

Appendix F

GLARE ANALYSIS

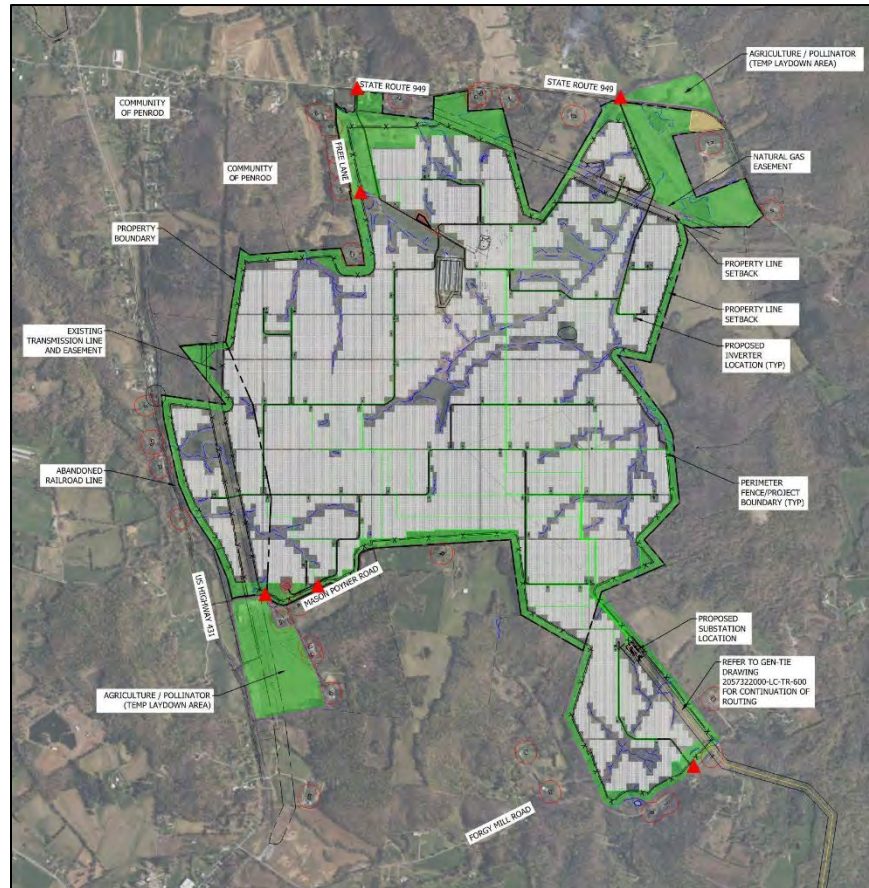
Lost City Renewables LLC

Muhlenberg County, Kentucky



COPPERHEAD
ENVIRONMENTAL CONSULTING

Glare Analysis for Proposed Lost City Solar Project Muhlenberg County, KY



Prepared for:
Lost City Renewables LLC

Kim Rhodes
NEPA Specialist
Copperhead Environmental Consulting, Inc.

29 January 2025

COPPERHEAD ENVIRONMENTAL CONSULTING, INC.
P.O. BOX 73 ■ 471 MAIN STREET ■ PAINT LICK, KENTUCKY 40461
(859) 925-9012 OFFICE (859) 925-9816 FAX

www.copperheadconsulting.com

TABLE OF CONTENTS

BACKGROUND	1
Project Summary	1
Solar Glare.....	3
SOLAR GLARE ANALYSIS	3
Design Parameters	4
Observation Point and Route Receptor Parameters.....	4
Obstruction Parameters.....	4
SUMMARY OF RESULTS FOR NEARBY ROADWAY AND OBSERVATION LOCATIONS	5
Route Receptor 1: Free Lane	5
Route Receptor 2: Mason-Poyner Road	6
Route Receptor 3: SR 949.....	6
Route Receptor 4: US 431	8
Observation Points.....	10
AIRPORT SENSITIVE RECEPTORS AND PILOT ANALYSIS	13
CONCLUSIONS	14
REFERENCES	15

LIST OF TABLES

Table 1. Lost City Renewables LLC, Proposed Project Design Parameters.....	4
Table 2. Modeled results for Free Lane showing yellow glare.....	5
Table 3. Modeled results for Mason-Poyner Road showing yellow glare.....	6
Table 4. Modeled results for SR 949 showing yellow glare.	8
Table 5. Modeled results for US 431 showing yellow glare.....	10
Table 6. Modeled results for Observation Points showing yellow glare.	11

LIST OF FIGURES

Figure 1. Looking west, southwest across the proposed solar facility property..... 1

Figure 2. Poultry barns will remain in place and in use after the solar facility is developed..... 2

Figure 3. The images above are looking west southwest toward the proposed solar facility from the potentially affected portion of SR 949. Image source: Google Maps, 2023..... 7

Figure 4. The view looking southeast toward the solar facility from the potentially affected portion of US 431 during two times of the year. Image source: Google Maps, 2014 and 2022..... 9

Figure 5. Location of OP 12 (yellow pin) shown surrounded by existing vegetation in relation to the planned solar facility. Image source: Google Earth Pro, 2024..... 12

Figure 6. A view of the existing mature vegetation across US 431 from OP 26 (residence shown on the right) that would remain in place. Image source: Google Maps, 2014 and 2022. 13

Appendices

Appendix A: ForgeSolar Glare Analysis Results

Appendix B: Landscaping Plan

BACKGROUND

Project Summary

Lost City Renewables LLC, contracted Copperhead Environmental Consulting, Inc., (Copperhead) to conduct a glare analysis for the proposed 250-megawatt (MW) Lost City Solar project (Lost City or Project). The Project is located in southeastern Muhlenberg County approximately 0.4 miles east of Penrod and 1.25 miles northeast of Dunmore. The Project Area consists of approximately 1,413 acres and has reference coordinates of 37.103232°, -86.982529°. The Project Area is located along KY 949, US 431, Mason-Poyner Road, and Forgy Mill Road. The Project Area is currently used as agricultural land, including for corn, soybeans, hay, poultry, cattle, sheep, and goats as well as forested areas.

According to the National Land Cover Database (NLCD), the Project Area currently consists predominantly of agricultural lands/cultivated crops, pasture, and forest/wooded land. The area surrounding the site appears to be a mix of hay/pasture and deciduous forest with smaller areas of developed space along roadways (Figure 1).



Figure 1. Looking west, southwest across the proposed solar facility property.

A few structures (e.g., barns and a house) currently exist on the Project Site, which will be removed prior to construction of the solar facility. The four large barns located on the northern portion of the Project Site will remain in place and continue to be used for poultry farming (Figure 2).



Figure 2. Poultry barns will remain in place and in use after the solar facility is developed.

The Project would generate electricity using solar photovoltaic (PV) panels. It would include a utility interconnection substation, a storage/maintenance container, inverter boxes, transformers, and overhead and underground electrical conveyance lines. The power generated will be sold to the Tennessee Valley Authority (TVA).

Although the results of the glare analysis algorithms indicate that glare could result from the Project for a short time at a small number of nearby modeled receptor locations, modeled impacts are limited, and actual impacts are expected to be even less (Appendix A). For example, the model does not account for intervening terrain (slopes ranging from 2 percent to 43 percent), an abandoned 6-foot raised rail line along US 431, or forested areas that may obstruct views of certain panel areas, nor does it reflect reductions in impact associated with reductions in retinal irradiance associated with distance. Glare will not occur where the panels cannot be seen, and

more distance indications of glare much less likely to cause an adverse effect. In addition, Lost City has developed and will implement a vegetation plan that will further screen residences and roadways from the PV panels (Appendix B). Details on the methodology and results of the glare analysis are provided in other sections of this report.

Solar Glare

The glare analysis was conducted using the latest version of the ForgeSolar GlareGauge solar glare tool, formerly known as the Solar Glare Hazard Analysis (SGHAT) developed by Sandia National Laboratories to analyze potential glare caused by the sun reflecting off solar panels.

Glare is defined as a continuous source of bright light and is a common phenomenon in our everyday lives. Both the sun and artificial light sources can cause glare either directly (such as from a sunset when driving westbound) or indirectly (such as from the sun's reflections from a lake or mirror). Potential concerns associated with glare may include:

- Safety impacts, such as the potential to disorient motorists when driving or pilots when taking off or landing; or
- Annoyance impacts, such as distraction, after-image in the viewer's vision, or temporary avoidance of a view due to the presence of reflected light.

The GlareGauge model results in three possible levels of glare:

1. Green: Low potential for after-image
2. Yellow: Potential for after-image
3. Red: Potential for permanent eye damage

No red glare was indicated from the modeling results (Appendix A). The extent of green and yellow glare, where modeled, is discussed below.

SOLAR GLARE ANALYSIS

Using the GlareGauge software, Copperhead completed an analysis to identify the potential for solar glare to result from the Project. The locations for which potential solar glare from the Project was analyzed includes six road segments (all two-way roads) and 39 observation points (OPs) representing specific nearby residences. Although no public airports are proximate to the Project Area, with the closest airport being at least 18 miles away, three were included to ensure a thorough analysis: Muhlenberg County Airport, Russellville-Logan Airport, and Bowling Green Regional Airport.

Each of the evaluated road segments and OPs where yellow glare is indicated is discussed below. Beginning with the GlareGauge results, each section considers additional factors that would further reduce glare potential (such as intervening topography, vegetation, and distance) in order

to characterize glare potential in each location. The full GlareGauge analysis output is provided in Appendix A.

Design Parameters

In deploying the model, we broke up the entire array footprint into 20 sections to allow for more accurate modeling given the limitations of the GlareGauge tool. The project design parameters for the array provided by Lost City Renewables are shown in Table 1. The height above ground for all sections of the array is 15 feet. This is a conservative assumption as the arrays Lost City currently plans to use should not exceed 10 feet.

Table 1. Lost City Renewables LLC, Proposed Project Design Parameters.

System Tracking	Backtracking Method	Tracking Axis Orientation	Maximum Tracking Angle	Resting Angle	Ground Coverage Ratio (GPR)	Module Surface Material
Single	Shade-slope	180	60	0	.45	Smooth glass with anti-reflective coating (ARC)

Observation Point and Route Receptor Parameters

The analysis was performed for the observation points at each of the residences adjacent to the proposed solar facility. No commercial properties were found in the area. The elevation at leach point was set at 6 feet above the ground to assume typical eye level.

A total of 6 routes in the immediate vicinity of the proposed project site were modeled using an elevation of 5 feet. The view angle along all routes was set at 50 degrees.

Obstruction Parameters

To try to make this analysis as accurate as possible, existing vegetation were modeled as obstructions. Portions of the perimeter of the solar facility are heavily forested and only forested areas within the security fence line will be altered. Additionally, obstructions were added where tree and shrub plantings are planned (see Landscaping Plan in Appendix B). Where a double row of tree and shrub plantings are planned, two obstruction lines were used. A height of 8-feet was used for all obstructions as an average between new plantings and existing vegetation.

The options for adding and modeling obstructions in the GlareGauge tool are limited. For example, only a single height for each line representing an obstruction can be entered. The

planned tree and shrub plantings range from 30-feet (single row) to 40-feet (double row). In some areas outside of the project boundary, a significant amount of mature vegetation exists. However, due to the limits on the number of obstructions permitted in the tool, these areas are not accurately represented in height or width of the patches. While an effort was made to account for these areas, the modeled results indicate some yellow glare at roadway and observation locations (discussed in the following section) that would likely be further reduced if these factors could be considered more accurately.

SUMMARY OF RESULTS FOR NEARBY ROADWAY AND OBSERVATION LOCATIONS

Results for Route Receptors and Observation Points that, according to modeled results, may experience yellow glare are summarized below. Alongside the GlareGauge results, additional factors are considered that would further reduce glare potential (such as intervening topography, vegetation, and distance) in order to characterize glare potential in each location. Where only green glare was found from the model, those results are summarized in the full GlareGauge output provided in Appendix A.

Route Receptor 1: Free Lane

The northern portion of Free Lane is predicted to experience some yellow glare during the early morning hours throughout the winter months. However, a double row of tree and shrub plantings is planned, which would be about 40-feet wide. This planned planting would be relatively close to Free Lane, given the proximity of the roadway to the solar facility array. An abundance of sunlight is not anticipated at the early hours predicted, and, this combined with the other factors, such as limited traffic primarily related to the 6 residences located on Free Lane or trucks related to grazing livestock or poultry barns, is likely to result in reduced actual glare experienced at this location (see Landscaping Plan in Appendix B).

Table 2. Modeled results for Free Lane showing yellow glare.

Panel Area	Approx. Feet from Array	Yellow Glare			Comments
		Time of Year (approx.)	Time of Day (approx.)	Modeled Duration (minutes)	
Main 1a1	670 - 790	Oct - Feb	6:45 - 8:30 am	1,251	Double row of planned tree and shrub plantings will screen potential visibility. Sunlight will not be direct at this time of day and proximity of roadway to planned vegetation planting will reduce effects from glare.

Route Receptor 2: Mason-Poyner Road

The portion of Mason-Poyner Road that the model results suggest will be affected is in close proximity to the solar facility and is about 0.31 miles long (approximately 25% of the entire roadway length). A double row of tree and shrub plantings is planned between the facility and the roadway, for the entire length of the roadway. The portion of affected roadway is at a variable but at times lower elevation in comparison to the location of the solar array. In addition, the ForgeSolar model does not account for topography and its role in naturally blocking any glare that would be produced. Because of the lower elevation and the view of the panels obscured by existing mature vegetation and planned vegetation directly adjacent to the roadway, the actual glare experienced while on the roadway will likely be reduced.

Table 3. Modeled results for Mason-Poyner Road showing yellow glare.

Panel Area	Approx. Feet from Array	Yellow Glare			Comments
		Time of Year (approx.)	Time of Day (approx.)	Modeled Duration (minutes)	
Main 3b7	135 - 190	Sept - March	6:30 am - 5 pm	17,255	The daily duration of modeled glare is variable depending on time of year and could occur throughout the day. A double row of tree and shrub planting (40-feet wide) is planned along the entire length of Mason-Poyner Road to alleviate the effects of any glare that could be produced by this section of the solar facility. Existing mature vegetation that ranges approximately 45 to 100 feet wide would remain, further providing a buffer from any glare produced. The topography of the solar facility is variable, and any natural obstruction is not accounted for in the ForgeSolar model.

Route Receptor 3: SR 949

The model results suggest that two small sections of SR 949 could experience yellow glare at times of the year. The ForgeSolar model does not account for existing vegetation and does not provide an opportunity to model the planned vegetation appropriately (height only, no options for width). In addition, the model does not account for existing topography that may naturally obscure any glare produced. Combined with the distance from the solar facility, these factors are

likely to result in reduced glare experienced at these locations. Figure 3 shows the view from SR 949 looking toward the solar facility site. The existing mature vegetation seen would remain and an additional double row planting along the security fence would be installed and would be approximately 40 feet wide. As seen in the images, the existing and planned vegetation combined with distance from the facility would dramatically alleviate any effects from glare produced from the array.

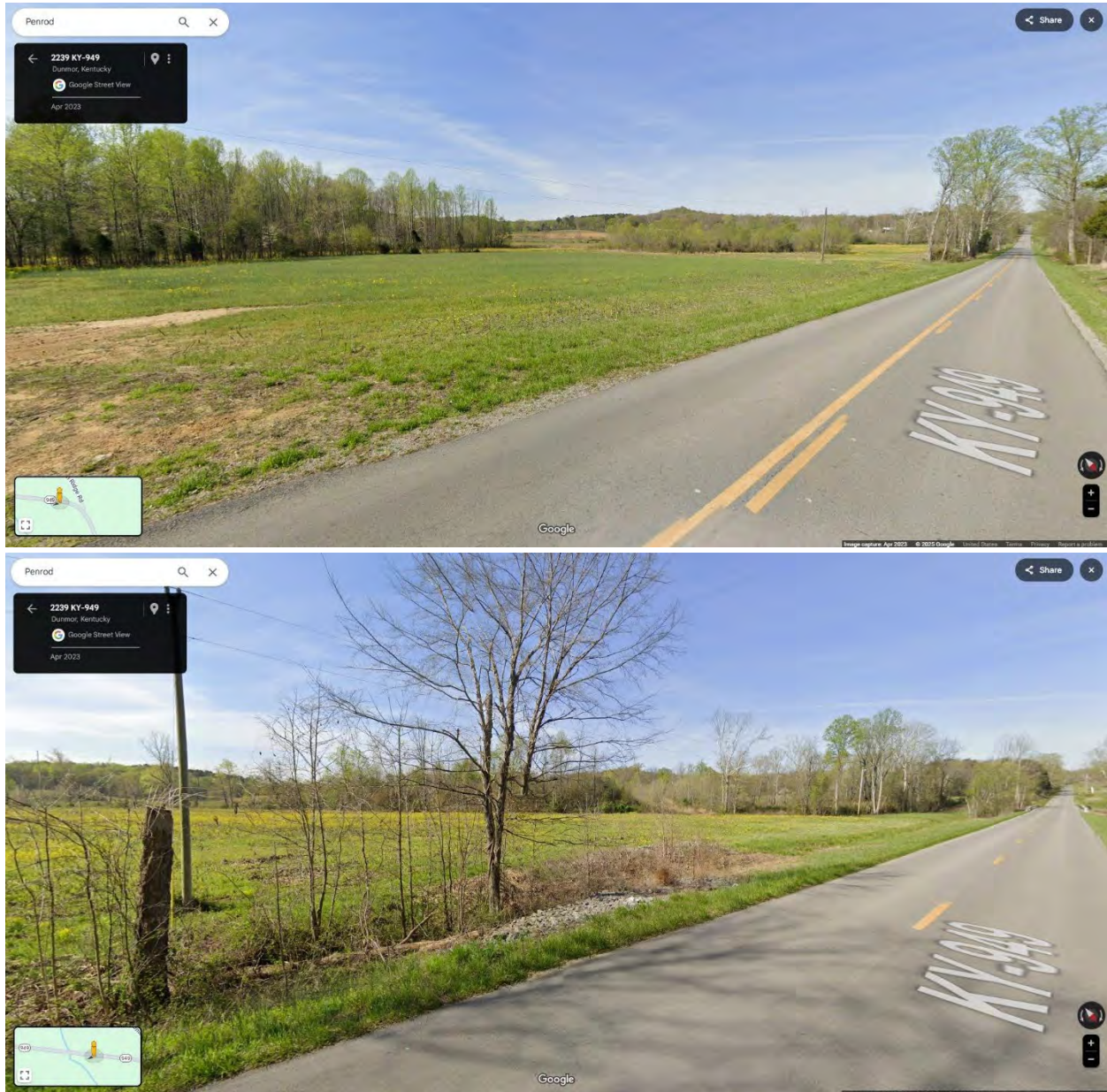


Figure 3. The images above are looking west southwest toward the proposed solar facility from the potentially affected portion of SR 949. Image source: Google Maps, 2023.

Table 4. Modeled results for SR 949 showing yellow glare.

Panel Area	Approx. Feet from Array	Yellow Glare			Comments
		Time of Year (approx.)	Time of Day (approx.)	Modeled Duration (minutes)	
East 2	1,040 – 1,304	Oct – Nov; Jan – Feb	2:30 – 4pm	2,475	In addition to the distance from the roadway, a double row planting is planned for the perimeter of the array causing the glare in the model, which would be approximately 40-feet wide. These factors are likely to reduce the actual glare experienced at this location on the roadway.
Main 1d	1,551	Oct, Feb	4:45 – 5:30pm	18	The amount of glare that the model produces is limited to a handful of days each month for a short period of time. There is at least 610 feet of existing mature vegetation from the security fence line of the facility with additional double row plantings planned for part of the perimeter of the array section causing the glare. These factors, in addition to the distance from the array, are likely to result in dramatically reduced glare actually experienced at this location of the roadway.

Route Receptor 4: US 431

According to the modeled results, a small northern portion of US 431 is expected to experience yellow glare by two array sections of the solar facility. The arrays are both very far (over 1,500 feet) from the affected location and have a large amount of existing and mature vegetation in between that would remain intact. As is shown in Figure 4, even in the colder months when deciduous vegetation is dormant, this existing vegetation currently obscures any view of the property where the solar facility will be located. An additional vegetation buffer is planned along a portion of this fence line that would further reduce the potential to experience any glare produced by the arrays.

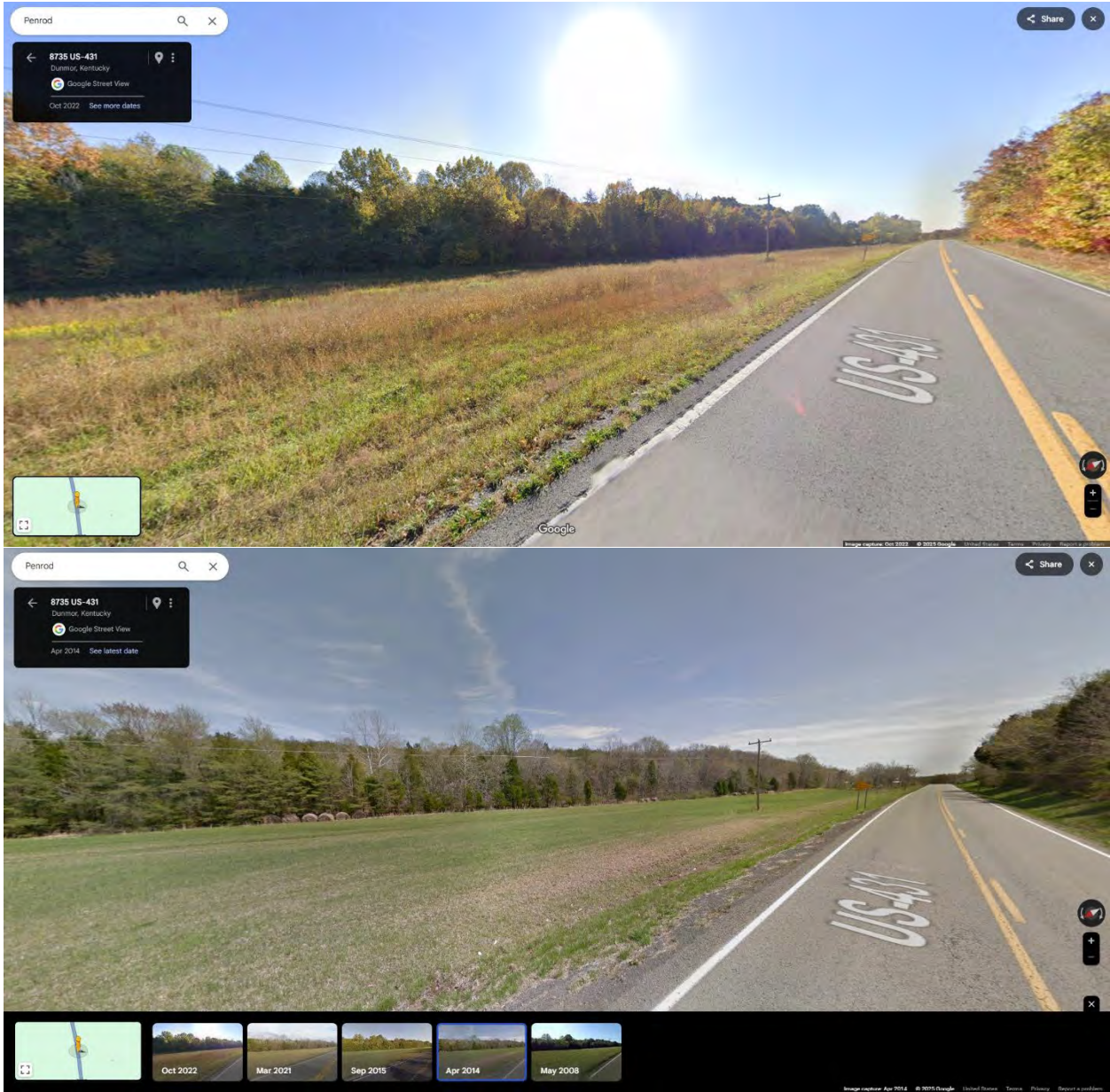


Figure 4. The view looking southeast toward the solar facility from the potentially affected portion of US 431 during two times of the year. Image source: Google Maps, 2014 and 2022.

Table 5. Modeled results for US 431 showing yellow glare.

Panel Area	Approx. Feet from Array	Yellow Glare			Comments
		Time of Year (approx.)	Time of Day (approx.)	Modeled Duration (minutes)	
Main 3b4	1,865 - 1,931	Oct - Nov; Jan - Feb	7 - 8:30 am	86	Glare produced by the model is constrained to the early hours of the morning and for a short duration. Not only is the distance from this point of the roadway very far from the solar array, the majority of this space is existing mature vegetation approximately 1,642 feet wide. The distance and vegetation combined would likely reduce actual glare experienced at this location.
Main 3b7	2,203 - 2,342	Nov - Jan	8 - 9:30 am	262	Glare produced by the model is constrained to the early morning hours and for a short duration. The portion of the roadway affected is very far from the array causing the glare. While a single 30-foot wide row of tree and shrub planting is planned, there is an additional 1,598 foot wide section of existing mature vegetation that is not accounted for in the model. These factors would likely reduce actual glare experienced at this location

Observation Points

The Observation Points (OPs) described below are all residences adjacent to the solar facility that are indicated as potentially experiencing yellow glare. Four of the OPs (#3, 4, 5, and 6) and located west of Free Lane at the northern end of the facility. OP #12 is also at the northern end of the facility, but on the eastern side next to SR 949. Finally, OP #26 is closer to the center of the facility, on the west side of US 431.

OPs not described in Table 6 are indicated by the model as either experiencing no or green glare only. Of the 39 OPs, 17 are indicated as potentially experiencing green glare only and 16 are not indicated as experiencing any glare. Because green glare is considered low potential for after-

image, the remainder of this section of the report focuses on modeled results indicating yellow glare.

Table 6. Modeled results for Observation Points showing yellow glare.

OP #	Panel Area	Approx. Feet from Array	Yellow Glare			Comments
			Time of Year (approx.)	Time of Day (approx.)	Modeled Duration (minutes)	
12	East 2	1,204	Jan - Mar	4:30 - 5 pm	70	Property is surrounded by existing mature vegetation that provides a buffer ranging from 460 to 300ft wide, shown in Figure 5. The pink outline in Figure 5 represents the approximate location of fence for the facility. Existing vegetation and topography is not captured by the ForgeSolar model. An additional double row planting is planned along the perimeter of the solar facility. Distance from the facility and existing and additional planned vegetation would likely further reduce any glare experienced at this location.
3	Main 1a1	546	Feb, Oct	7 - 8 am; 6:45 - 7 am	70	A double row planting is planned along the perimeter of the solar facility, which will further reduce actual glare experienced at this location.
4	Main 1a1	568	Oct; Dec - Feb	6:45 - 8 am	256	A double row planting is planned along the perimeter of the solar facility, which will further reduce actual glare experienced at this location.
5	Main 1a1	737	Dec - Feb	7:25 - 8:30 am	215	A double row planting is planned along the perimeter of the solar facility, which will further reduce actual glare experienced at this location.
6	Main 1a1	913	Dec - Feb	7:30 - 8:30 am	208	Distance from the facility and the planned double row planting along the perimeter of the facility would likely further reduce actual glare experienced at this location.
26	West Top	380	May - July	4:50 - 5:30 am	306	Glare is predicted to occur in the early morning hours before and just as the sun

--	--	--	--	--

begins to rise. The existing mature vegetation across US 431 from the residence is approximately 100 feet wide and upslope from the roadway. Even in winter months this existing vegetation is robust and would provide an adequate buffer (Top, Figure 6).

Additionally, a double row planting is planned along the perimeter of the facility that would soften the effects of any glare that may be produced during this time. However, because of the timing and amount of available sunlight, little actual effect is expected.



Figure 5. Location of OP 12 (yellow pin) shown surrounded by existing vegetation in relation to the planned solar facility. Image source: Google Earth Pro, 2024.

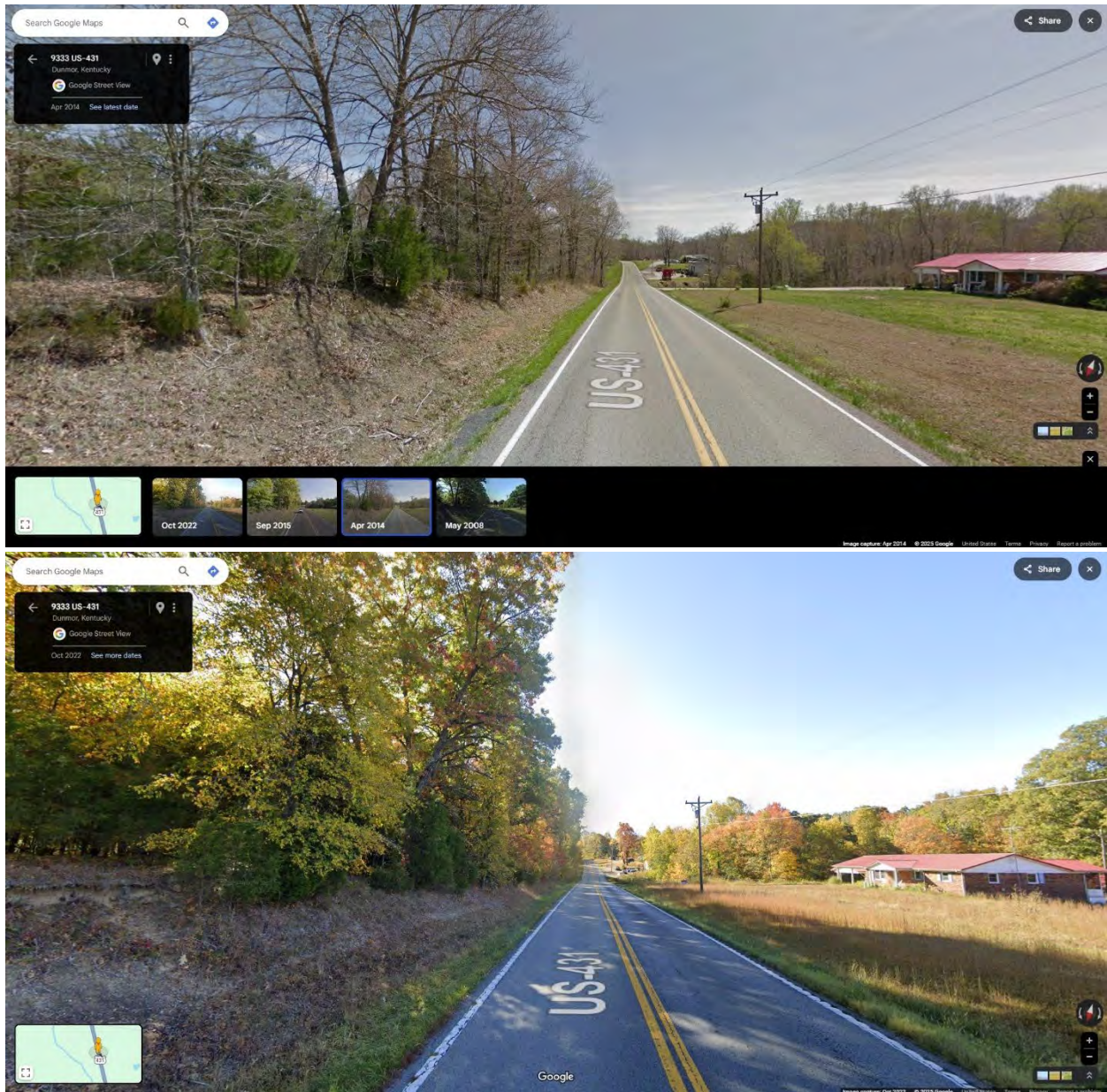


Figure 6. A view of the existing mature vegetation across US 431 from OP 26 (residence shown on the right) that would remain in place. Image source: Google Maps, 2014 and 2022.

AIRPORT SENSITIVE RECEPTORS AND PILOT ANALYSIS

In 2013, the FAA published an Interim Policy for Solar Projects at Airports. This Policy was finalized and went into effect on May 11, 2021 (86 FR 25801). In developing the final rule, the FAA concluded that the glint and glare from solar energy systems to pilots on final approach is similar to glint and glare pilots routinely experience from waterbodies, glass-façade buildings, parking lots, and similar features. The FAA continued to receive reports of glint and glare effects from on-airport solar arrays on air traffic control tower cab (ATCT) personnel and determined that agency

policy should focus on the impact of these systems to federally-obligated towered airports, specifically the ATCT cab (14 CFR Part 77).

Although the final rule does not apply to off-airport solar facilities, we used ForgeSolar's GlareGauge tool to analyze three nearby airports: Bowling Green Regional Airport, Muhlenberg County Airport, and Russellville-Logan Airport. None of these airports have ACTCs. The tool produced no modeled yellow or red glare from the array on the final approach to any of the airport runways. The ForgeSolar model suggests that there could be approximately 151 minutes of green glare experienced during two months of the year at the very ends of one of the flight paths mapped for the Bowling Green Regional Airport. As stated previously, this amount and type of glare is comparable to glint and glare pilots routinely experience and therefore does not pose any immediate concern. The ForgeSolar model results can be found in Appendix A.

CONCLUSIONS

ForgeSolar's GlareGauge tool, which incorporates the SGHAT model, was used to assess 39 observation points (OPs) and five roadway segments to identify the Project's potential to cause glare. The model indicated that the potential exists for yellow glare to result from the Project from six sections of the array (out of a total of 20 total sections). Green glare only is predicted to occur at 17 OPs and on one roadway segment. Yellow glare is predicted to occur at six OPs and on four roadway segments. No red glare was predicted and green or yellow glare that has been predicted is expected to occur over the course of a handful of months for relatively short periods of time throughout the year. As addressed in this report, a more detailed review indicates that little potential exists for glare to materially affect the Project surroundings. The model is intended to reflect extremely conservative results, including the following:

- The model does not account for intervening topography that would block views of certain panel areas from a given modeled location. As discussed above for each of the segments and OPs, many of the locations where glare was predicted will not be visible or may be partially visible; in some instances, the partial visibility would shield viewers from the portion of the panels modeled as producing glare. If the panels cannot be seen from a given location, no glare effect would be experienced.
- The model also does not account for significant existing vegetation that would block views of certain panel areas from a given modeled location. As discussed above for each of the segments and OPs, a substantial amount of existing vegetation that will be retained will block visibility of certain panel areas. In addition to the existing vegetation, the Project plans to incorporate a robust landscaping plan that will add vegetation where it may not currently exist and to augment other areas (see Landscaping Plan in Appendix B). Depending on the location, a 30- or 40-foot wide row of a combination of trees and shrubs will be planted that will mature to heights ranging from 4- to 80-feet. While the landscaping is not intended to outright block views of the panels and would rather screen

and soften views of the panels, vegetation can be further enhanced should experienced glare become an issue from a given location.

- Distance is also not a factor used in the model when calculating retinal irradiance. Several of the places where glare is predicted are quite distant from the viewing segment or OP. As distance increases from a potential location with glare effect, reflected light will diffuse and tend to become less concentrated and have a decreased characteristic of glare.

Given the adjustments to the modeled results based on tangible factors that would block visibility, and other factors noted above that are likely to reduce the potential for impact still further, glare is not expected to adversely influence traffic on nearby modeled roads or modeled OP locations. In the unlikely event that glare were to pose a concern from a given location, mitigation measures that could include enhanced landscaping would be considered.

REFERENCES

Federal Aviation Administration (2021). Final Policy, Review of Solar Energy System Projects on Federally Obligated Airports. Document Number 2021-09862. Available at: <https://www.federalregister.gov/documents/2021/05/11/2021-09862/federal-aviation-administration-policy-review-of-solar-energy-system-projects-on-federally-obligated>

Federal Aviation Administration (2013). Interim Policy, FAA Review of Solar Energy System Projects on Federally Obligated Airports. Federal Register: 63276-63279 Available at: <https://www.federalregister.gov/documents/2013/10/23/2013-24729/interim-policy-faa-review-of-solar-energy-system-projects-on-federally-obligated-airports>

ForgeSolar (2024). GlareGauge, Release 2024B.

Ho, C. K., 2011, "Observations and Assessments of Glare from Heliostats and Trough Collectors: Helicopter Flyover and Drive-By Sightings", in proceedings of *SolarPACES 2011*, Granada, Spain, Sept. 20-23. Available at: https://www.forgesolar.com/static/docs/Glare_SolarPACES2011_ID23538_Ho_header.pdf

Appendix A

ForgeSolar Glare Analysis

FORGESOLAR GLARE ANALYSIS

Project: **Lost City Solar**

Proposed 247 MW solar farm in Muhlenberg County, KY

Site configuration: **Lost City Final Layout**

Client: Sunrise Renewables

Created 16 Dec, 2024

Updated 16 Dec, 2024

Time-step 1 minute

Timezone offset UTC-6

Minimum sun altitude 0.0 deg

DNI peaks at 1,000.0 W/m²

Category 100 MW to 1 GW

Site ID 136952.22824

Ocular transmission coefficient 0.5

Pupil diameter 0.002 m

Eye focal length 0.017 m

Sun subtended angle 9.3 mrad

PV analysis methodology V2

Summary of Results Glare with potential for temporary after-image predicted

PV Array	Tilt °	Orient °	Annual Green Glare		Annual Yellow Glare		Energy kWh
			min	hr	min	hr	
East 1	SA tracking	SA tracking	0	0.0	0	0.0	-
East 2	SA tracking	SA tracking	4,762	79.4	2,545	42.4	-
Main 1a1	SA tracking	SA tracking	1,749	29.1	2,000	33.3	-
Main 1a2	SA tracking	SA tracking	16	0.3	0	0.0	-
Main 1c	SA tracking	SA tracking	151	2.5	0	0.0	-
Main 1d	SA tracking	SA tracking	885	14.8	18	0.3	-
Main 2a	SA tracking	SA tracking	2,861	47.7	0	0.0	-
Main 2c1	SA tracking	SA tracking	52	0.9	0	0.0	-
Main 2c2	SA tracking	SA tracking	0	0.0	0	0.0	-
Main 3a	SA tracking	SA tracking	54	0.9	0	0.0	-
Main 3b1	SA tracking	SA tracking	2,085	34.8	0	0.0	-
Main 3b2	SA tracking	SA tracking	0	0.0	0	0.0	-
Main 3b3	SA tracking	SA tracking	0	0.0	0	0.0	-
Main 3b4	SA tracking	SA tracking	11,060	184.3	86	1.4	-
Main 3b5	SA tracking	SA tracking	3,077	51.3	0	0.0	-
Main 3b6	SA tracking	SA tracking	0	0.0	0	0.0	-
Main 3b7	SA tracking	SA tracking	40,135	668.9	17,482	291.4	-
South	SA tracking	SA tracking	0	0.0	0	0.0	-
West Bottom	SA tracking	SA tracking	0	0.0	0	0.0	-
West top	SA tracking	SA tracking	352	5.9	306	5.1	-

Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

Forge Mill Rd	52	0.9	0	0.0
Free Ln	4,450	74.2	1,251	20.9

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Mason-Poyner Rd	15,874	264.6	17,255	287.6
Pendley Mill Rd	0	0.0	0	0.0
SR-949	5,097	85.0	2,493	41.5
US-431	4,723	78.7	313	5.2
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	151	2.5	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 1	719	12.0	0	0.0
OP 2	2,414	40.2	0	0.0
OP 3	4,151	69.2	70	1.2
OP 4	4,950	82.5	256	4.3
OP 5	3,320	55.3	215	3.6
OP 6	2,770	46.2	208	3.5
OP 7	1,377	22.9	0	0.0
OP 8	973	16.2	0	0.0
OP 9	1,306	21.8	0	0.0
OP 10	1,077	17.9	0	0.0
OP 11	141	2.4	0	0.0
OP 12	1,092	18.2	70	1.2
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	852	14.2	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 25	338	5.6	0	0.0
OP 26	458	7.6	306	5.1
OP 27	0	0.0	0	0.0
OP 28	244	4.1	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	213	3.5	0	0.0
OP 34	875	14.6	0	0.0
OP 35	1,387	23.1	0	0.0
OP 36	1,664	27.7	0	0.0
OP 37	2,251	37.5	0	0.0
OP 38	2,439	40.6	0	0.0
OP 39	1,881	31.4	0	0.0

Component Data

PV Arrays

Name: East 1
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0°
Max tracking angle: 60.0°
Resting angle: 0.0°
Ground Coverage Ratio: 0.45
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.111941	-86.974751	443.99	15.00	458.99
2	37.112236	-86.974778	445.97	15.00	460.97
3	37.112947	-86.974145	425.58	15.00	440.58
4	37.112964	-86.973640	428.92	15.00	443.92
5	37.113524	-86.973560	425.26	15.00	440.26
6	37.113554	-86.972793	437.41	15.00	452.41
7	37.113216	-86.972696	436.33	15.00	451.33
8	37.112904	-86.972482	426.34	15.00	441.34
9	37.112378	-86.972444	416.46	15.00	431.46
10	37.112284	-86.973517	429.27	15.00	444.27
11	37.111971	-86.973731	427.92	15.00	442.92

Name: East 2

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.111881	-86.973238	423.60	15.00	438.60
2	37.111903	-86.972047	412.33	15.00	427.33
3	37.111715	-86.972031	412.63	15.00	427.63
4	37.111616	-86.971913	412.50	15.00	427.50
5	37.111488	-86.971870	412.94	15.00	427.94
6	37.111368	-86.971784	413.64	15.00	428.64
7	37.111193	-86.971629	414.93	15.00	429.93
8	37.110992	-86.971484	415.28	15.00	430.28
9	37.110662	-86.971473	416.15	15.00	431.15
10	37.110641	-86.972337	440.85	15.00	455.85
11	37.110991	-86.972349	436.27	15.00	451.27
12	37.110991	-86.972349	436.27	15.00	451.27
13	37.110991	-86.972349	436.27	15.00	451.27
14	37.110991	-86.972349	436.27	15.00	451.27
15	37.110991	-86.972349	436.27	15.00	451.27
16	37.110991	-86.972349	436.27	15.00	451.27
17	37.110991	-86.972349	436.27	15.00	451.27
18	37.110991	-86.972349	436.27	15.00	451.27
19	37.110991	-86.972349	436.27	15.00	451.27
20	37.110991	-86.972349	436.27	15.00	451.27
21	37.110991	-86.972349	436.27	15.00	451.27
22	37.110991	-86.972349	436.27	15.00	451.27
23	37.110991	-86.972349	436.27	15.00	451.27
24	37.110991	-86.972349	436.27	15.00	451.27
25	37.110991	-86.972349	436.27	15.00	451.27
26	37.110991	-86.972349	436.27	15.00	451.27
27	37.110991	-86.972349	436.27	15.00	451.27
28	37.110991	-86.972349	436.27	15.00	451.27
29	37.110991	-86.972349	436.27	15.00	451.27
30	37.110989	-86.972522	441.38	15.00	456.38
31	37.110989	-86.972522	441.38	15.00	456.38
32	37.110989	-86.972522	441.38	15.00	456.38
33	37.110989	-86.972522	441.38	15.00	456.38
34	37.110989	-86.972522	441.38	15.00	456.38
35	37.110989	-86.972522	441.38	15.00	456.38
36	37.110989	-86.972522	441.38	15.00	456.38
37	37.110989	-86.972522	441.38	15.00	456.38
38	37.110989	-86.972522	441.38	15.00	456.38
39	37.110989	-86.972522	441.38	15.00	456.38
40	37.110989	-86.972522	441.38	15.00	456.38
41	37.110989	-86.972522	441.38	15.00	456.38
42	37.110989	-86.972522	441.38	15.00	456.38
43	37.110989	-86.972522	441.38	15.00	456.38
44	37.110989	-86.972522	441.38	15.00	456.38
45	37.110989	-86.972522	441.38	15.00	456.38
46	37.110989	-86.972522	441.38	15.00	456.38
47	37.110989	-86.972522	441.38	15.00	456.38
48	37.110989	-86.972522	441.38	15.00	456.38
49	37.111227	-86.972524	433.91	15.00	448.91
50	37.111223	-86.972938	449.99	15.00	464.99
51	37.110940	-86.972916	453.77	15.00	468.77
52	37.110996	-86.973377	448.97	15.00	463.97
53	37.111248	-86.973694	436.35	15.00	451.35
54	37.111492	-86.973715	431.92	15.00	446.92
55	37.111501	-86.973222	438.86	15.00	453.86



Name: Main 1a1

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.112149	-86.986912	462.61	15.00	477.61
2	37.112218	-86.984412	460.23	15.00	475.23
3	37.112821	-86.984406	452.63	15.00	467.63
4	37.112812	-86.984170	448.08	15.00	463.08
5	37.112574	-86.984180	452.45	15.00	467.45
6	37.112573	-86.983940	450.94	15.00	465.94
7	37.112229	-86.983934	454.33	15.00	469.33
8	37.112231	-86.983736	453.92	15.00	468.92
9	37.111931	-86.983731	456.82	15.00	471.82
10	37.111931	-86.983806	457.49	15.00	472.49
11	37.111606	-86.983800	463.67	15.00	478.67
12	37.111604	-86.984047	463.95	15.00	478.95
13	37.110913	-86.984036	472.11	15.00	487.11
14	37.110921	-86.983494	471.29	15.00	486.29
15	37.111269	-86.983512	464.91	15.00	479.91
16	37.111270	-86.983403	465.09	15.00	480.09
17	37.111610	-86.983409	461.43	15.00	476.43
18	37.111610	-86.983317	461.53	15.00	476.53
19	37.111272	-86.983312	465.73	15.00	480.73
20	37.111281	-86.983103	466.37	15.00	481.37
21	37.110947	-86.983087	470.87	15.00	485.87
22	37.110956	-86.982601	484.40	15.00	499.40
23	37.110553	-86.982596	493.80	15.00	508.80
24	37.110571	-86.980775	545.85	15.00	560.85
25	37.109257	-86.980716	591.82	15.00	606.82
26	37.109257	-86.980909	578.57	15.00	593.57
27	37.108949	-86.980909	570.14	15.00	585.14
28	37.108975	-86.983419	494.43	15.00	509.43
29	37.109261	-86.983430	491.16	15.00	506.16
30	37.109266	-86.983210	492.23	15.00	507.23
31	37.109702	-86.983226	494.15	15.00	509.15
32	37.109702	-86.983398	489.48	15.00	504.48
33	37.109912	-86.983414	485.56	15.00	500.56
34	37.109903	-86.983629	483.05	15.00	498.05
35	37.110536	-86.983645	477.41	15.00	492.41
36	37.110532	-86.983913	478.33	15.00	493.33
37	37.109548	-86.983870	488.07	15.00	503.07
38	37.109535	-86.985184	487.07	15.00	502.07
39	37.109860	-86.985190	491.08	15.00	506.08
40	37.109865	-86.985919	475.78	15.00	490.78
41	37.110181	-86.985914	482.63	15.00	497.63
42	37.110190	-86.986305	473.89	15.00	488.89
43	37.110545	-86.986300	480.27	15.00	495.27
44	37.110549	-86.986434	478.19	15.00	493.19
45	37.110934	-86.986434	479.01	15.00	494.01
46	37.110934	-86.986595	475.20	15.00	490.20

Name: Main 1a2

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

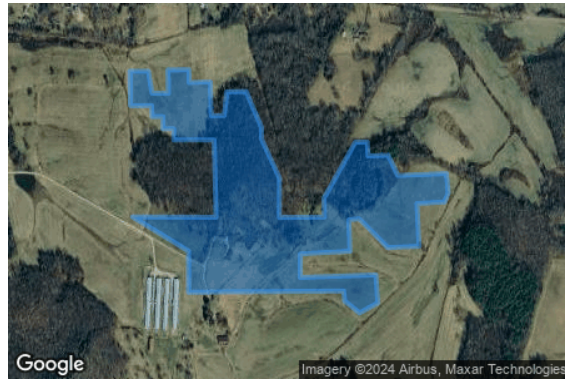
Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.108890	-86.983429	495.42	15.00	510.42
2	37.108878	-86.980559	582.30	15.00	597.30
3	37.110991	-86.980623	514.88	15.00	529.88
4	37.110987	-86.982007	487.47	15.00	502.47
5	37.111299	-86.982018	481.54	15.00	496.54
6	37.111295	-86.982377	473.79	15.00	488.79
7	37.111628	-86.982377	471.83	15.00	486.83
8	37.111628	-86.982758	467.49	15.00	482.49
9	37.111928	-86.982769	463.99	15.00	478.99
10	37.111928	-86.983499	456.89	15.00	471.89
11	37.112869	-86.983515	452.44	15.00	467.44
12	37.112865	-86.982887	453.94	15.00	468.94
13	37.112266	-86.982758	460.98	15.00	475.98
14	37.112257	-86.982195	463.82	15.00	478.82
15	37.112903	-86.982211	456.38	15.00	471.38
16	37.112907	-86.981492	461.59	15.00	476.59
17	37.112557	-86.981481	464.90	15.00	479.90
18	37.112574	-86.980752	460.92	15.00	475.92
19	37.111654	-86.980725	478.78	15.00	493.78
20	37.111658	-86.980274	493.94	15.00	508.94
21	37.112304	-86.980189	471.17	15.00	486.17
22	37.112313	-86.979523	478.51	15.00	493.51
23	37.111333	-86.978998	510.04	15.00	525.04
24	37.111008	-86.978992	541.74	15.00	556.74
25	37.109943	-86.978375	552.75	15.00	567.75
26	37.108873	-86.978386	520.35	15.00	535.35
27	37.108882	-86.976836	484.88	15.00	499.88
28	37.109404	-86.976847	498.13	15.00	513.13
29	37.110927	-86.975774	461.91	15.00	476.91
30	37.110935	-86.975361	454.78	15.00	469.78
31	37.110554	-86.975339	467.05	15.00	482.05
32	37.110572	-86.974647	451.88	15.00	466.88
33	37.110020	-86.974309	446.28	15.00	461.28
34	37.110071	-86.972641	429.24	15.00	444.24
35	37.109541	-86.972582	419.26	15.00	434.26
36	37.109297	-86.972711	420.52	15.00	435.52
37	37.109254	-86.973655	438.90	15.00	453.90
38	37.108090	-86.973585	423.75	15.00	438.75
39	37.108048	-86.974658	434.54	15.00	449.54
40	37.108835	-86.975634	451.44	15.00	466.44
41	37.108809	-86.975999	460.02	15.00	475.02
42	37.107953	-86.975956	447.84	15.00	462.84
43	37.107876	-86.977662	468.09	15.00	483.09
44	37.107235	-86.977662	462.96	15.00	477.96
45	37.107303	-86.975066	434.20	15.00	449.20
46	37.106542	-86.975001	431.38	15.00	446.38
47	37.106268	-86.975624	433.96	15.00	448.96
48	37.106593	-86.976139	439.03	15.00	454.03
49	37.106867	-86.976171	442.88	15.00	457.88
50	37.106833	-86.981503	505.26	15.00	520.26
51	37.107953	-86.981503	535.57	15.00	550.57

Name: Main 1c

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

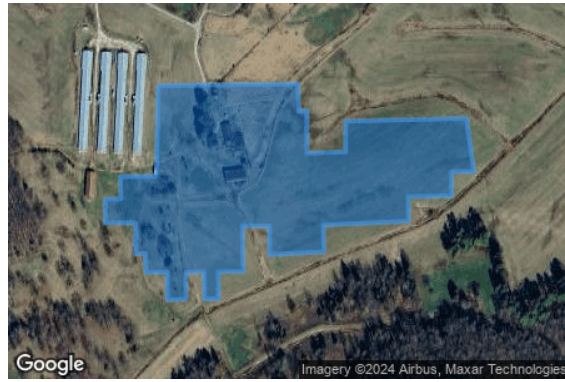
Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.106747	-86.981616	503.52	15.00	518.52
2	37.106772	-86.979218	475.97	15.00	490.97
3	37.106400	-86.979202	469.54	15.00	484.54
4	37.106409	-86.979063	468.17	15.00	483.17
5	37.105827	-86.979063	467.25	15.00	482.25
6	37.105844	-86.978403	470.92	15.00	485.92
7	37.106263	-86.978398	462.39	15.00	477.39
8	37.106302	-86.976321	440.63	15.00	455.63
9	37.105574	-86.976193	441.52	15.00	456.52
10	37.105570	-86.976574	449.30	15.00	464.30
11	37.105241	-86.976579	440.53	15.00	455.53
12	37.105232	-86.977325	446.74	15.00	461.74
13	37.104898	-86.977314	445.15	15.00	460.15
14	37.104843	-86.978778	451.61	15.00	466.61
15	37.104479	-86.978773	451.08	15.00	466.08
16	37.104441	-86.979706	458.25	15.00	473.25
17	37.104830	-86.979712	461.43	15.00	476.43
18	37.104834	-86.980173	465.99	15.00	480.99
19	37.104210	-86.980152	459.47	15.00	474.47
20	37.104205	-86.980586	461.07	15.00	476.07
21	37.103837	-86.980581	459.76	15.00	474.76
22	37.103833	-86.980828	461.07	15.00	476.07
23	37.104205	-86.980828	464.31	15.00	479.31
24	37.104197	-86.981144	470.14	15.00	485.14
25	37.103833	-86.981139	463.94	15.00	478.94
26	37.103820	-86.981461	466.71	15.00	481.71
27	37.104197	-86.981466	476.19	15.00	491.19
28	37.104197	-86.981831	474.97	15.00	489.97
29	37.104453	-86.981836	482.43	15.00	497.43
30	37.104451	-86.982018	479.41	15.00	494.41
31	37.104873	-86.982010	486.36	15.00	501.36
32	37.104873	-86.982531	490.88	15.00	505.88
33	37.105200	-86.982531	495.00	15.00	510.00
34	37.105200	-86.982263	489.93	15.00	504.93
35	37.105506	-86.982268	497.43	15.00	512.43
36	37.105512	-86.981651	498.66	15.00	513.66

Name: Main 1d

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

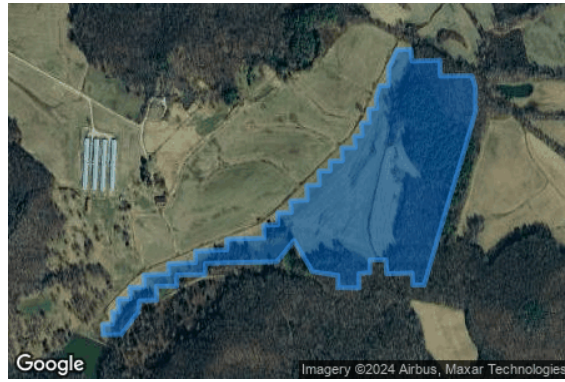
Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.101870	-86.982309	480.24	15.00	495.24
2	37.101878	-86.981671	489.74	15.00	504.74
3	37.102499	-86.981081	483.56	15.00	498.56
4	37.102798	-86.981043	476.97	15.00	491.97
5	37.102811	-86.980453	481.02	15.00	496.02
6	37.103200	-86.980464	467.93	15.00	482.93
7	37.103196	-86.979761	479.72	15.00	494.72
8	37.103504	-86.979751	469.34	15.00	484.34
9	37.103513	-86.978796	475.51	15.00	490.51
10	37.103821	-86.978780	462.25	15.00	477.25
11	37.103868	-86.976317	461.87	15.00	476.87
12	37.104450	-86.975733	451.64	15.00	466.64
13	37.103594	-86.975100	463.93	15.00	478.93
14	37.103491	-86.974225	465.29	15.00	480.29
15	37.103153	-86.974225	472.42	15.00	487.42
16	37.103149	-86.973496	474.86	15.00	489.86
17	37.103543	-86.973496	460.49	15.00	475.49
18	37.103564	-86.973131	457.10	15.00	472.10
19	37.103915	-86.973120	437.73	15.00	452.73
20	37.103919	-86.972578	442.63	15.00	457.63
21	37.103534	-86.972552	455.65	15.00	470.65
22	37.103560	-86.971677	476.02	15.00	491.02
23	37.103226	-86.971650	473.13	15.00	488.13
24	37.103230	-86.971259	484.08	15.00	499.08
25	37.104984	-86.970615	459.26	15.00	474.26
26	37.107025	-86.969837	464.96	15.00	479.96
27	37.107988	-86.969489	455.26	15.00	470.26
28	37.108647	-86.969499	449.46	15.00	464.46
29	37.108942	-86.969617	448.24	15.00	463.24
30	37.108933	-86.970706	477.67	15.00	492.67
31	37.109370	-86.970722	452.46	15.00	467.46
32	37.109340	-86.971677	422.72	15.00	437.72
33	37.109661	-86.971715	417.20	15.00	432.20
34	37.109652	-86.972203	418.70	15.00	433.70
35	37.109173	-86.972482	418.23	15.00	433.23
36	37.108681	-86.972493	419.22	15.00	434.22
37	37.108672	-86.972788	420.76	15.00	435.76
38	37.108339	-86.972911	421.29	15.00	436.29
39	37.108056	-86.972884	421.50	15.00	436.50
40	37.108026	-86.973169	422.39	15.00	437.39
41	37.107667	-86.973142	423.81	15.00	438.81
42	37.107658	-86.973415	424.66	15.00	439.66
43	37.107308	-86.973388	425.36	15.00	440.36
44	37.107290	-86.973662	425.32	15.00	440.32
45	37.106982	-86.973630	427.04	15.00	442.04
46	37.106978	-86.974091	427.96	15.00	442.96
47	37.106623	-86.974070	428.74	15.00	443.74
48	37.106610	-86.974494	429.75	15.00	444.75
49	37.106349	-86.974494	430.54	15.00	445.54
50	37.106341	-86.974874	431.22	15.00	446.22
51	37.105964	-86.974858	433.88	15.00	448.88
52	37.105947	-86.975298	433.45	15.00	448.45
53	37.105549	-86.975277	434.58	15.00	449.58
54	37.105524	-86.975851	437.25	15.00	452.25
55	37.105207	-86.975829	438.05	15.00	453.05
56	37.105203	-86.976291	440.06	15.00	455.06
57	37.104873	-86.976285	444.46	15.00	459.46
58	37.104860	-86.976779	443.47	15.00	458.47
59	37.104514	-86.976763	450.05	15.00	465.05



Name: Main 2a
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0°
Max tracking angle: 60.0°
Resting angle: 0.0°
Ground Coverage Ratio: 0.45
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.085640	-86.971820	522.69	15.00	537.69
2	37.085653	-86.971413	505.82	15.00	520.82
3	37.086021	-86.971442	501.48	15.00	516.48
4	37.086042	-86.971168	508.03	15.00	523.03
5	37.086342	-86.971201	505.73	15.00	520.73
6	37.086607	-86.971120	508.57	15.00	523.57
7	37.086616	-86.970739	517.94	15.00	532.94
8	37.086971	-86.970755	512.88	15.00	527.88
9	37.086984	-86.970530	517.34	15.00	532.34
10	37.087373	-86.970546	509.02	15.00	524.02
11	37.087386	-86.970246	514.56	15.00	529.56
12	37.087651	-86.970262	512.43	15.00	527.43
13	37.087647	-86.970181	512.69	15.00	527.69
14	37.087395	-86.970165	518.03	15.00	533.03
15	37.087403	-86.969892	523.39	15.00	538.39
16	37.087664	-86.969908	515.38	15.00	530.38
17	37.087669	-86.969763	517.05	15.00	532.05
18	37.087399	-86.969591	524.92	15.00	539.92
19	37.086453	-86.969565	547.42	15.00	562.42
20	37.086462	-86.968926	554.43	15.00	569.43
21	37.085422	-86.968213	537.78	15.00	552.78
22	37.085422	-86.969149	563.50	15.00	578.50
23	37.085422	-86.969149	563.50	15.00	578.50
24	37.085672	-86.969153	560.03	15.00	575.03
25	37.085672	-86.969153	560.03	15.00	575.03
26	37.085653	-86.970503	543.24	15.00	558.24
27	37.085285	-86.970503	547.01	15.00	562.01
28	37.085255	-86.972156	541.62	15.00	556.62
29	37.085632	-86.972161	531.44	15.00	546.44

Name: Main 2c1

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

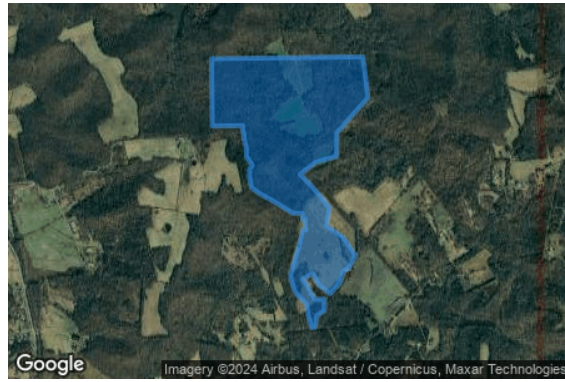
Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

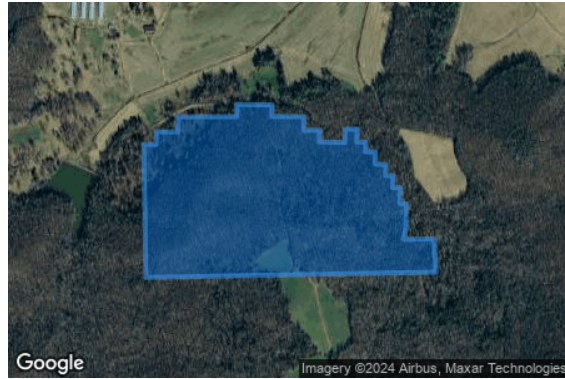
Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.098667	-86.980432	654.26	15.00	669.26
2	37.094985	-86.980392	696.91	15.00	711.91
3	37.094996	-86.978302	664.31	15.00	679.31
4	37.094654	-86.978286	666.41	15.00	681.41
5	37.094602	-86.978214	668.23	15.00	683.23
6	37.094258	-86.978192	681.46	15.00	696.46
7	37.093740	-86.978042	690.73	15.00	705.73
8	37.093306	-86.978037	691.46	15.00	706.46
9	37.092961	-86.977742	687.83	15.00	702.83
10	37.092812	-86.977640	684.60	15.00	699.60
11	37.092651	-86.977828	683.99	15.00	698.99
12	37.092217	-86.977830	678.55	15.00	693.55
13	37.091613	-86.977691	669.71	15.00	684.71
14	37.091307	-86.977154	657.79	15.00	672.79
15	37.090901	-86.976234	635.51	15.00	650.51
16	37.090683	-86.975768	629.83	15.00	644.83
17	37.090231	-86.974888	597.55	15.00	612.55
18	37.090206	-86.974201	570.79	15.00	585.79
19	37.089893	-86.974190	557.77	15.00	572.77
20	37.089900	-86.973997	555.20	15.00	570.20
21	37.089309	-86.973992	551.00	15.00	566.00
22	37.089307	-86.974164	553.04	15.00	568.04
23	37.088605	-86.974368	556.81	15.00	571.81
24	37.086936	-86.974992	541.42	15.00	556.42
25	37.086639	-86.974984	534.08	15.00	549.08
26	37.085965	-86.974722	520.01	15.00	535.01
27	37.085676	-86.974429	517.41	15.00	532.41
28	37.085261	-86.973901	511.89	15.00	526.89
29	37.084638	-86.973794	508.02	15.00	523.02
30	37.083981	-86.973557	493.50	15.00	508.50
31	37.083986	-86.973321	495.60	15.00	510.60
32	37.084617	-86.973206	514.37	15.00	529.37
33	37.084919	-86.972675	529.13	15.00	544.13
34	37.085520	-86.972672	521.68	15.00	536.68
35	37.085522	-86.973335	513.68	15.00	528.68
36	37.086617	-86.974107	531.59	15.00	546.59
37	37.086926	-86.973493	538.70	15.00	553.70
38	37.086294	-86.973059	517.37	15.00	532.37
39	37.085830	-86.972278	518.52	15.00	533.52
40	37.086438	-86.971608	511.08	15.00	526.08
41	37.087005	-86.971393	511.93	15.00	526.93
42	37.087236	-86.970991	511.61	15.00	526.61
43	37.087908	-86.970532	513.54	15.00	528.54
44	37.088881	-86.971345	522.68	15.00	537.68
45	37.089547	-86.972535	533.06	15.00	548.06
46	37.089547	-86.972535	533.06	15.00	548.06
47	37.089547	-86.972535	533.06	15.00	548.06
48	37.090547	-86.972319	551.12	15.00	566.12
49	37.091750	-86.973591	586.26	15.00	601.26
50	37.092345	-86.974342	600.55	15.00	615.55
51	37.092999	-86.973290	547.20	15.00	562.20
52	37.093329	-86.971842	556.43	15.00	571.43
53	37.094621	-86.971810	548.23	15.00	563.23
54	37.096546	-86.969675	566.58	15.00	581.58
55	37.098771	-86.970034	497.02	15.00	512.02

Name: Main 2c2
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0°
Max tracking angle: 60.0°
Resting angle: 0.0°
Ground Coverage Ratio: 0.45
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.098753	-86.980438	653.91	15.00	668.91
2	37.102390	-86.980513	498.33	15.00	513.33
3	37.102386	-86.980089	500.65	15.00	515.65
4	37.102735	-86.980084	484.72	15.00	499.72
5	37.102730	-86.979338	503.14	15.00	518.14
6	37.103143	-86.979322	482.17	15.00	497.17
7	37.103147	-86.977318	508.22	15.00	523.22
8	37.103479	-86.977313	486.22	15.00	501.22
9	37.103466	-86.976103	483.51	15.00	498.51
10	37.103154	-86.976109	500.04	15.00	515.04
11	37.103145	-86.975009	482.06	15.00	497.06
12	37.102775	-86.975014	496.49	15.00	511.49
13	37.102773	-86.974464	481.19	15.00	496.19
14	37.102454	-86.974470	506.14	15.00	521.14
15	37.102439	-86.973598	510.86	15.00	525.86
16	37.102803	-86.973587	492.68	15.00	507.68
17	37.102803	-86.973180	487.31	15.00	502.31
18	37.102448	-86.973185	498.72	15.00	513.72
19	37.102452	-86.972885	491.13	15.00	506.13
20	37.102187	-86.972893	499.93	15.00	514.93
21	37.102185	-86.972552	492.64	15.00	507.64
22	37.101849	-86.972554	502.98	15.00	517.98
23	37.101843	-86.972183	493.65	15.00	508.65
24	37.101541	-86.972205	504.09	15.00	519.09
25	37.101535	-86.971939	496.05	15.00	511.05
26	37.101207	-86.971961	504.91	15.00	519.91
27	37.101203	-86.971698	493.62	15.00	508.62
28	37.100769	-86.971711	492.77	15.00	507.77
29	37.100769	-86.971491	485.72	15.00	500.72
30	37.100146	-86.971499	497.07	15.00	512.07
31	37.099797	-86.971572	514.11	15.00	529.11
32	37.099806	-86.970528	500.21	15.00	515.21
33	37.098899	-86.970467	503.59	15.00	518.59

Name: Main 3a

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

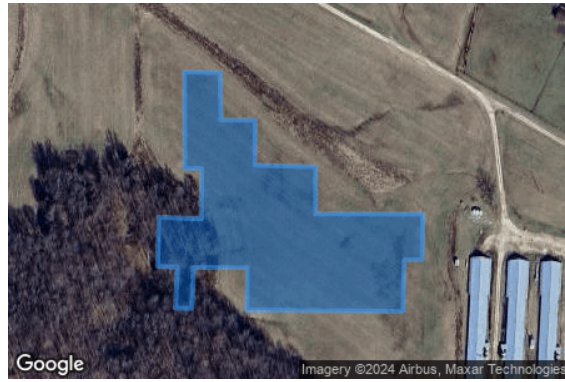
Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.108489	-86.985371	477.66	15.00	492.66
2	37.107830	-86.985368	486.06	15.00	501.06
3	37.107828	-86.985223	490.37	15.00	505.37
4	37.107485	-86.985226	496.90	15.00	511.90
5	37.107496	-86.985591	495.10	15.00	510.10
6	37.107160	-86.985601	500.69	15.00	515.69
7	37.107156	-86.985432	505.33	15.00	520.33
8	37.106876	-86.985449	519.06	15.00	534.06
9	37.106874	-86.985306	520.69	15.00	535.69
10	37.107152	-86.985293	505.64	15.00	520.64
11	37.107152	-86.984829	508.47	15.00	523.47
12	37.106863	-86.984834	505.47	15.00	520.47
13	37.106852	-86.983493	507.25	15.00	522.25
14	37.107205	-86.983483	499.27	15.00	514.27
15	37.107207	-86.983330	498.99	15.00	513.99
16	37.107517	-86.983324	494.25	15.00	509.25
17	37.107520	-86.984244	502.83	15.00	517.83
18	37.107840	-86.984244	487.44	15.00	502.44
19	37.107851	-86.984767	493.55	15.00	508.55
20	37.108159	-86.984762	482.50	15.00	497.50
21	37.108159	-86.985057	484.44	15.00	499.44
22	37.108484	-86.985065	477.65	15.00	492.65

Name: Main 3b1

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.108809	-86.986607	471.01	15.00	486.01
2	37.108807	-86.985933	472.42	15.00	487.42
3	37.107849	-86.985911	487.96	15.00	502.96
4	37.107847	-86.985957	488.95	15.00	503.95
5	37.107168	-86.985937	502.04	15.00	517.04
6	37.107165	-86.985986	503.39	15.00	518.39
7	37.106856	-86.985974	517.95	15.00	532.95
8	37.106861	-86.986556	522.40	15.00	537.40
9	37.107437	-86.986548	501.39	15.00	516.39
10	37.107439	-86.986621	501.01	15.00	516.01
11	37.107822	-86.986615	493.49	15.00	508.49
12	37.107824	-86.986699	493.37	15.00	508.37
13	37.108474	-86.986685	475.00	15.00	490.00
14	37.108474	-86.986597	475.64	15.00	490.64

Name: Main 3b2

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

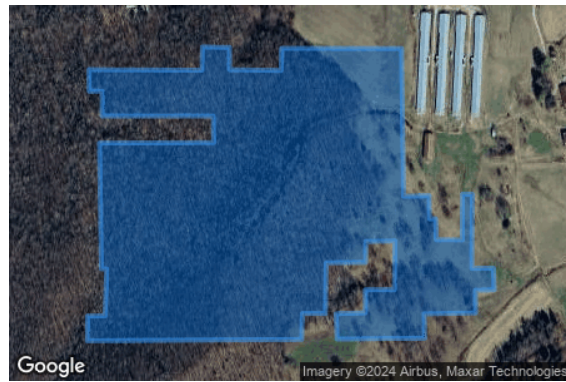
Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.106446	-86.988618	522.56	15.00	537.56
2	37.106438	-86.986678	541.25	15.00	556.25
3	37.106757	-86.986668	527.08	15.00	542.08
4	37.106750	-86.986204	526.20	15.00	541.20
5	37.106446	-86.986204	543.78	15.00	558.78
6	37.106434	-86.985316	550.19	15.00	565.19
7	37.106737	-86.985308	529.45	15.00	544.45
8	37.106735	-86.983248	505.51	15.00	520.51
9	37.104716	-86.983213	509.35	15.00	524.35
10	37.104724	-86.982773	493.81	15.00	508.81
11	37.104410	-86.982768	495.91	15.00	510.91
12	37.104410	-86.982663	493.65	15.00	508.65
13	37.104123	-86.982650	492.66	15.00	507.66
14	37.104121	-86.982204	480.10	15.00	495.10
15	37.104746	-86.982202	486.14	15.00	501.14
16	37.104744	-86.982033	484.68	15.00	499.68
17	37.103732	-86.982041	477.07	15.00	492.07
18	37.103736	-86.981671	470.65	15.00	485.65
19	37.103441	-86.981655	468.50	15.00	483.50
20	37.103432	-86.981979	475.40	15.00	490.40
21	37.103124	-86.981976	472.41	15.00	487.41
22	37.103112	-86.982859	493.29	15.00	508.29
23	37.102780	-86.982851	487.46	15.00	502.46
24	37.102767	-86.984356	545.08	15.00	560.08
25	37.103114	-86.984372	555.32	15.00	570.32
26	37.103126	-86.983870	529.38	15.00	544.38
27	37.103441	-86.983867	518.80	15.00	533.80
28	37.103441	-86.983371	504.99	15.00	519.99
29	37.104106	-86.983363	505.72	15.00	520.72
30	37.104100	-86.983862	515.71	15.00	530.71
31	37.103815	-86.983867	513.27	15.00	528.27
32	37.103809	-86.984543	568.58	15.00	583.58
33	37.103116	-86.984557	564.42	15.00	579.42
34	37.103116	-86.984954	586.43	15.00	601.43
35	37.102763	-86.984962	567.13	15.00	582.13
36	37.102744	-86.988647	624.06	15.00	639.06
37	37.103082	-86.988642	598.07	15.00	613.07
38	37.103084	-86.988341	588.40	15.00	603.40
39	37.103723	-86.988315	564.33	15.00	579.33
40	37.103728	-86.988406	564.46	15.00	579.46
41	37.105443	-86.988438	520.49	15.00	535.49
42	37.105452	-86.986477	570.85	15.00	585.85
43	37.105813	-86.986483	560.91	15.00	575.91
44	37.105813	-86.988392	518.18	15.00	533.18
45	37.106149	-86.988390	529.83	15.00	544.83
46	37.106153	-86.988615	517.55	15.00	532.55

Name: Main 3b3

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.106665	-86.993892	535.79	15.00	550.79
2	37.106650	-86.992235	552.05	15.00	567.05
3	37.107116	-86.992221	543.18	15.00	558.18
4	37.107115	-86.991034	491.10	15.00	506.10
5	37.106827	-86.991036	501.07	15.00	516.07
6	37.106827	-86.991260	510.56	15.00	525.56
7	37.106369	-86.991265	511.79	15.00	526.79
8	37.106368	-86.991319	514.43	15.00	529.43
9	37.105711	-86.991316	512.91	15.00	527.91
10	37.105708	-86.991371	514.66	15.00	529.66
11	37.105409	-86.991370	513.03	15.00	528.03
12	37.105408	-86.991610	526.57	15.00	541.57
13	37.105057	-86.991615	532.96	15.00	547.96
14	37.105055	-86.991667	533.67	15.00	548.67
15	37.104766	-86.991673	542.33	15.00	557.33
16	37.104748	-86.994254	562.89	15.00	577.89
17	37.105041	-86.994244	561.14	15.00	576.14
18	37.105043	-86.994139	561.15	15.00	576.15
19	37.105675	-86.994127	569.18	15.00	584.18
20	37.105674	-86.993959	569.58	15.00	584.58
21	37.106345	-86.993947	551.31	15.00	566.31
22	37.106344	-86.993895	550.95	15.00	565.95

Name: Main 3b4

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

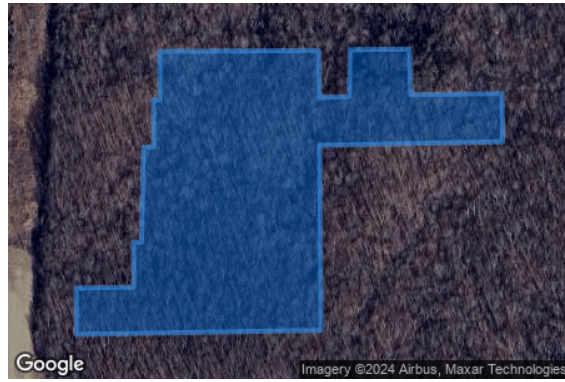
Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.104624	-86.994297	563.46	15.00	578.46
2	37.104631	-86.992931	549.09	15.00	564.09
3	37.104309	-86.992921	566.39	15.00	581.39
4	37.104316	-86.992667	577.02	15.00	592.02
5	37.104635	-86.992662	552.34	15.00	567.34
6	37.104640	-86.992151	555.41	15.00	570.41
7	37.104328	-86.992140	566.79	15.00	581.79
8	37.104337	-86.991356	544.52	15.00	559.52
9	37.104006	-86.991349	554.28	15.00	569.28
10	37.103982	-86.992921	573.04	15.00	588.04
11	37.102719	-86.992909	629.75	15.00	644.75
12	37.102691	-86.995012	613.54	15.00	628.54
13	37.103009	-86.995013	604.32	15.00	619.32
14	37.103014	-86.994518	632.41	15.00	647.41
15	37.103322	-86.994521	607.89	15.00	622.89
16	37.103321	-86.994451	607.13	15.00	622.13
17	37.103971	-86.994435	576.51	15.00	591.51
18	37.103973	-86.994346	576.64	15.00	591.64
19	37.104293	-86.994351	569.73	15.00	584.73
20	37.104293	-86.994296	570.61	15.00	585.61

Name: Main 3b5

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.106703	-86.990834	495.29	15.00	510.29
2	37.106694	-86.989804	491.77	15.00	506.77
3	37.106384	-86.989801	491.73	15.00	506.73
4	37.106386	-86.989182	489.19	15.00	504.19
5	37.106070	-86.989176	489.98	15.00	504.98
6	37.106072	-86.989066	490.09	15.00	505.09
7	37.105738	-86.989066	495.85	15.00	510.85
8	37.105738	-86.988991	493.47	15.00	508.47
9	37.105111	-86.988994	520.40	15.00	535.40
10	37.105111	-86.988871	523.39	15.00	538.39
11	37.104677	-86.988871	532.77	15.00	547.77
12	37.104675	-86.988616	533.96	15.00	548.96
13	37.104348	-86.988608	547.27	15.00	562.27
14	37.104345	-86.988734	547.67	15.00	562.67
15	37.104046	-86.988726	566.22	15.00	581.22
16	37.104048	-86.988640	561.83	15.00	576.83
17	37.103719	-86.988645	576.37	15.00	591.37
18	37.103719	-86.988728	583.18	15.00	598.18
19	37.103372	-86.988720	595.87	15.00	610.87
20	37.103364	-86.988905	607.73	15.00	622.73
21	37.103055	-86.988895	598.09	15.00	613.09
22	37.103051	-86.989021	606.83	15.00	621.83
23	37.102735	-86.989023	615.66	15.00	630.66
24	37.102720	-86.990936	622.39	15.00	637.39
25	37.103034	-86.990936	610.17	15.00	625.17
26	37.103034	-86.991330	608.91	15.00	623.91
27	37.102713	-86.991336	615.04	15.00	630.04
28	37.102720	-86.992816	628.46	15.00	643.46
29	37.103340	-86.992821	602.59	15.00	617.59
30	37.103338	-86.992588	599.27	15.00	614.27
31	37.103665	-86.992593	585.08	15.00	600.08
32	37.103682	-86.991185	580.02	15.00	595.02
33	37.104656	-86.991199	541.67	15.00	556.67
34	37.104660	-86.990963	547.76	15.00	562.76
35	37.105727	-86.990968	506.98	15.00	521.98
36	37.105727	-86.990906	506.42	15.00	521.42
37	37.106388	-86.990922	496.49	15.00	511.49
38	37.106390	-86.990829	496.19	15.00	511.19

Name: Main 3b6

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

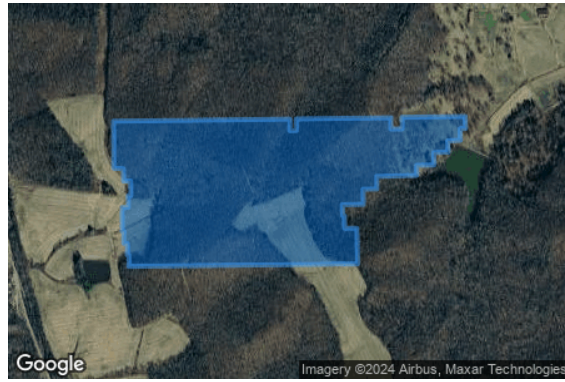
Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.102570	-86.995066	604.56	15.00	619.56
2	37.102626	-86.989010	620.20	15.00	635.20
3	37.102309	-86.989007	640.62	15.00	655.62
4	37.102313	-86.988785	646.36	15.00	661.36
5	37.102632	-86.988785	625.08	15.00	640.08
6	37.102666	-86.985542	612.62	15.00	627.62
7	37.102356	-86.985539	609.70	15.00	624.70
8	37.102358	-86.985150	587.12	15.00	602.12
9	37.102677	-86.985150	584.73	15.00	599.73
10	37.102700	-86.982986	494.62	15.00	509.62
11	37.102369	-86.982972	493.06	15.00	508.06
12	37.102362	-86.983157	500.97	15.00	515.97
13	37.102048	-86.983144	496.08	15.00	511.08
14	37.102035	-86.983581	517.75	15.00	532.75
15	37.101723	-86.983571	514.16	15.00	529.16
16	37.101710	-86.984061	518.56	15.00	533.56
17	37.101374	-86.984051	515.11	15.00	530.11
18	37.101366	-86.984651	514.14	15.00	529.14
19	37.101090	-86.984649	503.53	15.00	518.53
20	37.101061	-86.986022	602.48	15.00	617.48
21	37.100716	-86.986021	598.69	15.00	613.69
22	37.100712	-86.986494	627.83	15.00	642.83
23	37.100299	-86.986481	612.38	15.00	627.38
24	37.100292	-86.987206	647.03	15.00	662.03
25	37.099988	-86.987196	637.22	15.00	652.22
26	37.099986	-86.987134	632.28	15.00	647.28
27	37.099646	-86.987128	647.85	15.00	662.85
28	37.099643	-86.986705	641.94	15.00	656.94
29	37.098672	-86.986678	677.60	15.00	692.60
30	37.098605	-86.994539	556.69	15.00	571.69
31	37.098912	-86.994540	531.02	15.00	546.02
32	37.098913	-86.994590	529.39	15.00	544.39
33	37.099233	-86.994591	523.16	15.00	538.16
34	37.099236	-86.994717	520.87	15.00	535.87
35	37.099564	-86.994711	518.11	15.00	533.11
36	37.099565	-86.994771	517.87	15.00	532.87
37	37.100211	-86.994766	526.82	15.00	541.82
38	37.100213	-86.994557	530.80	15.00	545.80
39	37.100536	-86.994559	534.72	15.00	549.72
40	37.100538	-86.994471	537.60	15.00	552.60
41	37.100936	-86.994479	549.38	15.00	564.38
42	37.100936	-86.994723	545.80	15.00	560.80
43	37.101272	-86.994728	579.08	15.00	594.08
44	37.101285	-86.995058	550.09	15.00	565.09

Name: Main 3b7

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

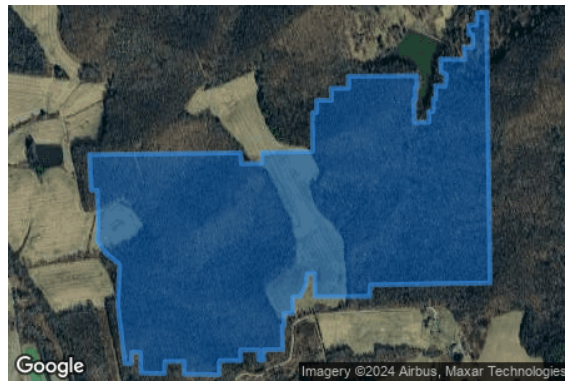
Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.098494	-86.994264	575.29	15.00	590.29
2	37.098542	-86.989069	662.47	15.00	677.47
3	37.098244	-86.989045	680.03	15.00	695.03
4	37.098255	-86.988326	660.65	15.00	675.65
5	37.098554	-86.988336	658.94	15.00	673.94
6	37.098576	-86.986596	675.25	15.00	690.25
7	37.099641	-86.986604	641.35	15.00	656.35
8	37.099643	-86.986459	641.35	15.00	656.35
9	37.099979	-86.986462	622.88	15.00	637.88
10	37.099977	-86.985947	620.81	15.00	635.81
11	37.100306	-86.985957	596.35	15.00	611.35
12	37.100306	-86.985356	601.32	15.00	616.32
13	37.100632	-86.985365	579.94	15.00	594.94
14	37.100649	-86.983018	542.55	15.00	557.55
15	37.100326	-86.983007	547.39	15.00	562.39
16	37.100321	-86.983069	550.80	15.00	565.80
17	37.099998	-86.983055	552.98	15.00	567.98
18	37.099996	-86.983122	556.42	15.00	571.42
19	37.099376	-86.983098	556.12	15.00	571.12
20	37.099382	-86.982596	552.04	15.00	567.04
21	37.099673	-86.982599	553.19	15.00	568.19
22	37.099673	-86.982446	562.85	15.00	577.85
23	37.100018	-86.982452	549.31	15.00	564.31
24	37.100020	-86.982363	558.76	15.00	573.76
25	37.100375	-86.982368	545.76	15.00	560.76
26	37.100360	-86.982041	560.50	15.00	575.50
27	37.100672	-86.982001	538.94	15.00	553.94
28	37.100760	-86.982189	531.24	15.00	546.24
29	37.101102	-86.982194	521.81	15.00	536.81
30	37.101094	-86.981371	514.73	15.00	529.73
31	37.101427	-86.981392	503.90	15.00	518.90
32	37.101423	-86.981097	508.38	15.00	523.38
33	37.101765	-86.981092	502.01	15.00	517.01
34	37.101765	-86.981231	499.37	15.00	514.37
35	37.102026	-86.981237	487.46	15.00	502.46
36	37.102035	-86.980963	502.31	15.00	517.31
37	37.102373	-86.980947	490.23	15.00	505.23
38	37.102382	-86.980614	497.06	15.00	512.06
39	37.094988	-86.980494	688.30	15.00	703.30
40	37.094932	-86.984624	651.03	15.00	666.03
41	37.094622	-86.984624	659.34	15.00	674.34
42	37.094614	-86.986518	678.57	15.00	693.57
43	37.095243	-86.986529	660.12	15.00	675.12
44	37.095240	-86.986781	656.06	15.00	671.06
45	37.094915	-86.986840	669.62	15.00	684.62
46	37.094611	-86.987019	679.18	15.00	694.18
47	37.094609	-86.987270	682.01	15.00	697.01
48	37.094158	-86.987285	680.63	15.00	695.63
49	37.094149	-86.987588	683.30	15.00	698.30
50	37.093826	-86.987577	682.79	15.00	697.79
51	37.093822	-86.987636	683.21	15.00	698.21
52	37.093169	-86.987620	666.34	15.00	681.34
53	37.093161	-86.988280	673.28	15.00	688.28
54	37.092883	-86.988272	661.20	15.00	676.20
55	37.092879	-86.988454	660.98	15.00	675.98
56	37.093159	-86.988460	673.82	15.00	688.82
57	37.093157	-86.989066	650.67	15.00	665.67
58	37.092868	-86.989063	651.02	15.00	666.02
59	37.092866	-86.989798	645.10	15.00	660.10





Name: South

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.085612	-86.970225	551.30	15.00	566.30
2	37.085625	-86.969595	559.51	15.00	574.51
3	37.085340	-86.969584	561.50	15.00	576.50
4	37.085345	-86.969227	564.69	15.00	579.69
5	37.085049	-86.969219	568.23	15.00	583.23
6	37.085052	-86.968886	562.80	15.00	577.80
7	37.084645	-86.968873	569.56	15.00	584.56
8	37.084645	-86.969495	568.04	15.00	583.04
9	37.084048	-86.969477	571.06	15.00	586.06
10	37.084033	-86.970236	554.40	15.00	569.40
11	37.083691	-86.970230	553.13	15.00	568.13
12	37.083682	-86.970761	546.63	15.00	561.63
13	37.083342	-86.970764	544.74	15.00	559.74
14	37.083331	-86.971284	537.38	15.00	552.38
15	37.083680	-86.971284	538.01	15.00	553.01
16	37.083682	-86.972062	518.10	15.00	533.10
17	37.083338	-86.972051	511.94	15.00	526.94
18	37.083348	-86.973149	490.52	15.00	505.52
19	37.083627	-86.973165	488.64	15.00	503.64
20	37.083616	-86.972848	494.33	15.00	509.33
21	37.083962	-86.972851	500.72	15.00	515.72
22	37.083962	-86.972768	503.03	15.00	518.03
23	37.084268	-86.972765	517.73	15.00	532.73
24	37.084273	-86.972526	525.92	15.00	540.92
25	37.084654	-86.972529	530.14	15.00	545.14
26	37.084656	-86.972373	535.55	15.00	550.55
27	37.084966	-86.972376	535.92	15.00	550.92
28	37.084968	-86.972070	540.85	15.00	555.85
29	37.084646	-86.972072	540.15	15.00	555.15
30	37.084656	-86.971148	556.48	15.00	571.48
31	37.084335	-86.971134	551.05	15.00	566.05
32	37.084339	-86.970956	552.76	15.00	567.76
33	37.084010	-86.970944	550.06	15.00	565.06
34	37.084018	-86.970566	547.68	15.00	562.68
35	37.084348	-86.970579	555.46	15.00	570.46
36	37.084352	-86.970297	557.28	15.00	572.28
37	37.084649	-86.970305	556.55	15.00	571.55
38	37.084662	-86.970005	559.24	15.00	574.24
39	37.084975	-86.970016	552.34	15.00	567.34
40	37.085184	-86.970217	550.73	15.00	565.73

Name: West Bottom

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0°

Max tracking angle: 60.0°

Resting angle: 0.0°

Ground Coverage Ratio: 0.45

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.097996	-86.997289	494.24	15.00	509.24
2	37.098005	-86.996181	505.63	15.00	520.63
3	37.097709	-86.996105	511.67	15.00	526.67
4	37.097372	-86.996096	519.36	15.00	534.36
5	37.097370	-86.995500	523.05	15.00	538.05
6	37.097712	-86.995492	523.60	15.00	538.60
7	37.097713	-86.995179	526.55	15.00	541.55
8	37.097047	-86.995021	533.57	15.00	548.57
9	37.096738	-86.994895	529.10	15.00	544.10
10	37.096315	-86.994893	514.29	15.00	529.29
11	37.096313	-86.994745	514.92	15.00	529.92
12	37.095460	-86.994741	501.88	15.00	516.88
13	37.093166	-86.993948	536.54	15.00	551.54
14	37.092832	-86.993948	533.29	15.00	548.29
15	37.092838	-86.994345	525.48	15.00	540.48
16	37.094133	-86.995027	512.51	15.00	527.51
17	37.095081	-86.995791	503.41	15.00	518.41
18	37.095421	-86.995799	496.68	15.00	511.68
19	37.095421	-86.995716	497.55	15.00	512.55
20	37.096396	-86.995716	513.60	15.00	528.60
21	37.096394	-86.996735	508.79	15.00	523.79
22	37.097673	-86.997298	503.15	15.00	518.15

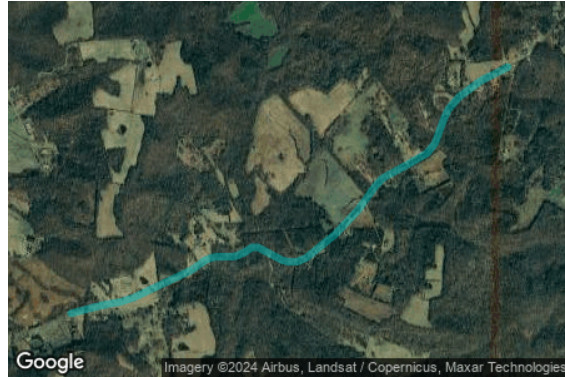
Name: West top
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0°
Max tracking angle: 60.0°
Resting angle: 0.0°
Ground Coverage Ratio: 0.45
Rated power: -
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.100422	-86.997928	512.53	15.00	527.53
2	37.100392	-86.996260	524.98	15.00	539.98
3	37.100071	-86.996260	521.81	15.00	536.81
4	37.100067	-86.995847	520.23	15.00	535.23
5	37.099724	-86.995863	514.28	15.00	529.28
6	37.099716	-86.996517	518.89	15.00	533.89
7	37.099433	-86.996528	504.63	15.00	519.63
8	37.099429	-86.997225	509.33	15.00	524.33
9	37.099087	-86.997236	492.59	15.00	507.59
10	37.099087	-86.997445	493.68	15.00	508.68
11	37.098783	-86.997456	485.48	15.00	500.48
12	37.098783	-86.997644	483.09	15.00	498.09
13	37.099095	-86.997628	491.79	15.00	506.79
14	37.100024	-86.997939	514.93	15.00	529.93

Route Receptors

Name: Forgy Mill Rd
Path type: Two-way
Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.079370	-86.987004	557.34	5.00	562.34
2	37.079798	-86.984954	532.84	5.00	537.84
3	37.080012	-86.983538	531.80	5.00	536.80
4	37.080226	-86.982701	535.24	5.00	540.24
5	37.081749	-86.978678	497.08	5.00	502.08
6	37.082263	-86.977798	488.50	5.00	493.50
7	37.082408	-86.977358	491.35	5.00	496.35
8	37.082459	-86.977027	508.67	5.00	513.67
9	37.082467	-86.975911	533.52	5.00	538.52
10	37.082518	-86.975578	534.34	5.00	539.34
11	37.082724	-86.975031	526.64	5.00	531.64
12	37.082981	-86.974548	508.77	5.00	513.77
13	37.082972	-86.974141	495.30	5.00	500.30
14	37.082279	-86.972499	491.30	5.00	496.30
15	37.082176	-86.972025	500.98	5.00	505.98
16	37.082202	-86.971446	519.33	5.00	524.33
17	37.082390	-86.970866	530.40	5.00	535.40
18	37.083682	-86.968849	570.72	5.00	575.72
19	37.085009	-86.967278	531.32	5.00	536.32
20	37.086301	-86.966109	512.46	5.00	517.46
21	37.086755	-86.965590	522.83	5.00	527.83
22	37.087457	-86.963959	498.75	5.00	503.75
23	37.088124	-86.962521	543.86	5.00	548.86
24	37.088655	-86.961985	549.83	5.00	554.83
25	37.090058	-86.961343	549.63	5.00	554.63
26	37.090520	-86.961064	545.76	5.00	550.76
27	37.091170	-86.960355	529.28	5.00	534.28
28	37.092043	-86.958896	543.80	5.00	548.80
29	37.092830	-86.956987	556.89	5.00	561.89

Name: Free Ln
Path type: Two-way
Observer view angle: 50.0°



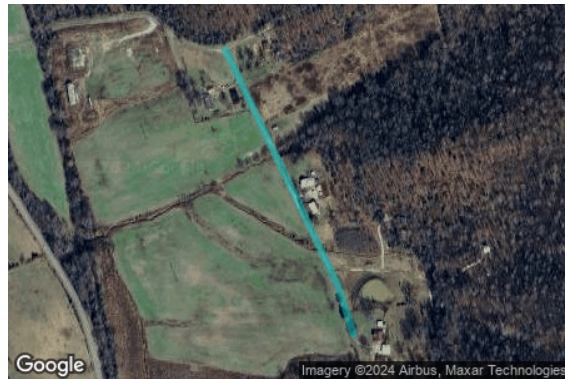
Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.114983	-86.989032	412.74	5.00	417.74
2	37.114547	-86.989022	413.71	5.00	418.71
3	37.113794	-86.988952	431.60	5.00	436.60
4	37.113366	-86.988931	446.28	5.00	451.28
5	37.110209	-86.988024	477.02	5.00	482.02

Name: Mason-Poyner Rd
Path type: Two-way
Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.091323	-86.995998	505.66	5.00	510.66
2	37.091786	-86.994121	517.30	5.00	522.30
3	37.091922	-86.992790	540.15	5.00	545.15
4	37.091777	-86.992426	559.79	5.00	564.79
5	37.091589	-86.992072	567.51	5.00	572.51
6	37.091495	-86.991782	565.82	5.00	570.82
7	37.091460	-86.991385	564.89	5.00	569.89
8	37.091589	-86.991042	567.44	5.00	572.44
9	37.092350	-86.989175	632.00	5.00	637.00
10	37.092462	-86.988907	638.24	5.00	643.24
11	37.092453	-86.988724	639.65	5.00	644.65
12	37.092436	-86.988434	639.56	5.00	644.56
13	37.092487	-86.988263	641.32	5.00	646.32
14	37.092676	-86.987952	643.89	5.00	648.89
15	37.092804	-86.987469	646.00	5.00	651.00
16	37.092898	-86.987329	650.35	5.00	655.35
17	37.093805	-86.987179	679.46	5.00	684.46
18	37.093976	-86.986965	680.17	5.00	685.17
19	37.094053	-86.986707	681.66	5.00	686.66
20	37.094310	-86.982641	688.31	5.00	693.31

Name: Pendley Mill Rd
Path type: Two-way
Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.091452	-86.991363	563.75	5.00	568.75
2	37.088234	-86.989432	548.12	5.00	553.12
3	37.087870	-86.989282	561.20	5.00	566.20
4	37.087571	-86.989164	566.47	5.00	571.47

Name: SR-949
Path type: Two-way
Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.115047	-86.990302	411.51	5.00	416.51
2	37.115009	-86.989325	413.01	5.00	418.01
3	37.114966	-86.988515	416.24	5.00	421.24
4	37.114692	-86.984000	483.86	5.00	488.86
5	37.115120	-86.980379	479.87	5.00	484.87
6	37.115150	-86.979357	482.67	0.00	482.67
7	37.115103	-86.978260	469.62	5.00	474.62
8	37.114151	-86.967968	431.05	5.00	436.05
9	37.113732	-86.967110	437.36	5.00	442.36
10	37.111799	-86.965962	440.61	5.00	445.61
11	37.109643	-86.964712	456.02	5.00	461.02
12	37.109108	-86.964122	447.02	5.00	452.02
13	37.108150	-86.962502	444.75	0.00	444.75
14	37.107594	-86.961671	448.78	5.00	453.78
15	37.107037	-86.960989	468.10	5.00	473.10
16	37.106721	-86.960702	482.65	0.00	482.65
17	37.106490	-86.960544	492.95	5.00	497.95
18	37.106029	-86.960159	503.67	5.00	508.67

Name: US-431
Path type: Two-way
Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	37.108188	-87.000659	456.43	5.00	461.43
2	37.107697	-87.000509	459.40	5.00	464.40
3	37.107261	-87.000412	461.36	5.00	466.36
4	37.106615	-87.000337	473.51	5.00	478.51
5	37.105614	-87.000166	478.22	5.00	483.22
6	37.104442	-87.000005	481.14	5.00	486.14
7	37.103047	-86.999715	475.53	5.00	480.53
8	37.100694	-86.999114	487.98	5.00	492.98
9	37.097262	-86.998073	498.06	5.00	503.06
10	37.094721	-86.996915	490.82	5.00	495.82
11	37.094395	-86.996850	488.72	5.00	493.72
12	37.093250	-86.996689	493.41	5.00	498.41
13	37.091599	-86.996228	507.82	5.00	512.82
14	37.091256	-86.996099	508.38	5.00	513.38
15	37.090666	-86.995853	510.89	5.00	515.89
16	37.090265	-86.995618	509.51	5.00	514.51
17	37.088416	-86.994223	536.87	5.00	541.87
18	37.087766	-86.993815	546.66	5.00	551.66
19	37.086131	-86.993257	538.86	5.00	543.86
20	37.083255	-86.992485	554.43	5.00	559.43
21	37.082426	-86.992432	571.22	5.00	576.22
22	37.081724	-86.992700	567.14	5.00	572.14
23	37.081022	-86.993258	557.35	5.00	562.35
24	37.078925	-86.995888	553.25	5.00	558.25

Flight Path Receptors

Name: Bowling Green Regional 1

Description:

Threshold height: 50 ft

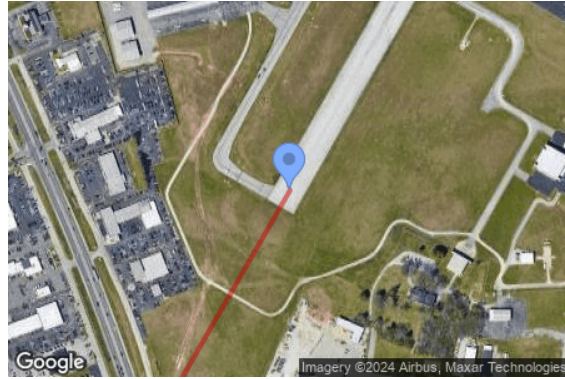
Direction: 30.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
Threshold	36.958920	-86.424886	539.93	50.00	589.93
Two-mile	36.933881	-86.442998	548.55	594.82	1143.36

Name: Bowling Green Regional 2

Description:

Threshold height: 50 ft

Direction: 300.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
Threshold	36.959113	-86.415081	525.34	50.00	575.34
Two-mile	36.944657	-86.383709	571.86	556.90	1128.77

Name: Bowling Green Regional 3

Description:

Threshold height: 50 ft

Direction: 210.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
Threshold	36.973940	-86.414129	516.70	50.00	566.70
Two-mile	36.998979	-86.396012	432.17	687.96	1120.13

Name: Bowling Green Regional 4

Description:

Threshold height: 50 ft

Direction: 120.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
Threshold	36.964024	-86.425708	526.85	50.00	576.85
Two-mile	36.978480	-86.457083	501.00	629.27	1130.28

Name: Muhlenberg County Airport 1

Description:

Threshold height: 50 ft

Direction: 60.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
Threshold	37.222551	-87.163250	416.63	50.00	466.63
Two-mile	37.208095	-87.194731	487.40	532.66	1020.05

Name: Muhlenberg County Airport 2

Description:

Threshold height: 50 ft

Direction: 235.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
Threshold	37.229312	-87.150750	423.08	50.00	473.08
Two-mile	37.245896	-87.120969	507.47	519.03	1026.50

Name: Russellville-Logan Airport 1

Description:

Threshold height: 50 ft

Direction: 63.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
Threshold	36.796952	-86.817505	691.23	50.00	741.23
Two-mile	36.783826	-86.849714	602.54	692.12	1294.66

Name: Russellville-Logan Airport 2

Description:

Threshold height: 50 ft

Direction: 243.5°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
Threshold	36.802236	-86.804338	651.82	50.00	701.82
Two-mile	36.815136	-86.771985	642.27	612.98	1255.25

Discrete Observation Point Receptors

Name	ID	Latitude (°)	Longitude (°)	Elevation (ft)	Height (ft)
OP 1	1	37.107447	-86.987901	504.79	6.00
OP 2	2	37.110356	-86.988545	470.35	6.00
OP 3	3	37.111392	-86.988681	471.65	6.00
OP 4	4	37.112094	-86.988842	467.91	6.00
OP 5	5	37.113206	-86.989153	447.12	6.00
OP 6	6	37.113805	-86.990011	436.14	6.00
OP 7	7	37.114555	-86.985351	463.45	6.00
OP 8	8	37.114653	-86.981012	483.58	6.00
OP 9	9	37.114820	-86.980695	489.12	6.00
OP 10	10	37.114602	-86.979107	476.01	6.00
OP 11	11	37.113845	-86.975476	442.91	6.00
OP 12	12	37.112681	-86.967729	458.54	6.00
OP 13	13	37.087489	-86.967100	558.23	6.00
OP 14	14	37.084892	-86.967143	532.03	6.00
OP 15	15	37.082717	-86.969660	541.34	6.00
OP 16	16	37.082328	-86.970529	536.06	6.00
OP 17	17	37.085001	-86.977696	549.70	6.00
OP 18	18	37.083178	-86.976344	546.07	6.00
OP 19	19	37.093942	-86.982539	691.61	6.00
OP 20	20	37.091503	-86.990644	573.39	6.00
OP 21	21	37.090823	-86.991202	551.63	6.00
OP 22	22	37.089633	-86.989936	557.96	6.00
OP 23	23	37.089300	-86.989829	555.74	6.00
OP 24	24	37.087545	-86.988729	580.01	6.00
OP 25	25	37.097710	-86.998584	494.24	6.00
OP 26	26	37.098848	-86.999034	490.62	6.00
OP 27	27	37.100444	-86.999512	494.02	6.00
OP 28	28	37.098120	-86.998632	489.29	6.00
OP 29	29	37.100915	-86.998901	492.52	6.00
OP 30	30	37.102042	-86.998945	484.58	6.00
OP 31	31	37.102557	-86.999108	493.84	6.00
OP 32	32	37.103559	-86.999417	491.06	6.00
OP 33	33	37.104213	-86.999614	483.45	6.00
OP 34	34	37.114190	-86.986030	451.53	6.00
OP 35	35	37.115394	-86.981388	490.42	6.00
OP 36	36	37.115317	-86.981871	487.80	6.00
OP 37	37	37.115214	-86.982273	499.43	6.00
OP 38	38	37.115219	-86.985009	488.88	6.00
OP 39	39	37.115131	-86.986080	465.81	6.00

Obstruction Components

Name: Double OB1
Top height: 8.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	37.107550	-86.989042	504.46
2	37.106755	-86.988892	507.27
3	37.106840	-86.986757	523.54
4	37.113155	-86.988109	428.27
5	37.113522	-86.983045	455.63
6	37.112342	-86.979150	474.09

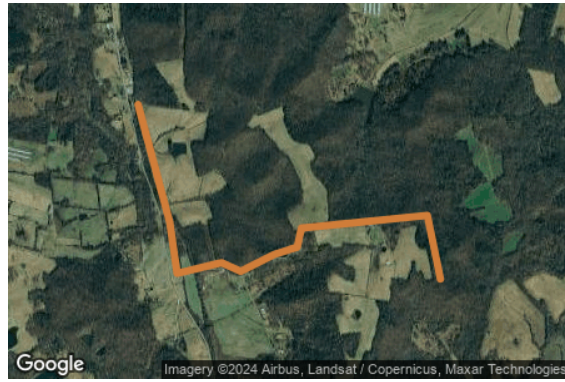
Name: Double OB3
Top height: 8.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	37.111704	-86.975620	455.49
2	37.113853	-86.974101	417.21
3	37.113902	-86.972554	419.23
4	37.110365	-86.970738	414.41
5	37.109826	-86.971349	424.62

Name: Double OB4

Top height: 8.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	37.100879	-86.998531	494.44
2	37.094452	-86.996353	500.79
3	37.091662	-86.995848	501.84
4	37.092244	-86.992801	574.16
5	37.091774	-86.991471	601.54
6	37.092689	-86.989186	645.89
7	37.093092	-86.987598	663.28
8	37.094136	-86.987297	680.12
9	37.094829	-86.978650	676.32
10	37.091354	-86.977749	668.30

Name: Obstruction 1

Top height: 8.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	37.107542	-86.989171	505.29
2	37.106566	-86.988989	502.84
3	37.106575	-86.986843	534.68
4	37.113326	-86.988334	430.50
5	37.113694	-86.983024	458.30
6	37.112444	-86.979022	460.87
7	37.109544	-86.977981	528.67
8	37.109304	-86.977112	506.40
9	37.113745	-86.974001	413.90
10	37.113779	-86.972681	430.37

Name: Obstruction 10
Top height: 8.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	37.086434	-86.975507	518.10
2	37.082908	-86.973501	487.35

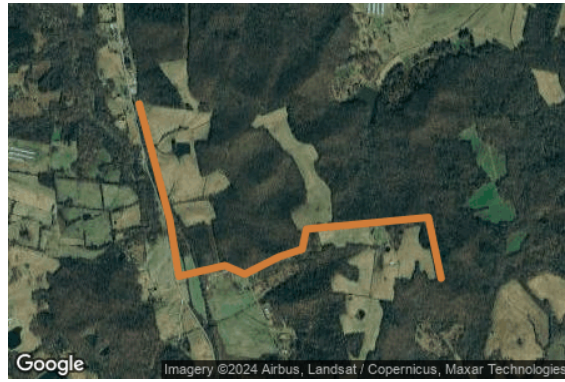
Name: Obstruction 3
Top height: 8.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	37.113749	-86.972654	430.98
2	37.110412	-86.970927	416.46
3	37.109805	-86.971603	421.31
4	37.108735	-86.968835	423.57
5	37.102891	-86.970632	488.47
6	37.102908	-86.972391	468.21
7	37.098827	-86.969484	515.35
8	37.096379	-86.968947	590.48
9	37.094437	-86.971104	538.24
10	37.093247	-86.971200	577.68

Name: Obstruction 4

Top height: 8.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	37.100915	-86.998709	493.33
2	37.094548	-86.996596	496.23
3	37.091501	-86.995984	502.47
4	37.092092	-86.992819	564.00
5	37.091621	-86.991456	590.81
6	37.092580	-86.989064	644.77
7	37.092982	-86.987508	658.33
8	37.094077	-86.987219	680.14
9	37.094719	-86.978839	685.83
10	37.091399	-86.977960	672.65

Name: Obstruction 6

Top height: 8.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	37.100936	-86.998708	493.28
2	37.100396	-86.994738	528.54
3	37.103075	-86.997292	526.99
4	37.103289	-86.995425	557.03
5	37.107558	-86.994309	500.79
6	37.107567	-86.989170	503.79

Name: Obstruction 7

Top height: 8.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	37.091334	-86.977958	672.02
2	37.089734	-86.974386	571.61
3	37.086490	-86.975383	522.43
4	37.082904	-86.973313	486.14
5	37.082570	-86.972379	497.60
6	37.083049	-86.971360	535.96
7	37.082741	-86.970781	538.90
8	37.085797	-86.966833	518.42
9	37.092318	-86.973796	586.10
10	37.093217	-86.971242	577.76

Name: Obstruction 9

Top height: 8.0 ft



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)
1	37.088510	-86.969542	520.57
2	37.085784	-86.966677	519.15
3	37.084072	-86.968860	575.52

Glare Analysis Results

Summary of Results Glare with potential for temporary after-image predicted

PV Array	Tilt °	Orient °	Annual Green Glare		Annual Yellow Glare		Energy kWh
			min	hr	min	hr	
East 1	SA tracking	SA tracking	0	0.0	0	0.0	-
East 2	SA tracking	SA tracking	4,762	79.4	2,545	42.4	-
Main 1a1	SA tracking	SA tracking	1,749	29.1	2,000	33.3	-
Main 1a2	SA tracking	SA tracking	16	0.3	0	0.0	-
Main 1c	SA tracking	SA tracking	151	2.5	0	0.0	-
Main 1d	SA tracking	SA tracking	885	14.8	18	0.3	-
Main 2a	SA tracking	SA tracking	2,861	47.7	0	0.0	-
Main 2c1	SA tracking	SA tracking	52	0.9	0	0.0	-
Main 2c2	SA tracking	SA tracking	0	0.0	0	0.0	-
Main 3a	SA tracking	SA tracking	54	0.9	0	0.0	-
Main 3b1	SA tracking	SA tracking	2,085	34.8	0	0.0	-
Main 3b2	SA tracking	SA tracking	0	0.0	0	0.0	-
Main 3b3	SA tracking	SA tracking	0	0.0	0	0.0	-
Main 3b4	SA tracking	SA tracking	11,060	184.3	86	1.4	-
Main 3b5	SA tracking	SA tracking	3,077	51.3	0	0.0	-
Main 3b6	SA tracking	SA tracking	0	0.0	0	0.0	-
Main 3b7	SA tracking	SA tracking	40,135	668.9	17,482	291.4	-
South	SA tracking	SA tracking	0	0.0	0	0.0	-
West Bottom	SA tracking	SA tracking	0	0.0	0	0.0	-
West top	SA tracking	SA tracking	352	5.9	306	5.1	-

Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Forgy Mill Rd	52	0.9	0	0.0
Free Ln	4,450	74.2	1,251	20.9
Mason-Poyner Rd	15,874	264.6	17,255	287.6
Pendley Mill Rd	0	0.0	0	0.0
SR-949	5,097	85.0	2,493	41.5
US-431	4,723	78.7	313	5.2
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	151	2.5	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 1	719	12.0	0	0.0
OP 2	2,414	40.2	0	0.0
OP 3	4,151	69.2	70	1.2
OP 4	4,950	82.5	256	4.3
OP 5	3,320	55.3	215	3.6
OP 6	2,770	46.2	208	3.5
OP 7	1,377	22.9	0	0.0
OP 8	973	16.2	0	0.0
OP 9	1,306	21.8	0	0.0
OP 10	1,077	17.9	0	0.0
OP 11	141	2.4	0	0.0
OP 12	1,092	18.2	70	1.2
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	852	14.2	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	338	5.6	0	0.0
OP 26	458	7.6	306	5.1
OP 27	0	0.0	0	0.0
OP 28	244	4.1	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	213	3.5	0	0.0
OP 34	875	14.6	0	0.0
OP 35	1,387	23.1	0	0.0
OP 36	1,664	27.7	0	0.0
OP 37	2,251	37.5	0	0.0
OP 38	2,439	40.6	0	0.0
OP 39	1,881	31.4	0	0.0

PV: East 1 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
SR-949	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

East 1 and Route: Forgy Mill Rd

No glare found

East 1 and Route: Free Ln

No glare found

East 1 and Route: Mason-Poyner Rd

No glare found

East 1 and Route: Pendley Mill Rd

No glare found

East 1 and Route: SR-949

No glare found

East 1 and Route: US-431

No glare found

East 1 and FP: Bowling Green Regional 1

No glare found

East 1 and FP: Bowling Green Regional 2

No glare found

East 1 and FP: Bowling Green Regional 3

No glare found

East 1 and FP: Bowling Green Regional 4

No glare found

East 1 and FP: Muhlenberg County Airport 1

No glare found

East 1 and FP: Muhlenberg County Airport 2

No glare found

East 1 and FP: Russellville-Logan Airport 1

No glare found

East 1 and FP: Russellville-Logan Airport 2

No glare found

East 1 and OP 1

No glare found

East 1 and OP 2

No glare found

East 1 and OP 3

No glare found

East 1 and OP 4

No glare found

East 1 and OP 5

No glare found

East 1 and OP 6

No glare found

East 1 and OP 7

No glare found

East 1 and OP 8

No glare found

East 1 and OP 9

No glare found

East 1 and OP 10

No glare found

East 1 and OP 11

No glare found

East 1 and OP 12

No glare found

East 1 and OP 13

No glare found

East 1 and OP 14

No glare found

East 1 and OP 15

No glare found

East 1 and OP 16

No glare found

East 1 and OP 17

No glare found

East 1 and OP 18

No glare found

East 1 and OP 19

No glare found

East 1 and OP 20

No glare found

East 1 and OP 21

No glare found

East 1 and OP 22

No glare found

East 1 and OP 23

No glare found

East 1 and OP 24

No glare found

East 1 and OP 25

No glare found

East 1 and OP 26

No glare found

East 1 and OP 27

No glare found

East 1 and OP 28

No glare found

East 1 and OP 29

No glare found

East 1 and OP 30

No glare found

East 1 and OP 31

No glare found

East 1 and OP 32

No glare found

East 1 and OP 33

No glare found

East 1 and OP 34

No glare found

East 1 and OP 35

No glare found

East 1 and OP 36

No glare found

East 1 and OP 37

No glare found

East 1 and OP 38

No glare found

East 1 and OP 39

No glare found

PV: East 2 potential temporary after-image

Receptor results ordered by category of glare

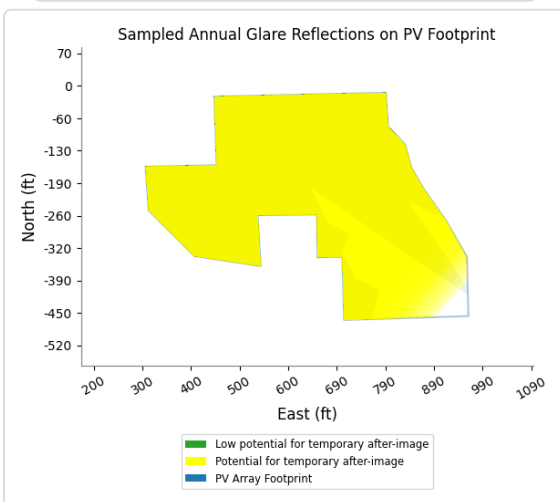
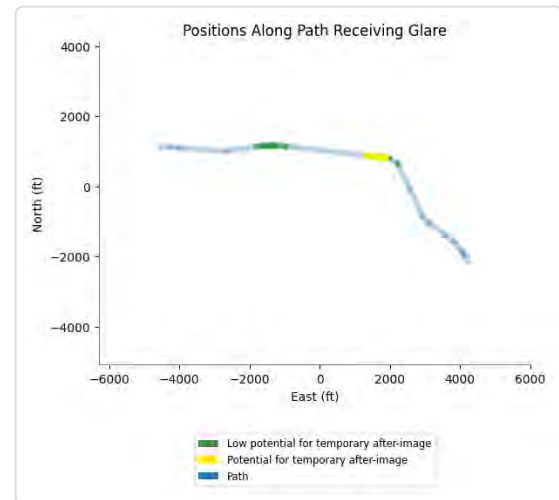
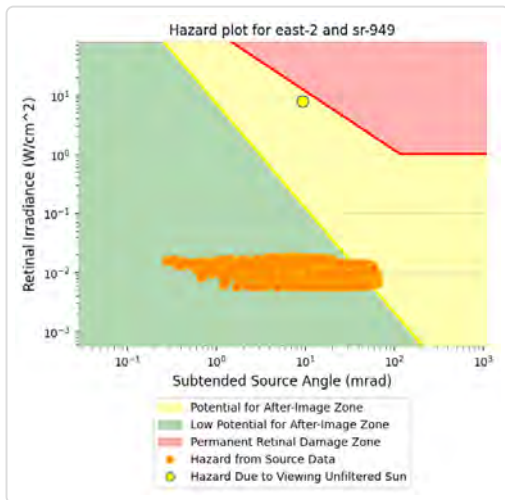
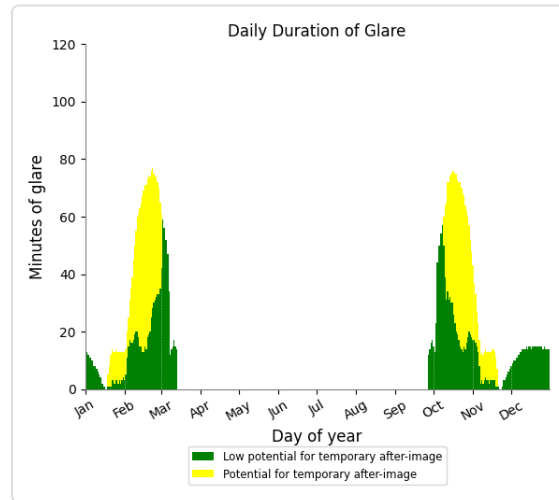
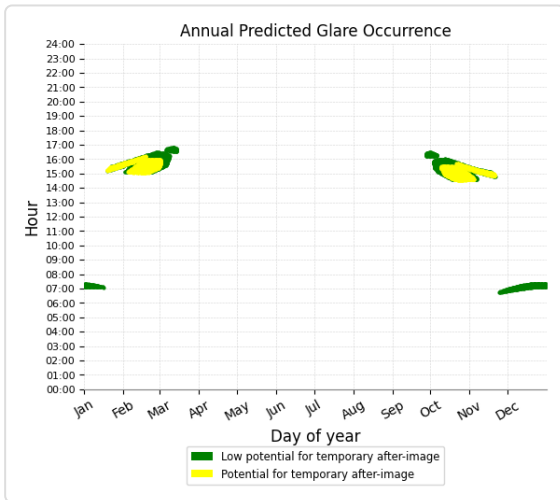
Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
SR-949	2,629	43.8	2,475	41.2
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 12	1,016	16.9	70	1.2
OP 8	51	0.8	0	0.0
OP 9	140	2.3	0	0.0
OP 10	318	5.3	0	0.0
OP 11	77	1.3	0	0.0
OP 35	96	1.6	0	0.0
OP 36	219	3.6	0	0.0
OP 37	216	3.6	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

East 2 and Route: SR-949

Yellow glare: 2,475 min.

Green glare: 2,629 min.



East 2 and Route: Forge Mill Rd

No glare found

East 2 and Route: Free Ln

No glare found

East 2 and Route: Mason-Poyner Rd

No glare found

East 2 and Route: Pendley Mill Rd

No glare found

East 2 and Route: US-431

No glare found

East 2 and FP: Bowling Green Regional 1

No glare found

East 2 and FP: Bowling Green Regional 2

No glare found

East 2 and FP: Bowling Green Regional 3

No glare found

East 2 and FP: Bowling Green Regional 4

No glare found

East 2 and FP: Muhlenberg County Airport 1

No glare found

East 2 and FP: Muhlenberg County Airport 2

No glare found

East 2 and FP: Russellville-Logan Airport 1

No glare found

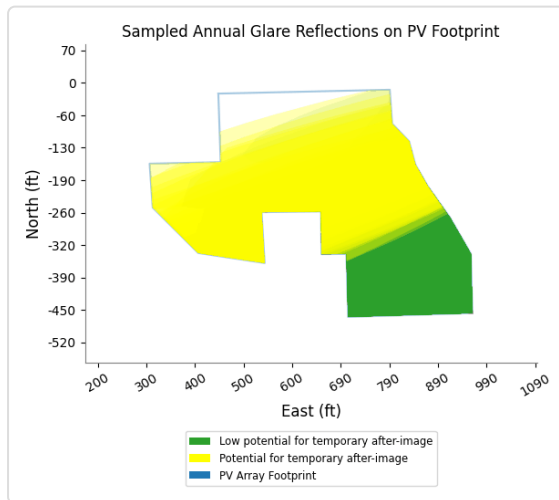
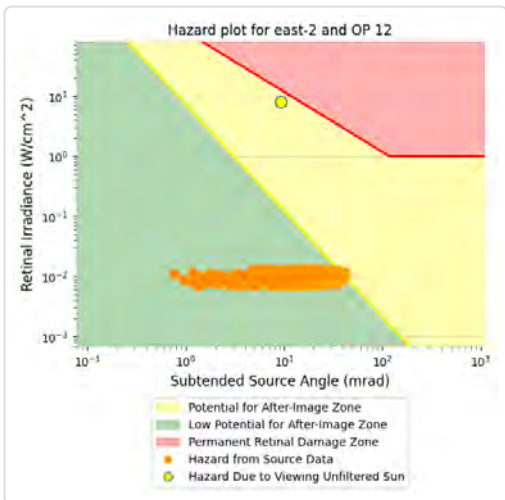
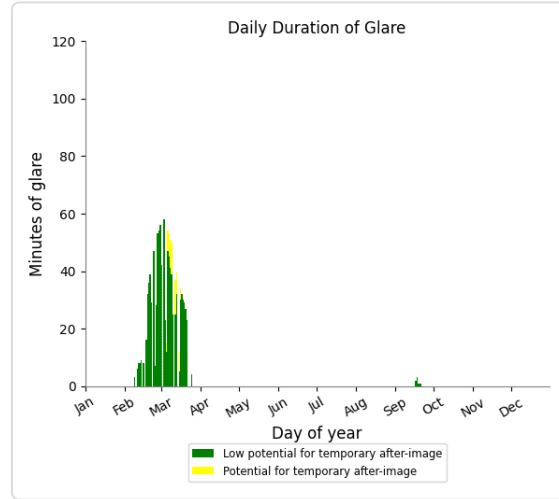
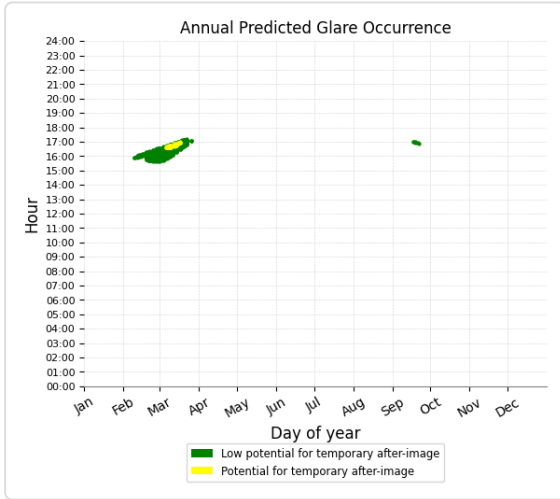
East 2 and FP: Russellville-Logan Airport 2

No glare found

East 2 and OP 12

Yellow glare: 70 min.

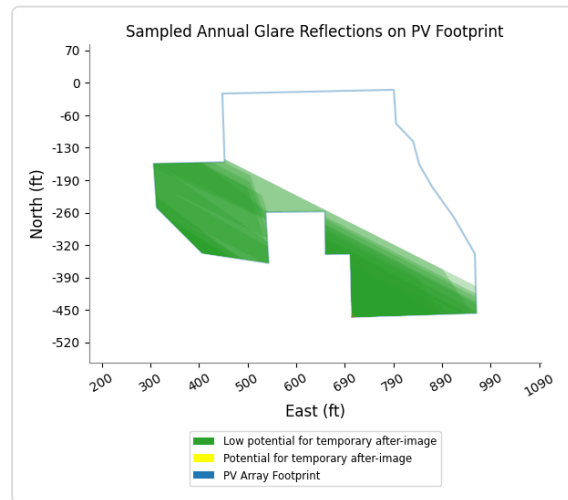
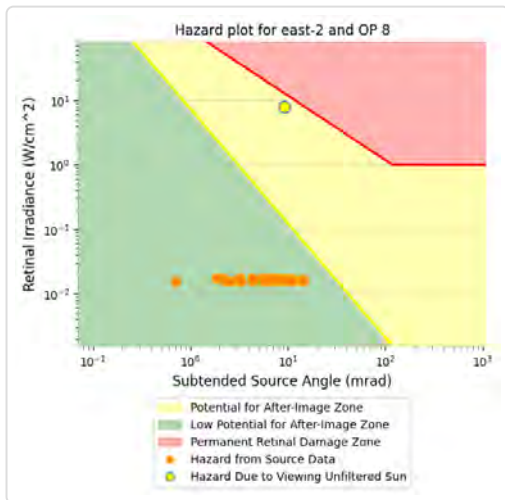
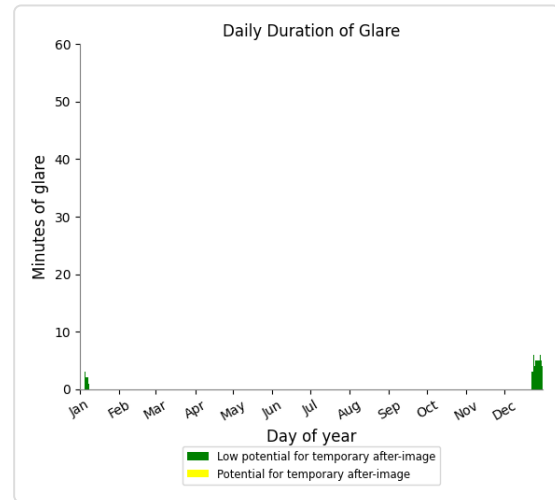
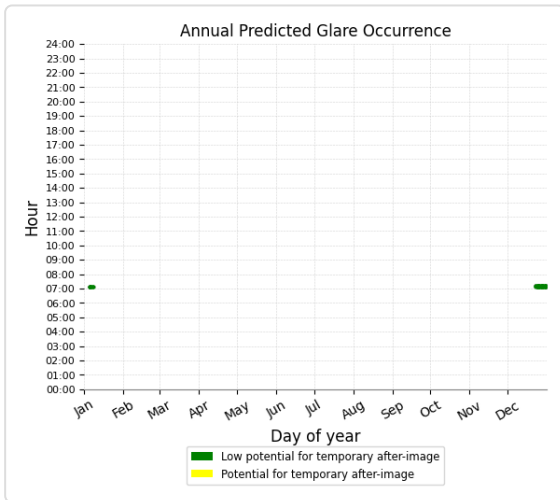
Green glare: 1,016 min.



East 2 and OP 8

Yellow glare: none

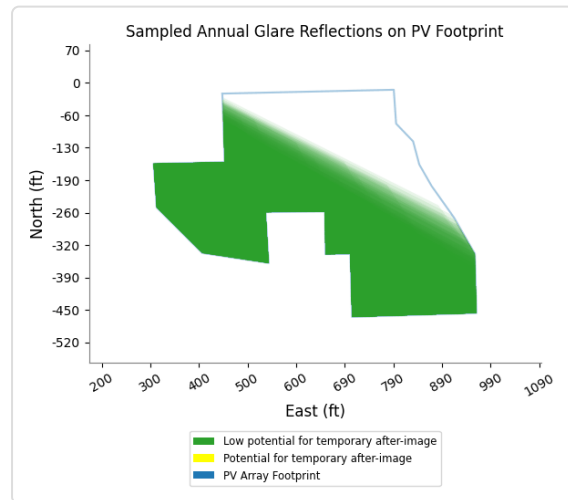
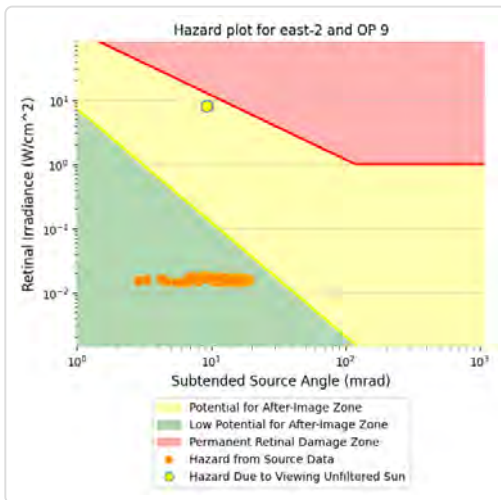
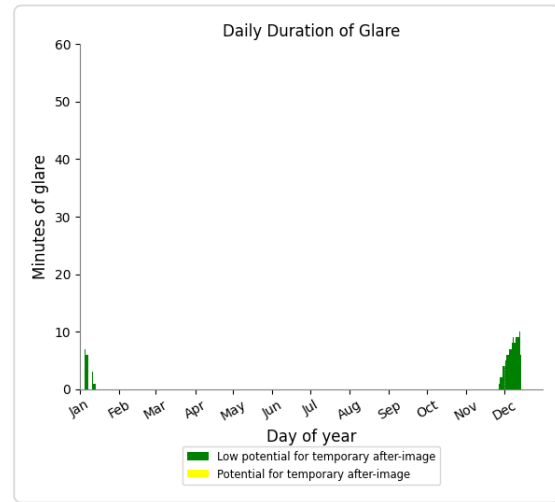
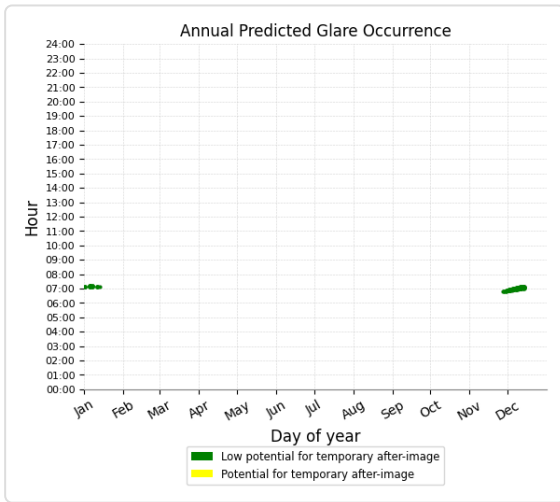
Green glare: 51 min.



East 2 and OP 9

Yellow glare: none

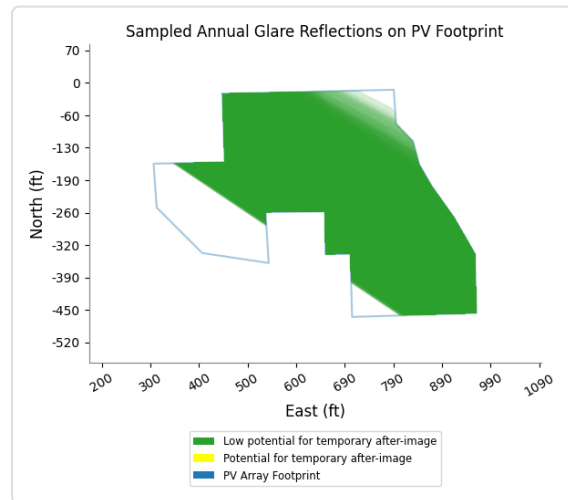
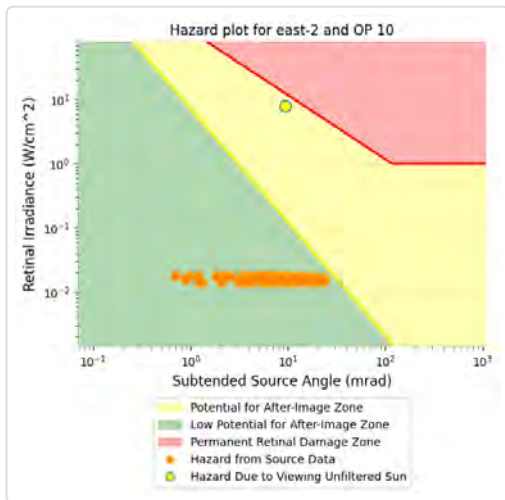
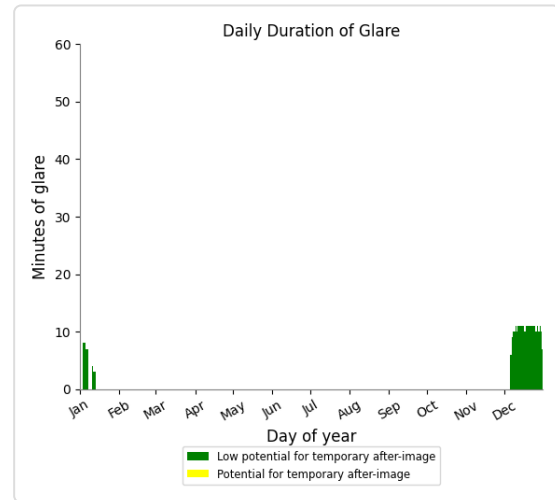
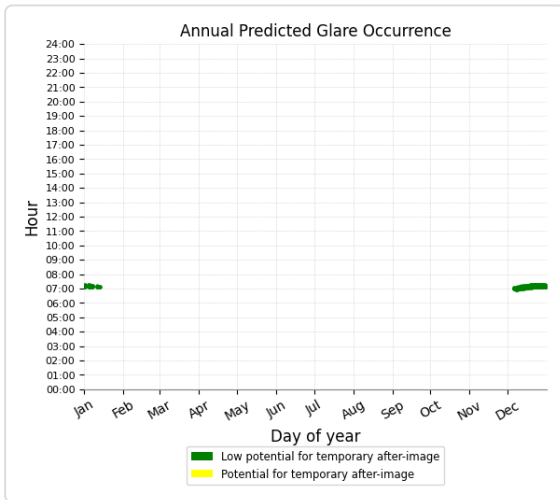
Green glare: 140 min.



East 2 and OP 10

Yellow glare: none

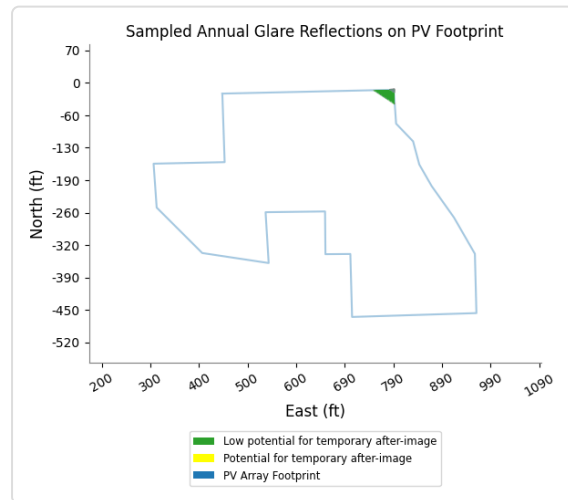
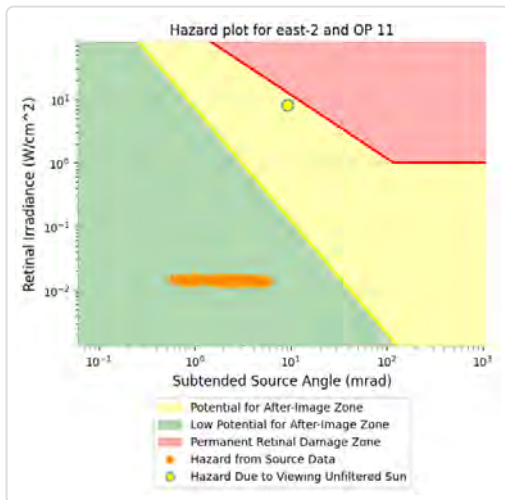
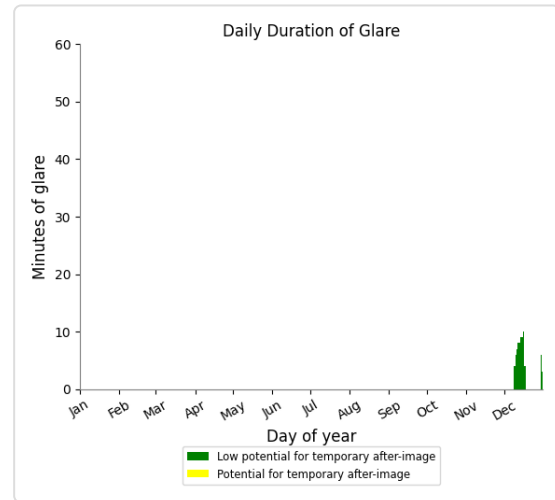
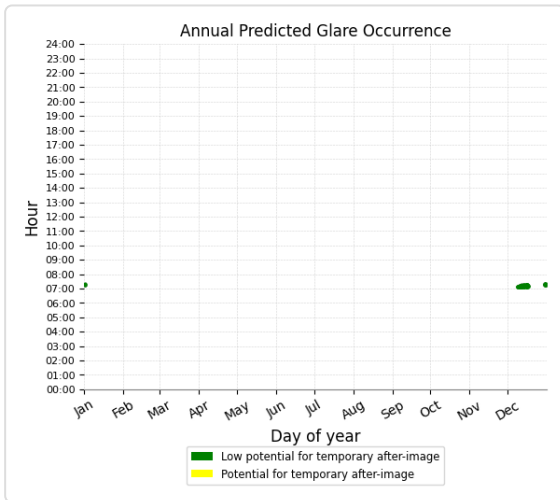
Green glare: 318 min.



East 2 and OP 11

Yellow glare: none

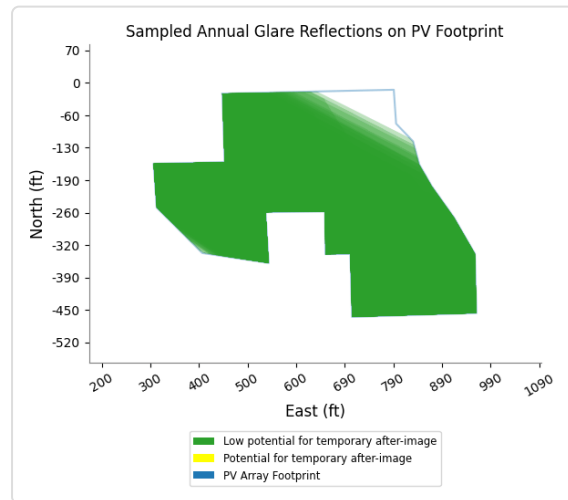
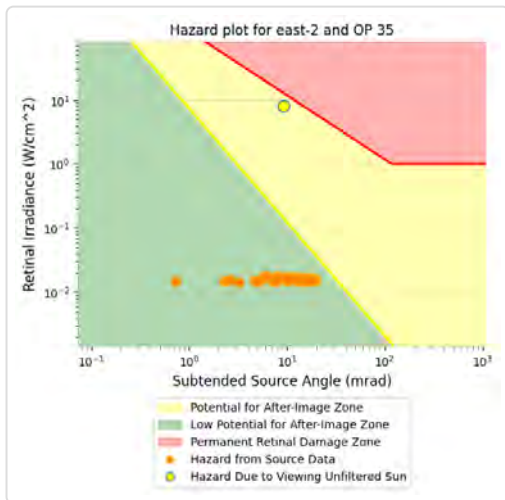
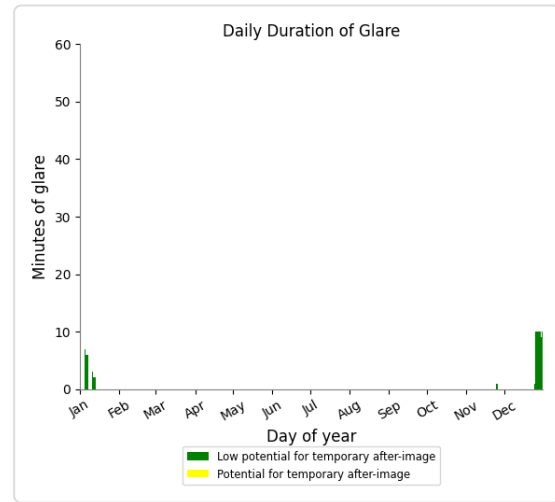
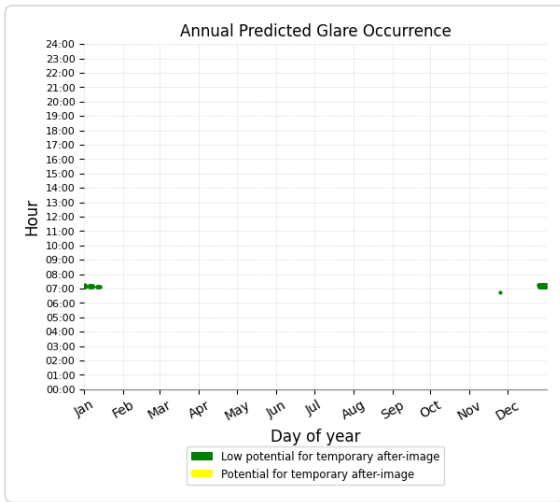
Green glare: 77 min.



East 2 and OP 35

Yellow glare: none

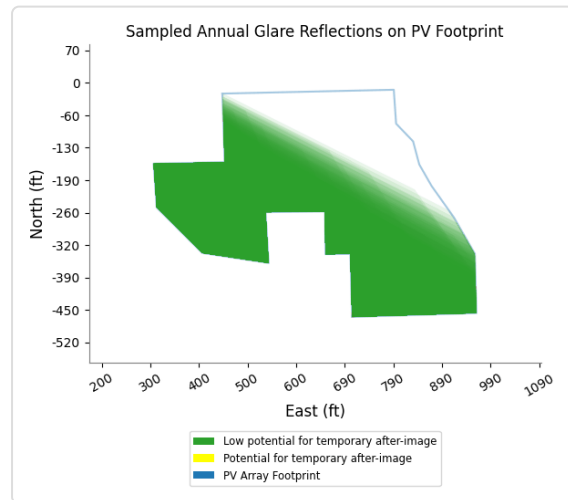
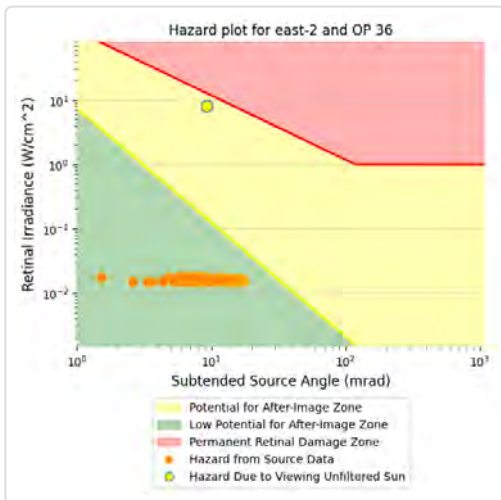
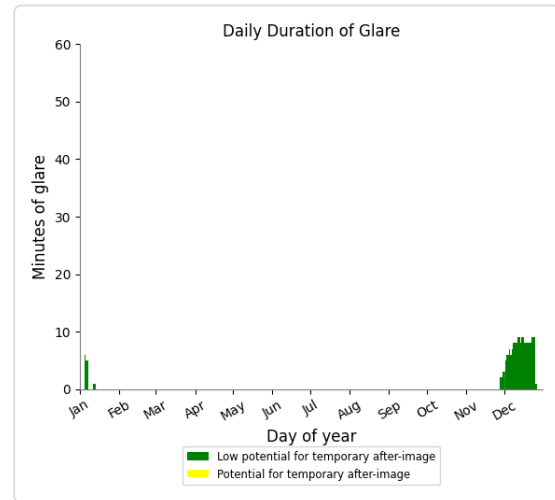
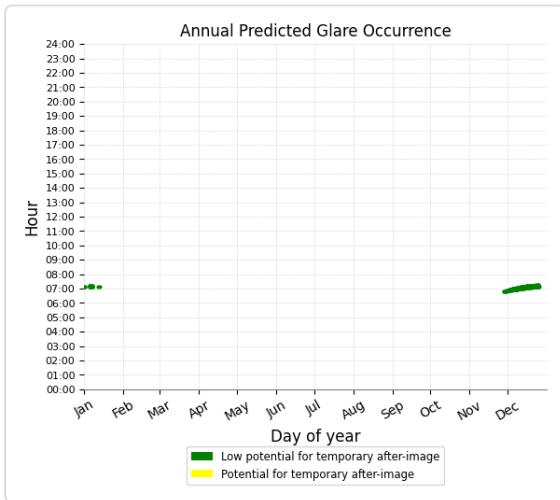
Green glare: 96 min.



East 2 and OP 36

Yellow glare: none

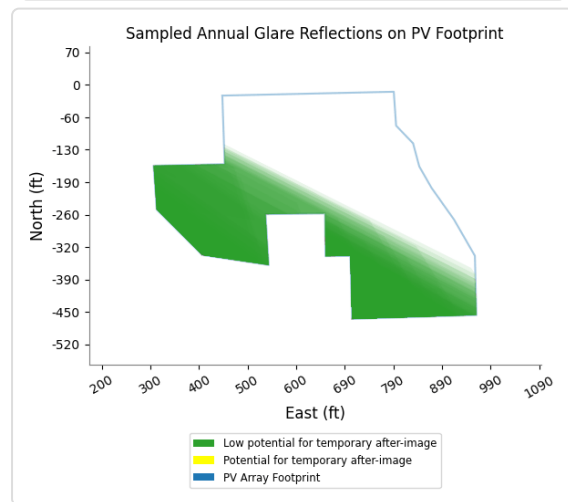
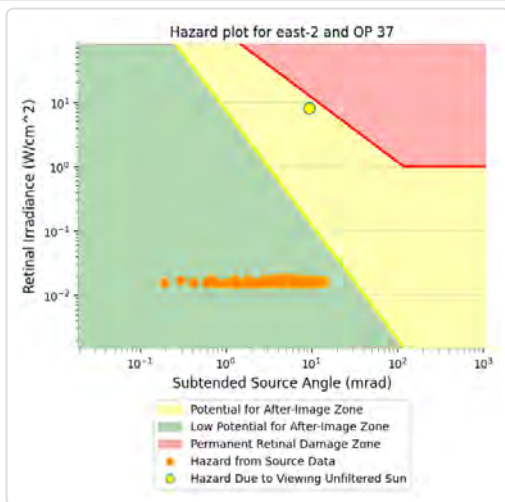
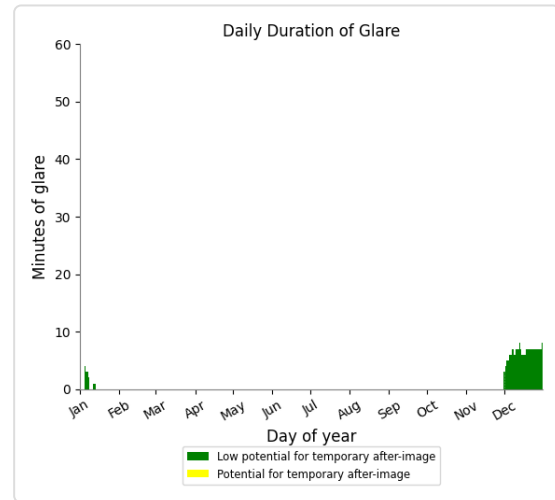
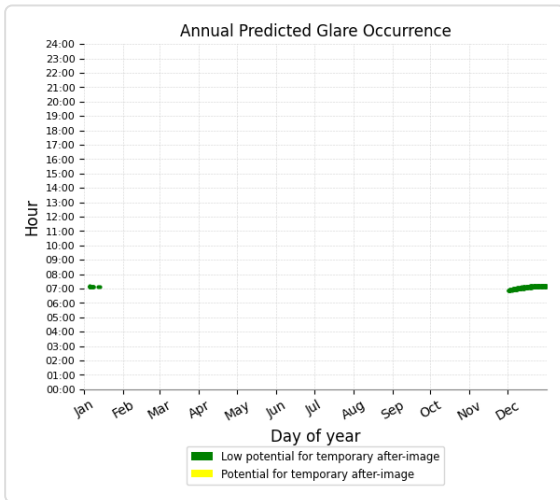
Green glare: 219 min.



East 2 and OP 37

Yellow glare: none

Green glare: 216 min.



East 2 and OP 1

No glare found

East 2 and OP 2

No glare found

East 2 and OP 3

No glare found

East 2 and OP 4

No glare found

East 2 and OP 5

No glare found

East 2 and OP 6

No glare found

East 2 and OP 7

No glare found

East 2 and OP 13

No glare found

East 2 and OP 14

No glare found

East 2 and OP 15

No glare found

East 2 and OP 16

No glare found

East 2 and OP 17

No glare found

East 2 and OP 18

No glare found

East 2 and OP 19

No glare found

East 2 and OP 20

No glare found

East 2 and OP 21

No glare found

East 2 and OP 22

No glare found

East 2 and OP 23

No glare found

East 2 and OP 24

No glare found

East 2 and OP 25

No glare found

East 2 and OP 26

No glare found

East 2 and OP 27

No glare found

East 2 and OP 28

No glare found

East 2 and OP 29

No glare found

East 2 and OP 30

No glare found

East 2 and OP 31

No glare found

East 2 and OP 32

No glare found

East 2 and OP 33

No glare found

East 2 and OP 34

No glare found

East 2 and OP 38

No glare found

East 2 and OP 39

No glare found

PV: Main 1a1 potential temporary after-image

Receptor results ordered by category of glare

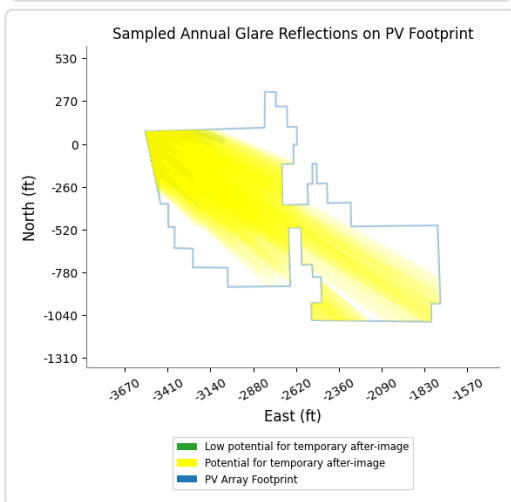
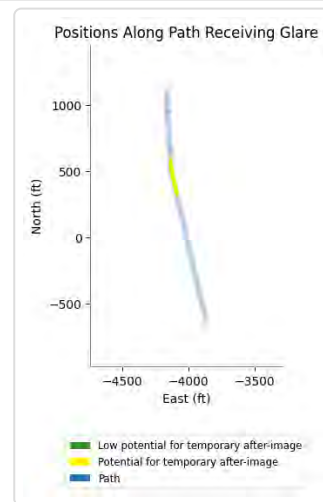
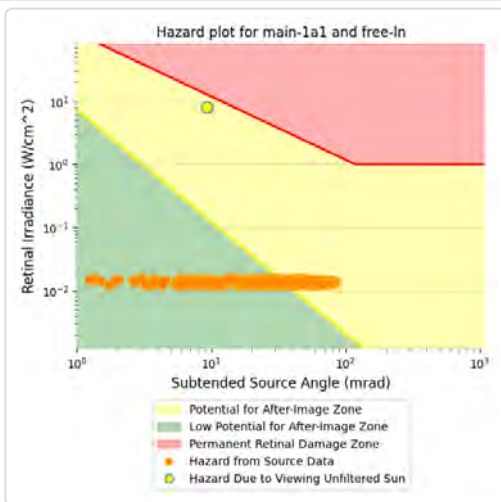
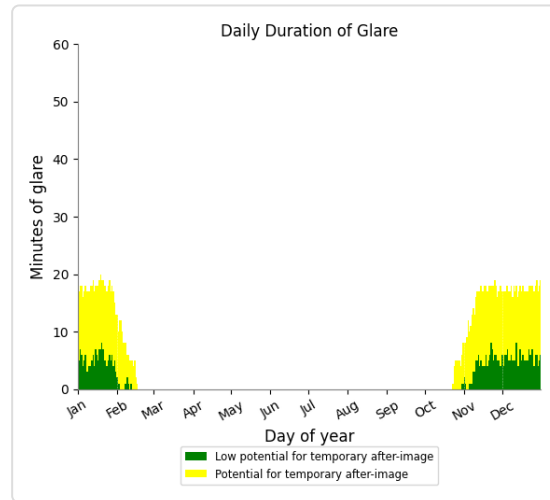
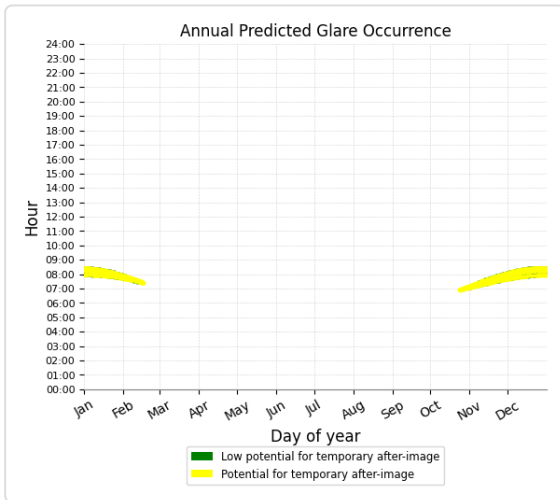
Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Free Ln	467	7.8	1,251	20.9
SR-949	183	3.0	0	0.0
Forgy Mill Rd	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 3	146	2.4	70	1.2
OP 4	334	5.6	256	4.3
OP 5	294	4.9	215	3.6
OP 6	325	5.4	208	3.5
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

Main 1a1 and Route: Free Ln

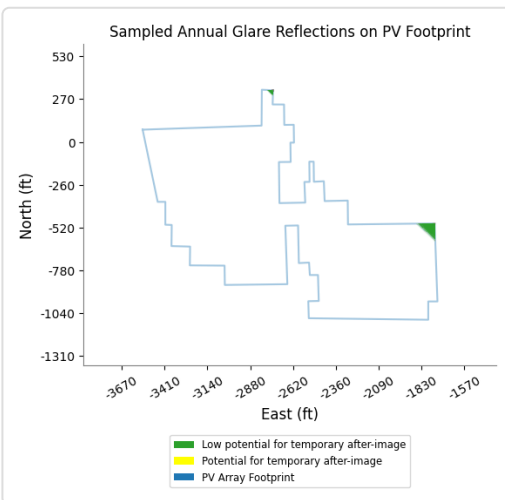
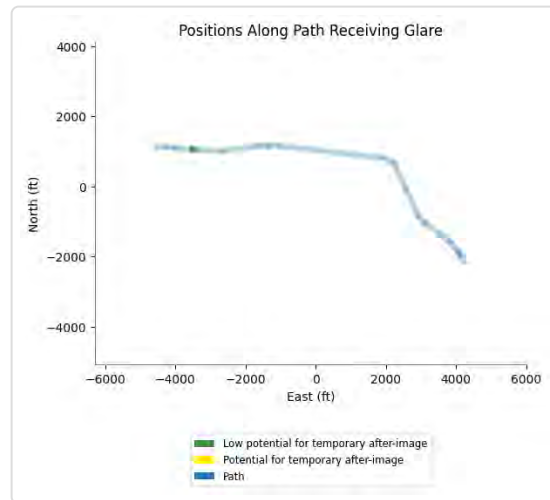
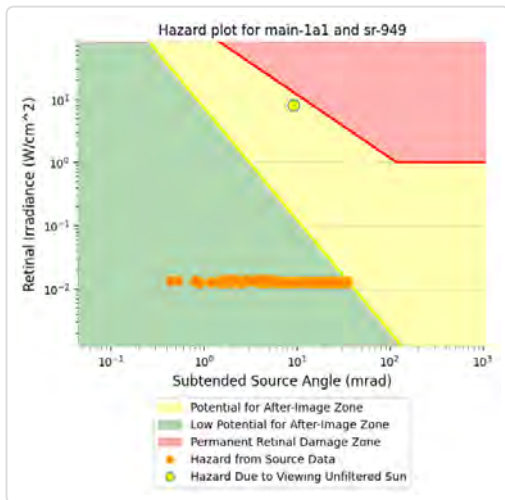
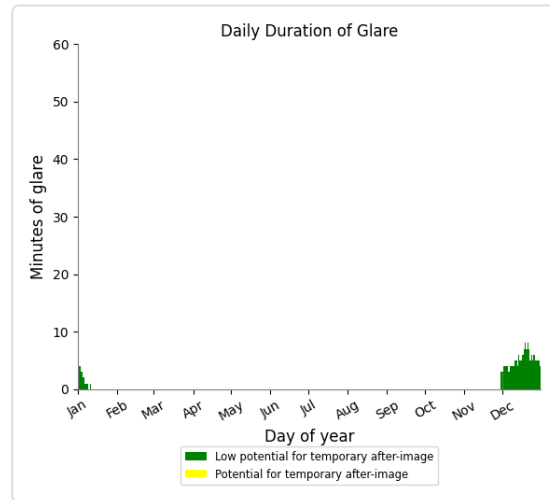
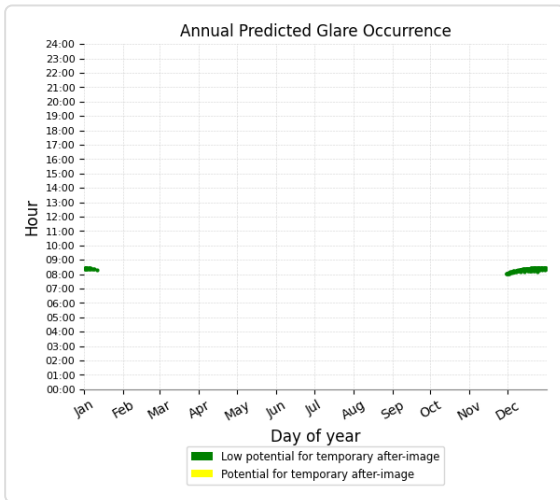
Yellow glare: 1,251 min.

Green glare: 467 min.



Main 1a1 and Route: SR-949

Yellow glare: none
Green glare: 183 min.



Main 1a1 and Route: Forge Mill Rd

No glare found

Main 1a1 and Route: Mason-Poyner Rd

No glare found

Main 1a1 and Route: Pendley Mill Rd

No glare found

Main 1a1 and Route: US-431

No glare found

Main 1a1 and FP: Bowling Green Regional 1

No glare found

Main 1a1 and FP: Bowling Green Regional 2

No glare found

Main 1a1 and FP: Bowling Green Regional 3

No glare found

Main 1a1 and FP: Bowling Green Regional 4

No glare found

Main 1a1 and FP: Muhlenberg County Airport 1

No glare found

Main 1a1 and FP: Muhlenberg County Airport 2

No glare found

Main 1a1 and FP: Russellville-Logan Airport 1

No glare found

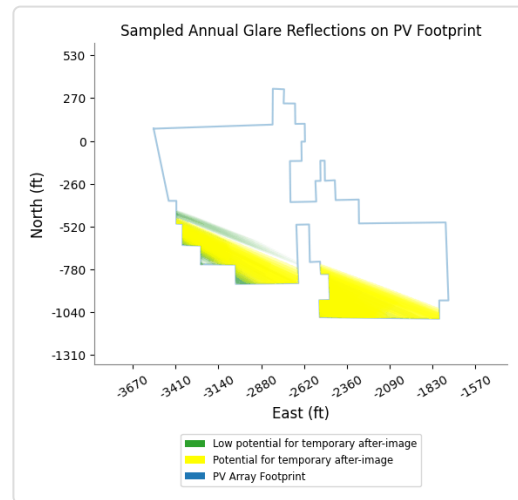
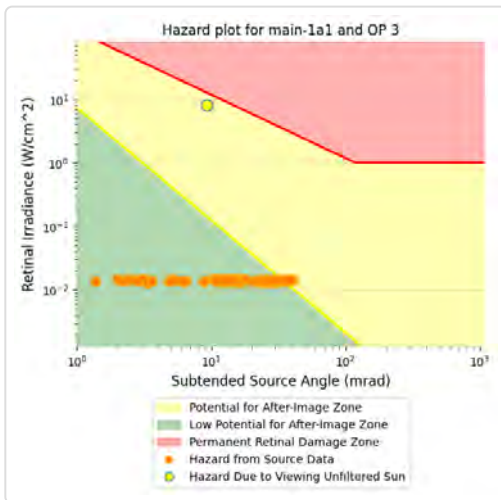
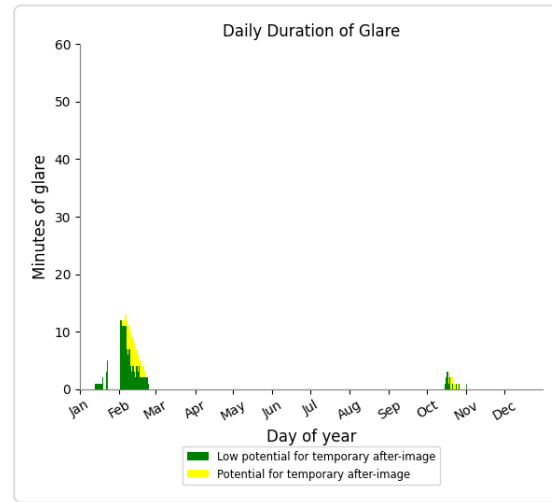
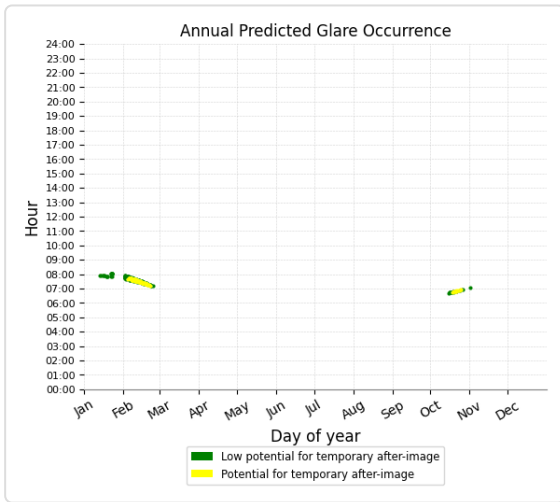
Main 1a1 and FP: Russellville-Logan Airport 2

No glare found

Main 1a1 and OP 3

Yellow glare: 70 min.

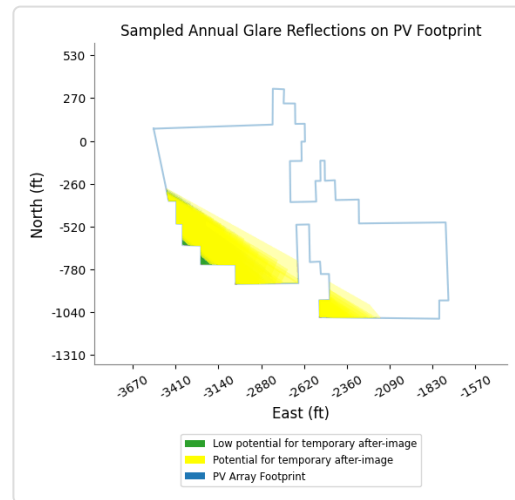
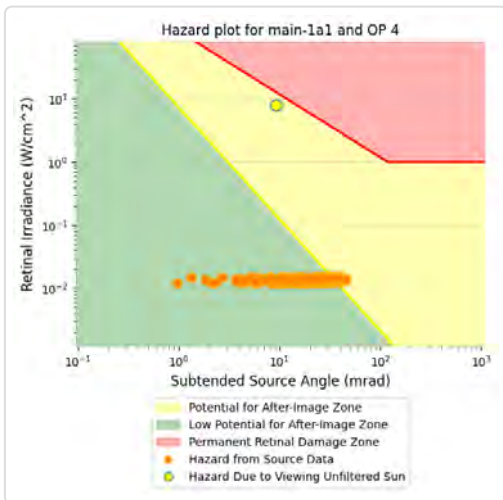
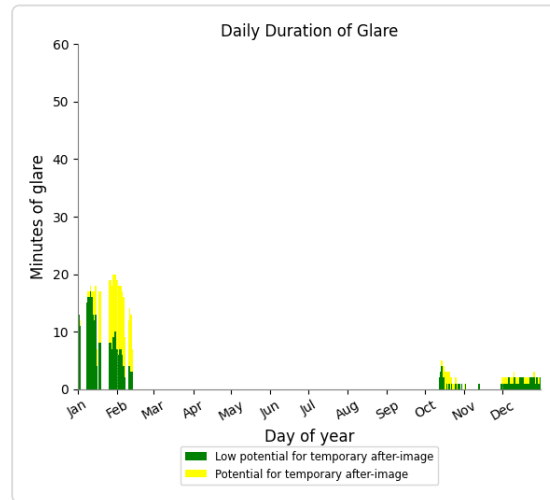
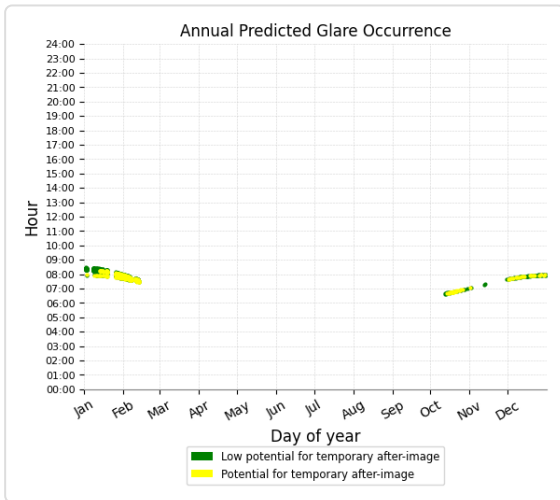
Green glare: 146 min.



Main 1a1 and OP 4

Yellow glare: 256 min.

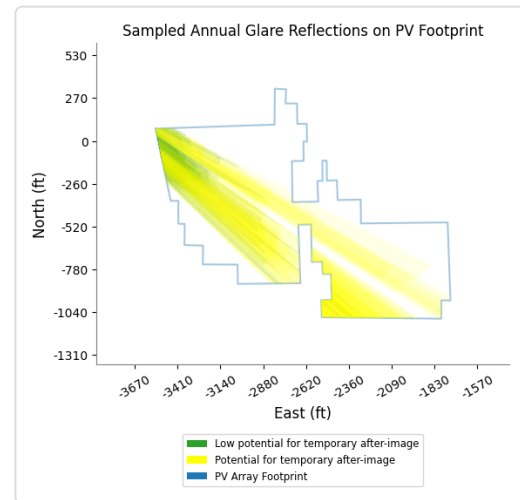
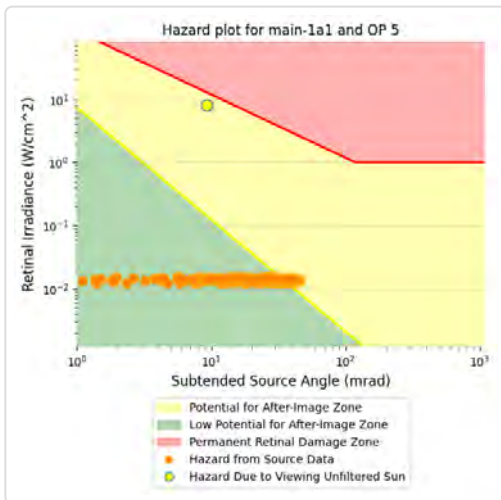
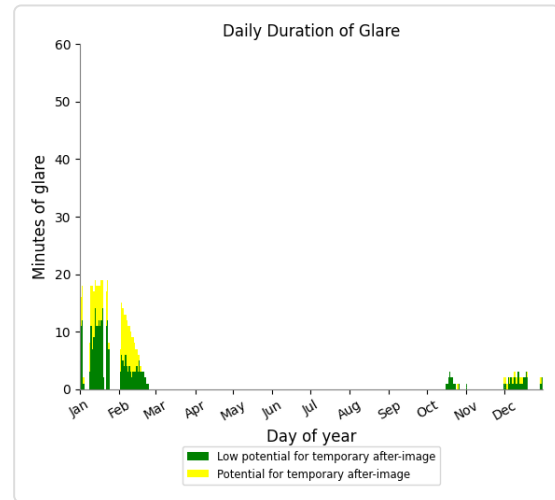
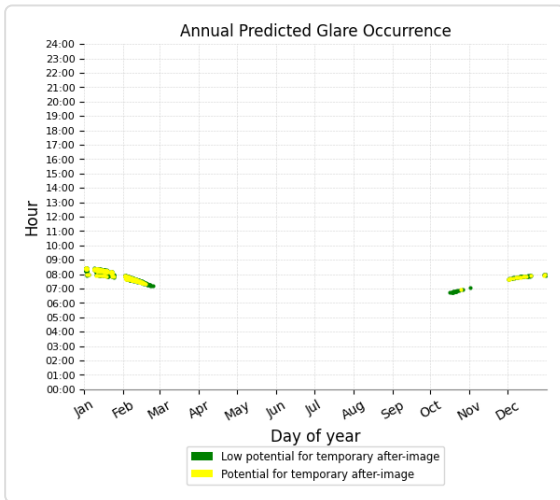
Green glare: 334 min.



Main 1a1 and OP 5

Yellow glare: 215 min.

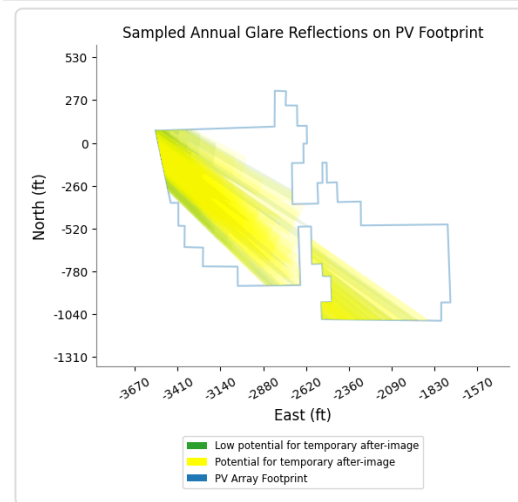
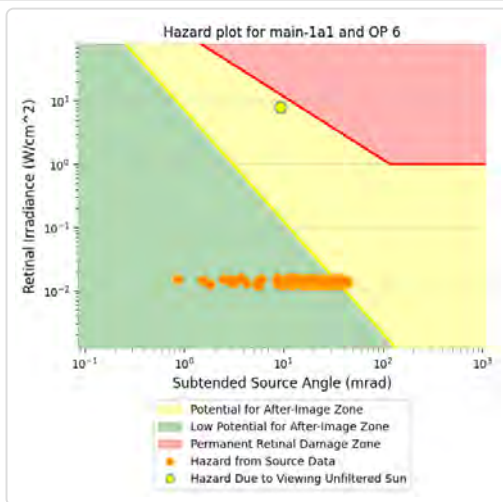
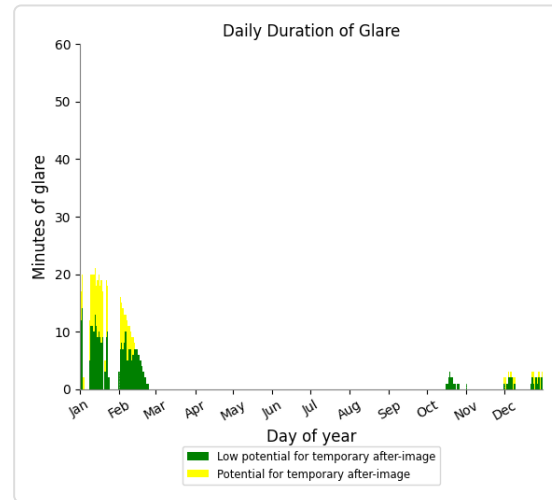
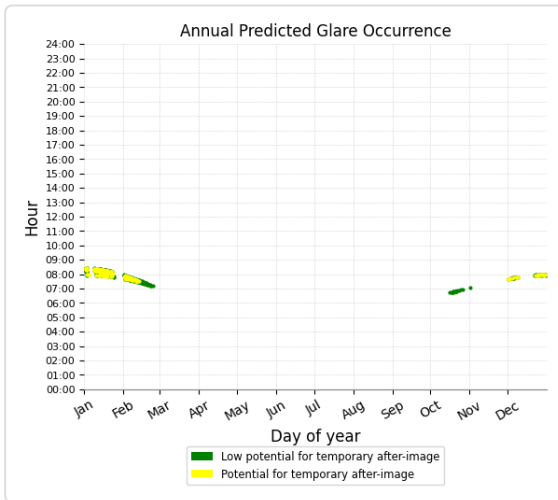
Green glare: 294 min.



Main 1a1 and OP 6

Yellow glare: 208 min.

Green glare: 325 min.



Main 1a1 and OP 1

No glare found

Main 1a1 and OP 2

No glare found

Main 1a1 and OP 7

No glare found

Main 1a1 and OP 8

No glare found

Main 1a1 and OP 9

No glare found

Main 1a1 and OP 10

No glare found

Main 1a1 and OP 11

No glare found

Main 1a1 and OP 12

No glare found

Main 1a1 and OP 13

No glare found

Main 1a1 and OP 14

No glare found

Main 1a1 and OP 15

No glare found

Main 1a1 and OP 16

No glare found

Main 1a1 and OP 17

No glare found

Main 1a1 and OP 18

No glare found

Main 1a1 and OP 19

No glare found

Main 1a1 and OP 20

No glare found

Main 1a1 and OP 21

No glare found

Main 1a1 and OP 22

No glare found

Main 1a1 and OP 23

No glare found

Main 1a1 and OP 24

No glare found

Main 1a1 and OP 25

No glare found

Main 1a1 and OP 26

No glare found

Main 1a1 and OP 27

No glare found

Main 1a1 and OP 28

No glare found

Main 1a1 and OP 29

No glare found

Main 1a1 and OP 30

No glare found

Main 1a1 and OP 31

No glare found

Main 1a1 and OP 32

No glare found

Main 1a1 and OP 33

No glare found

Main 1a1 and OP 34

No glare found

Main 1a1 and OP 35

No glare found

Main 1a1 and OP 36

No glare found

Main 1a1 and OP 37

No glare found

Main 1a1 and OP 38

No glare found

Main 1a1 and OP 39

No glare found

PV: Main 1a2 low potential for temporary after-image

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
SR-949	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 9	16	0.3	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

Main 1a2 and Route: Forgy Mill Rd

No glare found

Main 1a2 and Route: Free Ln

No glare found

Main 1a2 and Route: Mason-Poyner Rd

No glare found

Main 1a2 and Route: Pendley Mill Rd

No glare found

Main 1a2 and Route: SR-949

No glare found

Main 1a2 and Route: US-431

No glare found

Main 1a2 and FP: Bowling Green Regional 1

No glare found

Main 1a2 and FP: Bowling Green Regional 2

No glare found

Main 1a2 and FP: Bowling Green Regional 3

No glare found

Main 1a2 and FP: Bowling Green Regional 4

No glare found

Main 1a2 and FP: Muhlenberg County Airport 1

No glare found

Main 1a2 and FP: Muhlenberg County Airport 2

No glare found

Main 1a2 and FP: Russellville-Logan Airport 1

No glare found

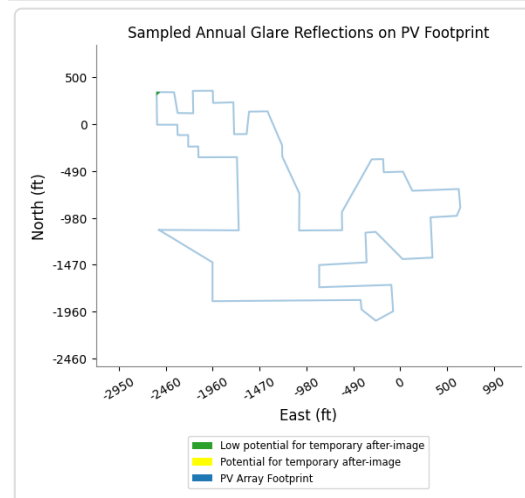
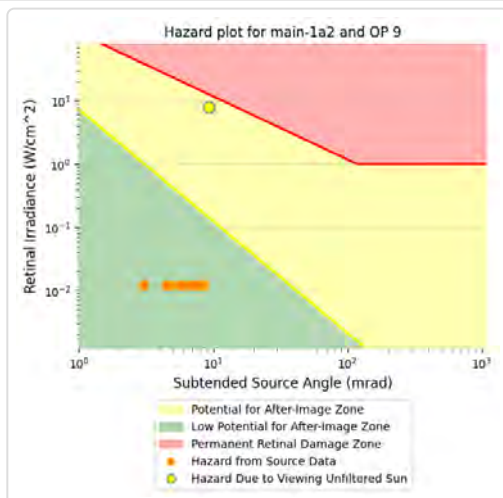
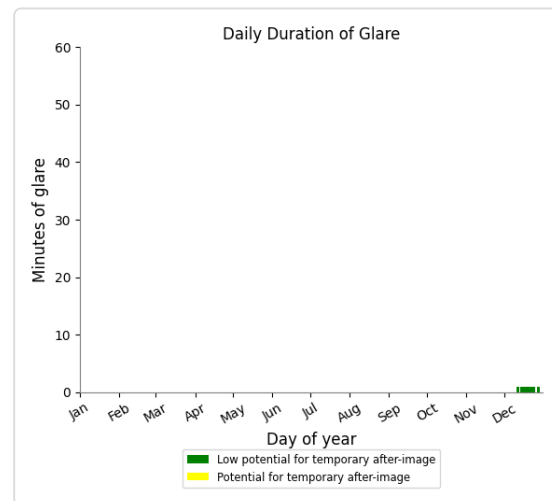
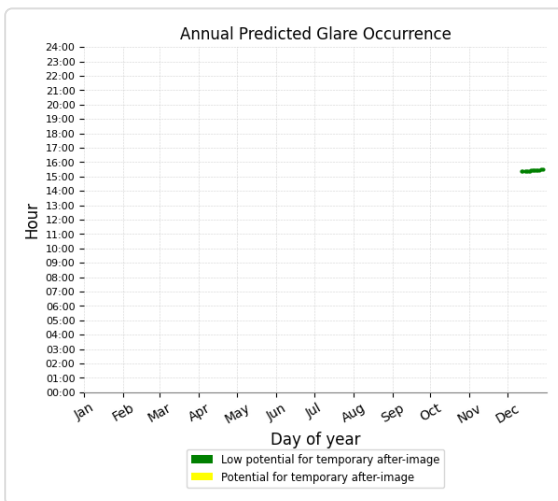
Main 1a2 and FP: Russellville-Logan Airport 2

No glare found

Main 1a2 and OP 9

Yellow glare: none

Green glare: 16 min.



Main 1a2 and OP 1

No glare found

Main 1a2 and OP 2

No glare found

Main 1a2 and OP 3

No glare found

Main 1a2 and OP 4

No glare found

Main 1a2 and OP 5

No glare found

Main 1a2 and OP 6

No glare found

Main 1a2 and OP 7

No glare found

Main 1a2 and OP 8

No glare found

Main 1a2 and OP 10

No glare found

Main 1a2 and OP 11

No glare found

Main 1a2 and OP 12

No glare found

Main 1a2 and OP 13

No glare found

Main 1a2 and OP 14

No glare found

Main 1a2 and OP 15

No glare found

Main 1a2 and OP 16

No glare found

Main 1a2 and OP 17

No glare found

Main 1a2 and OP 18

No glare found

Main 1a2 and OP 19

No glare found

Main 1a2 and OP 20

No glare found

Main 1a2 and OP 21

No glare found

Main 1a2 and OP 22

No glare found

Main 1a2 and OP 23

No glare found

Main 1a2 and OP 24

No glare found

Main 1a2 and OP 25

No glare found

Main 1a2 and OP 26

No glare found

Main 1a2 and OP 27

No glare found

Main 1a2 and OP 28

No glare found

Main 1a2 and OP 29

No glare found

Main 1a2 and OP 30

No glare found

Main 1a2 and OP 31

No glare found

Main 1a2 and OP 32

No glare found

Main 1a2 and OP 33

No glare found

Main 1a2 and OP 34

No glare found

Main 1a2 and OP 35

No glare found

Main 1a2 and OP 36

No glare found

Main 1a2 and OP 37

No glare found

Main 1a2 and OP 38

No glare found

Main 1a2 and OP 39

No glare found

PV: Main 1c low potential for temporary after-image

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
SR-949	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 2	151	2.5	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

Main 1c and Route: Forgy Mill Rd

No glare found

Main 1c and Route: Free Ln

No glare found

Main 1c and Route: Mason-Poyner Rd

No glare found

Main 1c and Route: Pendley Mill Rd

No glare found

Main 1c and Route: SR-949

No glare found

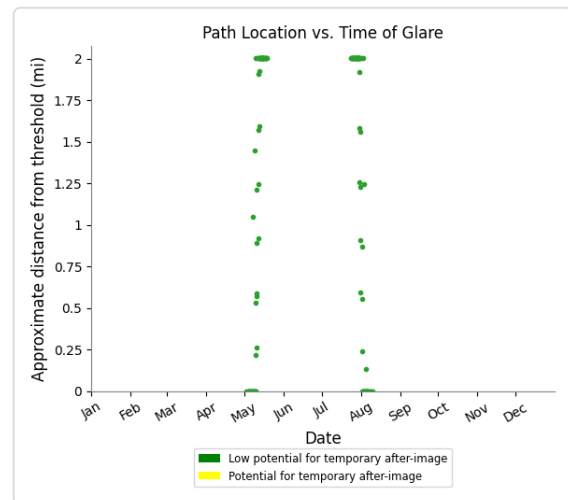
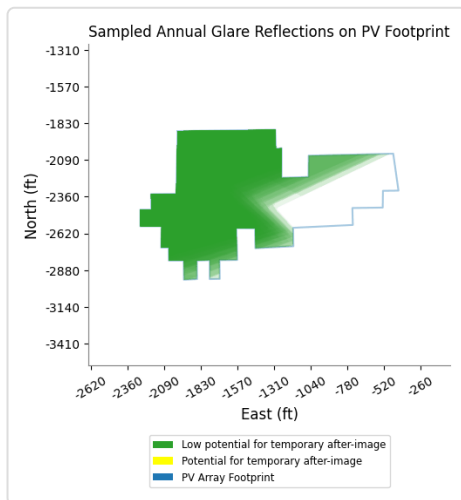
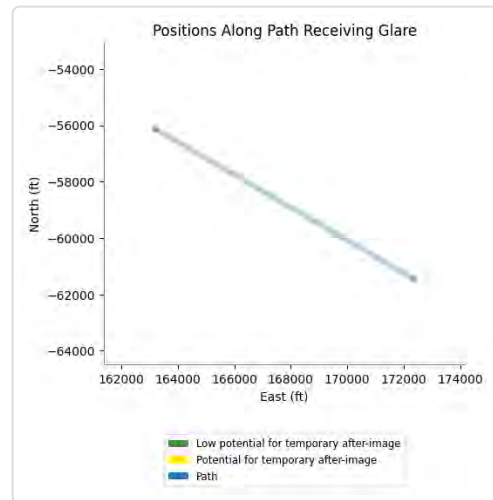
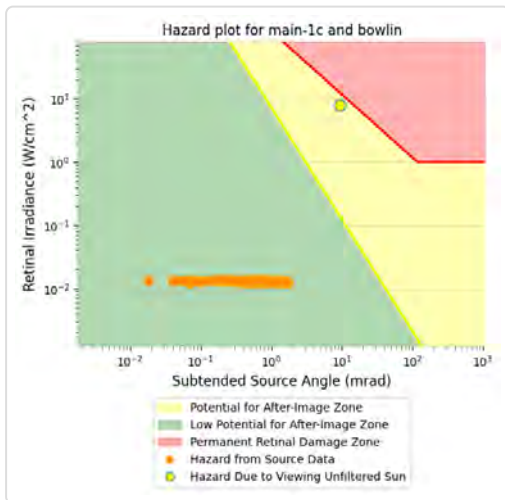
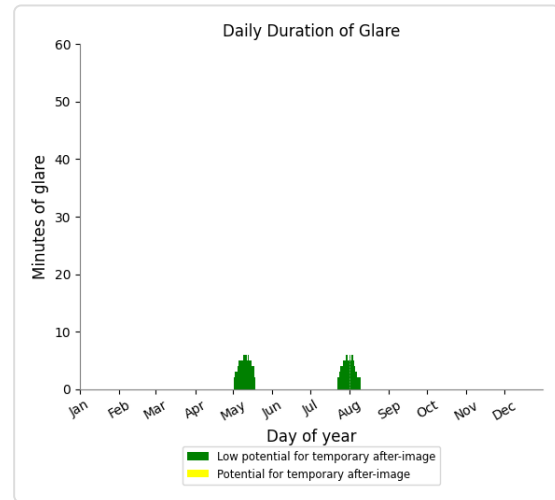
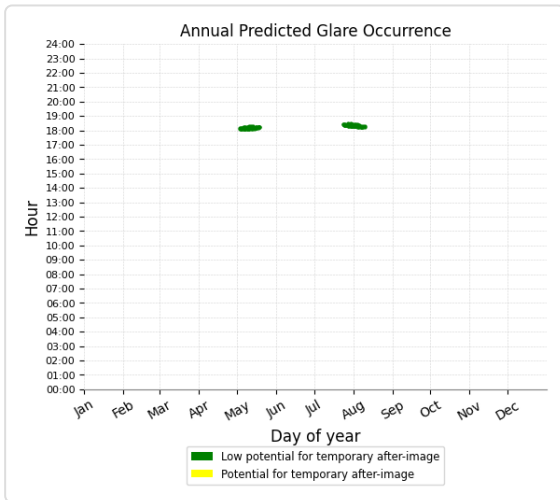
Main 1c and Route: US-431

No glare found

Main 1c and FP: Bowling Green Regional 2

Yellow glare: none

Green glare: 151 min.



Main 1c and FP: Bowling Green Regional 1

No glare found

Main 1c and FP: Bowling Green Regional 3

No glare found

Main 1c and FP: Bowling Green Regional 4

No glare found

Main 1c and FP: Muhlenberg County Airport 1

No glare found

Main 1c and FP: Muhlenberg County Airport 2

No glare found

Main 1c and FP: Russellville-Logan Airport 1

No glare found

Main 1c and FP: Russellville-Logan Airport 2

No glare found

Main 1c and OP 1

No glare found

Main 1c and OP 2

No glare found

Main 1c and OP 3

No glare found

Main 1c and OP 4

No glare found

Main 1c and OP 5

No glare found

Main 1c and OP 6

No glare found

Main 1c and OP 7

No glare found

Main 1c and OP 8

No glare found

Main 1c and OP 9

No glare found

Main 1c and OP 10

No glare found

Main 1c and OP 11

No glare found

Main 1c and OP 12

No glare found

Main 1c and OP 13

No glare found

Main 1c and OP 14

No glare found

Main 1c and OP 15

No glare found

Main 1c and OP 16

No glare found

Main 1c and OP 17

No glare found

Main 1c and OP 18

No glare found

Main 1c and OP 19

No glare found

Main 1c and OP 20

No glare found

Main 1c and OP 21

No glare found

Main 1c and OP 22

No glare found

Main 1c and OP 23

No glare found

Main 1c and OP 24

No glare found

Main 1c and OP 25

No glare found

Main 1c and OP 26

No glare found

Main 1c and OP 27

No glare found

Main 1c and OP 28

No glare found

Main 1c and OP 29

No glare found

Main 1c and OP 30

No glare found

Main 1c and OP 31

No glare found

Main 1c and OP 32

No glare found

Main 1c and OP 33

No glare found

Main 1c and OP 34

No glare found

Main 1c and OP 35

No glare found

Main 1c and OP 36

No glare found

Main 1c and OP 37

No glare found

Main 1c and OP 38

No glare found

Main 1c and OP 39

No glare found

PV: Main 1d potential temporary after-image

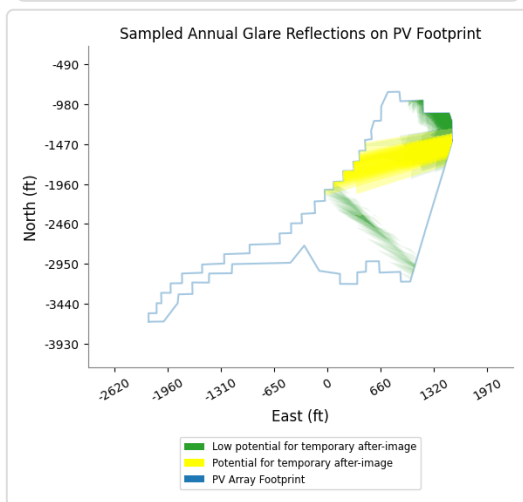
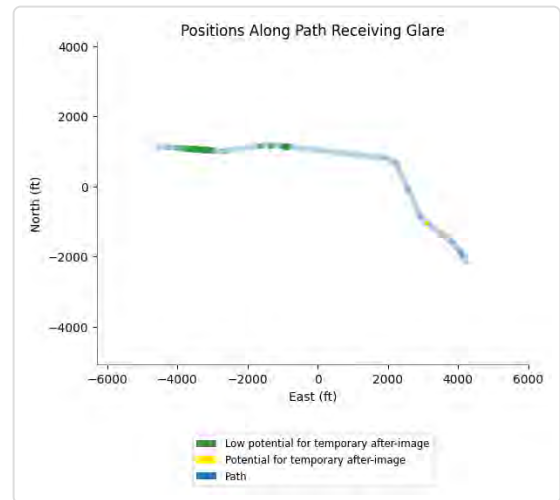
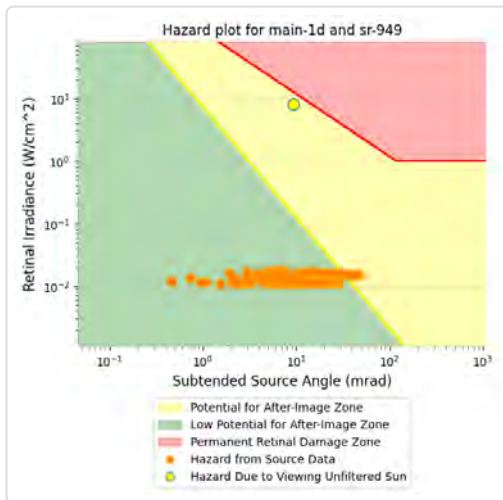
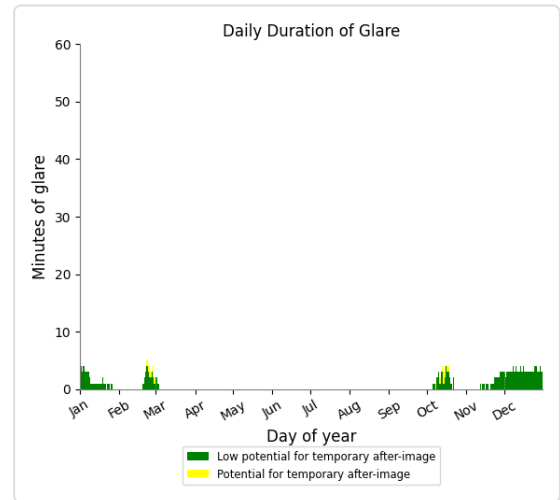
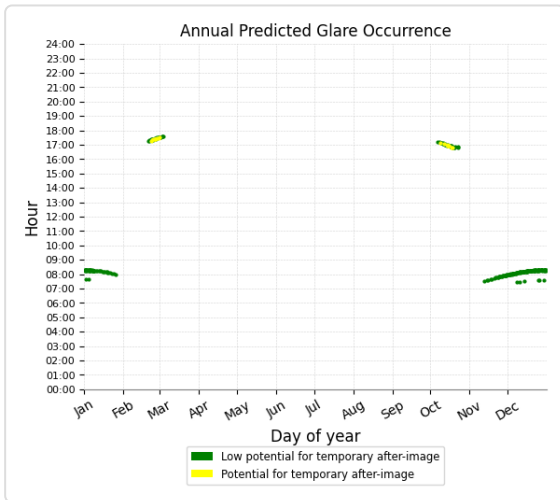
Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
SR-949	230	3.8	18	0.3
Free Ln	171	2.9	0	0.0
Forgy Mill Rd	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 3	37	0.6	0	0.0
OP 4	61	1.0	0	0.0
OP 5	34	0.6	0	0.0
OP 6	20	0.3	0	0.0
OP 7	23	0.4	0	0.0
OP 9	60	1.0	0	0.0
OP 10	68	1.1	0	0.0
OP 12	56	0.9	0	0.0
OP 35	50	0.8	0	0.0
OP 36	21	0.3	0	0.0
OP 37	33	0.6	0	0.0
OP 39	21	0.3	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 38	0	0.0	0	0.0

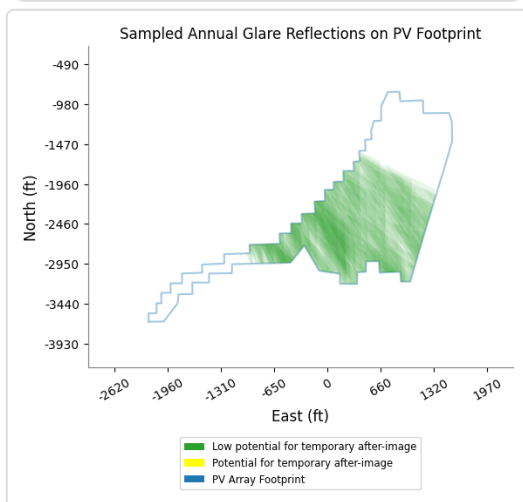
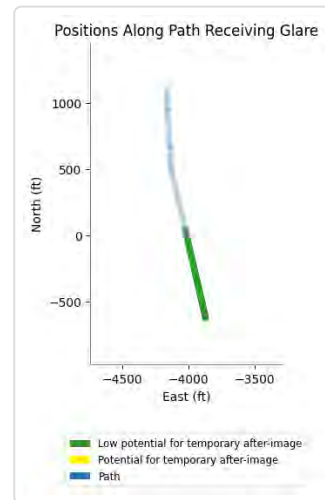
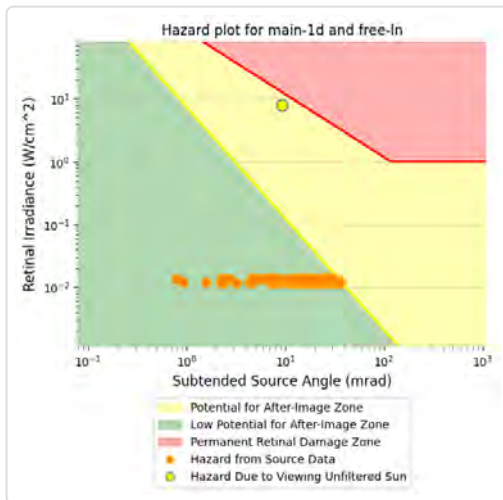
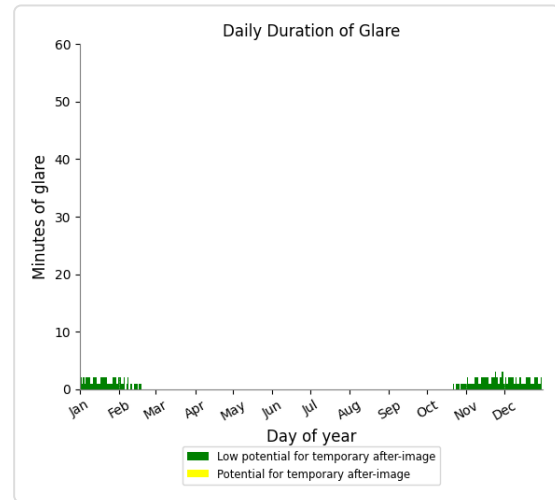
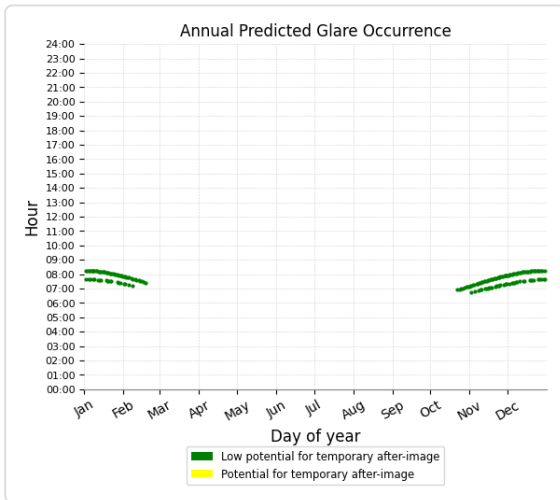
Main 1d and Route: SR-949

Yellow glare: 18 min.
 Green glare: 230 min.



Main 1d and Route: Free Ln

Yellow glare: none
Green glare: 171 min.



Main 1d and Route: Forge Mill Rd

No glare found

Main 1d and Route: Mason-Poyner Rd

No glare found

Main 1d and Route: Pendley Mill Rd

No glare found

Main 1d and Route: US-431

No glare found

Main 1d and FP: Bowling Green Regional 1

No glare found

Main 1d and FP: Bowling Green Regional 2

No glare found

Main 1d and FP: Bowling Green Regional 3

No glare found

Main 1d and FP: Bowling Green Regional 4

No glare found

Main 1d and FP: Muhlenberg County Airport 1

No glare found

Main 1d and FP: Muhlenberg County Airport 2

No glare found

Main 1d and FP: Russellville-Logan Airport 1

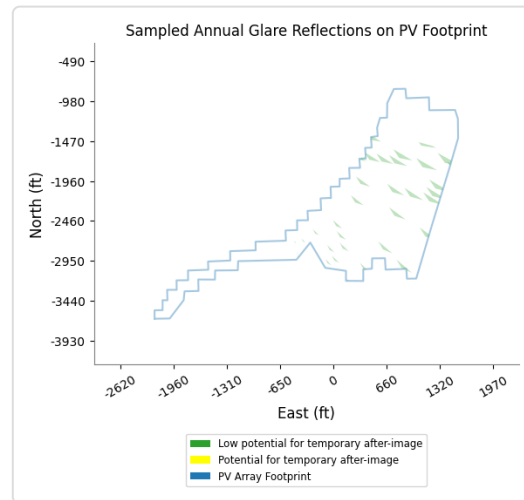
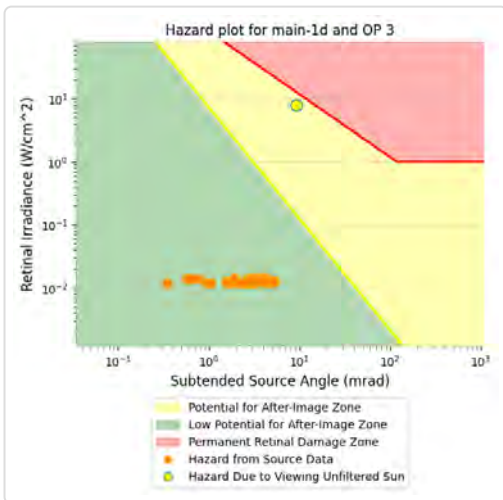
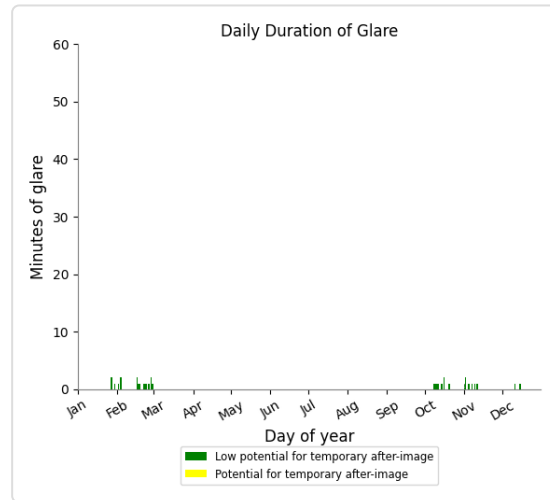
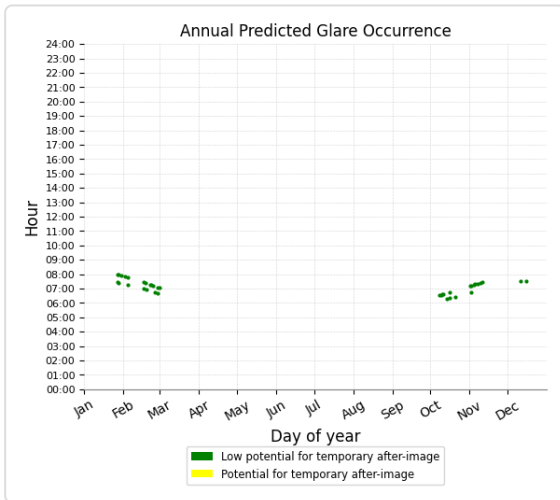
No glare found

Main 1d and FP: Russellville-Logan Airport 2

No glare found

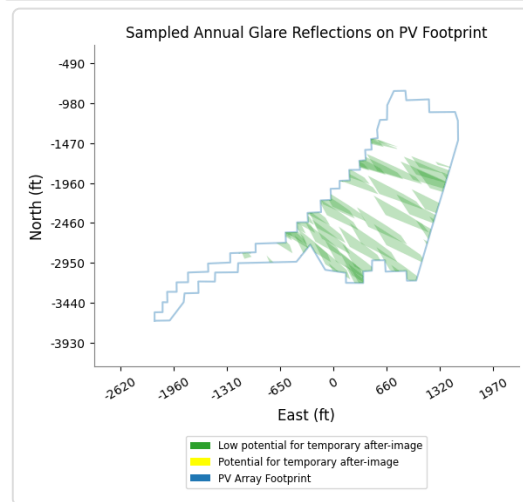
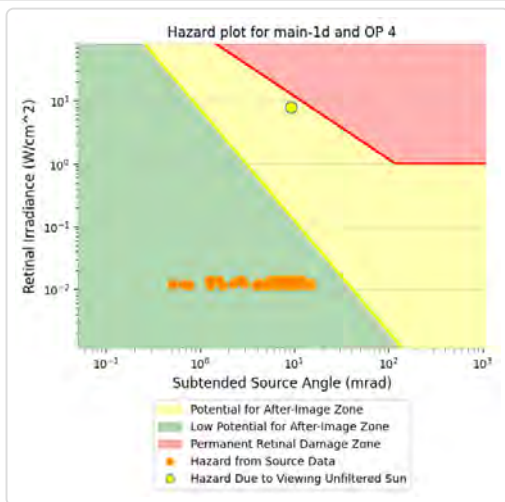
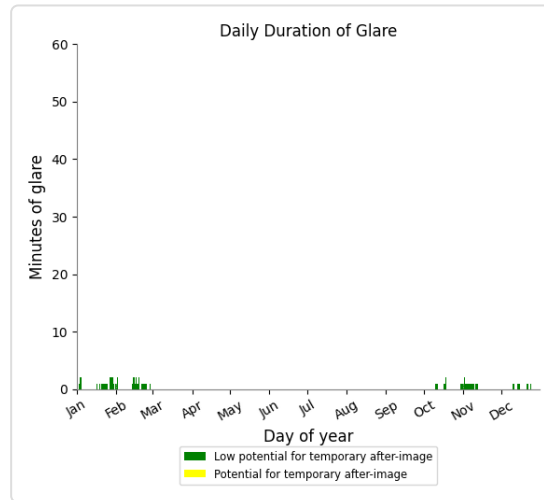
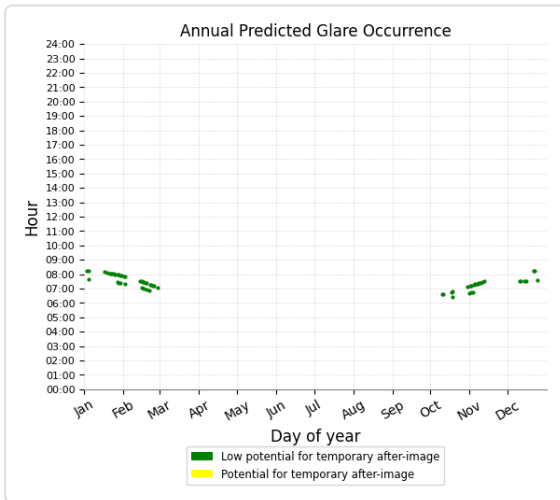
Main 1d and OP 3

Yellow glare: none
 Green glare: 37 min.



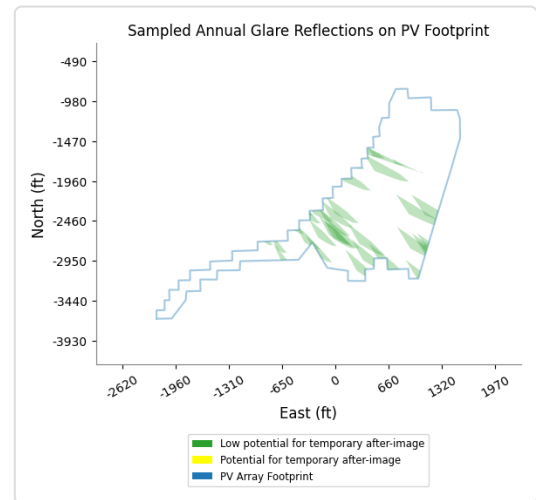
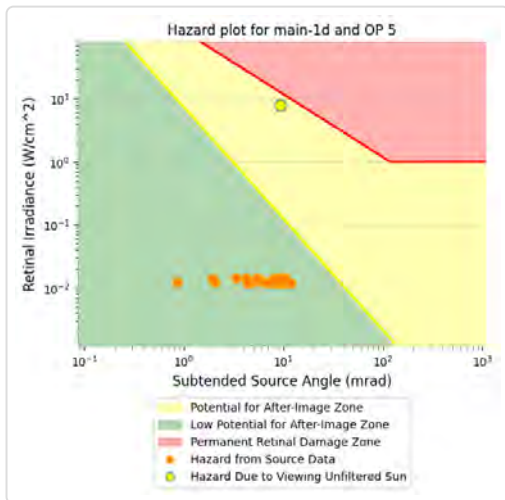
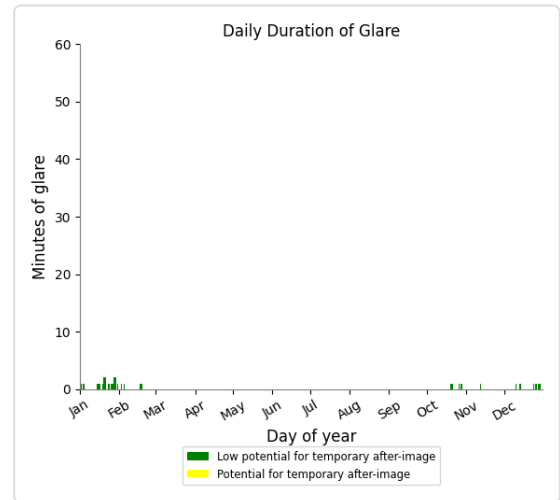
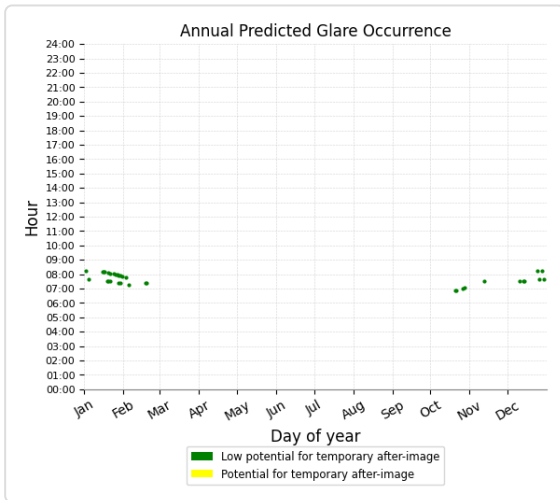
Main 1d and OP 4

Yellow glare: none
 Green glare: 61 min.



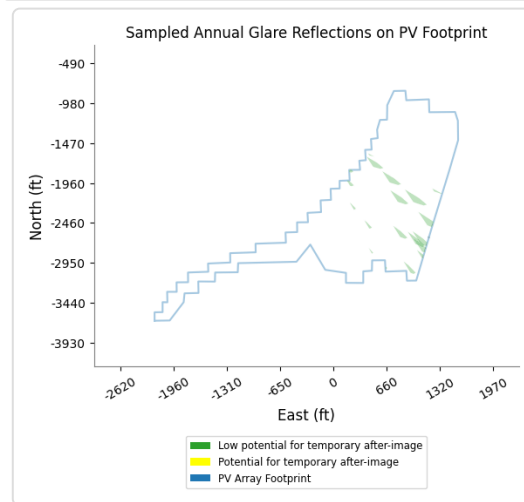
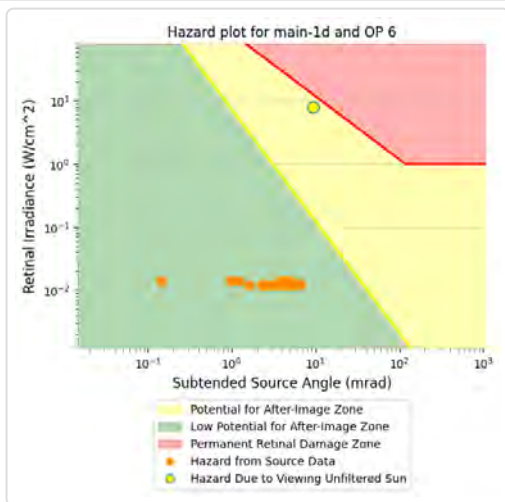
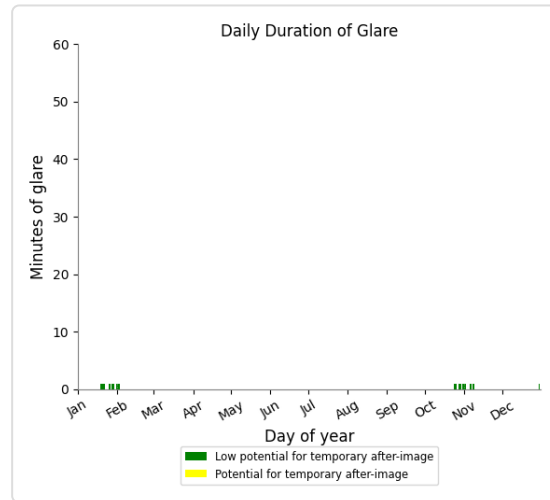
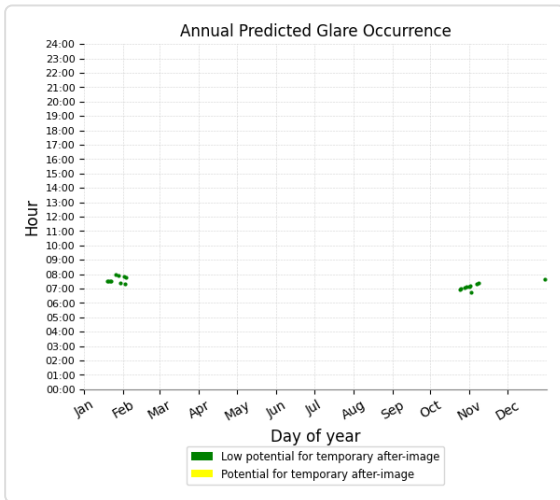
Main 1d and OP 5

Yellow glare: none
 Green glare: 34 min.



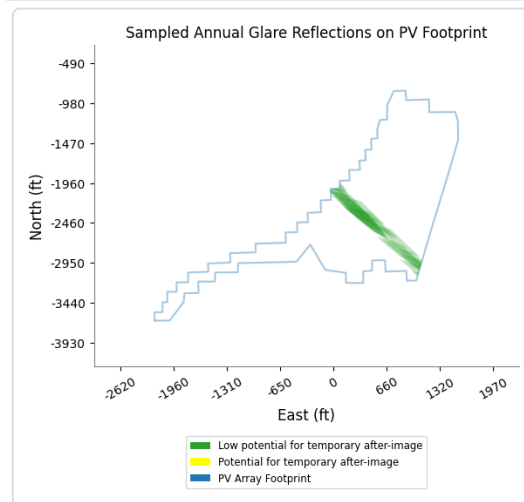
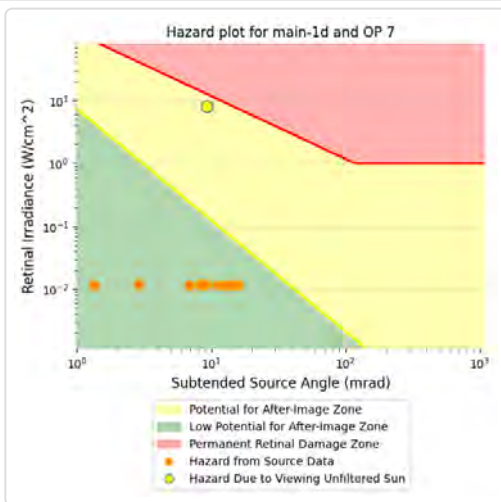
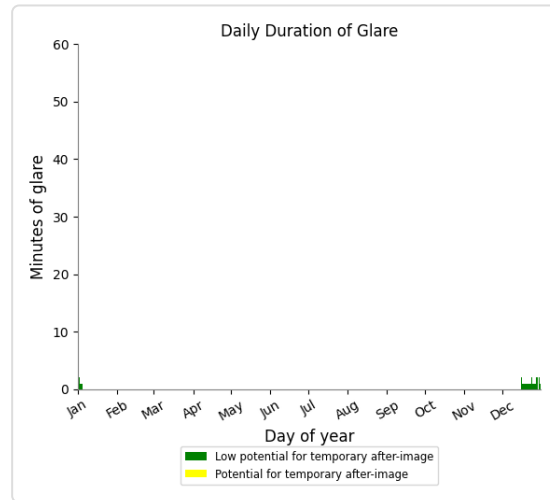
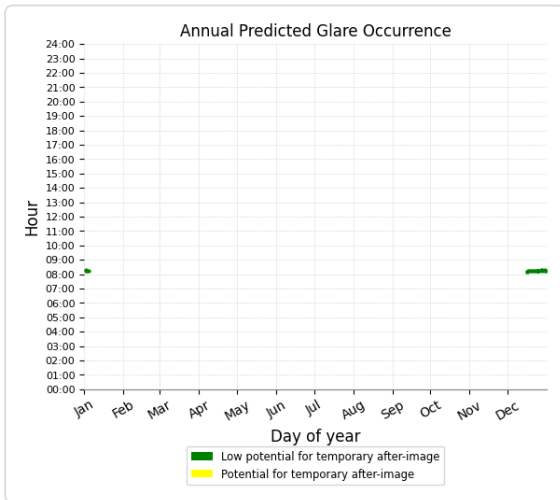
Main 1d and OP 6

Yellow glare: none
 Green glare: 20 min.



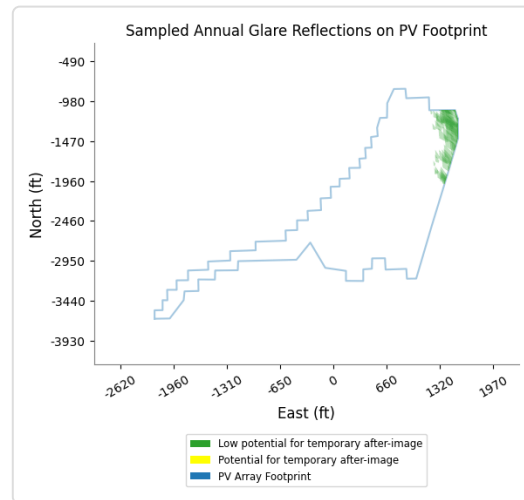
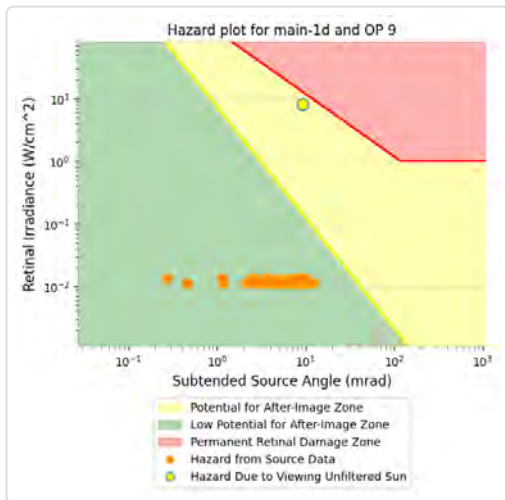
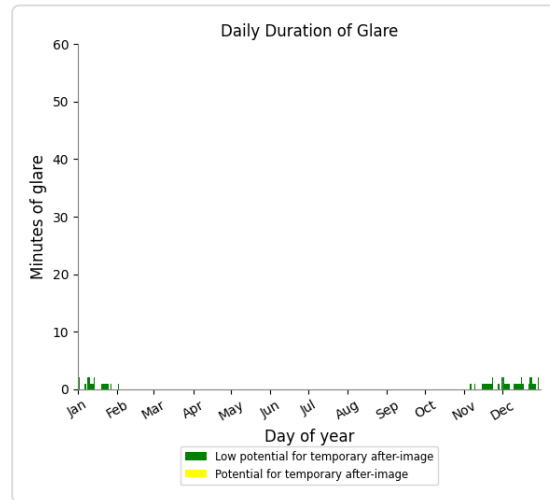
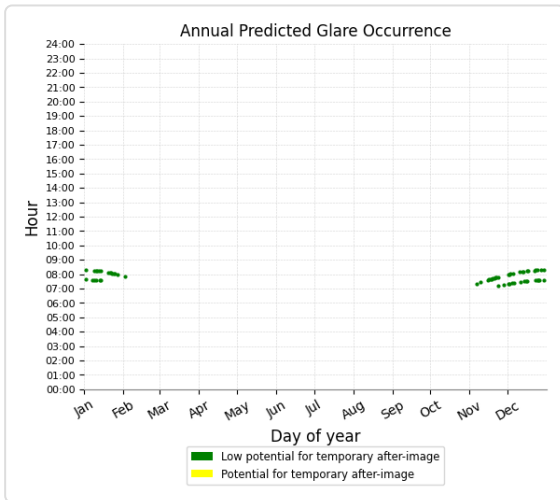
Main 1d and OP 7

Yellow glare: none
 Green glare: 23 min.



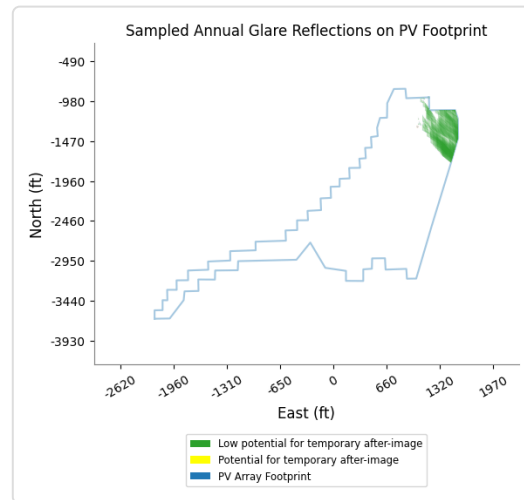
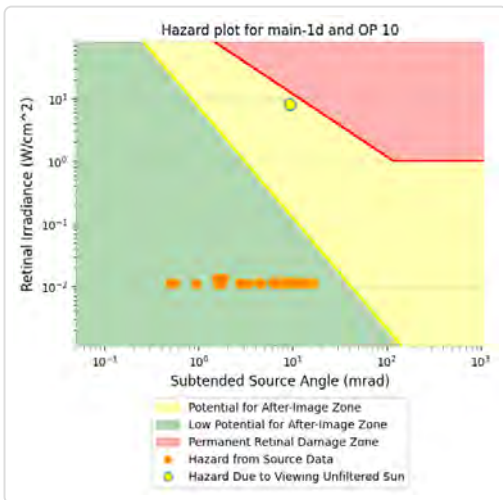
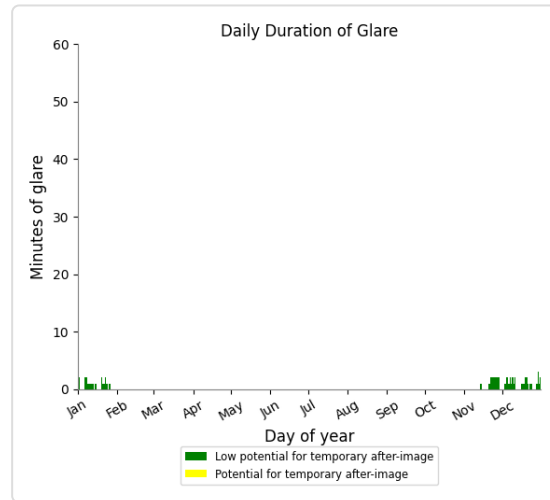
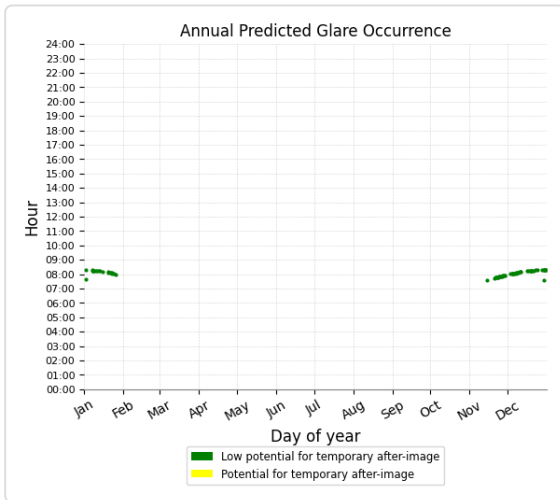
Main 1d and OP 9

Yellow glare: none
 Green glare: 60 min.



Main 1d and OP 10

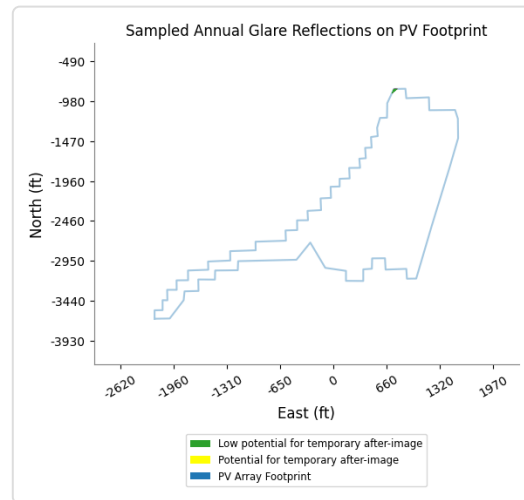
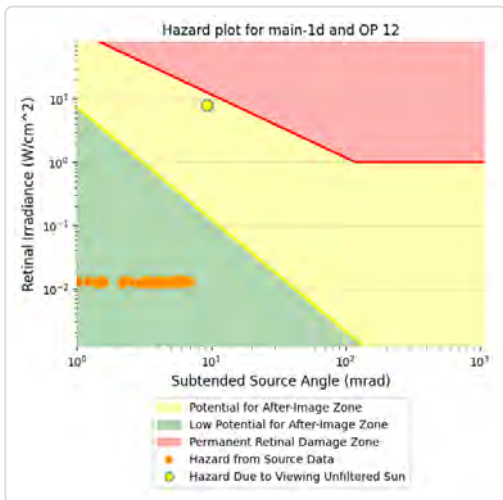
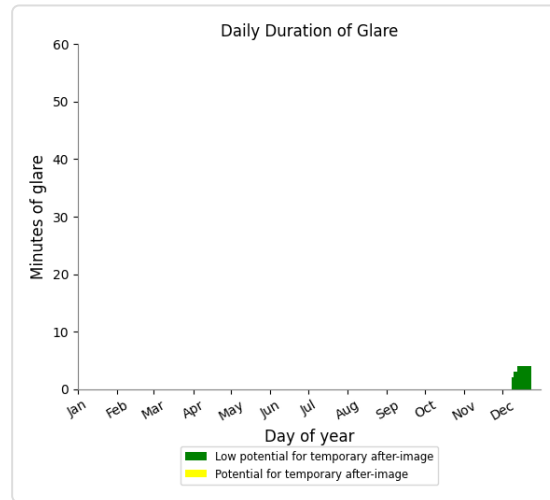
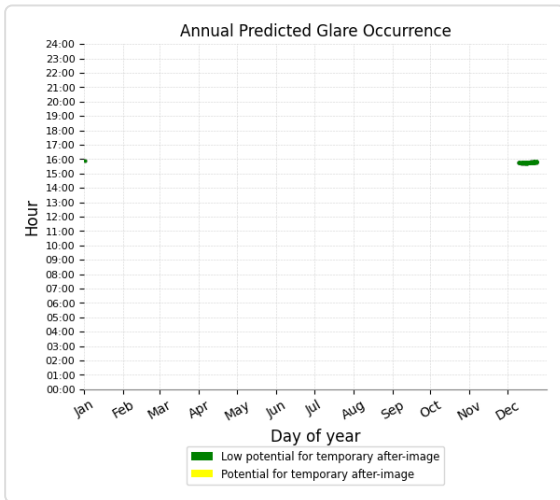
Yellow glare: none
 Green glare: 68 min.



Main 1d and OP 12

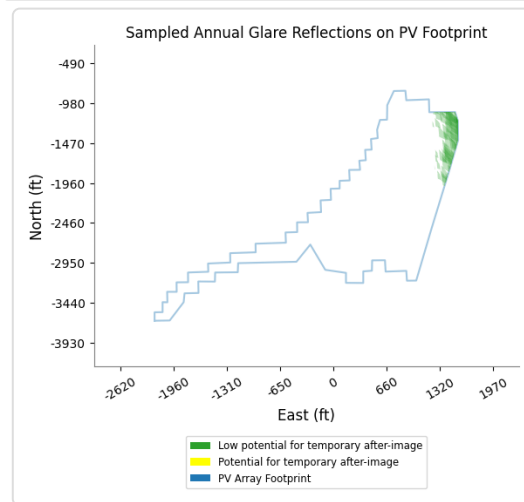
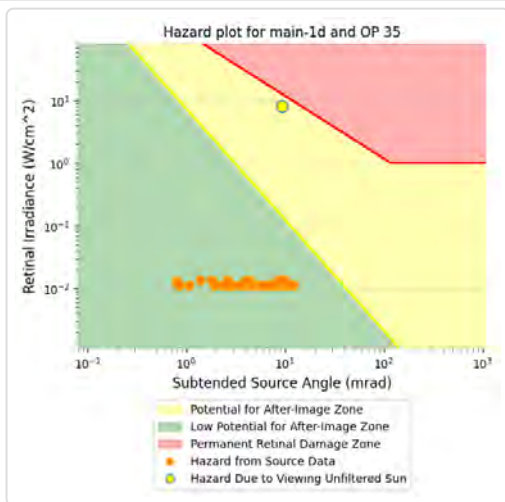
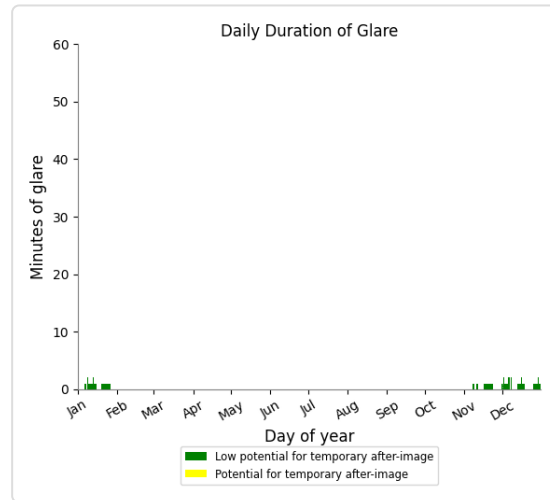
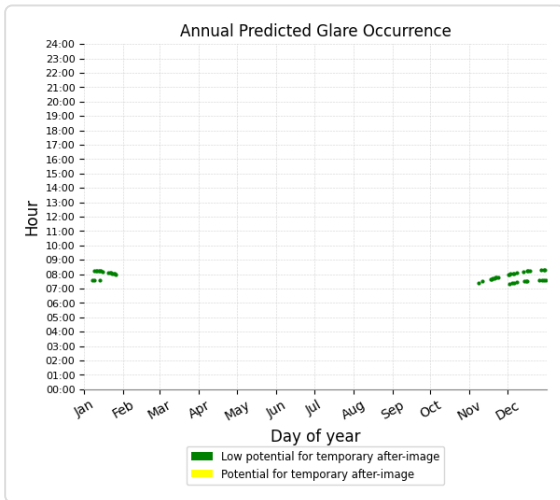
Yellow glare: none

Green glare: 56 min.



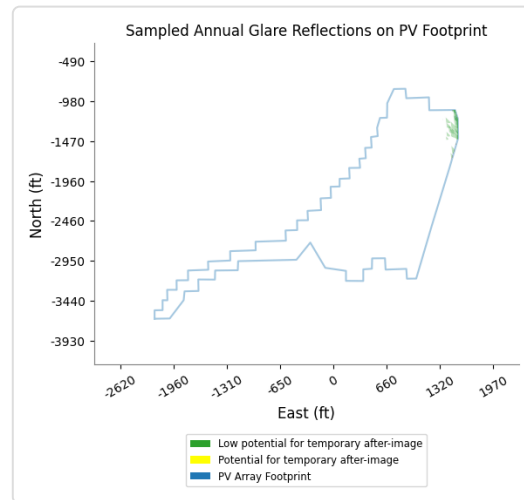
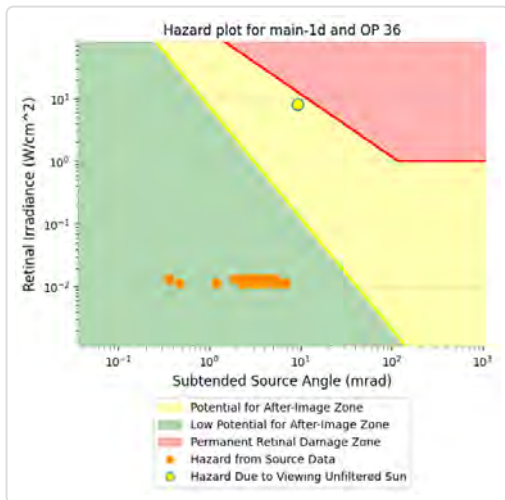
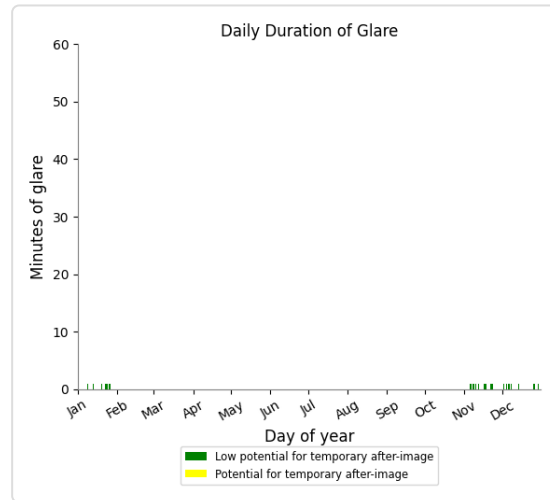
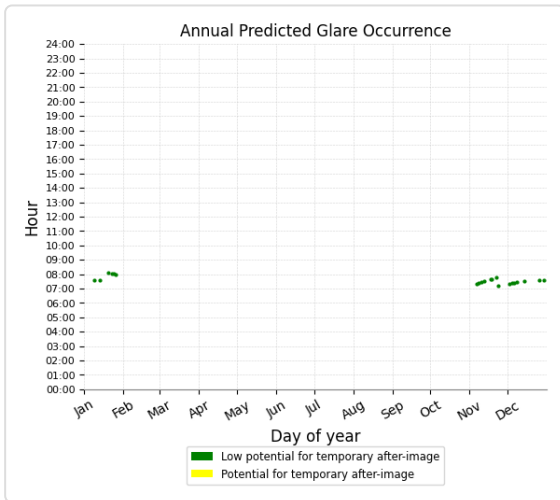
Main 1d and OP 35

Yellow glare: none
 Green glare: 50 min.



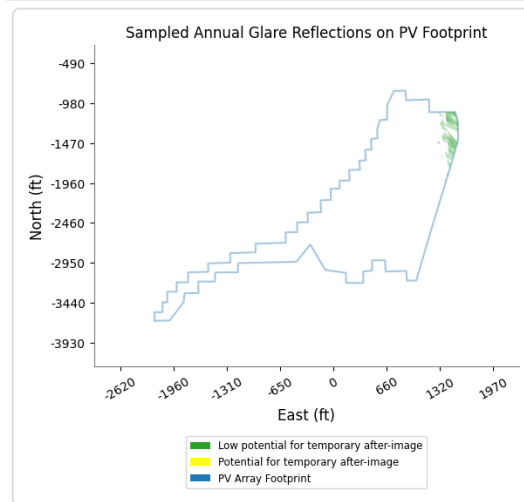
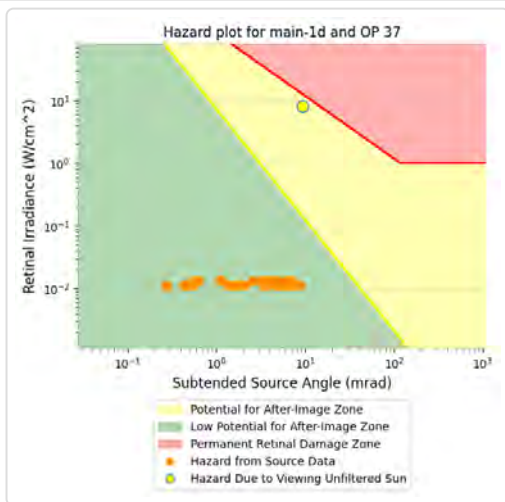
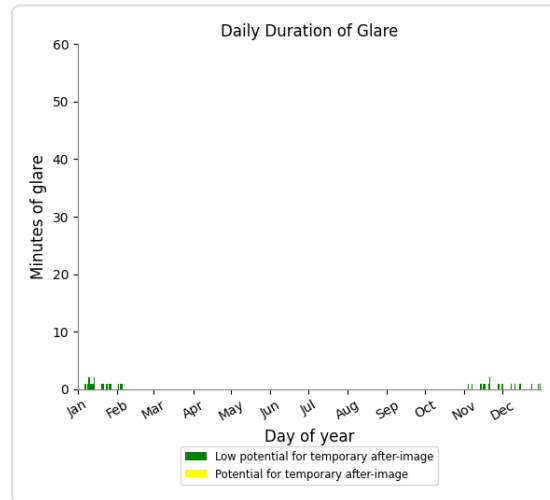
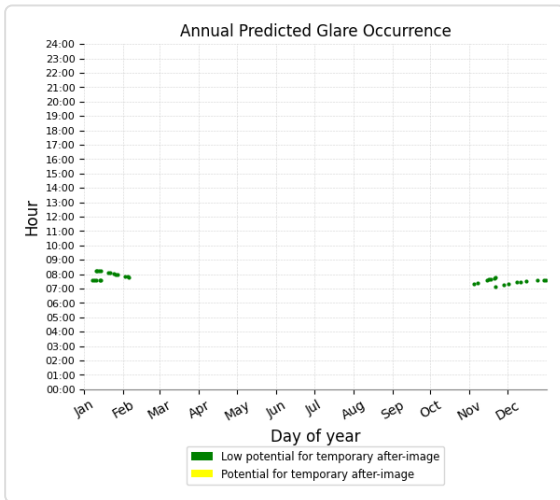
Main 1d and OP 36

Yellow glare: none
 Green glare: 21 min.



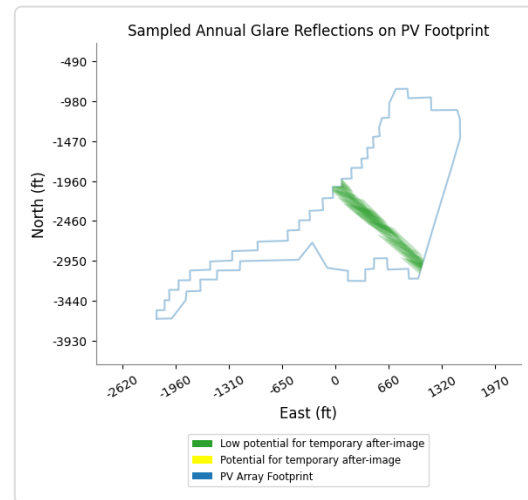
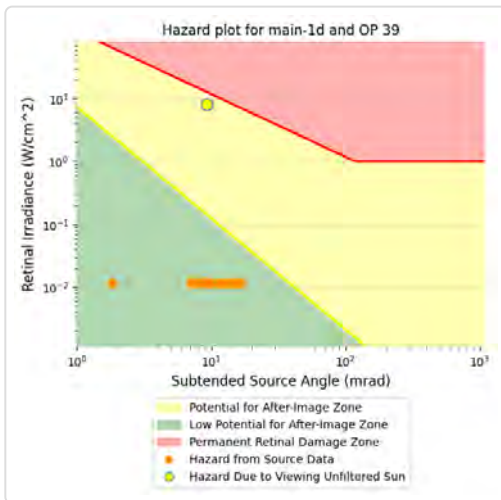
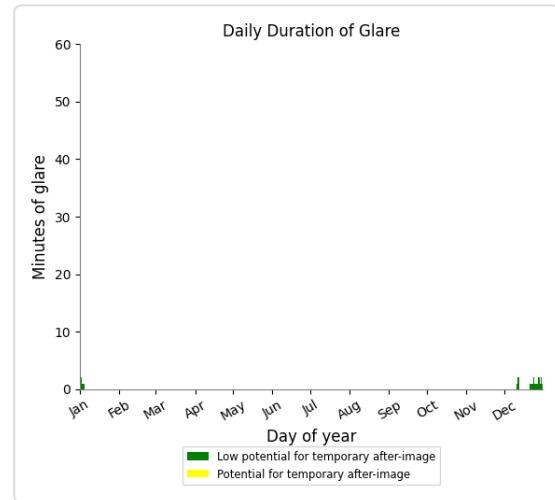
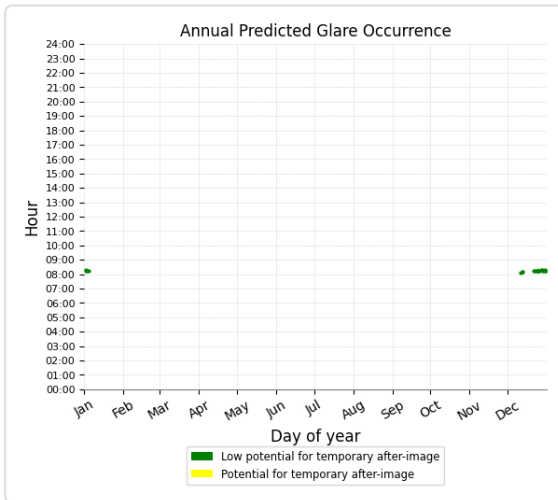
Main 1d and OP 37

Yellow glare: none
 Green glare: 33 min.



Main 1d and OP 39

Yellow glare: none
Green glare: 21 min.



Main 1d and OP 1

No glare found

Main 1d and OP 2

No glare found

Main 1d and OP 8

No glare found

Main 1d and OP 11

No glare found

Main 1d and OP 13

No glare found

Main 1d and OP 14

No glare found

Main 1d and OP 15

No glare found

Main 1d and OP 16

No glare found

Main 1d and OP 17

No glare found

Main 1d and OP 18

No glare found

Main 1d and OP 19

No glare found

Main 1d and OP 20

No glare found

Main 1d and OP 21

No glare found

Main 1d and OP 22

No glare found

Main 1d and OP 23

No glare found

Main 1d and OP 24

No glare found

Main 1d and OP 25

No glare found

Main 1d and OP 26

No glare found

Main 1d and OP 27

No glare found

Main 1d and OP 28

No glare found

Main 1d and OP 29

No glare found

Main 1d and OP 30

No glare found

Main 1d and OP 31

No glare found

Main 1d and OP 32

No glare found

Main 1d and OP 33

No glare found

Main 1d and OP 34

No glare found

Main 1d and OP 38

No glare found

PV: Main 2a low potential for temporary after-image

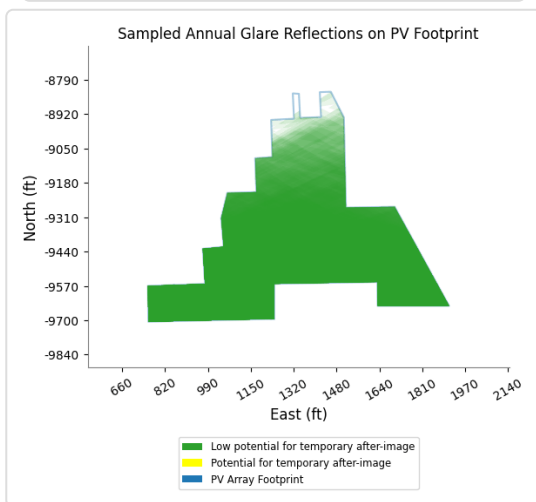
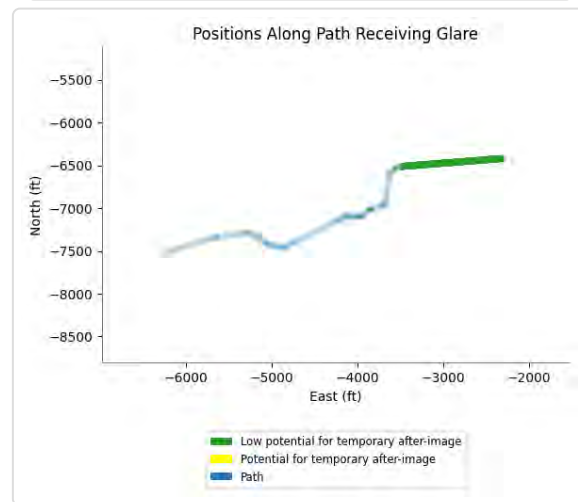
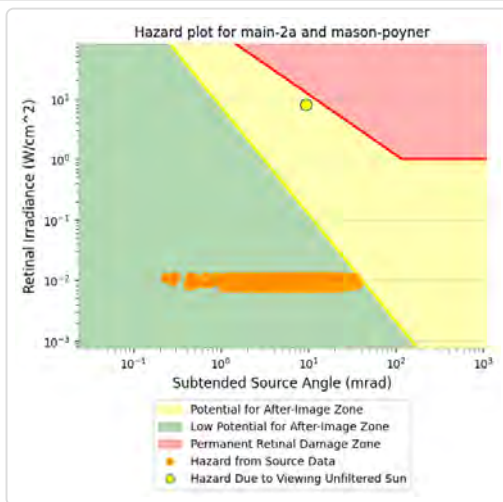
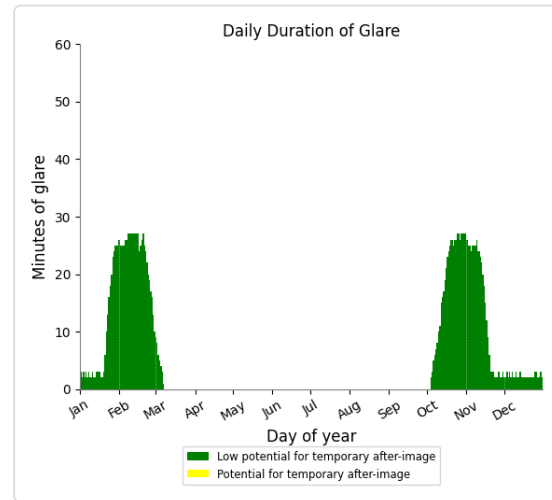
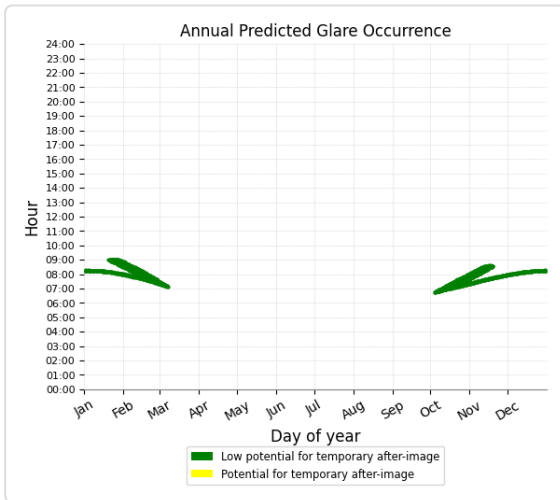
Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Mason-Poyner Rd	2,009	33.5	0	0.0
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
SR-949	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 19	852	14.2	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

Main 2a and Route: Mason-Poyner Rd

Yellow glare: none
Green glare: 2,009 min.



Main 2a and Route: Forgy Mill Rd

No glare found

Main 2a and Route: Free Ln

No glare found

Main 2a and Route: Pendley Mill Rd

No glare found

Main 2a and Route: SR-949

No glare found

Main 2a and Route: US-431

No glare found

Main 2a and FP: Bowling Green Regional 1

No glare found

Main 2a and FP: Bowling Green Regional 2

No glare found

Main 2a and FP: Bowling Green Regional 3

No glare found

Main 2a and FP: Bowling Green Regional 4

No glare found

Main 2a and FP: Muhlenberg County Airport 1

No glare found

Main 2a and FP: Muhlenberg County Airport 2

No glare found

Main 2a and FP: Russellville-Logan Airport 1

No glare found

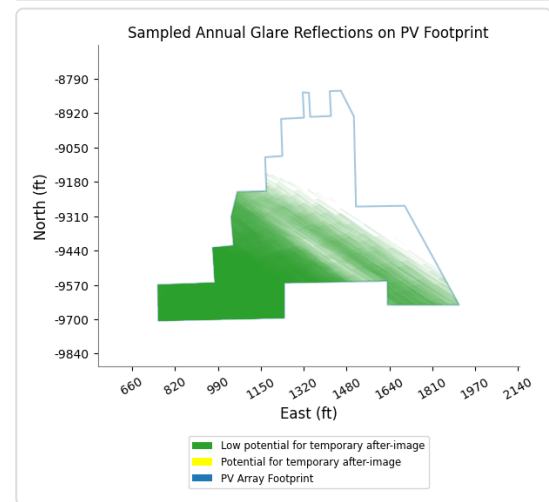
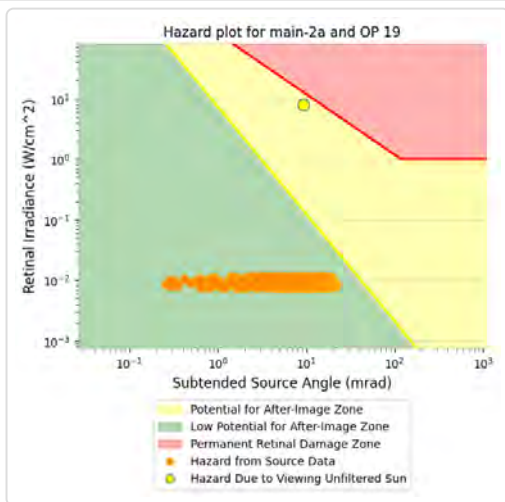
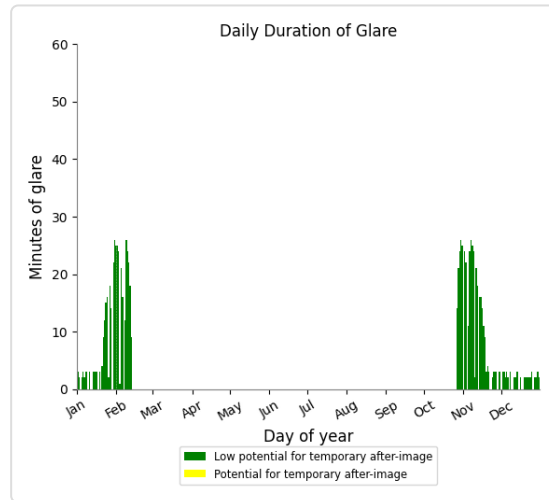
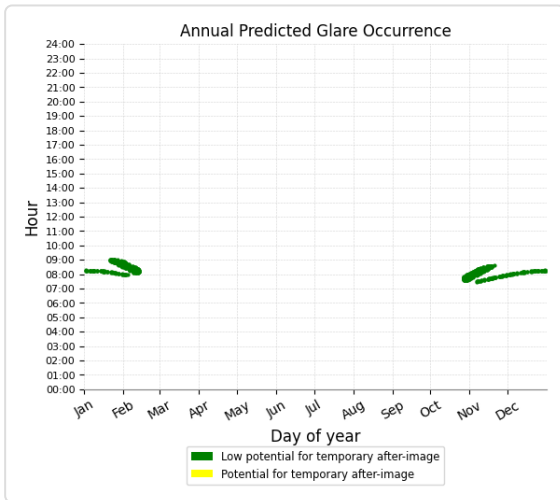
Main 2a and FP: Russellville-Logan Airport 2

No glare found

Main 2a and OP 19

Yellow glare: none

Green glare: 852 min.



Main 2a and OP 1

No glare found

Main 2a and OP 2

No glare found

Main 2a and OP 3

No glare found

Main 2a and OP 4

No glare found

Main 2a and OP 5

No glare found

Main 2a and OP 6

No glare found

Main 2a and OP 7

No glare found

Main 2a and OP 8

No glare found

Main 2a and OP 9

No glare found

Main 2a and OP 10

No glare found

Main 2a and OP 11

No glare found

Main 2a and OP 12

No glare found

Main 2a and OP 13

No glare found

Main 2a and OP 14

No glare found

Main 2a and OP 15

No glare found

Main 2a and OP 16

No glare found

Main 2a and OP 17

No glare found

Main 2a and OP 18

No glare found

Main 2a and OP 20

No glare found

Main 2a and OP 21

No glare found

Main 2a and OP 22

No glare found

Main 2a and OP 23

No glare found

Main 2a and OP 24

No glare found

Main 2a and OP 25

No glare found

Main 2a and OP 26

No glare found

Main 2a and OP 27

No glare found

Main 2a and OP 28

No glare found

Main 2a and OP 29

No glare found

Main 2a and OP 30

No glare found

Main 2a and OP 31

No glare found

Main 2a and OP 32

No glare found

Main 2a and OP 33

No glare found

Main 2a and OP 34

No glare found

Main 2a and OP 35

No glare found

Main 2a and OP 36

No glare found

Main 2a and OP 37

No glare found

Main 2a and OP 38

No glare found

Main 2a and OP 39

No glare found

PV: Main 2c1 low potential for temporary after-image

Receptor results ordered by category of glare

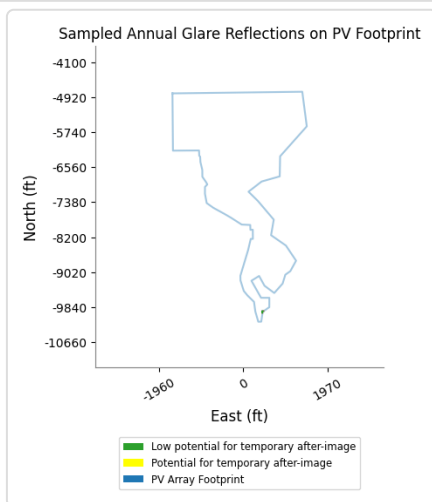
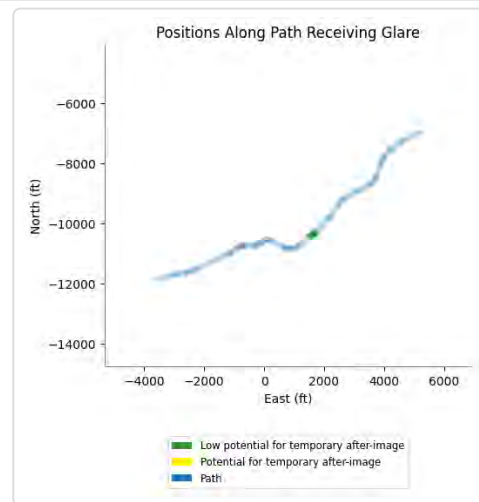
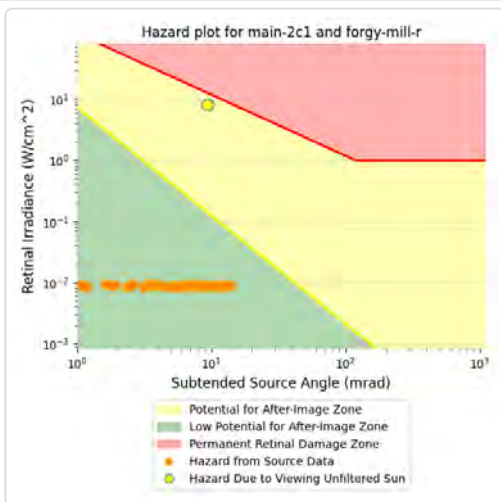
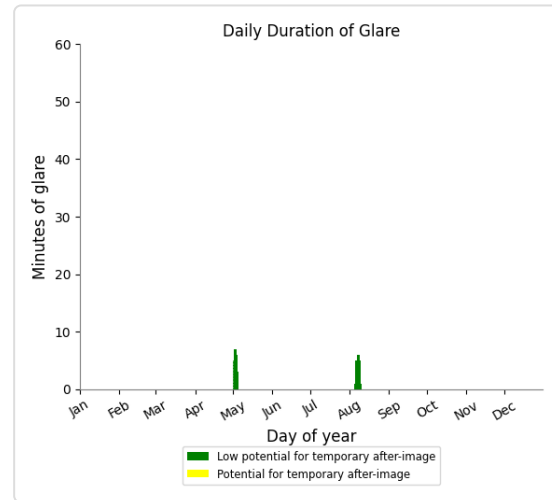
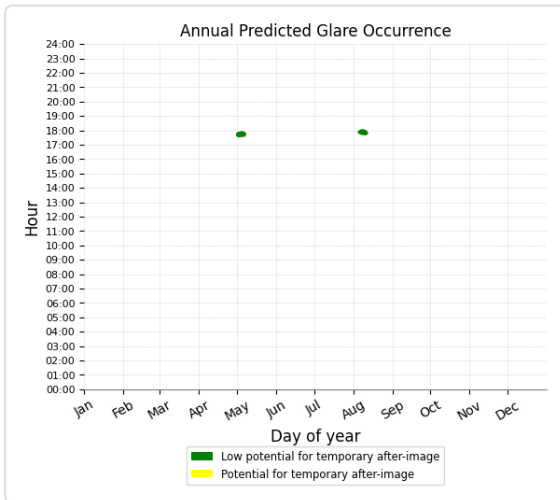
Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Forgy Mill Rd	52	0.9	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
SR-949	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

Main 2c1 and Route: Forgy Mill Rd

Yellow glare: none

Green glare: 52 min.



Main 2c1 and Route: Free Ln

No glare found

Main 2c1 and Route: Mason-Poyner Rd

No glare found

Main 2c1 and Route: Pendley Mill Rd

No glare found

Main 2c1 and Route: SR-949

No glare found

Main 2c1 and Route: US-431

No glare found

Main 2c1 and FP: Bowling Green Regional 1

No glare found

Main 2c1 and FP: Bowling Green Regional 2

No glare found

Main 2c1 and FP: Bowling Green Regional 3

No glare found

Main 2c1 and FP: Bowling Green Regional 4

No glare found

Main 2c1 and FP: Muhlenberg County Airport 1

No glare found

Main 2c1 and FP: Muhlenberg County Airport 2

No glare found

Main 2c1 and FP: Russellville-Logan Airport 1

No glare found

Main 2c1 and FP: Russellville-Logan Airport 2

No glare found

Main 2c1 and OP 1

No glare found

Main 2c1 and OP 2

No glare found

Main 2c1 and OP 3

No glare found

Main 2c1 and OP 4

No glare found

Main 2c1 and OP 5

No glare found

Main 2c1 and OP 6

No glare found

Main 2c1 and OP 7

No glare found

Main 2c1 and OP 8

No glare found

Main 2c1 and OP 9

No glare found

Main 2c1 and OP 10

No glare found

Main 2c1 and OP 11

No glare found

Main 2c1 and OP 12

No glare found

Main 2c1 and OP 13

No glare found

Main 2c1 and OP 14

No glare found

Main 2c1 and OP 15

No glare found

Main 2c1 and OP 16

No glare found

Main 2c1 and OP 17

No glare found

Main 2c1 and OP 18

No glare found

Main 2c1 and OP 19

No glare found

Main 2c1 and OP 20

No glare found

Main 2c1 and OP 21

No glare found

Main 2c1 and OP 22

No glare found

Main 2c1 and OP 23

No glare found

Main 2c1 and OP 24

No glare found

Main 2c1 and OP 25

No glare found

Main 2c1 and OP 26

No glare found

Main 2c1 and OP 27

No glare found

Main 2c1 and OP 28

No glare found

Main 2c1 and OP 29

No glare found

Main 2c1 and OP 30

No glare found

Main 2c1 and OP 31

No glare found

Main 2c1 and OP 32

No glare found

Main 2c1 and OP 33

No glare found

Main 2c1 and OP 34

No glare found

Main 2c1 and OP 35

No glare found

Main 2c1 and OP 36

No glare found

Main 2c1 and OP 37

No glare found

Main 2c1 and OP 38

No glare found

Main 2c1 and OP 39

No glare found

PV: Main 2c2 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
SR-949	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

Main 2c2 and Route: Forgy Mill Rd

No glare found

Main 2c2 and Route: Free Ln

No glare found

Main 2c2 and Route: Mason-Poyner Rd

No glare found

Main 2c2 and Route: Pendley Mill Rd

No glare found

Main 2c2 and Route: SR-949

No glare found

Main 2c2 and Route: US-431

No glare found

Main 2c2 and FP: Bowling Green Regional 1

No glare found

Main 2c2 and FP: Bowling Green Regional 2

No glare found

Main 2c2 and FP: Bowling Green Regional 3

No glare found

Main 2c2 and FP: Bowling Green Regional 4

No glare found

Main 2c2 and FP: Muhlenberg County Airport 1

No glare found

Main 2c2 and FP: Muhlenberg County Airport 2

No glare found

Main 2c2 and FP: Russellville-Logan Airport 1

No glare found

Main 2c2 and FP: Russellville-Logan Airport 2

No glare found

Main 2c2 and OP 1

No glare found

Main 2c2 and OP 2

No glare found

Main 2c2 and OP 3

No glare found

Main 2c2 and OP 4

No glare found

Main 2c2 and OP 5

No glare found

Main 2c2 and OP 6

No glare found

Main 2c2 and OP 7

No glare found

Main 2c2 and OP 8

No glare found

Main 2c2 and OP 9

No glare found

Main 2c2 and OP 10

No glare found

Main 2c2 and OP 11

No glare found

Main 2c2 and OP 12

No glare found

Main 2c2 and OP 13

No glare found

Main 2c2 and OP 14

No glare found

Main 2c2 and OP 15

No glare found

Main 2c2 and OP 16

No glare found

Main 2c2 and OP 17

No glare found

Main 2c2 and OP 18

No glare found

Main 2c2 and OP 19

No glare found

Main 2c2 and OP 20

No glare found

Main 2c2 and OP 21

No glare found

Main 2c2 and OP 22

No glare found

Main 2c2 and OP 23

No glare found

Main 2c2 and OP 24

No glare found

Main 2c2 and OP 25

No glare found

Main 2c2 and OP 26

No glare found

Main 2c2 and OP 27

No glare found

Main 2c2 and OP 28

No glare found

Main 2c2 and OP 29

No glare found

Main 2c2 and OP 30

No glare found

Main 2c2 and OP 31

No glare found

Main 2c2 and OP 32

No glare found

Main 2c2 and OP 33

No glare found

Main 2c2 and OP 34

No glare found

Main 2c2 and OP 35

No glare found

Main 2c2 and OP 36

No glare found

Main 2c2 and OP 37

No glare found

Main 2c2 and OP 38

No glare found

Main 2c2 and OP 39

No glare found

PV: Main 3a low potential for temporary after-image

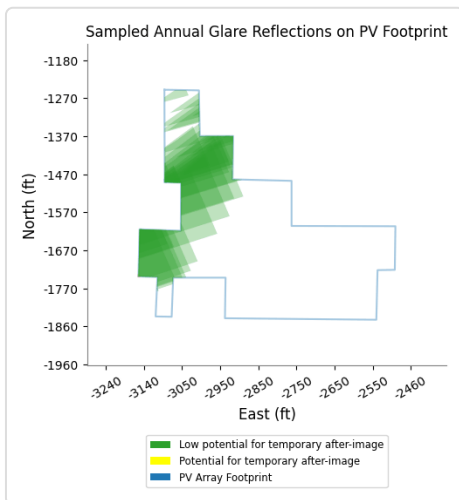
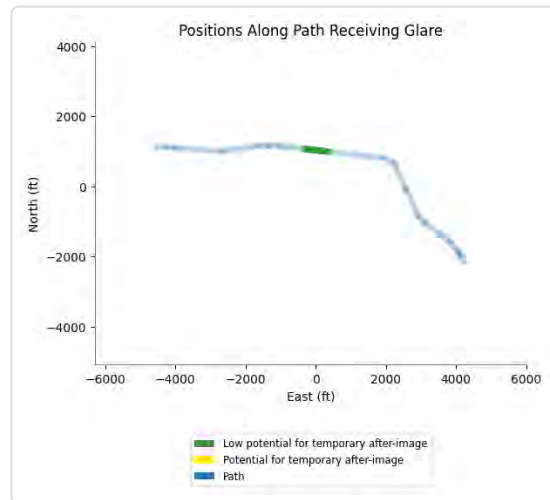
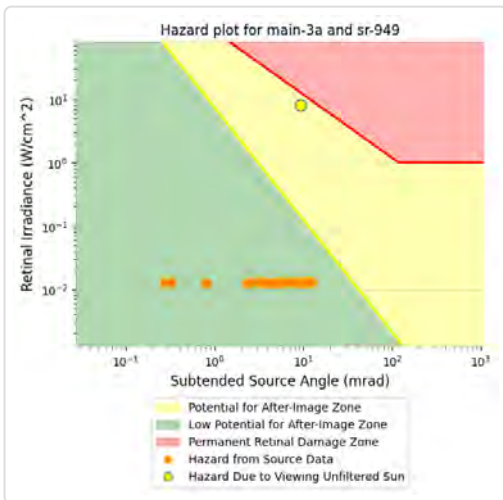
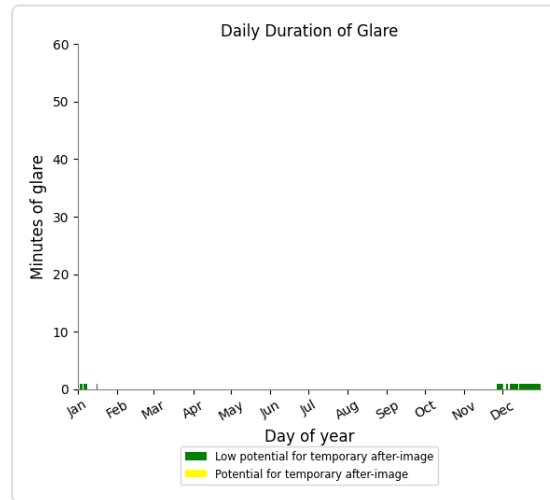
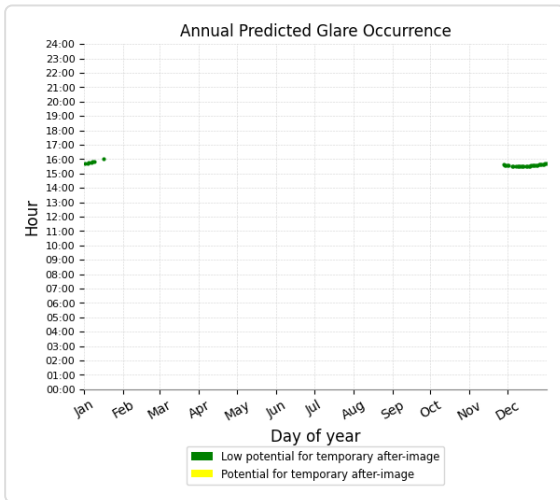
Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
SR-949	38	0.6	0	0.0
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 3	16	0.3	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

Main 3a and Route: SR-949

Yellow glare: none
 Green glare: 38 min.



Main 3a and Route: Forgy Mill Rd

No glare found

Main 3a and Route: Free Ln

No glare found

Main 3a and Route: Mason-Poyner Rd

No glare found

Main 3a and Route: Pendley Mill Rd

No glare found

Main 3a and Route: US-431

No glare found

Main 3a and FP: Bowling Green Regional 1

No glare found

Main 3a and FP: Bowling Green Regional 2

No glare found

Main 3a and FP: Bowling Green Regional 3

No glare found

Main 3a and FP: Bowling Green Regional 4

No glare found

Main 3a and FP: Muhlenberg County Airport 1

No glare found

Main 3a and FP: Muhlenberg County Airport 2

No glare found

Main 3a and FP: Russellville-Logan Airport 1

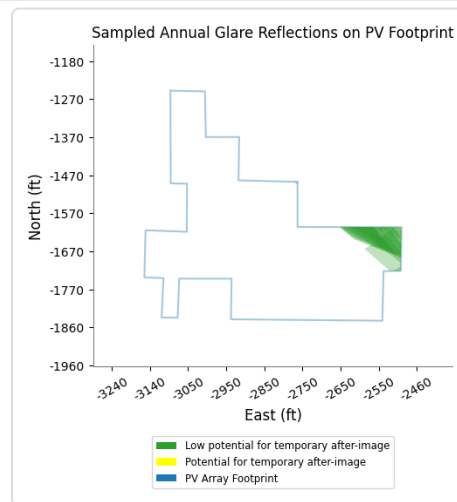
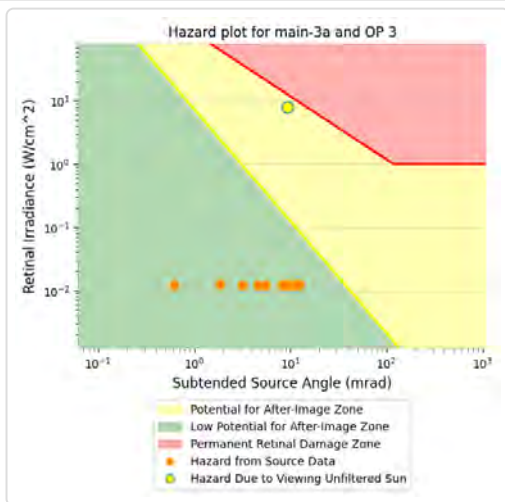
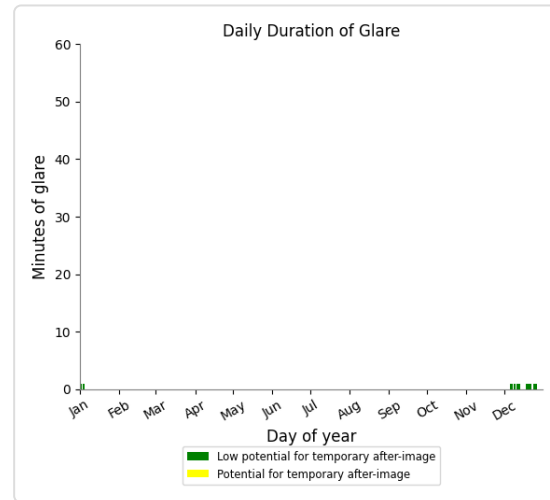
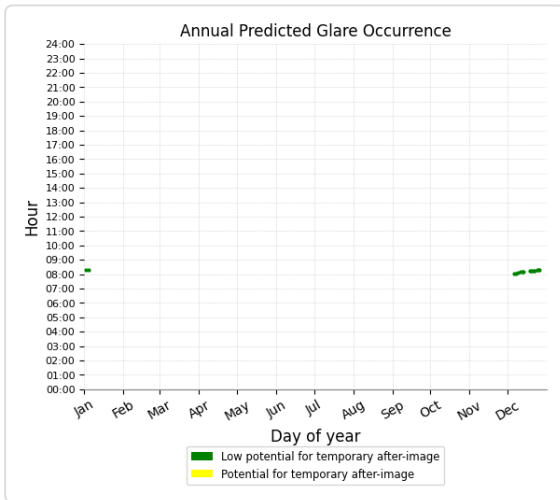
No glare found

Main 3a and FP: Russellville-Logan Airport 2

No glare found

Main 3a and OP 3

Yellow glare: none
Green glare: 16 min.



Main 3a and OP 1

No glare found

Main 3a and OP 2

No glare found

Main 3a and OP 4

No glare found

Main 3a and OP 5

No glare found

Main 3a and OP 6

No glare found

Main 3a and OP 7

No glare found

Main 3a and OP 8

No glare found

Main 3a and OP 9

No glare found

Main 3a and OP 10

No glare found

Main 3a and OP 11

No glare found

Main 3a and OP 12

No glare found

Main 3a and OP 13

No glare found

Main 3a and OP 14

No glare found

Main 3a and OP 15

No glare found

Main 3a and OP 16

No glare found

Main 3a and OP 17

No glare found

Main 3a and OP 18

No glare found

Main 3a and OP 19

No glare found

Main 3a and OP 20

No glare found

Main 3a and OP 21

No glare found

Main 3a and OP 22

No glare found

Main 3a and OP 23

No glare found

Main 3a and OP 24

No glare found

Main 3a and OP 25

No glare found

Main 3a and OP 26

No glare found

Main 3a and OP 27

No glare found

Main 3a and OP 28

No glare found

Main 3a and OP 29

No glare found

Main 3a and OP 30

No glare found

Main 3a and OP 31

No glare found

Main 3a and OP 32

No glare found

Main 3a and OP 33

No glare found

Main 3a and OP 34

No glare found

Main 3a and OP 35

No glare found

Main 3a and OP 36

No glare found

Main 3a and OP 37

No glare found

Main 3a and OP 38

No glare found

Main 3a and OP 39

No glare found

PV: Main 3b1 low potential for temporary after-image

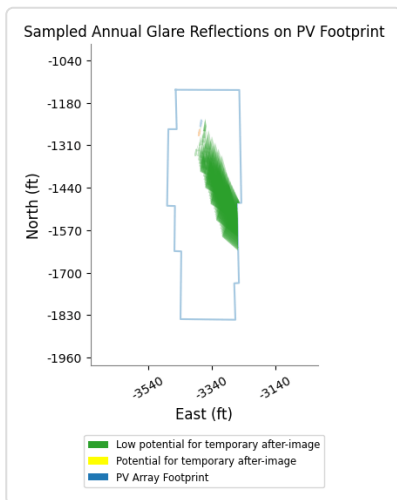
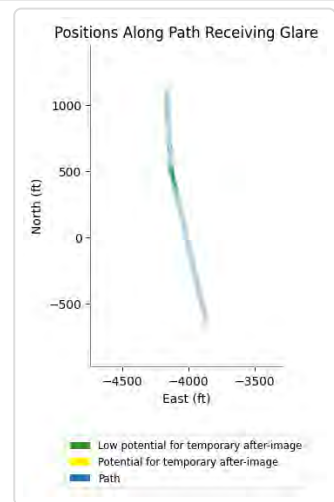
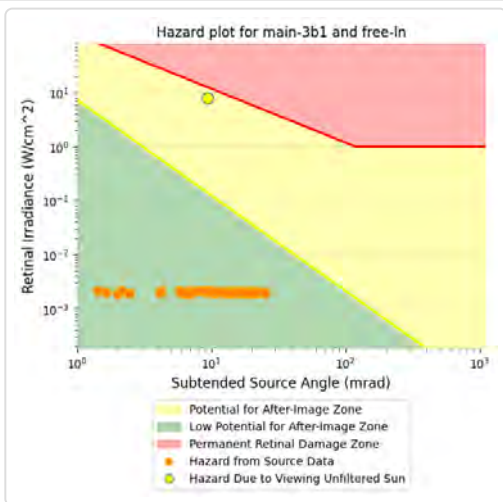
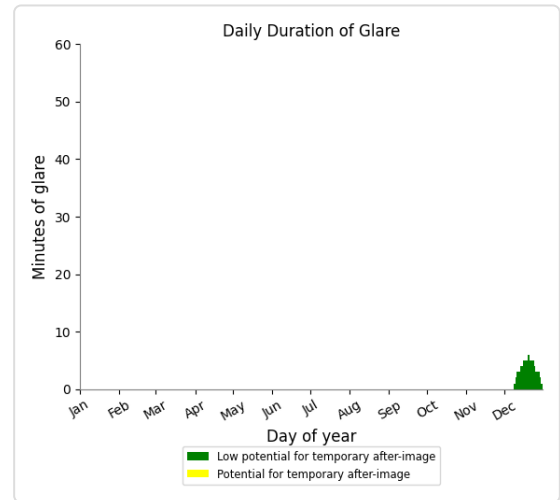
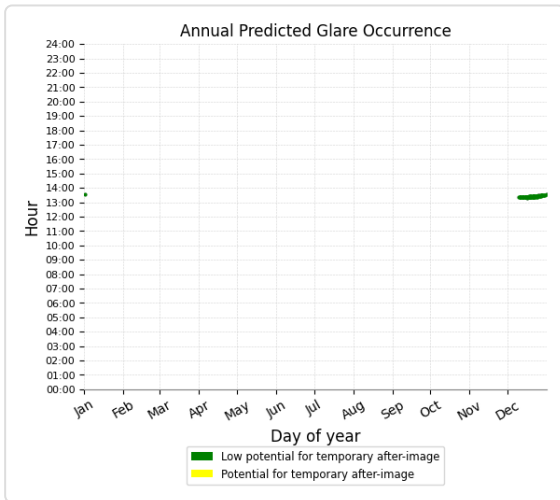
Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Free Ln	84	1.4	0	0.0
SR-949	371	6.2	0	0.0
Forgy Mill Rd	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 4	47	0.8	0	0.0
OP 8	44	0.7	0	0.0
OP 9	63	1.1	0	0.0
OP 10	60	1.0	0	0.0
OP 35	213	3.5	0	0.0
OP 36	386	6.4	0	0.0
OP 37	743	12.4	0	0.0
OP 38	74	1.2	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

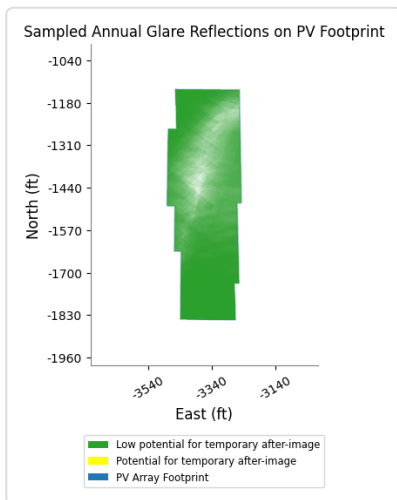
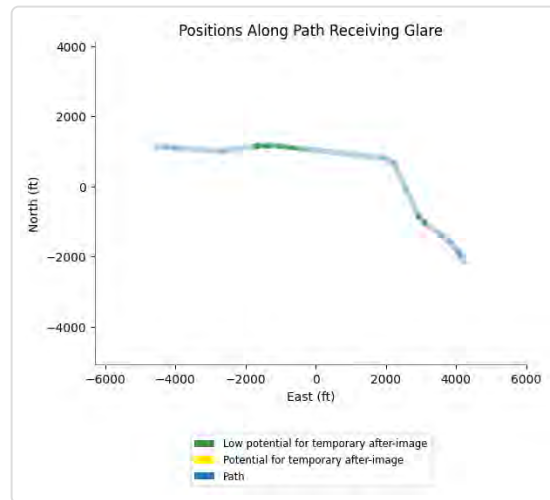
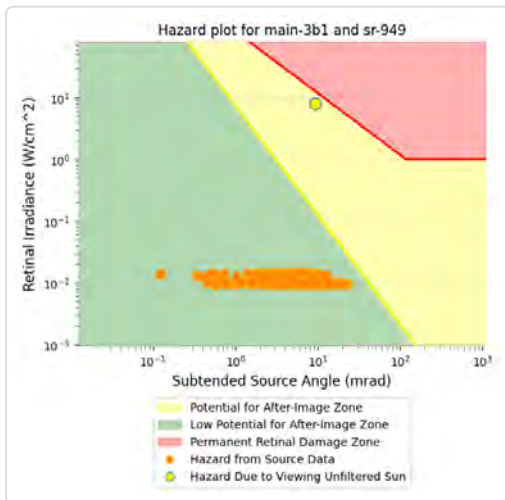
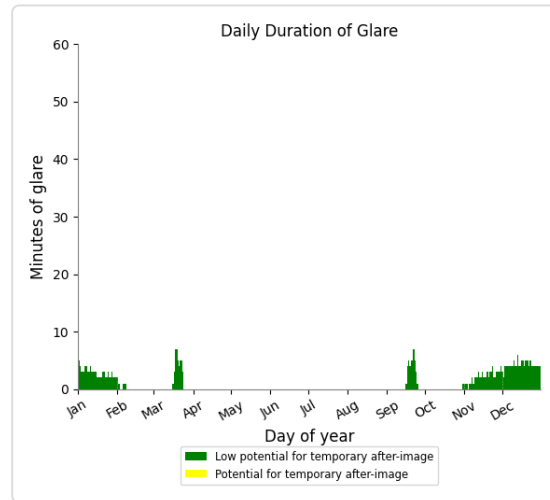
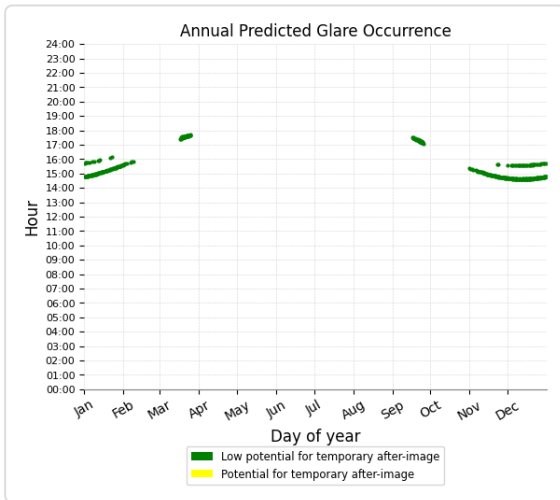
Main 3b1 and Route: Free Ln

Yellow glare: none
 Green glare: 84 min.



Main 3b1 and Route: SR-949

Yellow glare: none
Green glare: 371 min.



Main 3b1 and Route: Forge Mill Rd

No glare found

Main 3b1 and Route: Mason-Poyner Rd

No glare found

Main 3b1 and Route: Pendley Mill Rd

No glare found

Main 3b1 and Route: US-431

No glare found

Main 3b1 and FP: Bowling Green Regional 1

No glare found

Main 3b1 and FP: Bowling Green Regional 2

No glare found

Main 3b1 and FP: Bowling Green Regional 3

No glare found

Main 3b1 and FP: Bowling Green Regional 4

No glare found

Main 3b1 and FP: Muhlenberg County Airport 1

No glare found

Main 3b1 and FP: Muhlenberg County Airport 2

No glare found

Main 3b1 and FP: Russellville-Logan Airport 1

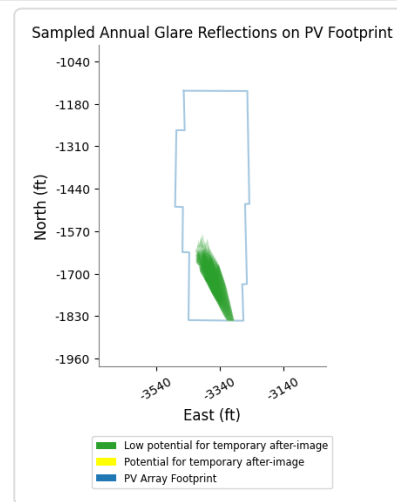
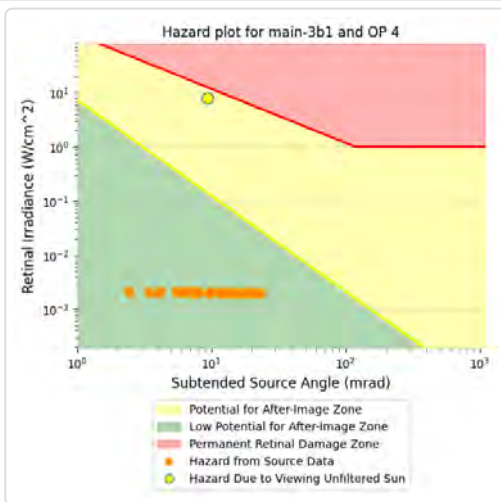
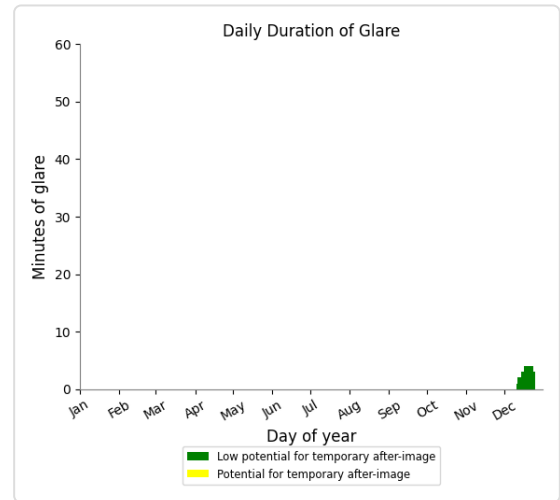
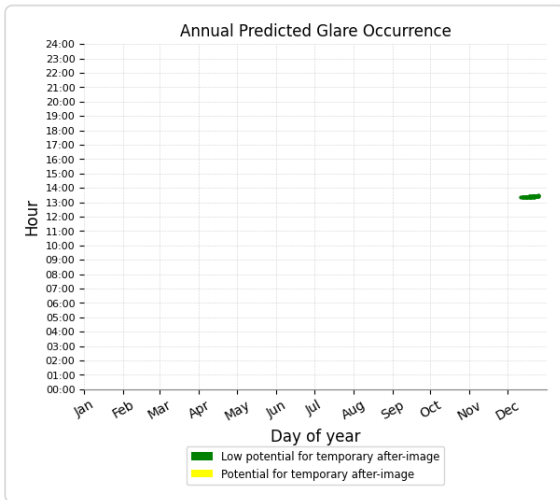
No glare found

Main 3b1 and FP: Russellville-Logan Airport 2

No glare found

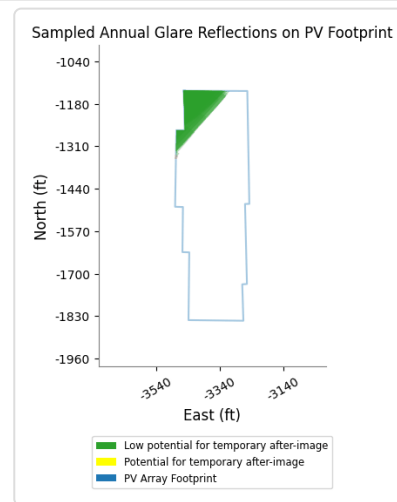
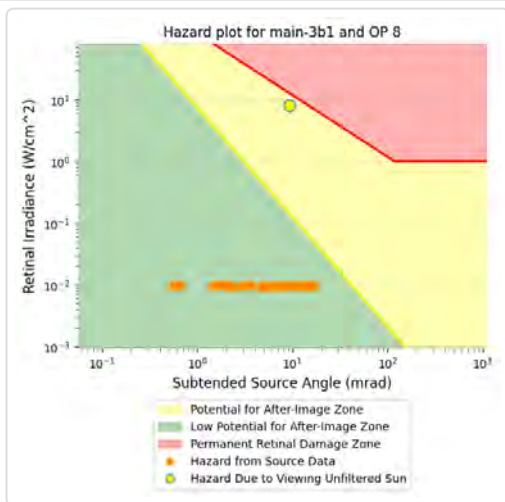
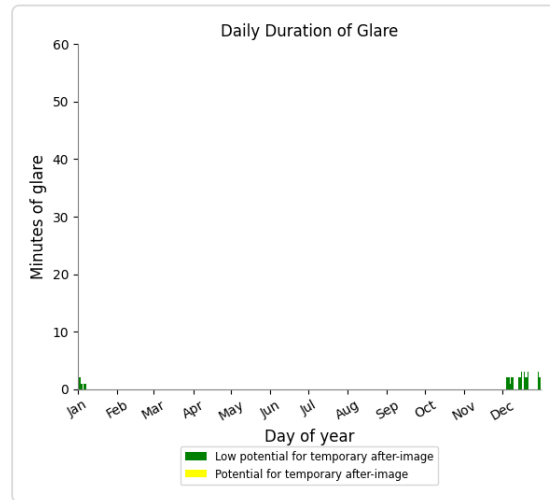
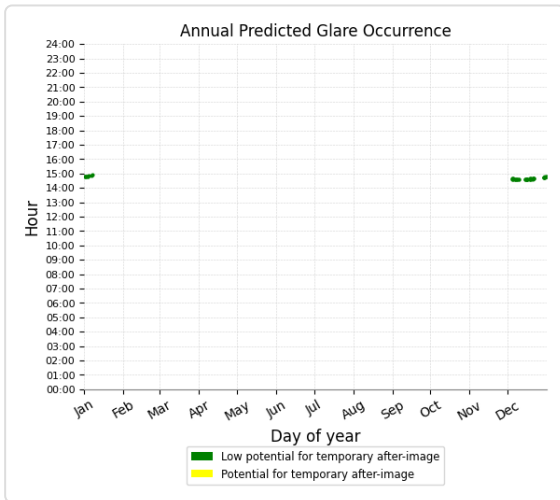
Main 3b1 and OP 4

Yellow glare: none
 Green glare: 47 min.



Main 3b1 and OP 8

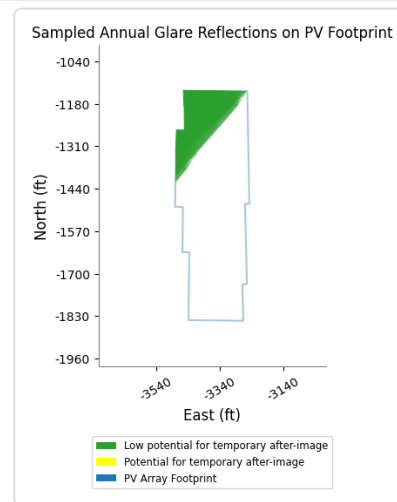
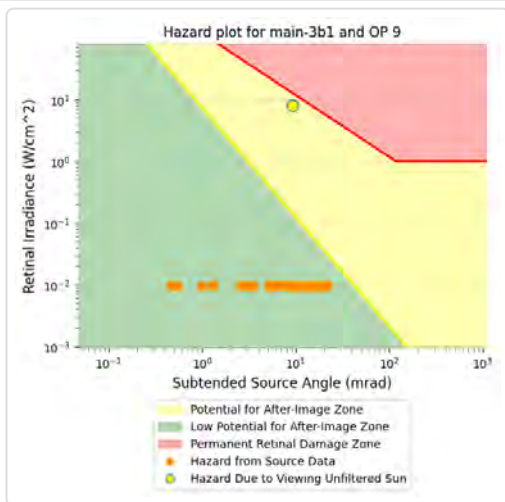
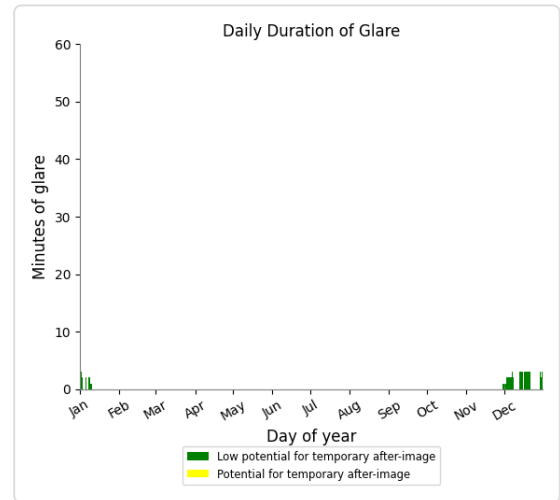
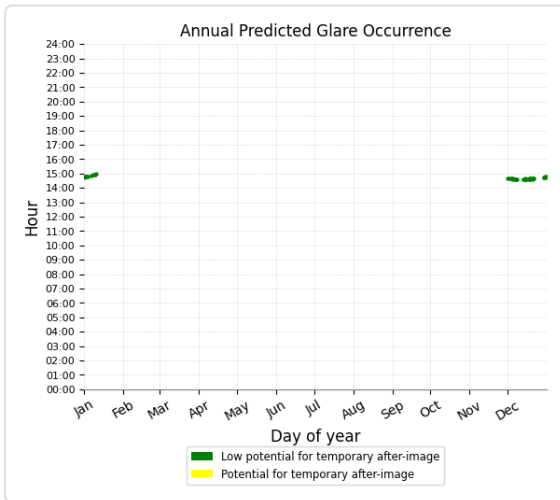
Yellow glare: none
 Green glare: 44 min.



Main 3b1 and OP 9

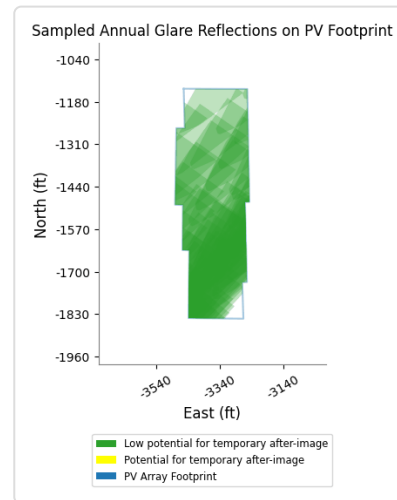
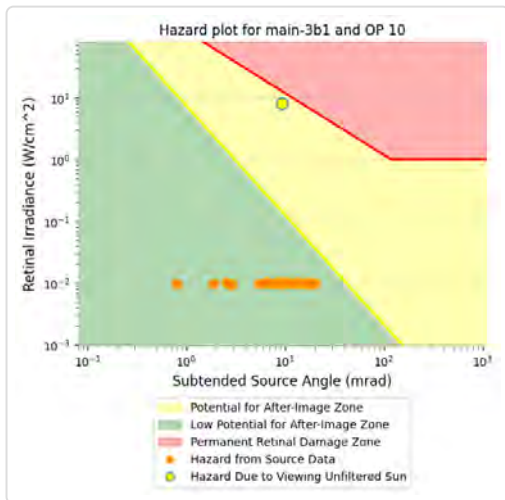
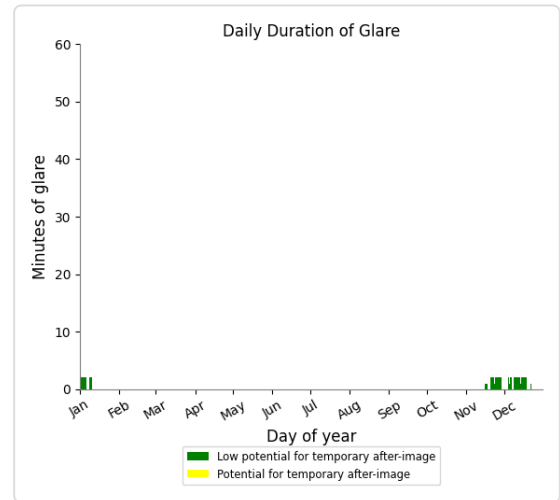
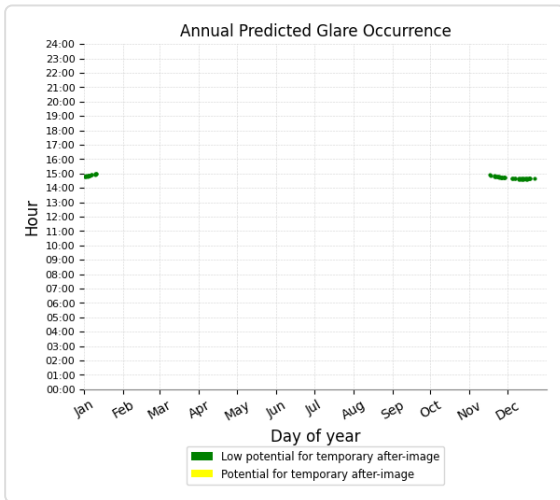
Yellow glare: none

Green glare: 63 min.



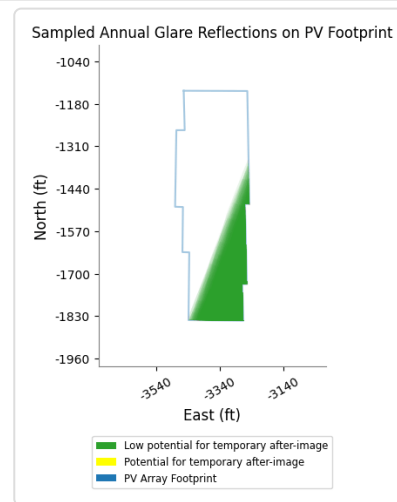
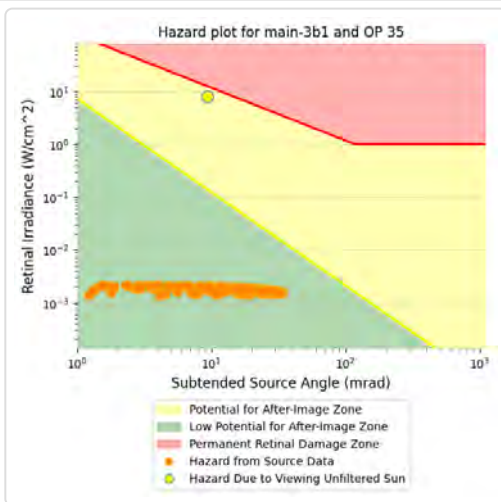
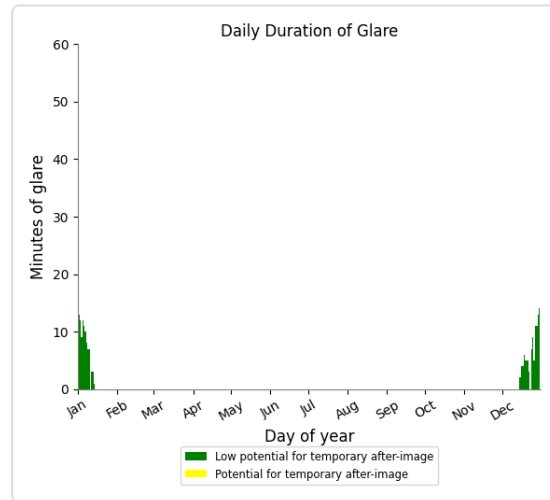
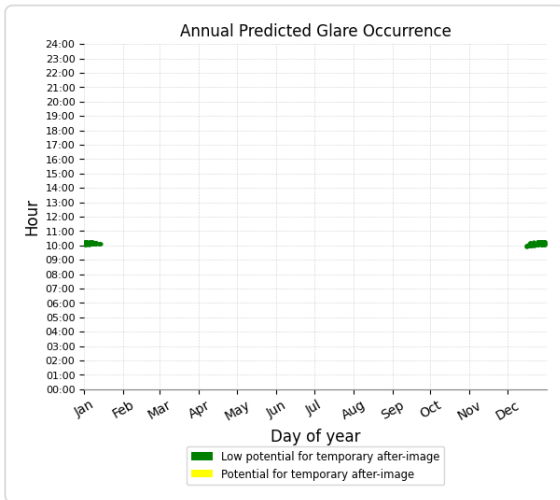
Main 3b1 and OP 10

Yellow glare: none
 Green glare: 60 min.



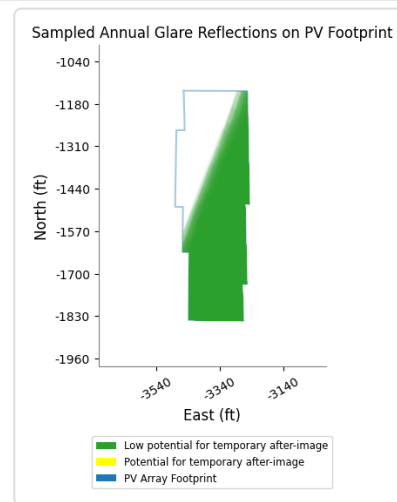
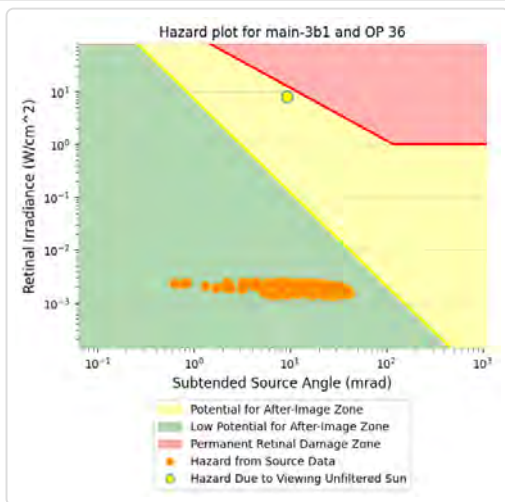
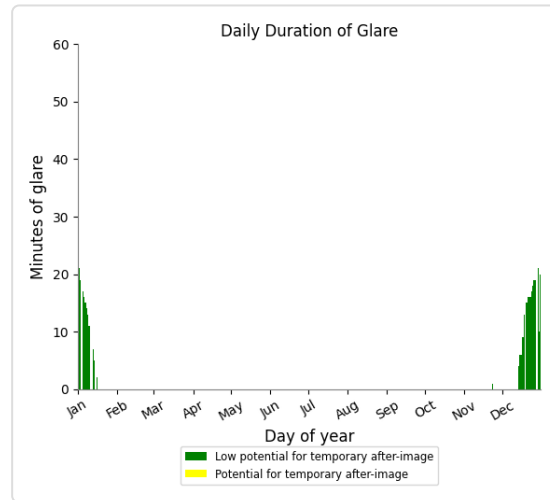
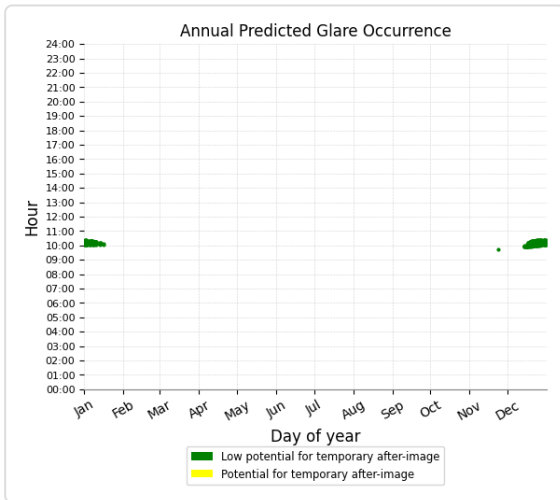
Main 3b1 and OP 35

Yellow glare: none
 Green glare: 213 min.



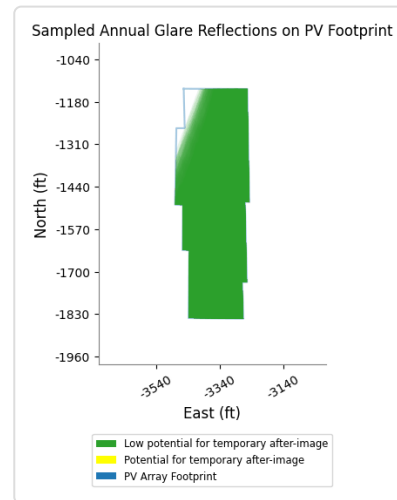
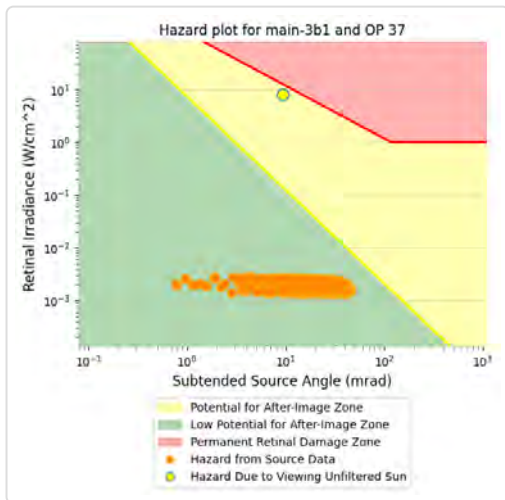
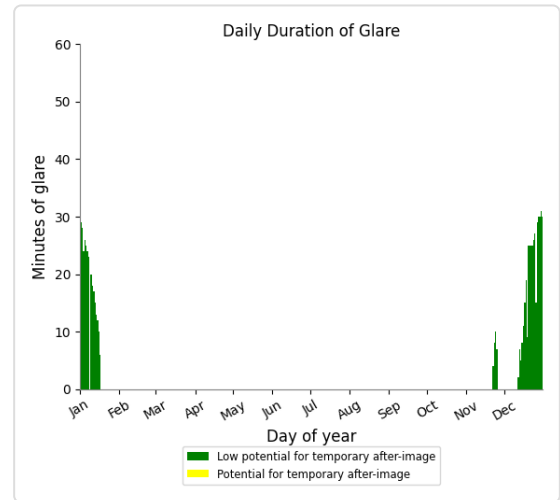
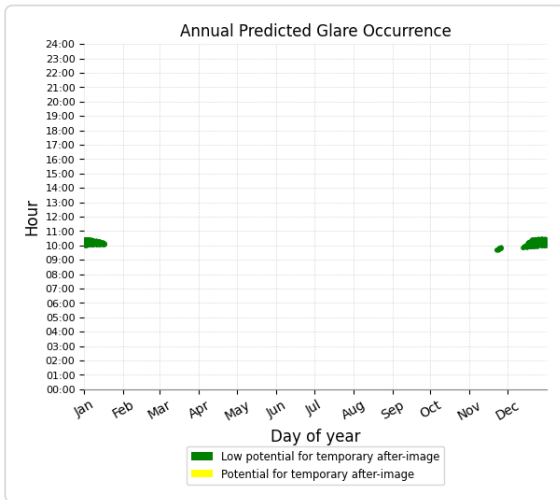
Main 3b1 and OP 36

Yellow glare: none
 Green glare: 386 min.



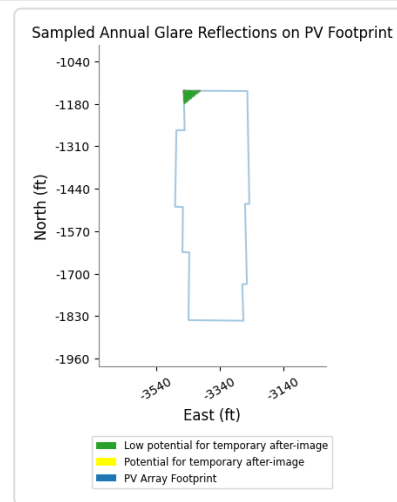
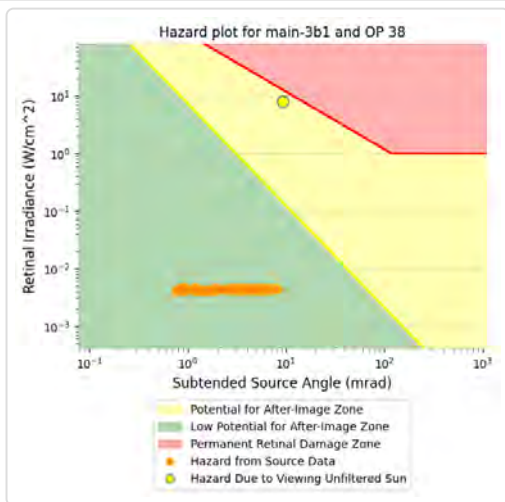
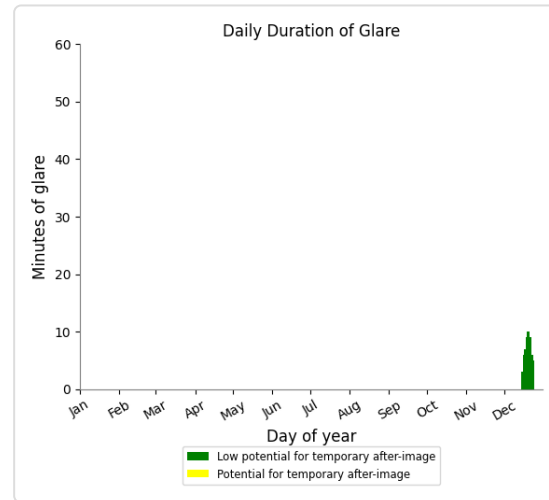
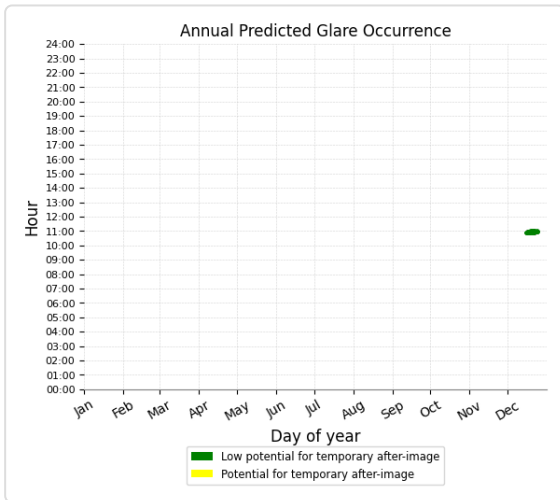
Main 3b1 and OP 37

Yellow glare: none
 Green glare: 743 min.



Main 3b1 and OP 38

Yellow glare: none
 Green glare: 74 min.



Main 3b1 and OP 1

No glare found

Main 3b1 and OP 2

No glare found

Main 3b1 and OP 3

No glare found

Main 3b1 and OP 5

No glare found

Main 3b1 and OP 6

No glare found

Main 3b1 and OP 7

No glare found

Main 3b1 and OP 11

No glare found

Main 3b1 and OP 12

No glare found

Main 3b1 and OP 13

No glare found

Main 3b1 and OP 14

No glare found

Main 3b1 and OP 15

No glare found

Main 3b1 and OP 16

No glare found

Main 3b1 and OP 17

No glare found

Main 3b1 and OP 18

No glare found

Main 3b1 and OP 19

No glare found

Main 3b1 and OP 20

No glare found

Main 3b1 and OP 21

No glare found

Main 3b1 and OP 22

No glare found

Main 3b1 and OP 23

No glare found

Main 3b1 and OP 24

No glare found

Main 3b1 and OP 25

No glare found

Main 3b1 and OP 26

No glare found

Main 3b1 and OP 27

No glare found

Main 3b1 and OP 28

No glare found

Main 3b1 and OP 29

No glare found

Main 3b1 and OP 30

No glare found

Main 3b1 and OP 31

No glare found

Main 3b1 and OP 32

No glare found

Main 3b1 and OP 33

No glare found

Main 3b1 and OP 34

No glare found

Main 3b1 and OP 39

No glare found

PV: Main 3b2 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
SR-949	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

Main 3b2 and Route: Forgy Mill Rd

No glare found

Main 3b2 and Route: Free Ln

No glare found

Main 3b2 and Route: Mason-Poyner Rd

No glare found

Main 3b2 and Route: Pendley Mill Rd

No glare found

Main 3b2 and Route: SR-949

No glare found

Main 3b2 and Route: US-431

No glare found

Main 3b2 and FP: Bowling Green Regional 1

No glare found

Main 3b2 and FP: Bowling Green Regional 2

No glare found

Main 3b2 and FP: Bowling Green Regional 3

No glare found

Main 3b2 and FP: Bowling Green Regional 4

No glare found

Main 3b2 and FP: Muhlenberg County Airport 1

No glare found

Main 3b2 and FP: Muhlenberg County Airport 2

No glare found

Main 3b2 and FP: Russellville-Logan Airport 1

No glare found

Main 3b2 and FP: Russellville-Logan Airport 2

No glare found

Main 3b2 and OP 1

No glare found

Main 3b2 and OP 2

No glare found

Main 3b2 and OP 3

No glare found

Main 3b2 and OP 4

No glare found

Main 3b2 and OP 5

No glare found

Main 3b2 and OP 6

No glare found

Main 3b2 and OP 7

No glare found

Main 3b2 and OP 8

No glare found

Main 3b2 and OP 9

No glare found

Main 3b2 and OP 10

No glare found

Main 3b2 and OP 11

No glare found

Main 3b2 and OP 12

No glare found

Main 3b2 and OP 13

No glare found

Main 3b2 and OP 14

No glare found

Main 3b2 and OP 15

No glare found

Main 3b2 and OP 16

No glare found

Main 3b2 and OP 17

No glare found

Main 3b2 and OP 18

No glare found

Main 3b2 and OP 19

No glare found

Main 3b2 and OP 20

No glare found

Main 3b2 and OP 21

No glare found

Main 3b2 and OP 22

No glare found

Main 3b2 and OP 23

No glare found

Main 3b2 and OP 24

No glare found

Main 3b2 and OP 25

No glare found

Main 3b2 and OP 26

No glare found

Main 3b2 and OP 27

No glare found

Main 3b2 and OP 28

No glare found

Main 3b2 and OP 29

No glare found

Main 3b2 and OP 30

No glare found

Main 3b2 and OP 31

No glare found

Main 3b2 and OP 32

No glare found

Main 3b2 and OP 33

No glare found

Main 3b2 and OP 34

No glare found

Main 3b2 and OP 35

No glare found

Main 3b2 and OP 36

No glare found

Main 3b2 and OP 37

No glare found

Main 3b2 and OP 38

No glare found

Main 3b2 and OP 39

No glare found

PV: Main 3b3 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
SR-949	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

Main 3b3 and Route: Forgy Mill Rd

No glare found

Main 3b3 and Route: Free Ln

No glare found

Main 3b3 and Route: Mason-Poyner Rd

No glare found

Main 3b3 and Route: Pendley Mill Rd

No glare found

Main 3b3 and Route: SR-949

No glare found

Main 3b3 and Route: US-431

No glare found

Main 3b3 and FP: Bowling Green Regional 1

No glare found

Main 3b3 and FP: Bowling Green Regional 2

No glare found

Main 3b3 and FP: Bowling Green Regional 3

No glare found

Main 3b3 and FP: Bowling Green Regional 4

No glare found

Main 3b3 and FP: Muhlenberg County Airport 1

No glare found

Main 3b3 and FP: Muhlenberg County Airport 2

No glare found

Main 3b3 and FP: Russellville-Logan Airport 1

No glare found

Main 3b3 and FP: Russellville-Logan Airport 2

No glare found

Main 3b3 and OP 1

No glare found

Main 3b3 and OP 2

No glare found

Main 3b3 and OP 3

No glare found

Main 3b3 and OP 4

No glare found

Main 3b3 and OP 5

No glare found

Main 3b3 and OP 6

No glare found

Main 3b3 and OP 7

No glare found

Main 3b3 and OP 8

No glare found

Main 3b3 and OP 9

No glare found

Main 3b3 and OP 10

No glare found

Main 3b3 and OP 11

No glare found

Main 3b3 and OP 12

No glare found

Main 3b3 and OP 13

No glare found

Main 3b3 and OP 14

No glare found

Main 3b3 and OP 15

No glare found

Main 3b3 and OP 16

No glare found

Main 3b3 and OP 17

No glare found

Main 3b3 and OP 18

No glare found

Main 3b3 and OP 19

No glare found

Main 3b3 and OP 20

No glare found

Main 3b3 and OP 21

No glare found

Main 3b3 and OP 22

No glare found

Main 3b3 and OP 23

No glare found

Main 3b3 and OP 24

No glare found

Main 3b3 and OP 25

No glare found

Main 3b3 and OP 26

No glare found

Main 3b3 and OP 27

No glare found

Main 3b3 and OP 28

No glare found

Main 3b3 and OP 29

No glare found

Main 3b3 and OP 30

No glare found

Main 3b3 and OP 31

No glare found

Main 3b3 and OP 32

No glare found

Main 3b3 and OP 33

No glare found

Main 3b3 and OP 34

No glare found

Main 3b3 and OP 35

No glare found

Main 3b3 and OP 36

No glare found

Main 3b3 and OP 37

No glare found

Main 3b3 and OP 38

No glare found

Main 3b3 and OP 39

No glare found

PV: Main 3b4 potential temporary after-image

Receptor results ordered by category of glare

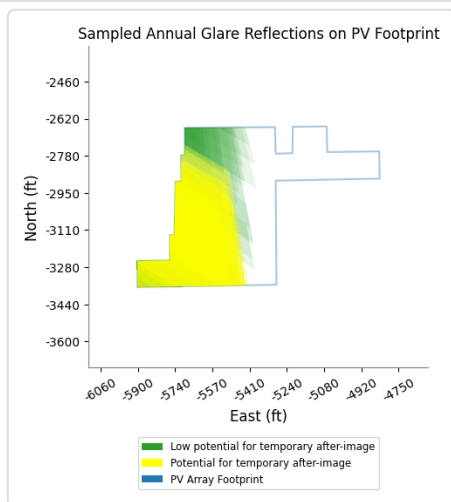
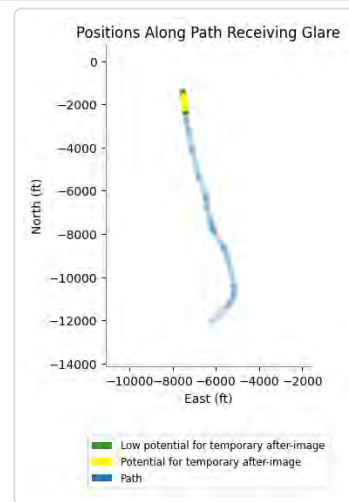
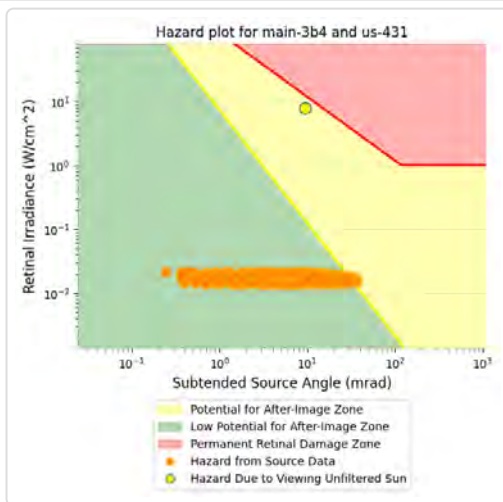
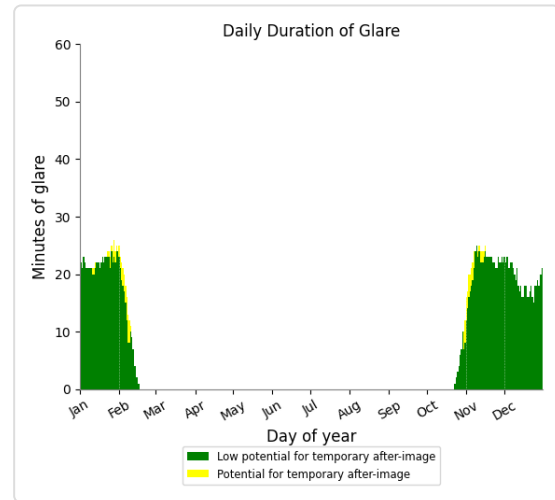
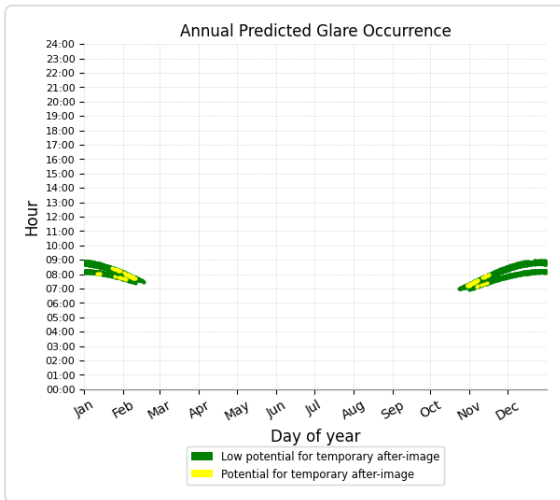
Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
US-431	2,135	35.6	86	1.4
Free Ln	1,151	19.2	0	0.0
SR-949	536	8.9	0	0.0
Forgy Mill Rd	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 1	115	1.9	0	0.0
OP 2	586	9.8	0	0.0
OP 3	972	16.2	0	0.0
OP 4	1,205	20.1	0	0.0
OP 5	949	15.8	0	0.0
OP 6	848	14.1	0	0.0
OP 7	360	6.0	0	0.0
OP 8	83	1.4	0	0.0
OP 9	90	1.5	0	0.0
OP 10	59	1.0	0	0.0
OP 12	20	0.3	0	0.0
OP 33	213	3.5	0	0.0
OP 34	308	5.1	0	0.0
OP 35	70	1.2	0	0.0
OP 36	86	1.4	0	0.0
OP 37	101	1.7	0	0.0
OP 38	582	9.7	0	0.0
OP 39	591	9.8	0	0.0
OP 11	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0

Main 3b4 and Route: US-431

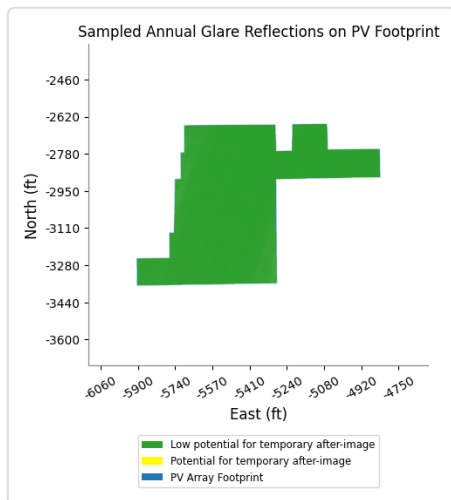
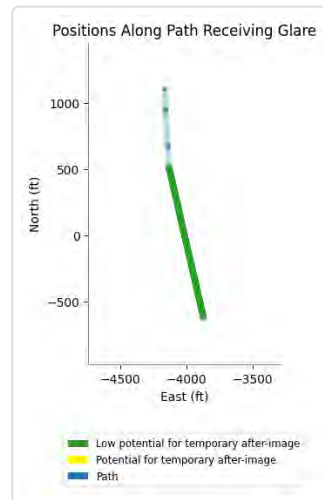
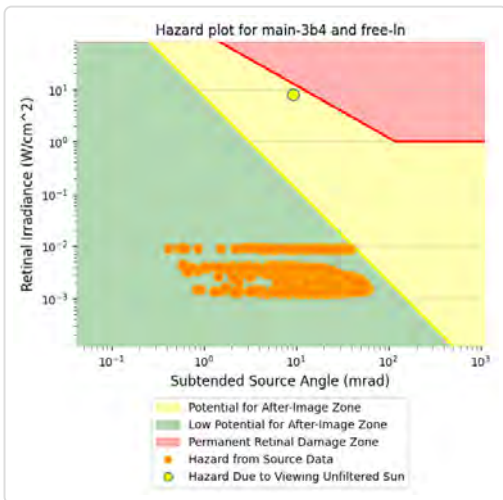
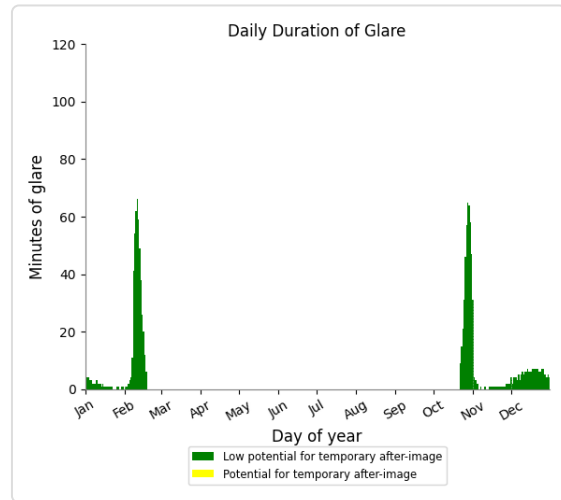
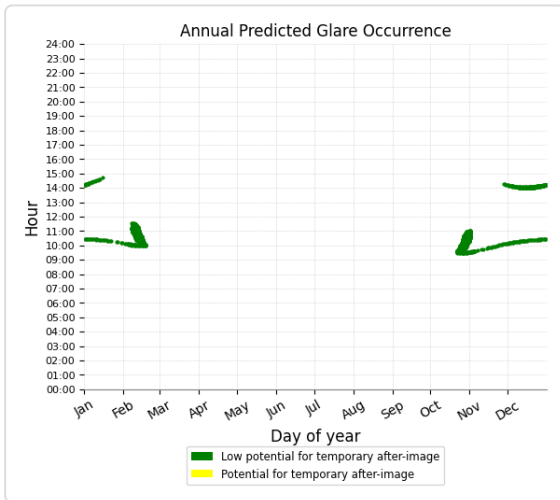
Yellow glare: 86 min.

Green glare: 2,135 min.



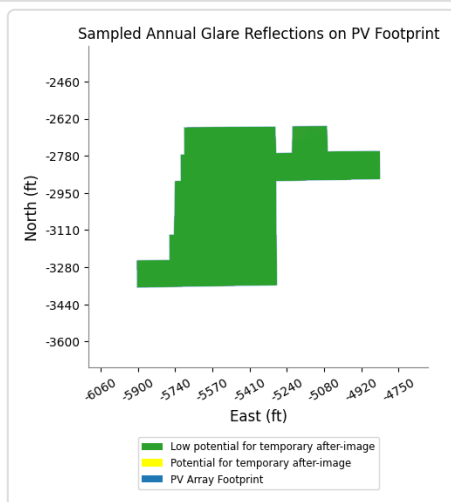
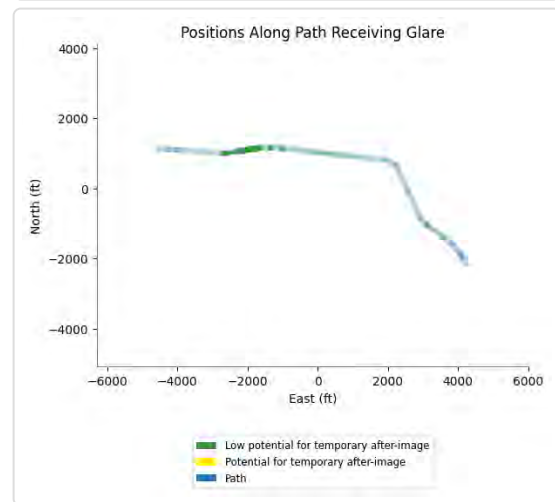
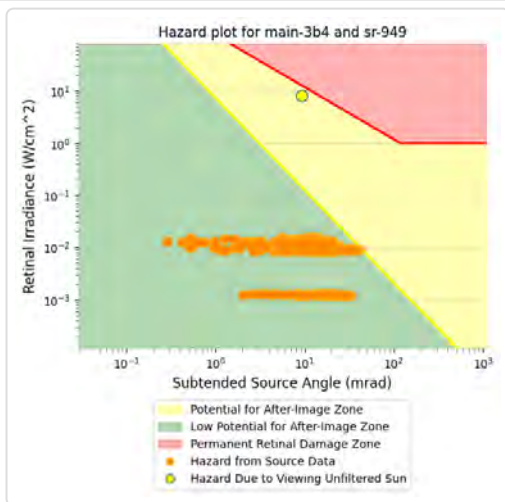
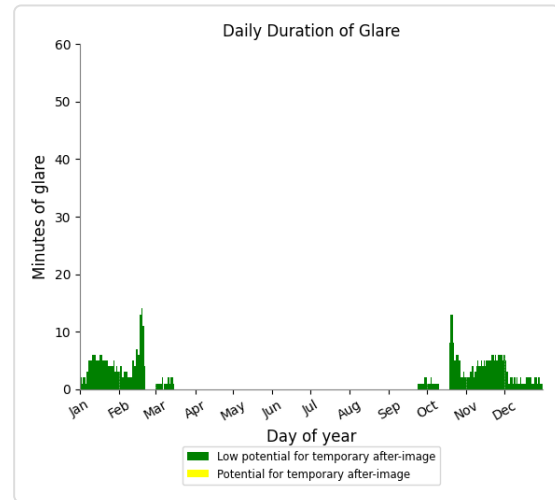
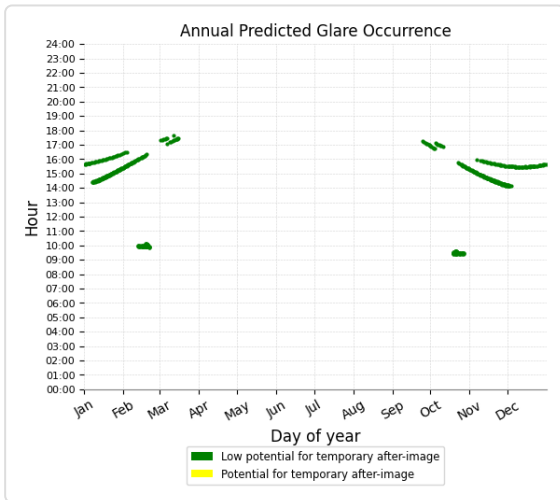
Main 3b4 and Route: Free Ln

Yellow glare: none
 Green glare: 1,151 min.



Main 3b4 and Route: SR-949

Yellow glare: none
 Green glare: 536 min.



Main 3b4 and Route: Forge Mill Rd

No glare found

Main 3b4 and Route: Mason-Poyner Rd

No glare found

Main 3b4 and Route: Pendley Mill Rd

No glare found

Main 3b4 and FP: Bowling Green Regional 1

No glare found

Main 3b4 and FP: Bowling Green Regional 2

No glare found

Main 3b4 and FP: Bowling Green Regional 3

No glare found

Main 3b4 and FP: Bowling Green Regional 4

No glare found

Main 3b4 and FP: Muhlenberg County Airport 1

No glare found

Main 3b4 and FP: Muhlenberg County Airport 2

No glare found

Main 3b4 and FP: Russellville-Logan Airport 1

No glare found

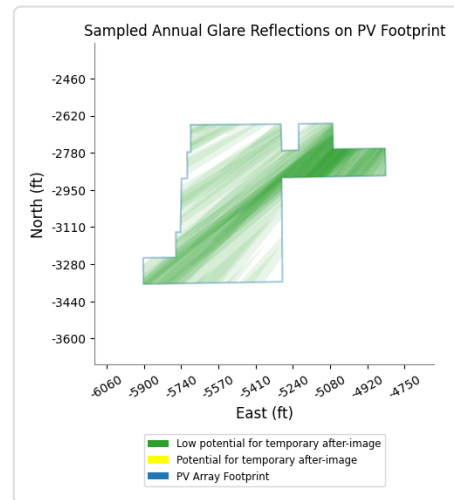
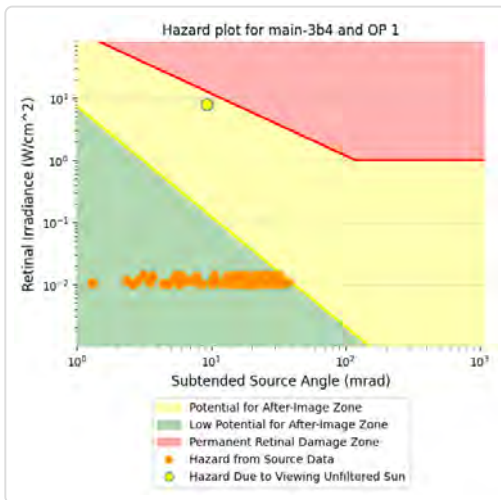
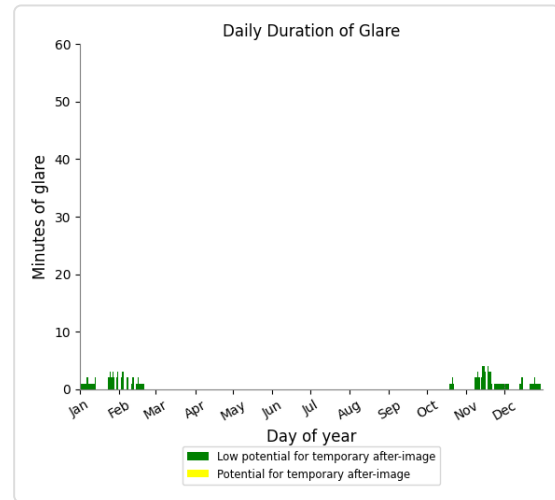
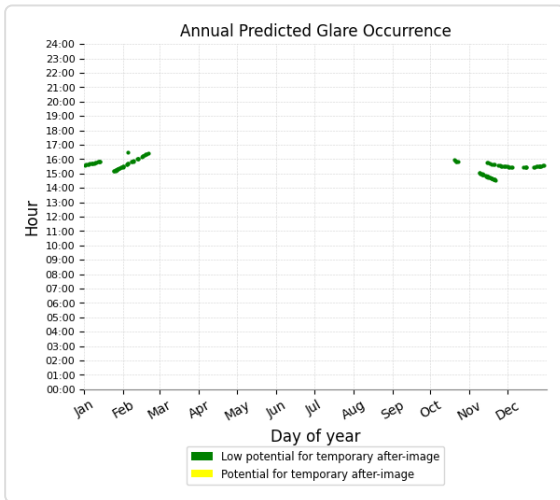
Main 3b4 and FP: Russellville-Logan Airport 2

No glare found

Main 3b4 and OP 1

Yellow glare: none

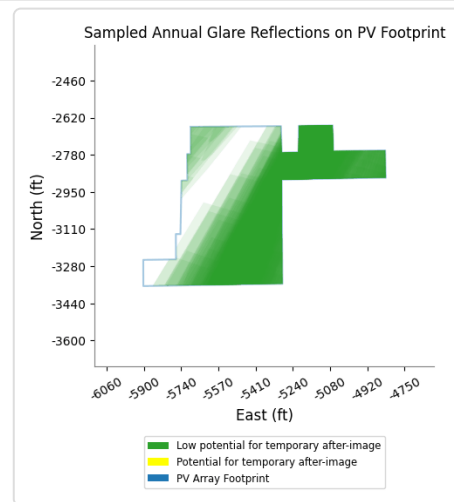
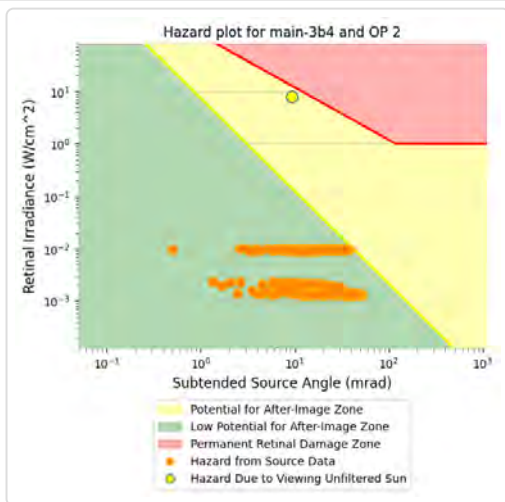
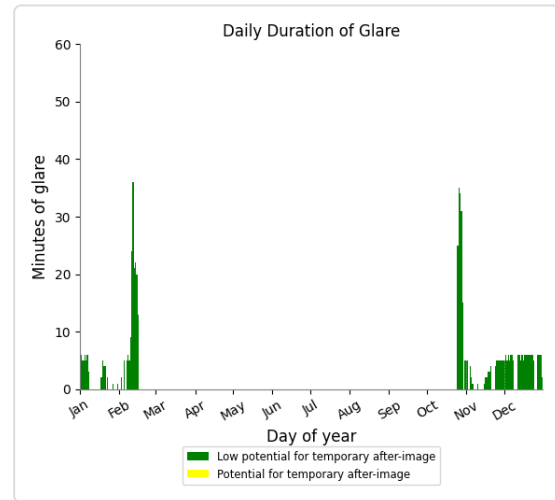
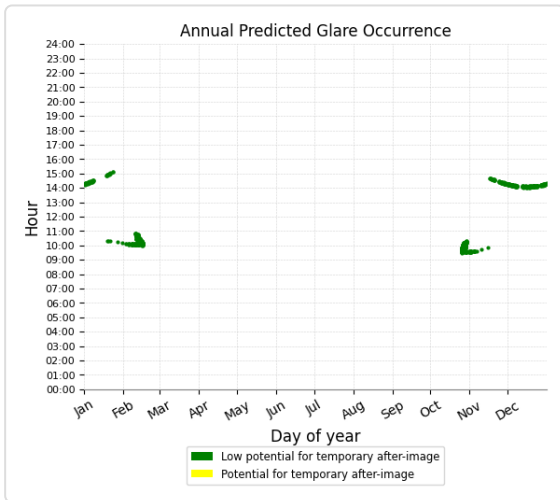
Green glare: 115 min.



Main 3b4 and OP 2

Yellow glare: none

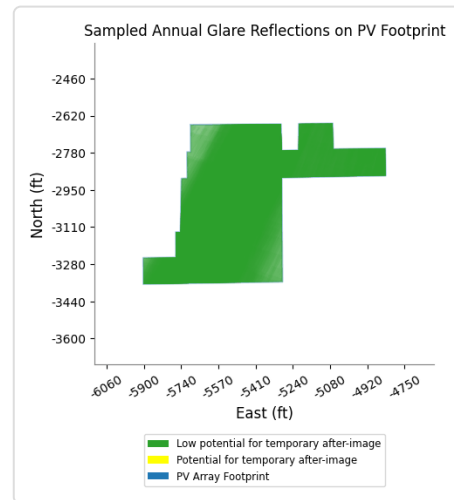
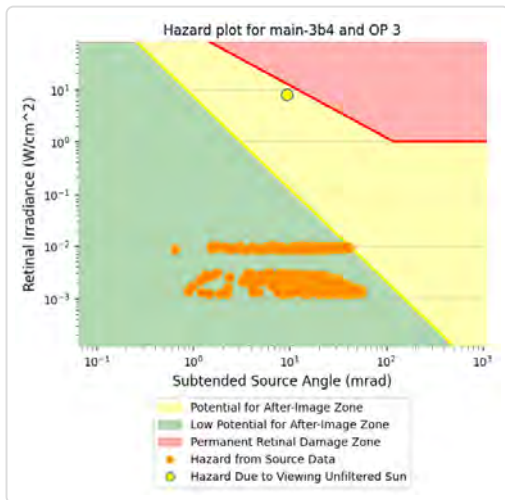
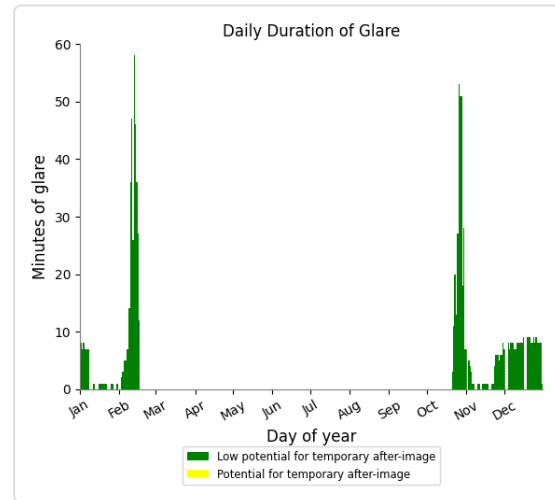
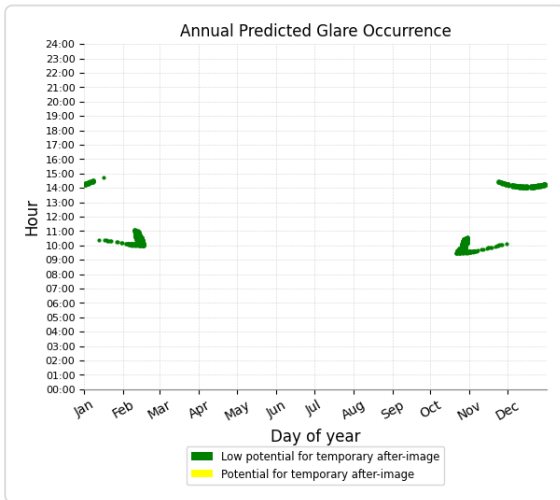
Green glare: 586 min.



Main 3b4 and OP 3

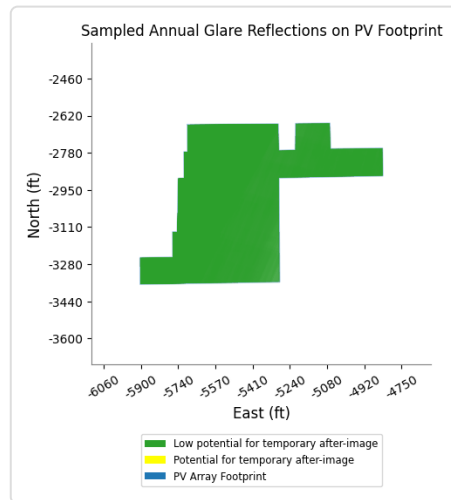
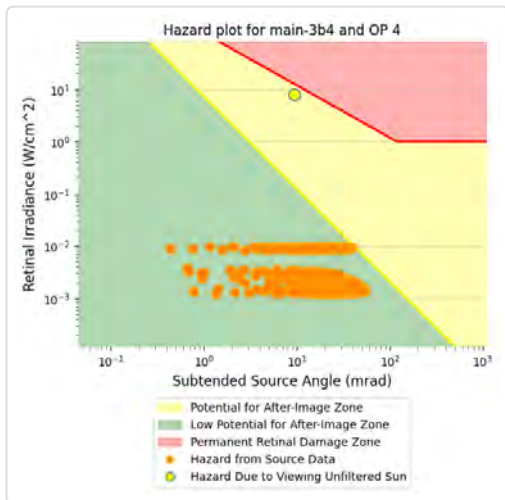
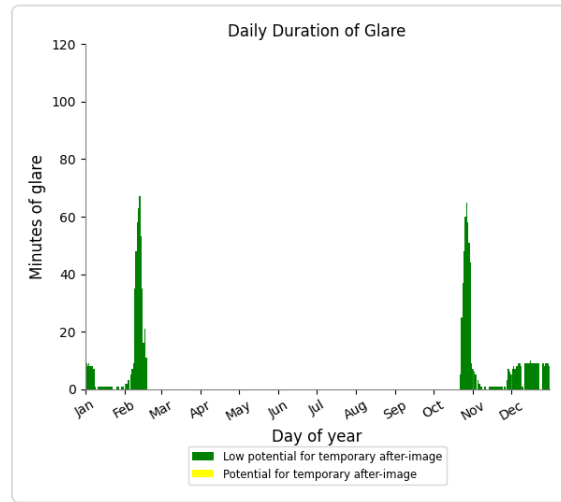
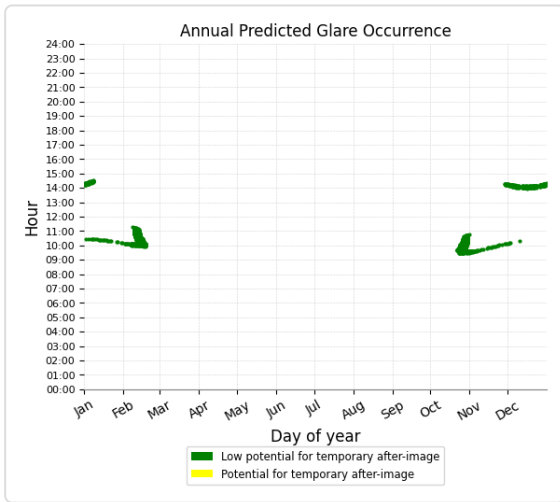
Yellow glare: none

Green glare: 972 min.



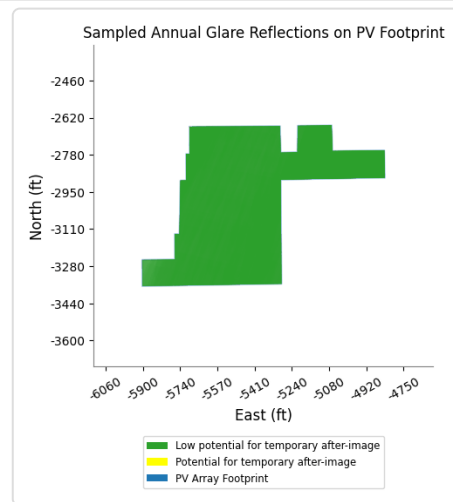
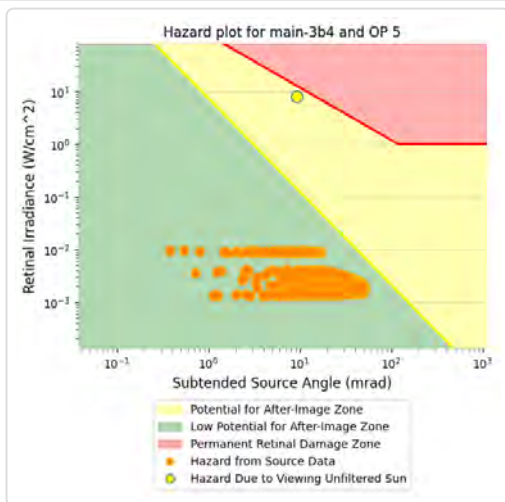
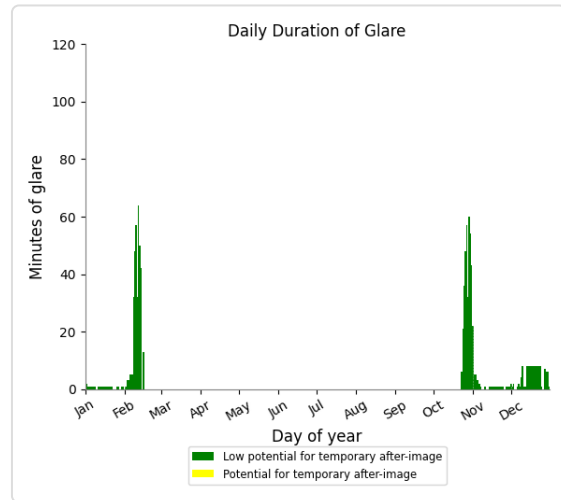
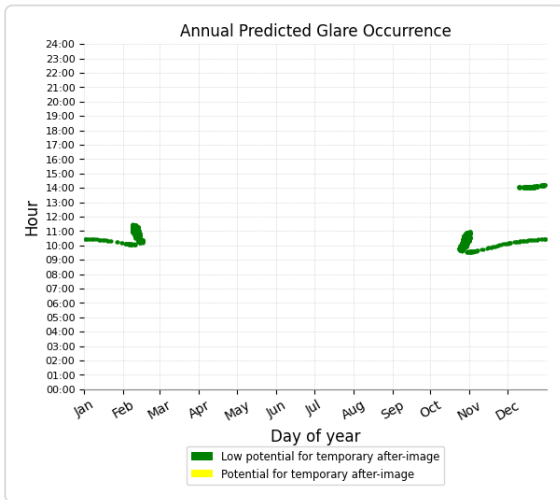
Main 3b4 and OP 4

Yellow glare: none
 Green glare: 1,205 min.



Main 3b4 and OP 5

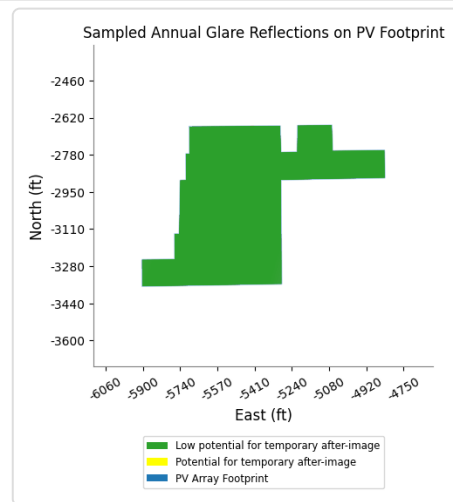
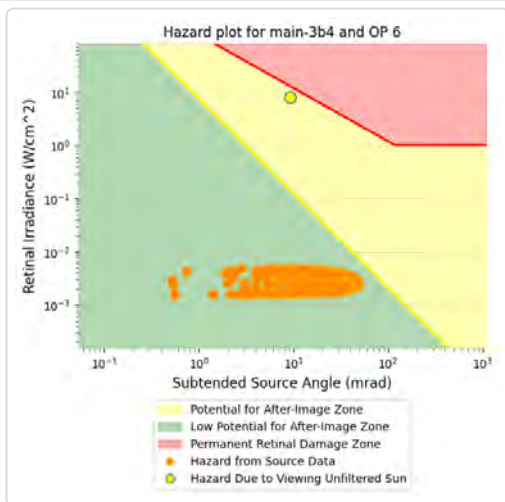
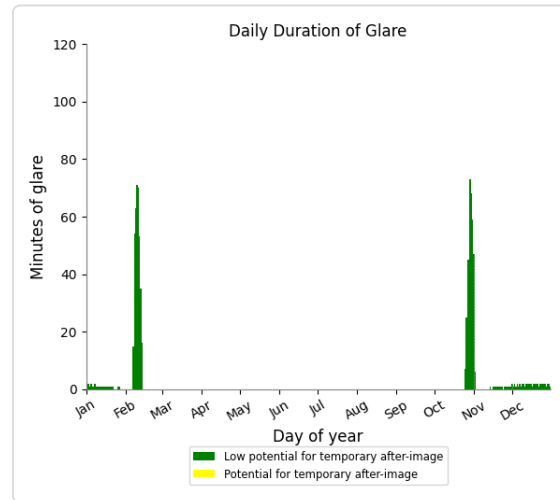
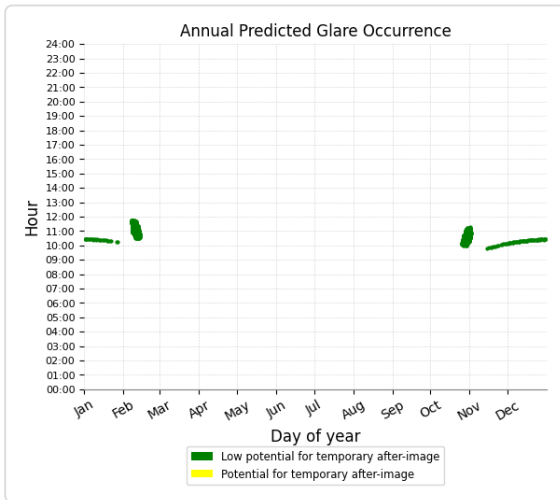
Yellow glare: none
 Green glare: 949 min.



Main 3b4 and OP 6

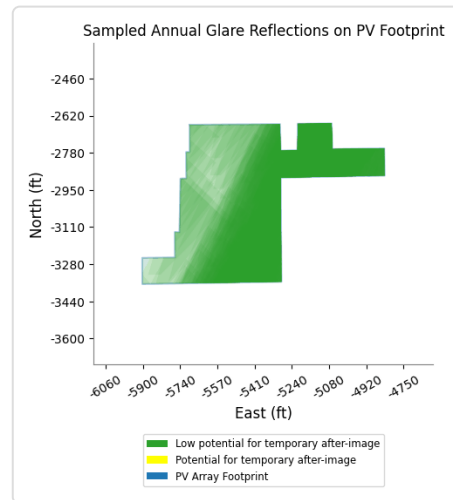
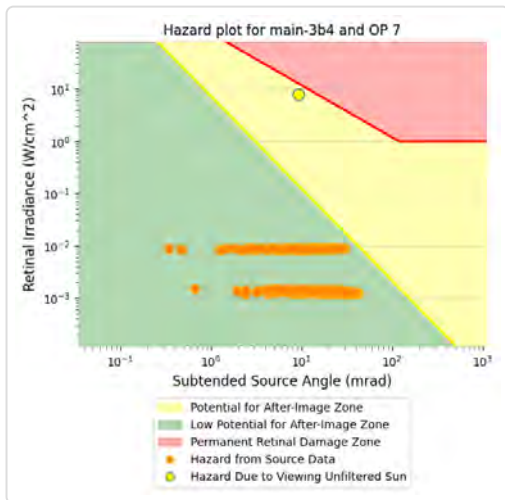
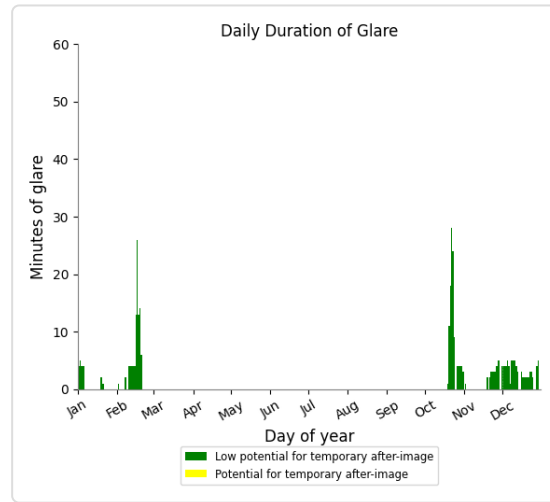
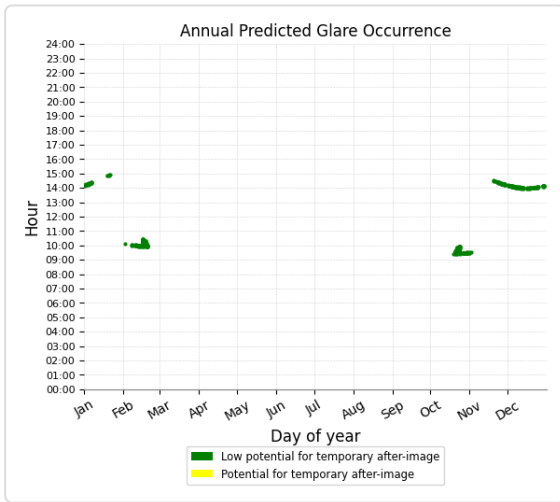
Yellow glare: none

Green glare: 848 min.



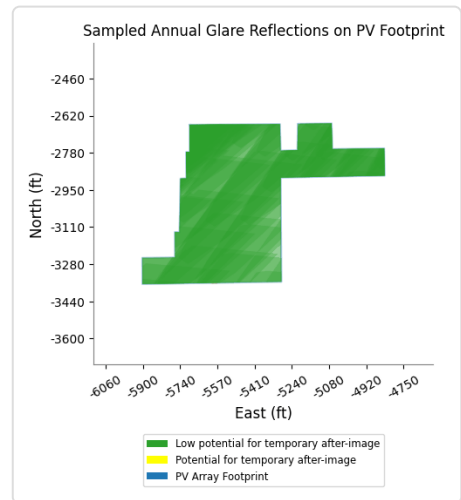
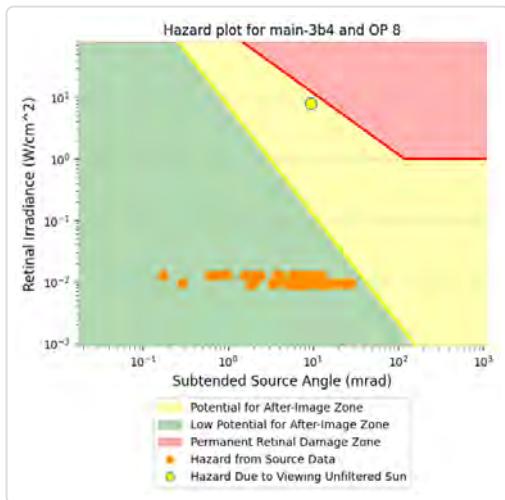
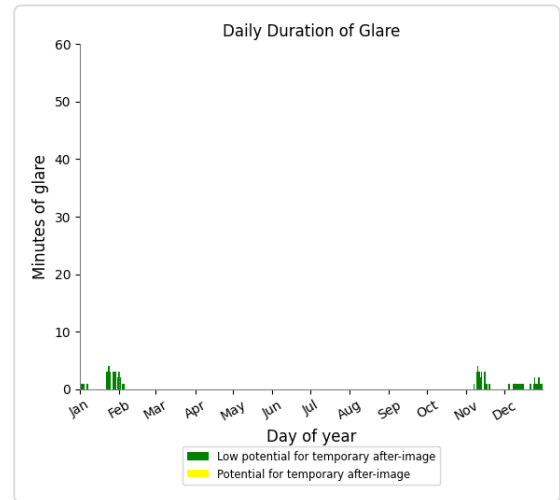
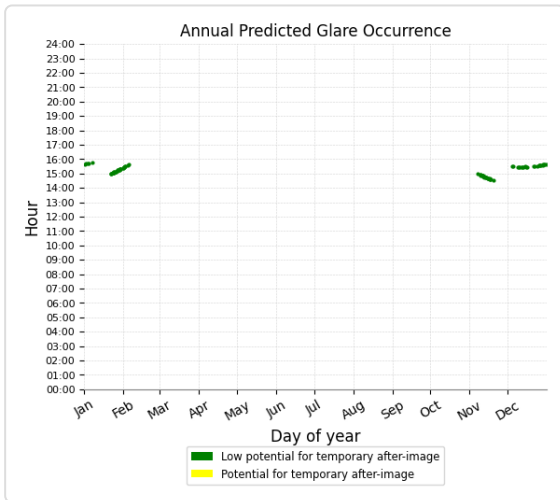
Main 3b4 and OP 7

Yellow glare: none
 Green glare: 360 min.



Main 3b4 and OP 8

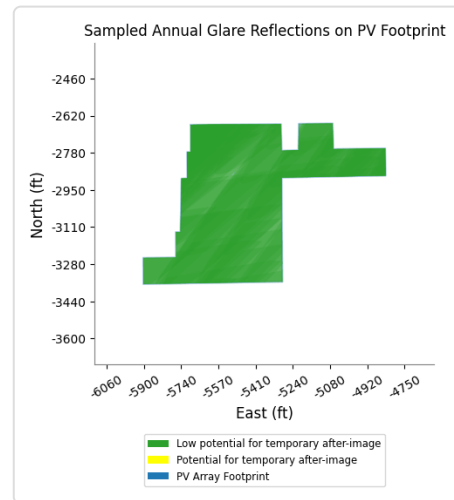
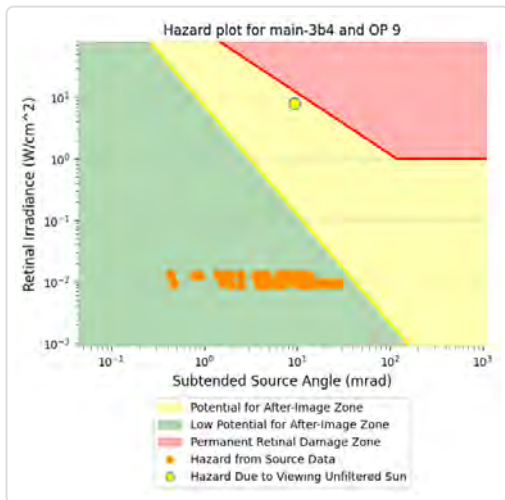
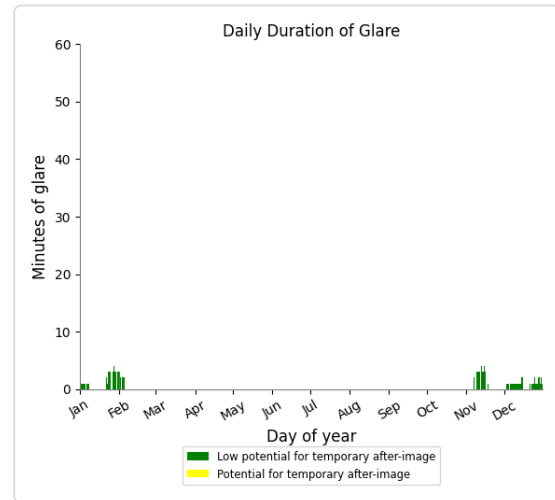
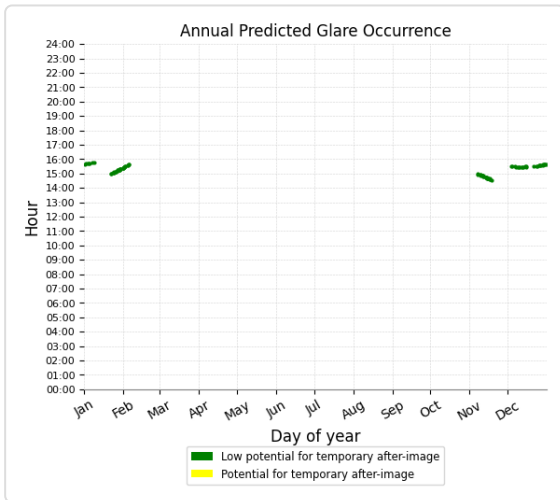
Yellow glare: none
 Green glare: 83 min.



Main 3b4 and OP 9

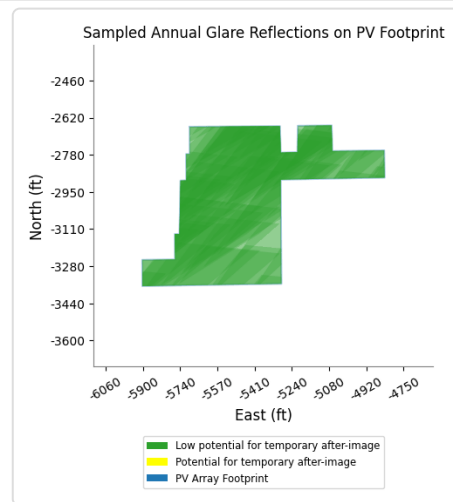
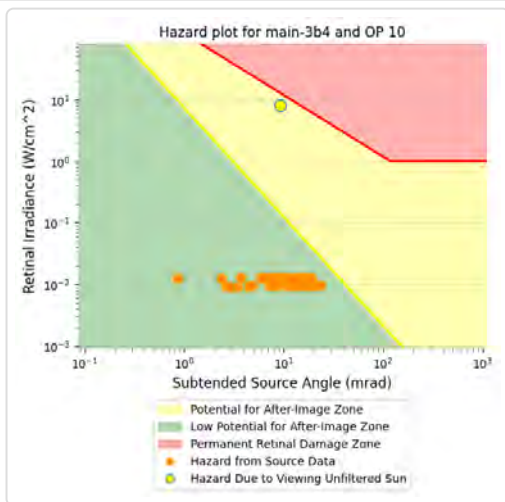
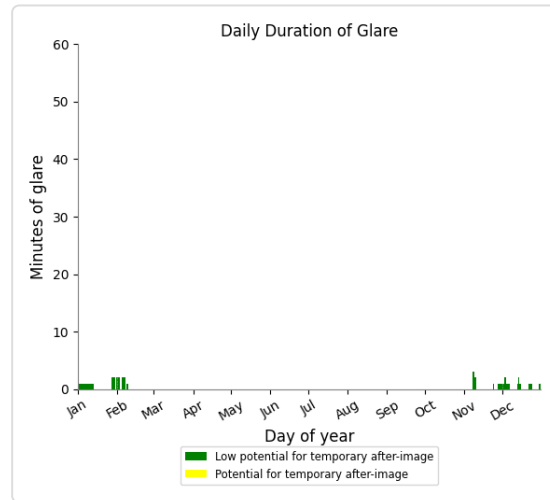
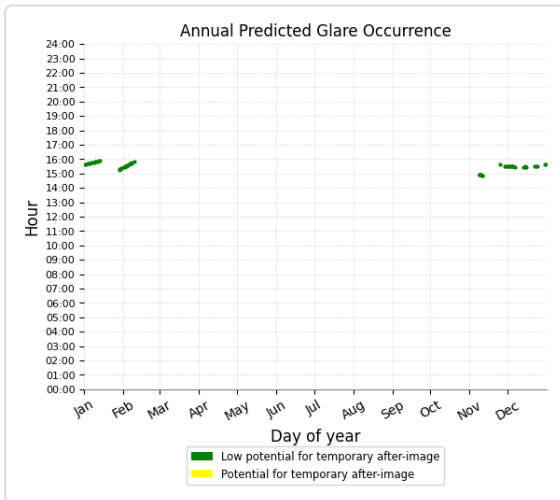
Yellow glare: none

Green glare: 90 min.



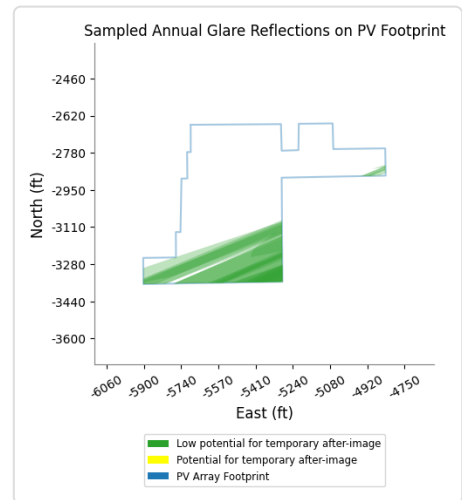
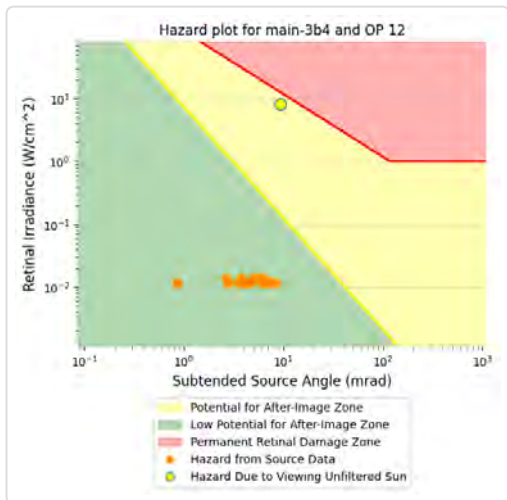
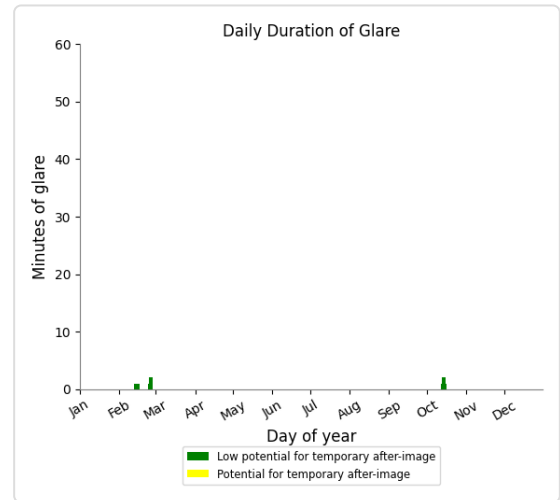
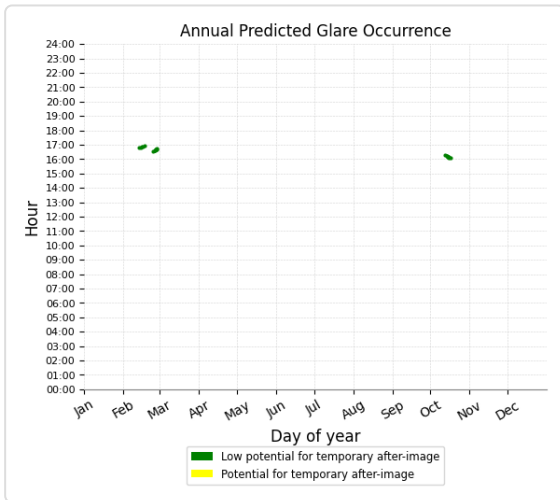
Main 3b4 and OP 10

Yellow glare: none
 Green glare: 59 min.



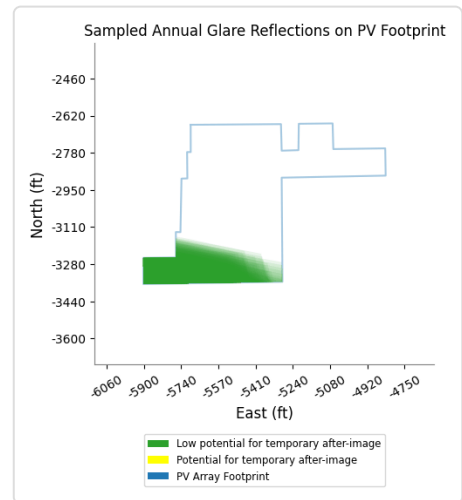
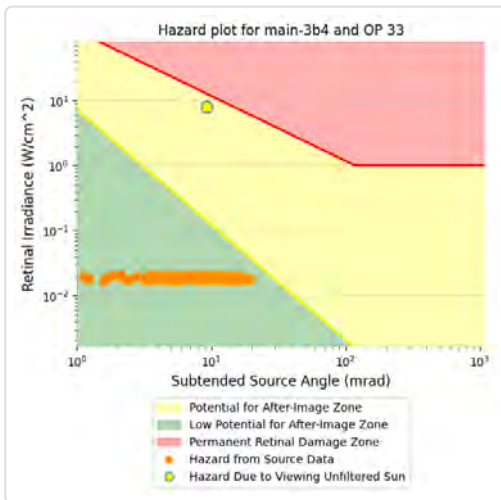
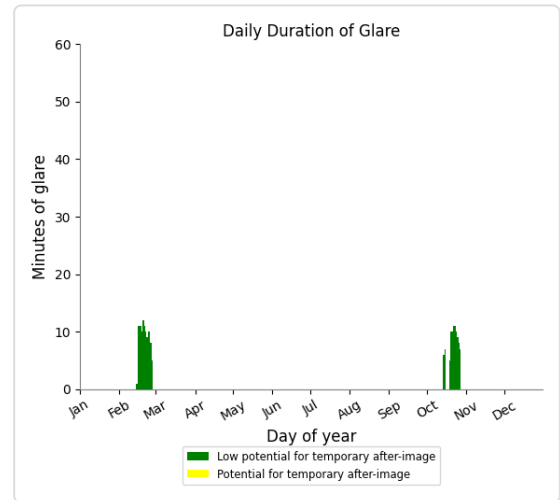
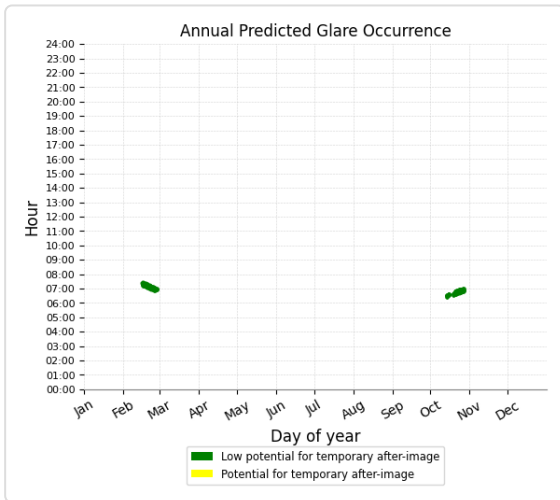
Main 3b4 and OP 12

Yellow glare: none
 Green glare: 20 min.



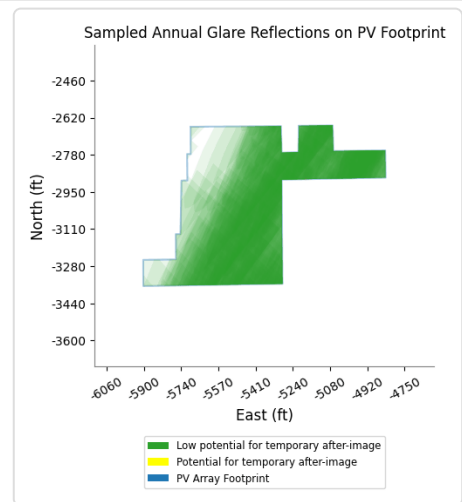
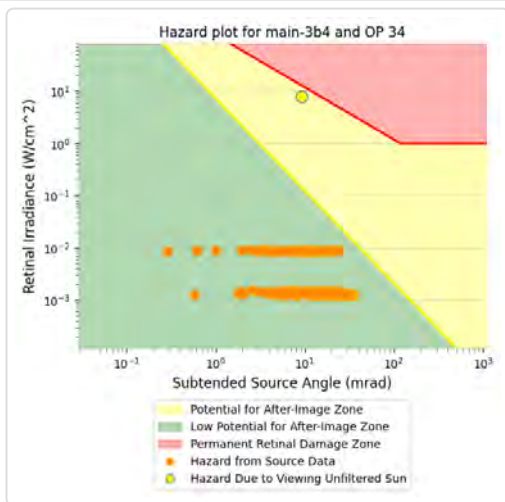
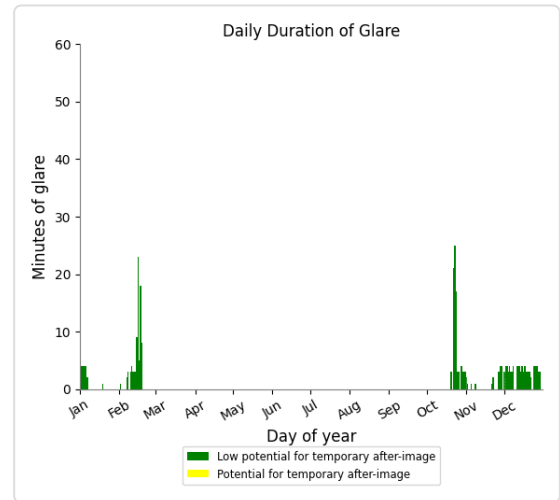
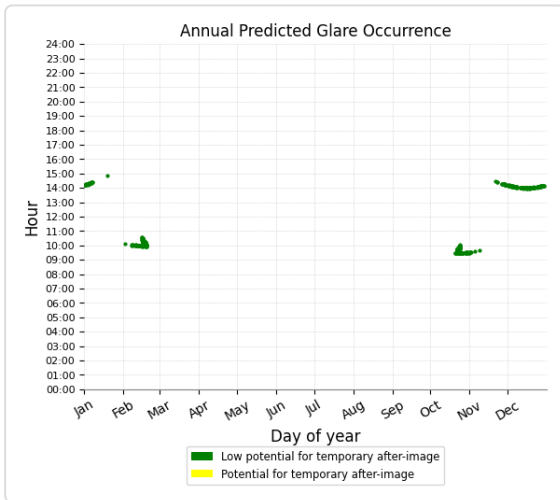
Main 3b4 and OP 33

Yellow glare: none
 Green glare: 213 min.



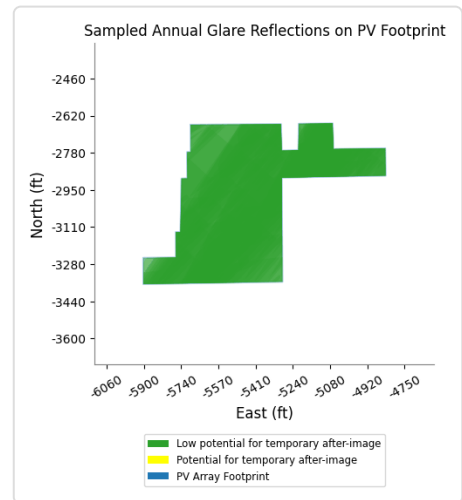
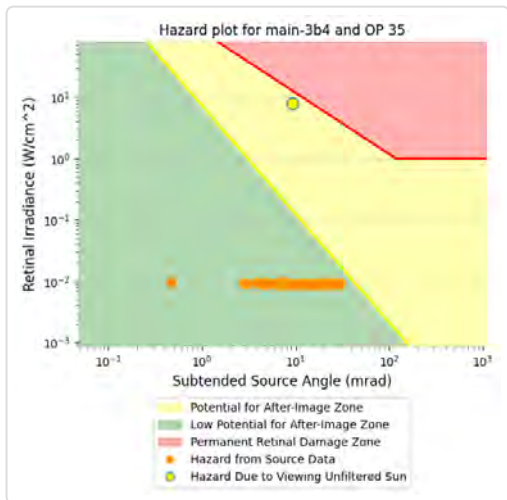
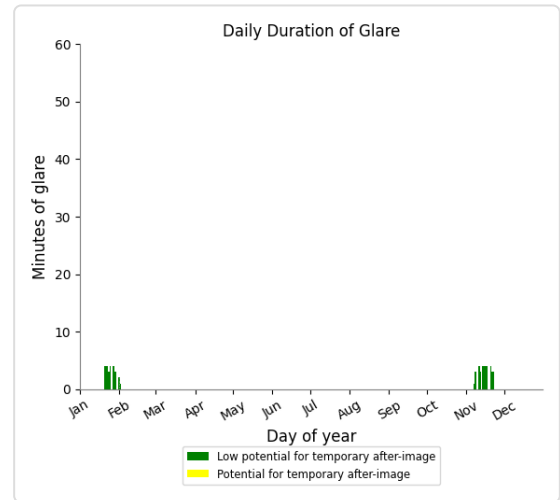
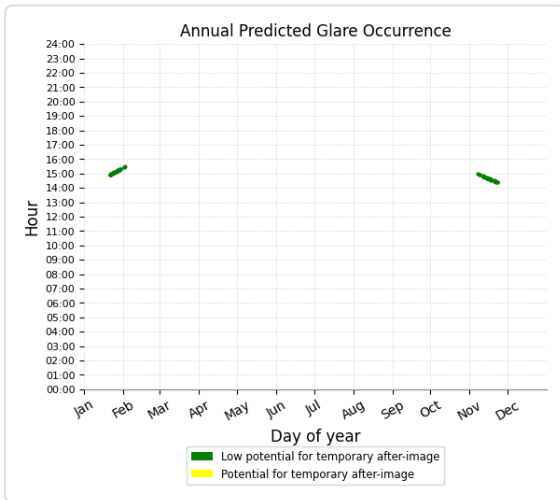
Main 3b4 and OP 34

Yellow glare: none
 Green glare: 308 min.



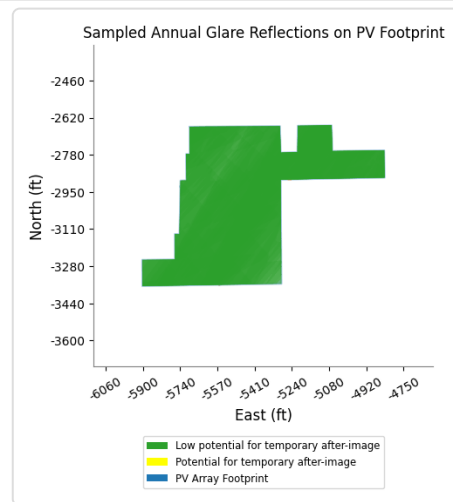
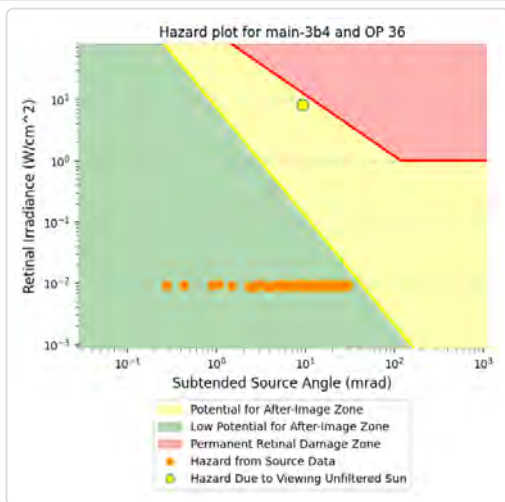
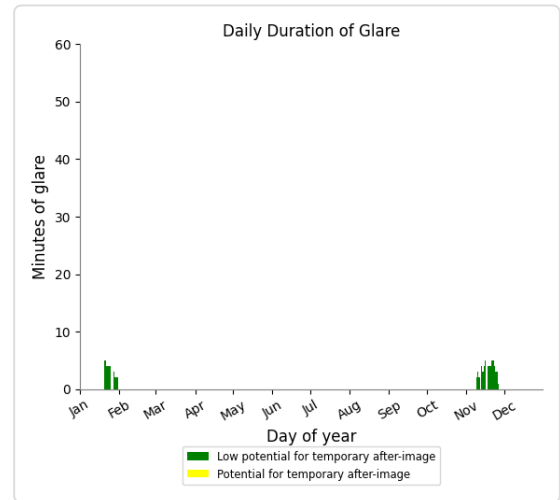
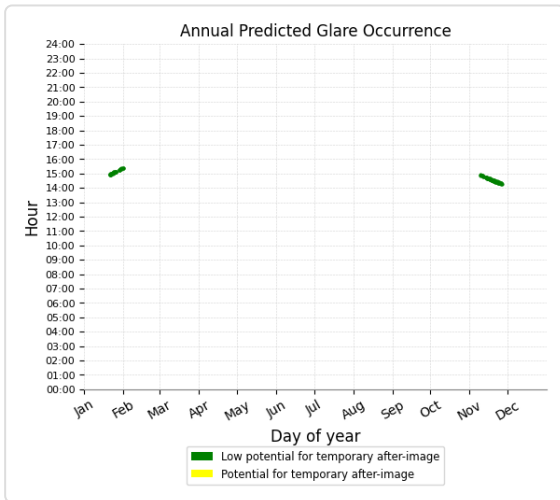
Main 3b4 and OP 35

Yellow glare: none
 Green glare: 70 min.



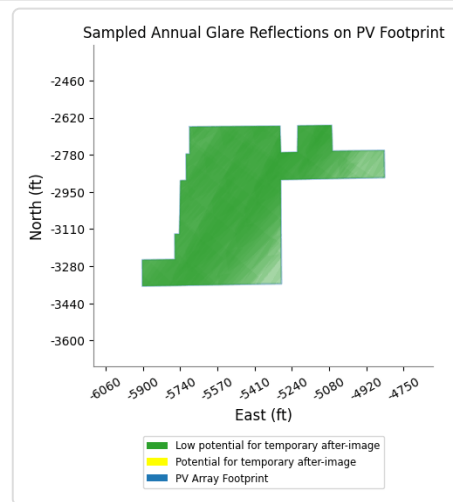
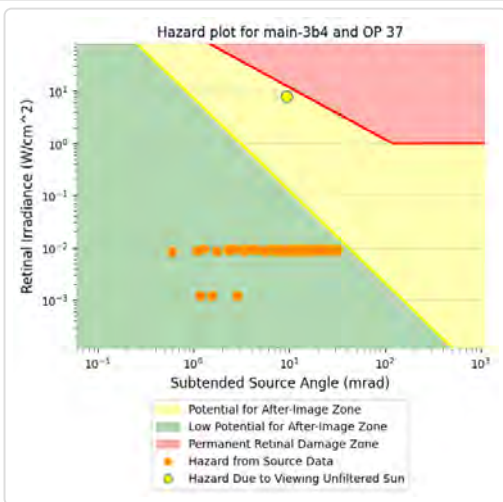
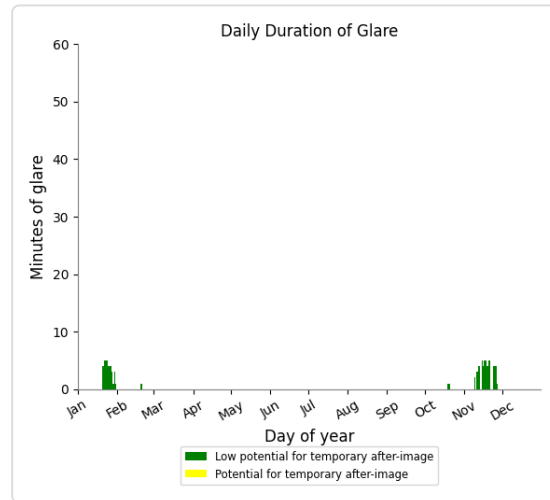
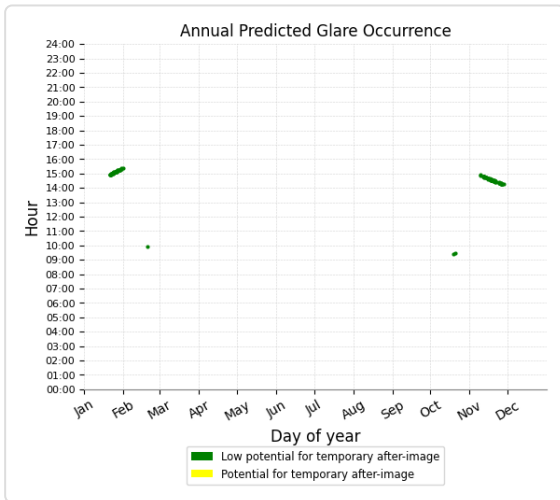
Main 3b4 and OP 36

Yellow glare: none
 Green glare: 86 min.



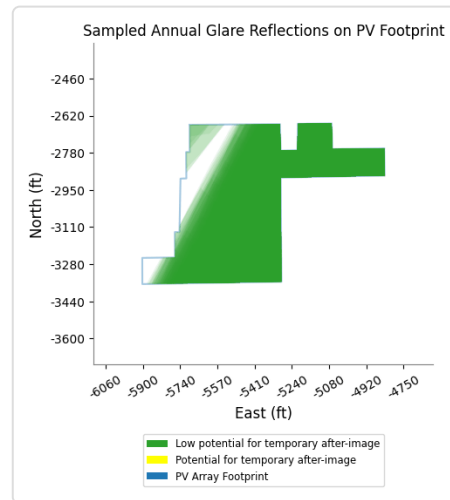
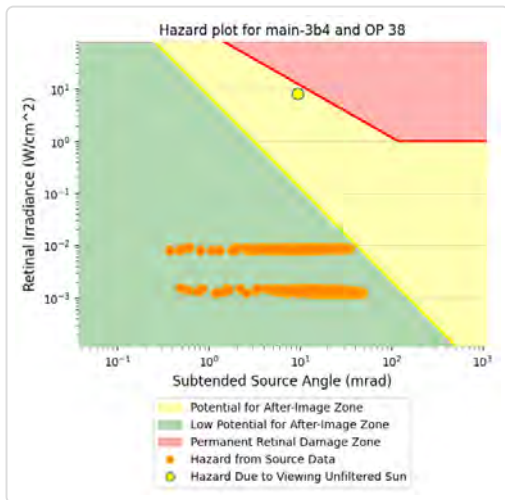
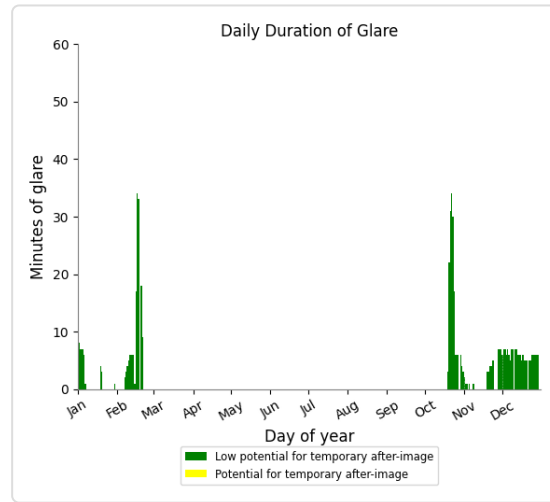
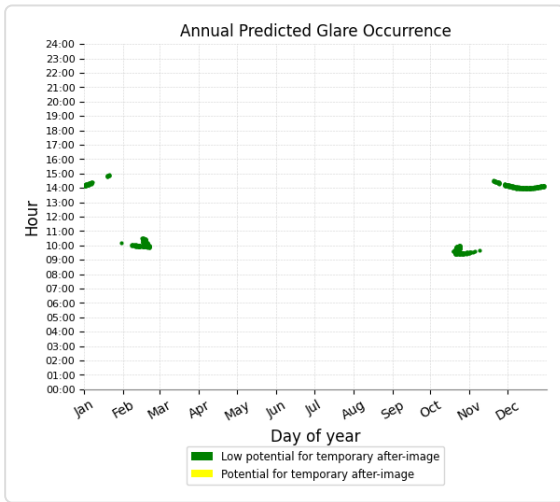
Main 3b4 and OP 37

Yellow glare: none
 Green glare: 101 min.



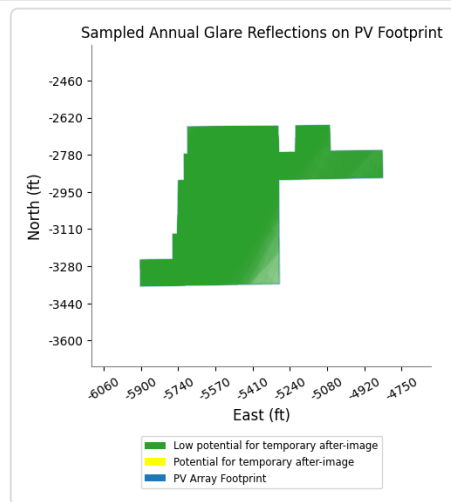
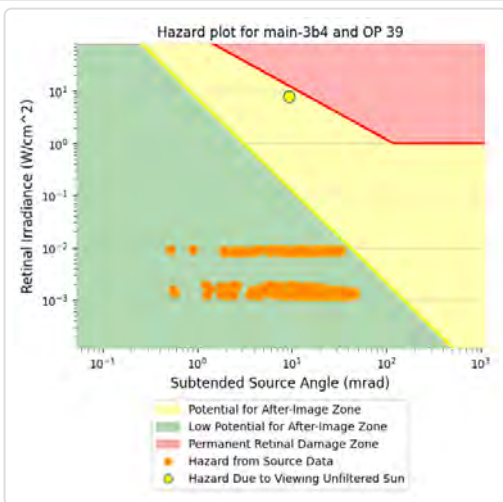
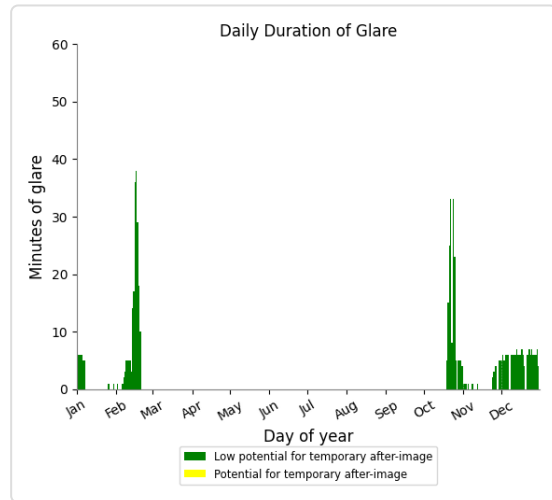
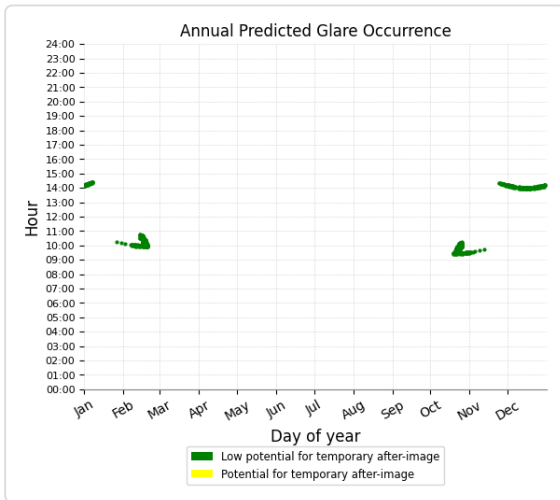
Main 3b4 and OP 38

Yellow glare: none
 Green glare: 582 min.



Main 3b4 and OP 39

Yellow glare: none
 Green glare: 591 min.



Main 3b4 and OP 11

No glare found

Main 3b4 and OP 13

No glare found

Main 3b4 and OP 14

No glare found

Main 3b4 and OP 15

No glare found

Main 3b4 and OP 16

No glare found

Main 3b4 and OP 17

No glare found

Main 3b4 and OP 18

No glare found

Main 3b4 and OP 19

No glare found

Main 3b4 and OP 20

No glare found

Main 3b4 and OP 21

No glare found

Main 3b4 and OP 22

No glare found

Main 3b4 and OP 23

No glare found

Main 3b4 and OP 24

No glare found

Main 3b4 and OP 25

No glare found

Main 3b4 and OP 26

No glare found

Main 3b4 and OP 27

No glare found

Main 3b4 and OP 28

No glare found

Main 3b4 and OP 29

No glare found

Main 3b4 and OP 30

No glare found

Main 3b4 and OP 31

No glare found

Main 3b4 and OP 32

No glare found

PV: Main 3b5 low potential for temporary after-image

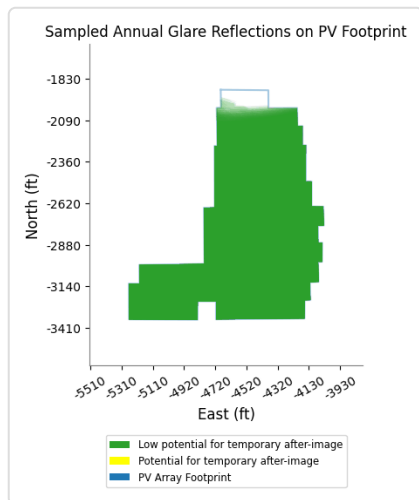
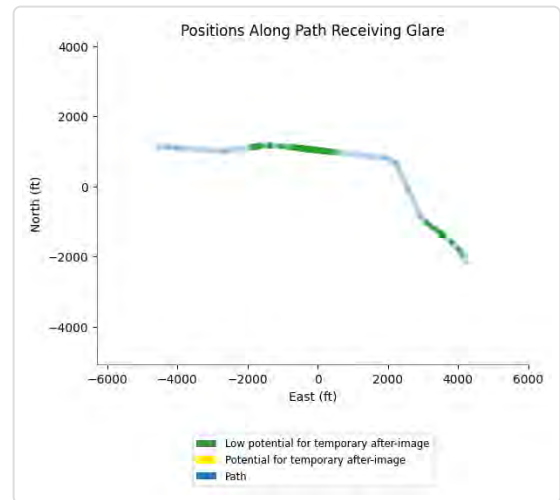
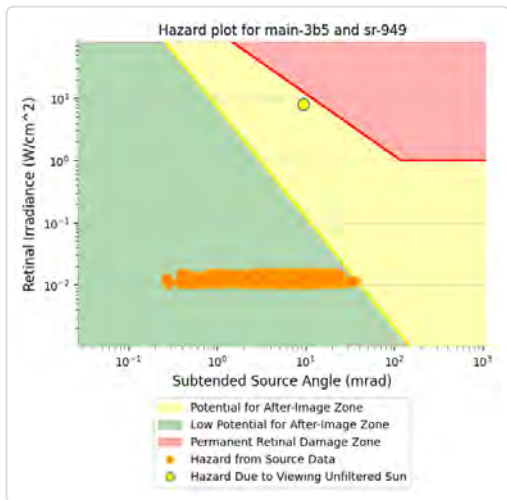
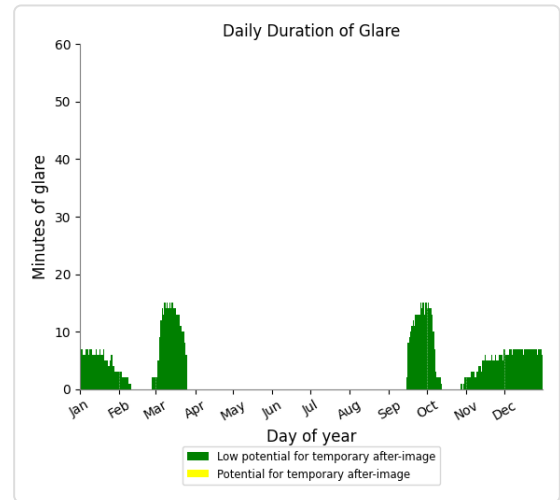
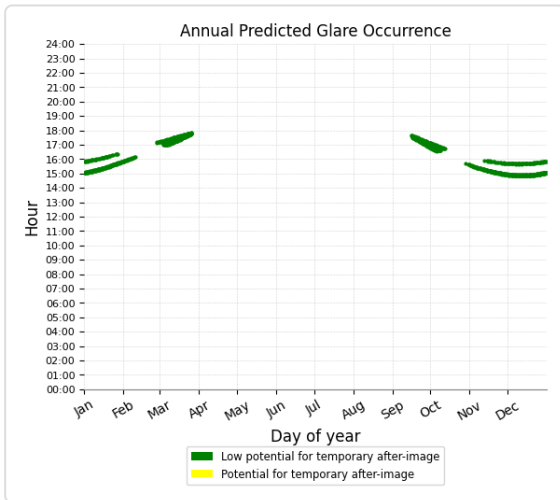
Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
SR-949	1,110	18.5	0	0.0
US-431	313	5.2	0	0.0
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 1	604	10.1	0	0.0
OP 7	107	1.8	0	0.0
OP 8	102	1.7	0	0.0
OP 9	113	1.9	0	0.0
OP 10	134	2.2	0	0.0
OP 35	44	0.7	0	0.0
OP 36	23	0.4	0	0.0
OP 38	368	6.1	0	0.0
OP 39	159	2.6	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 37	0	0.0	0	0.0

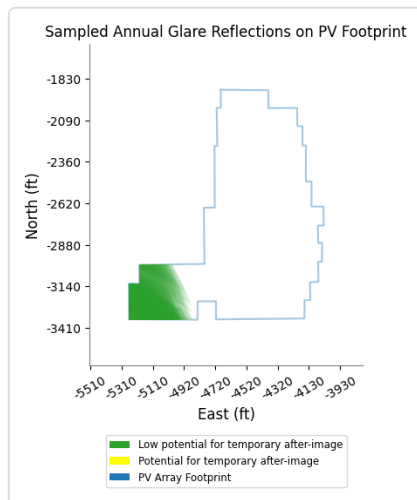
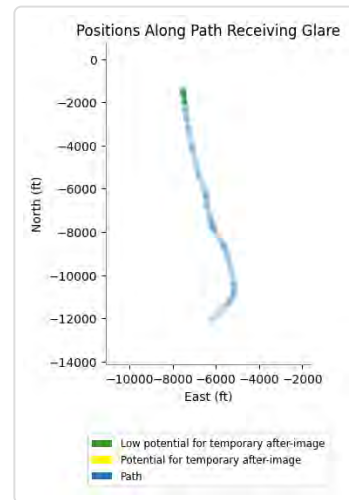
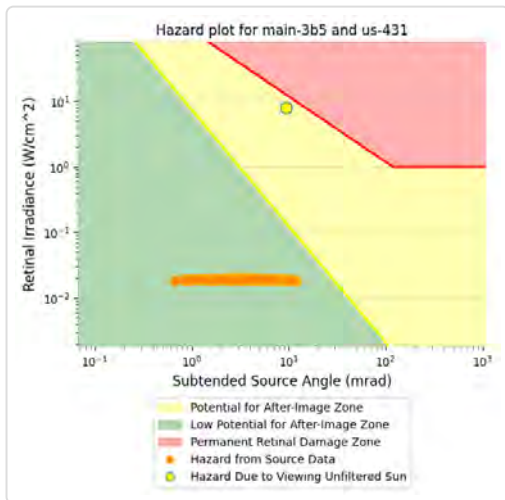
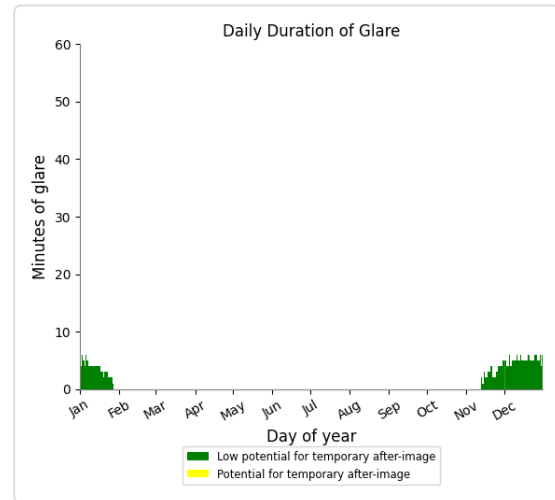
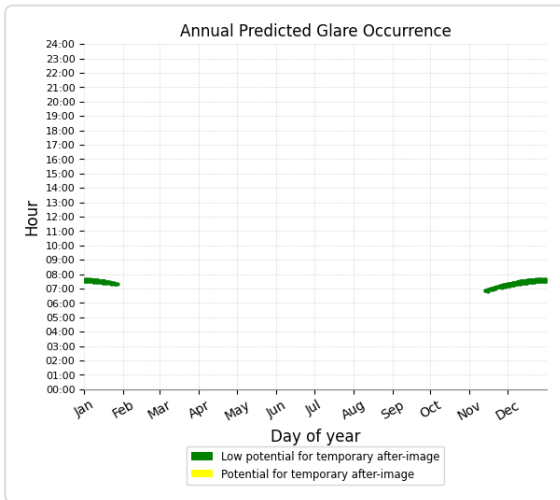
Main 3b5 and Route: SR-949

Yellow glare: none
 Green glare: 1,110 min.



Main 3b5 and Route: US-431

Yellow glare: none
Green glare: 313 min.



Main 3b5 and Route: Forge Mill Rd

No glare found

Main 3b5 and Route: Free Ln

No glare found

Main 3b5 and Route: Mason-Poyner Rd

No glare found

Main 3b5 and Route: Pendley Mill Rd

No glare found

Main 3b5 and FP: Bowling Green Regional 1

No glare found

Main 3b5 and FP: Bowling Green Regional 2

No glare found

Main 3b5 and FP: Bowling Green Regional 3

No glare found

Main 3b5 and FP: Bowling Green Regional 4

No glare found

Main 3b5 and FP: Muhlenberg County Airport 1

No glare found

Main 3b5 and FP: Muhlenberg County Airport 2

No glare found

Main 3b5 and FP: Russellville-Logan Airport 1

No glare found

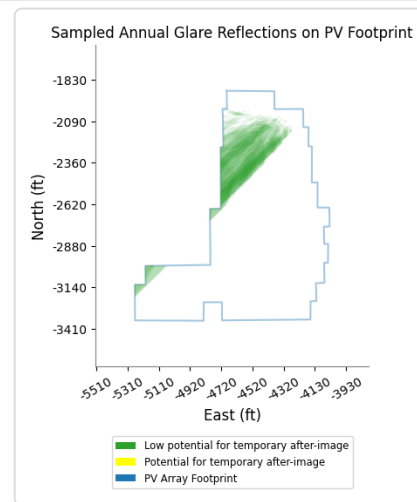
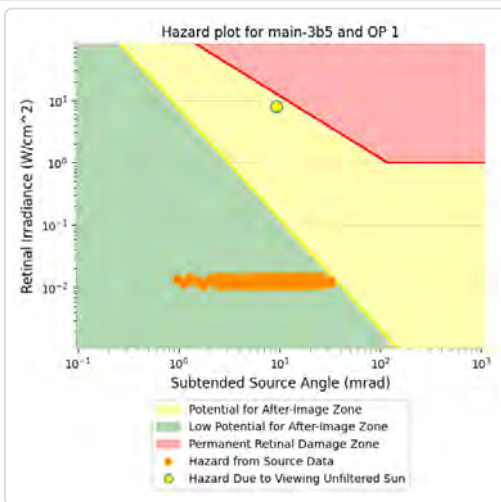
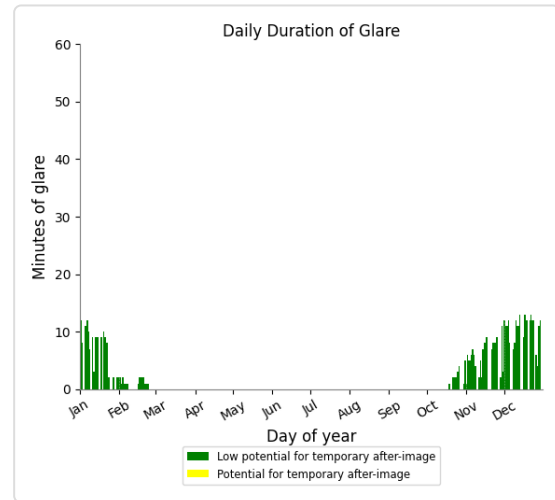
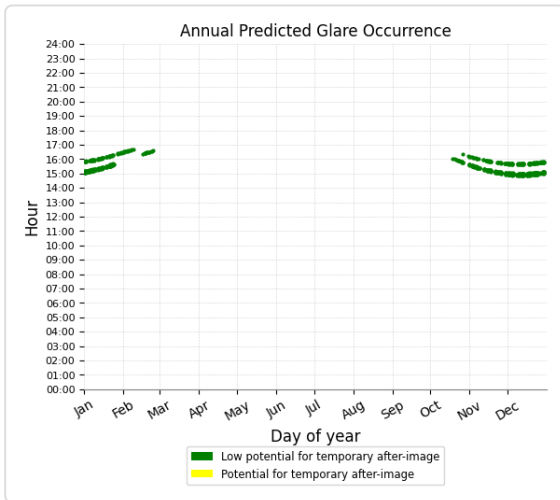
Main 3b5 and FP: Russellville-Logan Airport 2

No glare found

Main 3b5 and OP 1

Yellow glare: none

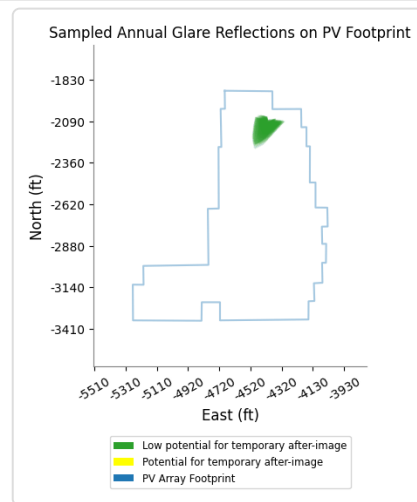
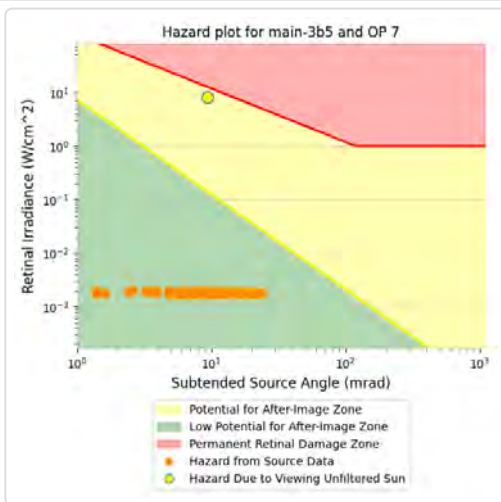
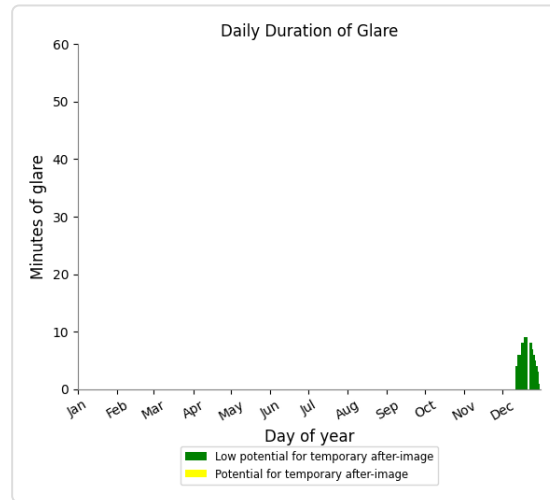
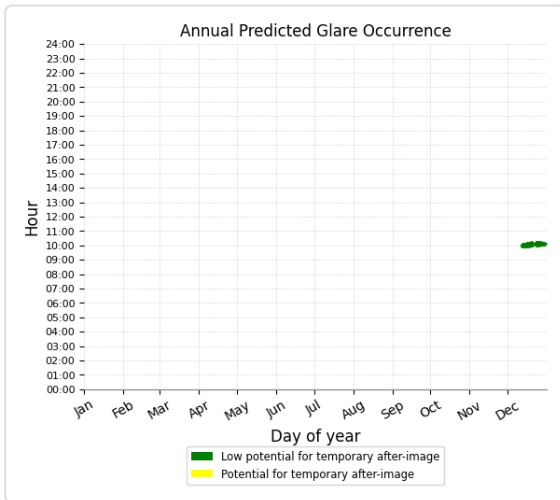
Green glare: 604 min.



Main 3b5 and OP 7

Yellow glare: none

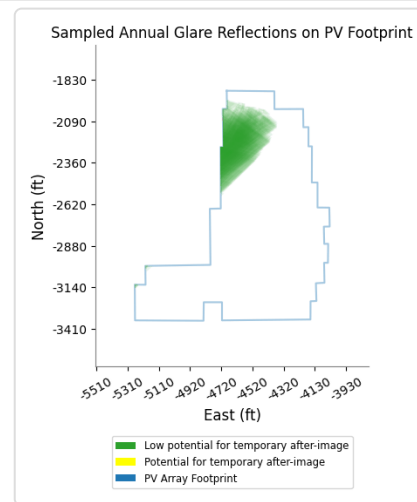
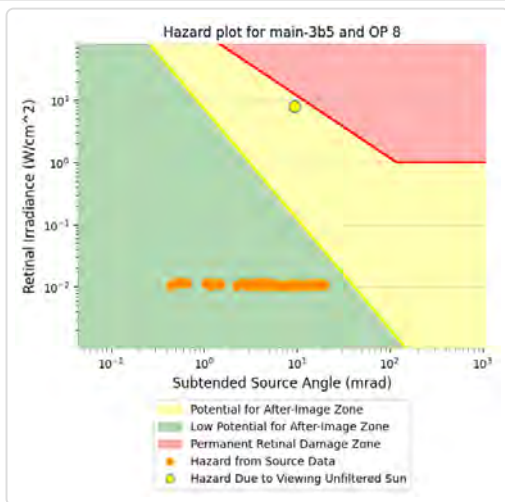
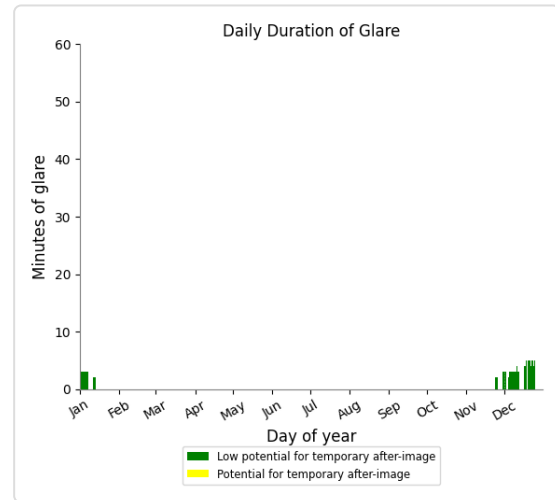
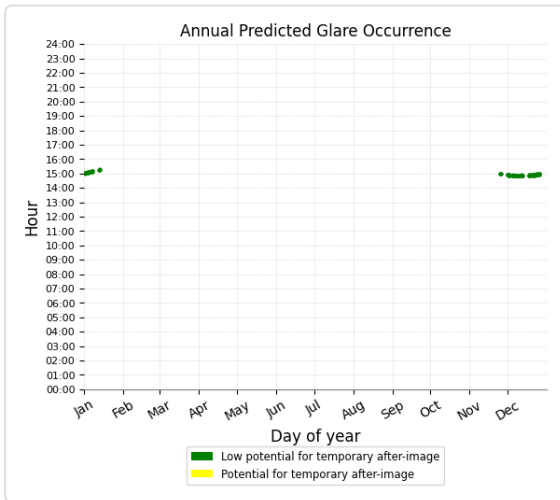
Green glare: 107 min.



Main 3b5 and OP 8

Yellow glare: none

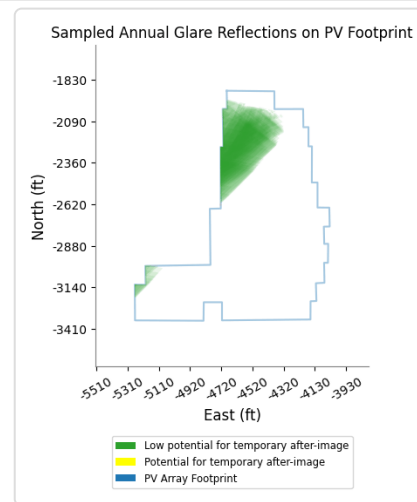
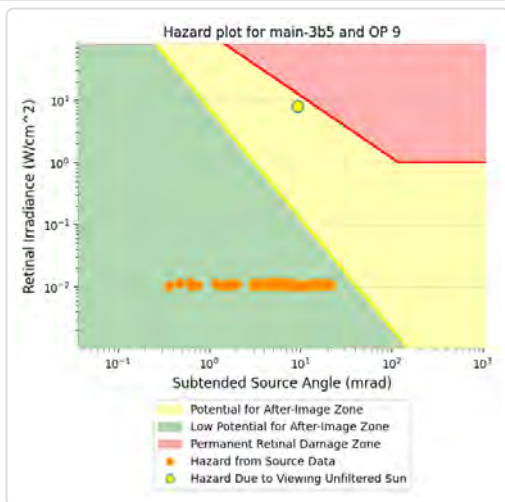
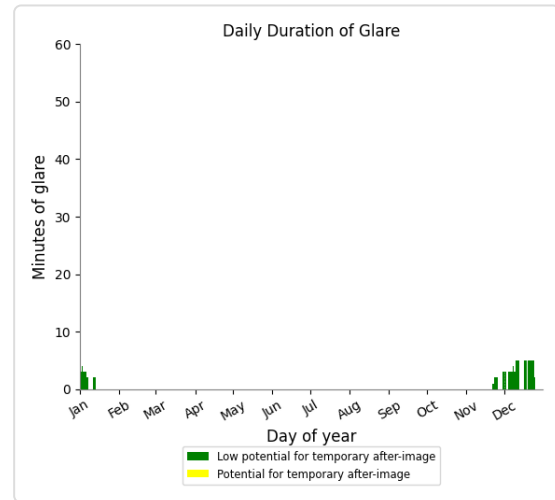
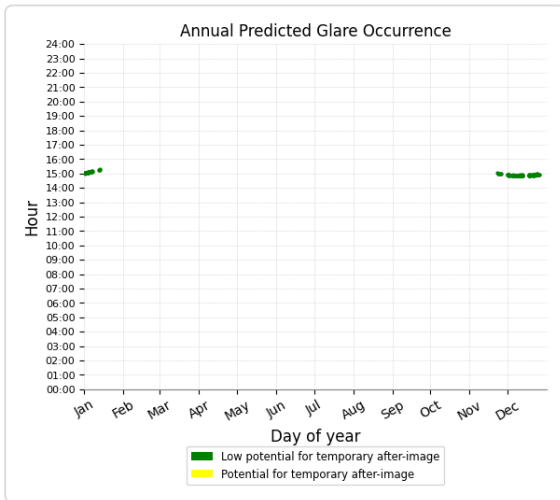
Green glare: 102 min.



Main 3b5 and OP 9

Yellow glare: none

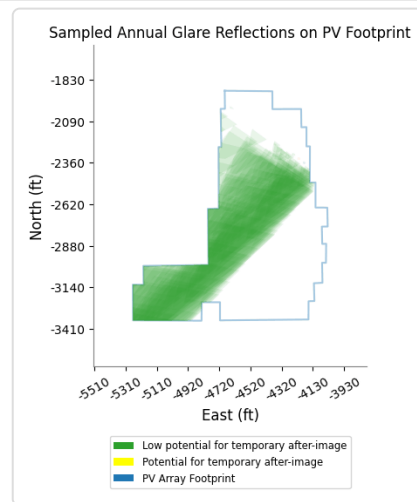
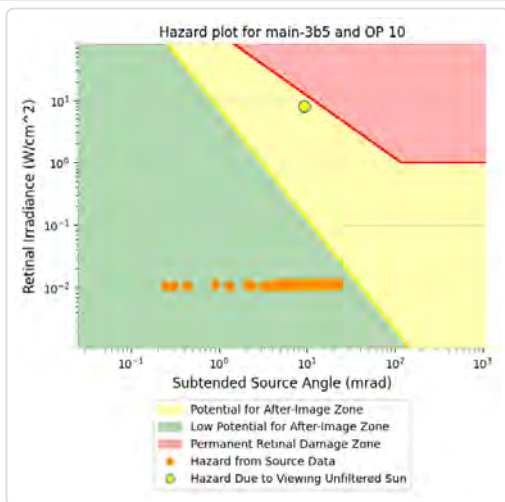
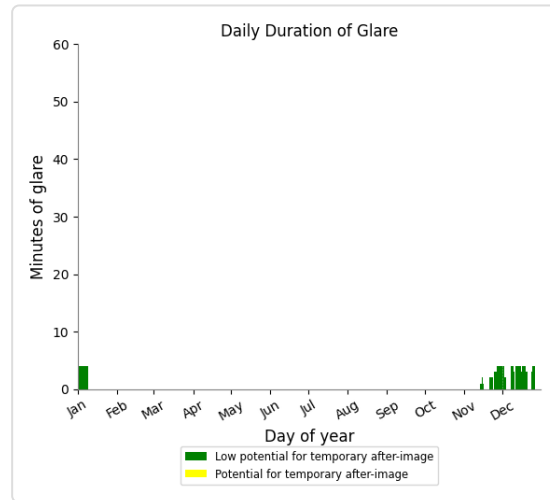
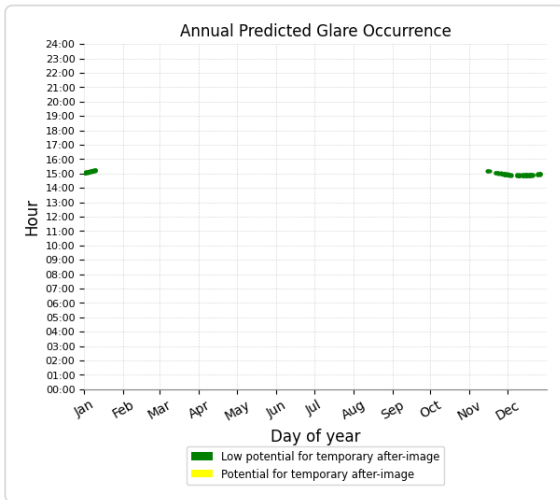
Green glare: 113 min.



Main 3b5 and OP 10

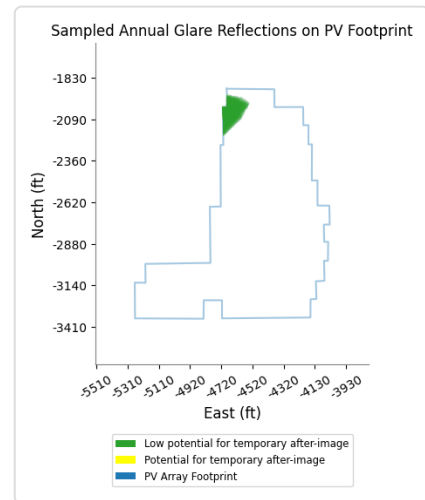
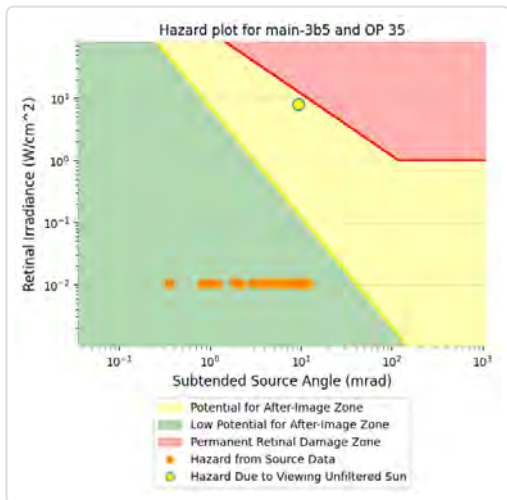
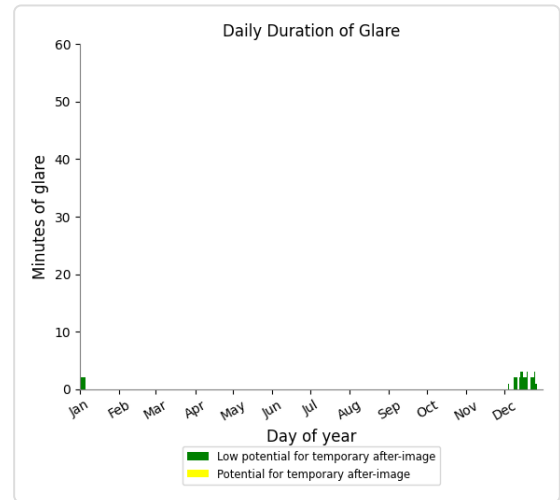
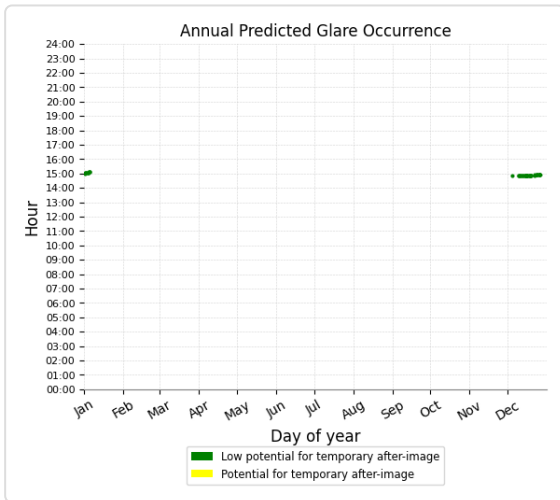
Yellow glare: none

Green glare: 134 min.



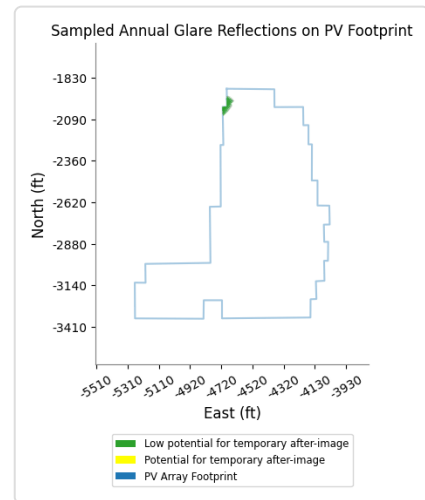
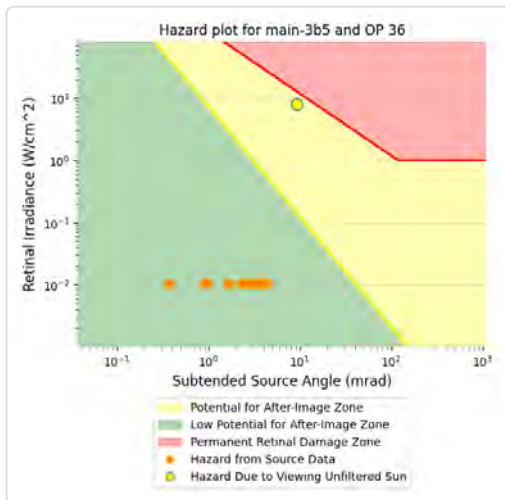
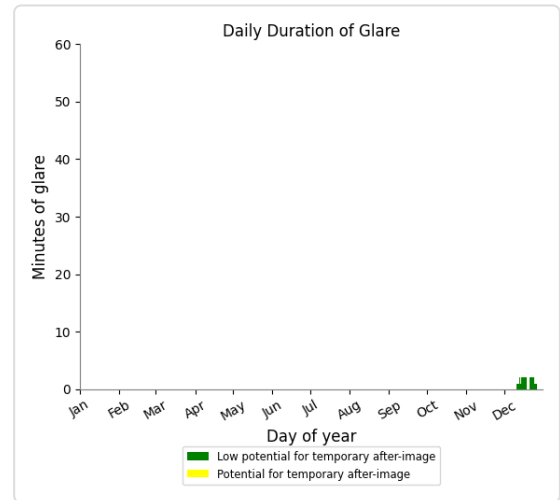
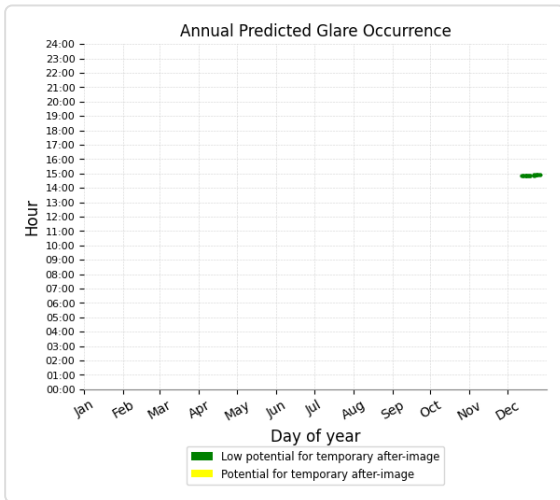
Main 3b5 and OP 35

Yellow glare: none
 Green glare: 44 min.



Main 3b5 and OP 36

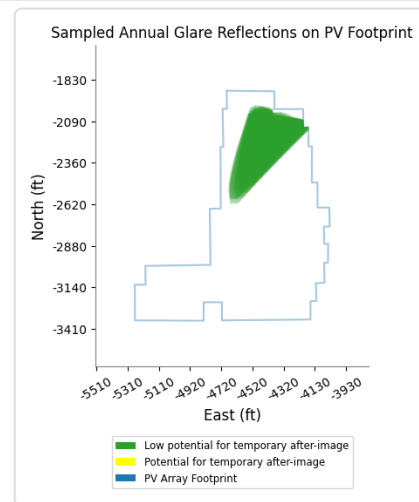
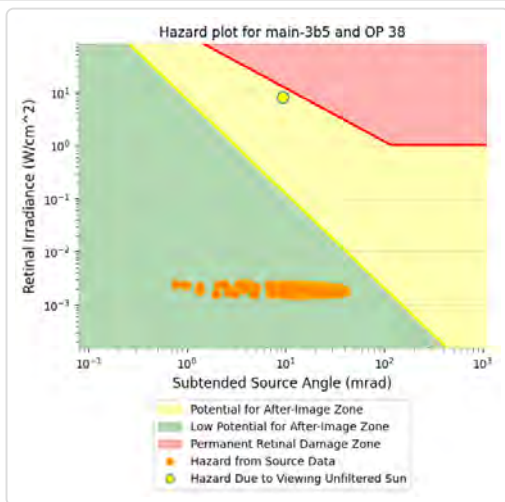
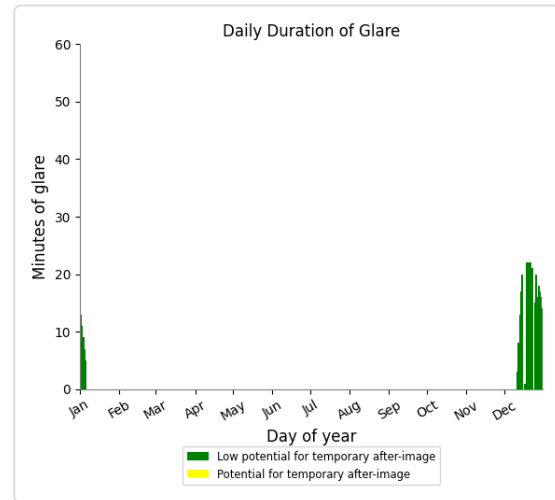
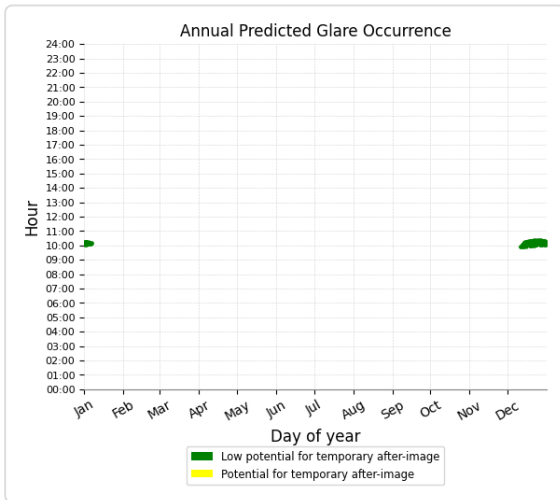
Yellow glare: none
 Green glare: 23 min.



Main 3b5 and OP 38

Yellow glare: none

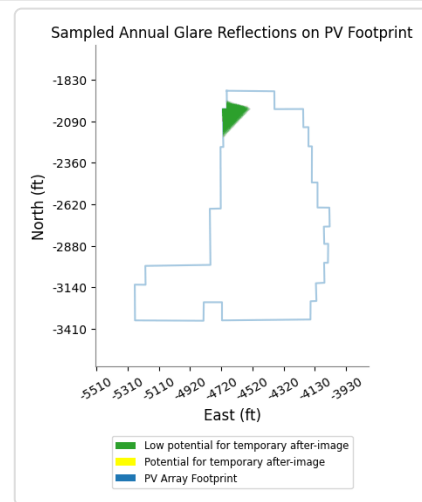
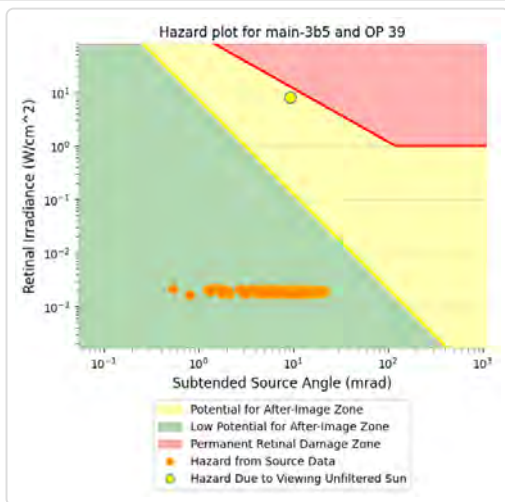
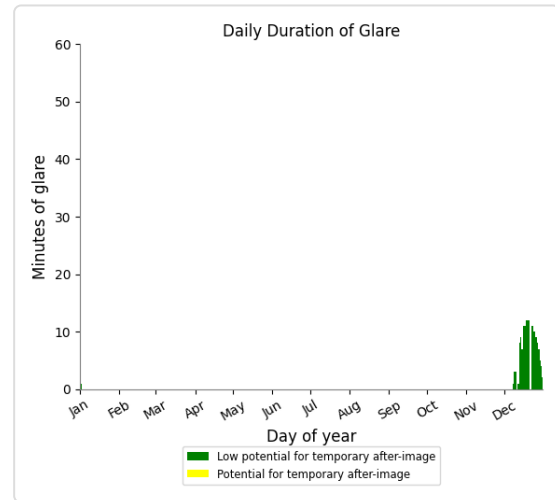
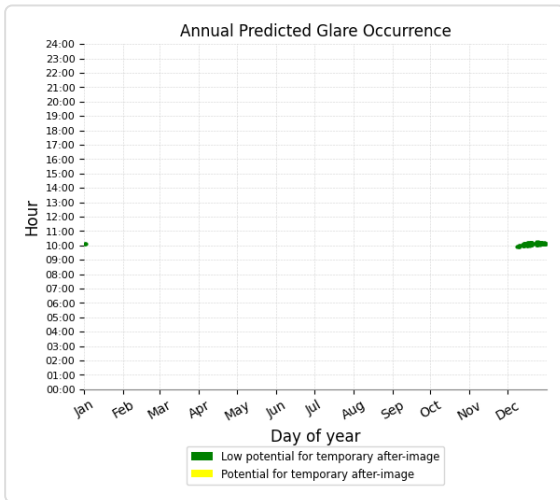
Green glare: 368 min.



Main 3b5 and OP 39

Yellow glare: none

Green glare: 159 min.



Main 3b5 and OP 2

No glare found

Main 3b5 and OP 3

No glare found

Main 3b5 and OP 4

No glare found

Main 3b5 and OP 5

No glare found

Main 3b5 and OP 6

No glare found

Main 3b5 and OP 11

No glare found

Main 3b5 and OP 12

No glare found

Main 3b5 and OP 13

No glare found

Main 3b5 and OP 14

No glare found

Main 3b5 and OP 15

No glare found

Main 3b5 and OP 16

No glare found

Main 3b5 and OP 17

No glare found

Main 3b5 and OP 18

No glare found

Main 3b5 and OP 19

No glare found

Main 3b5 and OP 20

No glare found

Main 3b5 and OP 21

No glare found

Main 3b5 and OP 22

No glare found

Main 3b5 and OP 23

No glare found

Main 3b5 and OP 24

No glare found

Main 3b5 and OP 25

No glare found

Main 3b5 and OP 26

No glare found

Main 3b5 and OP 27

No glare found

Main 3b5 and OP 28

No glare found

Main 3b5 and OP 29

No glare found

Main 3b5 and OP 30

No glare found

Main 3b5 and OP 31

No glare found

Main 3b5 and OP 32

No glare found

Main 3b5 and OP 33

No glare found

Main 3b5 and OP 34

No glare found

Main 3b5 and OP 37

No glare found

PV: Main 3b6 no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
SR-949	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

Main 3b6 and Route: Forgy Mill Rd

No glare found

Main 3b6 and Route: Free Ln

No glare found

Main 3b6 and Route: Mason-Poyner Rd

No glare found

Main 3b6 and Route: Pendley Mill Rd

No glare found

Main 3b6 and Route: SR-949

No glare found

Main 3b6 and Route: US-431

No glare found

Main 3b6 and FP: Bowling Green Regional 1

No glare found

Main 3b6 and FP: Bowling Green Regional 2

No glare found

Main 3b6 and FP: Bowling Green Regional 3

No glare found

Main 3b6 and FP: Bowling Green Regional 4

No glare found

Main 3b6 and FP: Muhlenberg County Airport 1

No glare found

Main 3b6 and FP: Muhlenberg County Airport 2

No glare found

Main 3b6 and FP: Russellville-Logan Airport 1

No glare found

Main 3b6 and FP: Russellville-Logan Airport 2

No glare found

Main 3b6 and OP 1

No glare found

Main 3b6 and OP 2

No glare found

Main 3b6 and OP 3

No glare found

Main 3b6 and OP 4

No glare found

Main 3b6 and OP 5

No glare found

Main 3b6 and OP 6

No glare found

Main 3b6 and OP 7

No glare found

Main 3b6 and OP 8

No glare found

Main 3b6 and OP 9

No glare found

Main 3b6 and OP 10

No glare found

Main 3b6 and OP 11

No glare found

Main 3b6 and OP 12

No glare found

Main 3b6 and OP 13

No glare found

Main 3b6 and OP 14

No glare found

Main 3b6 and OP 15

No glare found

Main 3b6 and OP 16

No glare found

Main 3b6 and OP 17

No glare found

Main 3b6 and OP 18

No glare found

Main 3b6 and OP 19

No glare found

Main 3b6 and OP 20

No glare found

Main 3b6 and OP 21

No glare found

Main 3b6 and OP 22

No glare found

Main 3b6 and OP 23

No glare found

Main 3b6 and OP 24

No glare found

Main 3b6 and OP 25

No glare found

Main 3b6 and OP 26

No glare found

Main 3b6 and OP 27

No glare found

Main 3b6 and OP 28

No glare found

Main 3b6 and OP 29

No glare found

Main 3b6 and OP 30

No glare found

Main 3b6 and OP 31

No glare found

Main 3b6 and OP 32

No glare found

Main 3b6 and OP 33

No glare found

Main 3b6 and OP 34

No glare found

Main 3b6 and OP 35

No glare found

Main 3b6 and OP 36

No glare found

Main 3b6 and OP 37

No glare found

Main 3b6 and OP 38

No glare found

Main 3b6 and OP 39

No glare found

PV: Main 3b7 potential temporary after-image

Receptor results ordered by category of glare

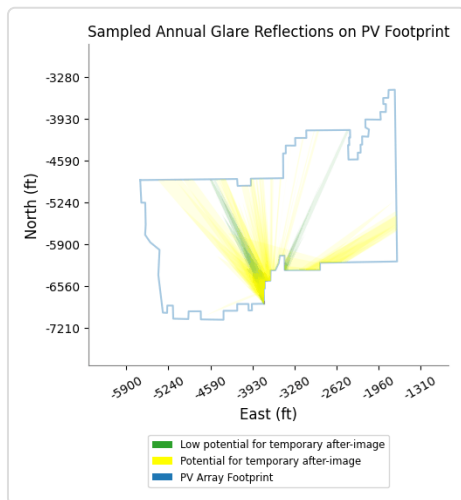
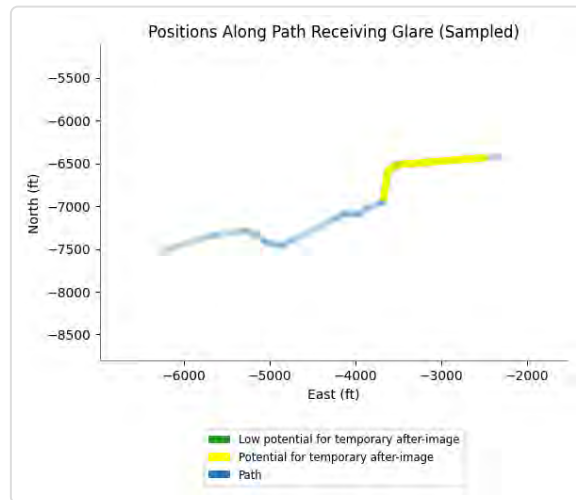
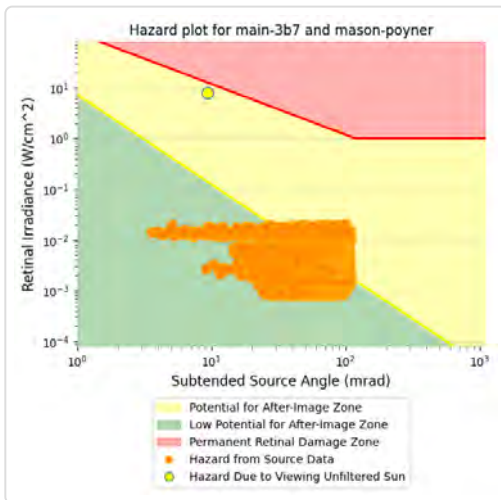
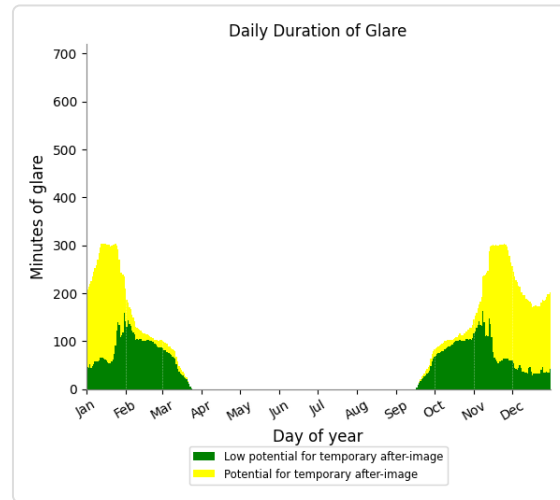
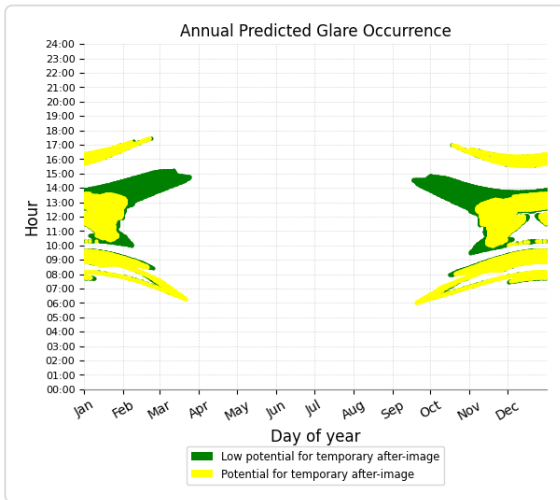
Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Mason-Poyner Rd	13,865	231.1	17,255	287.6
US-431	2,275	37.9	227	3.8
Free Ln	2,577	43.0	0	0.0
Forgy Mill Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
SR-949	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 2	1,828	30.5	0	0.0
OP 3	2,980	49.7	0	0.0
OP 4	3,303	55.0	0	0.0
OP 5	2,043	34.0	0	0.0
OP 6	1,577	26.3	0	0.0
OP 7	887	14.8	0	0.0
OP 8	693	11.6	0	0.0
OP 9	824	13.7	0	0.0
OP 10	438	7.3	0	0.0
OP 11	64	1.1	0	0.0
OP 25	338	5.6	0	0.0
OP 26	106	1.8	0	0.0
OP 28	244	4.1	0	0.0
OP 34	567	9.4	0	0.0
OP 35	914	15.2	0	0.0
OP 36	929	15.5	0	0.0
OP 37	1,158	19.3	0	0.0
OP 38	1,415	23.6	0	0.0
OP 39	1,110	18.5	0	0.0
OP 1	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0

Main 3b7 and Route: Mason-Poyner Rd

Yellow glare: 17,255 min.

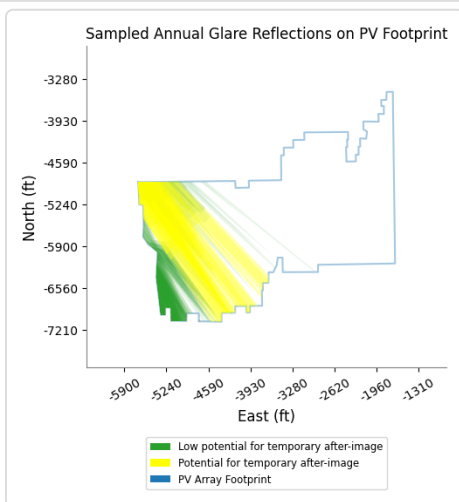
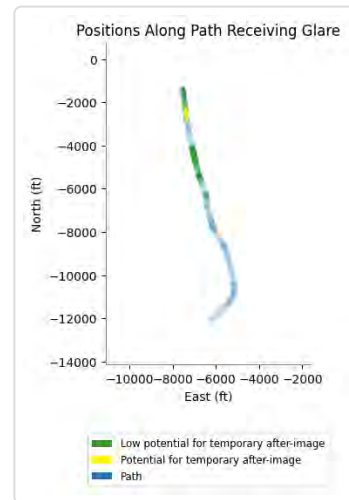
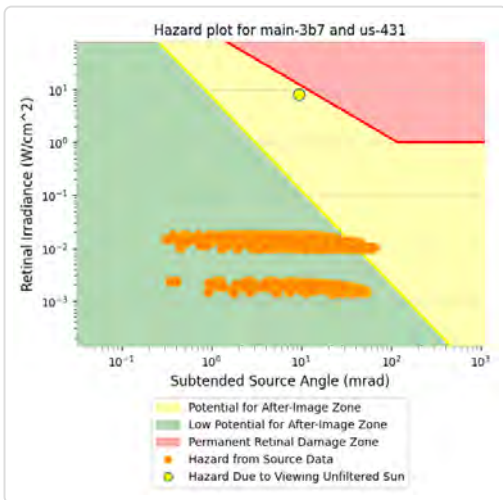
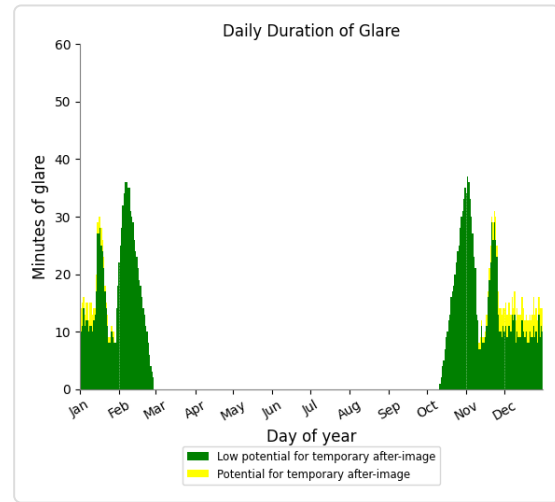
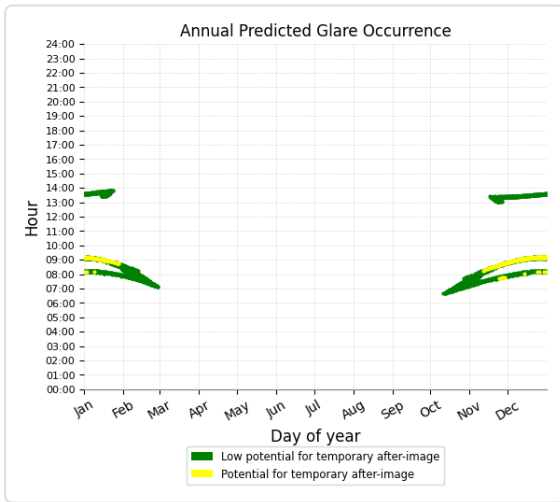
Green glare: 13,865 min.



Main 3b7 and Route: US-431

Yellow glare: 227 min.

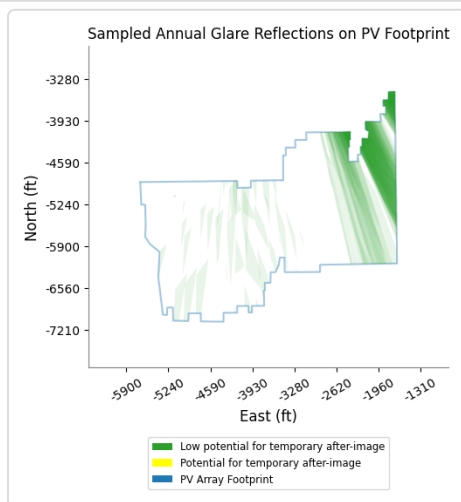
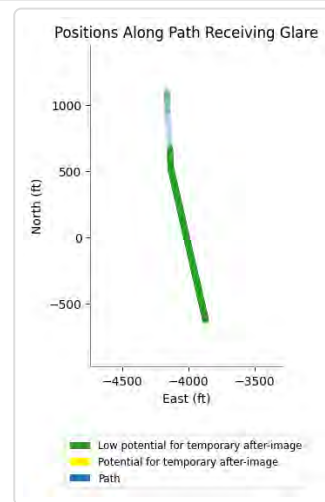
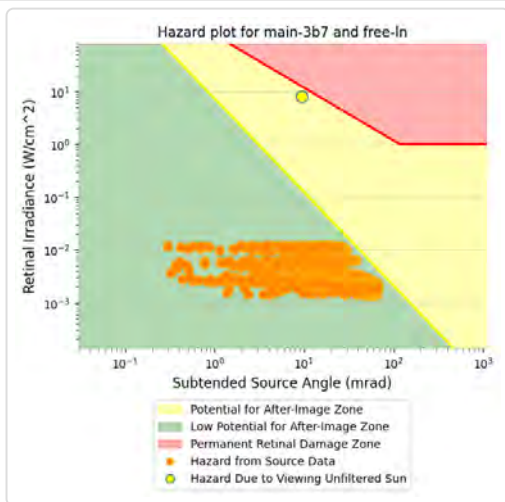
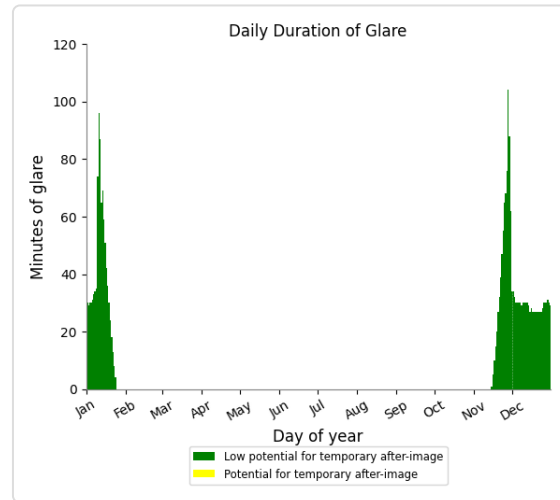
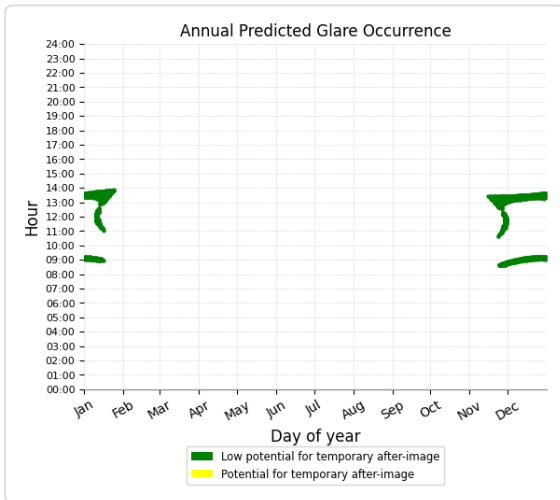
Green glare: 2,275 min.



Main 3b7 and Route: Free Ln

Yellow glare: none

Green glare: 2,577 min.



Main 3b7 and Route: Forgy Mill Rd

No glare found

Main 3b7 and Route: Pendley Mill Rd

No glare found

Main 3b7 and Route: SR-949

No glare found

Main 3b7 and FP: Bowling Green Regional 1

No glare found

Main 3b7 and FP: Bowling Green Regional 2

No glare found

Main 3b7 and FP: Bowling Green Regional 3

No glare found

Main 3b7 and FP: Bowling Green Regional 4

No glare found

Main 3b7 and FP: Muhlenberg County Airport 1

No glare found

Main 3b7 and FP: Muhlenberg County Airport 2

No glare found

Main 3b7 and FP: Russellville-Logan Airport 1

No glare found

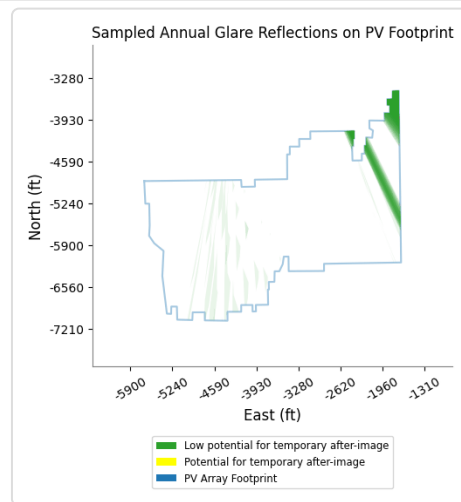
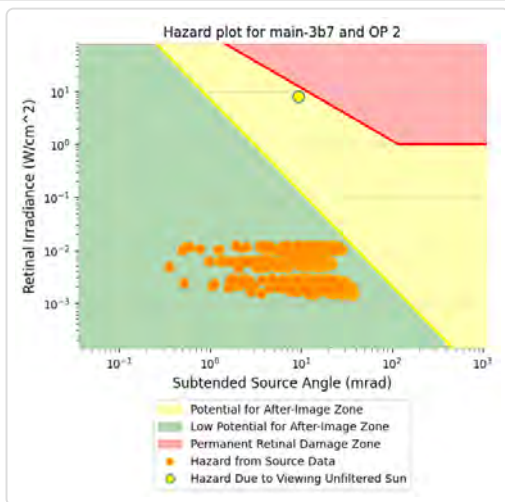
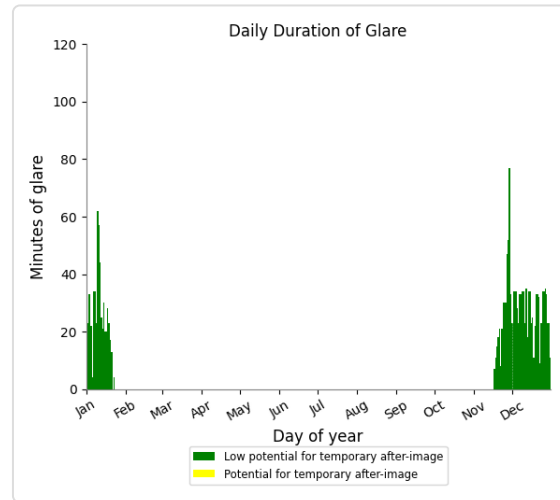
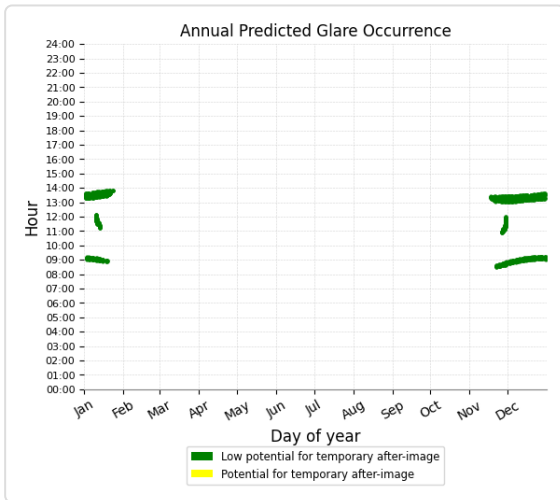
Main 3b7 and FP: Russellville-Logan Airport 2

No glare found

Main 3b7 and OP 2

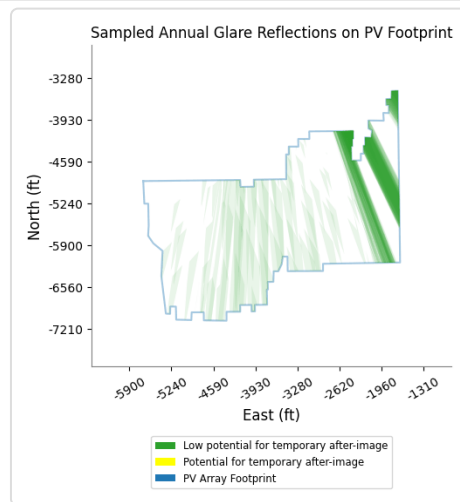
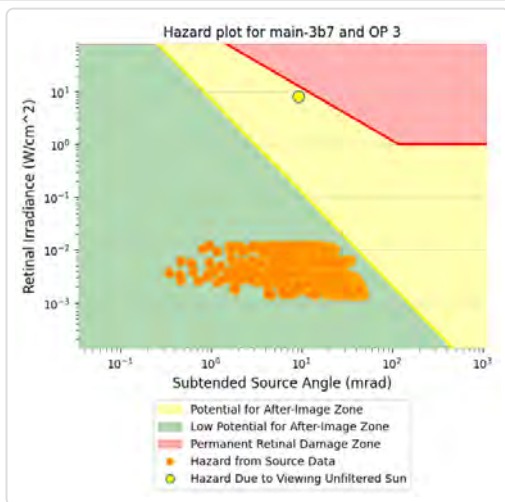
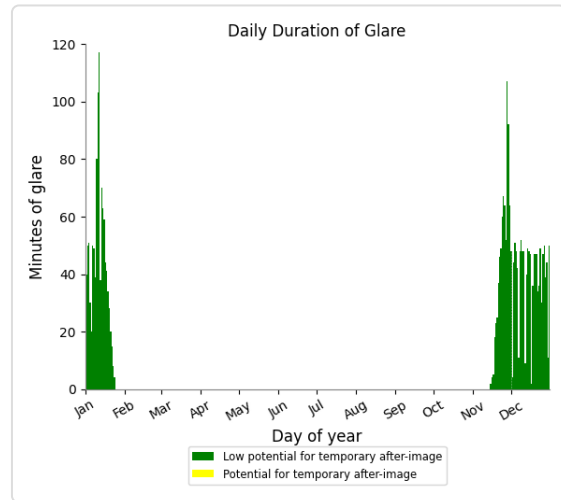
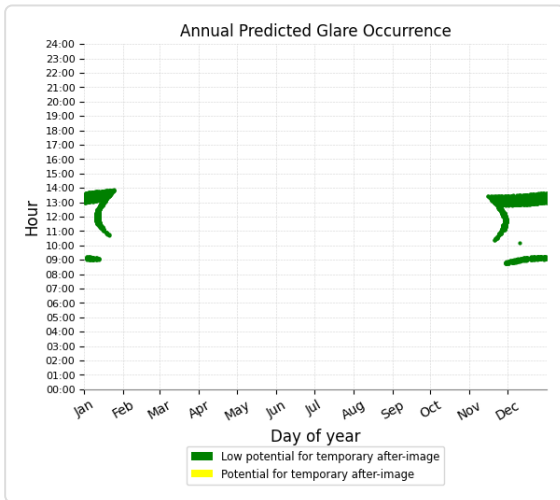
Yellow glare: none

Green glare: 1,828 min.



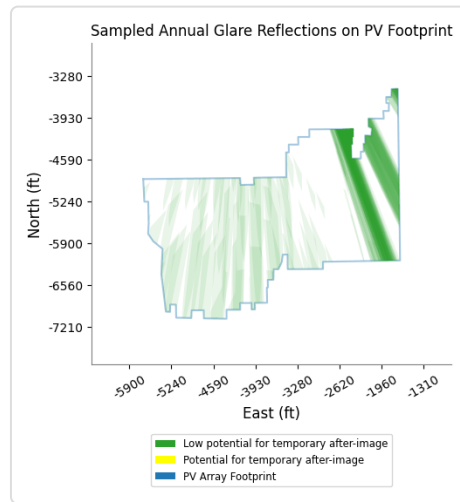
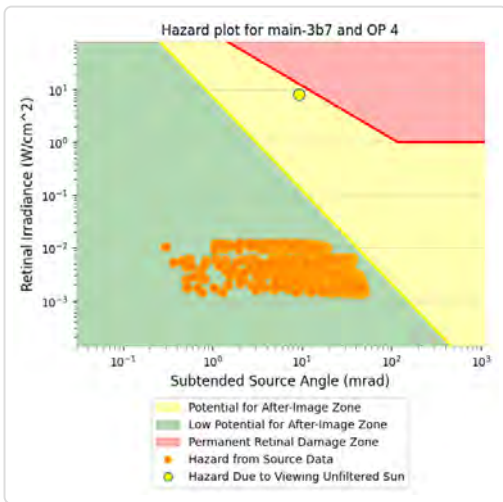
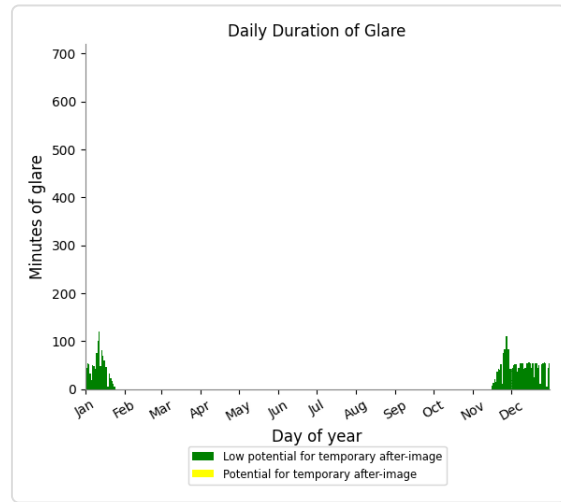
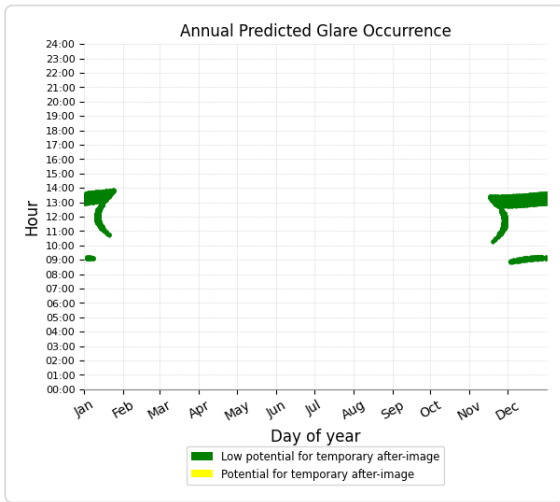
Main 3b7 and OP 3

Yellow glare: none
 Green glare: 2,980 min.



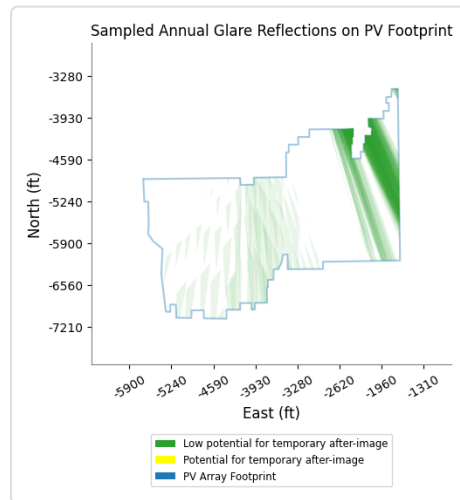
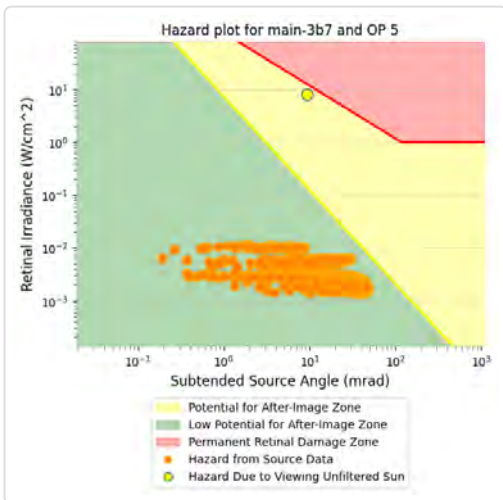
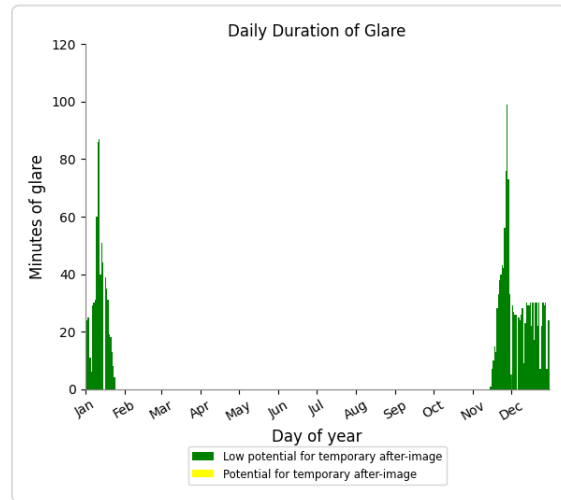
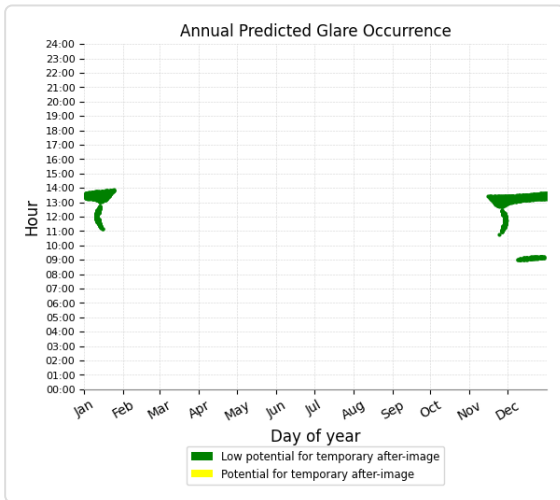
Main 3b7 and OP 4

Yellow glare: none
 Green glare: 3,303 min.



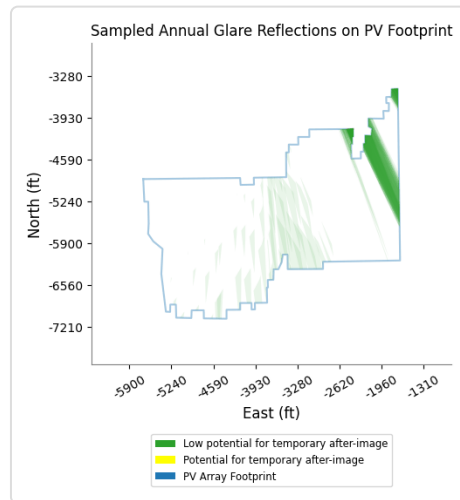
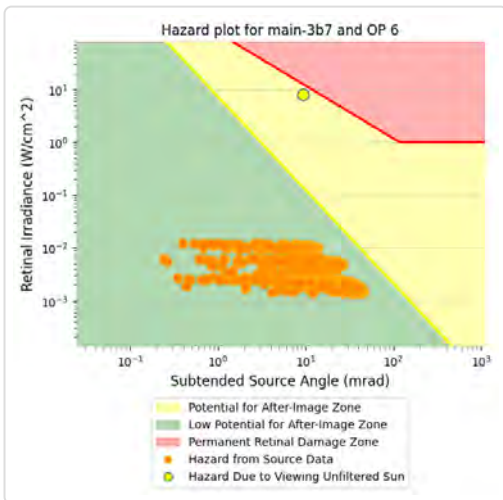
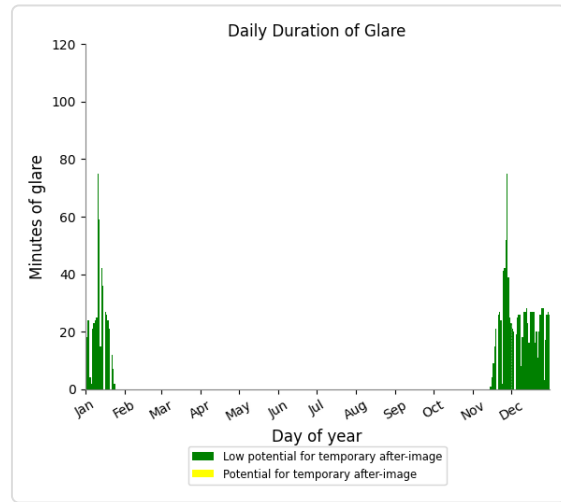
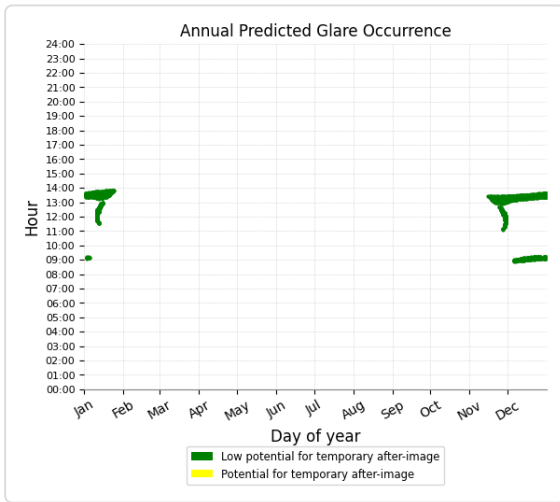
Main 3b7 and OP 5

Yellow glare: none
 Green glare: 2,043 min.



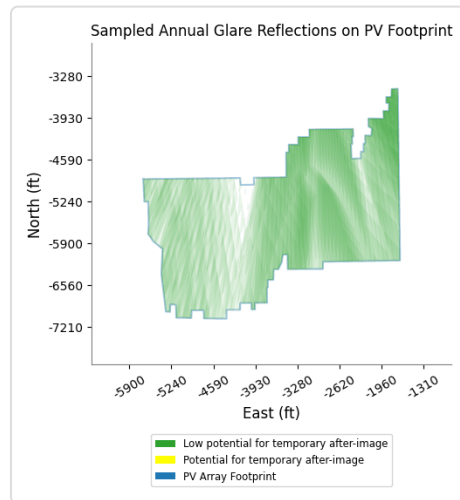
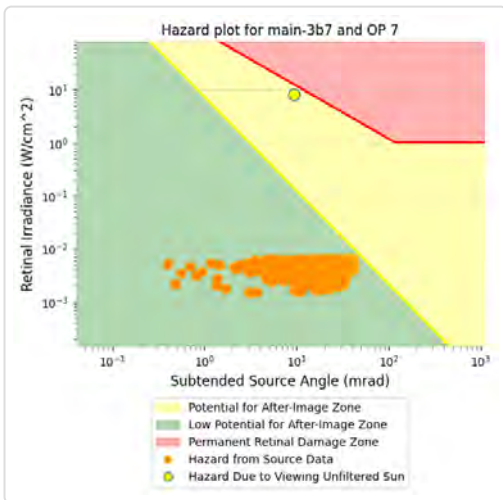
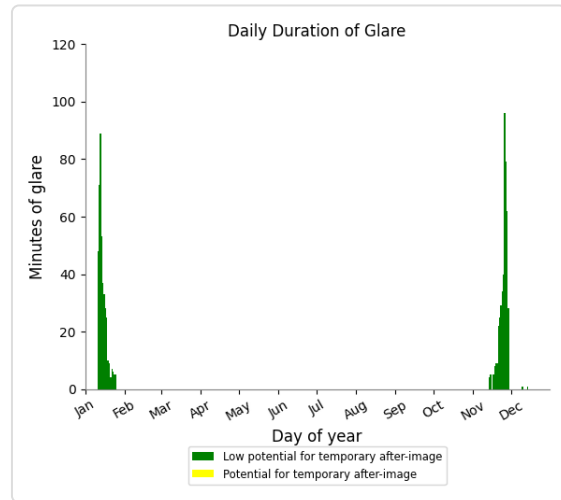
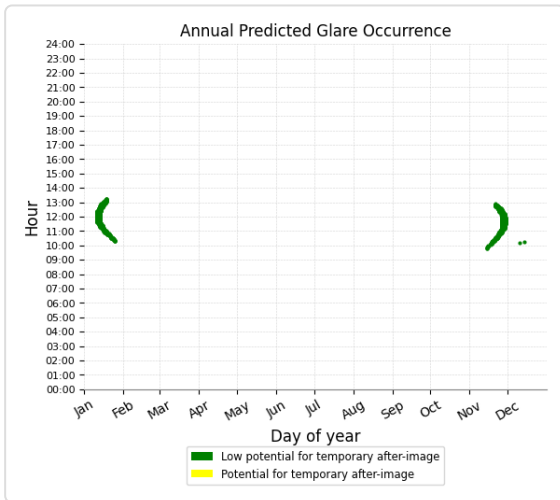
Main 3b7 and OP 6

Yellow glare: none
 Green glare: 1,577 min.



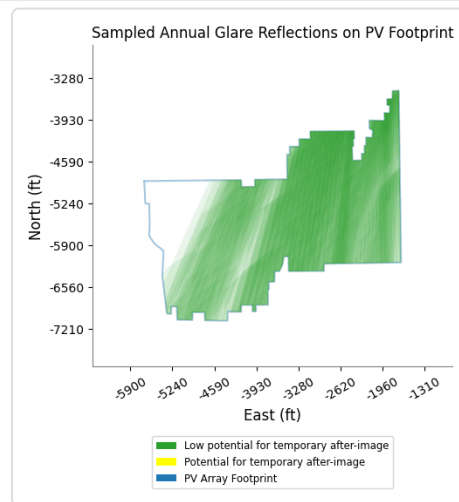
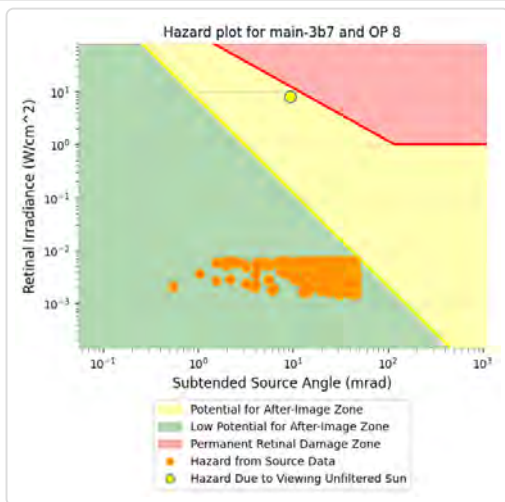
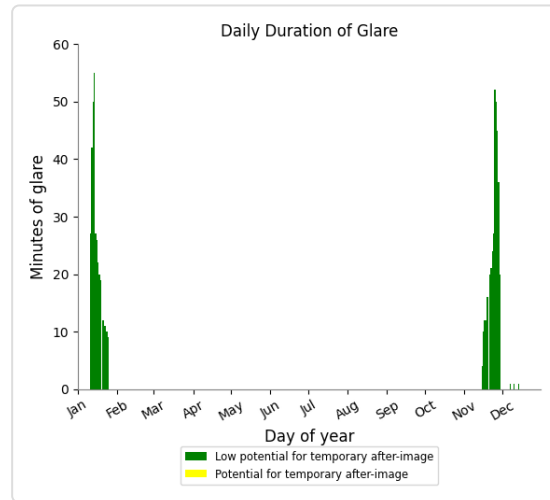
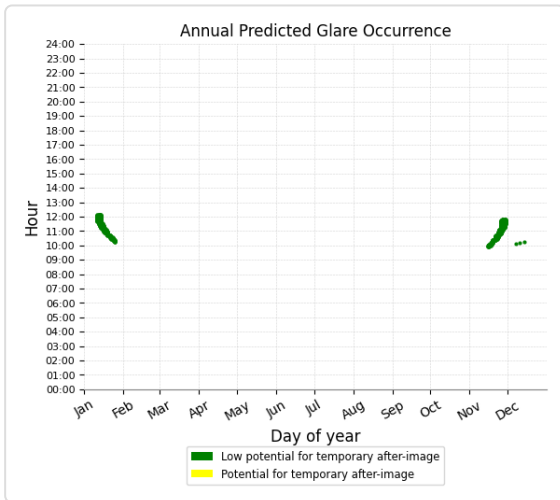
Main 3b7 and OP 7

Yellow glare: none
 Green glare: 887 min.



Main 3b7 and OP 8

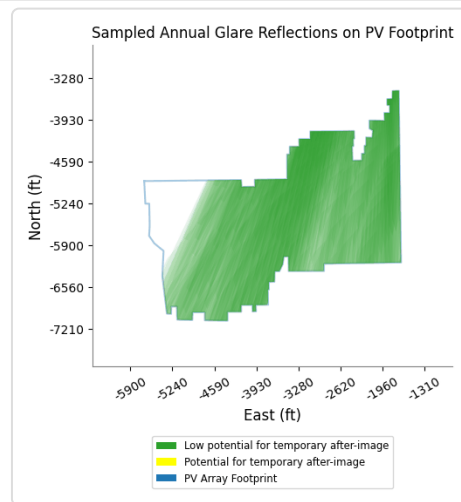
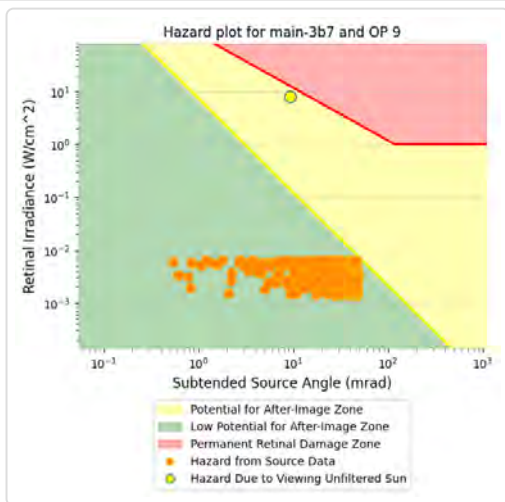
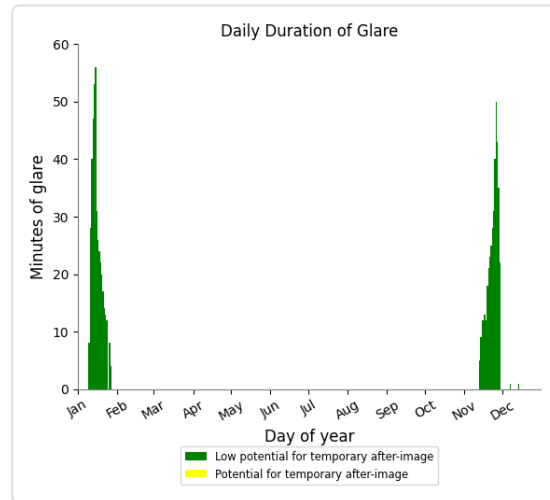
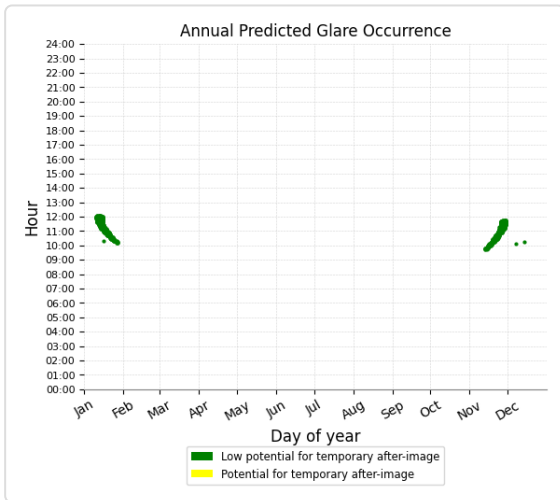
Yellow glare: none
 Green glare: 693 min.



Main 3b7 and OP 9

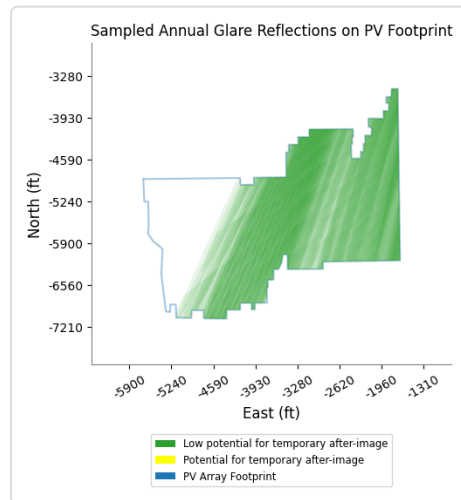
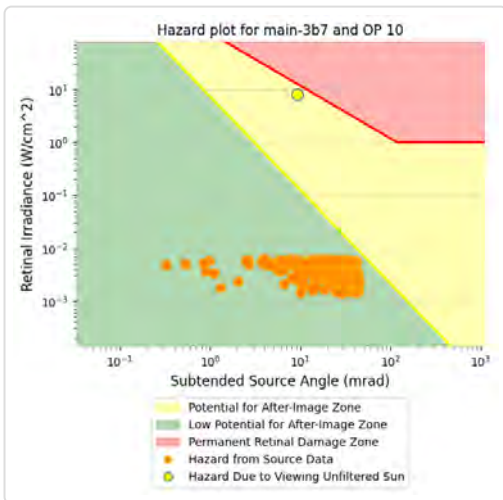
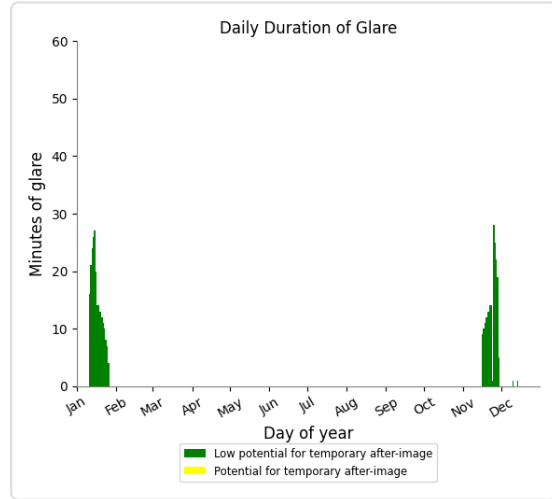
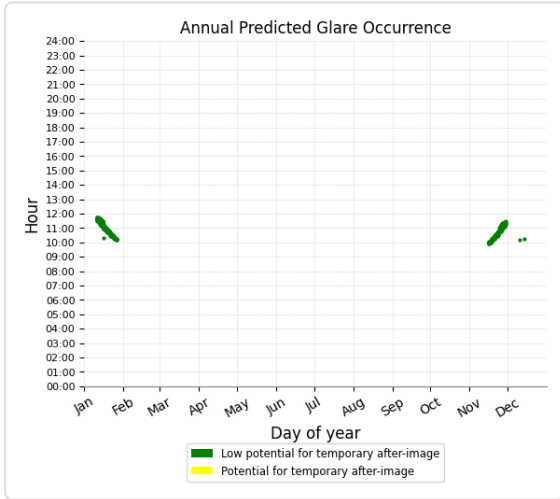
Yellow glare: none

Green glare: 824 min.



Main 3b7 and OP 10

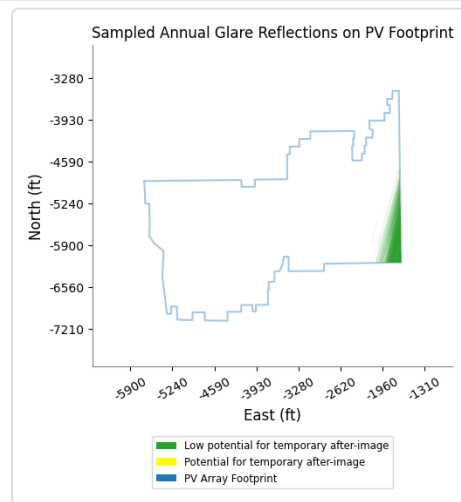
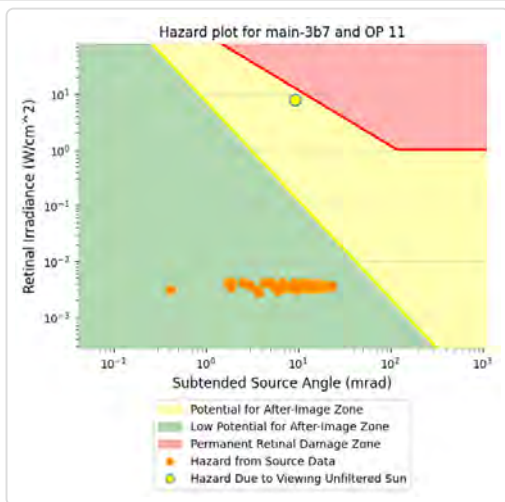
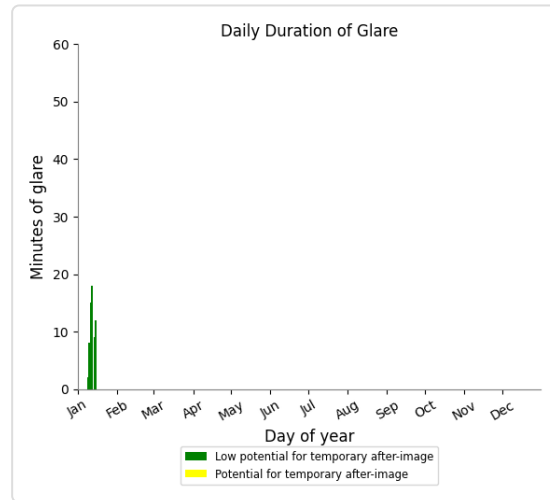
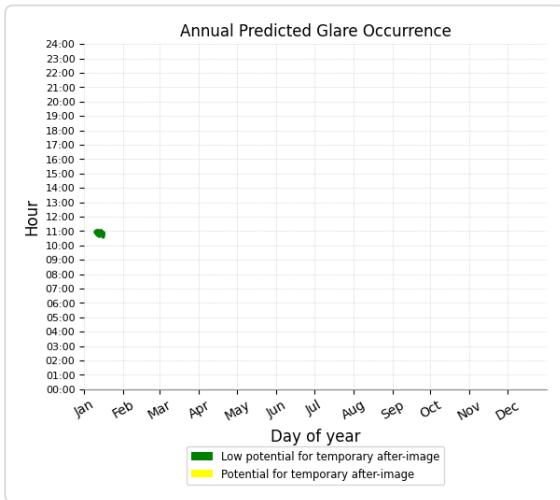
Yellow glare: none
 Green glare: 438 min.



Main 3b7 and OP 11

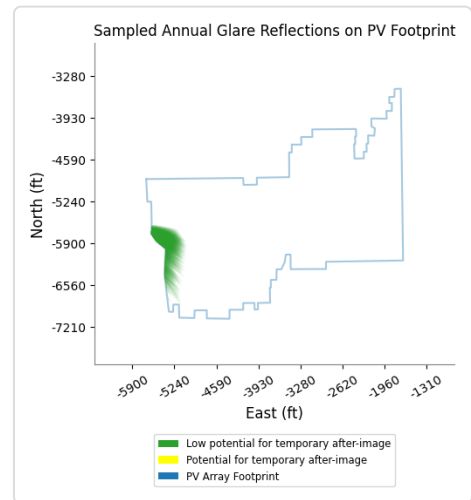
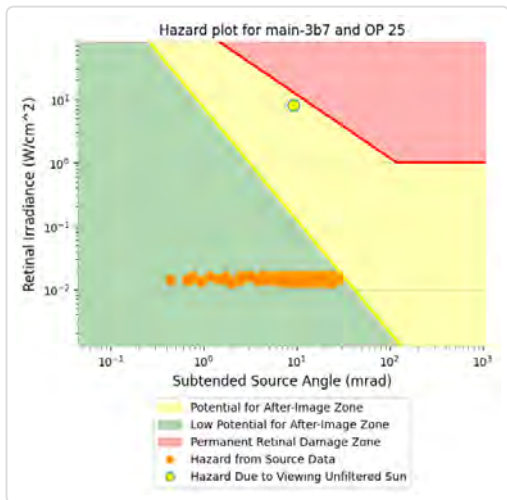
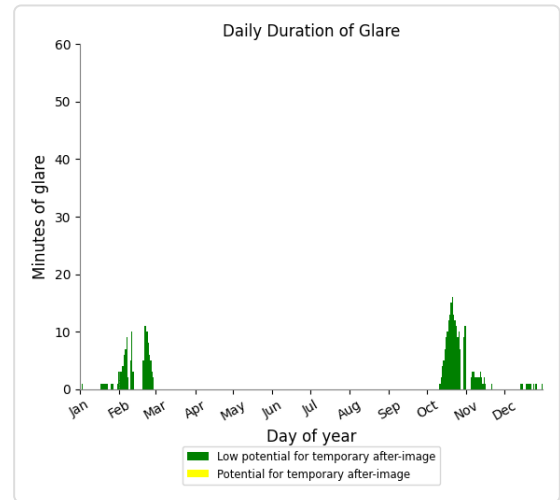
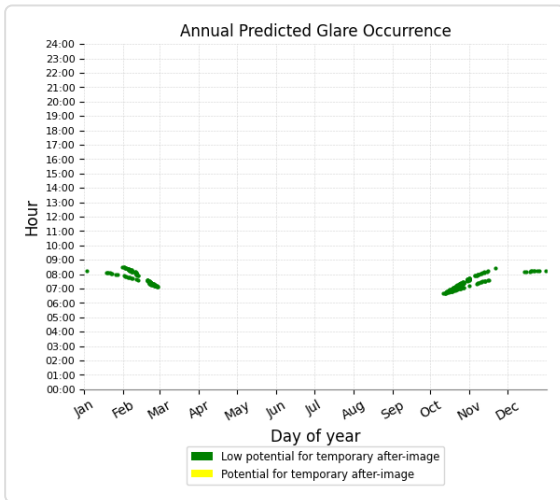
Yellow glare: none

Green glare: 64 min.



Main 3b7 and OP 25

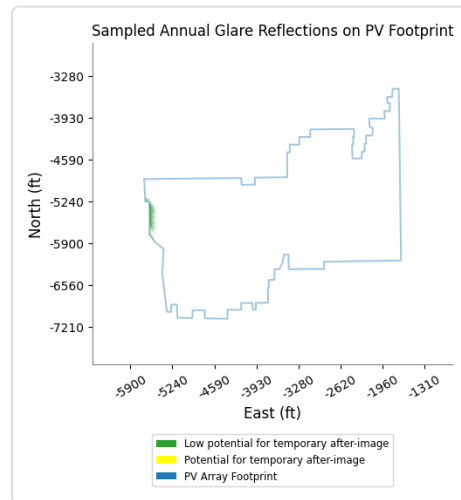
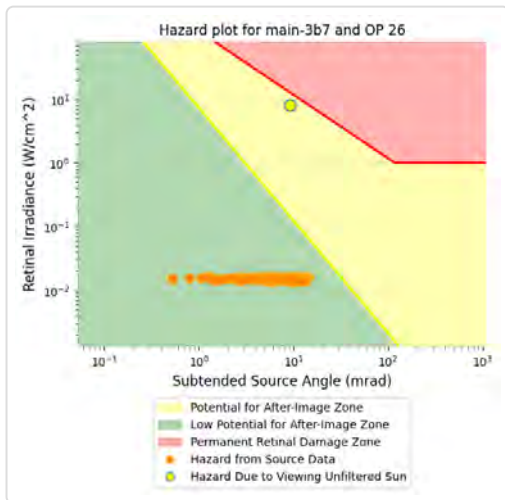
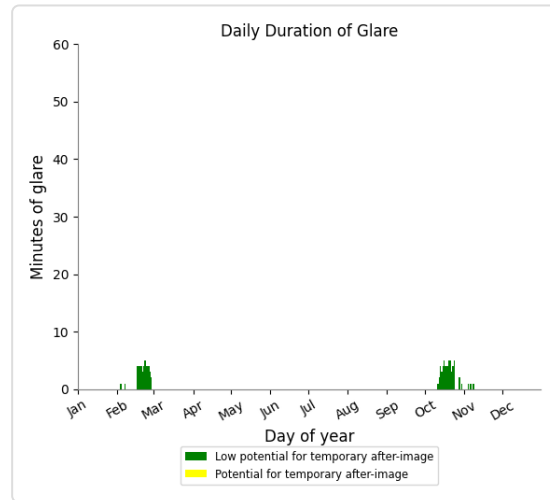
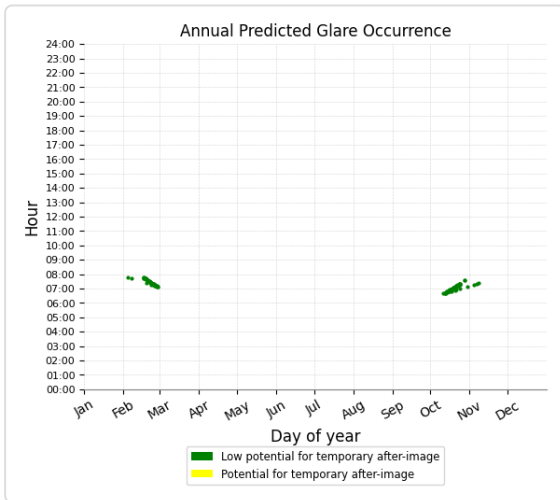
Yellow glare: none
 Green glare: 338 min.



Main 3b7 and OP 26

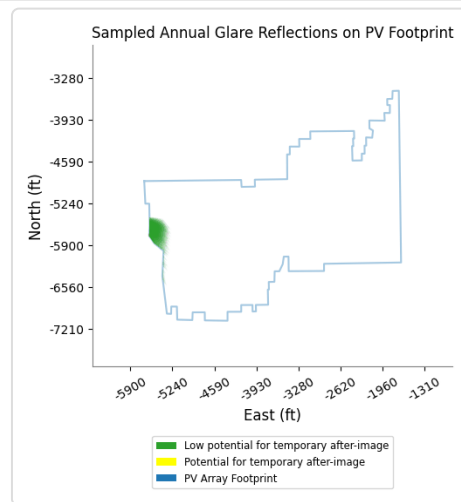
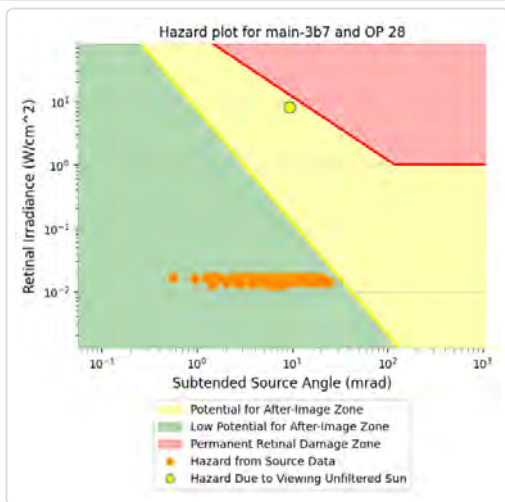
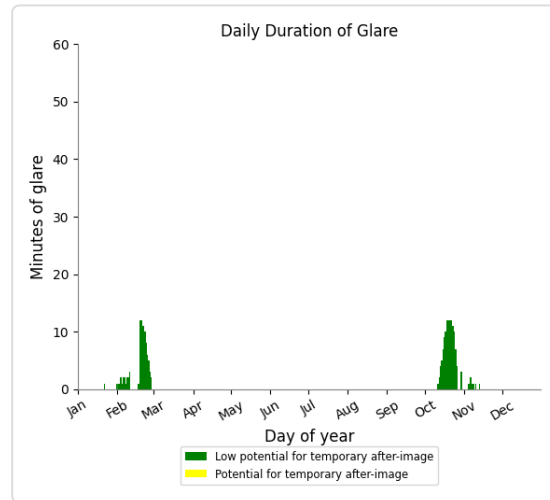
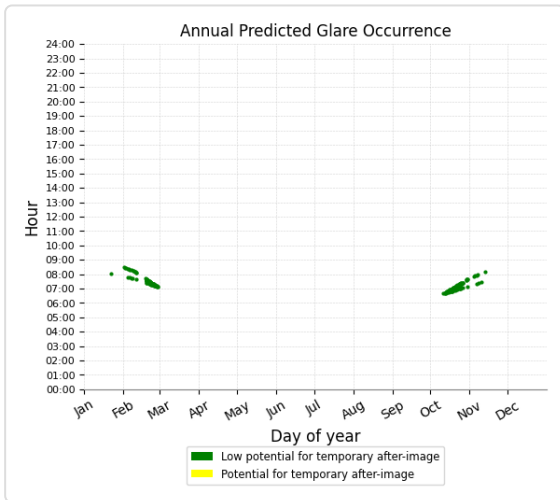
Yellow glare: none

Green glare: 106 min.



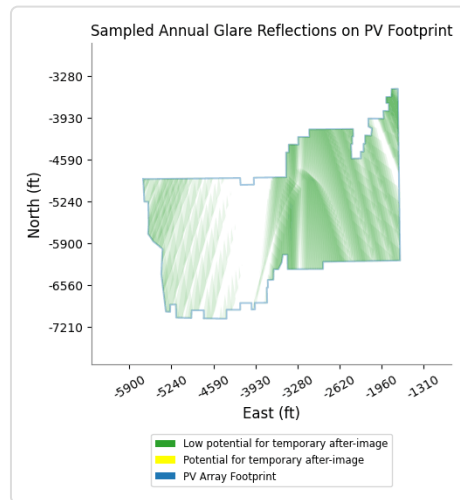
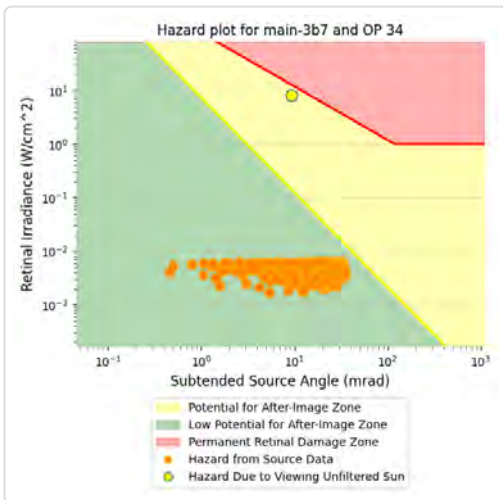
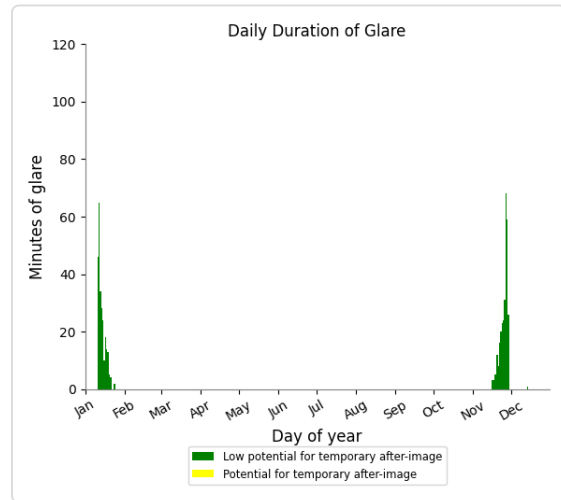
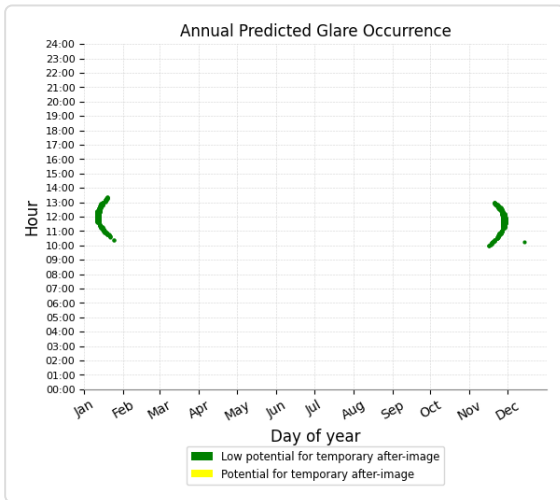
Main 3b7 and OP 28

Yellow glare: none
 Green glare: 244 min.



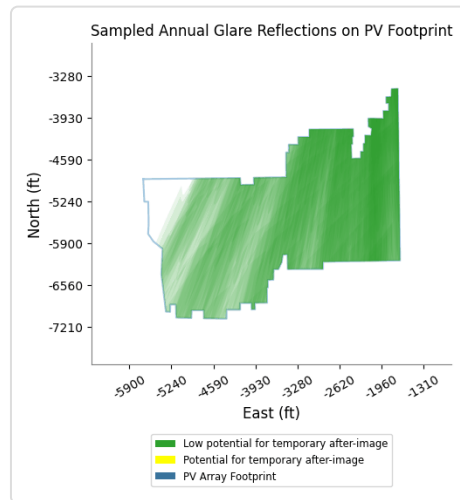
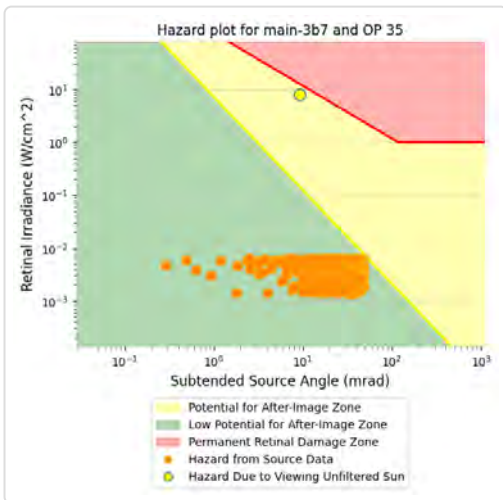
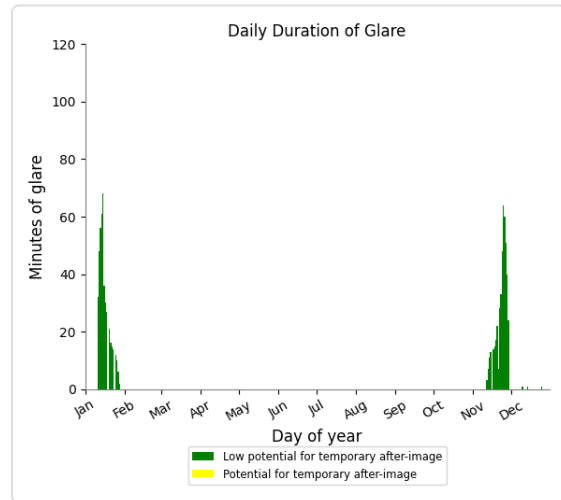
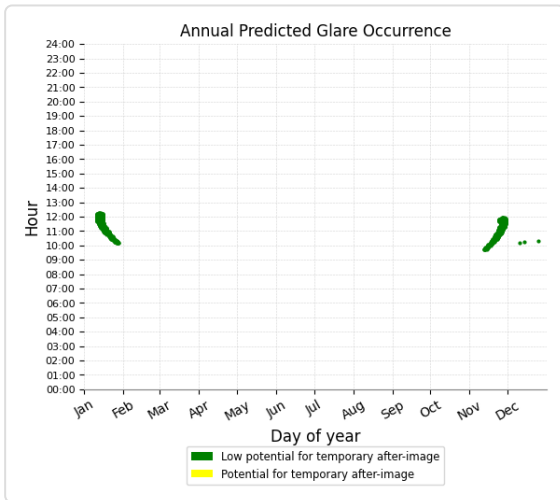
Main 3b7 and OP 34

Yellow glare: none
 Green glare: 567 min.



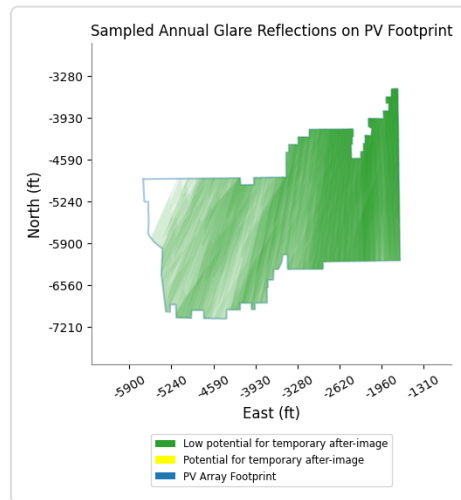
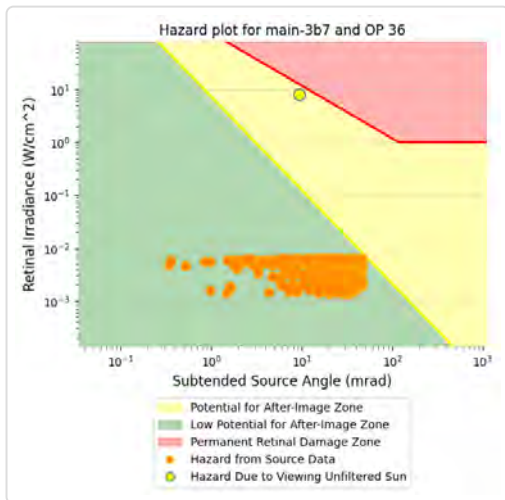
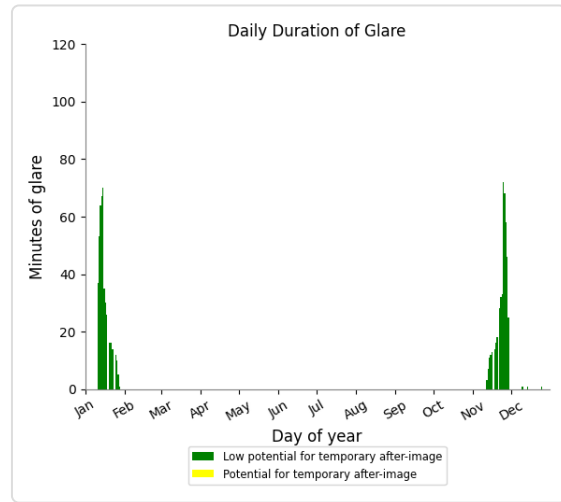
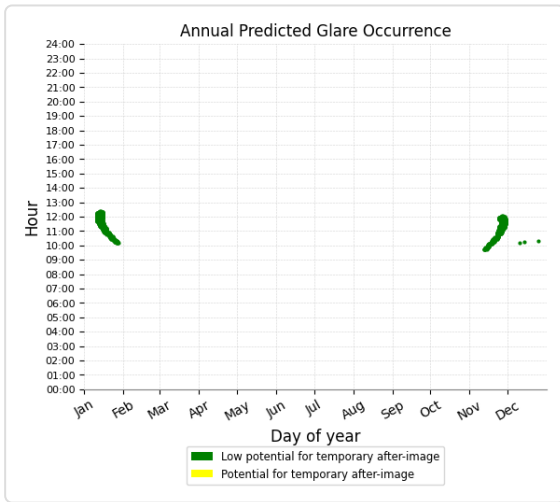
Main 3b7 and OP 35

Yellow glare: none
 Green glare: 914 min.



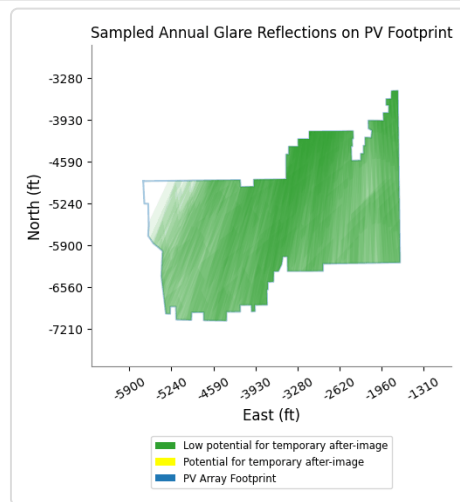
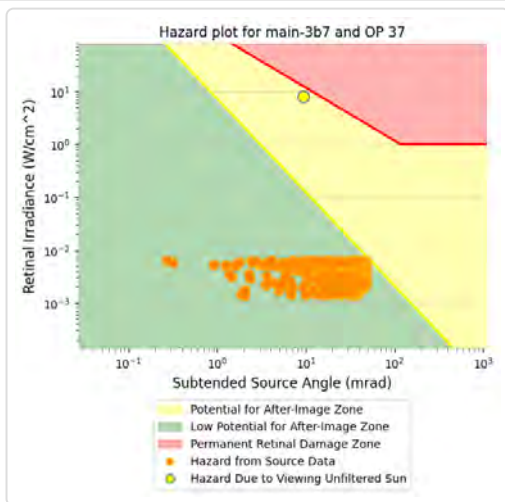
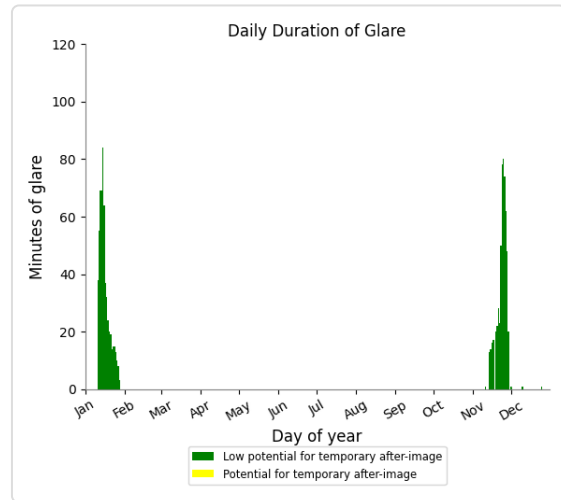
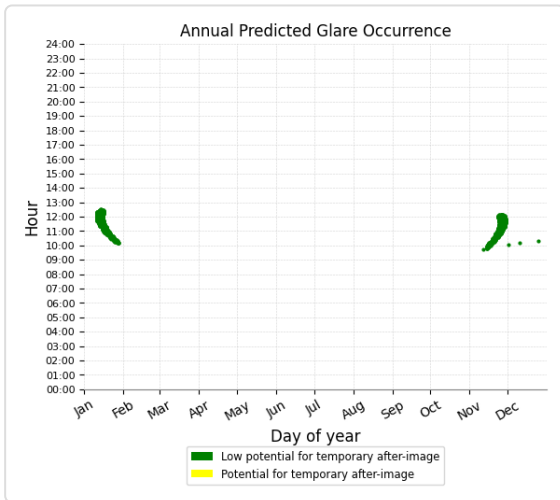
Main 3b7 and OP 36

Yellow glare: none
 Green glare: 929 min.



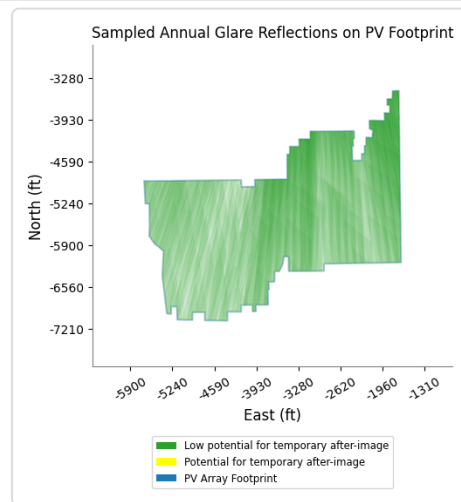
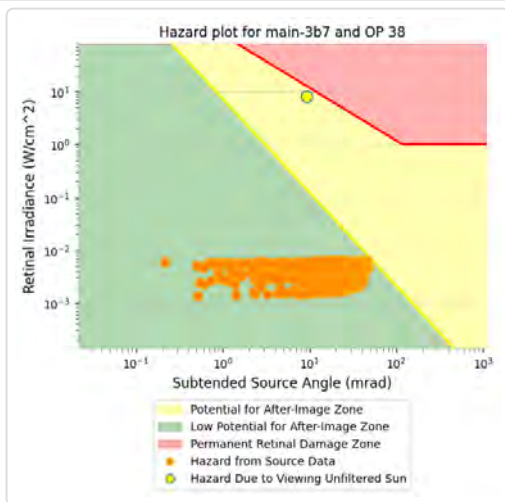
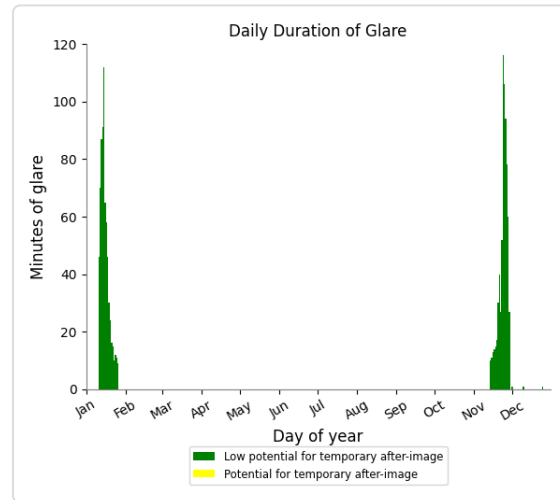
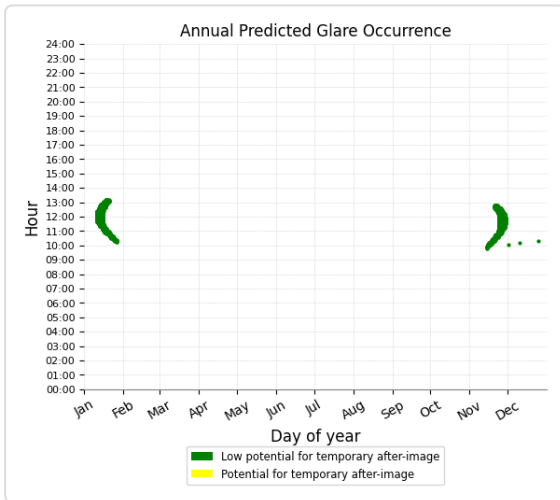
Main 3b7 and OP 37

Yellow glare: none
 Green glare: 1,158 min.



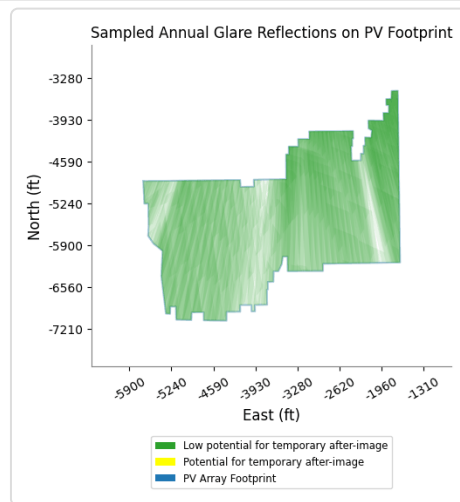
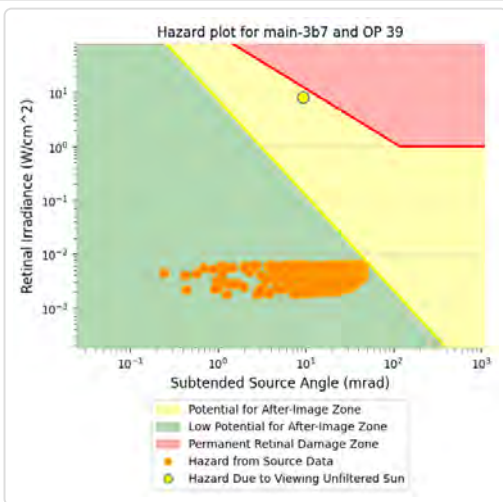
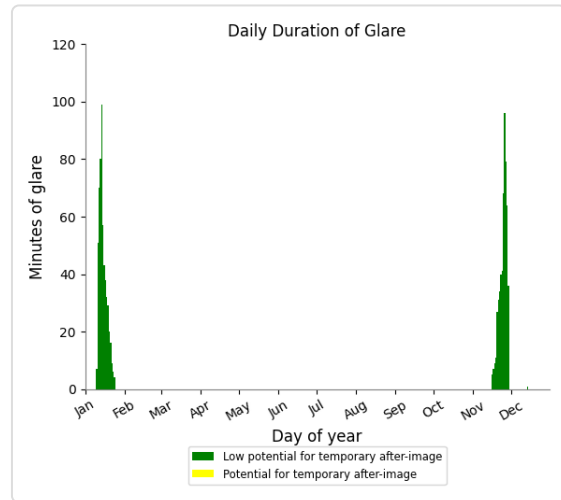
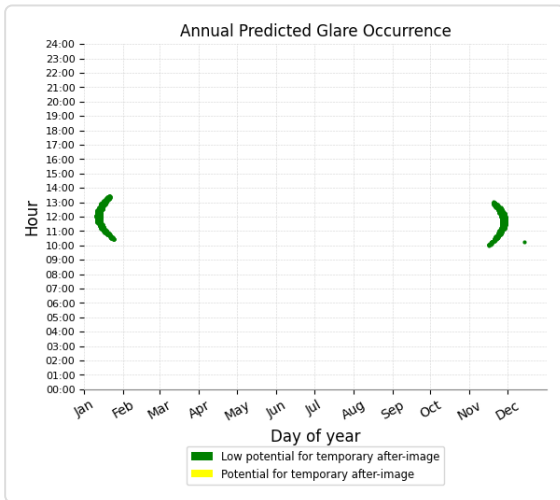
Main 3b7 and OP 38

Yellow glare: none
 Green glare: 1,415 min.



Main 3b7 and OP 39

Yellow glare: none
Green glare: 1,110 min.



Main 3b7 and OP 1

No glare found

Main 3b7 and OP 12

No glare found

Main 3b7 and OP 13

No glare found

Main 3b7 and OP 14

No glare found

Main 3b7 and OP 15

No glare found

Main 3b7 and OP 16

No glare found

Main 3b7 and OP 17

No glare found

Main 3b7 and OP 18

No glare found

Main 3b7 and OP 19

No glare found

Main 3b7 and OP 20

No glare found

Main 3b7 and OP 21

No glare found

Main 3b7 and OP 22

No glare found

Main 3b7 and OP 23

No glare found

Main 3b7 and OP 24

No glare found

Main 3b7 and OP 27

No glare found

Main 3b7 and OP 29

No glare found

Main 3b7 and OP 30

No glare found

Main 3b7 and OP 31

No glare found

Main 3b7 and OP 32

No glare found

Main 3b7 and OP 33

No glare found

PV: South no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
SR-949	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

South and Route: Forgy Mill Rd

No glare found

South and Route: Free Ln

No glare found

South and Route: Mason-Poyner Rd

No glare found

South and Route: Pendley Mill Rd

No glare found

South and Route: SR-949

No glare found

South and Route: US-431

No glare found

South and FP: Bowling Green Regional 1

No glare found

South and FP: Bowling Green Regional 2

No glare found

South and FP: Bowling Green Regional 3

No glare found

South and FP: Bowling Green Regional 4

No glare found

South and FP: Muhlenberg County Airport 1

No glare found

South and FP: Muhlenberg County Airport 2

No glare found

South and FP: Russellville-Logan Airport 1

No glare found

South and FP: Russellville-Logan Airport 2

No glare found

South and OP 1

No glare found

South and OP 2

No glare found

South and OP 3

No glare found

South and OP 4

No glare found

South and OP 5

No glare found

South and OP 6

No glare found

South and OP 7

No glare found

South and OP 8

No glare found

South and OP 9

No glare found

South and OP 10

No glare found

South and OP 11

No glare found

South and OP 12

No glare found

South and OP 13

No glare found

South and OP 14

No glare found

South and OP 15

No glare found

South and OP 16

No glare found

South and OP 17

No glare found

South and OP 18

No glare found

South and OP 19

No glare found

South and OP 20

No glare found

South and OP 21

No glare found

South and OP 22

No glare found

South and OP 23

No glare found

South and OP 24

No glare found

South and OP 25

No glare found

South and OP 26

No glare found

South and OP 27

No glare found

South and OP 28

No glare found

South and OP 29

No glare found

South and OP 30

No glare found

South and OP 31

No glare found

South and OP 32

No glare found

South and OP 33

No glare found

South and OP 34

No glare found

South and OP 35

No glare found

South and OP 36

No glare found

South and OP 37

No glare found

South and OP 38

No glare found

South and OP 39

No glare found

PV: West Bottom no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
SR-949	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0
OP 25	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 26	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

West Bottom and Route: Forgy Mill Rd

No glare found

West Bottom and Route: Free Ln

No glare found

West Bottom and Route: Mason-Poyner Rd

No glare found

West Bottom and Route: Pendley Mill Rd

No glare found

West Bottom and Route: SR-949

No glare found

West Bottom and Route: US-431

No glare found

West Bottom and FP: Bowling Green Regional 1

No glare found

West Bottom and FP: Bowling Green Regional 2

No glare found

West Bottom and FP: Bowling Green Regional 3

No glare found

West Bottom and FP: Bowling Green Regional 4

No glare found

West Bottom and FP: Muhlenberg County Airport 1

No glare found

West Bottom and FP: Muhlenberg County Airport 2

No glare found

West Bottom and FP: Russellville-Logan Airport 1

No glare found

West Bottom and FP: Russellville-Logan Airport 2

No glare found

West Bottom and OP 1

No glare found

West Bottom and OP 2

No glare found

West Bottom and OP 3

No glare found

West Bottom and OP 4

No glare found

West Bottom and OP 5

No glare found

West Bottom and OP 6

No glare found

West Bottom and OP 7

No glare found

West Bottom and OP 8

No glare found

West Bottom and OP 9

No glare found

West Bottom and OP 10

No glare found

West Bottom and OP 11

No glare found

West Bottom and OP 12

No glare found

West Bottom and OP 13

No glare found

West Bottom and OP 14

No glare found

West Bottom and OP 15

No glare found

West Bottom and OP 16

No glare found

West Bottom and OP 17

No glare found

West Bottom and OP 18

No glare found

West Bottom and OP 19

No glare found

West Bottom and OP 20

No glare found

West Bottom and OP 21

No glare found

West Bottom and OP 22

No glare found

West Bottom and OP 23

No glare found

West Bottom and OP 24

No glare found

West Bottom and OP 25

No glare found

West Bottom and OP 26

No glare found

West Bottom and OP 27

No glare found

West Bottom and OP 28

No glare found

West Bottom and OP 29

No glare found

West Bottom and OP 30

No glare found

West Bottom and OP 31

No glare found

West Bottom and OP 32

No glare found

West Bottom and OP 33

No glare found

West Bottom and OP 34

No glare found

West Bottom and OP 35

No glare found

West Bottom and OP 36

No glare found

West Bottom and OP 37

No glare found

West Bottom and OP 38

No glare found

West Bottom and OP 39

No glare found

PV: West top potential temporary after-image

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Forgy Mill Rd	0	0.0	0	0.0
Free Ln	0	0.0	0	0.0
Mason-Poyner Rd	0	0.0	0	0.0
Pendley Mill Rd	0	0.0	0	0.0
SR-949	0	0.0	0	0.0
US-431	0	0.0	0	0.0
Bowling Green Regional 1	0	0.0	0	0.0
Bowling Green Regional 2	0	0.0	0	0.0
Bowling Green Regional 3	0	0.0	0	0.0
Bowling Green Regional 4	0	0.0	0	0.0
Muhlenberg County Airport 1	0	0.0	0	0.0
Muhlenberg County Airport 2	0	0.0	0	0.0
Russellville-Logan Airport 1	0	0.0	0	0.0
Russellville-Logan Airport 2	0	0.0	0	0.0
OP 26	352	5.9	306	5.1
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0
OP 19	0	0.0	0	0.0
OP 20	0	0.0	0	0.0
OP 21	0	0.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 25	0	0.0	0	0.0
OP 27	0	0.0	0	0.0
OP 28	0	0.0	0	0.0
OP 29	0	0.0	0	0.0
OP 30	0	0.0	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	0	0.0	0	0.0
OP 36	0	0.0	0	0.0
OP 37	0	0.0	0	0.0
OP 38	0	0.0	0	0.0
OP 39	0	0.0	0	0.0

West top and Route: Forgy Mill Rd

No glare found

West top and Route: Free Ln

No glare found

West top and Route: Mason-Poyner Rd

No glare found

West top and Route: Pendley Mill Rd

No glare found

West top and Route: SR-949

No glare found

West top and Route: US-431

No glare found

West top and FP: Bowling Green Regional 1

No glare found

West top and FP: Bowling Green Regional 2

No glare found

West top and FP: Bowling Green Regional 3

No glare found

West top and FP: Bowling Green Regional 4

No glare found

West top and FP: Muhlenberg County Airport 1

No glare found

West top and FP: Muhlenberg County Airport 2

No glare found

West top and FP: Russellville-Logan Airport 1

No glare found

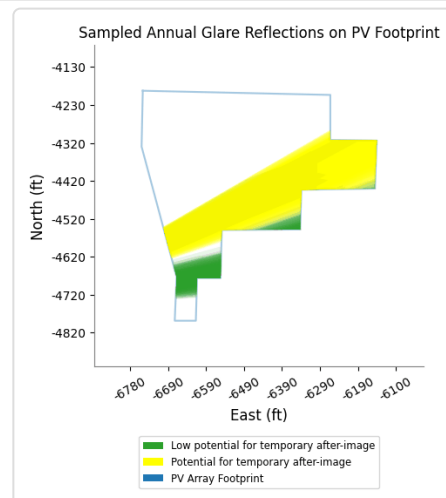
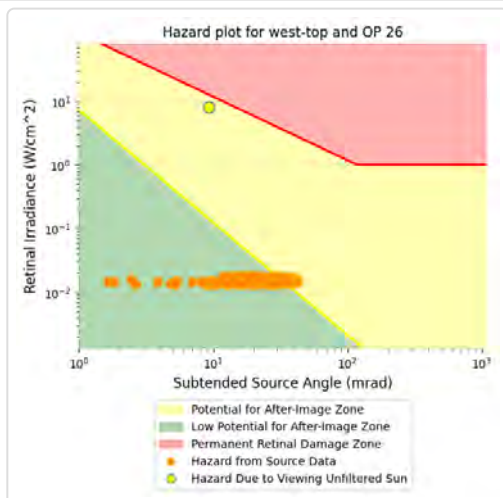
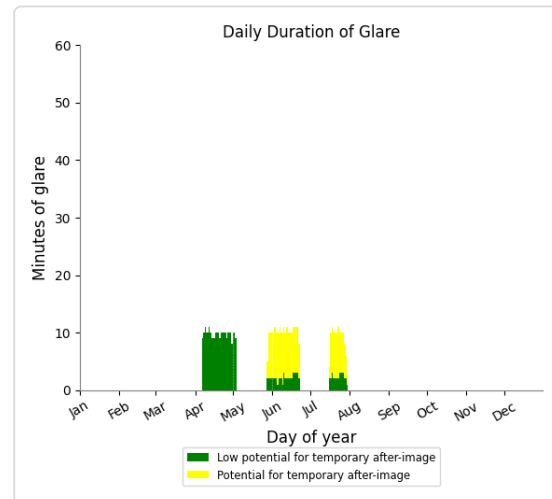
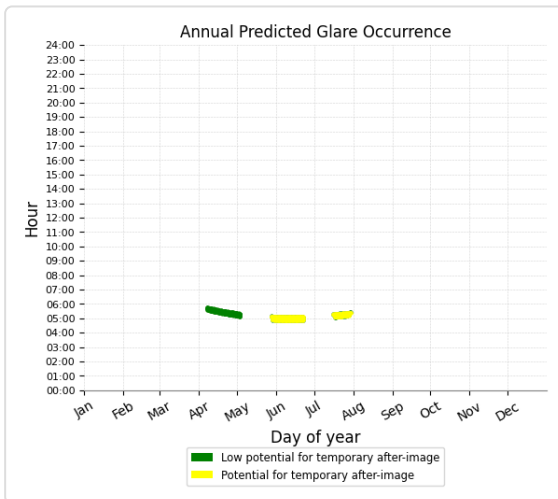
West top and FP: Russellville-Logan Airport 2

No glare found

West top and OP 26

Yellow glare: 306 min.

Green glare: 352 min.



West top and OP 1

No glare found

West top and OP 2

No glare found

West top and OP 3

No glare found

West top and OP 4

No glare found

West top and OP 5

No glare found

West top and OP 6

No glare found

West top and OP 7

No glare found

West top and OP 8

No glare found

West top and OP 9

No glare found

West top and OP 10

No glare found

West top and OP 11

No glare found

West top and OP 12

No glare found

West top and OP 13

No glare found

West top and OP 14

No glare found

West top and OP 15

No glare found

West top and OP 16

No glare found

West top and OP 17

No glare found

West top and OP 18

No glare found

West top and OP 19

No glare found

West top and OP 20

No glare found

West top and OP 21

No glare found

West top and OP 22

No glare found

West top and OP 23

No glare found

West top and OP 24

No glare found

West top and OP 25

No glare found

West top and OP 27

No glare found

West top and OP 28

No glare found

West top and OP 29

No glare found

West top and OP 30

No glare found

West top and OP 31

No glare found

West top and OP 32

No glare found

West top and OP 33

No glare found

West top and OP 34

No glare found

West top and OP 35

No glare found

West top and OP 36

No glare found

West top and OP 37

No glare found

West top and OP 38

No glare found

West top and OP 39

No glare found

Assumptions

"Green" glare is glare with low potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.

"Yellow" glare is glare with potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.

Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.

The algorithm does not rigorously represent the detailed geometry of a system; detailed features such as gaps between modules, variable height of the PV array, and support structures may impact actual glare results. However, we have validated our models against several systems, including a PV array causing glare to the air-traffic control tower at Manchester-Boston Regional Airport and several sites in Albuquerque, and the tool accurately predicted the occurrence and intensity of glare at different times and days of the year.

Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare. This primarily affects V1 analyses of path receptors.

Random number computations are utilized by various steps of the annual hazard analysis algorithm. Predicted minutes of glare can vary between runs as a result. This limitation primarily affects analyses of Observation Point receptors, including ATCTs. Note that the SGHAT/ ForgeSolar methodology has always relied on an analytical, qualitative approach to accurately determine the overall hazard (i.e. green vs. yellow) of expected glare on an annual basis.

The analysis does not automatically consider obstacles (either man-made or natural) between the observation points and the prescribed solar installation that may obstruct observed glare, such as trees, hills, buildings, etc.

The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)

The variable direct normal irradiance (DNI) feature (if selected) scales the user-prescribed peak DNI using a typical clear-day irradiance profile. This profile has a lower DNI in the mornings and evenings and a maximum at solar noon. The scaling uses a clear-day irradiance profile based on a normalized time relative to sunrise, solar noon, and sunset, which are prescribed by a sun-position algorithm and the latitude and longitude obtained from Google maps. The actual DNI on any given day can be affected by cloud cover, atmospheric attenuation, and other environmental factors.

The ocular hazard predicted by the tool depends on a number of environmental, optical, and human factors, which can be uncertain. We provide input fields and typical ranges of values for these factors so that the user can vary these parameters to see if they have an impact on the results. The speed of SGHAT allows expedited sensitivity and parametric analyses.

The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.

Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid based on aggregated research data. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.

Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.

Refer to the Help page at www.forgesolar.com/help/ for assumptions and limitations not listed here.

Default glare analysis parameters and observer eye characteristics (for reference only):

- Analysis time interval: 1 minute
- Ocular transmission coefficient: 0.5
- Pupil diameter: 0.002 meters
- Eye focal length: 0.017 meters
- Sun subtended angle: 9.3 milliradians

© Sims Industries d/b/a ForgeSolar, All Rights Reserved.

Appendix B

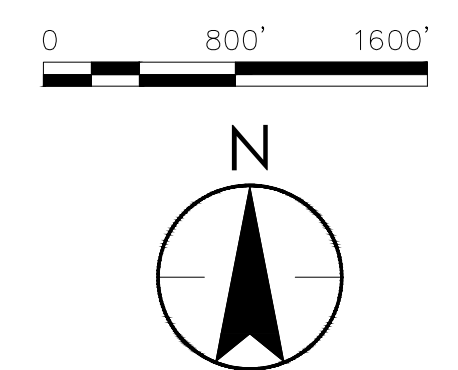
Landscaping Plan



LEGEND - LANDSCAPE PLAN	
DESCRIPTION	
STANDARD PLANTING	
DOUBLE PLANTING	
NO ADDITIONAL PLANTING	

LEGEND - GENERAL	
DESCRIPTION	
FENCE	
PHOTOVOLTAIC PANEL	
INVERTER	
DNO	

**PRELIMINARY
NOT FOR
CONSTRUCTION**
12/20/2024



VA: 1789 (Revised) (A) (Project: [Redacted Location]) 20257322000 - LOST CITY SOLAR CAD 20257322000 Lost City Solar.dwg
2025/01/08 3:38 PM By: [Redacted]

REV.	DESCRIPTION	DRAWN	CHKD	APPRVD	DATE
B	ISSUED FOR REVIEW	RB	SL	AC	12/20/2024
A	ISSUED FOR REVIEW	RB	SL	AC	11/26/2024

DRAWING REVISIONS

Stantec
Stantec Consulting Services Inc.
50 Derby Street Suite 260 Hingham, MA U.S.A. 02043
3052 Beaumont Centre Circle Lexington, Kentucky U.S.A. 40513-1703
www.stantec.com

COA #
SEAL

Copyright Reserved
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

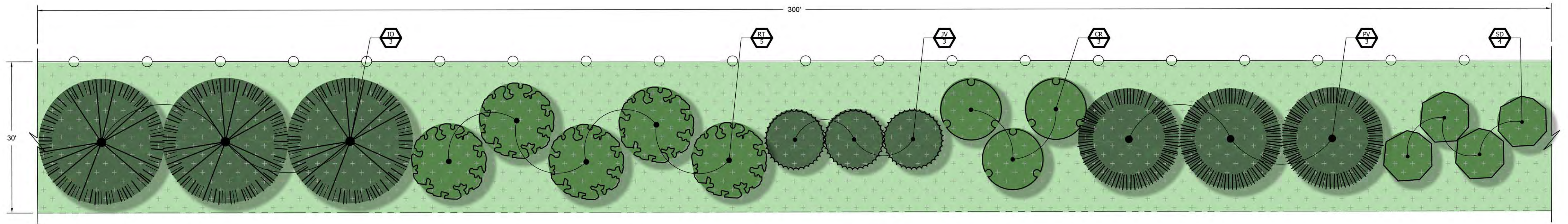
DRAWN: RB	CHECKED: SL	IND. REVIEW
DESIGNED: RB	CHECKED: SL	APPROVED: AC
PROJECT NO: 2057322000	SCALE: 1"=800'	

CLIENT/PROJECT: LOST CITY RENEWABLES LLC
LOST CITY
MUHLENBURG COUNTY, DUNMOR KENTUCKY

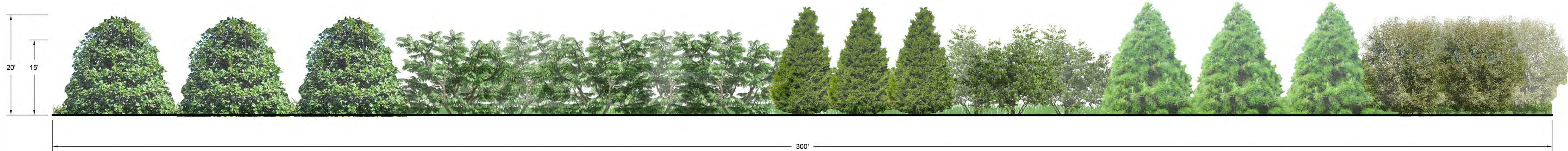
TITLE: LOST CITY
OVERALL LANDSCAPE PLAN

SHT 1 OF 4	DWG NO: 2057322000-LC-C-700	REV: B
------------	-----------------------------	--------

PLAN OF TYPICAL 300' SEGMENT OF STANDARD PLANTING

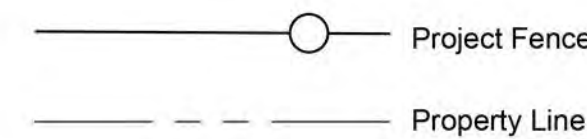


SECTION VIEW OF TYPICAL 300' SEGMENT OF STANDARD PLANTING



NOTE: SECTION VIEW REPRESENTS PLANTS 5-10 YEARS AFTER PLANTING.

LEGEND



CONIFEROUS TREES

SYMBOL	CODE	BOTANICAL / COMMON NAME
	IO	ILEX OPACA AMERICAN HOLLY
	JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR
	PV	PINUS VIRGINIANA VIRGINIA PINE

SHRUBS

SYMBOL	CODE	BOTANICAL / COMMON NAME
	AS	ALNUS SERRULATA SMOOTH ALDER
	AF	AMORPHA FRUTICOSA INDIGO BUSH
	AA	ARONIA ARBUTIFOLIA RED CHOKEBERRY
	CR	CORNUS RACEMOSA GRAY DOGWOOD
	ID	ILEX DECIDUA DECIDUOUS HOLLY
	LB	LINDERA BENZOIN SPICEBUSH
	PO	PHYSOCARPUS OPULIFOLIUS COMMON NINEBARK

SHRUBS

SYMBOL	CODE	BOTANICAL / COMMON NAME
	RC	RHUS COPALLINUM WINGED SUMAC
	RG	RHUS GLABRA SMOOTH SUMAC
	RT	RHUS TYPHINA STAGHORN SUMAC
	SD	SALIX DISCOLOR PUSSY WILLOW
	VD	VIBURNUM DENTATUM SOUTHERN ARROWWOOD
	VN	VIBURNUM NUDUM POSSUMHAW VIBURNUM

**PRELIMINARY
NOT FOR
CONSTRUCTION**
12/20/2024

VA 1936 (revised) (A) (Sheet) (East) (Locality) 2057322000 Lost City Solar.dwg
2023/01/03 3:42 PM By: Brandon, Rouchie

REV.	DESCRIPTION	DRAWN	CHKD	APPRVD	DATE
B	ISSUED FOR REVIEW	RB	SL	AC	12/20/2024
A	ISSUED FOR REVIEW	RB	SL	AC	11/26/2024

DRAWING REVISIONS

Stantec
Stantec Consulting Services Inc.
50 Derby Street Suite 260 Hingham, MA U.S.A. 02043
3052 Beaumont Centre Circle Lexington, Kentucky U.S.A. 40513-1703
www.stantec.com

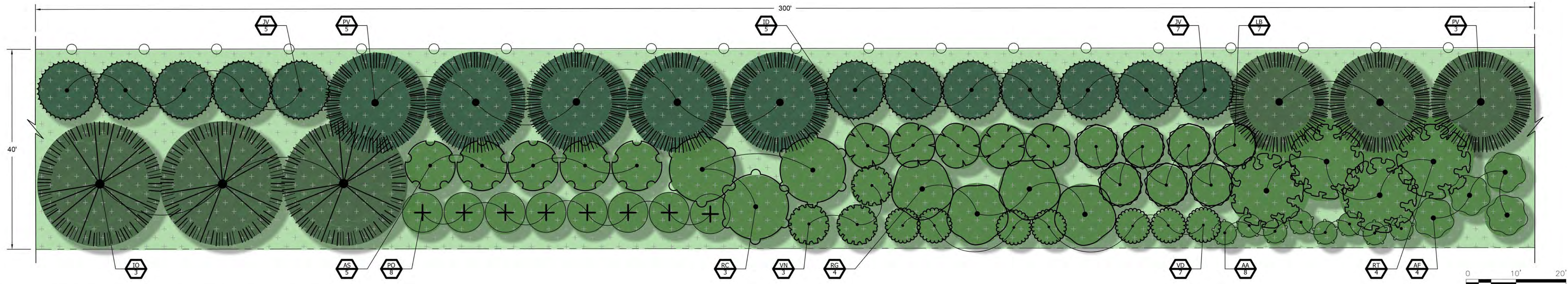
COA #	
SEAL	

Copyright Reserved
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

DRAWN: RB	CHECKED: SL	IND. REVIEW
DESIGNED: RB	CHECKED: SL	APPROVED: AC
PROJECT NO: 2057322000	SCALE: 1"=10'	

CLIENT/PROJECT:	LOST CITY RENEWABLES LLC LOST CITY MUHLENBURG COUNTY, DUNMOR KENTUCKY
TITLE:	LOST CITY LANDSCAPE PLAN
SHT 2 OF 4	DWG NO: 2057322000-LC-C-700
REV: B	

PLAN OF TYPICAL 300' SEGMENT OF DOUBLE PLANTING

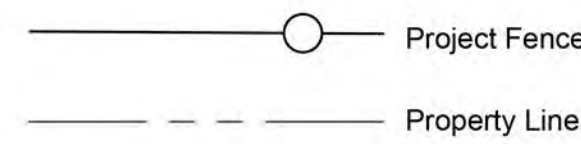


SECTION VIEW OF TYPICAL 300' SEGMENT OF DOUBLE PLANTING



NOTE: SECTION VIEW REPRESENTS PLANTS 5-10 YEARS AFTER PLANTING.

LEGEND



SYMBOL CODE BOTANICAL / COMMON NAME

CONIFEROUS TREES

- IO ILEX OPACA
AMERICAN HOLLY
- JV JUNIPERUS VIRGINIANA
EASTERN RED CEDAR
- PV PINUS VIRGINIANA
VIRGINIA PINE

SYMBOL CODE BOTANICAL / COMMON NAME

SHRUBS

- AS ALNUS SERRULATA
SMOOTH ALDER
- AF AMORPHA FRUTICOSA
INDIGO BUSH
- AA ARONIA ARBUTIFOLIA
RED CHOKEBERRY
- CR CORNUS RACEMOSA
GRAY DOGWOOD
- ID ILEX DECIDUA
DECIDUOUS HOLLY
- LB LINDERA BENZOIN
SPICEBUSH
- PO PHYSOCARPUS OPULIFOLIUS
COMMON NINEBARK

SYMBOL CODE BOTANICAL / COMMON NAME

SHRUBS

- RC RHUS COPALLINUM
WINGED SUMAC
- RG RHUS GLABRA
SMOOTH SUMAC
- RT RHUS TYPHINA
STAGHORN SUMAC
- SD SALIX DISCOLOR
PUSSY WILLOW
- VD VIBURNUM DENTATUM
SOUTHERN ARROWWOOD
- VN VIBURNUM NUDUM
POSSUMHAW VIBURNUM

**PRELIMINARY
NOT FOR
CONSTRUCTION**
12/20/2024

VA: 1/28/2024 10:58:43 AM (Revised: E:\solar\Locality\2057322000 Lost City Solar.dwg) 2023/10/10 3:43 PM By: Brandon, Roush

REV.	DESCRIPTION	DRAWN	CHKD	APPRVD	DATE
B	ISSUED FOR REVIEW	RB	SL	AC	12/20/2024
A	ISSUED FOR REVIEW	RB	SL	AC	11/26/2024

Stantec
Stantec Consulting Services Inc.
50 Derby Street Suite 260 Hingham, MA U.S.A. 02043
3052 Beaumont Centre Circle Lexington, Kentucky U.S.A. 40513-1703
www.stantec.com

COA #	
SEAL	

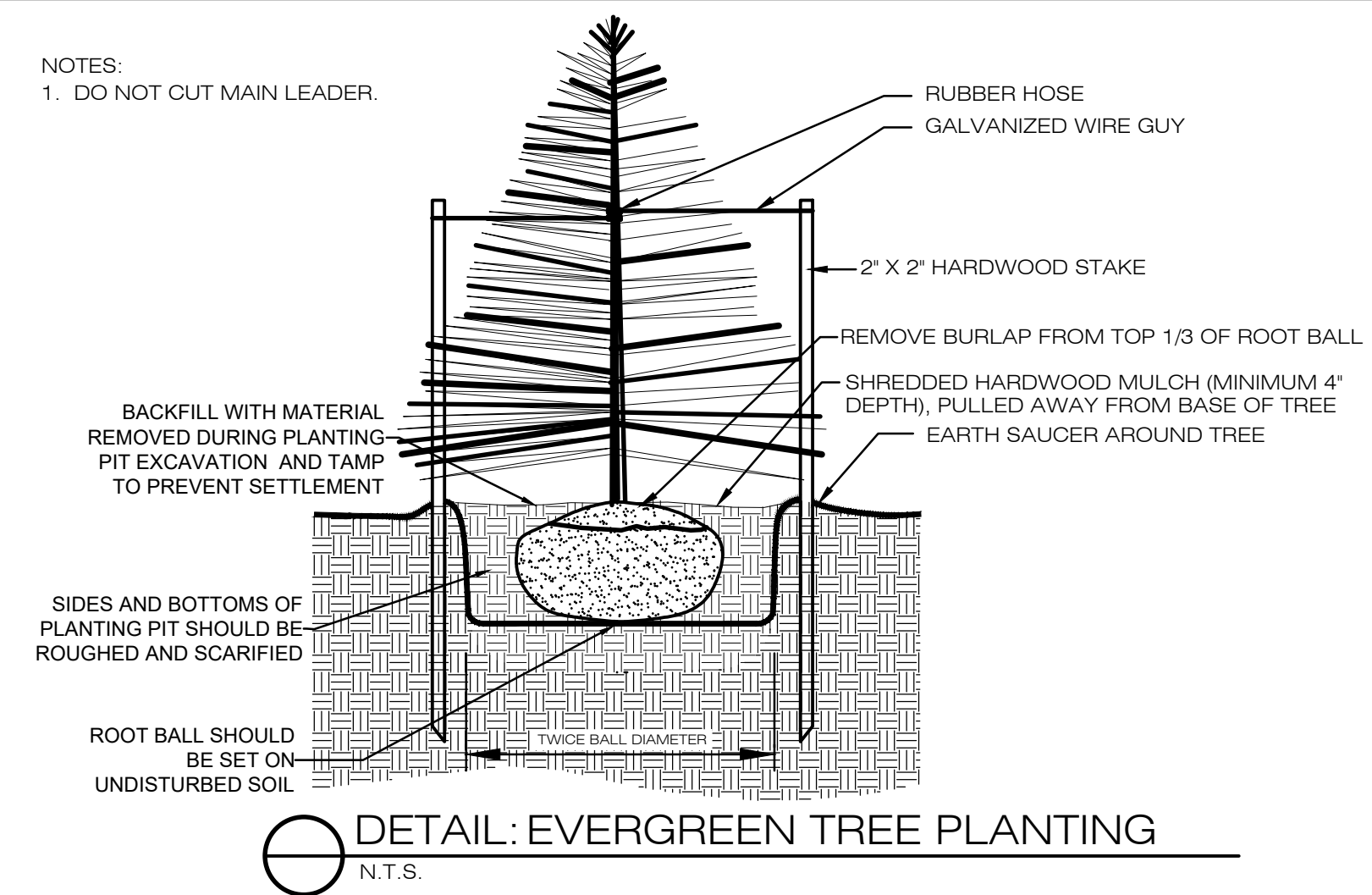
Copyright Reserved
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

DRAWN: RB	CHECKED: SL	IND. REVIEW
DESIGNED: RB	CHECKED: SL	APPROVED: AC
PROJECT NO: 2057322000	SCALE: 1"=10'	

CLIENT/PROJECT:	LOST CITY RENEWABLES LLC LOST CITY MUHLENBURG COUNTY, DUNMOR KENTUCKY
TITLE:	LOST CITY LANDSCAPE PLAN
SHT 3 OF 4	DWG NO: 2057322000-LC-C-700
REV: B	

PLANT SCHEDULE										
QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	USDA PLANTING ZONE	APPROXIMATE MATURE HEIGHT	APPROXIMATE MATURE SPREAD	AVERAGE ANNUAL GROWTH	SPECIFICATION	NOTES	
TREES										
305	IO	ILEX OPACA	AMERICAN HOLLY	5 TO 9	15' TO 35'	20' TO 35'	6"	MIN. 4'-5' HEIGHT - CONTAINER / B&B	SPACE PLANTS AS SHOWN IN TYPICAL LAYOUT	
1,034	JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	2 TO 9	40' TO 50'	12' TO 15'	12" TO 18"	MIN. 4'-5' HEIGHT - CONTAINER / B&B		
710	PV	PIRUS VIRGINIANA	VIRGINIA PINE	4 TO 8	40' TO 80'	10' TO 30'	8" TO 12"	MIN. 4'-5' HEIGHT - CONTAINER / B&B		
2,048 TOTAL TREES										
SHRUBS										
405	AS	ALNUS SERRULATA	SMOOTH ALDER	4 TO 9	10' TO 15'	10' TO 15'	12"	MIN. 3' HEIGHT - CONTAINER / B&B	SPACE PLANTS AS SHOWN IN TYPICAL LAYOUT	
324	AF	AMORPHA FRUTICOSA	INDIGO BUSH	4 TO 9	4' TO 15'	6' TO 15'	12"	MIN. 3' HEIGHT - CONTAINER / B&B		
648	AA	ARONIA ARBUTIFOLIA	RED CHOKEBERRY	4 TO 9	6' TO 10'	3' TO 6'	12"	MIN. 3' HEIGHT - CONTAINER / B&B		
61	CR	CORNUS RACEMOSA	GRAY DOGWOOD	3 TO 8	10' TO 15'	10' TO 15'	8" TO 12"	MIN. 3' HEIGHT - CONTAINER / B&B		
405	ID	ILEX DECIDUA	DECIDUOUS HOLLY	5 TO 9	10' TO 15'	5' TO 12'	12" TO 18"	MIN. 3' HEIGHT - CONTAINER / B&B		
567	LB	LINDERA BENZOIN	SPICEBUSH	4 TO 9	6' TO 12'	6' TO 12'	12" TO 18"	MIN. 3' HEIGHT - CONTAINER / B&B		
648	PO	PHYSCARPUS OPULIFOLIUS	COMMON NINEBARK	2 TO 8	5' TO 8'	6' TO 10'	18" TO 24"	MIN. 3' HEIGHT - CONTAINER / B&B		
243	RC	RHUS COPALLINUM	WINGED SUMAC	4 TO 9	7' TO 15'	10' TO 20'	12"	MIN. 3' HEIGHT - CONTAINER / B&B		
324	RG	RHUS GLABRA	SMOOTH SUMAC	3 TO 9	9' TO 15'	9' TO 15'	12" TO 18"	MIN. 3' HEIGHT - CONTAINER / B&B		
427	RT	RHUS TYPHINA	STAGHORN SUMAC	3 TO 8	15' TO 25'	20' TO 30'	12" TO 18"	MIN. 3' HEIGHT - CONTAINER / B&B		
82	SD	SALIX DISCOLOR	PUSSY WILLOW	4 TO 8	10' TO 20'	8' TO 12'	12" TO 24"	MIN. 3' HEIGHT - CONTAINER / B&B		
567	VD	VIBURNUM DENTATUM	SOUTHERN ARROWWOOD	3 TO 8	3' TO 9'	6' TO 8'	12" TO 24"	MIN. 3' HEIGHT - CONTAINER / B&B		
243	VN	VIBURNUM NUDUM	POSSUMHAW VIBURNUM	5 TO 9	5' TO 12'	5' TO 12'	12"	MIN. 3' HEIGHT - CONTAINER / B&B		
4,946 TOTAL SHRUBS										

NOTES:
1. DO NOT CUT MAIN LEADER.



DETAIL: EVERGREEN TREE PLANTING
N.T.S.

NOTES:
1. MATURE HEIGHT, MATURE SPREAD, AND AVERAGE ANNUAL GROWTH IS APPROXIMATE. ACTUAL MATURE HEIGHT, MATURE SPREAD, AND ANNUAL GROWTH MAY VARY.
2. PROJECT IS LOCATED IN USDA PLANTING ZONE 7A (MUHLENBERG COUNTY, KENTUCKY).
3. PLANTING SPECIES ARE REPRESENTATIVE OF DESIGN INTENT. ACTUAL SPECIES MAY VARY BASED ON AVAILABILITY OF LOCAL NURSERY STOCK. CONTRACTOR MAY SUBMIT ALTERNATE SPECIES REQUEST FOR APPROVAL BY LANDSCAPE ARCHITECT.

QUANTITIES BY SEGMENT											
TOTAL QTY	SYMBOL	SEGMENT:									
		1	2	3	4	5	6	7	8	9	10
LINEAR FT		6,174	1,105	1,633	1,332	1,474	2,121	1,708	1,510	10,434	2,965
TREES (2048)											
305	IO	62	11	16	13	15	21	17	15	104	30
1034	JV	247	44	65	53	15	85	17	60	417	30
710	PV	165	29	44	36	15	57	17	40	278	30
SHRUBS (4946)											
405	AS	103	18	27	22	0	35	0	25	174	0
324	AF	82	15	22	18	0	28	0	20	139	0
648	AA	165	29	44	36	0	57	0	40	278	0
61	CR	0	0	0	0	15	0	17	0	0	30
405	ID	103	18	27	22	0	35	0	25	174	0
567	LB	144	26	38	31	0	49	0	35	243	0
648	PO	165	29	44	36	0	57	0	40	278	0
243	RC	62	11	16	13	0	21	0	15	104	0
324	RG	82	15	22	18	0	28	0	20	139	0
427	RT	82	15	22	18	25	28	28	20	139	49
82	SD	0	0	0	0	20	0	23	0	0	40
567	VD	144	26	38	31	0	49	0	35	243	0
243	VN	62	11	16	13	0	21	0	15	104	0
TOTAL TREES & SHRUBS											
PER SEGMENT:		1667	298	441	360	103	573	120	408	2817	208

VEGETATIVE SCREENING NOTES:
SHRUB AND TREE INSTALLATION

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF ALL WORK COVERED UNDER THESE PLANS.
- ALL PLANT MATERIAL, UNLESS OTHERWISE SPECIFIED, SHALL BE UNIFORMLY BRANCHED AND HAVE A VIGOROUS ROOT SYSTEM. PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE FROM DEFECTS, DECAY, DISEASES, INSECT PEST EGGS, AND ALL FORMS OF INFESTATION. ALL PLANT MATERIAL SHALL BE FRESH, FREE FROM TRANSPLANT SHOCK OR VISIBLE WILT. PLANTS DEEMED UNHEALTHY SHALL BE REJECTED.
- ALL PLANT MATERIAL SHALL MEET THE MINIMUM SPECIFICATIONS AND STANDARDS DESCRIBED IN THE CURRENT ISSUE OF "THE AMERICAN STANDARD FOR NURSERY STOCK," PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, 1250 I STREET, N.W., SUITE 500, WASHINGTON, D.C. 20005.
- ALL CONTAINER STOCK SHALL HAVE BEEN PROPAGATED IN A CONTAINER LONG ENOUGH FOR THE ROOT SYSTEM TO HAVE DEVELOPED SUFFICIENTLY TO HOLD ITS SOIL. CONTAINER STOCK WITH POORLY DEVELOPED ROOT SYSTEMS SHALL NOT BE ACCEPTED.
- PLANTS SHALL BE PREPARED FOR SHIPMENT IN A MANNER THAT SHALL NOT CAUSE DAMAGE TO THE BARK, BUDS, BRANCHES, STEMS, OR OVERALL SHAPE OF THE STOCK. CONTAINER GROWN PLANTS SHALL BE TRANSPORTED IN THE CONTAINERS IN WHICH THEY HAVE BEEN GROWN.
- PLANTS NOT INSTALLED ON THE DAY OF ARRIVAL AT THE SITE SHALL BE STORED AND PROTECTED BY THE CONTRACTOR. OUTSIDE STORAGE AREAS SHALL BE SHADED AND PROTECTED FROM THE WIND AND SUN. PLANTS STORED ON SITE SHALL BE PROTECTED FROM ANY DRYING AT ALL TIMES BY COVERING THE BALLS OR ROOTS WITH MOIST SAWDUST, WET BURLAP, WOOD CHIPS, SHREDDED BARK, PEAT MOSS, OR OTHER SIMILAR MULCHING MATERIAL, OR OTHER METHODS APPROVED BY OWNER.
- PLANT SUBSTITUTIONS MAY BE MADE BASED ON AVAILABILITY BUT MUST BE OF SIMILAR SIZE AND LANDSCAPE (SCREENING) VALUE. ALL SUBSTITUTIONS MUST BE APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.
- NO PLANTING SHALL OCCUR WHEN THE SOIL IS FROZEN.

PLANTING SEQUENCE

- DIG THE PLANTING HOLE A MINIMUM OF 2x WIDTH OF ROOTBALL FOR AT LEAST THE FIRST 12 INCHES OF DEPTH. BELOW 12 INCHES, DIG HOLE WIDE ENOUGH TO PERMIT ADJUSTING. DO NOT DIG THE HOLE DEEPER THAN ROOT BALL DEPTH.
- Holes for individual plantings shall be excavated to produce vertical sides and flat bottoms. All planting holes shall have roughed, scarified sides and bottoms.
- LIFT AND SET THE TREE BY ROOT BALL ONLY. DO NOT LIFT USING THE TREE TRUNK AND DO NOT USE TREE TRUNK AS A LEVER.
- SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE OR SLIGHTLY HIGHER.
- BACKFILL WITH EXISTING SOIL THAT HAS BEEN WELL-TILLED OR BROKEN UP.
- PRUNING SHALL BE LIMITED TO DEAD, DISEASED, OR BROKEN LIMBS ONLY AND SHALL BE IN ACCORDANCE WITH ANSI A300 SPECIFICATIONS.
- REMOVE ANY TRUNK WRAP REMAINING AT TIME OF PLANTING. NO WRAPS SHALL BE PLACED ON TRUNK.
- THE CONTRACTOR SHALL RESTORE AREAS DISTURBED BY THE INSTALLATION OF SHRUBS AND TREES.

PROJECT ACCEPTANCE, MAINTENANCE, AND WARRANTY

- PLANTED AREAS WILL BE INSPECTED AT COMPLETION OF INSTALLATION AND ACCEPTED (INITIAL ACCEPTANCE) WITH SPECIFIED MATERIALS AND INSTALLATION REQUIREMENTS. FOLLOWING INITIAL ACCEPTANCE OF THE COMPLETE INSTALLATION OF ALL PLANT MATERIAL, THE WARRANTY PERIOD WILL BEGIN.
- CONTRACTOR SHALL MAINTAIN INSTALLED SHRUBS AND TREES WITHIN THE PROJECT LIMITS UNTIL FINAL ACCEPTANCE OF THE PROJECT BY THE ENGINEER. FINAL ACCEPTANCE SHALL BE AT THE END OF THE WARRANTY PERIOD. MAINTENANCE SHALL INCLUDE PRUNING, CULTIVATING, WEEDING, WATERING, AND METHODS NECESSARY TO MAINTAIN PLANTS FREE OF INSECT, DISEASE, OR OTHER HERBIVORY DAMAGE UNTIL ACCEPTANCE. MAINTENANCE PERIOD SHALL BE ASSUMED TO CONTINUE THROUGH THE DURATION OF THE WARRANTY PERIOD.
- WARRANTY PLANT MATERIAL TO REMAIN ALIVE AND BE IN HEALTHY, VIGOROUS CONDITION FOR A PERIOD OF ONE (1) YEAR AFTER INITIAL ACCEPTANCE. IF PLANTING TAKES PLACE OVER MULTIPLE PLANTING WINDOWS, THIS WARRANTY WILL REMAIN IN AFFECT ON ALL PLANT MATERIAL BASED ON THE WARRANTY PERIOD OF THE MOST RECENTLY INSTALLED PLANT MATERIAL.
- REMOVE AND IMMEDIATELY REPLACE ALL PLANTS, AS DETERMINED BY THE OWNER'S REPRESENTATIVE, TO BE UNSATISFACTORY DURING THE INITIAL PLANTING INSTALLATION.
- REPLACE AT ONCE, IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, ALL PLANTS THAT ARE DEAD OR, AS DETERMINED BY THE OWNER'S REPRESENTATIVE, OR ARE IN SEVERELY UNHEALTHY CONDITION WITHIN THE WARRANTY PERIOD. REPLACEMENTS TO BE INSTALLED AT THE CONTRACTOR'S EXPENSE AT NEXT BEST PLANTING SEASON.
- TREE STAKING SHOULD BE REMOVED AFTER ONE COMPLETE GROWING SEASON. IF STAKING IS REQUIRED ON REPLACED WARRANTED MATERIAL AT THE TIME OF WARRANTY PLANTING, THESE STAKES SHALL BE REMOVED AFTER ONE COMPLETE GROWING SEASON FOLLOWING INSTALLATION.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING HERBIVORY PROTECTION DURING THE MAINTENANCE AND WARRANTY PERIOD. REPLACEMENT OF PLANTS DUE TO DAMAGE FROM HERBIVORY WILL BE AT THE CONTRACTOR'S EXPENSE.
- UPON FINAL ACCEPTANCE, THE OWNER WILL ASSUME PLANT MAINTENANCE.

PROJECT MEASUREMENT AND PAYMENT

- THE QUANTITY OF PLANTING TO BE PAID FOR WILL BE THE ACTUAL INDIVIDUAL PLANTS INSTALLED AND MAINTAINED.
- ALL WORK COVERED BY THIS ITEM WILL BE PAID FOR AT THE CONTRACT RATE PER PLANT. SUCH PRICE WILL BE PARTIAL PAYMENT (90%) FOR THE WORK INCLUDING MATERIALS, LABOR, WARRANTY, AND ANY OTHER ITEMS. INCIDENTAL TO THE WORK AFTER INITIAL ACCEPTANCE. FINAL PAYMENT (REMAINING 10%) WILL BE PAID FOLLOWING FINAL ACCEPTANCE AFTER COMPLETION OF THE WARRANTY PERIOD.

**PRELIMINARY
NOT FOR
CONSTRUCTION
12/20/2024**

VA:189\res\res\LAN\Projects\Edwards\Local\2057322000_Lost City Solar.dwg
2025/01/06 3:43 PM By:Burton, Rachael

REV.	DESCRIPTION	DRAWN	CHKD	APPRVD	DATE
A	ISSUED FOR REVIEW	RB	SL	AC	12/20/2024
B	ISSUED FOR REVIEW	RB	SL	AC	11/26/2024

DRAWING REVISIONS

Stantec
Stantec Consulting Services Inc.
50 Derby Street Suite 260 Hingham, MA U.S.A. 02043
3052 Beaumont Centre Circle Lexington, Kentucky U.S.A. 40513-1703
www.stantec.com

COA #	
SEAL	

Copyright Reserved		
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.		
DRAWN: RB	CHECKED: SL	IND. REVIEW
DESIGNED: RB	CHECKED: SL	APPROVED: AC
PROJECT NO: 2057322000	SCALE: N/A	

CLIENT/PROJECT:		LOST CITY RENEWABLES LLC LOST CITY MUHLENBURG COUNTY, DUNMOR KENTUCKY	
TITLE:		LOST CITY LANDSCAPE DETAILS	
SHT 4 OF 4	DWG NO: 2057322000-LC-C-700	REV: B	