 16:00	2.833	89,287	16

11/23/2019 17:00	2.894	91,207	17
11/23/2019 18:00	2.937	92,561	18
11/23/2019 19:00	2.855	89,996	19
11/23/2019 20:00	2.807	88,485	20
11/23/2019 21:00	2.728	85,995	21
11/23/2019 22:00	2.600	81,935	22
11/23/2019 23:00	2.519	79,407	23
11/24/2019 0:00	2.607	82,155	0
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11/24/2019 2:00	2.701	85,124	2
11/24/2019 3:00	2.591	81,677	3
11/24/2019 4:00	2.653	83,604	4
11/24/2019 5:00	2.721	85,770	5
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11/24/2019 7:00	2.948	92,906	7
11/24/2019 8:00	2.983	94,026	8
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11/24/2019 10:00	3.017	95,100	10
11/24/2019 11:00	2.967	93,519	11
11/24/2019 12:00	2.919	92,003	12
11/24/2019 13:00	2.737	86,260	13
11/24/2019 14:00	2.639	83,171	14
11/24/2019 15:00	2.654	83,641	15
11/24/2019 16:00	2.715	85,580	16
11/24/2019 17:00	2.872	90,515	17
11/24/2019 18:00	2.914	91,845	18
11/24/2019 19:00	2.841	89,541	19
11/24/2019 20:00	2.879	90,728	20
11/24/2019 21:00	2.897	91,321	21
11/24/2019 22:00	2.901	91,440	22
11/24/2019 23:00	2.911	91,750	23
11/25/2019 0:00	2.916	91,912	0
11/25/2019 1:00	2.903	91,491	1
11/25/2019 2:00	2.906	91,589	2
11/25/2019 3:00	2.826	89,060	3
11/25/2019 4:00	3.145	99,130	4
11/25/2019 5:00	3.356	105,759	5
11/25/2019 6:00	3.947	124,403	6
11/25/2019 7:00	4.464	140,691	7
11/25/2019 8:00	4.806	151,475	8
11/25/2019 9:00	4.762	150,076	9
11/25/2019 10:00	4.541	143,119	10
11/25/2019 11:00	4.353	137,208	11
11/25/2019 12:00	4.179	131,712	12
11/25/2019 13:00	4.023	126,806	13
11/25/2019 14:00	3.829	120,689	14
11/25/2019 15:00	3.626	114,294	15

11/25/2019 16:00	3.357	105,813	16
11/25/2019 17:00	3.225	101,644	17
11/25/2019 18:00	3.237	102,013	18
11/25/2019 19:00	3.236	101,988	19
11/25/2019 20:00	3.199	100,824	20
11/25/2019 21:00	3.188	100,469	21
11/25/2019 22:00	2.911	91,750	22
11/25/2019 23:00	2.843	89,591	23
11/26/2019 0:00	2.772	87,377	0
11/26/2019 1:00	2.805	88,412	1
11/26/2019 2:00	2.868	90,383	2
11/26/2019 3:00	2.882	90,850	3
11/26/2019 4:00	3.125	98,498	4
11/26/2019 5:00	3.321	104,661	5
11/26/2019 6:00	3.871	122,018	6
11/26/2019 7:00	4.220	132,990	7
11/26/2019 8:00	4.807	151,507	8
11/26/2019 9:00	4.705	148,296	9
11/26/2019 10:00	4.551	143,450	10
11/26/2019 11:00	4.228	133,256	11
11/26/2019 12:00	3.988	125,704	12
11/26/2019 13:00	3.876	122,167	13
11/26/2019 14:00	3.802	119,838	14
11/26/2019 15:00	3.639	114,698	15
11/26/2019 16:00	3.394	106,957	16
11/26/2019 17:00	3.321	104,667	17
11/26/2019 18:00	3.030	95,489	18
11/26/2019 19:00	3.103	97,796	19
11/26/2019 20:00	2.975	93,766	20
11/26/2019 21:00	2.916	91,914	21
11/26/2019 22:00	2.716	85,607	22
11/26/2019 23:00	2.639	83,167	23
11/27/2019 0:00	2.578	81,247	0
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11/27/2019 3:00	2.406	75,824	3
11/27/2019 4:00	2.536	79,943	4
11/27/2019 5:00	2.700	85,097	5
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11/27/2019 7:00	3.295	103,863	7
11/27/2019 8:00	3.518	110,870	8
11/27/2019 9:00	3.562	112,266	9
11/27/2019 10:00	3.575	112,684	10
11/27/2019 11:00	3.416	107,662	11
11/27/2019 12:00	3.221	101,533	12
11/27/2019 13:00	3.225	101,653	13
11/27/2019 14:00	3.314	104,441	14

11/27/2019 15:00	3.283	103,469	15
11/27/2019 16:00	3.081	97,117	16
11/27/2019 17:00	2.957	93,212	17
11/27/2019 18:00	2.981	93,958	18
11/27/2019 19:00	2.958	93,222	19
11/27/2019 20:00	2.770	87,306	20
11/27/2019 21:00	2.730	86,039	21
11/27/2019 22:00	2.666	84,011	22
11/27/2019 23:00	2.562	80,748	23
11/28/2019 0:00	2.561	80,717	0
11/28/2019 1:00	2.505	78,951	1
11/28/2019 2:00	2.395	75,496	2
11/28/2019 3:00	2.425	76,443	3
11/28/2019 4:00	2.460	77,529	4
11/28/2019 5:00	2.440	76,903	5
11/28/2019 6:00	2.567	80,892	6
11/28/2019 7:00	2.662	83,906	7
11/28/2019 8:00	2.749	86,642	8
11/28/2019 9:00	2.724	85,870	9
11/28/2019 10:00	2.766	87,193	10
11/28/2019 11:00	2.810	88,572	11
11/28/2019 12:00	2.739	86,331	12
11/28/2019 13:00	2.561	80,713	13
11/28/2019 14:00	2.498	78,726	14
11/28/2019 15:00	2.484	78,284	15
11/28/2019 16:00	2.532	79,818	16
11/28/2019 17:00	2.590	81,622	17
11/28/2019 18:00	2.617	82,485	18
11/28/2019 19:00	2.692	84,858	19
11/28/2019 20:00	2.699	85,056	20
11/28/2019 21:00	2.708	85,340	21
11/28/2019 22:00	2.638	83,146	22
11/28/2019 23:00	2.613	82,364	23
11/29/2019 0:00	2.615	82,432	0
11/29/2019 1:00	2.559	80,641	1
11/29/2019 2:00	2.613	82,345	2
11/29/2019 3:00	2.553	80,478	3
11/29/2019 4:00	2.730	86,028	4
11/29/2019 5:00	2.803	88,335	5
11/29/2019 6:00	3.109	98,002	6
11/29/2019 7:00	3.222	101,545	7
11/29/2019 8:00	3.480	109,680	8
11/29/2019 9:00	3.622	114,143	9
11/29/2019 10:00	3.537	111,487	10
11/29/2019 11:00	3.449	108,707	11
11/29/2019 12:00	3.367	106,130	12
11/29/2019 13:00	3.303	104,112	13

11/29/2019 14:00	3.175	100,076	14
11/29/2019 15:00	3.207	101,069	15
11/29/2019 16:00	3.173	99,993	16
11/29/2019 17:00	3.154	99,423	17
11/29/2019 18:00	3.051	96,163	18
11/29/2019 19:00	3.133	98,752	19
11/29/2019 20:00	3.062	96,513	20
11/29/2019 21:00	2.974	93,747	21
11/29/2019 22:00	2.827	89,113	22
11/29/2019 23:00	2.733	86,145	23
11/30/2019 0:00	2.631	82,931	0
11/30/2019 1:00	2.591	81,675	1
11/30/2019 2:00	2.630	82,880	2
11/30/2019 3:00	2.558	80,619	3
11/30/2019 4:00	2.548	80,297	4
11/30/2019 5:00	2.607	82,153	5
11/30/2019 6:00	2.753	86,779	6
11/30/2019 7:00	2.789	87,901	7
11/30/2019 8:00	2.916	91,896	8
11/30/2019 9:00	2.933	92,427	9
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11/30/2019 11:00	3.027	95,402	11
11/30/2019 12:00	2.933	92,451	12
11/30/2019 13:00	2.947	92,874	13
11/30/2019 14:00	2.883	90,873	14
11/30/2019 15:00	2.918	91,975	15
11/30/2019 16:00	2.929	92,330	16
11/30/2019 17:00	2.983	94,011	17
11/30/2019 18:00	2.930	92,339	18
11/30/2019 19:00	2.734	86,185	19
11/30/2019 20:00	2.727	85,934	20
11/30/2019 21:00	2.684	84,603	21
11/30/2019 22:00	2.513	79,201	22
11/30/2019 23:00	2.399	75,610	23
12/1/2019 0:00	2.749	86,636	0
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12/1/2019 2:00	2.717	85,640	2
12/1/2019 3:00	2.683	84,557	3
12/1/2019 4:00	2.718	85,681	4
12/1/2019 5:00	2.710	85,409	5
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12/1/2019 9:00	2.898	91,345	9
12/1/2019 10:00	2.912	91,788	10
12/1/2019 11:00	2.942	92,733	11
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12/1/2019 14:00	2.768	87,254	14
12/1/2019 15:00	2.814	88,680	15
12/1/2019 16:00	2.882	90,842	16
12/1/2019 17:00	3.065	96,588	17
12/1/2019 18:00	3.117	98,227	18
12/1/2019 19:00	3.011	94,906	19
12/1/2019 20:00	2.979	93,879	20
12/1/2019 21:00	3.019	95,154	21
12/1/2019 22:00	2.990	94,241	22
12/1/2019 23:00	2.870	90,444	23
12/2/2019 0:00	2.934	92,477	0
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12/2/2019 12:00	5.179	163,226	12
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12/2/2019 18:00	4.282	134,969	18
12/2/2019 19:00	4.175	131,583	19
12/2/2019 20:00	4.101	129,260	20
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12/2/2019 22:00	3.654	115,172	22
12/2/2019 23:00	3.672	115,737	23
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12/3/2019 18:00	4.394	138,489	18
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12/3/2019 20:00	4.169	131,395	20
12/3/2019 21:00	4.055	127,804	21
12/3/2019 22:00	3.891	122,652	22
12/3/2019 23:00	3.821	120,415	23
12/4/2019 0:00	3.831	120,745	0
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12/4/2019 2:00	3.591	113,169	2
12/4/2019 3:00	3.626	114,280	3
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12/4/2019 18:00	4.357	137,322	18
12/4/2019 19:00	4.133	130,270	19
12/4/2019 20:00	3.882	122,362	20
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12/4/2019 22:00	3.545	111,728	22
12/4/2019 23:00	3.369	106,193	23
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12/5/2019 2:00	3.188	100,482	2
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12/5/2019 4:00	3.559	112,160	4
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12/5/2019 23:00	3.648	114,981	23
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12/6/2019 19:00	3.865	121,828	19
12/6/2019 20:00	3.661	115,371	20
12/6/2019 21:00	3.596	113,350	21
12/6/2019 22:00	3.414	107,610	22
12/6/2019 23:00	3.269	103,020	23
12/7/2019 0:00	3.321	104,683	0
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12/7/2019 15:00	3.650	115,051	15
12/7/2019 16:00	3.573	112,629	16
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12/7/2019 18:00	3.671	115,715	18
12/7/2019 19:00	3.813	120,180	19
12/7/2019 20:00	3.849	121,303	20
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12/8/2019 9:00	4.255	134,103	9
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12/8/2019 16:00	3.136	98,825	16
12/8/2019 17:00	3.285	103,529	17
12/8/2019 18:00	3.383	106,640	18
12/8/2019 19:00	3.300	104,001	19
12/8/2019 20:00	3.238	102,062	20
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12/8/2019 22:00	3.026	95,377	22
12/8/2019 23:00	2.901	91,423	23
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12/9/2019 23:00	2.869	90,414	23
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12/11/2019 23:00	4.274	134,698	23
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12/12/2019 23:00	3.956	124,678	23
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12/19/2019 23:00	4.215	132,854	23
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12/25/2019 7:00	3.860	121,655	7
12/25/2019 8:00	3.884	122,430	8
12/25/2019 9:00	3.783	119,216	9
12/25/2019 10:00	3.584	112,949	10
12/25/2019 11:00	3.265	102,906	11
12/25/2019 12:00	3.037	95,727	12
12/25/2019 13:00	2.783	87,719	13
12/25/2019 14:00	2.791	87,974	14
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12/25/2019 17:00	2.835	89,342	17
12/25/2019 18:00	2.874	90,569	18
12/25/2019 19:00	2.935	92,507	19
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12/25/2019 22:00	3.034	95,622	22
12/25/2019 23:00	3.027	95,399	23
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12/26/2019 19:00	3.342	105,335	19
12/26/2019 20:00	3.302	104,069	20
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12/26/2019 22:00	3.048	96,052	22
12/26/2019 23:00	2.885	90,914	23

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12/27/2019 18:00	3.193	100,641	18
12/27/2019 19:00	3.077	96,982	19
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12/27/2019 22:00	2.973	93,689	22
12/27/2019 23:00	2.898	91,330	23
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12/28/2019 3:00	2.685	84,635	3
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12/28/2019 16:00	2.740	86,361	16
12/28/2019 17:00	2.790	87,927	17
12/28/2019 18:00	2.902	91,452	18
12/28/2019 19:00	3.090	97,390	19
12/28/2019 20:00	2.958	93,236	20
12/28/2019 21:00	2.916	91,916	21
12/28/2019 22:00	2.797	88,140	22

12/28/2019 23:00	2.732	86,112	23
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12/29/2019 2:00	2.516	79,311	2
12/29/2019 3:00	2.496	78,656	3
12/29/2019 4:00	2.597	81,839	4
12/29/2019 5:00	2.736	86,232	5
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12/29/2019 8:00	2.958	93,226	8
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12/29/2019 11:00	3.011	94,907	11
12/29/2019 12:00	2.970	93,622	12
12/29/2019 13:00	2.892	91,162	13
12/29/2019 14:00	2.755	86,830	14
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12/29/2019 16:00	2.788	87,876	16
12/29/2019 17:00	2.965	93,449	17
12/29/2019 18:00	2.987	94,131	18
12/29/2019 19:00	2.901	91,418	19
12/29/2019 20:00	2.674	84,267	20
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12/29/2019 22:00	2.518	79,353	22
12/29/2019 23:00	2.481	78,205	23
12/30/2019 0:00	2.444	77,024	0
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12/30/2019 4:00	2.449	77,178	4
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12/30/2019 8:00	3.581	112,875	8
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12/30/2019 12:00	3.683	116,095	12
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12/30/2019 18:00	3.365	106,047	18
12/30/2019 19:00	3.297	103,925	19
12/30/2019 20:00	3.332	105,025	20
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12/30/2019 23:00	2.997	94,460	23
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12/31/2019 12:00	3.928	123,811	12
12/31/2019 13:00	3.857	121,575	13
12/31/2019 14:00	3.748	118,135	14
12/31/2019 15:00	3.775	118,976	15
12/31/2019 16:00	3.716	117,106	16
12/31/2019 17:00	3.616	113,964	17
12/31/2019 18:00	3.551	111,907	18
12/31/2019 19:00	3.396	107,028	19
12/31/2019 20:00	3.339	105,245	20
12/31/2019 21:00	3.244	102,240	21
12/31/2019 22:00	3.088	97,323	22
12/31/2019 23:00	3.052	96,201	23
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1/1/2020 23:00	3.770	118,826	23
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1/2/2020 18:00	4.093	129,010	18
1/2/2020 19:00	3.866	121,840	19
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1/2/2020 22:00	3.357	105,816	22
1/2/2020 23:00	3.293	103,793	23
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1/3/2020 14:00	4.698	148,067	14
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1/4/2020 17:00	4.069	128,231	17
1/4/2020 18:00	4.142	130,533	18
1/4/2020 19:00	4.110	129,543	19
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1/4/2020 22:00	3.833	120,806	22
1/4/2020 23:00	3.739	117,850	23
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1/5/2020 17:00	3.931	123,902	17
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1/5/2020 22:00	3.808	120,006	22
1/5/2020 23:00	3.770	118,836	23
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1/6/2020 22:00	4.266	134,459	22
1/6/2020 23:00	4.253	134,056	23
1/7/2020 0:00	4.173	131,510	0
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1/7/2020 14:00	5.287	166,635	14
1/7/2020 15:00	5.226	164,726	15
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1/7/2020 20:00	4.443	140,021	20
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1/7/2020 22:00	4.435	139,778	22
1/7/2020 23:00	4.246	133,817	23
1/8/2020 0:00	4.277	134,806	0
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1/8/2020 2:00	4.245	133,779	2
1/8/2020 3:00	4.156	130,976	3
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1/8/2020 12:00	5.622	177,198	12
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1/8/2020 14:00	5.455	171,920	14
1/8/2020 15:00	5.150	162,305	15
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1/8/2020 17:00	4.797	151,180	17
1/8/2020 18:00	5.024	158,343	18
1/8/2020 19:00	4.815	151,751	19
1/8/2020 20:00	4.699	148,089	20
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1/8/2020 22:00	4.527	142,685	22
1/8/2020 23:00	4.545	143,246	23
1/9/2020 0:00	4.403	138,779	0
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1/9/2020 2:00	4.477	141,105	2
1/9/2020 3:00	4.491	141,532	3
1/9/2020 4:00	4.658	146,799	4
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1/9/2020 21:00	3.793	119,559	21
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1/9/2020 23:00	3.753	118,284	23
1/10/2020 0:00	3.677	115,875	0
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1/10/2020 8:00	5.200	163,879	8
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1/10/2020 16:00	3.980	125,447	16
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1/10/2020 20:00	3.490	110,005	20
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1/10/2020 23:00	2.894	91,209	23
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1/11/2020 5:00	2.838	89,458	5
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1/11/2020 7:00	3.358	105,827	7
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1/11/2020 15:00	3.247	102,348	15

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1/11/2020 18:00	3.165	99,768	18
1/11/2020 19:00	3.218	101,421	19
1/11/2020 20:00	3.027	95,411	20
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1/11/2020 22:00	2.778	87,549	22
1/11/2020 23:00	2.639	83,170	23
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1/12/2020 13:00	3.327	104,855	13
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1/12/2020 17:00	3.401	107,200	17
1/12/2020 18:00	3.533	111,353	18
1/12/2020 19:00	3.449	108,700	19
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1/12/2020 23:00	3.209	101,150	23
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1/13/2020 22:00	3.618	114,038	22
1/13/2020 23:00	3.459	109,033	23
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1/14/2020 12:00	5.016	158,086	12
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1/14/2020 17:00	4.081	128,639	17
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1/14/2020 23:00	3.273	103,168	23
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1/15/2020 22:00	3.219	101,462	22
1/15/2020 23:00	3.039	95,776	23
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1/16/2020 20:00	3.926	123,747	20
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1/16/2020 23:00	3.774	118,936	23
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1/17/2020 22:00	4.013	126,484	22
1/17/2020 23:00	3.878	122,217	23
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1/18/2020 22:00	3.229	101,786	22
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1/19/2020 16:00	4.592	144,732	16
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1/19/2020 18:00	4.805	151,432	18
1/19/2020 19:00	4.788	150,908	19
1/19/2020 20:00	4.781	150,689	20
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1/19/2020 22:00	4.636	146,131	22
1/19/2020 23:00	4.588	144,588	23
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1/20/2020 14:00	6.264	197,415	14
1/20/2020 15:00	6.116	192,765	15
1/20/2020 16:00	5.690	179,322	16
1/20/2020 17:00	5.733	180,691	17
1/20/2020 18:00	5.685	179,193	18
1/20/2020 19:00	5.613	176,901	19
1/20/2020 20:00	5.518	173,924	20
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1/20/2020 22:00	5.343	168,402	22
1/20/2020 23:00	5.309	167,318	23
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1/21/2020 14:00	6.072	191,383	14
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1/21/2020 18:00	5.394	170,010	18
1/21/2020 19:00	5.389	169,854	19
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1/21/2020 22:00	5.265	165,953	22
1/21/2020 23:00	5.338	168,228	23
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1/22/2020 17:00	4.900	154,427	17
1/22/2020 18:00	5.036	158,730	18
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1/22/2020 22:00	4.730	149,075	22
1/22/2020 23:00	4.558	143,668	23
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1/23/2020 19:00	4.398	138,610	19
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1/23/2020 22:00	3.943	124,263	22
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1/25/2020 15:00	4.384	138,185	15
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1/25/2020 17:00	4.391	138,409	17
1/25/2020 18:00	4.400	138,694	18
1/25/2020 19:00	4.307	135,740	19
1/25/2020 20:00	4.120	129,841	20
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1/27/2020 13:00	5.523	174,069	13
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1/27/2020 15:00	5.180	163,275	15
1/27/2020 16:00	4.884	153,931	16
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1/27/2020 18:00	4.542	143,151	18
1/27/2020 19:00	4.304	135,656	19
1/27/2020 20:00	4.207	132,593	20
1/27/2020 21:00	4.161	131,146	21
1/27/2020 22:00	3.939	124,153	22
1/27/2020 23:00	3.862	121,736	23
1/28/2020 0:00	3.823	120,493	0
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1/28/2020 9:00	6.089	191,915	9
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1/28/2020 11:00	6.001	189,129	11
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1/28/2020 15:00	5.327	167,891	15
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1/28/2020 22:00	4.390	138,375	22
1/28/2020 23:00	4.051	127,671	23
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1/29/2020 13:00	5.553	175,030	13
1/29/2020 14:00	5.498	173,295	14
1/29/2020 15:00	5.303	167,145	15
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1/29/2020 17:00	4.772	150,417	17
1/29/2020 18:00	4.733	149,164	18
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1/29/2020 22:00	4.210	132,688	22
1/29/2020 23:00	4.011	126,409	23
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1/30/2020 19:00	4.429	139,598	19
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1/30/2020 22:00	3.985	125,587	22
1/30/2020 23:00	3.838	120,979	23
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1/31/2020 17:00	4.349	137,066	17
1/31/2020 18:00	4.191	132,089	18
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1/31/2020 23:00	3.624	114,232	23
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2/1/2020 19:00	3.807	119,978	19
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2/1/2020 23:00	3.525	111,092	23
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2/2/2020 18:00	3.210	101,180	18
2/2/2020 19:00	3.158	99,539	19
2/2/2020 20:00	3.142	99,014	20
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2/2/2020 23:00	3.005	94,723	23
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2/7/2020 22:00	4.444	140,074	22
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2/9/2020 23:00	3.388	106,767	23
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2/12/2020 22:00	3.429	108,086	22
2/12/2020 23:00	3.330	104,942	23
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2/13/2020 9:00	4.847	152,774	9
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2/13/2020 13:00	4.825	152,079	13
2/13/2020 14:00	4.981	156,987	14
2/13/2020 15:00	4.978	156,891	15
2/13/2020 16:00	4.540	143,107	16
2/13/2020 17:00	4.349	137,063	17
2/13/2020 18:00	4.215	132,851	18
2/13/2020 19:00	4.110	129,550	19
2/13/2020 20:00	4.047	127,546	20
2/13/2020 21:00	3.977	125,333	21
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2/14/2020 2:00	3.907	123,135	2
2/14/2020 3:00	3.915	123,388	3
2/14/2020 4:00	4.078	128,523	4
2/14/2020 5:00	4.355	137,273	5
2/14/2020 6:00	5.038	158,773	6
2/14/2020 7:00	5.610	176,828	7
2/14/2020 8:00	6.100	192,246	8
2/14/2020 9:00	6.291	198,266	9
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2/14/2020 12:00	6.081	191,666	12
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2/14/2020 14:00	5.719	180,239	14
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2/14/2020 16:00	5.123	161,456	16
2/14/2020 17:00	5.144	162,137	17
2/14/2020 18:00	5.122	161,449	18
2/14/2020 19:00	4.959	156,291	19
2/14/2020 20:00	4.984	157,097	20
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2/14/2020 22:00	4.754	149,831	22
2/14/2020 23:00	4.790	150,958	23
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2/15/2020 17:00	3.676	115,850	17
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2/15/2020 20:00	4.053	127,736	20
2/15/2020 21:00	4.053	127,748	21

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2/16/2020 13:00	3.494	110,136	13
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2/16/2020 17:00	3.697	116,526	17
2/16/2020 18:00	3.645	114,887	18
2/16/2020 19:00	3.542	111,649	19
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2/16/2020 22:00	3.355	105,741	22
2/16/2020 23:00	3.333	105,062	23
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2/17/2020 4:00	3.824	120,532	4
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2/17/2020 18:00	3.603	113,565	18
2/17/2020 19:00	3.695	116,468	19
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2/18/2020 4:00	3.263	102,844	4
2/18/2020 5:00	3.541	111,610	5
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2/18/2020 8:00	5.144	162,126	8
2/18/2020 9:00	5.177	163,181	9
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2/18/2020 12:00	4.719	148,719	12
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2/18/2020 15:00	4.639	146,220	15
2/18/2020 16:00	4.168	131,364	16
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2/18/2020 19:00	3.734	117,681	19
2/18/2020 20:00	3.603	113,562	20
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2/18/2020 22:00	3.384	106,668	22
2/18/2020 23:00	3.329	104,933	23
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2/19/2020 3:00	3.356	105,780	3
2/19/2020 4:00	3.650	115,031	4
2/19/2020 5:00	3.971	125,145	5
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2/19/2020 18:00	4.092	128,967	18
2/19/2020 19:00	4.061	127,992	19

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2/20/2020 22:00	4.362	137,466	22
2/20/2020 23:00	4.378	137,973	23
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2/21/2020 13:00	5.665	178,563	13
2/21/2020 14:00	5.417	170,729	14
2/21/2020 15:00	5.167	162,849	15
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2/21/2020 17:00	4.307	135,739	17
2/21/2020 18:00	4.415	139,163	18



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2/21/2020 22:00	4.558	143,662	22
2/21/2020 23:00	4.496	141,711	23
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2/22/2020 4:00	4.722	148,827	4
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2/22/2020 12:00	4.463	140,673	12
2/22/2020 13:00	4.061	127,996	13
2/22/2020 14:00	3.884	122,428	14
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2/22/2020 19:00	3.992	125,823	19
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2/22/2020 22:00	4.203	132,456	22
2/22/2020 23:00	4.172	131,496	23
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2/23/2020 17:00	3.206	101,044	17

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2/24/2020 17:00	4.268	134,504	17
2/24/2020 18:00	4.010	126,399	18
2/24/2020 19:00	3.762	118,574	19
2/24/2020 20:00	3.713	117,019	20
2/24/2020 21:00	3.517	110,853	21
2/24/2020 22:00	3.275	103,219	22
2/24/2020 23:00	3.201	100,899	23
2/25/2020 0:00	3.179	100,191	0
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2/25/2020 22:00	3.080	97,066	22
2/25/2020 23:00	3.016	95,061	23
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2/26/2020 16:00	4.343	136,876	16
2/26/2020 17:00	4.236	133,523	17
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2/27/2020 22:00	4.331	136,499	22
2/27/2020 23:00	4.255	134,098	23
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2/28/2020 7:00	5.032	158,591	7
2/28/2020 8:00	5.533	174,386	8
2/28/2020 9:00	5.806	182,979	9
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2/28/2020 11:00	5.779	182,146	11
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2/28/2020 15:00	5.133	161,769	15
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2/28/2020 18:00	4.222	133,056	18
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2/29/2020 22:00	4.288	135,159	22
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3/1/2020 0:00	4.709	148,433	0
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3/1/2020 2:00	4.822	151,982	2
3/1/2020 3:00	4.852	152,913	3
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3/1/2020 7:00	5.448	171,695	7
3/1/2020 8:00	5.683	179,103	8
3/1/2020 9:00	5.343	168,414	9
3/1/2020 10:00	4.900	154,445	10
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3/1/2020 13:00	4.051	127,680	13
3/1/2020 14:00	3.836	120,892	14
3/1/2020 15:00	3.756	118,394	15
3/1/2020 16:00	3.497	110,229	16
3/1/2020 17:00	3.466	109,256	17
3/1/2020 18:00	3.664	115,490	18
3/1/2020 19:00	3.717	117,151	19
3/1/2020 20:00	3.790	119,449	20
3/1/2020 21:00	3.695	116,466	21
3/1/2020 22:00	3.455	108,881	22
3/1/2020 23:00	3.457	108,959	23
3/2/2020 0:00	3.469	109,333	0
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3/2/2020 17:00	4.295	135,363	17
3/2/2020 18:00	4.038	127,277	18
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3/2/2020 20:00	3.788	119,385	20
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3/2/2020 22:00	3.422	107,869	22
3/2/2020 23:00	3.354	105,715	23
3/3/2020 0:00	3.252	102,500	0
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3/3/2020 19:00	3.738	117,802	19
3/3/2020 20:00	3.629	114,365	20
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3/3/2020 22:00	3.348	105,507	22
3/3/2020 23:00	3.295	103,848	23
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3/4/2020 22:00	3.302	104,064	22
3/4/2020 23:00	3.208	101,121	23
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3/5/2020 4:00	3.374	106,328	4
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3/6/2020 22:00	4.244	133,747	22
3/6/2020 23:00	4.098	129,151	23
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3/7/2020 18:00	3.619	114,077	18
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3/7/2020 22:00	3.995	125,918	22
3/7/2020 23:00	3.961	124,844	23
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3/8/2020 9:00	5.131	161,715	9
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3/8/2020 14:00	3.916	123,430	14
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3/8/2020 20:00	3.271	103,083	20
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3/8/2020 22:00	3.217	101,380	22
3/8/2020 23:00	3.258	102,695	23
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3/9/2020 22:00	3.183	100,324	22
3/9/2020 23:00	3.035	95,655	23
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3/10/2020 22:00	3.179	100,208	22
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3/11/2020 19:00	3.665	115,513	19
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3/11/2020 22:00	3.121	98,358	22
3/11/2020 23:00	2.972	93,660	23
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3/12/2020 15:00	4.588	144,595	15
3/12/2020 16:00	4.070	128,272	16
3/12/2020 17:00	3.703	116,713	17
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3/14/2020 22:00	3.419	107,752	22
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3/17/2020 16:00	4.264	134,384	16
3/17/2020 17:00	4.078	128,528	17
3/17/2020 18:00	3.756	118,374	18
3/17/2020 19:00	3.733	117,656	19
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3/17/2020 21:00	3.520	110,935	21
3/17/2020 22:00	3.488	109,940	22
3/17/2020 23:00	3.305	104,181	23
3/18/2020 0:00	3.217	101,380	0
3/18/2020 1:00	3.173	99,994	1
3/18/2020 2:00	3.194	100,666	2
3/18/2020 3:00	3.178	100,151	3
3/18/2020 4:00	3.148	99,220	4
3/18/2020 5:00	3.379	106,486	5

3/18/2020 6:00	3.825	120,547	6
3/18/2020 7:00	4.385	138,208	7
3/18/2020 8:00	4.747	149,610	8
3/18/2020 9:00	4.780	150,648	9
3/18/2020 10:00	4.776	150,528	10
3/18/2020 11:00	4.610	145,297	11
3/18/2020 12:00	4.524	142,586	12
3/18/2020 13:00	4.475	141,028	13
3/18/2020 14:00	4.358	137,340	14
3/18/2020 15:00	4.112	129,612	15
3/18/2020 16:00	4.022	126,778	16
3/18/2020 17:00	3.728	117,499	17
3/18/2020 18:00	3.388	106,790	18
3/18/2020 19:00	3.401	107,178	19
3/18/2020 20:00	3.250	102,418	20
3/18/2020 21:00	3.118	98,264	21
3/18/2020 22:00	2.975	93,759	22
3/18/2020 23:00	2.828	89,128	23
3/19/2020 0:00	2.736	86,246	0
3/19/2020 1:00	2.685	84,619	1
3/19/2020 2:00	2.612	82,319	2
3/19/2020 3:00	2.501	78,820	3
3/19/2020 4:00	2.607	82,181	4
3/19/2020 5:00	2.815	88,718	5
3/19/2020 6:00	3.241	102,134	6
3/19/2020 7:00	3.773	118,928	7
3/19/2020 8:00	4.154	130,918	8
3/19/2020 9:00	4.322	136,232	9
3/19/2020 10:00	4.262	134,316	10
3/19/2020 11:00	4.247	133,870	11
3/19/2020 12:00	4.279	134,864	12
3/19/2020 13:00	4.213	132,789	13
3/19/2020 14:00	4.165	131,275	14
3/19/2020 15:00	3.995	125,924	15
3/19/2020 16:00	3.810	120,075	16
3/19/2020 17:00	3.623	114,199	17
3/19/2020 18:00	3.425	107,954	18
3/19/2020 19:00	3.386	106,705	19
3/19/2020 20:00	3.317	104,547	20
3/19/2020 21:00	3.119	98,290	21
3/19/2020 22:00	2.982	93,995	22
3/19/2020 23:00	2.817	88,801	23
3/20/2020 0:00	2.708	85,339	0
3/20/2020 1:00	2.638	83,151	1
3/20/2020 2:00	2.611	82,300	2
3/20/2020 3:00	2.605	82,109	3
3/20/2020 4:00	2.715	85,557	4

3/20/2020 5:00	2.829	89,153	5
3/20/2020 6:00	3.086	97,253	6
3/20/2020 7:00	3.478	109,625	7
3/20/2020 8:00	3.973	125,234	8
3/20/2020 9:00	4.036	127,203	9
3/20/2020 10:00	4.250	133,960	10
3/20/2020 11:00	4.225	133,155	11
3/20/2020 12:00	4.248	133,900	12
3/20/2020 13:00	4.233	133,431	13
3/20/2020 14:00	4.227	133,237	14
3/20/2020 15:00	4.010	126,393	15
3/20/2020 16:00	3.565	112,355	16
3/20/2020 17:00	3.157	99,508	17
3/20/2020 18:00	3.086	97,274	18
3/20/2020 19:00	3.044	95,942	19
3/20/2020 20:00	3.171	99,952	20
3/20/2020 21:00	3.003	94,655	21
3/20/2020 22:00	2.806	88,429	22
3/20/2020 23:00	2.695	84,942	23
3/21/2020 0:00	2.661	83,867	0
3/21/2020 1:00	2.580	81,320	1
3/21/2020 2:00	2.611	82,295	2
3/21/2020 3:00	2.605	82,092	3
3/21/2020 4:00	2.760	86,987	4
3/21/2020 5:00	2.868	90,400	5
3/21/2020 6:00	3.013	94,970	6
3/21/2020 7:00	3.236	101,980	7
3/21/2020 8:00	3.260	102,735	8
3/21/2020 9:00	3.395	107,018	9
3/21/2020 10:00	3.442	108,494	10
3/21/2020 11:00	3.560	112,216	11
3/21/2020 12:00	3.524	111,058	12
3/21/2020 13:00	3.500	110,313	13
3/21/2020 14:00	3.568	112,455	14
3/21/2020 15:00	3.567	112,423	15
3/21/2020 16:00	3.383	106,619	16
3/21/2020 17:00	3.287	103,595	17
3/21/2020 18:00	3.330	104,942	18
3/21/2020 19:00	3.360	105,899	19
3/21/2020 20:00	3.512	110,686	20
3/21/2020 21:00	3.470	109,370	21
3/21/2020 22:00	3.400	107,153	22
3/21/2020 23:00	3.304	104,133	23
3/22/2020 0:00	3.178	100,162	0
3/22/2020 1:00	3.154	99,401	1
3/22/2020 2:00	3.128	98,587	2
3/22/2020 3:00	3.137	98,865	3

3/22/2020 4:00	3.280	103,378	4
3/22/2020 5:00	3.504	110,425	5
3/22/2020 6:00	3.631	114,449	6
3/22/2020 7:00	3.626	114,284	7
3/22/2020 8:00	3.699	116,579	8
3/22/2020 9:00	3.568	112,446	9
3/22/2020 10:00	3.506	110,496	10
3/22/2020 11:00	3.473	109,474	11
3/22/2020 12:00	3.452	108,785	12
3/22/2020 13:00	3.311	104,341	13
3/22/2020 14:00	3.162	99,649	14
3/22/2020 15:00	3.126	98,533	15
3/22/2020 16:00	2.933	92,427	16
3/22/2020 17:00	2.837	89,432	17
3/22/2020 18:00	2.816	88,751	18
3/22/2020 19:00	2.948	92,913	19
3/22/2020 20:00	3.049	96,092	20
3/22/2020 21:00	3.055	96,275	21
3/22/2020 22:00	2.889	91,047	22
3/22/2020 23:00	2.944	92,791	23
3/23/2020 0:00	2.881	90,796	0
3/23/2020 1:00	2.778	87,545	1
3/23/2020 2:00	2.719	85,700	2
3/23/2020 3:00	2.765	87,136	3
3/23/2020 4:00	2.971	93,642	4
3/23/2020 5:00	3.232	101,855	5
3/23/2020 6:00	3.599	113,420	6
3/23/2020 7:00	4.151	130,844	7
3/23/2020 8:00	4.677	147,417	8
3/23/2020 9:00	4.729	149,062	9
3/23/2020 10:00	4.666	147,064	10
3/23/2020 11:00	4.560	143,732	11
3/23/2020 12:00	4.600	144,986	12
3/23/2020 13:00	4.532	142,826	13
3/23/2020 14:00	4.432	139,676	14
3/23/2020 15:00	4.311	135,885	15
3/23/2020 16:00	3.789	119,419	16
3/23/2020 17:00	3.393	106,928	17
3/23/2020 18:00	3.270	103,076	18
3/23/2020 19:00	3.280	103,363	19
3/23/2020 20:00	3.402	107,231	20
3/23/2020 21:00	3.305	104,153	21
3/23/2020 22:00	3.167	99,818	22
3/23/2020 23:00	2.972	93,676	23
3/24/2020 0:00	3.073	96,844	0
3/24/2020 1:00	3.031	95,528	1
3/24/2020 2:00	2.994	94,379	2



3/24/2020 3:00	2.991	94,260	3
3/24/2020 4:00	3.125	98,482	4
3/24/2020 5:00	3.441	108,445	5
3/24/2020 6:00	3.836	120,904	6
3/24/2020 7:00	4.275	134,726	7
3/24/2020 8:00	4.658	146,818	8
3/24/2020 9:00	4.769	150,302	9
3/24/2020 10:00	4.786	150,842	10
3/24/2020 11:00	4.389	138,330	11
3/24/2020 12:00	4.123	129,964	12
3/24/2020 13:00	4.039	127,286	13
3/24/2020 14:00	4.051	127,672	14
3/24/2020 15:00	4.138	130,409	15
3/24/2020 16:00	3.732	117,615	16
3/24/2020 17:00	3.425	107,960	17
3/24/2020 18:00	3.202	100,927	18
3/24/2020 19:00	3.290	103,708	19
3/24/2020 20:00	3.284	103,494	20
3/24/2020 21:00	3.153	99,383	21
3/24/2020 22:00	3.041	95,836	22
3/24/2020 23:00	2.981	93,943	23
3/25/2020 0:00	2.909	91,670	0
3/25/2020 1:00	2.889	91,049	1
3/25/2020 2:00	2.865	90,314	2
3/25/2020 3:00	2.900	91,414	3
3/25/2020 4:00	3.055	96,283	4
3/25/2020 5:00	3.280	103,392	5
3/25/2020 6:00	3.728	117,489	6
3/25/2020 7:00	4.205	132,528	7
3/25/2020 8:00	4.371	137,765	8
3/25/2020 9:00	4.525	142,603	9
3/25/2020 10:00	4.639	146,196	10
3/25/2020 11:00	4.554	143,538	11
3/25/2020 12:00	4.472	140,938	12
3/25/2020 13:00	4.367	137,625	13
3/25/2020 14:00	4.210	132,690	14
3/25/2020 15:00	4.015	126,540	15
3/25/2020 16:00	3.609	113,750	16
3/25/2020 17:00	3.399	107,118	17
3/25/2020 18:00	3.218	101,433	18
3/25/2020 19:00	3.226	101,692	19
3/25/2020 20:00	3.194	100,667	20
3/25/2020 21:00	3.133	98,743	21
3/25/2020 22:00	3.071	96,785	22
3/25/2020 23:00	3.080	97,074	23
3/26/2020 0:00	3.109	98,002	0
3/26/2020 1:00	3.023	95,282	1

3/26/2020 2:00	2.971	93,628	2
3/26/2020 3:00	2.976	93,791	3
3/26/2020 4:00	3.131	98,693	4
3/26/2020 5:00	3.407	107,390	5
3/26/2020 6:00	3.755	118,354	6
3/26/2020 7:00	4.326	136,333	7
3/26/2020 8:00	4.597	144,877	8
3/26/2020 9:00	4.817	151,820	9
3/26/2020 10:00	4.381	138,085	10
3/26/2020 11:00	4.266	134,444	11
3/26/2020 12:00	4.161	131,161	12
3/26/2020 13:00	4.082	128,662	13
3/26/2020 14:00	4.101	129,247	14
3/26/2020 15:00	3.999	126,045	15
3/26/2020 16:00	3.646	114,906	16
3/26/2020 17:00	3.320	104,626	17
3/26/2020 18:00	3.056	96,306	18
3/26/2020 19:00	2.963	93,377	19
3/26/2020 20:00	3.055	96,296	20
3/26/2020 21:00	2.911	91,735	21
3/26/2020 22:00	2.780	87,628	22
3/26/2020 23:00	2.681	84,503	23
3/27/2020 0:00	2.679	84,422	0
3/27/2020 1:00	2.547	80,287	1
3/27/2020 2:00	2.544	80,185	2
3/27/2020 3:00	2.536	79,916	3
3/27/2020 4:00	2.607	82,163	4
3/27/2020 5:00	2.669	84,119	5
3/27/2020 6:00	2.994	94,350	6
3/27/2020 7:00	3.408	107,426	7
3/27/2020 8:00	3.797	119,677	8
3/27/2020 9:00	3.988	125,693	9
3/27/2020 10:00	4.028	126,947	10
3/27/2020 11:00	4.029	126,984	11
3/27/2020 12:00	4.190	132,073	12
3/27/2020 13:00	3.895	122,749	13
3/27/2020 14:00	3.949	124,461	14
3/27/2020 15:00	3.910	123,225	15
3/27/2020 16:00	3.508	110,550	16
3/27/2020 17:00	3.321	104,678	17
3/27/2020 18:00	3.172	99,968	18
3/27/2020 19:00	3.126	98,515	19
3/27/2020 20:00	3.116	98,217	20
3/27/2020 21:00	3.012	94,940	21
3/27/2020 22:00	2.823	88,973	22
3/27/2020 23:00	2.588	81,578	23
3/28/2020 0:00	2.535	79,885	0

3/28/2020 1:00	2.514	79,238	1
3/28/2020 2:00	2.513	79,215	2
3/28/2020 3:00	2.499	78,760	3
3/28/2020 4:00	2.418	76,219	4
3/28/2020 5:00	2.447	77,118	5
3/28/2020 6:00	2.557	80,578	6
3/28/2020 7:00	2.603	82,039	7
3/28/2020 8:00	2.762	87,053	8
3/28/2020 9:00	2.939	92,635	9
3/28/2020 10:00	3.175	100,074	10
3/28/2020 11:00	3.301	104,027	11
3/28/2020 12:00	3.476	109,563	12
3/28/2020 13:00	3.395	107,018	13
3/28/2020 14:00	3.397	107,051	14
3/28/2020 15:00	3.383	106,624	15
3/28/2020 16:00	3.207	101,081	16
3/28/2020 17:00	3.140	98,968	17
3/28/2020 18:00	3.078	97,010	18
3/28/2020 19:00	3.151	99,323	19
3/28/2020 20:00	3.194	100,676	20
3/28/2020 21:00	3.014	95,002	21
3/28/2020 22:00	2.819	88,853	22
3/28/2020 23:00	2.642	83,258	23
3/29/2020 0:00	2.582	81,370	0
3/29/2020 1:00	2.512	79,181	1
3/29/2020 2:00	2.527	79,660	2
3/29/2020 3:00	2.496	78,681	3
3/29/2020 4:00	2.401	75,670	4
3/29/2020 5:00	2.452	77,287	5
3/29/2020 6:00	2.536	79,931	6
3/29/2020 7:00	2.574	81,135	7
3/29/2020 8:00	2.655	83,687	8
3/29/2020 9:00	2.756	86,853	9
3/29/2020 10:00	2.789	87,907	10
3/29/2020 11:00	2.788	87,873	11
3/29/2020 12:00	2.859	90,123	12
3/29/2020 13:00	2.862	90,217	13
3/29/2020 14:00	2.974	93,719	14
3/29/2020 15:00	3.031	95,532	15
3/29/2020 16:00	2.991	94,271	16
3/29/2020 17:00	2.903	91,501	17
3/29/2020 18:00	2.876	90,644	18
3/29/2020 19:00	2.769	87,275	19
3/29/2020 20:00	2.689	84,760	20
3/29/2020 21:00	2.714	85,554	21
3/29/2020 22:00	2.564	80,818	22
3/29/2020 23:00	2.490	78,487	23

3/30/2020 0:00	2.486	78,364	0
3/30/2020 1:00	2.377	74,920	1
3/30/2020 2:00	2.342	73,805	2
3/30/2020 3:00	2.335	73,591	3
3/30/2020 4:00	2.459	77,493	4
3/30/2020 5:00	2.670	84,150	5
3/30/2020 6:00	2.998	94,482	6
3/30/2020 7:00	3.348	105,515	7
3/30/2020 8:00	3.596	113,346	8
3/30/2020 9:00	3.898	122,872	9
3/30/2020 10:00	4.008	126,327	10
3/30/2020 11:00	3.854	121,471	11
3/30/2020 12:00	3.876	122,165	12
3/30/2020 13:00	3.950	124,511	13
3/30/2020 14:00	3.930	123,856	14
3/30/2020 15:00	3.720	117,232	15
3/30/2020 16:00	3.387	106,760	16
3/30/2020 17:00	3.180	100,228	17
3/30/2020 18:00	2.939	92,625	18
3/30/2020 19:00	2.974	93,746	19
3/30/2020 20:00	3.010	94,866	20
3/30/2020 21:00	2.844	89,634	21
3/30/2020 22:00	2.737	86,250	22
3/30/2020 23:00	2.702	85,155	23
3/31/2020 0:00	2.700	85,108	0
3/31/2020 1:00	2.637	83,098	1
3/31/2020 2:00	2.641	83,253	2
3/31/2020 3:00	2.523	79,522	3
3/31/2020 4:00	2.629	82,849	4
3/31/2020 5:00	2.799	88,205	5
3/31/2020 6:00	3.146	99,167	6
3/31/2020 7:00	3.538	111,498	7
3/31/2020 8:00	3.865	121,803	8
3/31/2020 9:00	4.256	134,143	9
3/31/2020 10:00	4.153	130,893	10
3/31/2020 11:00	3.924	123,678	11
3/31/2020 12:00	3.941	124,201	12
3/31/2020 13:00	3.856	121,533	13
3/31/2020 14:00	3.920	123,535	14
3/31/2020 15:00	3.828	120,645	15
3/31/2020 16:00	3.667	115,580	16
3/31/2020 17:00	3.563	112,300	17
3/31/2020 18:00	3.306	104,211	18
3/31/2020 19:00	3.331	104,978	19
3/31/2020 20:00	3.455	108,879	20
3/31/2020 21:00	3.372	106,274	21
3/31/2020 22:00	3.268	102,999	22

3/31/2020 23:00

3.168

99,846

23

<b>Row Labels</b>	<b>Average of Class Demand</b>
0	93,603.97
1	90,996.12
2	88,878.33
3	88,652.87
4	91,066.18
5	96,916.07
6	109,592.70
7	120,370.28
8	133,739.25
9	140,860.45
10	144,417.77
11	144,858.05
12	145,085.70
13	145,104.70
14	144,496.61
15	141,626.97
16	133,403.13
17	126,605.27
18	121,431.85
19	117,319.70
20	112,556.68
21	107,947.15
22	101,400.14
23	96,784.34
<b>Grand Total</b>	<b>118,238.10</b>

Row Labels	Average of Class Demand	Avg Customer	begin	end
0	93,604	2.97		11 midnight
1	90,996	2.89	M	1
2	88,878	2.82		1 2
3	88,653	2.81		2 3
4	91,066	2.89		3 4
5	96,916	3.07		4 5
6	109,593	3.48		5 6
7	120,370	3.82		6 7
8	133,739	4.24		7 8
9	140,860	4.47		8 9
10	144,418	4.58		9 10
11	144,858	4.60		10 11
12	145,086	4.60		11 12
13	145,105	4.60		12 1
14	144,497	4.58		1 2
15	141,627	4.49		2 3
16	133,403	4.23		3 4
17	126,605	4.02		4 5
18	121,432	3.85		5 6
19	117,320	3.72		6 7
20	112,557	3.57		7 8
21	107,947	3.42		8 9
22	101,400	3.22		9 10
23	96,784	3.07		10 11
Grand Total	118,238	90.04		
		2,701.05		
	Avg Customers	31,518		

Shape %

	0.032986
AM	0.032067
AM	0.03132
AM	0.031241
AM	0.032091
AM	0.034153
AM	0.03862
AM	0.042418
AM	0.047129
AM	0.049639
AM	0.050892
AM	0.051047
AM	0.051128
PM	0.051134
PM	0.05092
PM	0.049909
PM	0.047011
PM	0.044615
PM	0.042792
PM	0.041343
PM	0.039665
PM	0.03804
PM	0.035733
PM	0.034106



**Modified Exhibit AEV R6 NMS II Updated Avoided Cost Rate for Commercial**  
**Example of Typical Customer and Typical Solar Install - Commercial Class**

Hour of the Day		Typical Commercial Customer 3022 kWh/Month	Typical NMS Solar System 26.14 kW-ICAP	Typical Solar	Summer Peak 5CP	Summer Peak 5CP	Summer Peak 5CP	12 CP	12CP	12CP Hours Wt
begin	end	Load	Solar	Net Excess Gen	Excess %	Hours wt	Wtd Hours Excess	Excess %	Hours Wt	Wtd Excess Gen %
midnight	1 AM	97	-	-						
1	2 AM	95	-	-						
2	3 AM	94	-	-						
3	4 AM	97	-	-						
4	5 AM	103	-	-						
5	6 AM	117	-	-						
6	7 AM	128	-	-						
7	8 AM	142	15	-				0%	36%	0%
8	9 AM	150	79	-				0%	8%	0%
9	10 AM	154	198	44				22%	3%	1%
10	11 AM	154	313	159						
11	12 AM	155	393	239						
12	1 PM	155	428	273						
1	2 PM	154	436	282				65%	3%	2%
2	3 PM	151	432	281	65%	5%	3%	65%	6%	4%
3	4 PM	142	392	250	64%	15%	10%	64%	6%	4%
4	5 PM	135	311	176	57%	70%	40%	57%	31%	17%
5	6 PM	129	199	70	35%	10%	4%	35%	3%	1%
6	7 PM	125	83	-				0%	3%	0%
7	8 PM	120	17	-				0%	3%	0%
8	9 PM	115	-	-						
9	10 PM	108	-	-						
10	11 PM	103	-	-						
11	midnight	100	-	-						
		3,022	3,295	1,774		1	55.95%		1	27.85%
				53.82%		Summer est	73.08%			35.34%

Estimation was necessary because KPCC did not include commercial summer profiles.

<u>Avg Monthly kWh</u>	
Net Billing kWh	1,429
Net Excess Gen	1,774
Netted kWh	1,593
NMS II vs Standard kWh	0.473
Typical NMS billable kWh	0

Row Labels	Average of Solar Gen	begin	end	Shape %
0	(0.05)	11	midnight	
1	(0.05)	M	1 AM	
2	(0.05)	1	2 AM	
3	(0.05)	2	3 AM	
4	(0.05)	3	4 AM	
5	(0.05)	4	5 AM	
6	(0.03)	5	6 AM	
7	0.49	6	7 AM	0%
8	2.52	7	8 AM	2%
9	6.36	8	9 AM	6%
10	10.06	9	10 AM	10%
11	12.63	10	11 AM	12%
12	13.74	11	12 AM	13%
13	14.02	12	1 PM	13%
14	13.86	1	2 PM	13%
15	12.59	2	3 PM	12%
16	9.98	3	4 PM	9%
17	6.39	4	5 PM	6%
18	2.67	5	6 PM	3%
19	0.55	6	7 PM	1%
20	(0.01)	7	8 PM	
21	(0.05)	8	9 PM	
22	(0.05)	9	10 PM	
23	(0.05)	10	11 PM	
Grand Total	4.39			
	105.85			

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