



Straten CSL

CLIENT REPORT

Glint and Glare Assessment

**Summary Report and Comparative Review — Lime Down Solar Park,
Wiltshire**

Prepared for: Planning Inspectorate — EN010168

Document Reference: 110SLD001-3

Date: 24 April 2026 (Version 2.0)

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Executive Summary

Straten Consulting Services Ltd (Straten CSL) has conducted an independent glint and glare analysis of the proposed Lime Down Solar Park (Stop Limes Down, EN010168) using the ForgeSolar Radiometric Physics Engine 3.1.2 (run date 8 April 2026). The assessment encompasses ten discrete PV array zones (A1, A2, B, C, C2, C3, D1-2, D3, E1 and E2) with a **total PV footprint area of 5,630,051 m² (563 hectares)**. This is an exceptionally large solar development and the magnitude of the glare outputs must be considered in that context.

The analysis confirms that glare with **potential for temporary after-image (yellow glare)** is predicted from the arrays towards multiple aviation, road and rail receptors. The dominant arrays — D1-2 (1,450,774 m²) and D3 (364,844 m²) — generate the most significant cumulative glare outputs, with D1-2 alone producing 337,972 minutes of green glare and 177,497 minutes of yellow glare across all receptors on an annual basis. Array C2 (386,594 m²) produces the single highest annual Road 2 exposure: 130,777 minutes of green and 47,498 minutes of yellow glare.

When compared against the Environmental Statement Appendix submitted by Pager Power (EN010168/APP/6.3, Appendix 20-4, September 2025), significant methodological and presentational concerns are identified. Critically, Pager Power's report **does not reproduce the ForgeSolar output data** on which its impact conclusions are based, and makes impact significance determinations through its proprietary Annex D framework without providing the quantitative comparison graphs or thresholds that would enable a reader to independently verify whether a given volume of green or yellow glare constitutes *no impact, low, moderate or high* impact. The report is therefore opinion-based rather than evidence-based, and its conclusions — that glare towards Badminton Airfield is “low impact” and “operationally accommodatable” — cannot be independently verified from the information provided.

The raw ForgeSolar data presented in this report demonstrates that the cumulative annual glare burden from arrays of this scale warrants **more rigorous scrutiny** than Pager Power has applied, and that the absence of published quantitative thresholds against which individual glare durations are judged represents a fundamental evidential deficit in the submitted Environmental Statement.

Key Findings

- Total PV footprint: 563 hectares across ten array zones — one of the largest ground-mounted solar developments in England.
- Aggregate annual yellow glare (potential for temporary after-image): 395,315 minutes across all receptors.
- Bowldown Farm RWY09 approach: 12,704 minutes cumulative annual green glare from five arrays.
- Charlton Park RWY25 approach: 13,340 minutes cumulative annual green glare from eight arrays.
- Road 1: 47,246 minutes yellow glare per annum. Road 2: 47,503 minutes yellow glare per annum.
- Rail 2: 26,868 minutes yellow glare per annum. Rail 3: 11,834 minutes yellow glare per annum.
- Pager Power's submitted report does not reproduce the ForgeSolar output data and applies Annex D without quantitative thresholds — conclusions cannot be independently verified.

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1 Introduction and Scope

1.1 Purpose of This Report

This report summarises and interprets the results of the ForgeSolar glint and glare analysis (ref: 110SLD001-2, Version 2.0, dated 09 April 2026) for the proposed Lime Down Solar Park, Wiltshire, and provides a comparative technical review against the Pager Power Glint and Glare Study submitted as Appendix 20-4 to the Environmental Statement (EN010168/APP/6.3, September 2025, Revision 1).

The report is intended to assist the Planning Inspectorate and interested parties in understanding the nature and scale of predicted glare effects, the limitations of the applicant’s submitted assessment, and the evidential basis — or lack thereof — for the impact significance conclusions presented by Pager Power.

1.2 Assessment Tool and Parameters

The ForgeSolar analysis was executed using the ForgeSolar Radiometric Physics Engine 3.1.2 (Project ID 28603, Configuration 172779, Site ID 172779.28603). The key radiometric parameters applied are set out in Table 1 below.

Parameter	Value Applied
Direct Normal Irradiance (DNI)	Varies (1,000 W/m ² peak)
Ocular transmission coefficient	0.5
Pupil diameter	0.002 m
Eye focal length	0.017 m
Sun subtended angle	9.3 mrad
Minimum sun altitude	0.0°
Time-step resolution	1 minute
Panel material	Smooth glass with anti-reflective (AR) coating
Panel tracking type	Single-axis (SA) tracking — all arrays

Table 1: ForgeSolar Assessment Parameters

1.3 Glare Intensity Classifications

ForgeSolar adopts the Sandia National Laboratories radiometric methodology to classify glare intensity. Two relevant intensity thresholds are used throughout this report:

- **“Green” glare** — Low potential for temporary after-image. Glare exists within the receptor’s field of view but is assessed by the Sandia model as unlikely to produce a lasting visual effect.
- **“Yellow” glare** — Potential for temporary after-image. This is the more significant intensity classification, indicating that the reflected irradiance is sufficient to produce a temporary visual impairment lasting beyond the period of direct exposure.

Both categories relate to detectable, directional solar reflections from the PV panel surface. Neither category is equivalent to “no effect”. The distinction concerns the likelihood and duration of post-exposure visual impairment.

2 PV Array Configuration and Scale

2.1 Array Footprint Areas

The Lime Down Solar Park comprises ten discrete PV array zones totalling approximately 563 hectares of panel footprint. The physical scale of the development is a primary determinant of cumulative glare impact: larger array footprints present greater reflective surface area, increase the probability that a receptor’s line of sight will intersect a reflecting panel at any given moment, and extend the duration of glare exposure across the diurnal cycle and throughout the year.

PV Array	Footprint Area (m ²)	Footprint (ha)	Tracking Type	ForgeSolar Glare Classification
A1	85,656	8.6	Single-axis	Green only
A2	475,965	47.6	Single-axis	Green only
B	465,865	46.6	Single-axis	Green and Yellow
C	1,030,141	103.0	Single-axis	Green and Yellow
C2	386,594	38.7	Single-axis	Green and Yellow
C3	181,912	18.2	Single-axis	Green and Yellow
D1-2	1,450,774	145.1	Single-axis	Green and Yellow
D3	364,844	36.5	Single-axis	Green and Yellow
E1	203,061	20.3	Single-axis	Green and Yellow
E2	985,239	98.5	Single-axis	Green and Yellow
TOTAL	5,630,051	563.0	—	—

Table 2: PV Array Footprint Areas and Glare Classification

2.2 Significance of Scale — Cumulative Impact Rationale

The total PV footprint of 563 hectares places this scheme among the largest ground-mounted solar developments in England. The cumulative glare impact of an array of this scale cannot be assessed by considering individual array zones in isolation. There are two principal reasons for this:

(a) Additive exposure at shared receptors: Each aviation, road and rail receptor is exposed to glare from multiple arrays simultaneously or sequentially during each day. A pilot approaching Bowdown Farm Runway 09, for example, may experience green glare from arrays A2, B, D1-2, D3, E1 and E2 — each contributing hundreds to thousands of annual minutes of exposure. These contributions are cumulative in terms of the total annual burden on that receptor.

(b) Extended angular subtension of large arrays: A panel array of 145 hectares (D1-2) subtends a far wider arc of azimuth and elevation from a given receptor than a small installation. This means the window of time during which the sun’s angle can produce a specular reflection into the receptor’s field of view is considerably extended. The ForgeSolar time-step data confirms this: D1-2 produces green glare in every calendar month of the year at multiple receptors.

Academic and regulatory literature supports the principle that cumulative photovoltaic glare is a function of panel area, ground reflective power geometry and receptor sensitivity. Dobos and Neises (2012) and the Sandia SGHAT documentation both identify array footprint as a primary input to predicted glare duration and irradiance — consistent with the ForgeSolar model’s structure. The UK CAA’s guidance (CAP 764, Ed.7) acknowledges that cumulative effects across large installations require specific assessment, particularly where multiple arrays share a common receptor geometry.

3 ForgeSolar Results – Summary

3.1 Total Annual Glare by Array

Table 3 below reproduces the ForgeSolar summary of total predicted glare per array across all receptors, on an annual cumulative basis. These figures represent aggregate exposure before screening adjustments.

PV Array	Annual Green Glare (min)	Annual Yellow Glare (min)	Yellow / Total Ratio (%)
A1	828	0	0%
A2	1,433	0	0%
B	5,630	889	14%
C	21,825	68,987	76%
C2	134,033	32,855	20%
C3	18,657	10,075	35%
D1-2	337,972	177,497	34%
D3	154,258	79,151	34%
E1	6,924	2,713	28%
E2	28,747	23,148	45%
AGGREGATE TOTAL	710,307	395,315	36%

Table 3: Total Annual Glare by PV Array (all receptors combined)

The aggregate annual yellow glare total of **395,315 minutes** (equivalent to approximately 6,589 hours) across all arrays and receptors is highly significant. To contextualise this figure: if a single receptor were to experience the total yellow glare output continuously, it would be exposed for approximately 275 days without interruption. While this is a theoretical aggregate rather than a single-receptor figure, it illustrates the scale of the photovoltaic reflective burden generated by this scheme.

3.2 Monthly Distribution of Glare

The ForgeSolar monthly breakdown reveals that glare is not a seasonal anomaly confined to specific months but is a persistent, year-round phenomenon for the dominant arrays. Table 4 summarises the monthly data for the four highest-producing arrays.

Array	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
C (Yellow)	1,958	2,432	3,613	4,051	3,499	3,533	3,524	3,946	3,802	3,002	2,075	1,692
C2 (Green)	8,877	8,627	10,428	11,038	11,999	12,320	12,374	11,489	10,547	9,867	8,664	8,802
D1-2 (Green)	5,749	9,607	15,846	19,346	21,902	21,341	21,966	21,069	16,879	12,625	6,827	3,494
D1-2 (Yellow)	9,194	6,437	5,485	4,961	5,405	5,660	5,622	5,163	5,101	6,310	8,335	10,505
D3 (Yellow)	8,261	5,995	5,245	4,774	5,283	5,460	5,450	5,023	4,865	5,998	7,616	9,319

Table 4: Monthly Glare Distribution for Dominant Arrays (minutes)

The data confirms that yellow glare from Arrays C, D1-2 and D3 persists across all twelve calendar months, with no month producing a zero output. This is not a seasonal or transitional effect but a structural characteristic of the development geometry relative to local receptor positions. The absence of any glare-free month reinforces the conclusion that the cumulative impact represents a permanent operational burden rather than a temporary or infrequent occurrence.

4 Aviation Receptor Results

4.1 Assessed Airfields and Runway Approaches

The ForgeSolar analysis assessed approach paths and visual circuits for three unlicensed general aviation airfields located in the vicinity of the scheme: Bowldown Farm Airfield, Charlton Park Airfield and Langley House Airfield. Receptor points were configured for each active runway direction, with a threshold height of 15 m above ground level (AGL), a glide slope of 3.0°, vertical view restriction of 30° and azimuthal view restriction of 50° — all consistent with standard flight-path receptor methodology.

Note on Hullavington Airfield: Pager Power assessed Hullavington as an additional airfield in its report but dismissed all predicted yellow glare impacts on the grounds that flying activities ceased in 2016. Hullavington was not included as a receptor in the Straten CSL ForgeSolar configuration, as the analysis correctly focuses on operational airfields. Pager Power’s dismissal of Hullavington glare impacts on the basis of current inactivity warrants scrutiny given the potential for airfield reactivation during the operational lifetime of a solar development consented for 60 years.

4.2 Bowldown Farm Airfield

Bowldown Farm Airfield was assessed for four runway directions: RWY04, RWY09, RWY22 and RWY27. The ForgeSolar results identify Runway 09 as the most affected approach path. Results by array are set out in Table 5.

PV Array	RWY04 Green (min)	RWY04 Yellow (min)	RWY09 Green (min)	RWY09 Yellow (min)	RWY22 Green (min)	RWY27 Green (min)
A1	0	0	0	0	0	0
A2	0	0	379	0	0	0
B	0	0	2,629	0	0	0
C	0	0	0	0	0	0
C2	0	0	0	0	0	0
C3	0	0	0	0	0	0
D1-2	0	0	2,491	0	0	0
D3	0	0	2,522	0	0	0
E1	0	0	2,380	0	0	0
E2	0	0	2,303	0	0	0
CUMULATIVE	0	0	12,704	0	0	0

Table 5: Bowldown Farm Airfield — Annual Glare by Array and Runway Approach (minutes)

The cumulative annual green glare on the Runway 09 approach path from five contributing arrays totals **12,704 minutes (approximately 212 hours)**. No yellow glare is predicted towards any Bowldown Farm approach path. Although green glare is the lower intensity classification, 12,704 minutes represents a continuous, year-round photovoltaic reflection hazard that pilots on the RWY09 approach will encounter across multiple calendar months. The absence of yellow glare does not equate to no effect — it means the effect is characterised as lower-intensity visual disruption rather than temporary after-image.

4.3 Charlton Park Airfield

Charlton Park Airfield was assessed for two runway directions: RWY07 and RWY25. All predicted glare is concentrated on the RWY25 approach path, with no glare predicted towards RWY07 from any array. Results are set out in Table 6.

PV Array	Charlton Park RWY07 Green (min)	Charlton Park RWY25 Green (min)	Charlton Park RWY25 Yellow (min)
A1	0	828	0
A2	0	1,054	0
B	0	1,742	0
C	0	1,181	0
C2	0	1,582	0
C3	0	1,809	0

D1-2	0	3,007	0
D3	0	2,137	0
E1	0	0	0
E2	0	0	0
CUMULATIVE	0	13,340	0

Table 6: Charlton Park Airfield — Annual Glare by Array and Runway Approach (minutes)

The RWY25 approach path at Charlton Park receives cumulative green glare from eight of the ten arrays, totalling **13,340 minutes (approximately 222 hours) per annum**. This is particularly noteworthy because eight geographically distributed array zones all contribute to glare in the pilot’s field of view on the same approach path — demonstrating the breadth of the scheme’s spatial glare footprint and the inadequacy of assessing individual arrays in isolation.

4.4 Langley House Airfield

Langley House Airfield was assessed for four runway directions: RWY03, RWY04, RWY21 and RWY22. The ForgeSolar analysis predicts no glare towards any Langley House approach path from any of the ten arrays. This is consistent with the airfield’s southerly position relative to the scheme and the geometric limitations of single-axis tracking reflections towards southward-facing approach paths.

4.5 Cumulative Aviation Impact Assessment

Considering all three airfields together, the scheme generates a cumulative annual green glare burden of **26,044 minutes (approximately 434 hours)** towards operational aviation receptors. No yellow glare is predicted towards any assessed approach path, which is the outcome consistent with single-axis tracking panels (which adjust their orientation to minimise high-angle reflections towards near-horizon receptors).

However, the scale of green glare — sustained across eight individual arrays and three airfields — represents a material cumulative effect. The critical question of whether 434 hours of annual green glare across approach paths constitutes no impact, low impact or moderate impact is one that Pager Power’s framework addresses without providing the underpinning quantitative thresholds to enable independent scrutiny.

5 Road and Rail Receptor Results

5.1 Road Receptors

The ForgeSolar analysis assessed two primary road route receptors (Road 1 and Road 2) together with the A429, Routes 6 and 7. The results indicate substantial yellow glare impacts at road receptors, particularly from the C2 and D1-2 arrays. Table 7 presents the Road 1 and Road 2 results.

PV Array	Road 1 Green (min)	Road 1 Yellow (min)	Road 2 Green (min)	Road 2 Yellow (min)
A1	0	0	0	0
A2	0	0	0	0
B	721	889	0	0
C	425	19,687	0	0
C2	119,351	26,655	0	0
C3	3,367	15	0	0
D1-2	107	0	130,777	47,498
D3	2,083	0	4,783	5
E1	777	0	0	0
E2	783	0	583	0
CUMULATIVE	127,614	47,246	136,143	47,503

Table 7: Road Receptors — Annual Glare by Array (minutes)

The figures for Road 1 and Road 2 are striking. Array C alone generates **19,687 minutes of yellow glare per annum** at Road 1 — equivalent to approximately 328 hours. Array C2 adds a further 26,655 minutes of yellow glare at the same receptor. The aggregate annual yellow glare burden at Road 1 is **47,246 minutes (approximately 787 hours)**. At Road 2, Array D1-2 alone contributes 47,498 minutes of yellow glare — comparable to the entire Road 1 burden. These figures indicate sustained, intense photovoltaic reflection episodes towards road users throughout the operational life of the scheme.

5.2 Rail Receptors

Three rail route receptors (Rail 1, Rail 2 and Rail 3) were assessed. Table 8 presents the results. The yellow glare figures towards Rail 2 and Rail 3 are operationally significant.

PV Array	Rail 1 Green (min)	Rail 1 Yellow (min)	Rail 2 Green (min)	Rail 2 Yellow (min)	Rail 3 Green (min)	Rail 3 Yellow (min)
B	43	0	70	0	0	0
C	1,091	457	393	3,413	0	0
C2	52	0	810	1,978	0	0
C3	849	0	1,178	0	0	0
D1-2	33	0	3,680	7,505	3,514	5
D3	806	0	2,183	3,238	410	0
E1	268	0	963	2,713	153	0

E2	641	0	2,337	8,021	5,204	11,829
CUMULATIVE	3,783	457	11,614	26,868	9,281	11,834

Table 8: Rail Receptors — Annual Glare by Array (minutes)

The rail data is particularly concerning at Rail 2 and Rail 3. Array E2 alone generates **8,021 minutes of yellow glare at Rail 2 and 11,829 minutes at Rail 3** annually. The cumulative yellow glare at Rail 2 from all arrays totals **26,868 minutes (approximately 448 hours per annum)**, and at Rail 3 totals 11,834 minutes (approximately 197 hours). These figures represent persistent, operationally significant photovoltaic glare in the field of view of train drivers — a safety-critical receptor category.

6 Comparative Review – Pager Power Report

6.1 Background

The applicant has submitted a Glint and Glare Study (EN010168/APP/6.3, Appendix 20-4) prepared by Pager Power (September 2025, Revision 1) as part of the Environmental Statement. Pager Power is a specialist solar glare consultancy and its methodology is widely used in UK planning applications. However, a detailed review of the submitted report against the ForgeSolar data analysed by Straten CSL reveals significant evidential and methodological deficiencies that undermine the report’s principal conclusions.

6.2 Non-Publication of the ForgeSolar Output Data

Pager Power’s report explicitly states (Section 3.3.2 and Annex E) that the ForgeSolar model was used to calculate glare intensity for aviation receptors. ForgeSolar produces detailed, time-step-level outputs for each PV array and receptor combination, including the annual green and yellow glare minutes that form the quantitative foundation of the assessment.

The Pager Power report **does not reproduce these ForgeSolar outputs**. The tabulated results in Tables 5 to 8 of the Pager Power report present a geometric binary assessment (solar reflections are “geometrically possible” or not) together with a qualitative glare intensity descriptor (“Green” or “Yellow”), but provide no quantification of the duration, monthly distribution or annual cumulative minutes of predicted glare. This omission is fundamental: without the raw ForgeSolar data, neither the Planning Inspectorate, interested parties nor the Secretary of State can assess whether Pager Power’s impact significance conclusions are proportionate or whether the scale of predicted glare is accurately represented.

By contrast, the Straten CSL ForgeSolar analysis (ref: 110SLD001-2) demonstrates that the annual glare burden across all receptors totals more than 1.1 million minutes of combined green and yellow glare — a figure that Pager Power’s report does not reference, reproduce or discuss.

By way of example, Section 4.3.1, page 28 of the Pager Power report states that, “*Technical modelling is not recommended for local roads, where traffic densities are likely to be relatively low, under Pager Power’s Glint and Glare Guidance.*” Yet in Section 8.2, page 86, bullet 4 states, “*Any resultant effect is much less serious and has far lesser consequences than, for example, solar reflections experienced towards a road network whereby the resultant impacts of a solar reflection can be much more serious to safety.*”. There is a clear lack of consistency with seemingly contradictory statements.

6.3 The Annex D Framework — Absence of Quantitative Thresholds

Pager Power’s report applies its proprietary Annex D framework to convert glare intensity predictions into impact significance categories (No Impact, Low, Moderate, High). The Annex D framework is presented through a series of flow charts that guide the assessor through a decision tree based on glare colour, screening availability, field-of-view position and operational context.

The critical deficiency of the Annex D framework as applied in this report is that it does not provide **any quantitative thresholds** that define the boundary between impact significance categories. There is no comparison graph, no matrix, no figure and no table that states, for example, that green glare of fewer than X minutes per annum constitutes Low impact, or that yellow glare exceeding Y minutes per annum constitutes Moderate or High impact. The determination of impact significance is therefore a matter of professional judgement exercised by Pager Power, without providing the evidential basis for that judgement to the decision-maker.

An example of this is in Section 4.3.1, it states that, “*Any solar reflections from the Scheme that are experienced by a road user along a local road would be considered low impact in the worst case in accordance with the guidance presented in Annex D, due to the relative traffic densities and potential impacts.*” The concern with this statement is that the risk is incorrectly associated with density of traffic rather than the intensity of the impact of glare to road users. If the impact of the glare is significant and the road has 10 vehicles per day of which 8 result in an incident or accident is considered a significant road safety hazard. Safety methodology requires the determination of ‘Probability’ versus ‘Severity’, in the case of risk assessing low density roads, the emphasis is the probability of an incident or accident occurring rather than the volume of traffic.

The consequence of this approach is that the report cannot be independently verified. A reader examining Tables 7 and 8 (Badminton Airfield results) will observe that yellow glare is predicted towards visual circuits, that the Annex D flow chart has been applied, and that a “Low impact” designation results — but will be unable to determine what volume of yellow glare, across what proportion of months, towards what receptor type, at what point the designation transitions from Low to Moderate. This interpretation results in an opinion-based assessment, not an evidence-based assessment.

For completeness, Pager Power’s Annex D defines the four impact significance categories in purely qualitative terms:

- **No Impact:** reflections geometrically impossible or not visible from the receptor.
- **Low:** reflections possible but impact small, or screening significantly limits the view.
- **Moderate:** reflections possible and visible but conditions do not represent worst-case.
- **High:** reflections possible and visible under worst-case conditions.

These definitions, without accompanying quantitative thresholds, do not constitute a reproducible or auditable methodology. They represent interpretive conclusions that cannot be tested by reference to the underlying ForgeSolar data.

6.4 Specific Concerns — Badminton Airfield Assessment

Pager Power designates the predicted yellow glare towards Badminton Airfield visual circuits as “Low impact” and concludes that the effects can be “operationally accommodated”. The Straten CSL review identifies four specific concerns with this conclusion.

6.4.1 No quantification of glare duration provided

Pager Power states that yellow glare is predicted towards visual circuits but does not state how many minutes of annual yellow glare are predicted, on which months it occurs, or at what time of day. The ForgeSolar data reviewed by Straten CSL for equivalent array-to-airfield geometries demonstrates that yellow glare from large single-axis tracking arrays can persist across all twelve calendar months. Without a published duration figure, the claim that glare is limited to within 2 hours of sunrise and confined to low-sun conditions cannot be verified independently.

6.4.2 The “low sun angle” rationale is insufficiently evidenced

Pager Power argues that yellow glare towards Badminton Airfield coincides with periods when the sun is low in the sky, and that the sun itself represents a more significant source of light than the panel reflection. This is a standard mitigation argument in glare assessment practice, but its validity depends on the sun being within the same azimuthal sector as the reflecting panel — a geometric coincidence that should be demonstrated through the ForgeSolar time-step data, not asserted qualitatively. The ForgeSolar model accounts for this coincidence in its reflectance calculations; the outputs, if published, would confirm or refute this argument.

6.4.3 Absence of a comparison graph or impact scale

Pager Power’s report does not include any graphical or tabular representation that maps predicted glare durations onto an impact scale. Without such a comparison, the designation of yellow glare at Badminton Airfield as “Low” rather than “Moderate” is presented as a fait accompli rather than as a conclusion derived transparently from the data. The Planning Inspectorate is therefore unable to interrogate whether the assessment has correctly characterised the scale of the effect.

6.4.4 Operational context of Badminton Airfield

Pager Power notes that Badminton Airfield is an unlicensed general aviation aerodrome with grass runways and no Air Traffic Control, and argues that traffic volumes are low. However, the absence of ATC at an unlicensed aerodrome increases, rather than decreases, the safety significance of pilot visual impairment, because pilots must rely entirely on their own visual observation to separate from other aircraft. Yellow glare in the visual circuit of an uncontrolled aerodrome is therefore a more — not less — operationally significant hazard than at a licensed aerodrome with ground-based radar surveillance.

6.5 Summary Comparison Table

Assessment Aspect	Straten CSL / ForgeSolar (110SLD001-2)	Pager Power (EN010168/APP/6.3)
ForgeSolar data published?	Yes — full annual and monthly minutes per array per receptor	No — intensity category only (Green/Yellow)
Quantitative glare durations provided?	Yes — to nearest minute, all arrays and receptors	No — qualitative descriptors only
Monthly breakdown provided?	Yes — twelve-month distribution for all arrays	No
Cumulative multi-array totals calculated?	Yes — cumulative receptor totals across all arrays	No — arrays appear to be assessed individually
Impact scale thresholds defined quantitatively?	N/A — this report presents raw data for independent assessment	No — Annex D provides qualitative categories only
Aviation impact designation for Badminton circuits	Yellow glare confirmed; cumulative duration confirmed by ForgeSolar data	“Low impact” — basis not independently verifiable
Road receptor yellow glare disclosed?	Yes — Road 1: 47,246 min/yr; Road 2: 47,503 min/yr yellow	Partial — some mitigation claimed; raw figures not published
Rail receptor yellow glare disclosed?	Yes — Rail 2: 26,868 min/yr yellow; Rail 3: 11,834 min/yr yellow	Some mitigation committed; raw data not reproduced
Overall evidential basis	Evidence-based: raw ForgeSolar radiometric outputs	Opinion-based: proprietary framework without published quantitative thresholds

Table 9: Comparative Assessment — Straten CSL vs Pager Power

7 Conclusions and Recommendations

7.1 Conclusions

The ForgeSolar analysis conducted by Straten CSL (ref: 110SLD001-2) produces the following principal conclusions in respect of the Lime Down Solar Park:

(1) Glare is confirmed at multiple receptor categories from the majority of arrays. Eight of the ten assessed PV arrays (B, C, C2, C3, D1-2, D3, E1 and E2) produce yellow glare — the higher-intensity classification carrying potential for temporary after-image — at road, rail or discrete observation point receptors.

(2) The cumulative glare burden is substantial and persistent year-round. The aggregate annual yellow glare output across all arrays and receptors exceeds 395,000 minutes. Yellow glare from the dominant arrays (C, D1-2, D3) is present in every calendar month, confirming that this is a structural characteristic of the development’s geometry rather than a seasonal or transitional phenomenon.

(3) Aviation approach paths receive sustained cumulative green glare. The RWY09 approach at Bowdown Farm and the RWY25 approach at Charlton Park each receive in excess of 12,000 minutes of annual green

glare from multiple contributing arrays. The absence of yellow glare at these approach paths is consistent with the tracking geometry but does not indicate an absence of effect.

(4) Road and rail receptor yellow glare figures are operationally significant. The cumulative annual yellow glare at Road 1 (47,246 min), Road 2 (47,503 min), Rail 2 (26,868 min) and Rail 3 (11,834 min) represents a substantial and persistent safety-relevant reflective hazard that warrants careful examination.

(5) The Pager Power report does not provide a reproducible evidential basis for its impact conclusions. The non-disclosure of the underlying ForgeSolar output data, the absence of quantitative impact thresholds in Annex D, and the qualitative basis of impact significance designations mean that the submitted Environmental Statement does not enable the Planning Inspectorate or interested parties to independently verify the conclusions advanced by the applicant's consultant.

7.2 Recommendations

Straten CSL recommends that the Planning Inspectorate and/or Examining Authority consider the following actions in respect of the Lime Down Solar Park glint and glare assessment:

- Require the applicant to disclose the full ForgeSolar output data (annual and monthly glare minutes by array and receptor) as a condition of the examination, to enable independent verification of the impact significance conclusions.
- Require Pager Power to provide a quantitative impact threshold matrix defining, in terms of annual glare minutes, the boundaries between No Impact, Low, Moderate and High impact designations for each receptor category — without which the Annex D framework cannot be independently applied or audited.
- Commission or require independent review of the aviation assessments for Badminton Airfield and Bowdown Farm Airfield, with specific reference to the cumulative multi-array glare burden rather than the per-array analysis presented by Pager Power.
- Require the applicant to address the cumulative impact of the scheme's 563-hectare panel footprint explicitly, rather than treating each array zone as a discrete assessment unit.
- Consider whether the yellow glare predicted at Rail 2 and Rail 3, with annual totals exceeding 26,000 and 11,000 minutes respectively, has been sufficiently assessed in the context of train driver safety, and whether the committed mitigation measures (backtracking restriction) are sufficient to address these impacts across all contributing arrays.

7.3 Expert Statement

The evidence which I have prepared and provide for this Examination is true, and the opinions expressed are my own professional opinions, irrespective of by whom I am instructed.

My name is John van Hoogstraten. I am the Founder and Managing Director of Straten Consulting Services Ltd, a specialist aviation consultancy established in November 2021 and recognised as Best Global Specialist Aviation Consultancy in both 2023 and 2024. My career has spanned senior operational, regulatory, and safety oversight roles internationally.

My professional expertise encompasses aviation policy and regulatory compliance, safety and risk management, airspace design, and aviation safeguarding, including obstacle limitation surfaces, instrument

flight procedure protection, and communications, navigation, and surveillance assessments. I have extensive experience in the preparation and critical review of solar glint and glare assessments across the United Kingdom and Ireland, applying both the ForgeSolar radiometric methodology and available regulatory guidance. My clients in this field have included British Airways and Boeing, and I have completed studies at and in the environs of Heathrow Airport, Gatwick Airport, Brighton City Airport, Cambridge Airport, and at several development sites across Ireland.

I confirm that I understand my duty to the Examining Authority and have complied with that duty. I confirm that this evidence identifies all facts which I regard as being relevant to the opinions I have expressed and that attention has been drawn to any matter which would affect the validity of those opinions. I confirm that my opinions are based upon my own professional knowledge and experience and are given honestly and in good faith.



Stop Limes Down

SLD

Created Mar 10, 2026
Updated Apr 08, 2026
Time-step 1 minute
Timezone offset UTC0
Minimum sun altitude 0.0 deg
Site ID 172779.28603

Project type Advanced
Project status: active
Category 100 MW to 1 GW

Misc. Analysis Settings

DNI: **varies (1,000.0 W/m² peak)**
 Ocular transmission coefficient: **0.5**
 Pupil diameter: **0.002 m**
 Eye focal length: **0.017 m**
 Sun subtended angle: **9.3 mrad**

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

ForgeSolar Radiometric Physics Engine 3.1.2

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
A1	SA tracking	SA tracking	828	0	-
A2	SA tracking	SA tracking	1,433	0	-
B	SA tracking	SA tracking	5,630	889	-
C	SA tracking	SA tracking	21,825	68,987	-
C2	SA tracking	SA tracking	134,033	32,855	-
C3	SA tracking	SA tracking	18,657	10,075	-
D1-2	SA tracking	SA tracking	337,972	177,497	-
D3	SA tracking	SA tracking	154,258	79,151	-
E1	SA tracking	SA tracking	6,924	2,713	-
E2	SA tracking	SA tracking	28,747	23,148	-

Component Data

PV Array(s)

Total PV footprint area: 5,630,051 m²

Name: A1
Footprint area: 85,656 m²
Axis tracking: Single-axis rotation
Backtracking: Instant
Tracking axis orientation: 180.0 deg
Tracking axis tilt: 0.0 deg
Tracking axis panel offset: 0.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Rated power: -
Panel material: Smooth glass with AR coating



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.554934	-2.197504	109.07	2.50	111.57
2	51.556588	-2.197032	110.95	2.50	113.45
3	51.557122	-2.198620	111.59	2.50	114.09
4	51.557549	-2.199221	112.03	2.50	114.53
5	51.557602	-2.203255	114.35	2.50	116.85
6	51.556428	-2.202697	117.33	2.50	119.83
7	51.555708	-2.201538	114.07	2.50	116.57
8	51.555174	-2.199736	110.45	2.50	112.95

Name: A2
Footprint area: 475,965 m²
Axis tracking: Single-axis rotation
Backtracking: Instant
Tracking axis orientation: 180.0 deg
Tracking axis tilt: 0.0 deg
Tracking axis panel offset: 0.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Rated power: -
Panel material: Smooth glass with AR coating



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.557292	-2.193110	111.20	2.50	113.70
2	51.557745	-2.196329	111.91	2.50	114.41
3	51.557513	-2.196404	111.74	2.50	114.24
4	51.558466	-2.201876	113.23	2.50	115.73
5	51.558987	-2.201811	113.24	2.50	115.74
6	51.562692	-2.205283	116.24	2.50	118.74
7	51.562598	-2.205884	117.17	2.50	119.67
8	51.562092	-2.205841	118.16	2.50	120.66
9	51.561891	-2.207150	119.53	2.50	122.03
10	51.564226	-2.208244	117.92	2.50	120.42
11	51.564813	-2.205133	113.73	2.50	116.23
12	51.563345	-2.204790	116.73	2.50	119.23
13	51.562812	-2.204210	117.08	2.50	119.58
14	51.563586	-2.202043	115.23	2.50	117.73
15	51.564919	-2.202644	114.20	2.50	116.70
16	51.565266	-2.201528	114.93	2.50	117.43
17	51.564733	-2.199340	116.62	2.50	119.12
18	51.563012	-2.195778	113.17	2.50	115.67
19	51.560264	-2.196228	110.08	2.50	112.58
20	51.560224	-2.192430	107.41	2.50	109.91

Name: B
Footprint area: 465,865 m²
Axis tracking: Single-axis rotation
Backtracking: Instant
Tracking axis orientation: 180.0 deg
Tracking axis tilt: 0.0 deg
Tracking axis panel offset: 0.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Rated power: -
Panel material: Smooth glass with AR coating



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.568057	-2.174408	100.04	2.50	102.54
2	51.570591	-2.171146	95.91	2.50	98.41
3	51.569497	-2.169472	93.45	2.50	95.95
4	51.569198	-2.169774	93.90	2.50	96.40
5	51.569024	-2.169506	94.05	2.50	96.55
6	51.569178	-2.168701	95.11	2.50	97.61
7	51.567584	-2.167135	92.45	2.50	94.95
8	51.567177	-2.167349	90.06	2.50	92.56
9	51.566742	-2.167798	91.21	2.50	93.71
10	51.564688	-2.165716	95.40	2.50	97.90
11	51.565168	-2.163291	91.71	2.50	94.21
12	51.564915	-2.163028	91.29	2.50	93.79
13	51.565541	-2.160067	89.86	2.50	92.36
14	51.567542	-2.158930	85.83	2.50	88.33
15	51.567302	-2.157878	85.78	2.50	88.28
16	51.566942	-2.157256	85.07	2.50	87.57
17	51.566715	-2.157042	85.28	2.50	87.78
18	51.566435	-2.157127	86.05	2.50	88.55
19	51.565995	-2.157106	86.03	2.50	88.53
20	51.565822	-2.158694	88.12	2.50	90.62
21	51.564221	-2.158436	90.36	2.50	92.86
22	51.563274	-2.157814	89.10	2.50	91.60
23	51.563060	-2.157471	89.30	2.50	91.80
24	51.562380	-2.158608	90.25	2.50	92.75
25	51.562060	-2.158994	91.29	2.50	93.79
26	51.561593	-2.159702	92.41	2.50	94.91
27	51.563301	-2.161440	93.50	2.50	96.00
28	51.561326	-2.166869	98.11	2.50	100.61
29	51.564914	-2.170518	93.83	2.50	96.33

Name: C
Footprint area: 1,030,141 m²
Axis tracking: Single-axis rotation
Backtracking: Instant
Tracking axis orientation: 180.0 deg
Tracking axis tilt: 0.0 deg
Tracking axis panel offset: 0.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Rated power: -
Panel material: Smooth glass with AR coating



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.544863	-2.199946	111.37	2.50	113.87
2	51.545263	-2.201748	113.25	2.50	115.75
3	51.545130	-2.202435	113.21	2.50	115.71
4	51.545050	-2.203186	112.85	2.50	115.35
5	51.545050	-2.204001	112.57	2.50	115.07
6	51.545077	-2.204731	112.09	2.50	114.59
7	51.545197	-2.205181	113.13	2.50	115.63
8	51.544810	-2.207499	114.17	2.50	116.67
9	51.544650	-2.207649	113.65	2.50	116.15
10	51.544556	-2.208035	113.96	2.50	116.46
11	51.544396	-2.209258	114.94	2.50	117.44
12	51.544476	-2.209902	114.91	2.50	117.41
13	51.544329	-2.210245	115.64	2.50	118.14
14	51.544049	-2.213485	118.50	2.50	121.00
15	51.544009	-2.213915	119.14	2.50	121.64
16	51.544320	-2.214011	120.39	2.50	122.89
17	51.543413	-2.218302	125.92	2.50	128.42
18	51.543973	-2.218259	124.51	2.50	127.01
19	51.544120	-2.221736	126.59	2.50	129.09
20	51.546082	-2.221328	127.17	2.50	129.67
21	51.548012	-2.220301	128.26	2.50	130.76
22	51.548286	-2.219904	128.99	2.50	131.49
23	51.548152	-2.219400	127.98	2.50	130.48
24	51.547679	-2.218380	126.65	2.50	129.15
25	51.546851	-2.217200	125.99	2.50	128.49

26	51.548212	-2.214282	125.97	2.50	128.47
27	51.547745	-2.213842	124.70	2.50	127.20
28	51.547745	-2.213606	124.18	2.50	126.68
29	51.547845	-2.213155	124.01	2.50	126.51
30	51.547939	-2.213027	124.37	2.50	126.87
31	51.548039	-2.212973	124.19	2.50	126.69
32	51.548479	-2.213230	124.47	2.50	126.97
33	51.548539	-2.213263	124.55	2.50	127.05
34	51.549407	-2.210226	119.83	2.50	122.33
35	51.549794	-2.209733	117.09	2.50	119.59
36	51.550044	-2.209787	114.74	2.50	117.24
37	51.551491	-2.211461	113.15	2.50	115.65
38	51.551585	-2.211380	112.40	2.50	114.90
39	51.551605	-2.211058	111.98	2.50	114.48
40	51.551738	-2.209921	111.32	2.50	113.82
41	51.551158	-2.205726	111.35	2.50	113.85
42	51.551134	-2.204743	110.38	2.50	112.88
43	51.551281	-2.202984	110.49	2.50	112.99
44	51.551468	-2.202104	110.36	2.50	112.86
45	51.551435	-2.201611	110.73	2.50	113.23
46	51.551615	-2.200774	111.08	2.50	113.58
47	51.551815	-2.200012	110.74	2.50	113.24
48	51.552489	-2.199014	109.22	2.50	111.72
49	51.553263	-2.197062	108.44	2.50	110.94
50	51.553690	-2.195881	106.88	2.50	109.38
51	51.553716	-2.195474	106.99	2.50	109.49
52	51.553596	-2.195087	108.12	2.50	110.62
53	51.553823	-2.190903	105.15	2.50	107.65
54	51.553690	-2.190538	105.30	2.50	107.80
55	51.549140	-2.195259	112.64	2.50	115.14
56	51.549153	-2.195624	111.99	2.50	114.49
57	51.549086	-2.195989	111.85	2.50	114.35
58	51.548913	-2.196139	111.62	2.50	114.12
59	51.548766	-2.196160	111.45	2.50	113.95
60	51.548619	-2.196311	111.62	2.50	114.12
61	51.549020	-2.198499	116.18	2.50	118.68
62	51.550821	-2.198027	114.51	2.50	117.01
63	51.550968	-2.200280	113.04	2.50	115.54
64	51.550661	-2.200430	113.52	2.50	116.02
65	51.549794	-2.203606	113.44	2.50	115.94
66	51.549673	-2.205301	115.18	2.50	117.68
67	51.547925	-2.205130	118.55	2.50	121.05
68	51.547912	-2.203177	119.89	2.50	122.39
69	51.547912	-2.201053	116.05	2.50	118.55
70	51.547885	-2.200838	115.17	2.50	117.67
71	51.548993	-2.200409	115.72	2.50	118.22
72	51.548152	-2.196504	113.12	2.50	115.62

Name: C2
Footprint area: 386,594 m²
Axis tracking: Single-axis rotation
Backtracking: Instant
Tracking axis orientation: 180.0 deg
Tracking axis tilt: 0.0 deg
Tracking axis panel offset: 0.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Rated power: -
Panel material: Smooth glass with AR coating



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.541800	-2.215681	126.27	2.50	128.77
2	51.542360	-2.215188	125.30	2.50	127.80
3	51.543001	-2.215789	122.92	2.50	125.42
4	51.543428	-2.213879	119.05	2.50	121.55
5	51.543708	-2.211755	116.04	2.50	118.54
6	51.543855	-2.210317	115.59	2.50	118.09
7	51.544002	-2.206970	113.67	2.50	116.17
8	51.544295	-2.200447	109.30	2.50	111.80
9	51.544909	-2.190919	105.97	2.50	108.47
10	51.545737	-2.183431	104.44	2.50	106.94
11	51.545363	-2.183280	105.97	2.50	108.47
12	51.544616	-2.184911	107.36	2.50	109.86
13	51.544429	-2.185877	107.26	2.50	109.76
14	51.544282	-2.186692	107.55	2.50	110.05
15	51.543215	-2.184782	111.65	2.50	114.15
16	51.542521	-2.187765	113.02	2.50	115.52
17	51.542334	-2.188065	113.49	2.50	115.99
18	51.541800	-2.191198	114.94	2.50	117.44
19	51.541867	-2.191735	114.32	2.50	116.82
20	51.543695	-2.191735	107.86	2.50	110.36
21	51.543495	-2.193087	107.57	2.50	110.07
22	51.543268	-2.194310	108.54	2.50	111.04
23	51.543304	-2.197281	108.26	2.50	110.76
24	51.543704	-2.201014	112.07	2.50	114.57
25	51.541222	-2.203675	115.35	2.50	117.85
26	51.542503	-2.205671	117.77	2.50	120.27
27	51.542703	-2.205800	118.61	2.50	121.11
28	51.542850	-2.205757	118.65	2.50	121.15
29	51.543304	-2.205435	117.45	2.50	119.95
30	51.543518	-2.205392	115.60	2.50	118.10
31	51.543624	-2.205757	115.95	2.50	118.45
32	51.543611	-2.206229	115.98	2.50	118.48
33	51.543528	-2.206876	115.62	2.50	118.12
34	51.543742	-2.207240	114.93	2.50	117.43
35	51.543715	-2.207433	114.58	2.50	117.08
36	51.543368	-2.207519	116.56	2.50	119.06
37	51.543368	-2.208249	115.59	2.50	118.09
38	51.542260	-2.207970	120.19	2.50	122.69
39	51.541727	-2.209086	121.42	2.50	123.92
40	51.542127	-2.210738	121.50	2.50	124.00
41	51.542394	-2.210480	120.67	2.50	123.17
42	51.543275	-2.210395	117.39	2.50	119.89
43	51.543675	-2.211360	116.47	2.50	118.97
44	51.543622	-2.211618	117.24	2.50	119.74
45	51.542794	-2.212154	120.99	2.50	123.49
46	51.542434	-2.212068	122.76	2.50	125.26
47	51.541566	-2.212948	124.42	2.50	126.92
48	51.541820	-2.214107	124.11	2.50	126.61
49	51.541566	-2.214407	124.97	2.50	127.47
50	51.541473	-2.214472	124.88	2.50	127.38

Name: C3
Footprint area: 181,912 m²
Axis tracking: Single-axis rotation
Backtracking: Instant
Tracking axis orientation: 180.0 deg
Tracking axis tilt: 0.0 deg
Tracking axis panel offset: 0.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Rated power: -
Panel material: Smooth glass with AR coating



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.545917	-2.181708	103.44	2.50	105.94
2	51.543662	-2.180056	110.85	2.50	113.35
3	51.543208	-2.181472	111.07	2.50	113.57
4	51.541700	-2.180528	111.45	2.50	113.95
5	51.542714	-2.176988	111.05	2.50	113.55
6	51.542487	-2.176623	111.33	2.50	113.83
7	51.543528	-2.174348	111.27	2.50	113.77
8	51.543688	-2.174434	111.21	2.50	113.71
9	51.544342	-2.173254	109.35	2.50	111.85
10	51.546117	-2.176001	112.54	2.50	115.04
11	51.545650	-2.176494	112.99	2.50	115.49
12	51.546317	-2.177009	109.33	2.50	111.83

Name: D1-2
Footprint area: 1,450,774 m²
Axis tracking: Single-axis rotation
Backtracking: Instant
Tracking axis orientation: 180.0 deg
Tracking axis tilt: 0.0 deg
Tracking axis panel offset: 0.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Rated power: -
Panel material: Smooth glass with AR coating



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.549216	-2.173557	103.06	2.50	105.56
2	51.547414	-2.171046	108.68	2.50	111.18
3	51.547468	-2.169823	105.12	2.50	107.62
4	51.547481	-2.169437	105.00	2.50	107.50
5	51.548308	-2.167420	102.92	2.50	105.42
6	51.548305	-2.167306	102.92	2.50	105.42
7	51.548278	-2.167247	102.96	2.50	105.46
8	51.548228	-2.167220	103.20	2.50	105.70
9	51.548098	-2.167290	103.82	2.50	106.32
10	51.546650	-2.165924	104.89	2.50	107.39
11	51.545736	-2.158404	99.27	2.50	101.77
12	51.547057	-2.154777	94.88	2.50	97.38
13	51.547057	-2.154091	94.66	2.50	97.16
14	51.547417	-2.153018	95.10	2.50	97.60
15	51.547738	-2.152932	92.92	2.50	95.42
16	51.547951	-2.152245	92.01	2.50	94.51
17	51.548191	-2.152353	91.94	2.50	94.44
18	51.548311	-2.151945	92.19	2.50	94.69
19	51.548677	-2.152145	91.84	2.50	94.34
20	51.549577	-2.149023	88.50	2.50	91.00
21	51.549851	-2.147993	87.41	2.50	89.91
22	51.549844	-2.147210	85.95	2.50	88.45
23	51.549497	-2.145493	83.67	2.50	86.17
24	51.549524	-2.145064	83.10	2.50	85.60
25	51.549964	-2.144571	82.79	2.50	85.29
26	51.550471	-2.144549	82.58	2.50	85.08
27	51.550671	-2.144399	82.26	2.50	84.76
28	51.550671	-2.144163	82.20	2.50	84.70
29	51.549631	-2.142768	80.74	2.50	83.24
30	51.551112	-2.135086	78.04	2.50	80.54
31	51.551285	-2.134764	78.25	2.50	80.75
32	51.551512	-2.134829	77.86	2.50	80.36
33	51.551692	-2.134603	77.61	2.50	80.11
34	51.552066	-2.134657	77.12	2.50	79.62
35	51.552259	-2.134507	76.55	2.50	79.05
36	51.553342	-2.134511	76.17	2.50	78.67
37	51.553595	-2.139125	80.15	2.50	82.65
38	51.553209	-2.139339	79.50	2.50	82.00
39	51.553142	-2.143094	81.10	2.50	83.60

40	51.553769	-2.146270	85.02	2.50	87.52
41	51.554503	-2.148330	85.45	2.50	87.95
42	51.554876	-2.148888	85.07	2.50	87.57
43	51.553826	-2.151939	88.14	2.50	90.64
44	51.553439	-2.152475	89.23	2.50	91.73
45	51.553212	-2.152604	89.31	2.50	91.81
46	51.553012	-2.152561	89.17	2.50	91.67
47	51.550997	-2.151359	89.18	2.50	91.68
48	51.550744	-2.151574	89.76	2.50	92.26
49	51.550597	-2.151703	90.17	2.50	92.67
50	51.550664	-2.152089	89.77	2.50	92.27
51	51.550771	-2.152261	89.70	2.50	92.20
52	51.550997	-2.152347	89.59	2.50	92.09
53	51.550891	-2.152904	90.10	2.50	92.60
54	51.550637	-2.153012	90.63	2.50	93.13
55	51.550584	-2.153634	90.50	2.50	93.00
56	51.550344	-2.154149	91.26	2.50	93.76
57	51.551238	-2.155007	93.07	2.50	95.57
58	51.552172	-2.153827	90.94	2.50	93.44
59	51.553479	-2.154921	90.13	2.50	92.63
60	51.554039	-2.155651	90.24	2.50	92.74
61	51.554440	-2.156381	91.09	2.50	93.59
62	51.553866	-2.157861	94.18	2.50	96.68
63	51.553933	-2.159127	95.57	2.50	98.07
64	51.553252	-2.160844	98.16	2.50	100.66
65	51.554949	-2.164932	99.80	2.50	102.30
66	51.554162	-2.166391	99.76	2.50	102.26
67	51.553935	-2.166713	100.06	2.50	102.56
68	51.552735	-2.167979	101.93	2.50	104.43
69	51.550186	-2.171348	104.05	2.50	106.55
70	51.549826	-2.171798	104.03	2.50	106.53

Name: D3
Footprint area: 364,844 m²
Axis tracking: Single-axis rotation
Backtracking: Instant
Tracking axis orientation: 180.0 deg
Tracking axis tilt: 0.0 deg
Tracking axis panel offset: 0.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Rated power: -
Panel material: Smooth glass with AR coating



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.545997	-2.140309	81.83	2.50	84.33
2	51.546331	-2.139430	81.38	2.50	83.88
3	51.546891	-2.139709	78.80	2.50	81.30
4	51.547585	-2.139816	78.99	2.50	81.49
5	51.548159	-2.139902	79.72	2.50	82.22
6	51.548866	-2.140159	80.48	2.50	82.98
7	51.549066	-2.139945	80.78	2.50	83.28
8	51.549093	-2.139644	79.38	2.50	81.88
9	51.549160	-2.137928	80.19	2.50	82.69
10	51.549360	-2.137370	80.09	2.50	82.59
11	51.550107	-2.134387	78.34	2.50	80.84
12	51.550241	-2.133872	78.63	2.50	81.13
13	51.550454	-2.133722	77.86	2.50	80.36
14	51.550964	-2.133562	77.39	2.50	79.89
15	51.553206	-2.131395	75.20	2.50	77.70
16	51.554086	-2.126159	75.00	2.50	77.50
17	51.554133	-2.125891	75.00	2.50	77.50
18	51.553372	-2.125054	74.00	2.50	76.50
19	51.553506	-2.124550	74.00	2.50	76.50
20	51.553019	-2.124454	74.00	2.50	76.50
21	51.553059	-2.123896	74.00	2.50	76.50
22	51.552185	-2.124067	74.70	2.50	77.20
23	51.551811	-2.125784	75.50	2.50	78.00
24	51.551364	-2.125591	77.12	2.50	79.62
25	51.550817	-2.127994	79.25	2.50	81.75
26	51.550604	-2.128606	79.68	2.50	82.18
27	51.549216	-2.131950	83.50	2.50	86.00
28	51.547814	-2.130598	94.42	2.50	96.92
29	51.546667	-2.132508	94.05	2.50	96.55
30	51.547267	-2.133259	89.92	2.50	92.42
31	51.547588	-2.133259	88.15	2.50	90.65
32	51.548322	-2.134032	85.07	2.50	87.57
33	51.546320	-2.138259	82.98	2.50	85.48
34	51.546667	-2.138388	81.33	2.50	83.83
35	51.546760	-2.138731	80.73	2.50	83.23
36	51.546560	-2.138902	81.25	2.50	83.75
37	51.546013	-2.138860	81.85	2.50	84.35
38	51.545733	-2.138945	81.76	2.50	84.26
39	51.545426	-2.139997	82.45	2.50	84.95

Name: E1
Footprint area: 203,061 m²
Axis tracking: Single-axis rotation
Backtracking: Instant
Tracking axis orientation: 180.0 deg
Tracking axis tilt: 0.0 deg
Tracking axis panel offset: 0.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Rated power: -
Panel material: Smooth glass with AR coating



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.544452	-2.111351	89.91	2.50	92.41
2	51.542784	-2.113046	90.77	2.50	93.27
3	51.542583	-2.112960	91.35	2.50	93.85
4	51.542530	-2.112724	91.50	2.50	94.00
5	51.543317	-2.109827	90.48	2.50	92.98
6	51.543464	-2.110214	90.08	2.50	92.58
7	51.543598	-2.110407	90.21	2.50	92.71
8	51.544185	-2.110514	90.35	2.50	92.85
9	51.543638	-2.108797	94.41	2.50	96.91
10	51.544852	-2.106308	95.00	2.50	97.50
11	51.543691	-2.104356	91.83	2.50	94.33
12	51.543798	-2.103240	86.65	2.50	89.15
13	51.544465	-2.103004	89.56	2.50	92.06
14	51.545533	-2.104549	91.18	2.50	93.68
15	51.546453	-2.102961	92.03	2.50	94.53
16	51.547481	-2.103841	86.75	2.50	89.25
17	51.547121	-2.104613	85.01	2.50	87.51
18	51.547828	-2.105686	81.68	2.50	84.18
19	51.547481	-2.108282	84.00	2.50	86.50
20	51.547187	-2.109162	84.66	2.50	87.16
21	51.544745	-2.111887	88.71	2.50	91.21

Name: E2
Footprint area: 985,239 m²
Axis tracking: Single-axis rotation
Backtracking: Instant
Tracking axis orientation: 180.0 deg
Tracking axis tilt: 0.0 deg
Tracking axis panel offset: 0.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Rated power: -
Panel material: Smooth glass with AR coating



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.542283	-2.108865	84.99	2.50	87.49
2	51.542203	-2.109788	86.88	2.50	89.38
3	51.541442	-2.110388	94.92	2.50	97.42
4	51.540668	-2.108350	82.62	2.50	85.12
5	51.539160	-2.110496	87.63	2.50	90.13
6	51.538906	-2.110903	86.92	2.50	89.42
7	51.538653	-2.111032	84.52	2.50	87.02
8	51.538613	-2.111504	86.56	2.50	89.06
9	51.538172	-2.113028	83.62	2.50	86.12
10	51.538372	-2.113521	86.65	2.50	89.15
11	51.537985	-2.114594	81.19	2.50	83.69
12	51.537652	-2.116010	81.57	2.50	84.07
13	51.537518	-2.116890	81.90	2.50	84.40
14	51.536811	-2.117190	81.00	2.50	83.50
15	51.536357	-2.116675	80.64	2.50	83.14
16	51.536157	-2.117620	81.00	2.50	83.50
17	51.534875	-2.116096	79.98	2.50	82.48
18	51.533136	-2.115095	83.83	2.50	86.33
19	51.532015	-2.113851	88.10	2.50	90.60
20	51.531561	-2.113786	88.13	2.50	90.63
21	51.531334	-2.113851	88.34	2.50	90.84
22	51.531147	-2.113658	86.67	2.50	89.17
23	51.531107	-2.113400	85.49	2.50	87.99
24	51.531588	-2.112649	83.31	2.50	85.81
25	51.531134	-2.111769	79.29	2.50	81.79
26	51.531121	-2.111469	78.13	2.50	80.63
27	51.531548	-2.110568	76.74	2.50	79.24
28	51.531521	-2.110353	76.42	2.50	78.92
29	51.530026	-2.108401	82.84	2.50	85.34
30	51.531134	-2.106534	79.65	2.50	82.15
31	51.531721	-2.105912	79.10	2.50	81.60
32	51.534070	-2.105568	77.58	2.50	80.08
33	51.533910	-2.102264	87.69	2.50	90.19

34	51.532936	-2.102328	90.03	2.50	92.53
35	51.532162	-2.102092	91.22	2.50	93.72
36	51.532522	-2.099646	94.33	2.50	96.83
37	51.532315	-2.096824	93.53	2.50	96.03
38	51.531754	-2.093691	91.14	2.50	93.64
39	51.531620	-2.090730	89.57	2.50	92.07
40	51.531701	-2.089571	91.80	2.50	94.30
41	51.534690	-2.092790	87.17	2.50	89.67
42	51.535064	-2.093605	87.02	2.50	89.52
43	51.535438	-2.094378	87.92	2.50	90.42
44	51.536159	-2.095022	88.19	2.50	90.69
45	51.538588	-2.096695	91.51	2.50	94.01
46	51.539015	-2.096953	92.01	2.50	94.51
47	51.538214	-2.100987	88.51	2.50	91.01
48	51.537093	-2.101545	89.89	2.50	92.39
49	51.535598	-2.100515	92.91	2.50	95.41
50	51.535358	-2.102789	86.66	2.50	89.16
51	51.535331	-2.105278	77.93	2.50	80.43
52	51.536906	-2.104978	76.31	2.50	78.81
53	51.536346	-2.107768	74.00	2.50	76.50
54	51.535331	-2.108068	73.76	2.50	76.26
55	51.534557	-2.107725	73.15	2.50	75.65
56	51.533970	-2.109355	73.98	2.50	76.48
57	51.535838	-2.108883	74.00	2.50	76.50
58	51.536452	-2.109012	74.19	2.50	76.69
59	51.537013	-2.109613	74.79	2.50	77.29
60	51.537186	-2.109956	74.53	2.50	77.03
61	51.536546	-2.111136	74.46	2.50	76.96
62	51.535958	-2.112574	75.76	2.50	78.26
63	51.535852	-2.113196	76.27	2.50	78.77
64	51.535611	-2.114119	76.98	2.50	79.48
65	51.535652	-2.114271	77.10	2.50	79.60
66	51.535745	-2.114330	77.13	2.50	79.63
67	51.535899	-2.114293	77.06	2.50	79.56
68	51.536029	-2.114234	77.02	2.50	79.52
69	51.536663	-2.112563	75.64	2.50	78.14
70	51.536689	-2.112005	74.87	2.50	77.37
71	51.538104	-2.109516	74.17	2.50	76.67
72	51.539492	-2.107542	75.09	2.50	77.59
73	51.540186	-2.107156	75.20	2.50	77.70
74	51.541094	-2.106297	73.31	2.50	75.81
75	51.541788	-2.105053	77.40	2.50	79.90
76	51.542508	-2.106297	87.62	2.50	90.12
77	51.541814	-2.107284	78.54	2.50	81.04

2-Mile Flight Path Receptor(s)

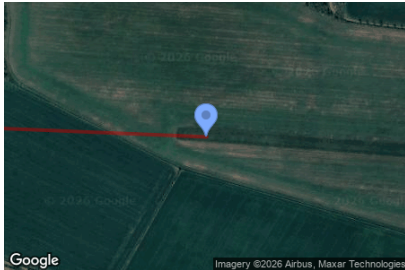
Name: Bowldown Farm RWY04
Description:
Threshold height : 15 m
Direction: 44.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	51.627235	-2.239810	173.88	15.24	189.12
2-mile point	51.606582	-2.272440	157.27	200.54	357.81



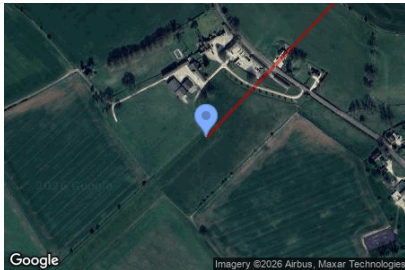
Name: Bowldown Farm RWY09
Description:
Threshold height : 15 m
Direction: 92.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	51.629100	-2.248028	184.31	15.24	199.55
2-mile point	51.630296	-2.294619	159.98	208.26	368.23



Name: Bowldown Farm RWY22
Description:
Threshold height : 15 m
Direction: 223.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	51.630579	-2.234209	166.90	15.24	182.14
2-mile point	51.651634	-2.202251	141.41	209.42	350.83



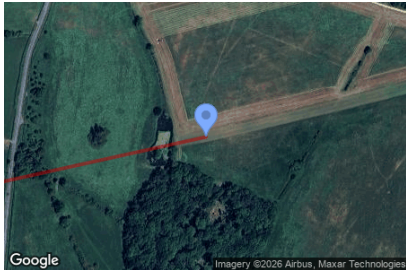
Name: Bowldown Farm RWY27
Description:
Threshold height : 15 m
Direction: 273.9 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	51.628687	-2.238629	174.19	15.24	189.43
2-mile point	51.626741	-2.192104	130.13	227.99	358.12



Name: Charlton Park RWY07
Description:
Threshold height : 15 m
Direction: 77.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	51.598733	-2.083679	88.80	15.24	104.04
2-mile point	51.592510	-2.129187	92.24	180.48	272.73



Name: Charlton Park RWY25
Description:
Threshold height : 15 m
Direction: 257.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	51.600479	-2.072536	91.13	15.24	106.37
2-mile point	51.606835	-2.027074	94.02	181.03	275.05



Name: Langley House RWY 03
Description:
Threshold height : 15 m
Direction: 30.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	51.481805	-2.102261	72.68	15.24	87.92
2-mile point	51.456766	-2.125501	66.52	190.09	256.61



Name: Langley House RWY04
Description:
Threshold height : 15 m
Direction: 40.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	51.481955	-2.103264	71.94	15.24	87.18
2-mile point	51.459807	-2.133141	61.09	194.77	255.86



Name: Langley House RWY 21
Description:
Threshold height : 15 m
Direction: 210.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	51.483355	-2.100818	69.37	15.24	84.61
2-mile point	51.508394	-2.077577	55.84	197.45	253.29



Name: Langley House RWY22
Description:
Threshold height : 15 m
Direction: 220.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	51.483375	-2.101033	69.05	15.24	84.29
2-mile point	51.505523	-2.071154	54.00	198.97	252.97



Route Receptor(s)

Name: A429
Route type: Two-way
Azimuthal view angle: 50.0 deg
Downward view angle: 90.0 deg

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.516602	-2.121287	95.49	1.50	96.99
2	51.517857	-2.120858	95.00	1.50	96.50
3	51.520661	-2.120750	91.94	1.50	93.44
4	51.521689	-2.120965	88.42	1.50	89.92
5	51.522717	-2.121437	86.83	1.50	88.33
6	51.525921	-2.123626	93.46	1.50	94.96
7	51.527216	-2.124098	92.96	1.50	94.46
8	51.529592	-2.124484	90.59	1.50	92.09
9	51.530927	-2.125085	89.95	1.50	91.45
10	51.532022	-2.125900	90.07	1.50	91.57
11	51.533357	-2.127574	90.10	1.50	91.60
12	51.535652	-2.131093	91.38	1.50	92.88
13	51.537206	-2.130905	90.12	1.50	91.62
14	51.539422	-2.129446	87.24	1.50	88.74
15	51.541851	-2.126656	85.43	1.50	86.93
16	51.544026	-2.123716	83.00	1.50	84.50
17	51.544173	-2.123395	83.00	1.50	84.50
18	51.546161	-2.121099	80.46	1.50	81.96
19	51.547522	-2.118953	80.00	1.50	81.50
20	51.548056	-2.117751	79.14	1.50	80.64
21	51.549310	-2.115970	77.00	1.50	78.50
22	51.550911	-2.114575	75.72	1.50	77.22
23	51.552072	-2.112580	75.57	1.50	77.07
24	51.553046	-2.111378	74.03	1.50	75.53



Name: Rail 1
Route type Two-way
Azimuthal view angle: 50.0 deg
Downward view angle: 90.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.539854	-2.228938	119.76	2.75	122.51
2	51.540895	-2.225076	127.95	2.75	130.70

Name: Rail 2
Route type Two-way
Azimuthal view angle: 50.0 deg
Downward view angle: 90.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.540895	-2.225076	127.95	2.75	130.70
2	51.542417	-2.219454	127.79	2.75	130.54
3	51.543377	-2.215291	114.28	2.75	117.03
4	51.543764	-2.213253	111.47	2.75	114.22
5	51.544025	-2.210978	110.44	2.75	113.19
6	51.544118	-2.209701	109.74	2.75	112.49
7	51.544225	-2.207588	109.18	2.75	111.93
8	51.544512	-2.199045	104.99	2.75	107.74
9	51.544672	-2.196320	104.55	2.75	107.30
10	51.544899	-2.193188	104.85	2.75	107.60
11	51.545152	-2.189909	104.09	2.75	106.84
12	51.545645	-2.185038	102.38	2.75	105.13
13	51.546152	-2.181090	102.02	2.75	104.77
14	51.546486	-2.178364	102.09	2.75	104.84
15	51.546673	-2.176090	101.63	2.75	104.38
16	51.546753	-2.174610	101.11	2.75	103.86
17	51.546833	-2.172722	102.76	2.75	105.51
18	51.546753	-2.171177	100.60	2.75	103.35
19	51.546726	-2.169761	103.07	2.75	105.82
20	51.546513	-2.167615	100.13	2.75	102.88
21	51.545632	-2.159762	96.38	2.75	99.13
22	51.544525	-2.149119	90.05	2.75	92.80
23	51.543430	-2.139248	89.45	2.75	92.20
24	51.542043	-2.126524	85.54	2.75	88.29
25	51.541896	-2.124485	84.67	2.75	87.42
26	51.541709	-2.121545	85.89	2.75	88.64
27	51.541736	-2.119743	86.79	2.75	89.54
28	51.541736	-2.117168	91.35	2.75	94.10
29	51.541869	-2.114422	96.38	2.75	99.13
30	51.542255	-2.110690	89.64	2.75	92.39

Name: Rail 3
Route type Two-way
Azimuthal view angle: 50.0 deg
Downward view angle: 90.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.542304	-2.110662	89.21	2.75	91.96
2	51.542571	-2.108688	87.47	2.75	90.22
3	51.542838	-2.106885	92.63	2.75	95.38
4	51.543291	-2.104954	91.74	2.75	94.49
5	51.543745	-2.102937	85.36	2.75	88.11
6	51.544092	-2.101306	81.24	2.75	83.99
7	51.544679	-2.099203	78.00	2.75	80.75
8	51.546040	-2.095126	79.54	2.75	82.29
9	51.548680	-2.088312	78.74	2.75	81.49
10	51.551989	-2.079987	71.49	2.75	74.24
11	51.553643	-2.074923	70.58	2.75	73.33
12	51.554977	-2.069258	66.78	2.75	69.53
13	51.555831	-2.063078	65.62	2.75	68.37

Name: Road 1
Route type Two-way
Azimuthal view angle: 50.0 deg
Downward view angle: 90.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.523801	-2.221436	124.29	1.50	125.79
2	51.527272	-2.217831	121.89	1.50	123.39
3	51.527619	-2.217359	121.00	1.50	122.50
4	51.531063	-2.213754	116.95	1.50	118.45
5	51.537236	-2.207556	127.56	1.50	129.06
6	51.540173	-2.204570	118.61	1.50	120.11
7	51.542508	-2.202146	114.21	1.50	115.71
8	51.555086	-2.188959	106.54	1.50	108.04
9	51.557700	-2.186556	104.61	1.50	106.11
10	51.559568	-2.184453	102.32	1.50	103.82
11	51.563063	-2.180891	99.66	1.50	101.16
12	51.564424	-2.179732	99.76	1.50	101.26
13	51.565411	-2.178488	101.91	1.50	103.41
14	51.566238	-2.177458	103.22	1.50	104.72
15	51.573840	-2.169174	94.97	1.50	96.47

Name: Road 2
Route type Two-way
Azimuthal view angle: 50.0 deg
Downward view angle: 90.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.556917	-2.162437	96.27	1.50	97.77
2	51.554823	-2.156965	93.67	1.50	95.17
3	51.554444	-2.156106	90.71	1.50	92.21
4	51.554217	-2.155714	90.11	1.50	91.61
5	51.553947	-2.155333	89.31	1.50	90.81
6	51.553610	-2.154925	89.88	1.50	91.38
7	51.553153	-2.154534	89.88	1.50	91.38
8	51.552800	-2.154249	90.40	1.50	91.90
9	51.552503	-2.153976	91.14	1.50	92.64
10	51.552230	-2.153708	90.76	1.50	92.26
11	51.551933	-2.153531	91.58	1.50	93.08
12	51.551749	-2.153429	91.29	1.50	92.79
13	51.550869	-2.153037	90.29	1.50	91.79
14	51.550068	-2.152822	91.05	1.50	92.55
15	51.549678	-2.152699	91.46	1.50	92.96
16	51.548972	-2.152305	91.18	1.50	92.68
17	51.548705	-2.152085	91.85	1.50	93.35
18	51.547774	-2.151296	91.82	1.50	93.32
19	51.547287	-2.150894	91.97	1.50	93.47
20	51.546927	-2.150701	91.44	1.50	92.94
21	51.546567	-2.150561	90.74	1.50	92.24
22	51.546350	-2.150470	89.57	1.50	91.07
23	51.546183	-2.150331	89.16	1.50	90.66
24	51.545800	-2.149832	87.68	1.50	89.18
25	51.545599	-2.149494	84.52	1.50	86.02
26	51.545429	-2.149295	85.02	1.50	86.52
27	51.545179	-2.149043	84.18	1.50	85.68
28	51.544949	-2.148877	84.67	1.50	86.17
29	51.544522	-2.148705	89.27	1.50	90.77

Name: Route 6
Route type Two-way
Azimuthal view angle: 50.0 deg
Downward view angle: 90.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.544193	-2.148672	90.41	1.50	91.91
2	51.543726	-2.148694	88.82	1.50	90.32
3	51.542805	-2.149123	91.29	1.50	92.79
4	51.541484	-2.147127	94.75	1.50	96.25
5	51.540416	-2.144252	92.12	1.50	93.62
6	51.540309	-2.144038	92.80	1.50	94.30
7	51.539375	-2.143287	94.00	1.50	95.50
8	51.539148	-2.142965	93.81	1.50	95.31
9	51.537159	-2.139339	95.71	1.50	97.21
10	51.535825	-2.138180	94.57	1.50	96.07
11	51.534824	-2.136807	95.10	1.50	96.60

Name: Route 7
Route type: Two-way
Azimuthal view angle: 50.0 deg
Downward view angle: 90.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.540429	-2.148716	99.59	1.50	101.09
2	51.540976	-2.147686	97.48	1.50	98.98
3	51.541457	-2.147171	94.92	1.50	96.42
4	51.541977	-2.146441	92.61	1.50	94.11
5	51.543232	-2.144038	87.60	1.50	89.10
6	51.543746	-2.143373	90.80	1.50	92.30
7	51.543946	-2.143115	89.88	1.50	91.38
8	51.544446	-2.142268	85.93	1.50	87.43
9	51.544706	-2.141656	84.86	1.50	86.36

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	m	m	m
OP 1	51.557273	-2.115370	80.67	1.80	82.47
OP 2	51.556783	-2.114511	78.01	1.80	79.81
OP 3	51.556432	-2.113583	77.94	1.80	79.74
OP 4	51.556319	-2.112824	77.34	1.80	79.14
OP 5	51.556256	-2.112484	76.77	1.80	78.57
OP 6	51.556199	-2.112167	76.23	1.80	78.03
OP 7	51.556079	-2.111703	75.41	1.80	77.21
OP 8	51.555450	-2.111212	75.93	1.80	77.73
OP 9	51.555380	-2.110539	75.70	1.80	77.50
OP 10	51.555032	-2.110389	75.48	1.80	77.28
OP 11	51.554296	-2.109949	75.10	1.80	76.90
OP 12	51.553347	-2.111505	74.13	1.80	75.93
OP 13	51.553938	-2.111543	76.02	1.80	77.82
OP 14	51.554509	-2.156239	90.96	1.80	92.76
OP 15	51.549577	-2.152337	91.46	1.80	93.26
OP 16	51.551598	-2.153334	91.24	1.80	93.04
OP 17	51.548630	-2.133330	84.45	1.80	86.25
OP 18	51.543760	-2.182600	112.86	1.80	114.66
OP 19	51.555800	-2.126600	77.86	1.80	79.66
OP 20	51.556160	-2.126600	79.57	1.80	81.37
OP 21	51.568955	-2.174926	98.00	1.80	99.80
OP 22	51.566826	-2.173019	98.80	1.80	100.60
OP 23	51.566799	-2.173019	98.80	1.80	100.60
OP 24	51.543675	-2.102909	84.79	1.80	86.59
OP 25	51.542543	-2.109109	87.24	1.80	89.04
OP 26	51.545938	-2.161616	98.97	1.80	100.77
OP 27	51.544187	-2.208355	108.66	1.80	110.46
OP 28	51.547400	-2.197039	113.46	1.80	115.26
OP 29	51.544968	-2.199423	110.64	1.80	112.44
OP 30	51.539147	-2.205580	124.29	1.80	126.09
OP 31	51.539150	-2.205580	124.29	2.50	126.79
OP 32	51.547400	-2.197040	113.46	2.50	115.96
OP 33	51.544970	-2.199420	110.64	2.50	113.14

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
A1	SA tracking	SA tracking	828	0	-	-
A2	SA tracking	SA tracking	1,433	0	-	-
B	SA tracking	SA tracking	5,630	889	-	-
C	SA tracking	SA tracking	21,825	68,987	-	-
C2	SA tracking	SA tracking	134,033	32,855	-	-
C3	SA tracking	SA tracking	18,657	10,075	-	-
D1-2	SA tracking	SA tracking	337,972	177,497	-	-
D3	SA tracking	SA tracking	154,258	79,151	-	-
E1	SA tracking	SA tracking	6,924	2,713	-	-
E2	SA tracking	SA tracking	28,747	23,148	-	-

Distinct glare per month

Excludes overlapping glare from PV array for multiple receptors at matching time(s)

PV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
a1 (green)	21	391	0	0	0	0	0	0	0	263	153	0
a1 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
a2 (green)	33	513	0	0	0	0	0	0	0	394	136	357
a2 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
b (green)	1220	611	7	103	206	86	152	164	30	399	1118	1023
b (yellow)	0	0	12	351	78	3	20	273	152	0	0	0
c (green)	3	14	16	681	1262	1370	1318	1069	90	9	9	11
c (yellow)	1958	2432	3613	4051	3499	3533	3524	3946	3802	3002	2075	1692
c2 (green)	8877	8627	10428	11038	11999	12320	12374	11489	10547	9867	8664	8802
c2 (yellow)	2017	2174	2845	2386	3358	3360	3420	2924	2489	2552	2134	1743
c3 (green)	1009	477	280	251	297	327	313	268	254	338	1007	696
c3 (yellow)	996	816	715	717	852	886	884	777	669	832	963	953
d1-2 (green)	5749	9607	15846	19346	21902	21341	21966	21069	16879	12625	6827	3494
d1-2 (yellow)	9194	6437	5485	4961	5405	5660	5622	5163	5101	6310	8335	10505
d3 (green)	6687	10057	10955	8112	8197	8034	8251	8208	8984	12421	7544	4680
d3 (yellow)	8261	5995	5245	4774	5283	5460	5450	5023	4865	5998	7616	9319
e1 (green)	856	38	163	413	189	118	129	325	327	2	631	855
e1 (yellow)	0	0	0	83	665	876	816	273	0	0	0	0
e2 (green)	676	1039	468	434	53	502	196	204	502	944	775	668
e2 (yellow)	2759	2085	1131	146	0	0	0	0	783	1910	2523	3101

PV & Receptor Analysis Results

Results for each PV array and receptor

A1 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
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FP: Bowldown Farm RWY04	0	0
FP: Bowldown Farm RWY09	0	0
FP: Bowldown Farm RWY22	0	0
FP: Bowldown Farm RWY27	0	0
FP: Charlton Park RWY07	0	0
FP: Charlton Park RWY25	828	0
FP: Langley House RWY 03	0	0
FP: Langley House RWY04	0	0
FP: Langley House RWY 21	0	0
FP: Langley House RWY22	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
Route: A429	0	0
Route: Rail 1	0	0
Route: Rail 2	0	0
Route: Rail 3	0	0
Route: Road 1	0	0
Route: Road 2	0	0
Route: Route 6	0	0
Route: Route 7	0	0

A1: Bowldown Farm RWY04

No glare found

A1: Bowldown Farm RWY09

No glare found

A1: Bowldown Farm RWY22

No glare found

A1: Bowldown Farm RWY27

No glare found

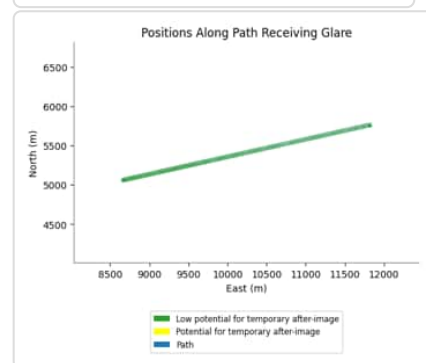
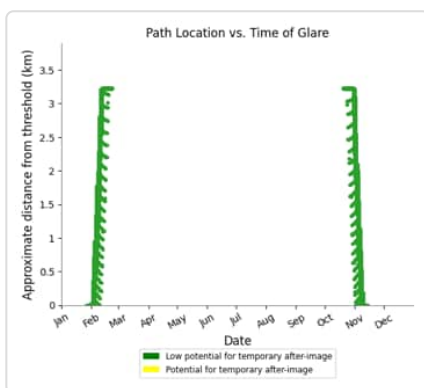
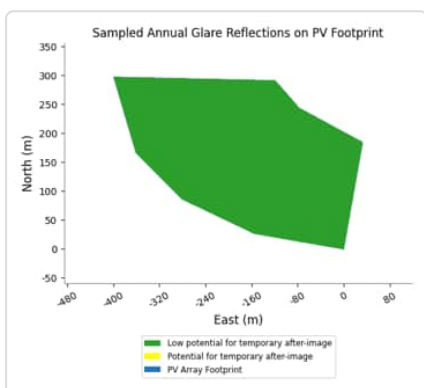
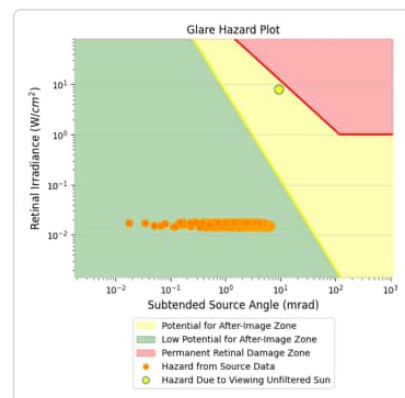
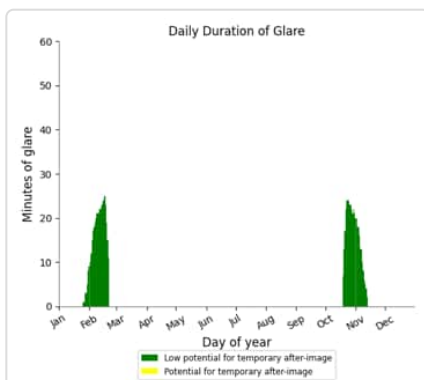
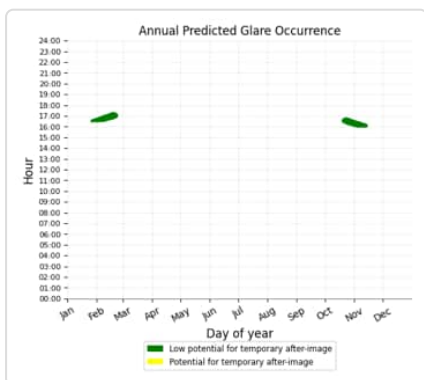
A1: Charlton Park RWY07

No glare found

A1: Charlton Park RWY25

PV array is expected to produce the following glare for this receptor:

- 828 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



A1: Langley House RWY 03

No glare found

A1: Langley House RWY04

No glare found

A1: Langley House RWY 21

No glare found

A1: Langley House RWY22

No glare found

A1: OP 1

No glare found

A1: OP 2

No glare found

A1: OP 3

No glare found

A1: OP 4

No glare found

A1: OP 5

No glare found

A1: OP 6

No glare found

A1: OP 7

No glare found

A1: OP 8

No glare found

A1: OP 9

No glare found

A1: OP 10

No glare found

A1: OP 11

No glare found

A1: OP 12

No glare found

A1: OP 13

No glare found

A1: OP 14

No glare found

A1: OP 15

No glare found

A1: OP 16

No glare found

A1: OP 17

No glare found

A1: OP 18

No glare found

A1: OP 19

No glare found

A1: OP 20

No glare found

A1: OP 21

No glare found

A1: OP 22

No glare found

A1: OP 23

No glare found

A1: OP 24

No glare found

A1: OP 25

No glare found

A1: OP 26

No glare found

A1: OP 27

No glare found

A1: OP 28

No glare found

A1: OP 29

No glare found

A1: OP 30*No glare found***A1: OP 31***No glare found***A1: OP 32***No glare found***A1: OP 33***No glare found***A1: A429***No glare found***A1: Rail 1***No glare found***A1: Rail 2***No glare found***A1: Rail 3***No glare found***A1: Road 1***No glare found***A1: Road 2***No glare found***A1: Route 6***No glare found***A1: Route 7***No glare found***A2** low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Bowldown Farm RWY04	0	0
FP: Bowldown Farm RWY09	379	0
FP: Bowldown Farm RWY22	0	0
FP: Bowldown Farm RWY27	0	0
FP: Charlton Park RWY07	0	0
FP: Charlton Park RWY25	1054	0
FP: Langley House RWY 03	0	0
FP: Langley House RWY04	0	0

FP: Langley House RWY 21	0	0
FP: Langley House RWY22	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
Route: A429	0	0
Route: Rail 1	0	0
Route: Rail 2	0	0
Route: Rail 3	0	0
Route: Road 1	0	0
Route: Road 2	0	0
Route: Route 6	0	0
Route: Route 7	0	0

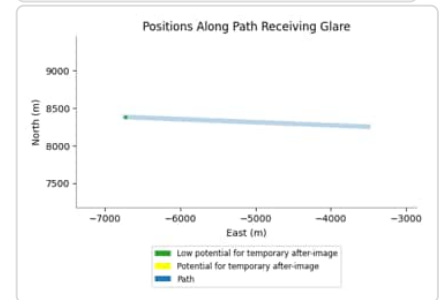
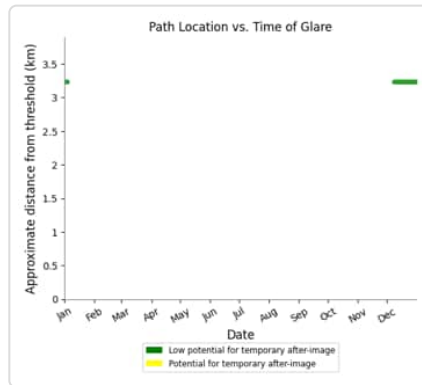
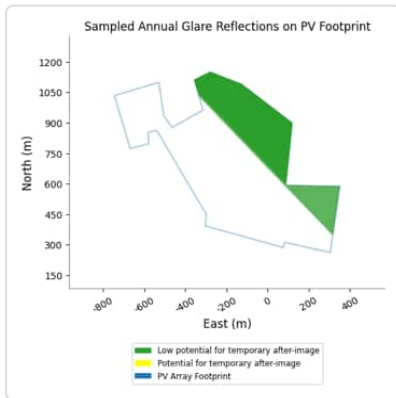
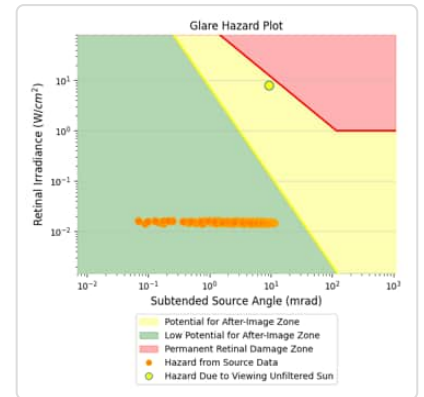
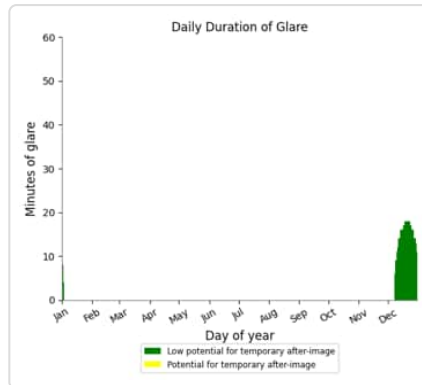
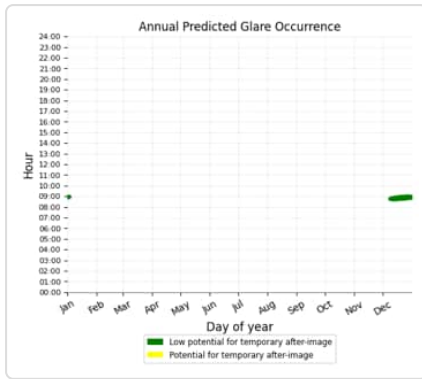
A2: Bowldown Farm RWY04

No glare found

A2: Bowldown Farm RWY09

PV array is expected to produce the following glare for this receptor:

- 379 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



A2: Bowldown Farm RWY22

No glare found

A2: Bowldown Farm RWY27

No glare found

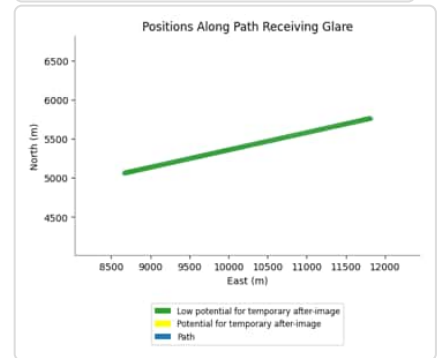
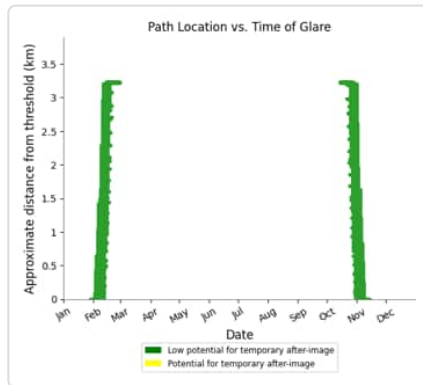
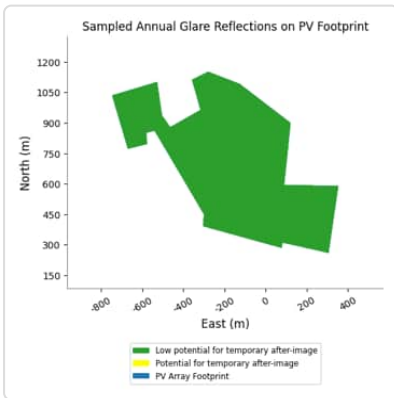
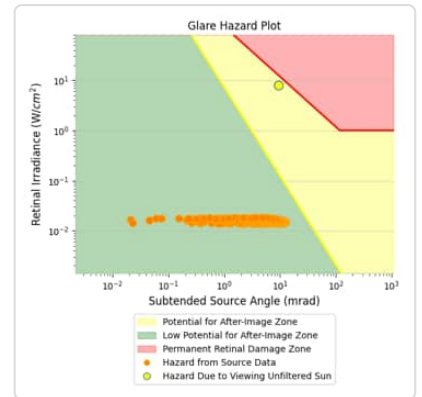
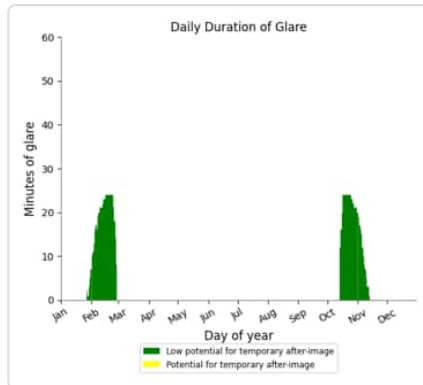
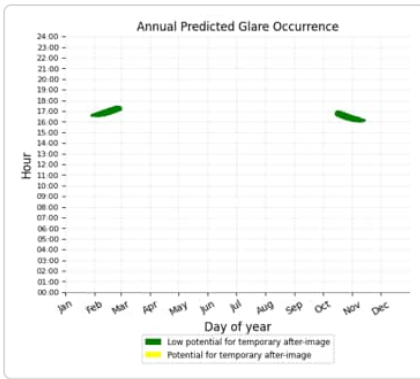
A2: Charlton Park RWY07

No glare found

A2: Charlton Park RWY25

PV array is expected to produce the following glare for this receptor:

- 1,054 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



A2: Langley House RWY 03

No glare found

A2: Langley House RWY04

No glare found

A2: Langley House RWY 21

No glare found

A2: Langley House RWY22

No glare found

A2: OP 1

No glare found

A2: OP 2

No glare found

A2: OP 3

No glare found

A2: OP 4

No glare found

A2: OP 5

No glare found

A2: OP 6

No glare found

A2: OP 7

No glare found

A2: OP 8

No glare found

A2: OP 9

No glare found

A2: OP 10

No glare found

A2: OP 11

No glare found

A2: OP 12

No glare found

A2: OP 13

No glare found

A2: OP 14

No glare found

A2: OP 15

No glare found

A2: OP 16

No glare found

A2: OP 17

No glare found

A2: OP 18

No glare found

A2: OP 19

No glare found

A2: OP 20

No glare found

A2: OP 21

No glare found

A2: OP 22

No glare found

A2: OP 23

No glare found

A2: OP 24

No glare found

A2: OP 25

No glare found

A2: OP 26

No glare found

A2: OP 27

No glare found

A2: OP 28

No glare found

A2: OP 29

No glare found

A2: OP 30

No glare found

A2: OP 31

No glare found

A2: OP 32

No glare found

A2: OP 33

No glare found

A2: A429

No glare found

A2: Rail 1*No glare found***A2: Rail 2***No glare found***A2: Rail 3***No glare found***A2: Road 1***No glare found***A2: Road 2***No glare found***A2: Route 6***No glare found***A2: Route 7***No glare found***B** potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Bowldown Farm RWY04	0	0
FP: Bowldown Farm RWY09	2629	0
FP: Bowldown Farm RWY22	0	0
FP: Bowldown Farm RWY27	0	0
FP: Charlton Park RWY07	0	0
FP: Charlton Park RWY25	1742	0
FP: Langley House RWY 03	0	0
FP: Langley House RWY04	0	0
FP: Langley House RWY 21	0	0
FP: Langley House RWY22	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0

OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	57	0
OP: OP 22	99	0
OP: OP 23	99	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	21	0
OP: OP 28	32	0
OP: OP 29	22	0
OP: OP 30	20	0
OP: OP 31	20	0
OP: OP 32	33	0
OP: OP 33	22	0
Route: A429	0	0
Route: Rail 1	43	0
Route: Rail 2	70	0
Route: Rail 3	0	0
Route: Road 1	721	889
Route: Road 2	0	0
Route: Route 6	0	0
Route: Route 7	0	0

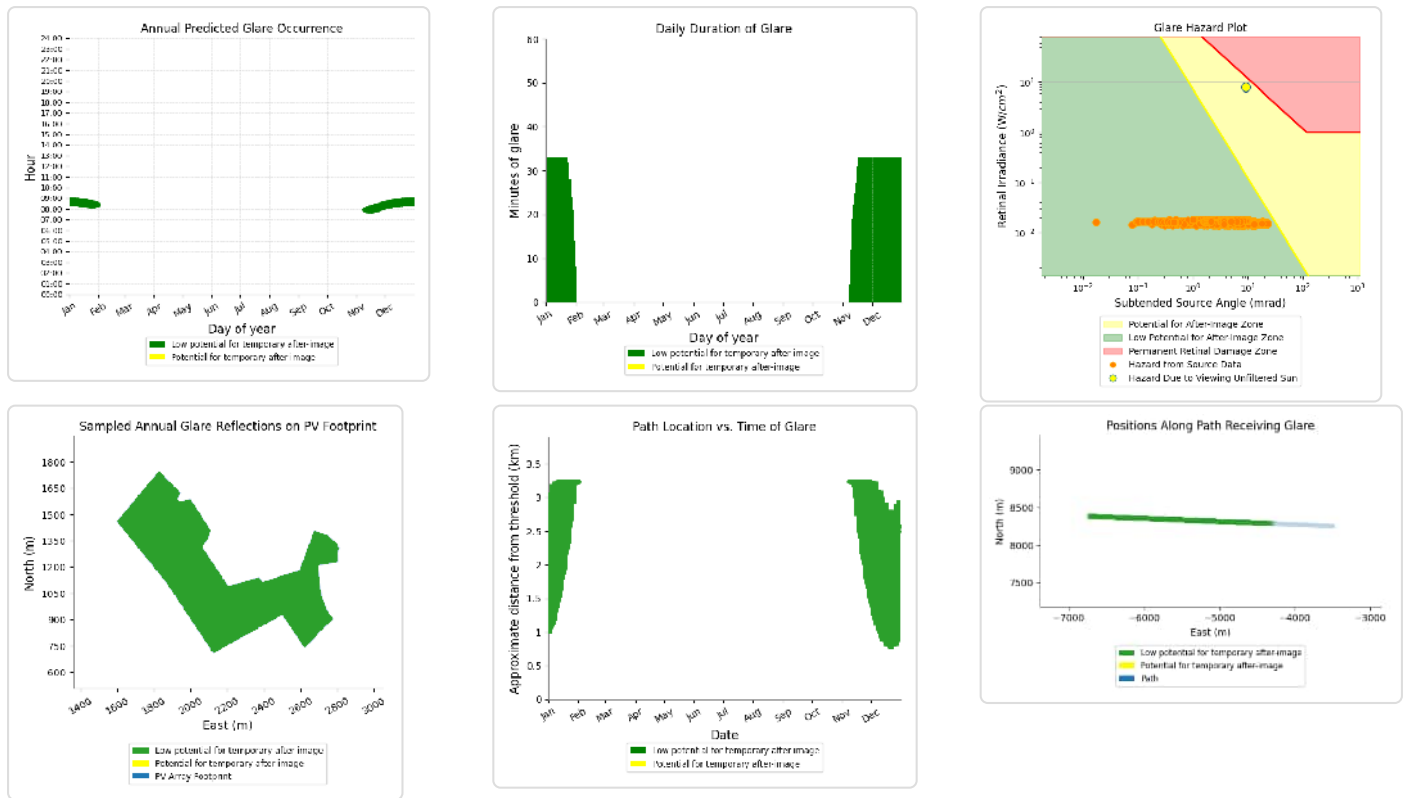
B: Bowldown Farm RWY04

No glare found

B: Bowldown Farm RWY09

PV array is expected to produce the following glare for this receptor:

- 2,629 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



B: Bowldown Farm RWY22

No glare found

B: Bowldown Farm RWY27

No glare found

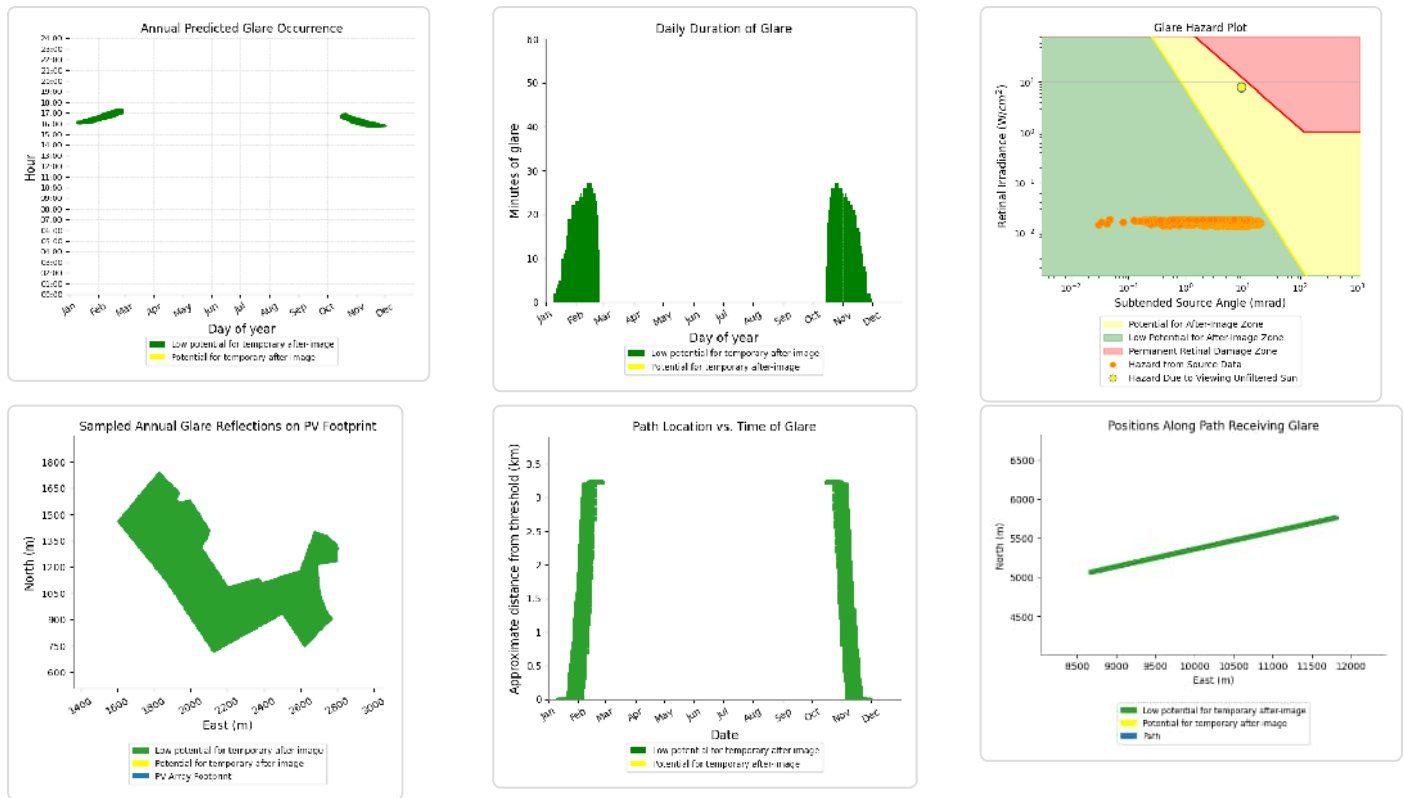
B: Charlton Park RWY07

No glare found

B: Charlton Park RWY25

PV array is expected to produce the following glare for this receptor:

- 1,742 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



B: Langley House RWY 03

No glare found

B: Langley House RWY04

No glare found

B: Langley House RWY 21

No glare found

B: Langley House RWY22

No glare found

B: OP 1

No glare found

B: OP 2

No glare found

B: OP 3

No glare found

B: OP 4

No glare found

B: OP 5

No glare found

B: OP 6

No glare found

B: OP 7

No glare found

B: OP 8

No glare found

B: OP 9

No glare found

B: OP 10

No glare found

B: OP 11

No glare found

B: OP 12

No glare found

B: OP 13

No glare found

B: OP 14

No glare found

B: OP 15

No glare found

B: OP 16

No glare found

B: OP 17

No glare found

B: OP 18

No glare found

B: OP 19

No glare found

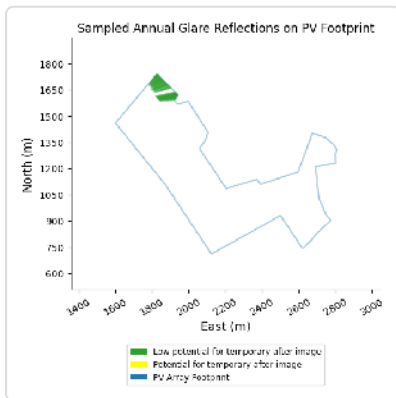
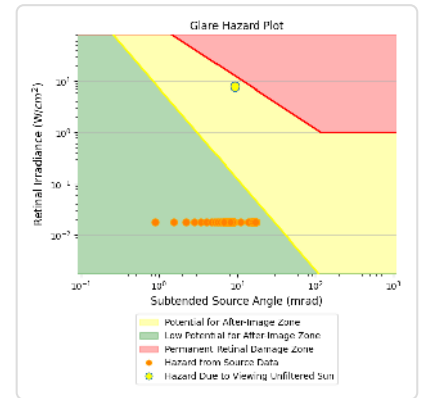
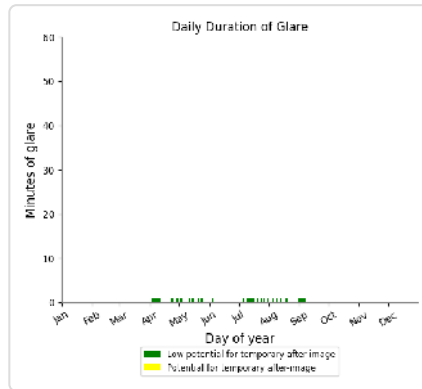
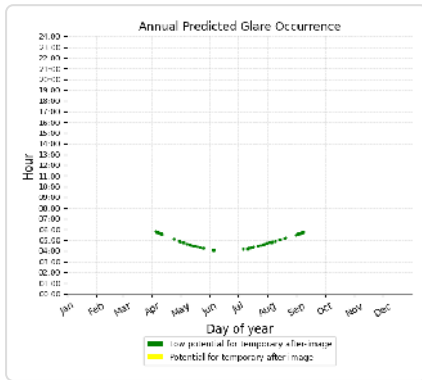
B: OP 20

No glare found

B: OP 21

PV array is expected to produce the following glare for this receptor:

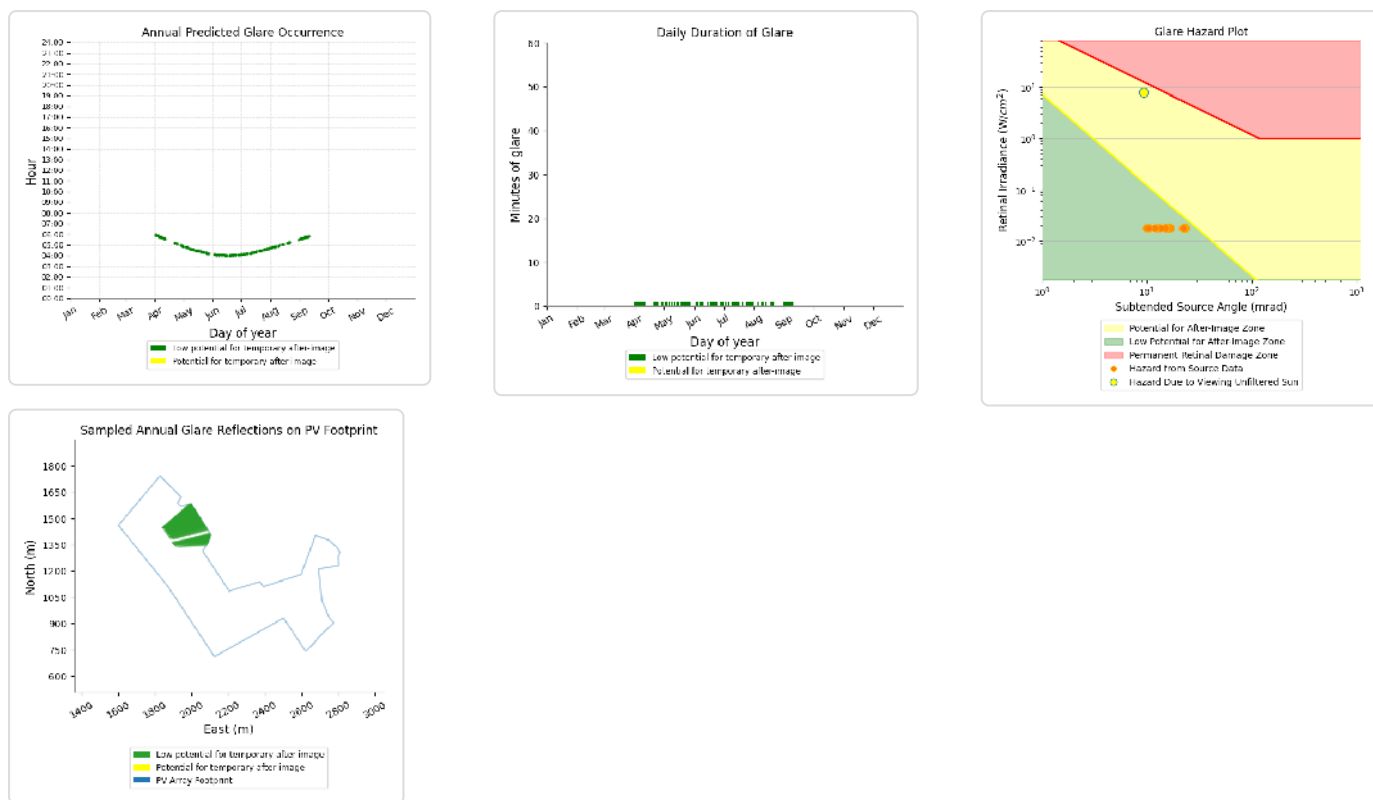
- 57 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



B: OP 22

PV array is expected to produce the following glare for this receptor:

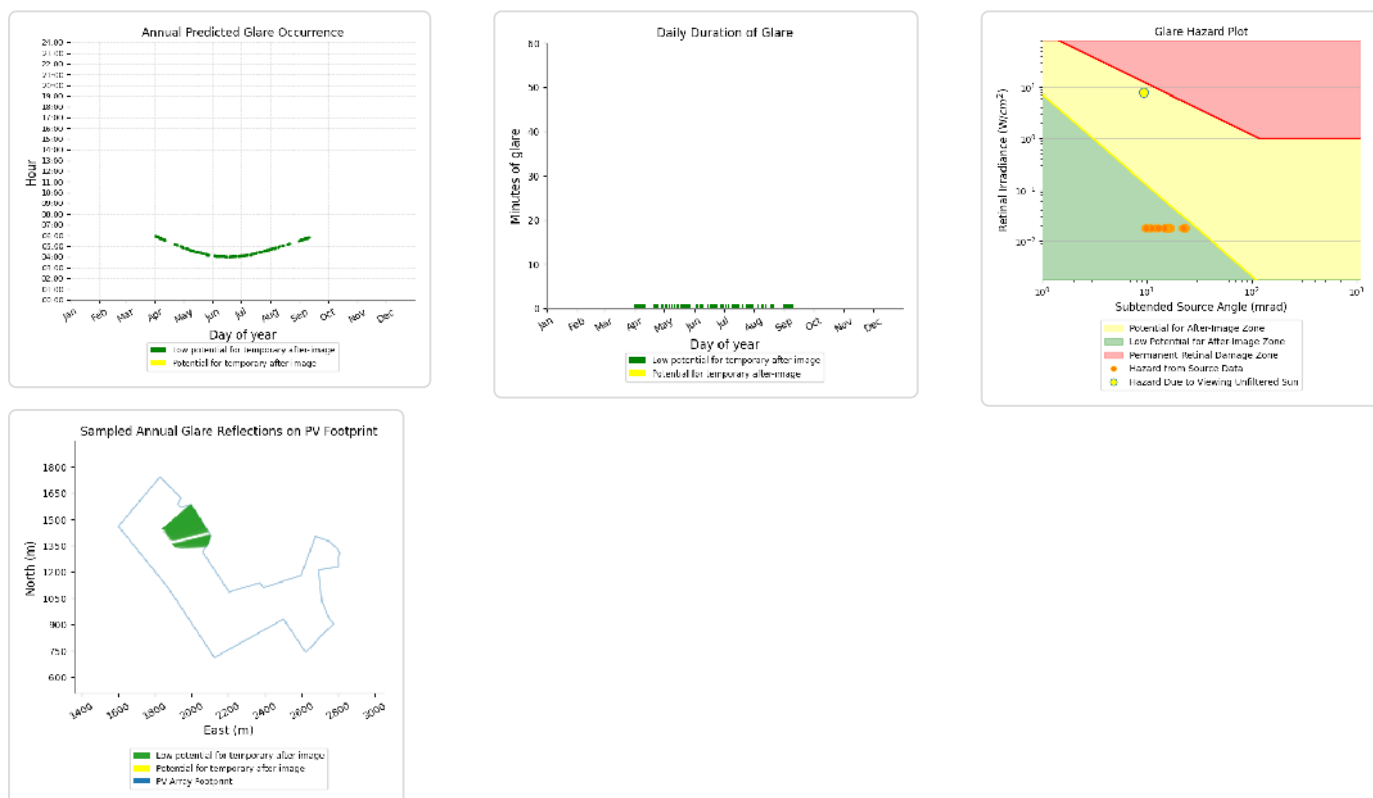
- 99 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



B: OP 23

PV array is expected to produce the following glare for this receptor:

- 99 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



B: OP 24

No glare found

B: OP 25

No glare found

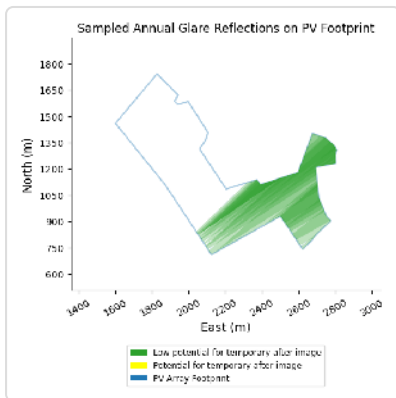
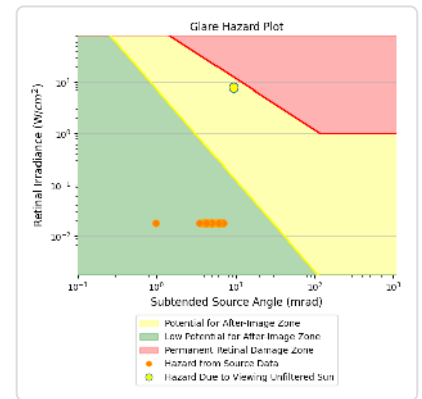
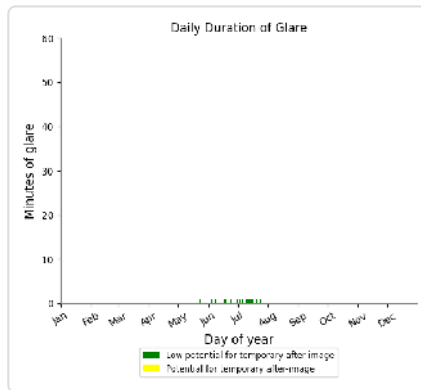
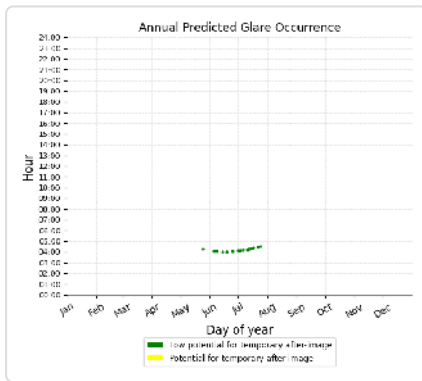
B: OP 26

No glare found

B: OP 27

PV array is expected to produce the following glare for this receptor:

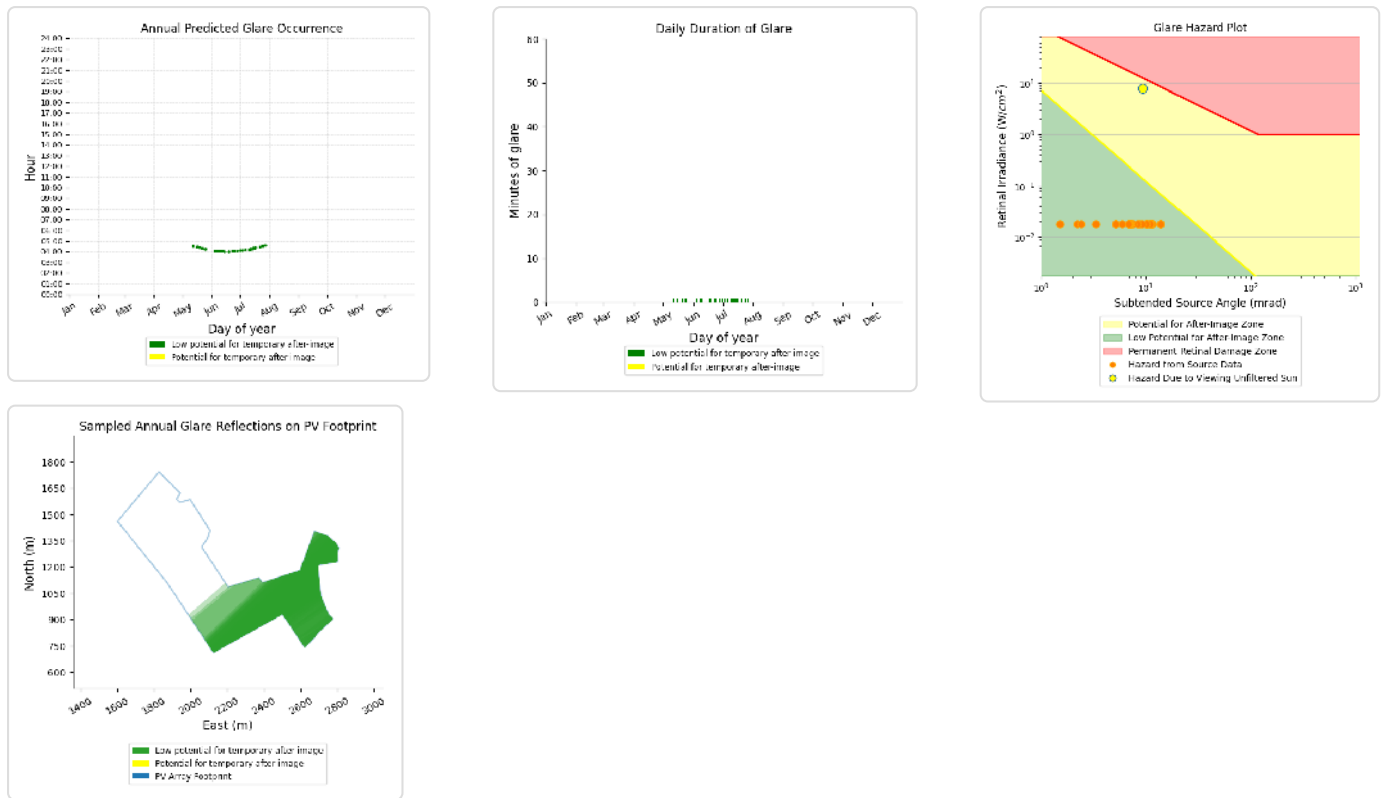
- 21 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



B: OP 28

PV array is expected to produce the following glare for this receptor:

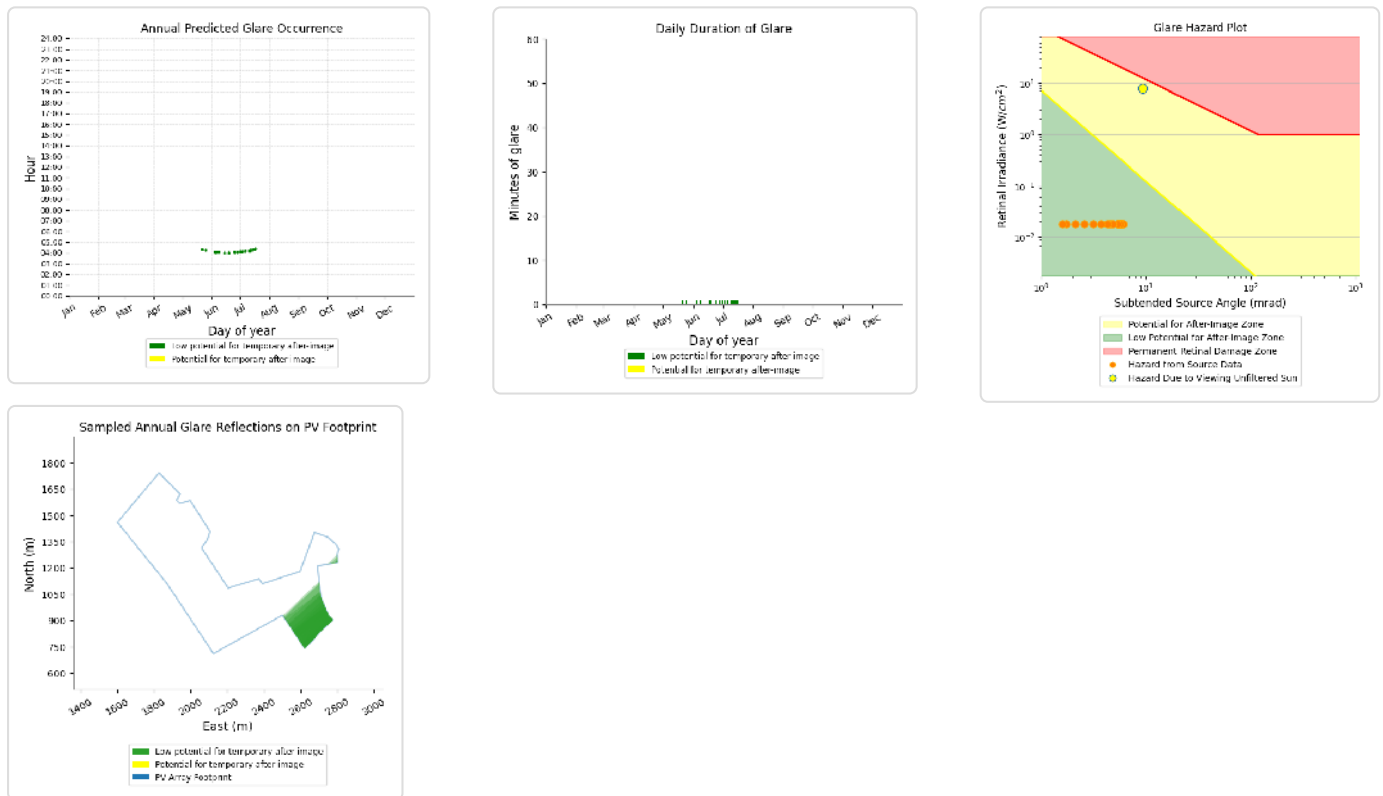
- 32 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



B: OP 29

PV array is expected to produce the following glare for this receptor:

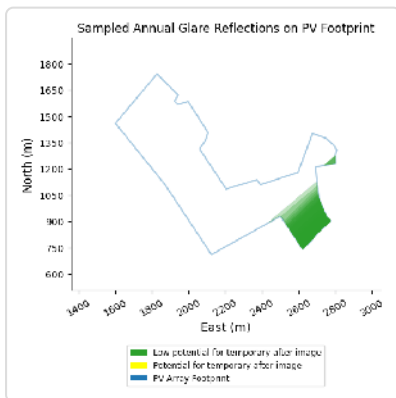
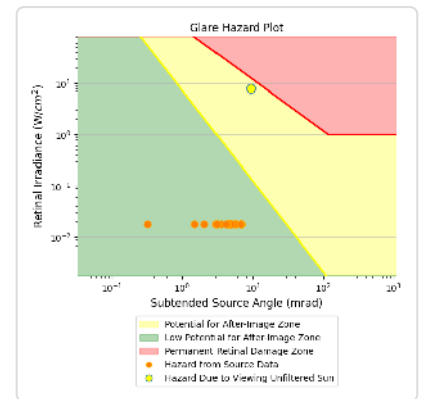
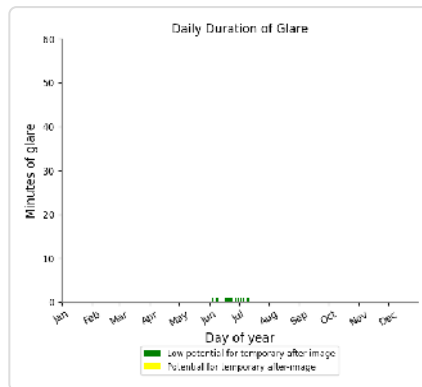
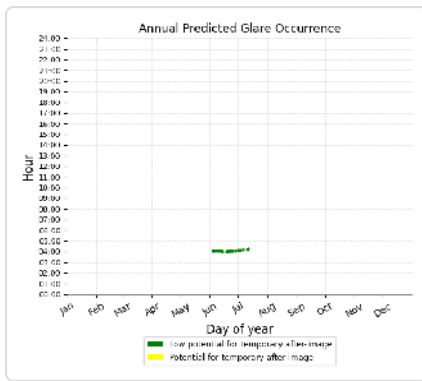
- 22 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



B: OP 30

PV array is expected to produce the following glare for this receptor:

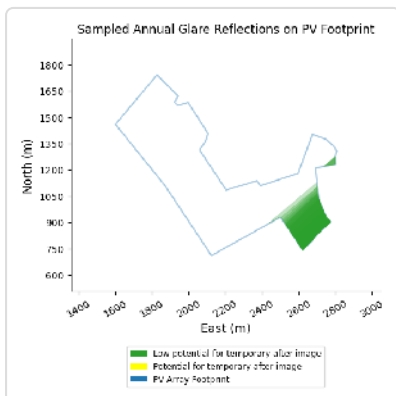
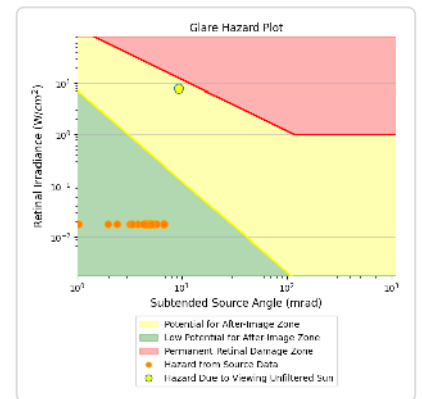
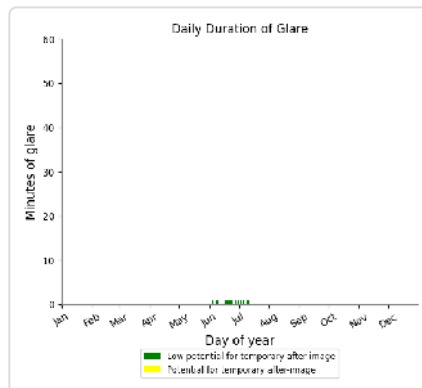
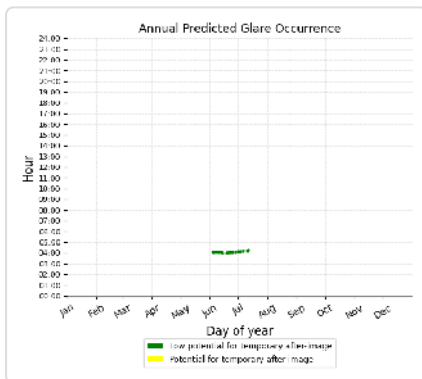
- 20 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



B: OP 31

PV array is expected to produce the following glare for this receptor:

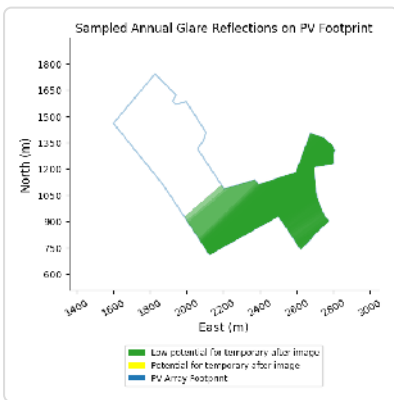
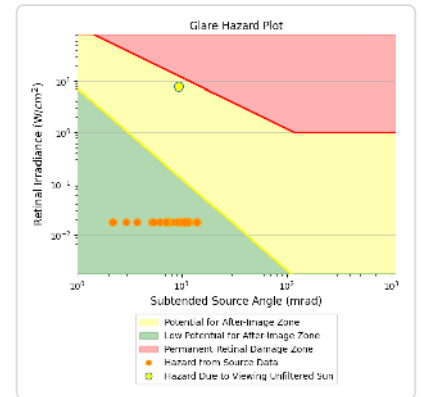
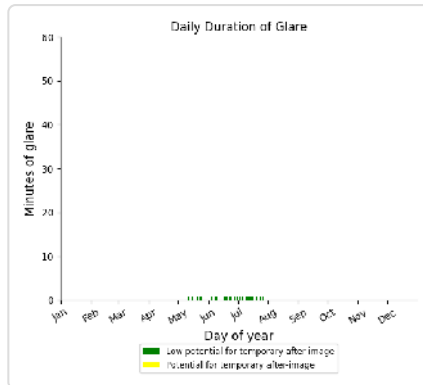
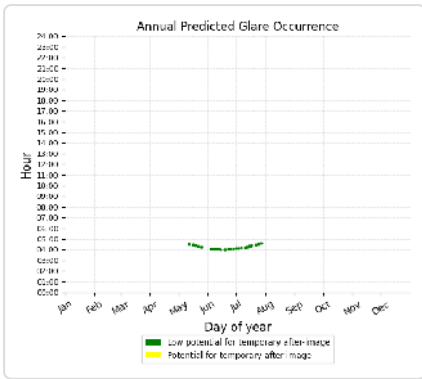
- 20 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



B: OP 32

PV array is expected to produce the following glare for this receptor:

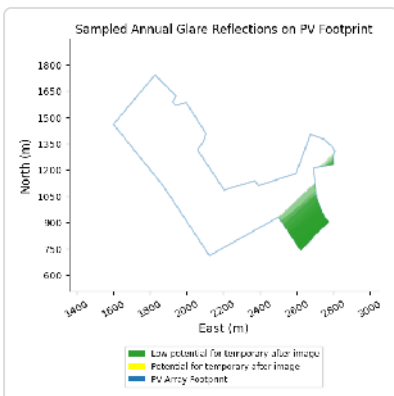
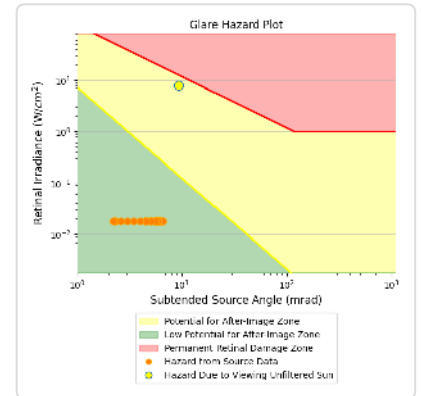
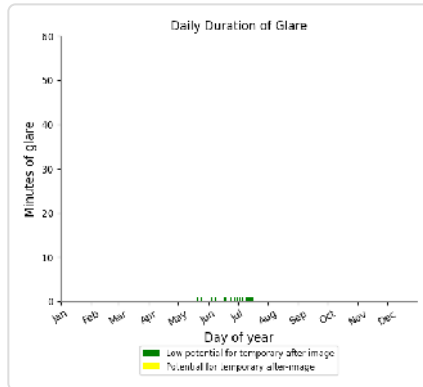
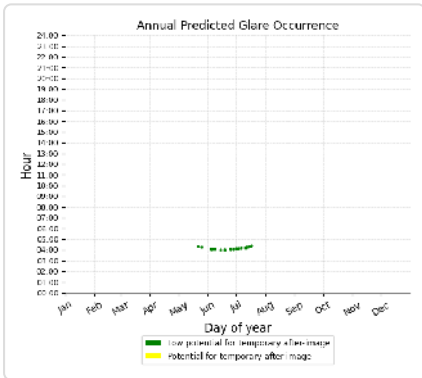
- 33 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



B: OP 33

PV array is expected to produce the following glare for this receptor:

- 22 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



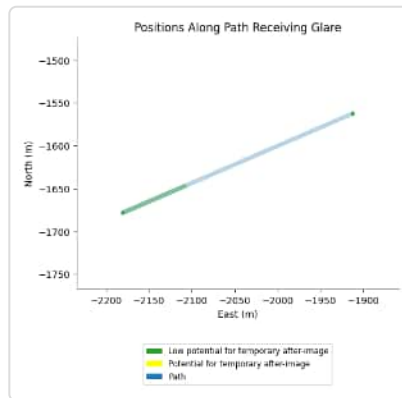
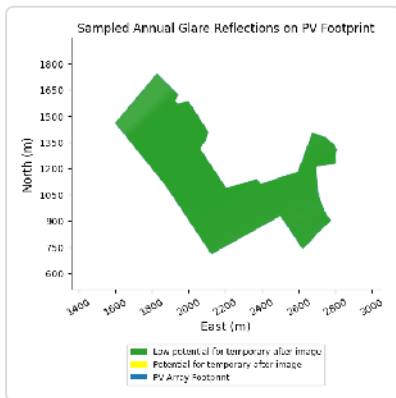
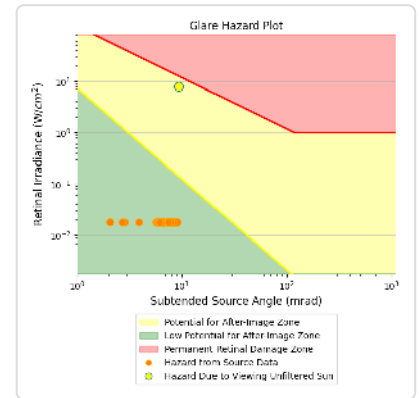
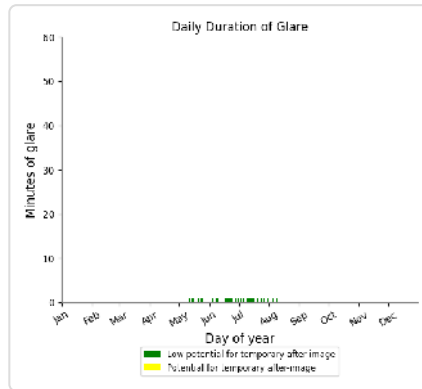
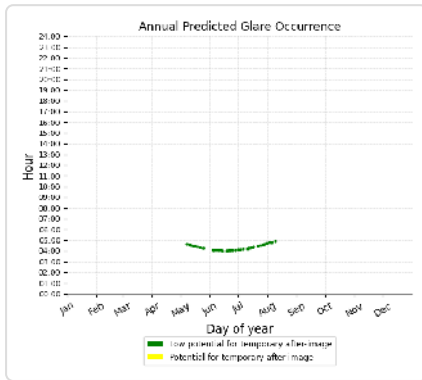
B: A429

No glare found

B: Rail 1

PV array is expected to produce the following glare for this receptor:

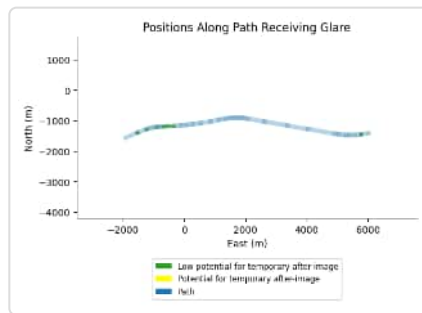
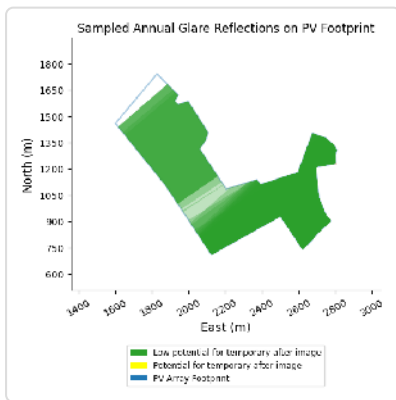
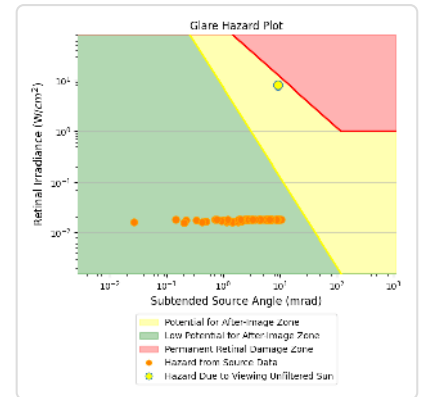
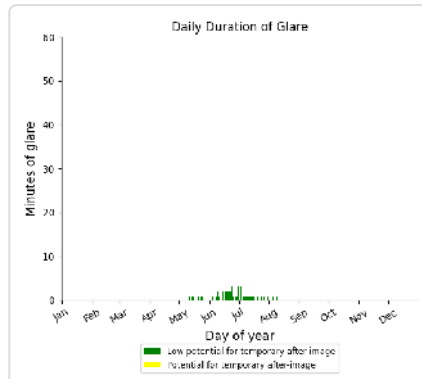
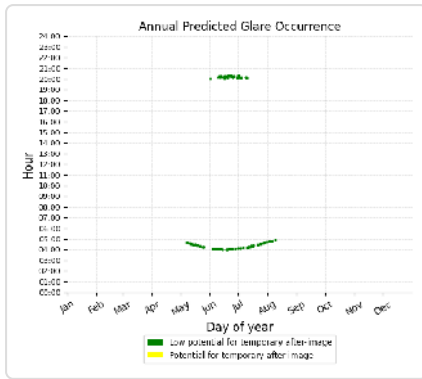
- 43 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



B: Rail 2

PV array is expected to produce the following glare for this receptor:

- 70 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



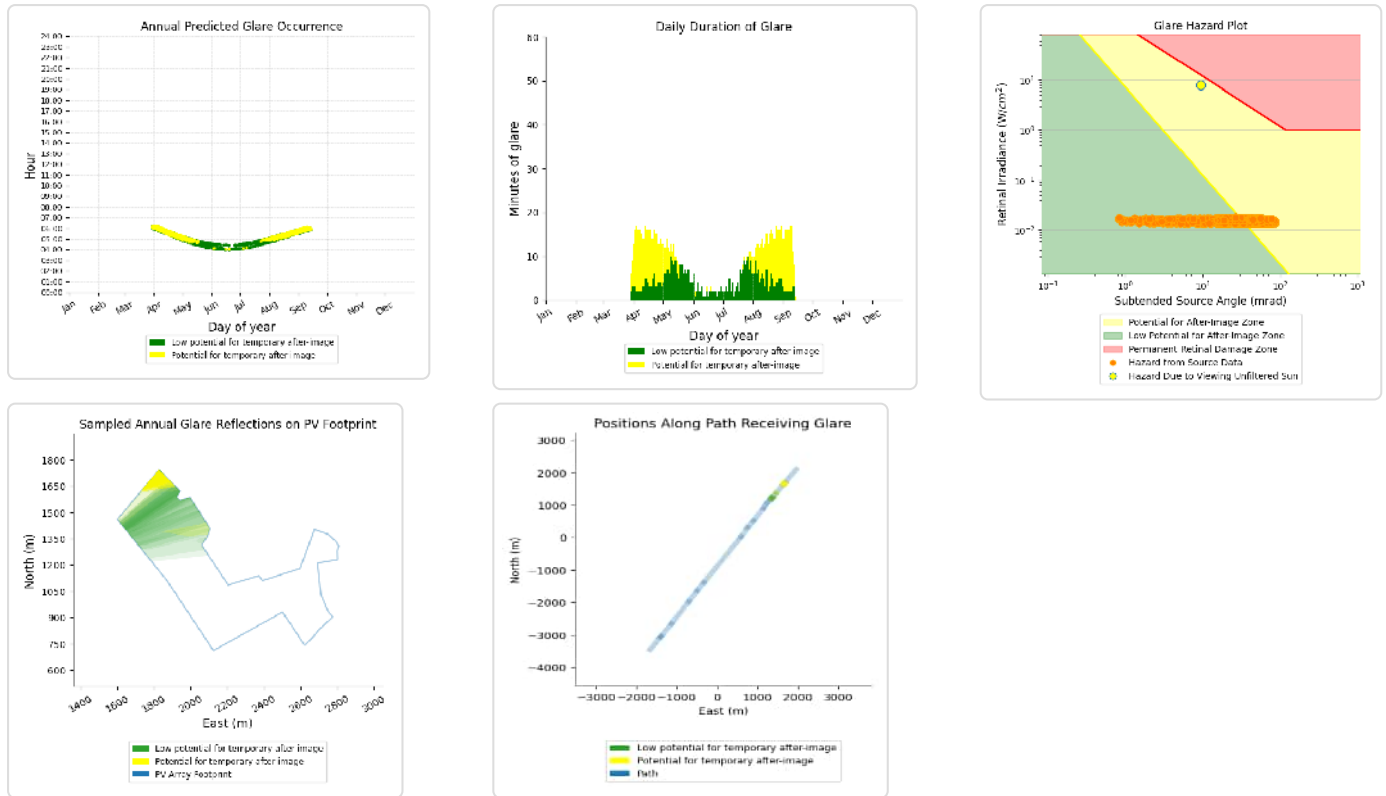
B: Rail 3

No glare found

B: Road 1

PV array is expected to produce the following glare for this receptor:

- 721 minutes of "green" glare with low potential to cause temporary after-image.
- 889 minutes of "yellow" glare with potential to cause temporary after-image.



B: Road 2

No glare found

B: Route 6

No glare found

B: Route 7

No glare found

C potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Bowldown Farm RWY04	0	0
FP: Bowldown Farm RWY09	0	0
FP: Bowldown Farm RWY22	0	0
FP: Bowldown Farm RWY27	0	0
FP: Charlton Park RWY07	0	0
FP: Charlton Park RWY25	1181	0
FP: Langley House RWY 03	0	0
FP: Langley House RWY04	0	0
FP: Langley House RWY 21	0	0
FP: Langley House RWY22	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0

OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	1997	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	6832	21941
OP: OP 29	0	0
OP: OP 30	479	0
OP: OP 31	898	0
OP: OP 32	8529	23489
OP: OP 33	0	0
Route: A429	0	0
Route: Rail 1	1091	457
Route: Rail 2	393	3413
Route: Rail 3	0	0
Route: Road 1	425	19687
Route: Road 2	0	0
Route: Route 6	0	0
Route: Route 7	0	0

C: Bowldown Farm RWY04*No glare found***C: Bowldown Farm RWY09***No glare found***C: Bowldown Farm RWY22***No glare found***C: Bowldown Farm RWY27***No glare found*

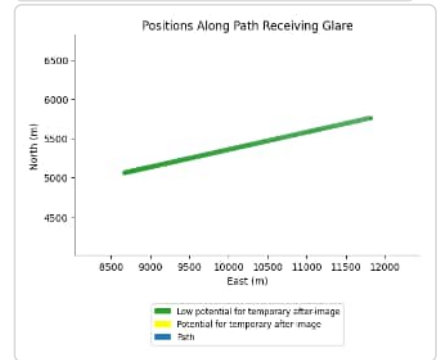
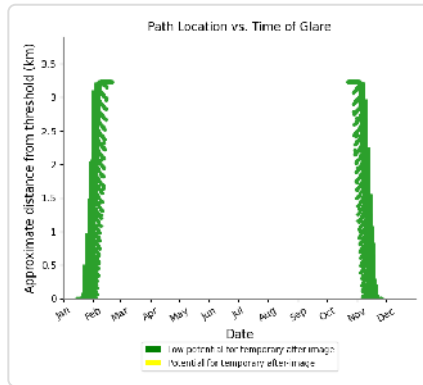
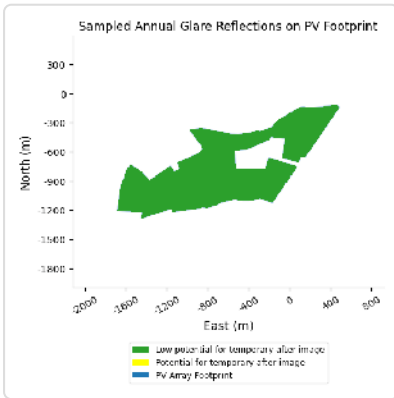
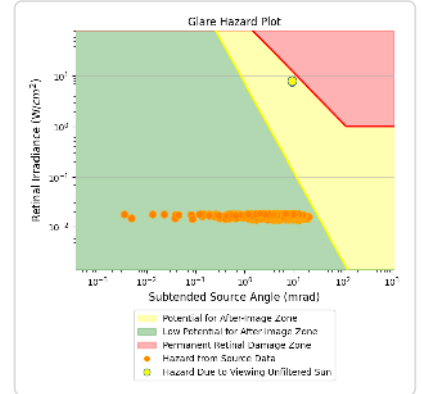
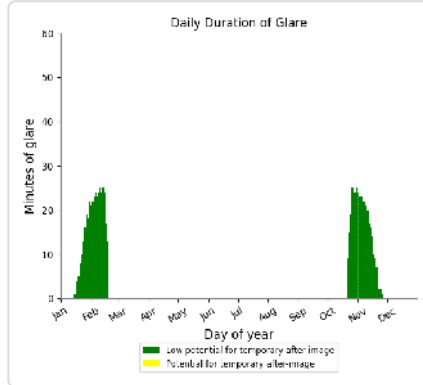
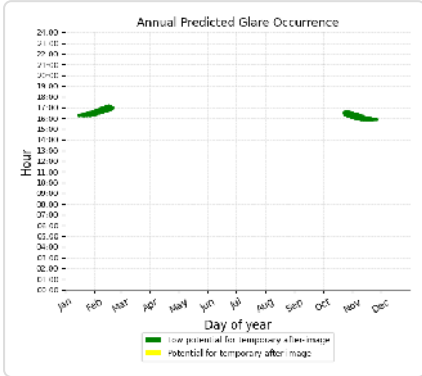
C: Charlton Park RWY07

No glare found

C: Charlton Park RWY25

PV array is expected to produce the following glare for this receptor:

- 1,181 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C: Langley House RWY 03

No glare found

C: Langley House RWY04

No glare found

C: Langley House RWY 21

No glare found

C: Langley House RWY22

No glare found

C: OP 1

No glare found

C: OP 2

No glare found

C: OP 3

No glare found

C: OP 4

No glare found

C: OP 5

No glare found

C: OP 6

No glare found

C: OP 7

No glare found

C: OP 8

No glare found

C: OP 9

No glare found

C: OP 10

No glare found

C: OP 11

No glare found

C: OP 12

No glare found

C: OP 13

No glare found

C: OP 14

No glare found

C: OP 15

No glare found

C: OP 16

No glare found

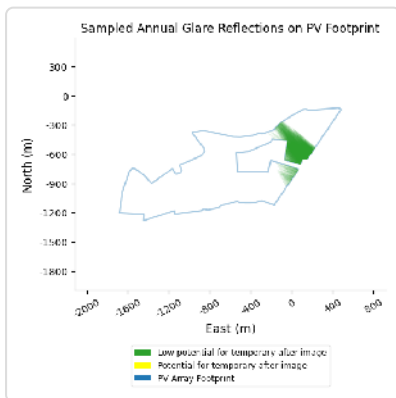
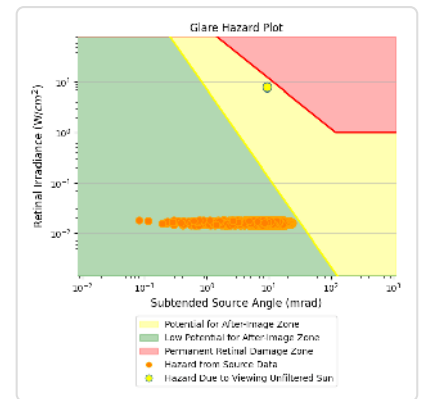
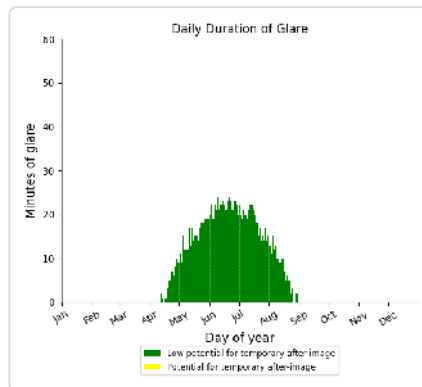
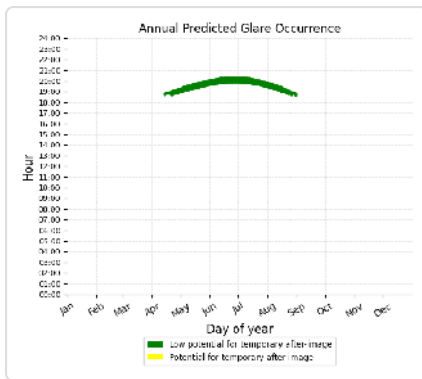
C: OP 17

No glare found

C: OP 18

PV array is expected to produce the following glare for this receptor:

- 1,997 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C: OP 19

No glare found

C: OP 20

No glare found

C: OP 21

No glare found

C: OP 22

No glare found

C: OP 23

No glare found

C: OP 24

No glare found

C: OP 25

No glare found

C: OP 26

No glare found

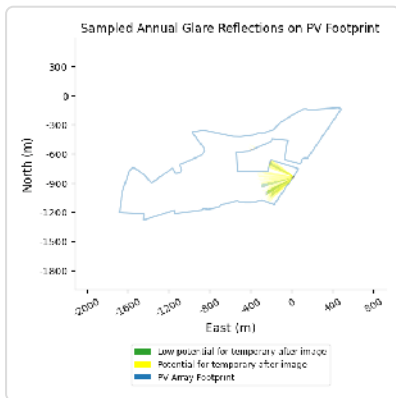
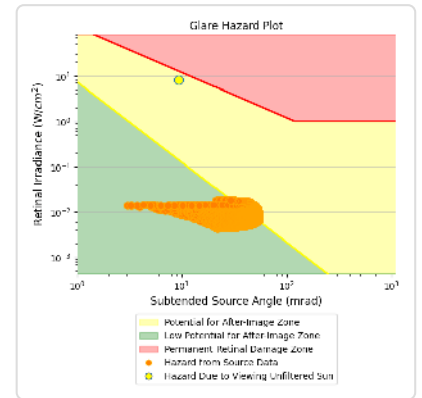
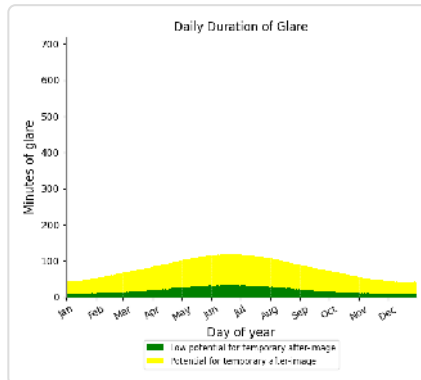
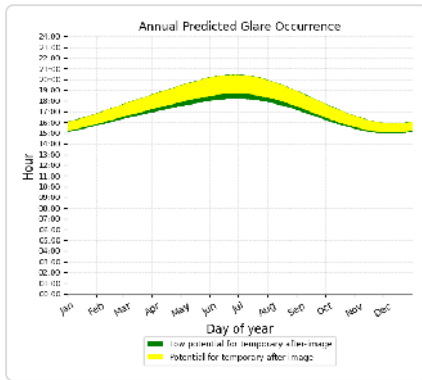
C: OP 27

No glare found

C: OP 28

PV array is expected to produce the following glare for this receptor:

- 6,832 minutes of "green" glare with low potential to cause temporary after-image.
- 21,941 minutes of "yellow" glare with potential to cause temporary after-image.



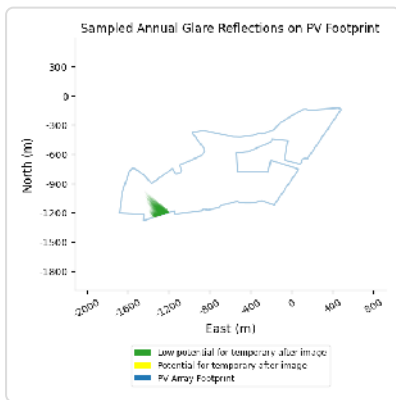
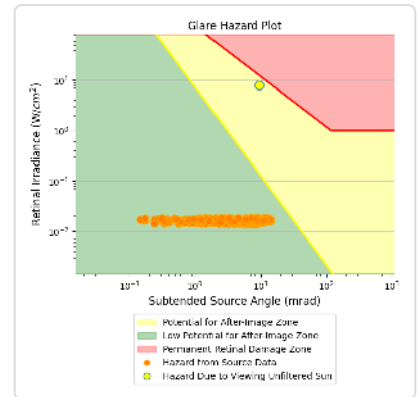
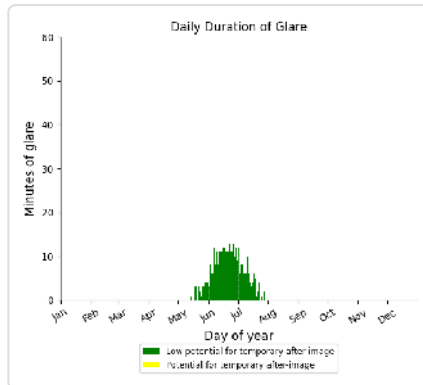
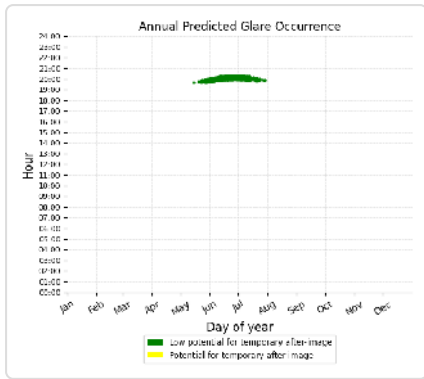
C: OP 29

No glare found

C: OP 30

PV array is expected to produce the following glare for this receptor:

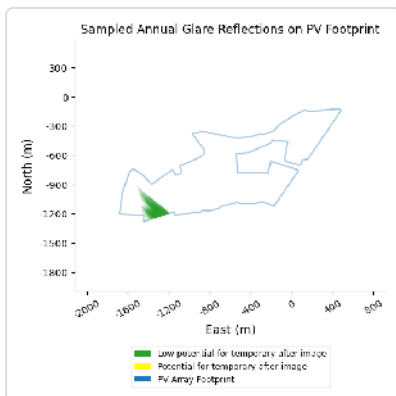
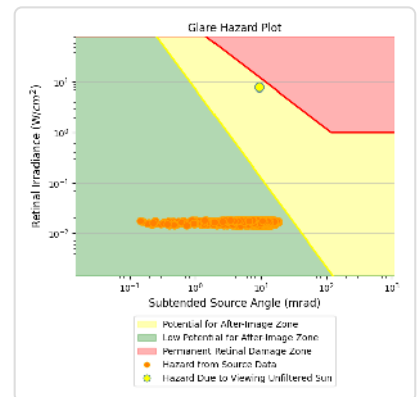
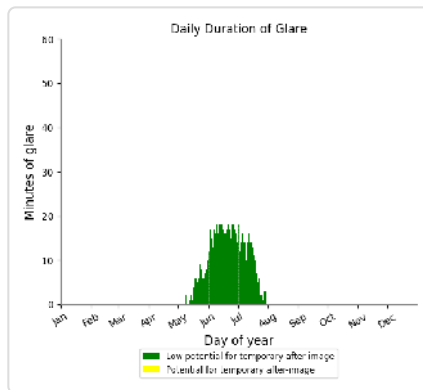
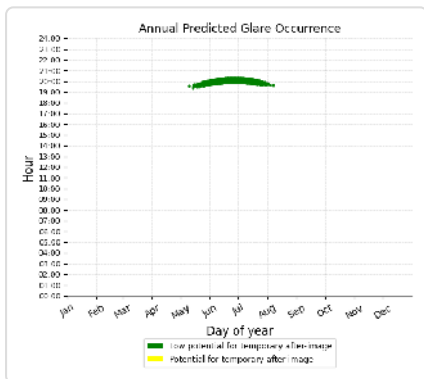
- 479 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C: OP 31

PV array is expected to produce the following glare for this receptor:

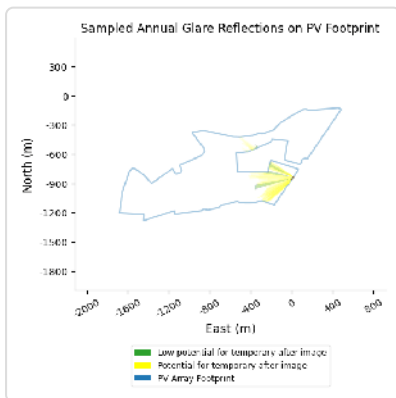
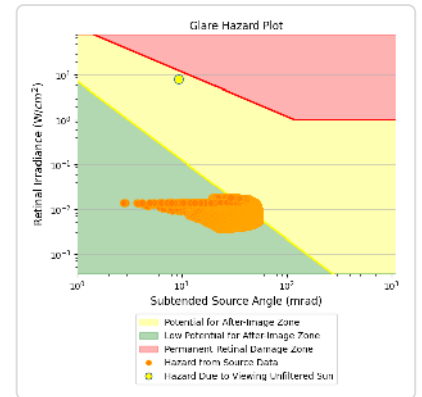
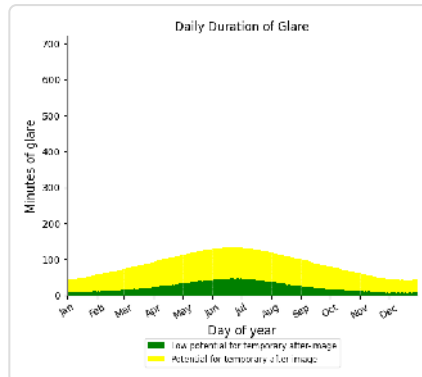
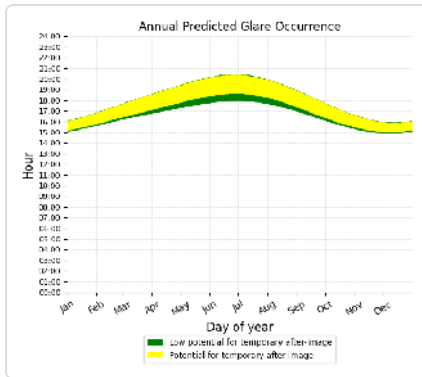
- 898 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C: OP 32

PV array is expected to produce the following glare for this receptor:

- 8,529 minutes of "green" glare with low potential to cause temporary after-image.
- 23,489 minutes of "yellow" glare with potential to cause temporary after-image.



C: OP 33

No glare found

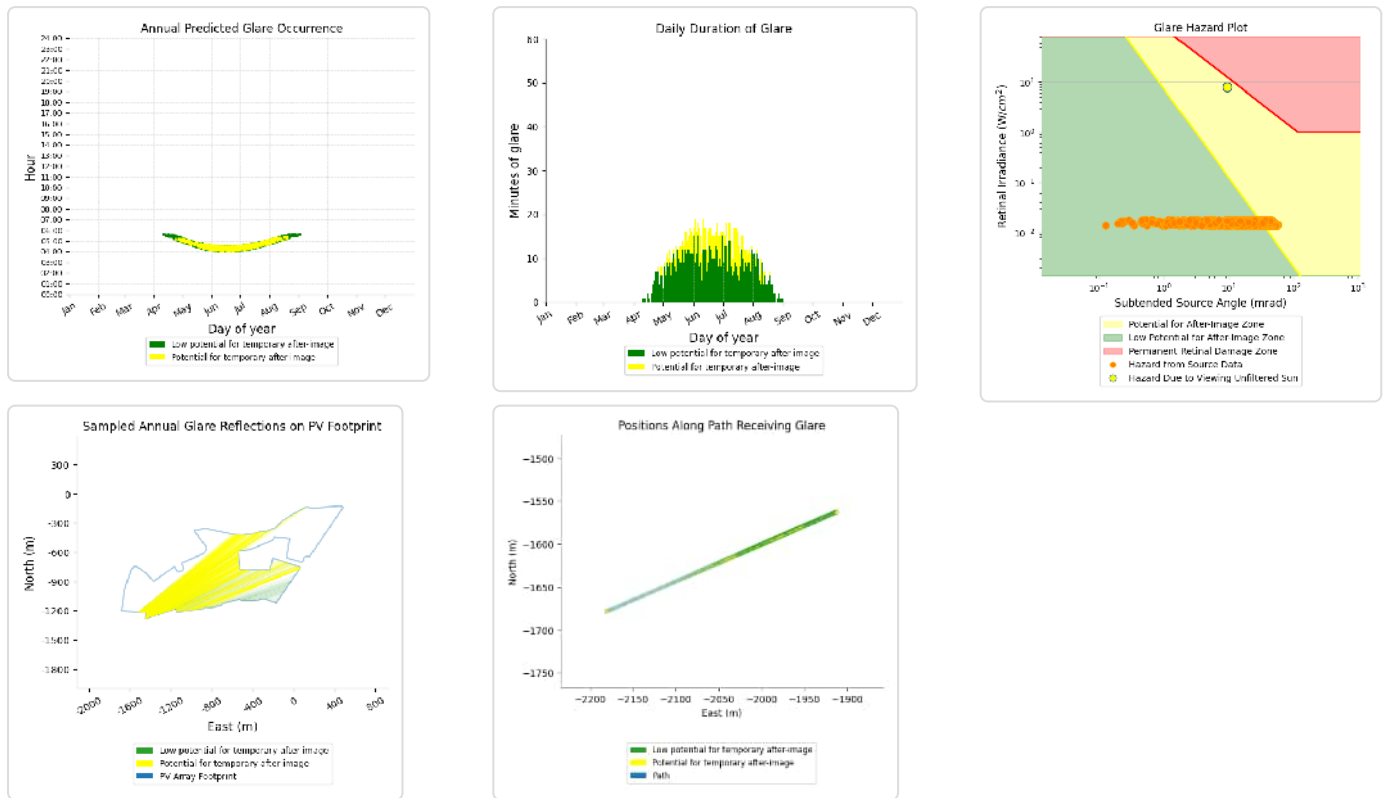
C: A429

No glare found

C: Rail 1

PV array is expected to produce the following glare for this receptor:

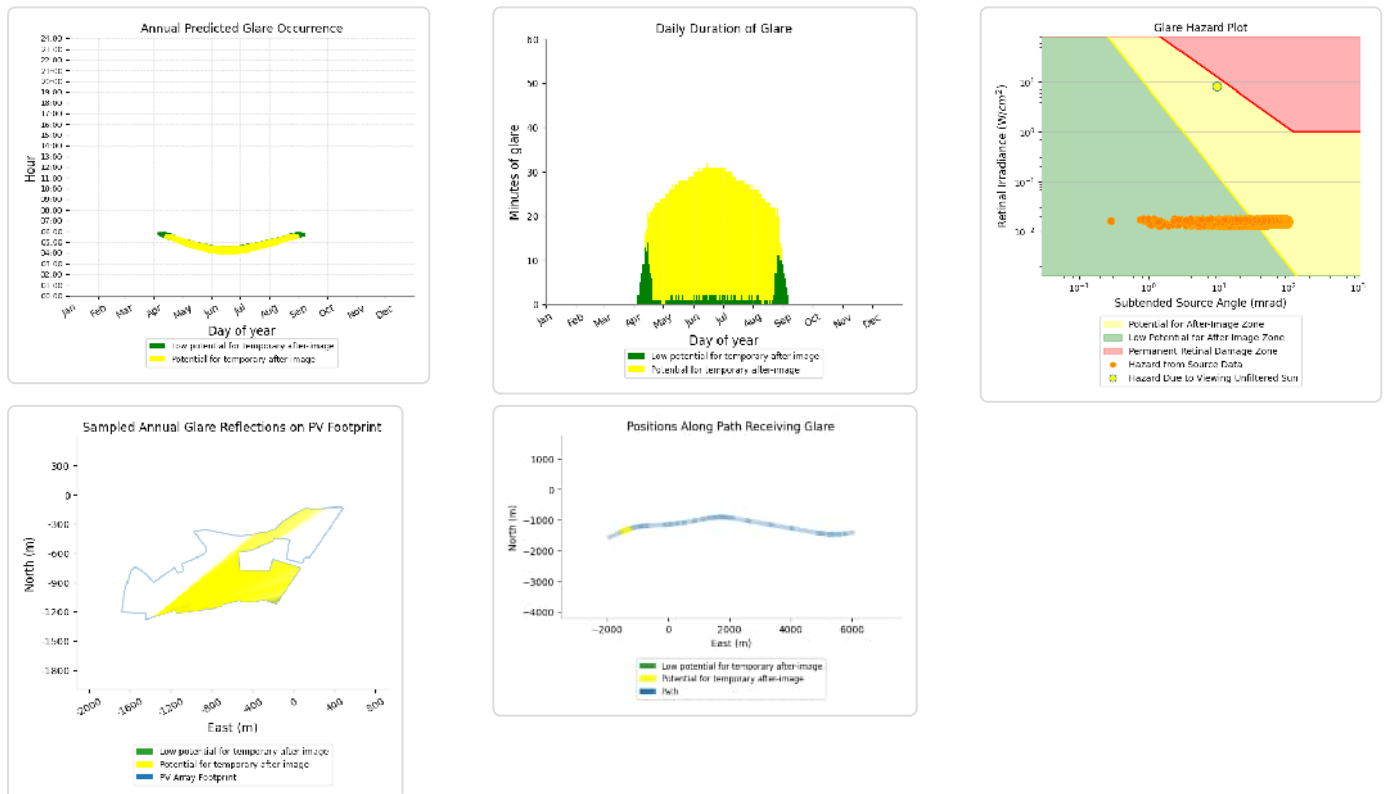
- 1,091 minutes of "green" glare with low potential to cause temporary after-image.
- 457 minutes of "yellow" glare with potential to cause temporary after-image.



C: Rail 2

PV array is expected to produce the following glare for this receptor:

- 393 minutes of "green" glare with low potential to cause temporary after-image.
- 3,413 minutes of "yellow" glare with potential to cause temporary after-image.



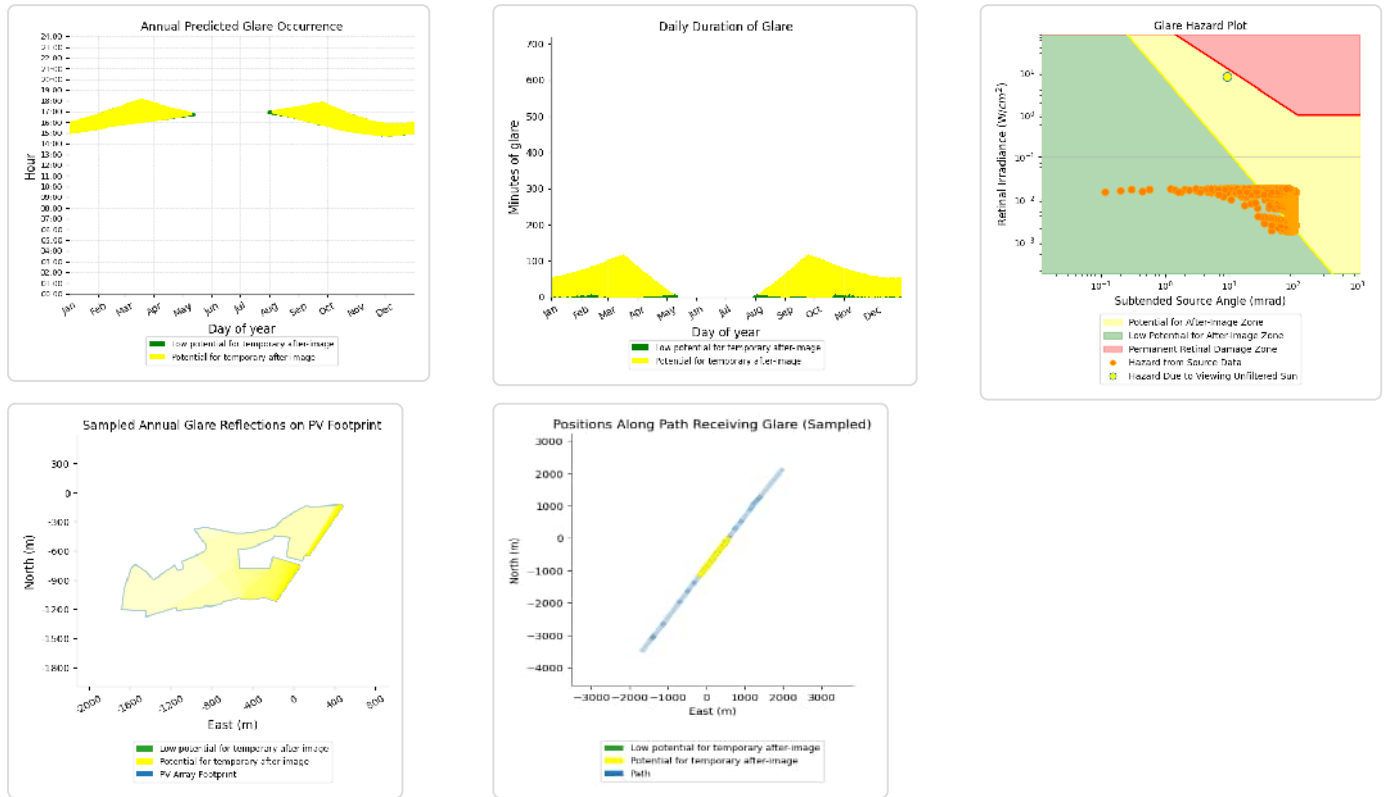
C: Rail 3

No glare found

C: Road 1

PV array is expected to produce the following glare for this receptor:

- 425 minutes of "green" glare with low potential to cause temporary after-image.
- 19,687 minutes of "yellow" glare with potential to cause temporary after-image.



C: Road 2

No glare found

C: Route 6

No glare found

C: Route 7

No glare found

C2 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Bowldown Farm RWY04	0	0
FP: Bowldown Farm RWY09	0	0
FP: Bowldown Farm RWY22	0	0
FP: Bowldown Farm RWY27	0	0
FP: Charlton Park RWY07	0	0
FP: Charlton Park RWY25	1582	0
FP: Langley House RWY 03	0	0
FP: Langley House RWY04	0	0
FP: Langley House RWY 21	0	0
FP: Langley House RWY22	0	0

OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	2923	3996
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	4139	31
OP: OP 29	0	0
OP: OP 30	436	0
OP: OP 31	442	0
OP: OP 32	4080	195
OP: OP 33	218	0
Route: A429	0	0
Route: Rail 1	52	0
Route: Rail 2	810	1978
Route: Rail 3	0	0
Route: Road 1	119351	26655
Route: Road 2	0	0
Route: Route 6	0	0
Route: Route 7	0	0

C2: Bowldown Farm RWY04

No glare found

C2: Bowldown Farm RWY09

No glare found

C2: Bowldown Farm RWY22

No glare found

C2: Bowldown Farm RWY27

No glare found

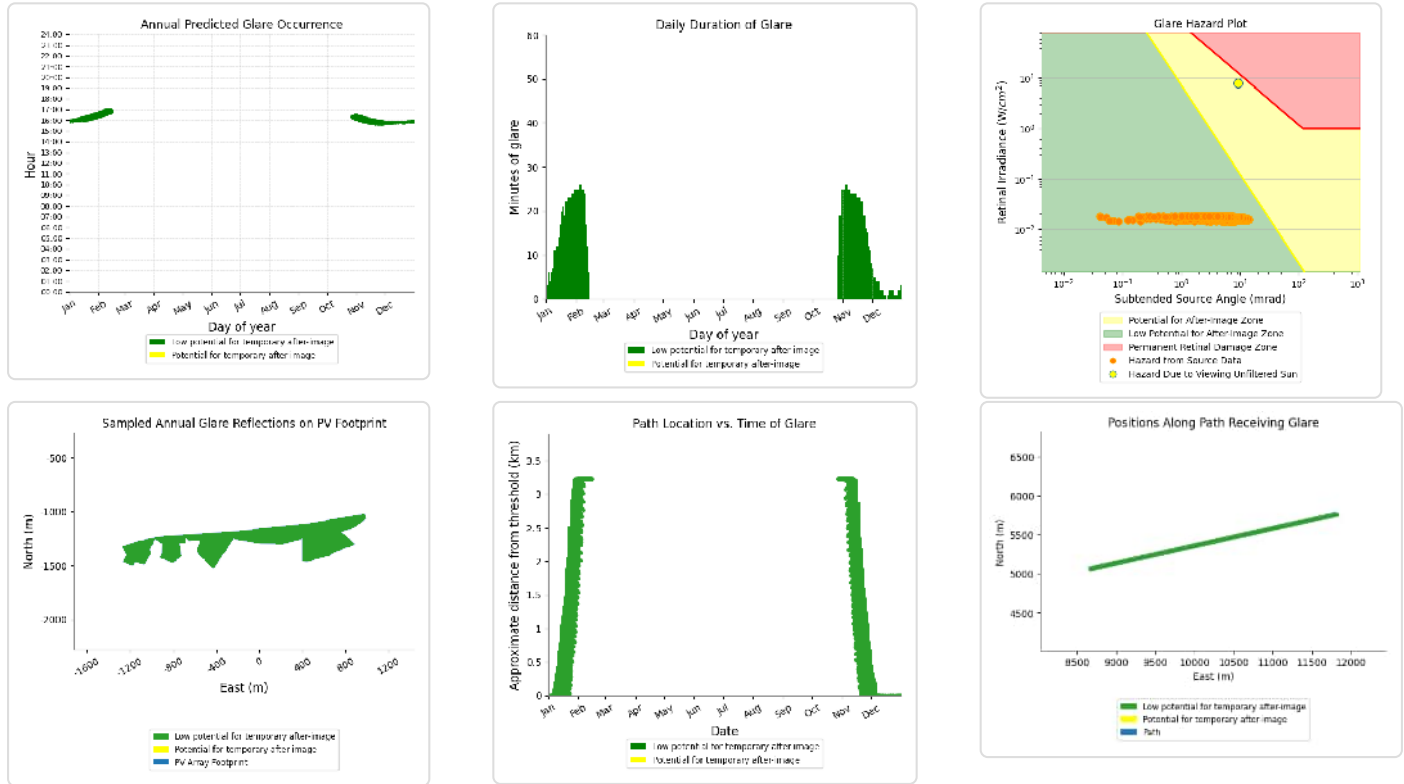
C2: Charlton Park RWY07

No glare found

C2: Charlton Park RWY25

PV array is expected to produce the following glare for this receptor:

- 1,582 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C2: Langley House RWY 03

No glare found

C2: Langley House RWY04

No glare found

C2: Langley House RWY 21

No glare found

C2: Langley House RWY22

No glare found

C2: OP 1

No glare found

C2: OP 2

No glare found

C2: OP 3

No glare found

C2: OP 4

No glare found

C2: OP 5

No glare found

C2: OP 6

No glare found

C2: OP 7

No glare found

C2: OP 8

No glare found

C2: OP 9

No glare found

C2: OP 10

No glare found

C2: OP 11

No glare found

C2: OP 12

No glare found

C2: OP 13

No glare found

C2: OP 14

No glare found

C2: OP 15

No glare found

C2: OP 16

No glare found

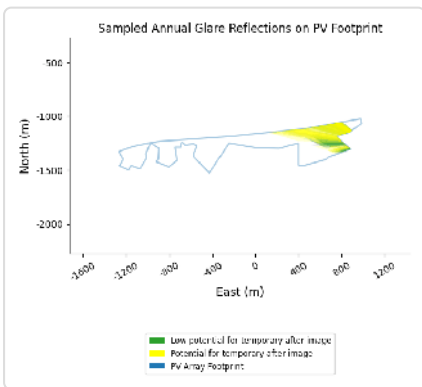
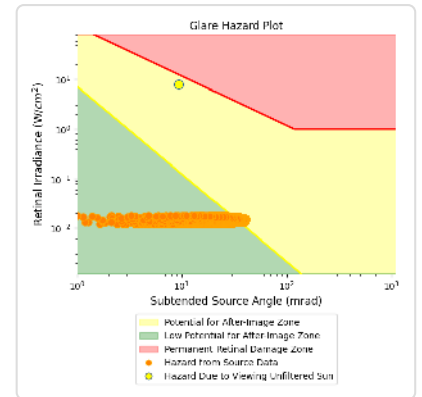
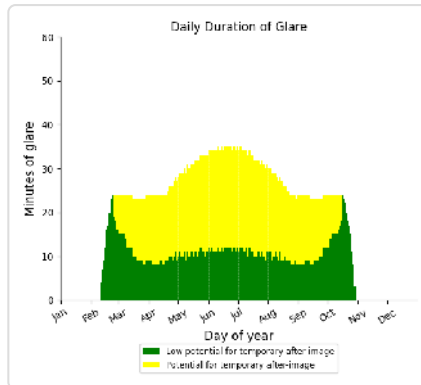
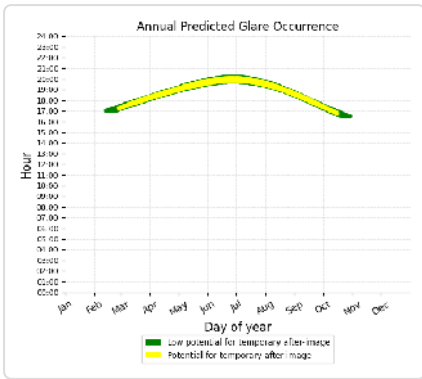
C2: OP 17

No glare found

C2: OP 18

PV array is expected to produce the following glare for this receptor:

- 2,923 minutes of "green" glare with low potential to cause temporary after-image.
- 3,996 minutes of "yellow" glare with potential to cause temporary after-image.



C2: OP 19

No glare found

C2: OP 20

No glare found

C2: OP 21

No glare found

C2: OP 22

No glare found

C2: OP 23

No glare found

C2: OP 24

No glare found

C2: OP 25

No glare found

C2: OP 26

No glare found

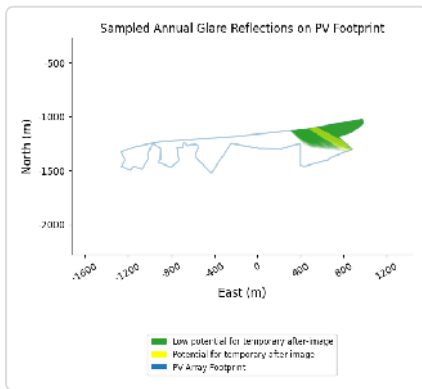
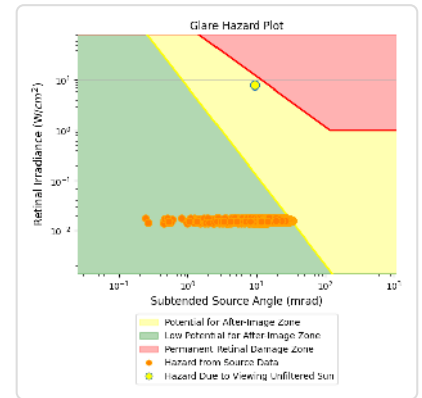
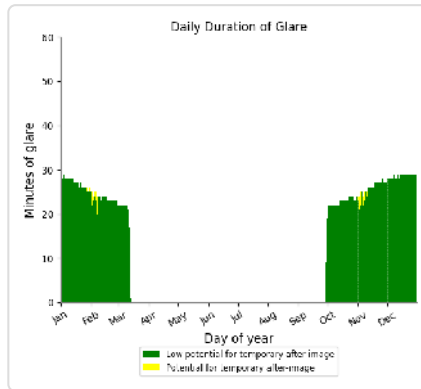
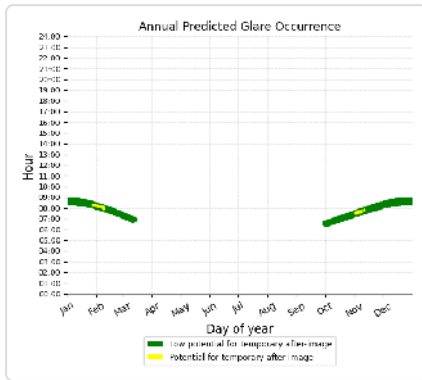
C2: OP 27

No glare found

C2: OP 28

PV array is expected to produce the following glare for this receptor:

- 4,139 minutes of "green" glare with low potential to cause temporary after-image.
- 31 minutes of "yellow" glare with potential to cause temporary after-image.



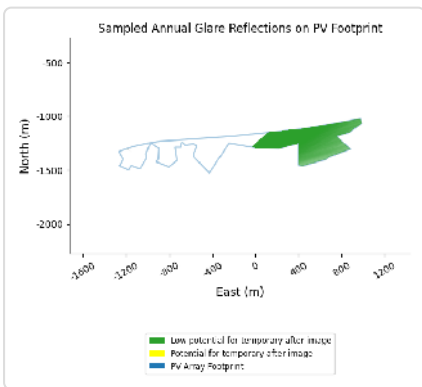
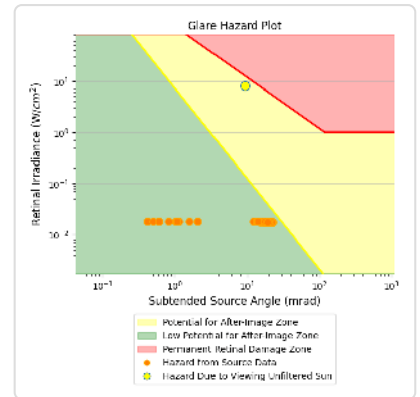
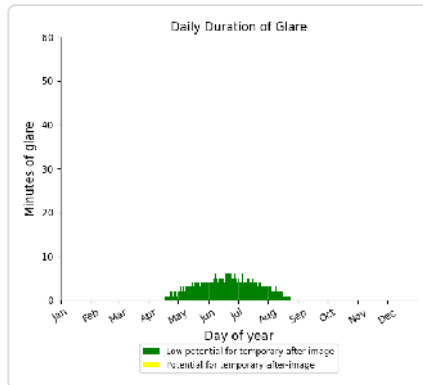
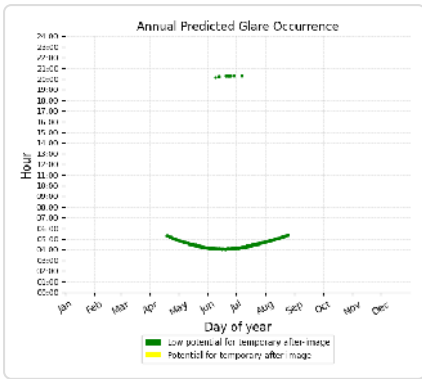
C2: OP 29

No glare found

C2: OP 30

PV array is expected to produce the following glare for this receptor:

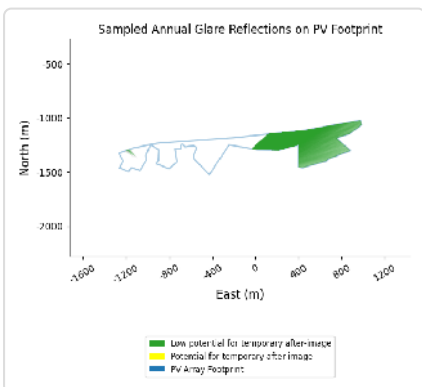
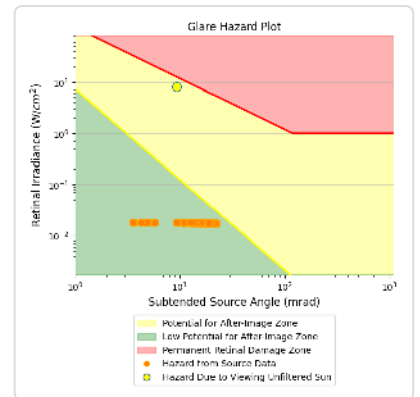
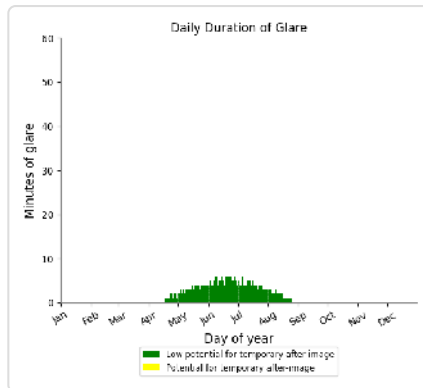
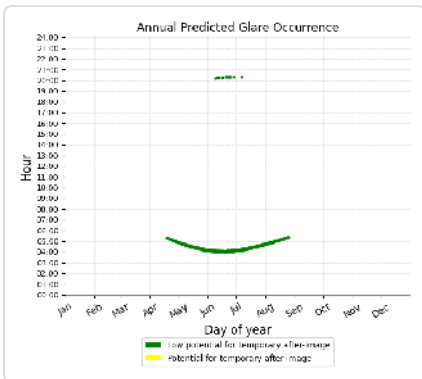
- 436 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C2: OP 31

PV array is expected to produce the following glare for this receptor:

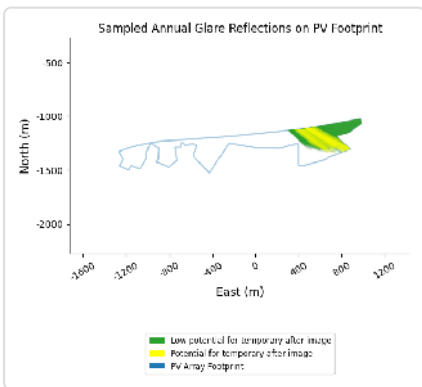
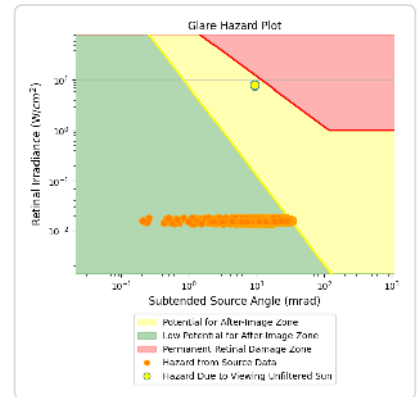
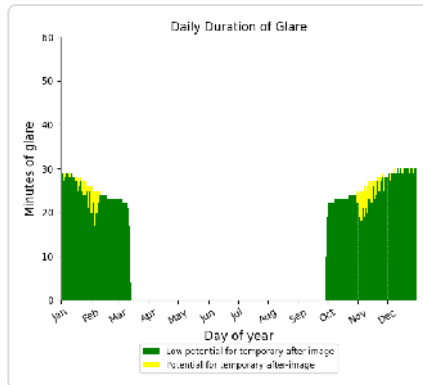
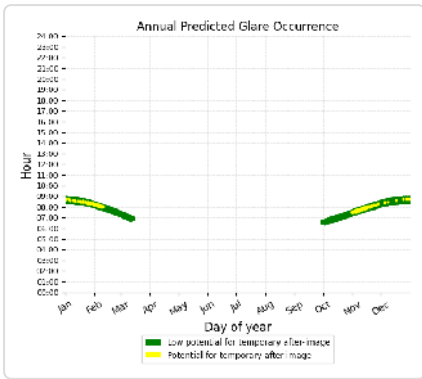
- 442 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C2: OP 32

PV array is expected to produce the following glare for this receptor:

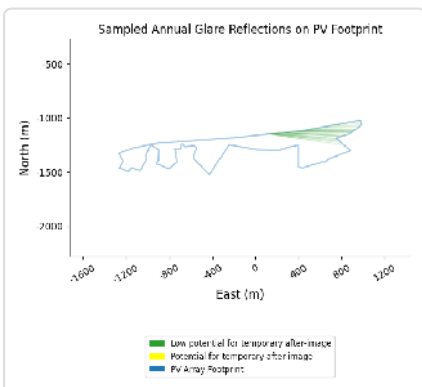
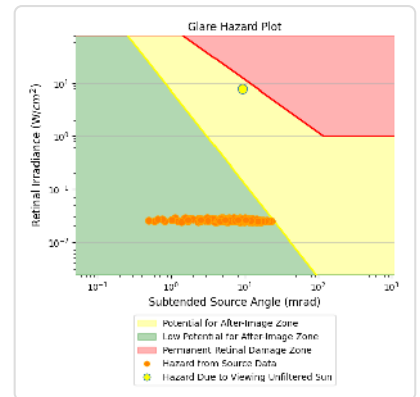
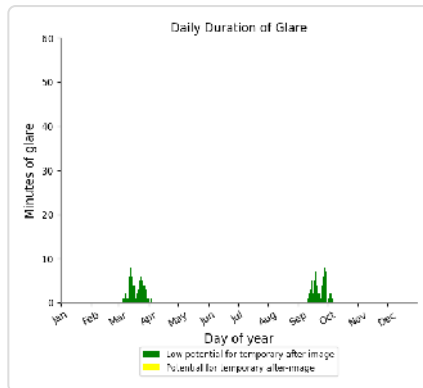
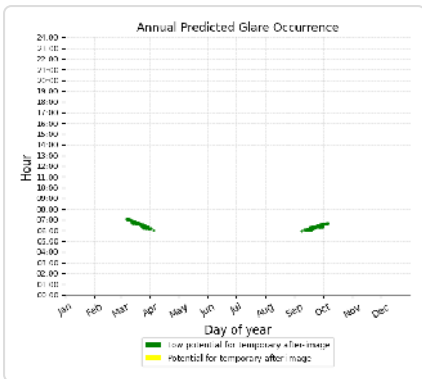
- 4,080 minutes of "green" glare with low potential to cause temporary after-image.
- 195 minutes of "yellow" glare with potential to cause temporary after-image.



C2: OP 33

PV array is expected to produce the following glare for this receptor:

- 218 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



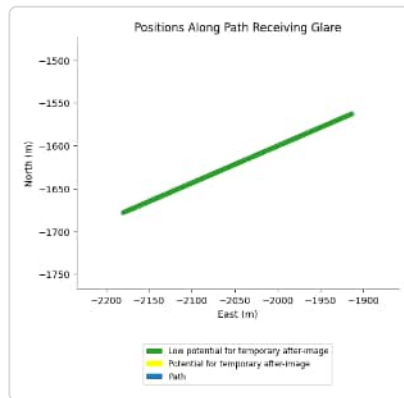
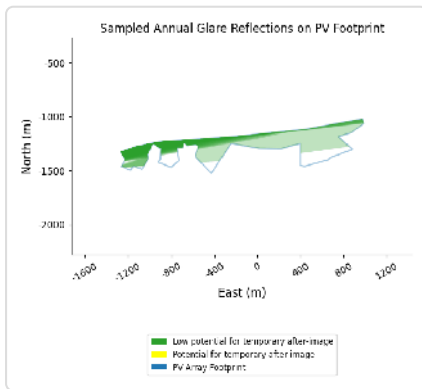
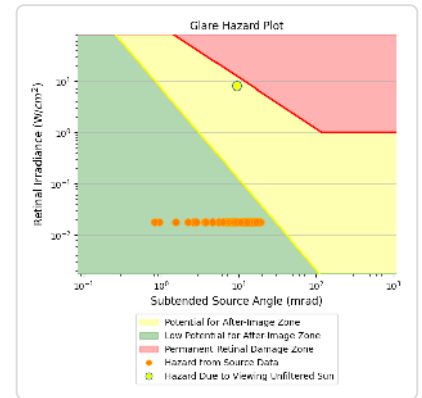
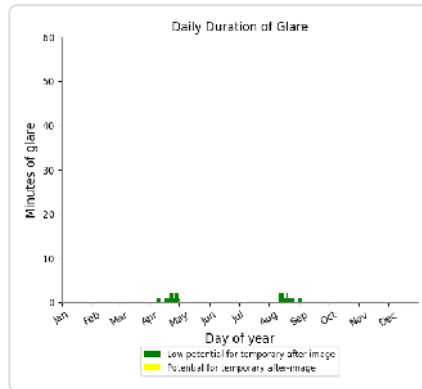
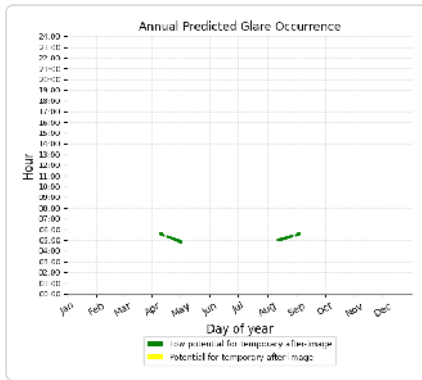
C2: A429

No glare found

C2: Rail 1

PV array is expected to produce the following glare for this receptor:

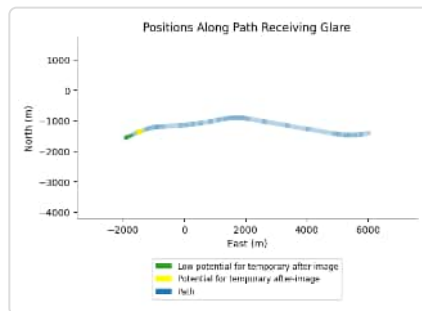
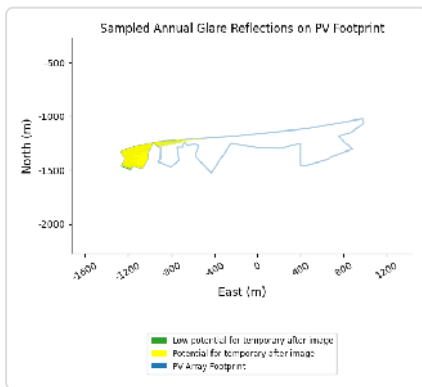
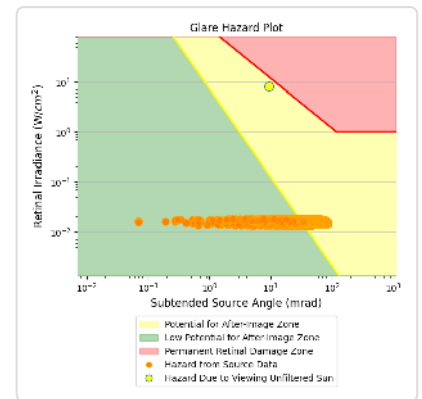
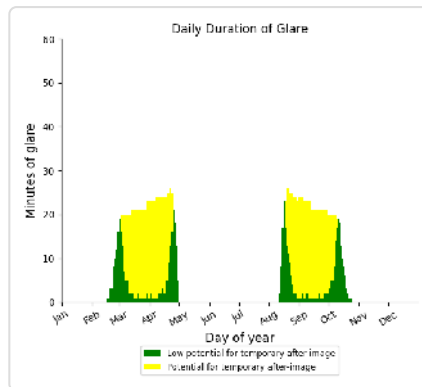
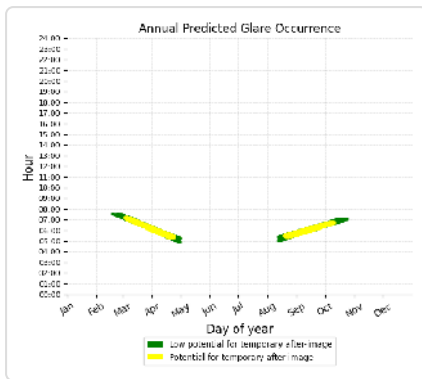
- 52 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C2: Rail 2

PV array is expected to produce the following glare for this receptor:

- 810 minutes of "green" glare with low potential to cause temporary after-image.
- 1,978 minutes of "yellow" glare with potential to cause temporary after-image.



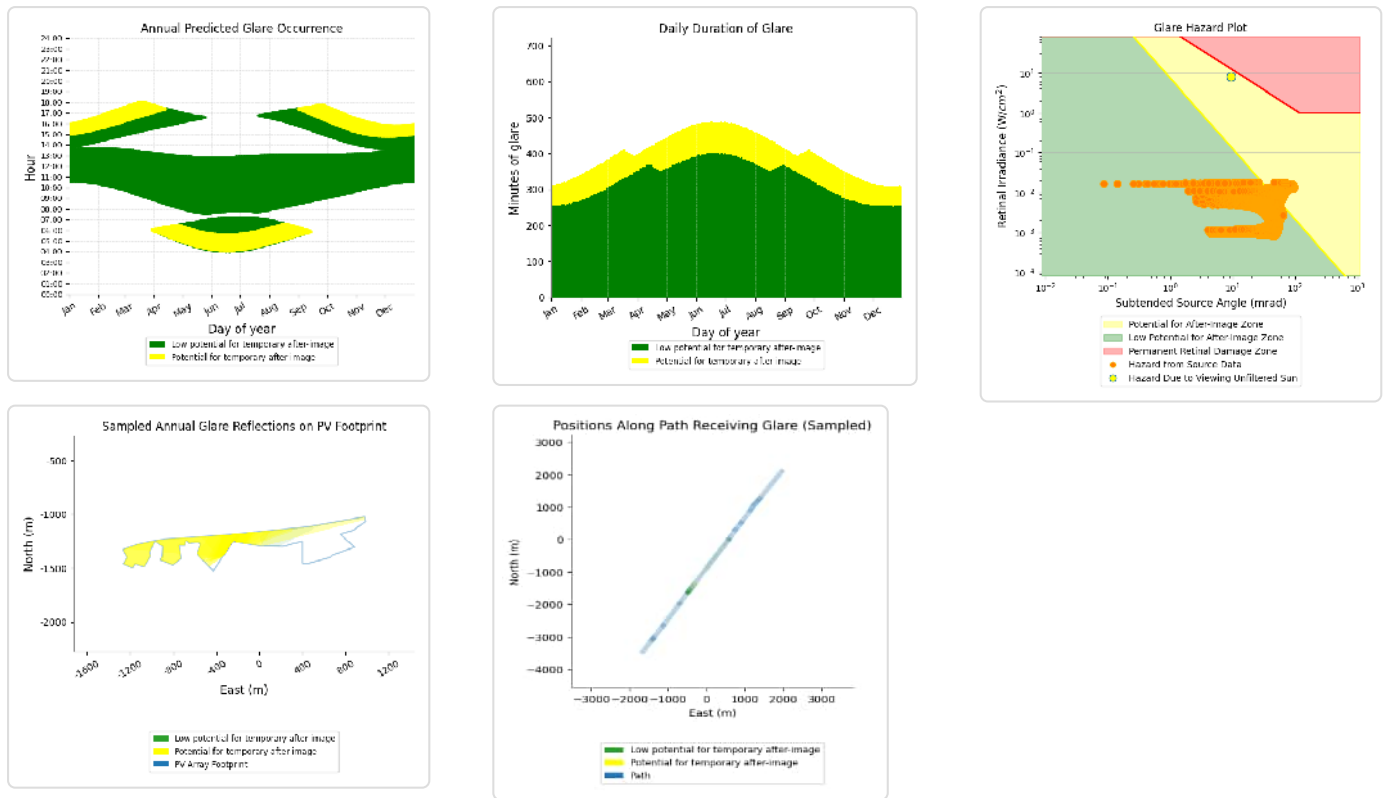
C2: Rail 3

No glare found

C2: Road 1

PV array is expected to produce the following glare for this receptor:

- 119,351 minutes of "green" glare with low potential to cause temporary after-image.
- 26,655 minutes of "yellow" glare with potential to cause temporary after-image.



C2: Road 2

No glare found

C2: Route 6

No glare found

C2: Route 7

No glare found

C3 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Bowldown Farm RWY04	0	0
FP: Bowldown Farm RWY09	0	0
FP: Bowldown Farm RWY22	0	0
FP: Bowldown Farm RWY27	0	0
FP: Charlton Park RWY07	0	0
FP: Charlton Park RWY25	1809	0
FP: Langley House RWY 03	0	0
FP: Langley House RWY04	0	0
FP: Langley House RWY 21	0	0
FP: Langley House RWY22	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0

OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	3708	10060
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	54	0
OP: OP 28	1558	0
OP: OP 29	530	0
OP: OP 30	1607	0
OP: OP 31	1615	0
OP: OP 32	1678	0
OP: OP 33	704	0
Route: A429	0	0
Route: Rail 1	849	0
Route: Rail 2	1178	0
Route: Rail 3	0	0
Route: Road 1	3367	15
Route: Road 2	0	0
Route: Route 6	0	0
Route: Route 7	0	0

C3: Bowldown Farm RWY04*No glare found***C3: Bowldown Farm RWY09***No glare found***C3: Bowldown Farm RWY22***No glare found***C3: Bowldown Farm RWY27***No glare found*

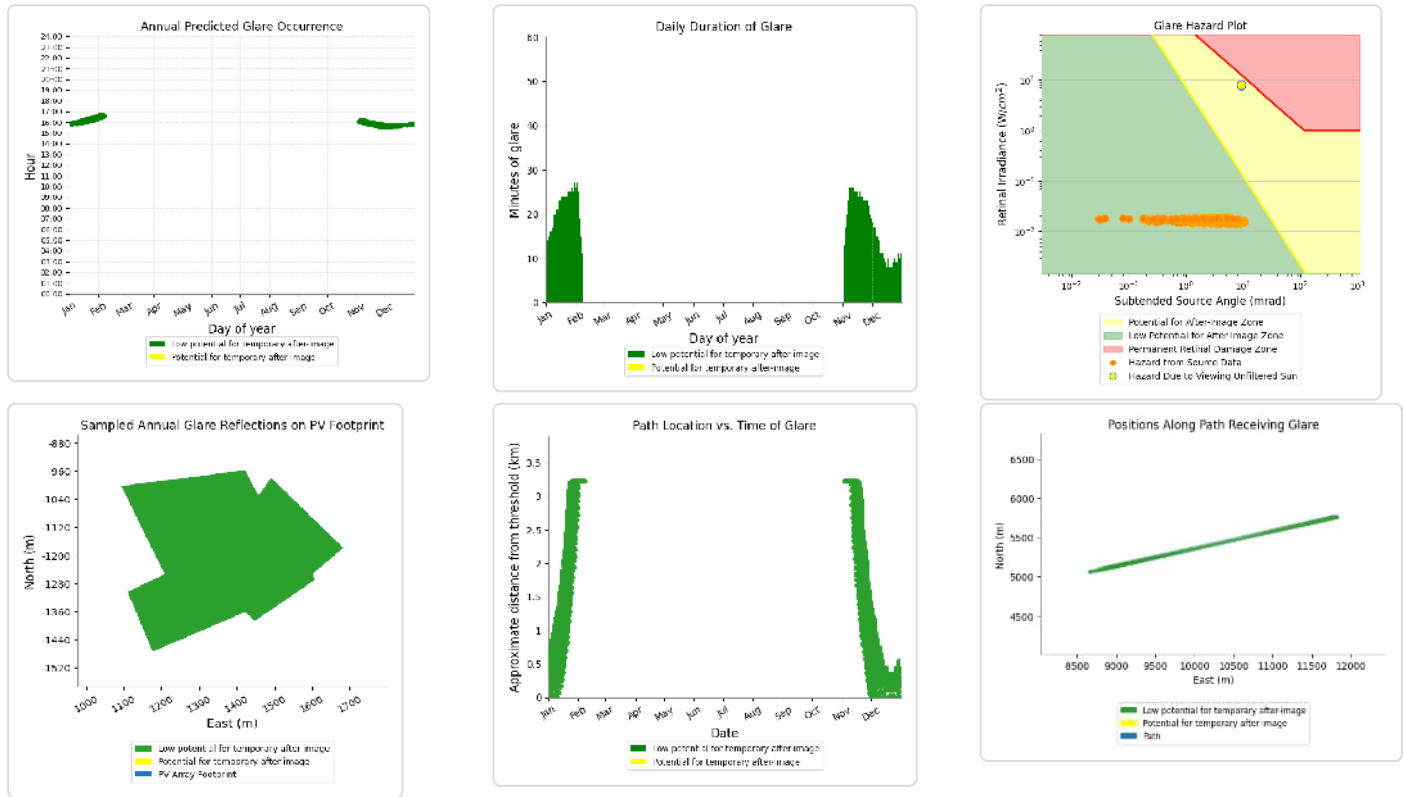
C3: Charlton Park RWY07

No glare found

C3: Charlton Park RWY25

PV array is expected to produce the following glare for this receptor:

- 1,809 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C3: Langley House RWY 03

No glare found

C3: Langley House RWY04

No glare found

C3: Langley House RWY 21

No glare found

C3: Langley House RWY22

No glare found

C3: OP 1

No glare found

C3: OP 2

No glare found

C3: OP 3

No glare found

C3: OP 4

No glare found

C3: OP 5

No glare found

C3: OP 6

No glare found

C3: OP 7

No glare found

C3: OP 8

No glare found

C3: OP 9

No glare found

C3: OP 10

No glare found

C3: OP 11

No glare found

C3: OP 12

No glare found

C3: OP 13

No glare found

C3: OP 14

No glare found

C3: OP 15

No glare found

C3: OP 16

No glare found

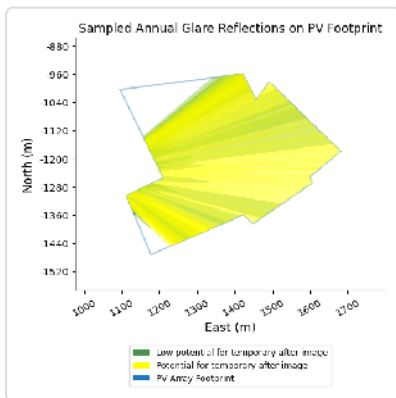
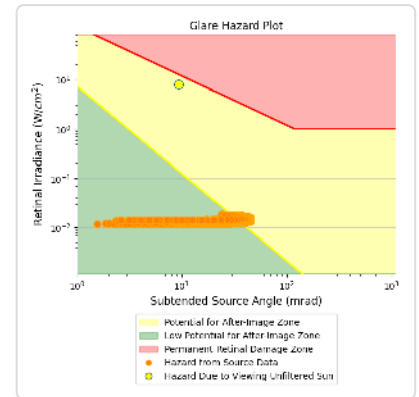
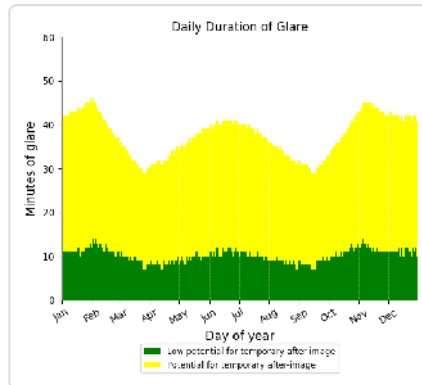
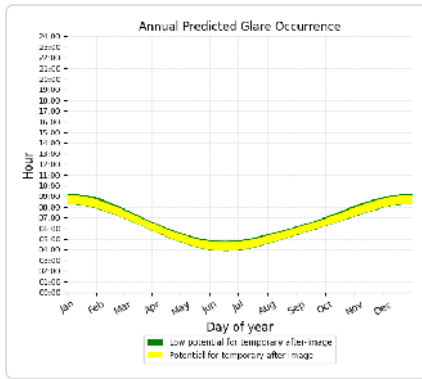
C3: OP 17

No glare found

C3: OP 18

PV array is expected to produce the following glare for this receptor:

- 3,708 minutes of "green" glare with low potential to cause temporary after-image.
- 10,060 minutes of "yellow" glare with potential to cause temporary after-image.



C3: OP 19

No glare found

C3: OP 20

No glare found

C3: OP 21

No glare found

C3: OP 22

No glare found

C3: OP 23

No glare found

C3: OP 24

No glare found

C3: OP 25

No glare found

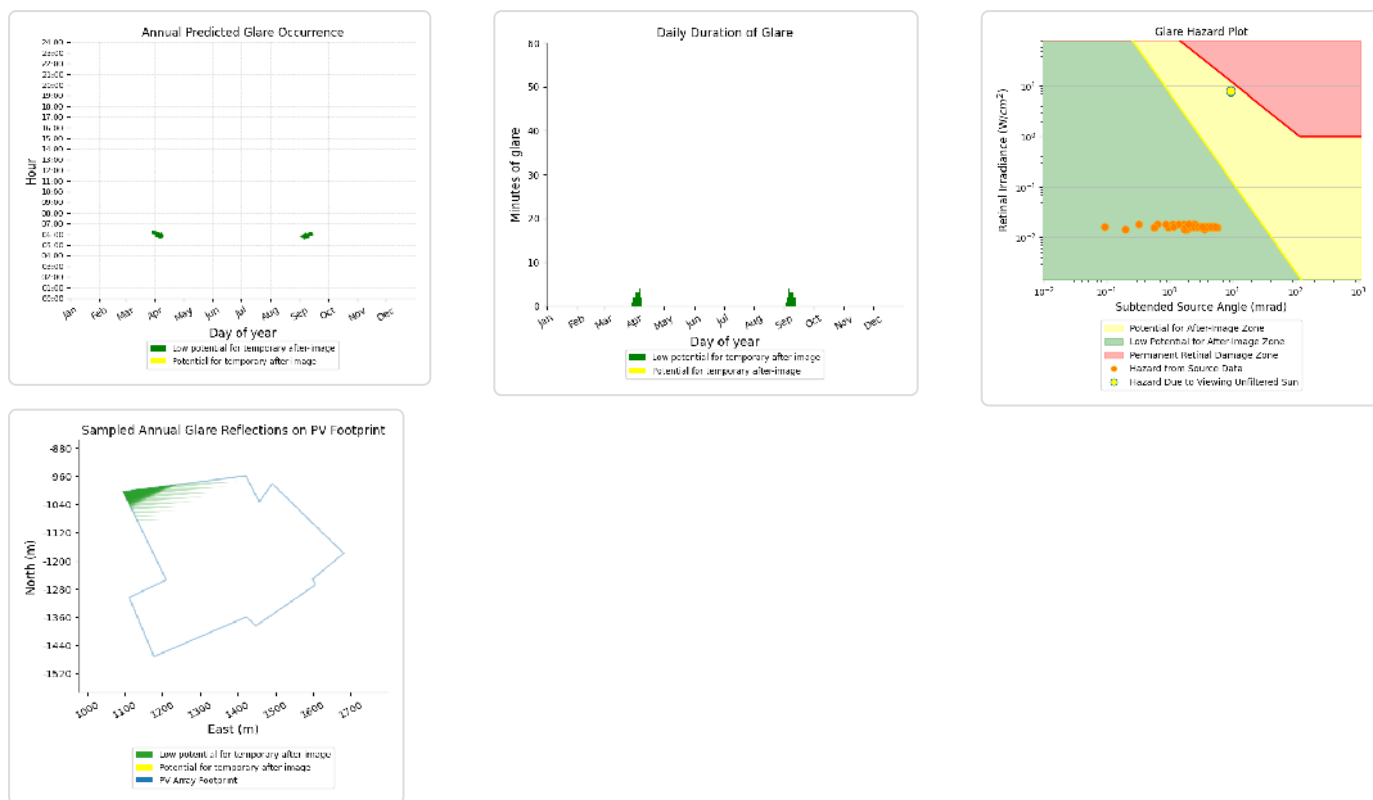
C3: OP 26

No glare found

C3: OP 27

PV array is expected to produce the following glare for this receptor:

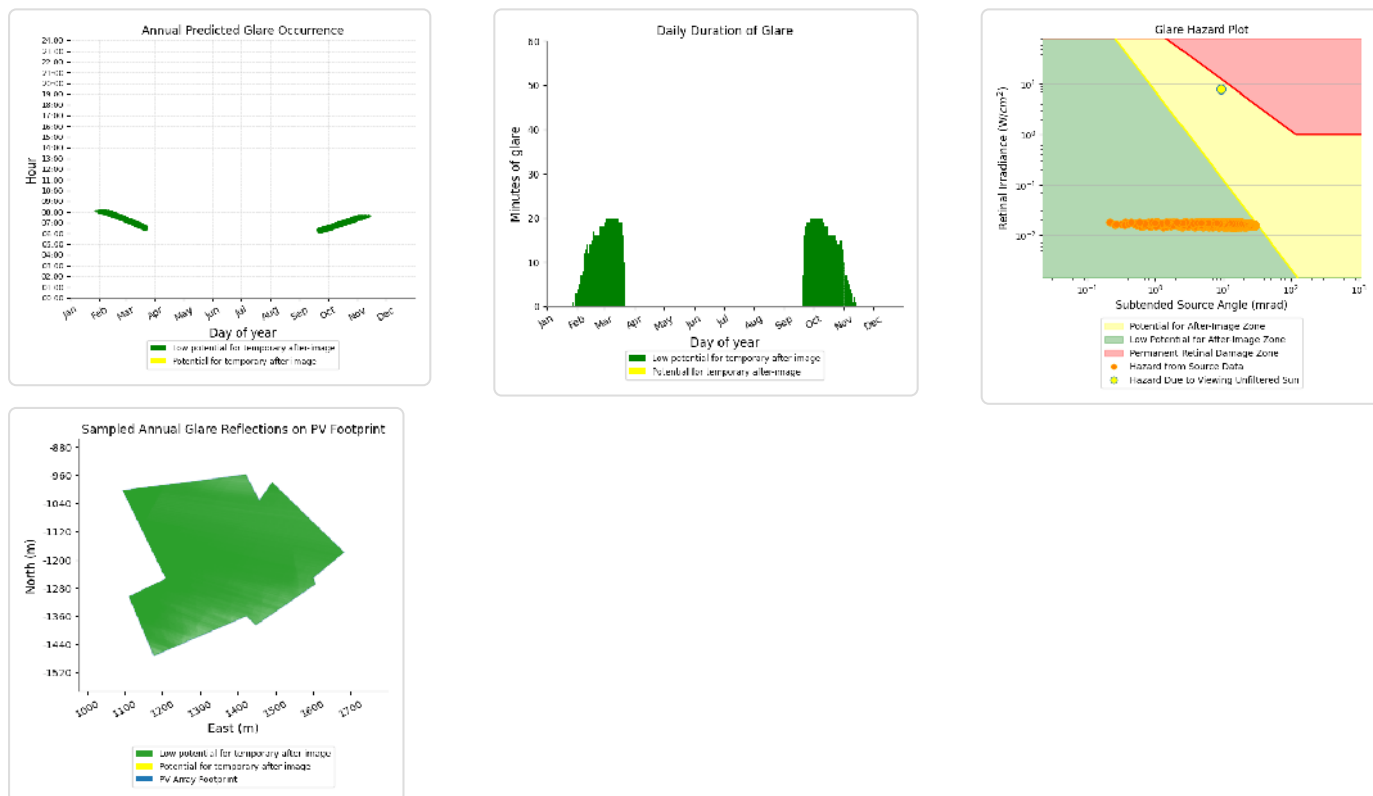
- 54 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C3: OP 28

PV array is expected to produce the following glare for this receptor:

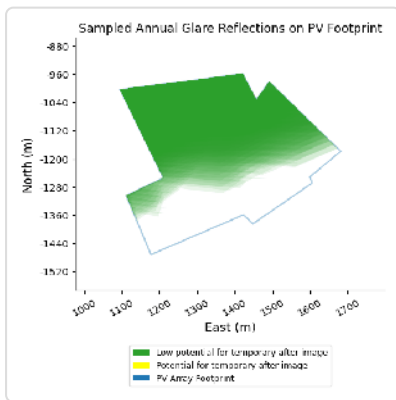
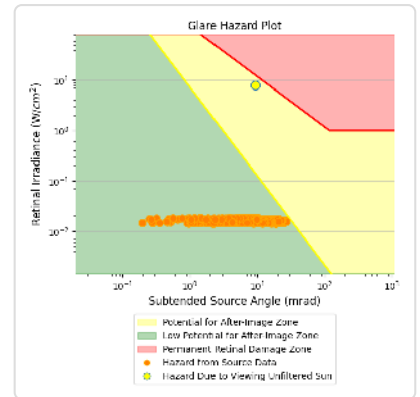
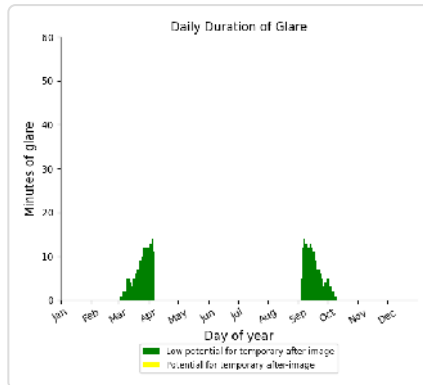
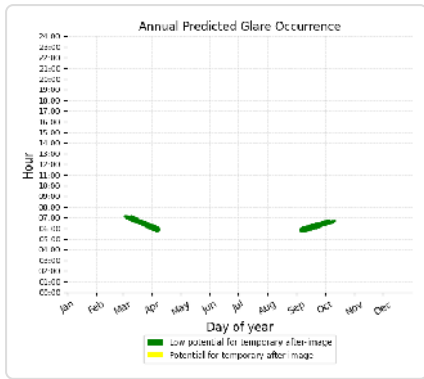
- 1,558 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C3: OP 29

PV array is expected to produce the following glare for this receptor:

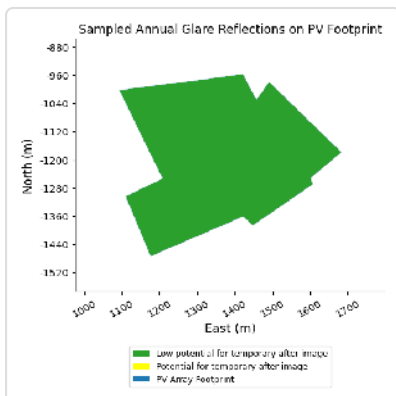
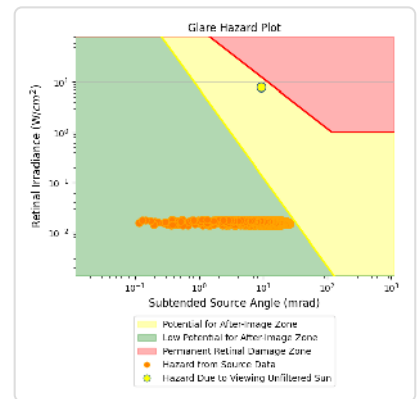
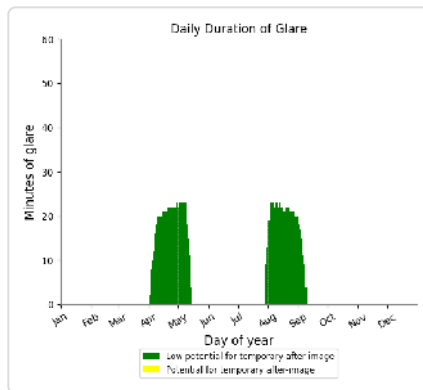
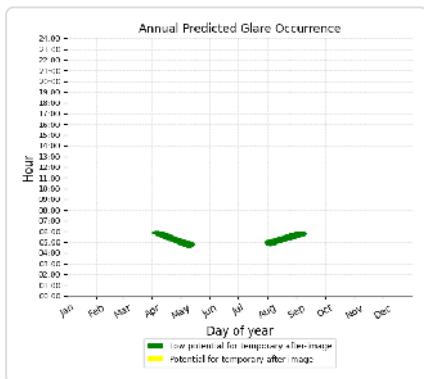
- 530 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C3: OP 30

PV array is expected to produce the following glare for this receptor:

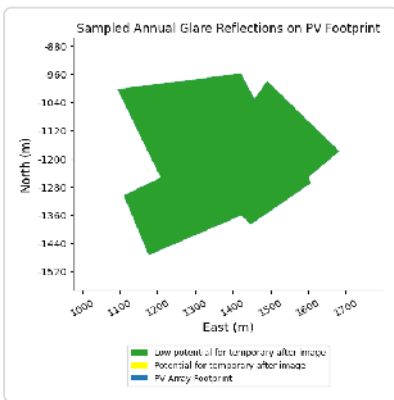
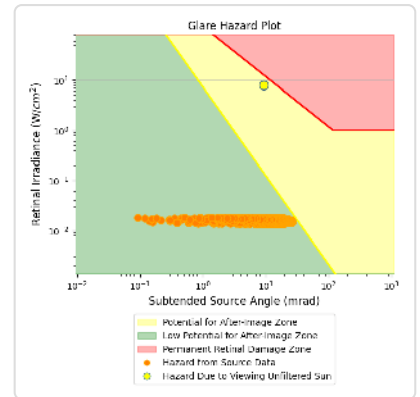
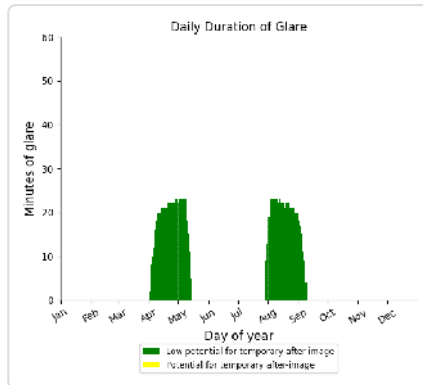
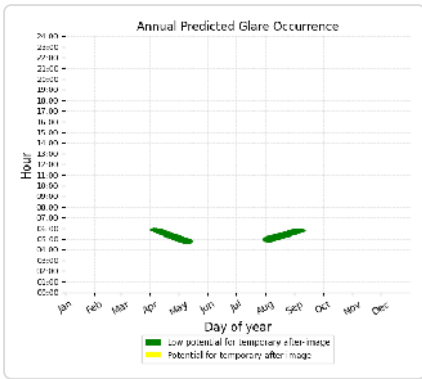
- 1,607 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C3: OP 31

PV array is expected to produce the following glare for this receptor:

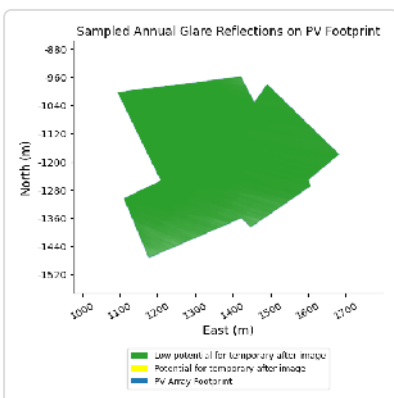
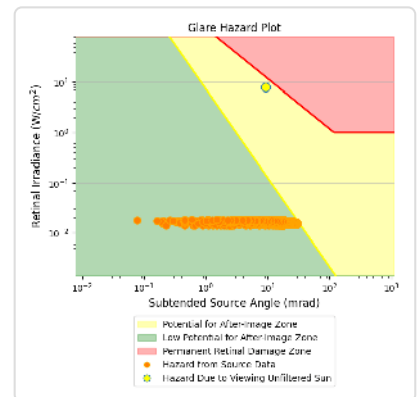
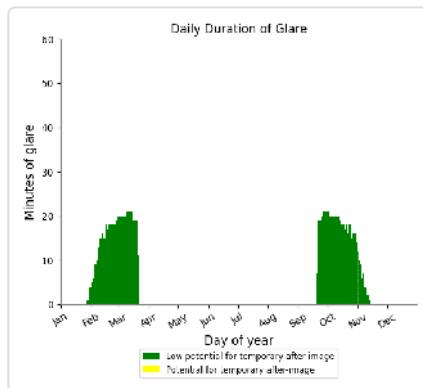
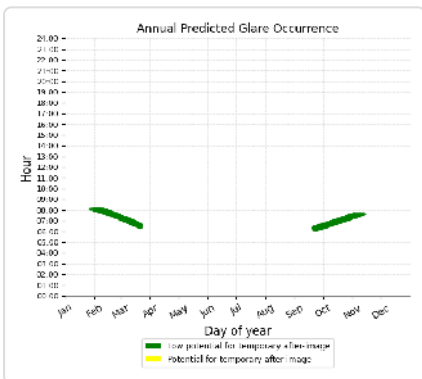
- 1,615 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C3: OP 32

PV array is expected to produce the following glare for this receptor:

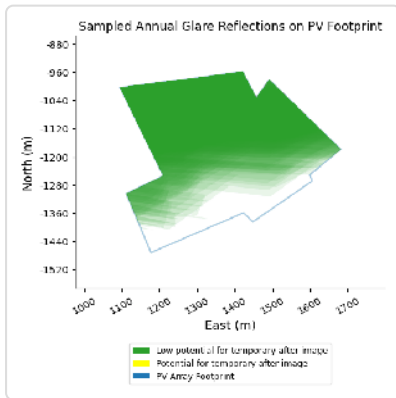
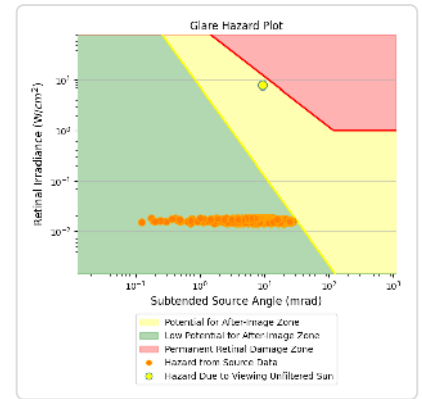
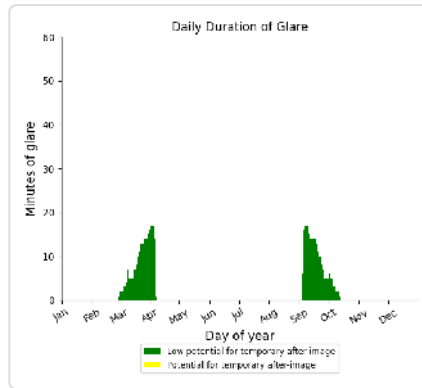
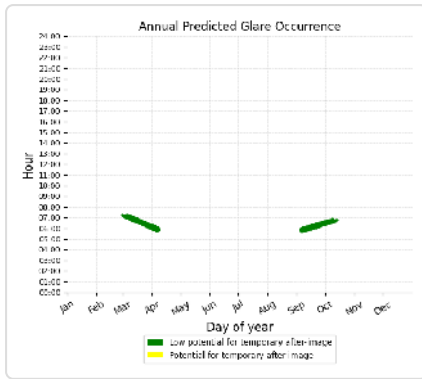
- 1,678 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C3: OP 33

PV array is expected to produce the following glare for this receptor:

- 704 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



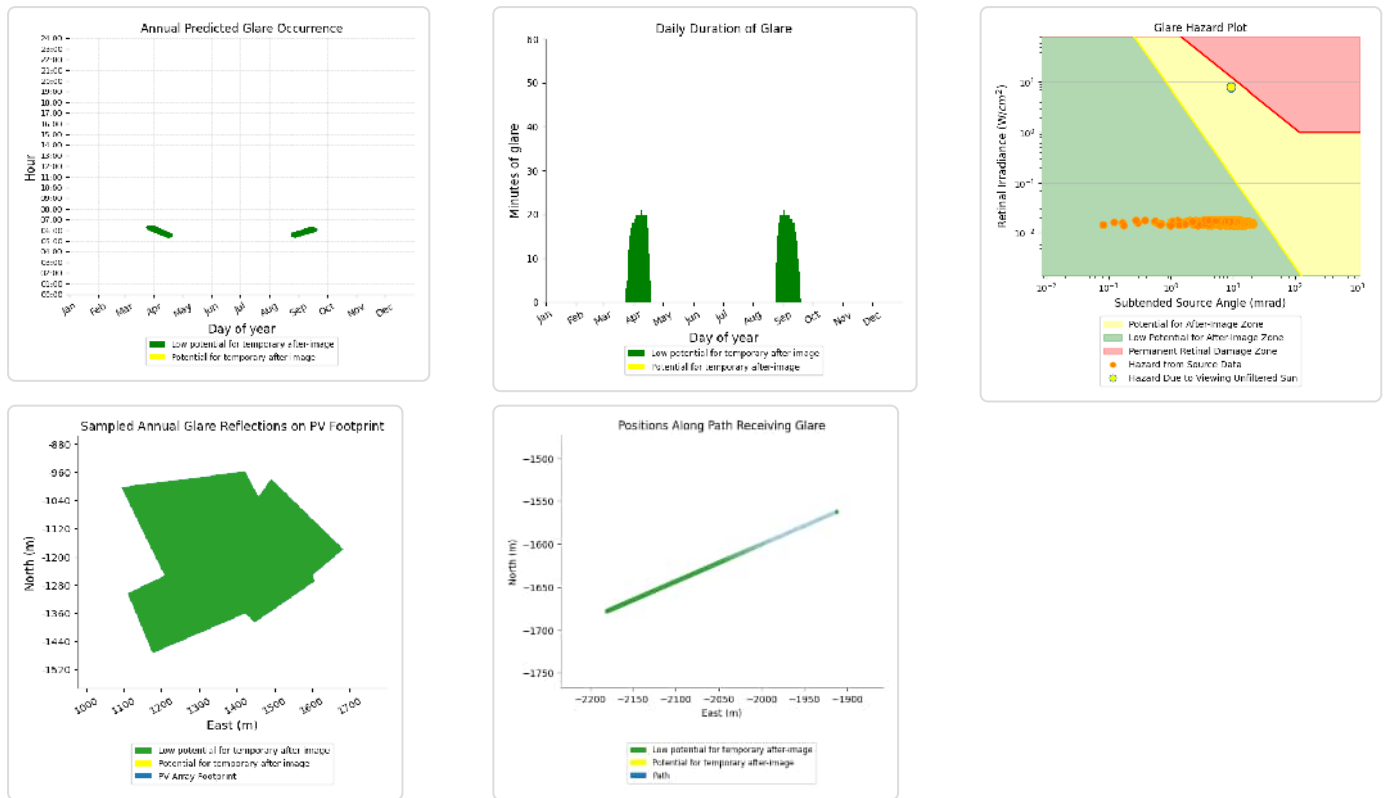
C3: A429

No glare found

C3: Rail 1

PV array is expected to produce the following glare for this receptor:

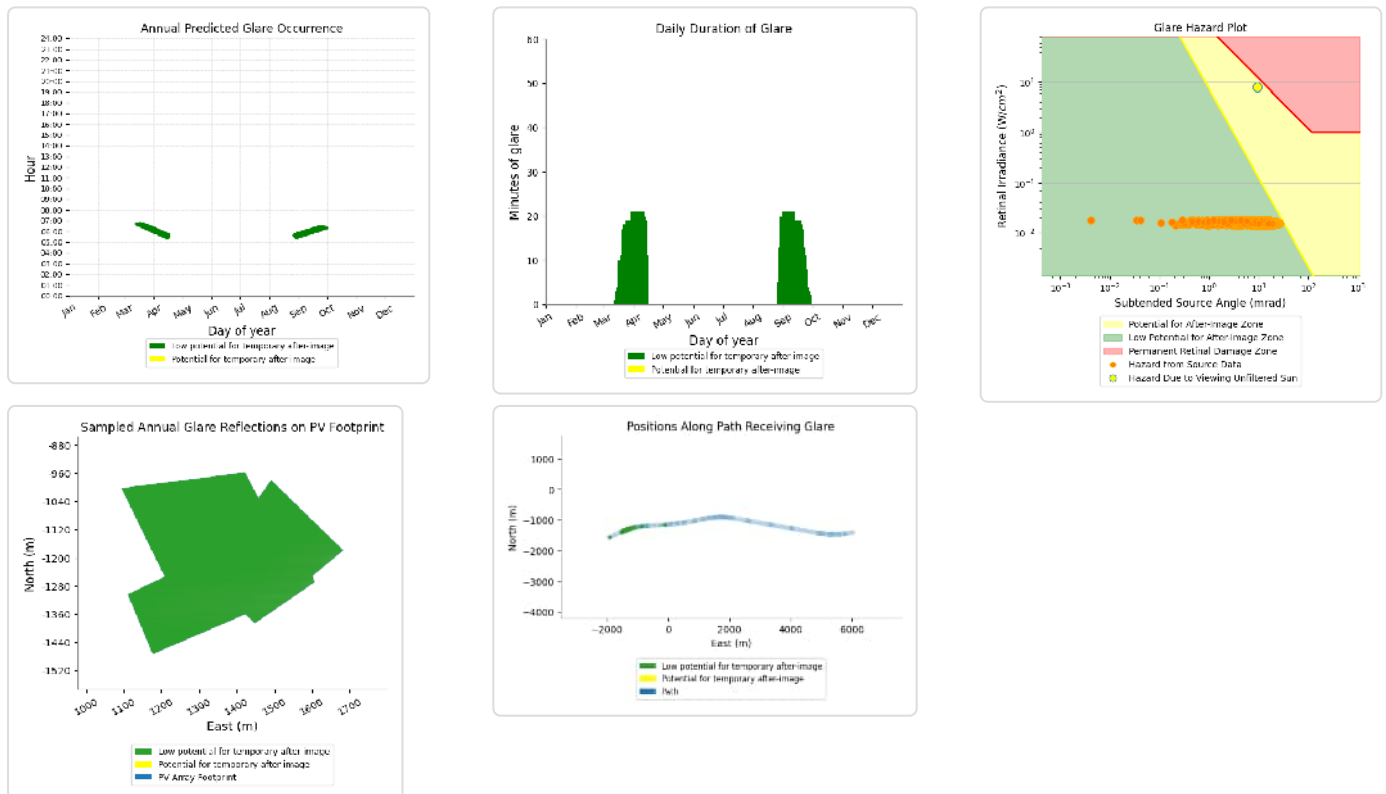
- 849 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



C3: Rail 2

PV array is expected to produce the following glare for this receptor:

- 1,178 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



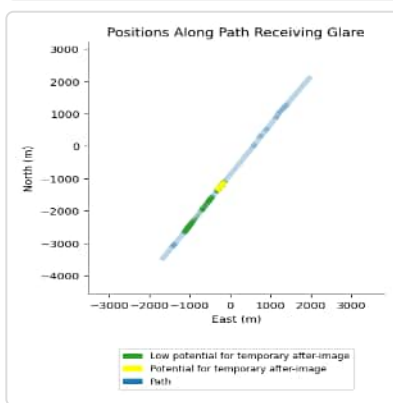
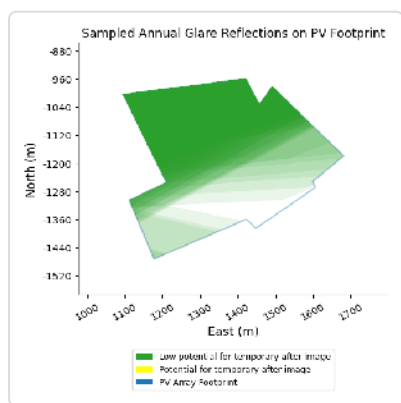
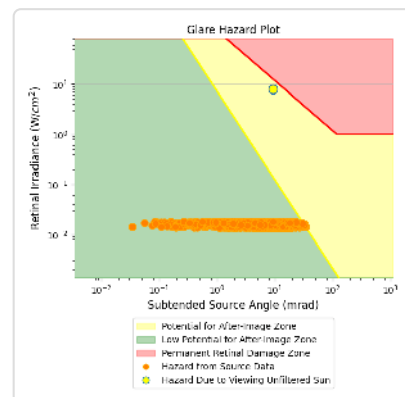
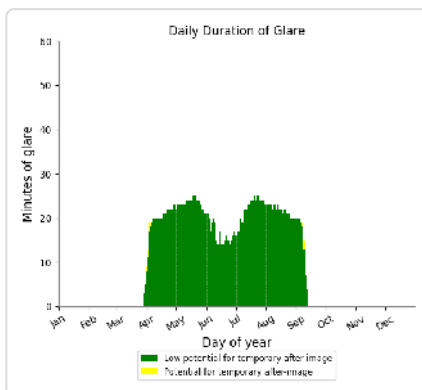
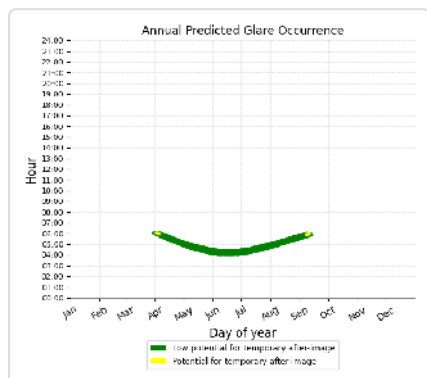
C3: Rail 3

No glare found

C3: Road 1

PV array is expected to produce the following glare for this receptor:

- 3,367 minutes of "green" glare with low potential to cause temporary after-image.
- 15 minutes of "yellow" glare with potential to cause temporary after-image.



C3: Road 2

No glare found

C3: Route 6

No glare found

C3: Route 7

No glare found

D1-2 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Bowldown Farm RWY04	0	0
FP: Bowldown Farm RWY09	2491	0
FP: Bowldown Farm RWY22	0	0
FP: Bowldown Farm RWY27	0	0
FP: Charlton Park RWY07	0	0
FP: Charlton Park RWY25	3007	0
FP: Langley House RWY 03	0	0
FP: Langley House RWY04	0	0
FP: Langley House RWY 21	0	0
FP: Langley House RWY22	0	0

OP: OP 1	1152	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	14081	17198
OP: OP 15	149790	73458
OP: OP 16	7381	20500
OP: OP 17	2065	2147
OP: OP 18	0	0
OP: OP 19	3356	2
OP: OP 20	3457	171
OP: OP 21	1391	0
OP: OP 22	1792	0
OP: OP 23	1793	0
OP: OP 24	1108	0
OP: OP 25	2562	0
OP: OP 26	3300	9013
OP: OP 27	25	0
OP: OP 28	32	0
OP: OP 29	38	0
OP: OP 30	49	0
OP: OP 31	50	0
OP: OP 32	33	0
OP: OP 33	39	0
Route: A429	507	0
Route: Rail 1	33	0
Route: Rail 2	3680	7505
Route: Rail 3	3514	5
Route: Road 1	107	0
Route: Road 2	130777	47498
Route: Route 6	362	0
Route: Route 7	0	0

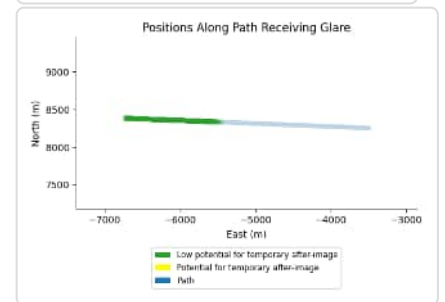
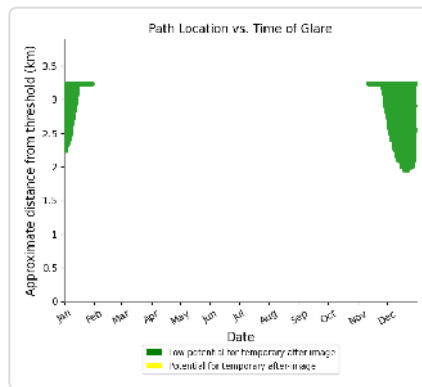
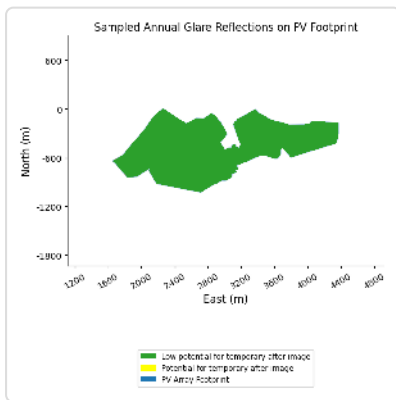
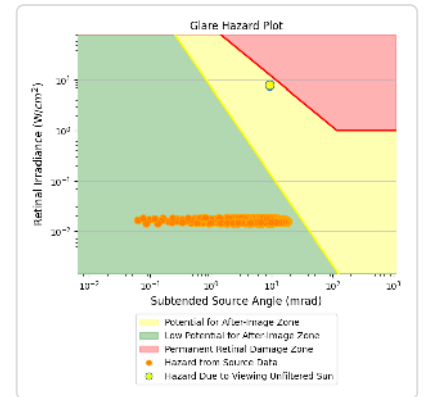
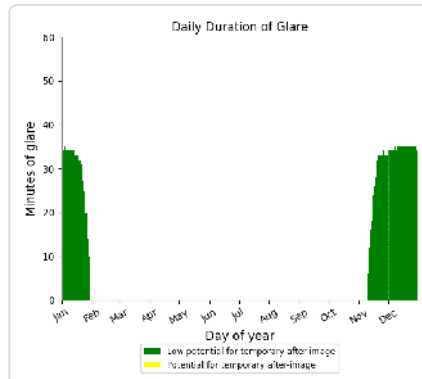
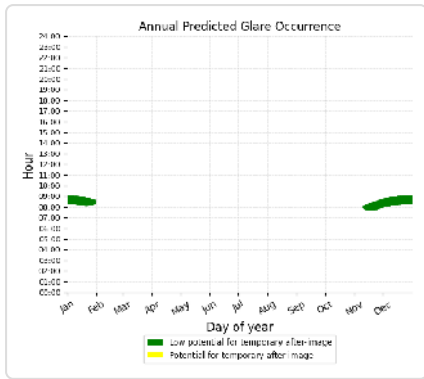
D1-2: Bowldown Farm RWY04

No glare found

D1-2: Bowldown Farm RWY09

PV array is expected to produce the following glare for this receptor:

- 2,491 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: Bowldown Farm RWY22

No glare found

D1-2: Bowldown Farm RWY27

No glare found

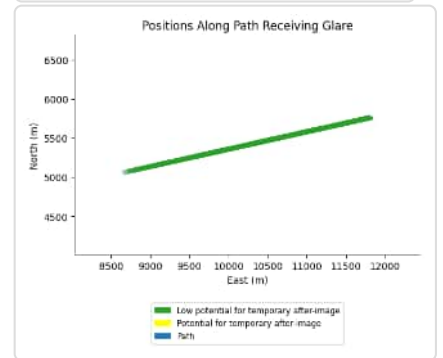
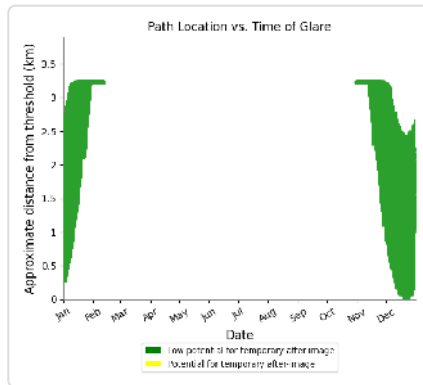
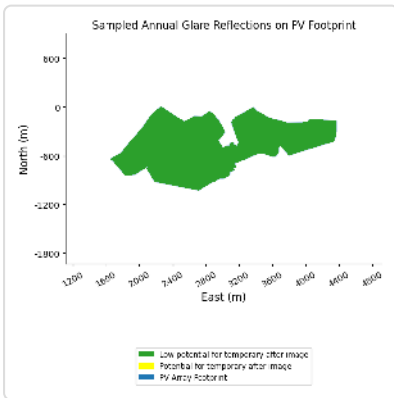
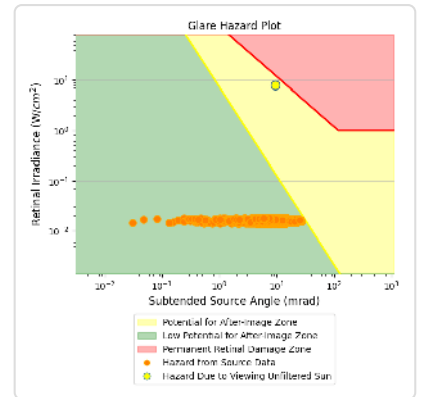
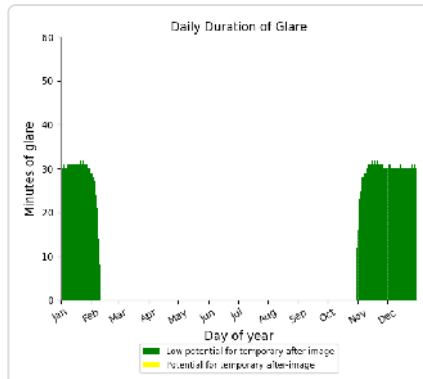
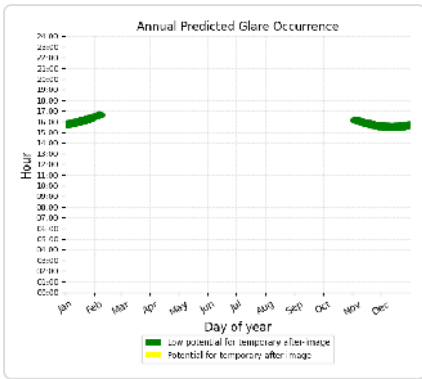
D1-2: Charlton Park RWY07

No glare found

D1-2: Charlton Park RWY25

PV array is expected to produce the following glare for this receptor:

- 3,007 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: Langley House RWY 03

No glare found

D1-2: Langley House RWY04

No glare found

D1-2: Langley House RWY 21

No glare found

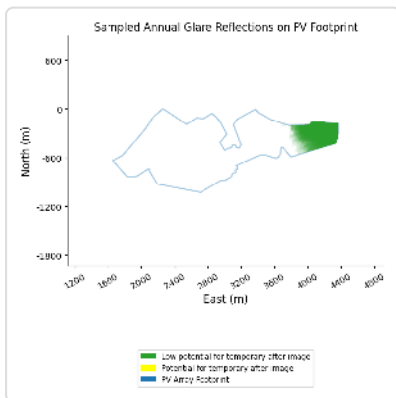
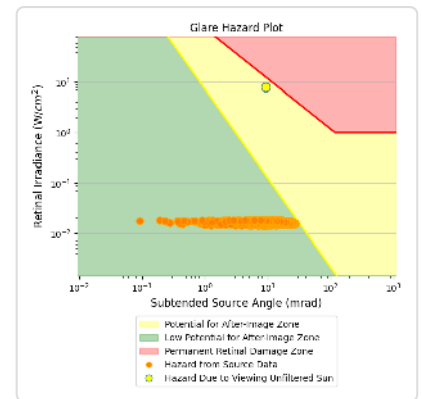
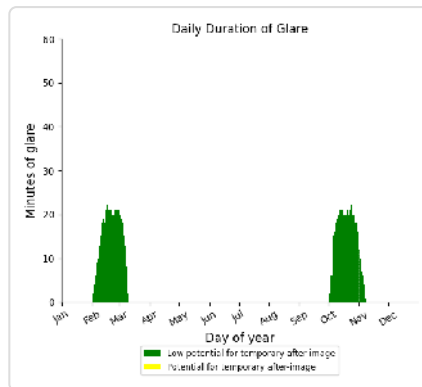
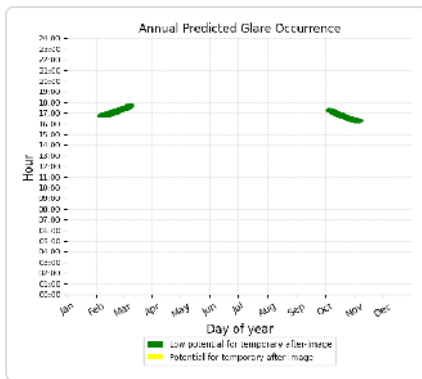
D1-2: Langley House RWY22

No glare found

D1-2: OP 1

PV array is expected to produce the following glare for this receptor:

- 1,152 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 2

No glare found

D1-2: OP 3

No glare found

D1-2: OP 4

No glare found

D1-2: OP 5

No glare found

D1-2: OP 6

No glare found

D1-2: OP 7

No glare found

D1-2: OP 8

No glare found

D1-2: OP 9

No glare found

D1-2: OP 10

No glare found

D1-2: OP 11

No glare found

D1-2: OP 12

No glare found

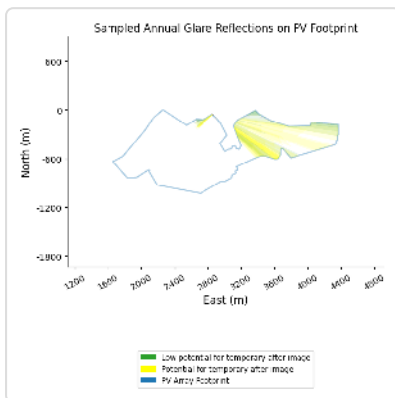
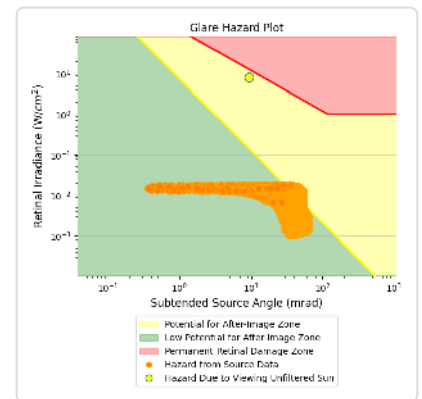
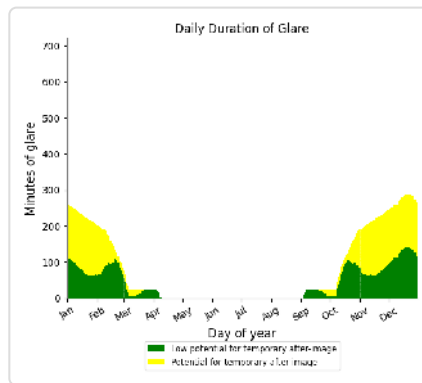
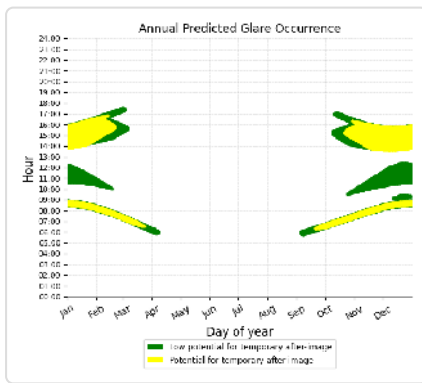
D1-2: OP 13

No glare found

D1-2: OP 14

PV array is expected to produce the following glare for this receptor:

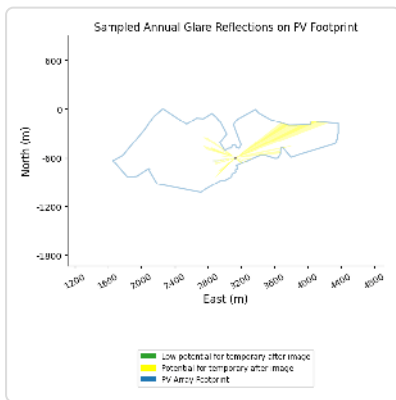
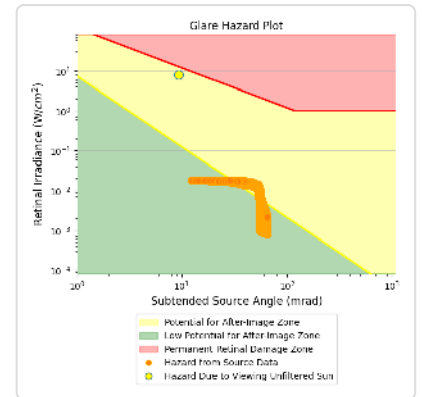
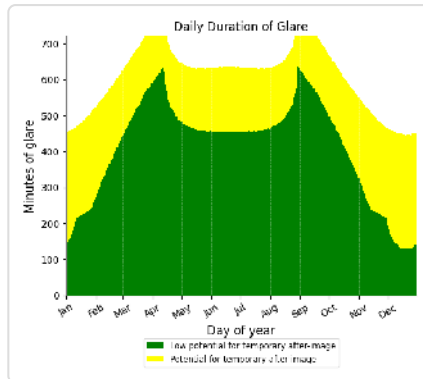
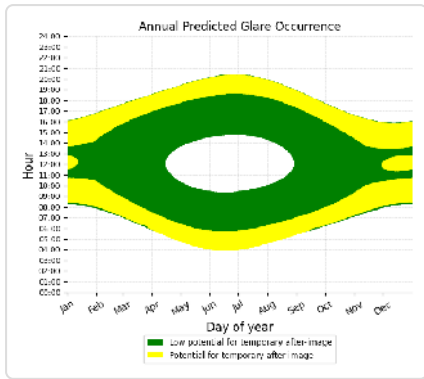
- 14,081 minutes of "green" glare with low potential to cause temporary after-image.
- 17,198 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 15

PV array is expected to produce the following glare for this receptor:

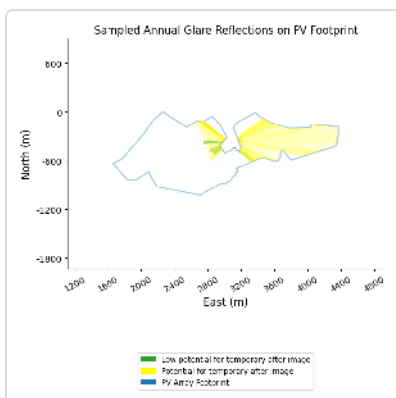
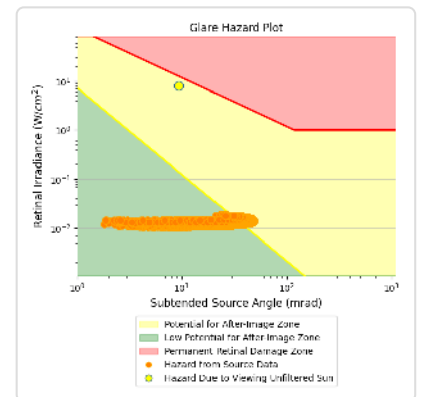
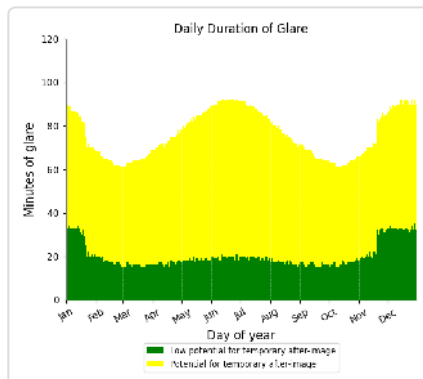
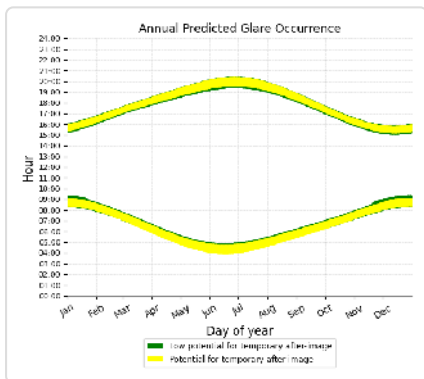
- 149,790 minutes of "green" glare with low potential to cause temporary after-image.
- 73,458 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 16

PV array is expected to produce the following glare for this receptor:

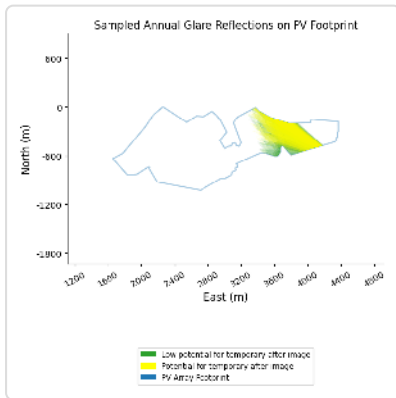
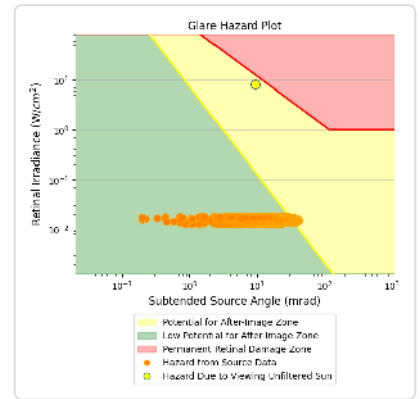
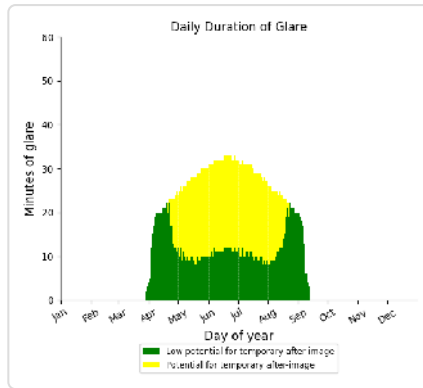
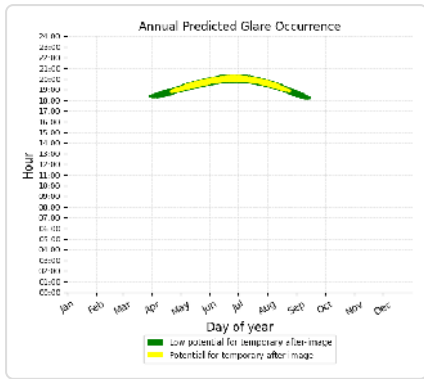
- 7,381 minutes of "green" glare with low potential to cause temporary after-image.
- 20,500 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 17

PV array is expected to produce the following glare for this receptor:

- 2,065 minutes of "green" glare with low potential to cause temporary after-image.
- 2,147 minutes of "yellow" glare with potential to cause temporary after-image.



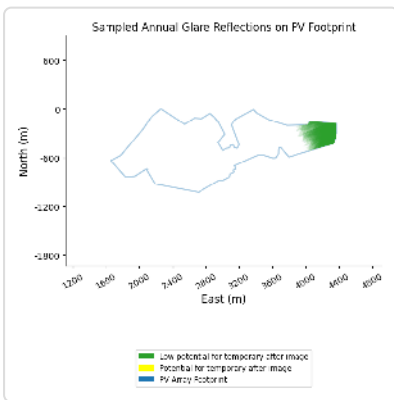
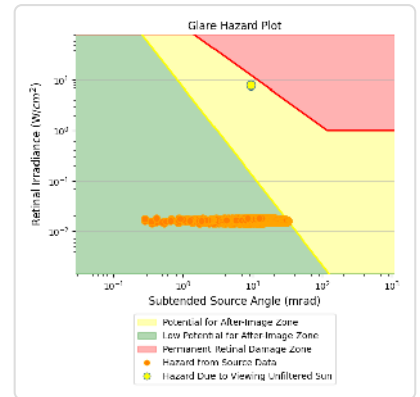
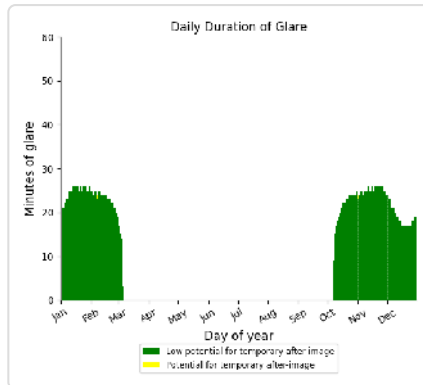
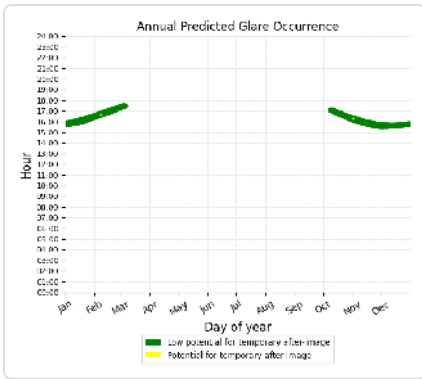
D1-2: OP 18

No glare found

D1-2: OP 19

PV array is expected to produce the following glare for this receptor:

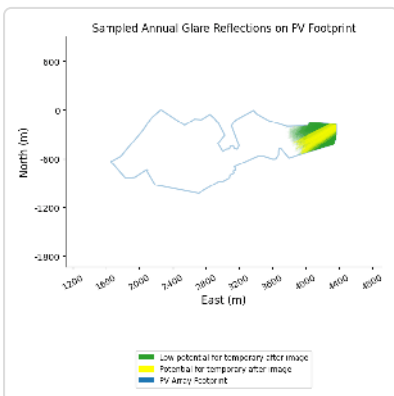
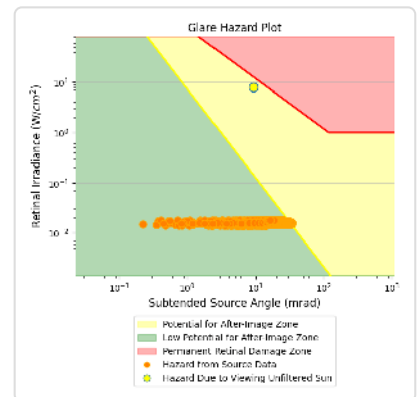
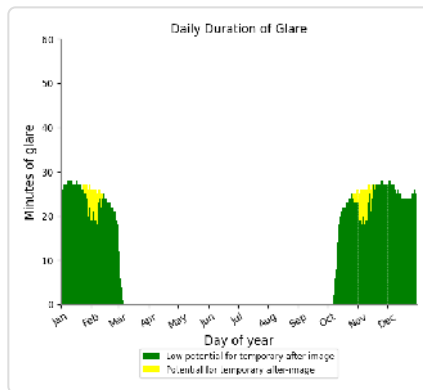
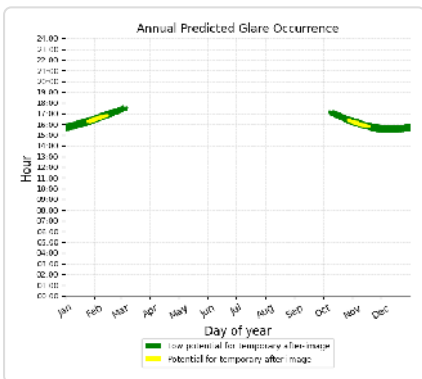
- 3,356 minutes of "green" glare with low potential to cause temporary after-image.
- 2 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 20

PV array is expected to produce the following glare for this receptor:

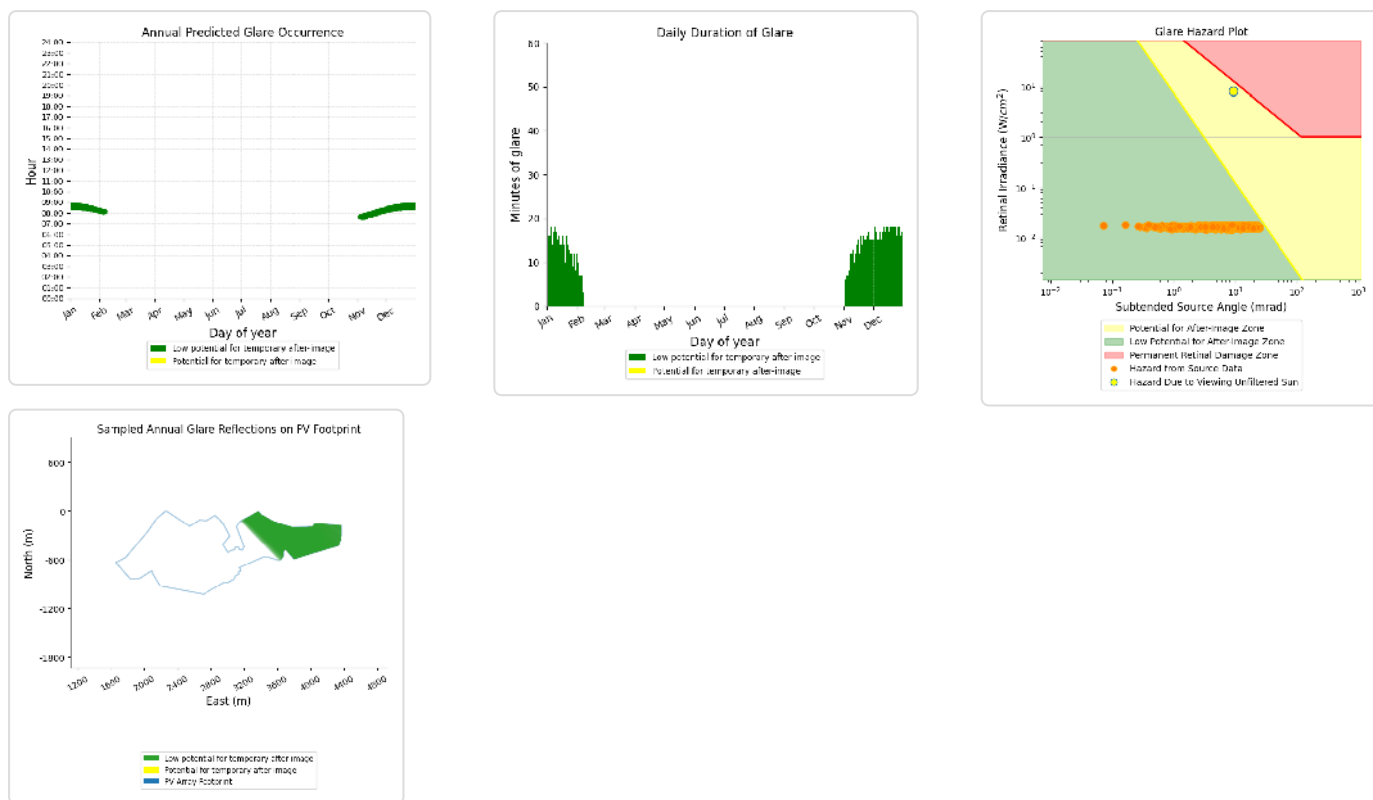
- 3,457 minutes of "green" glare with low potential to cause temporary after-image.
- 171 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 21

PV array is expected to produce the following glare for this receptor:

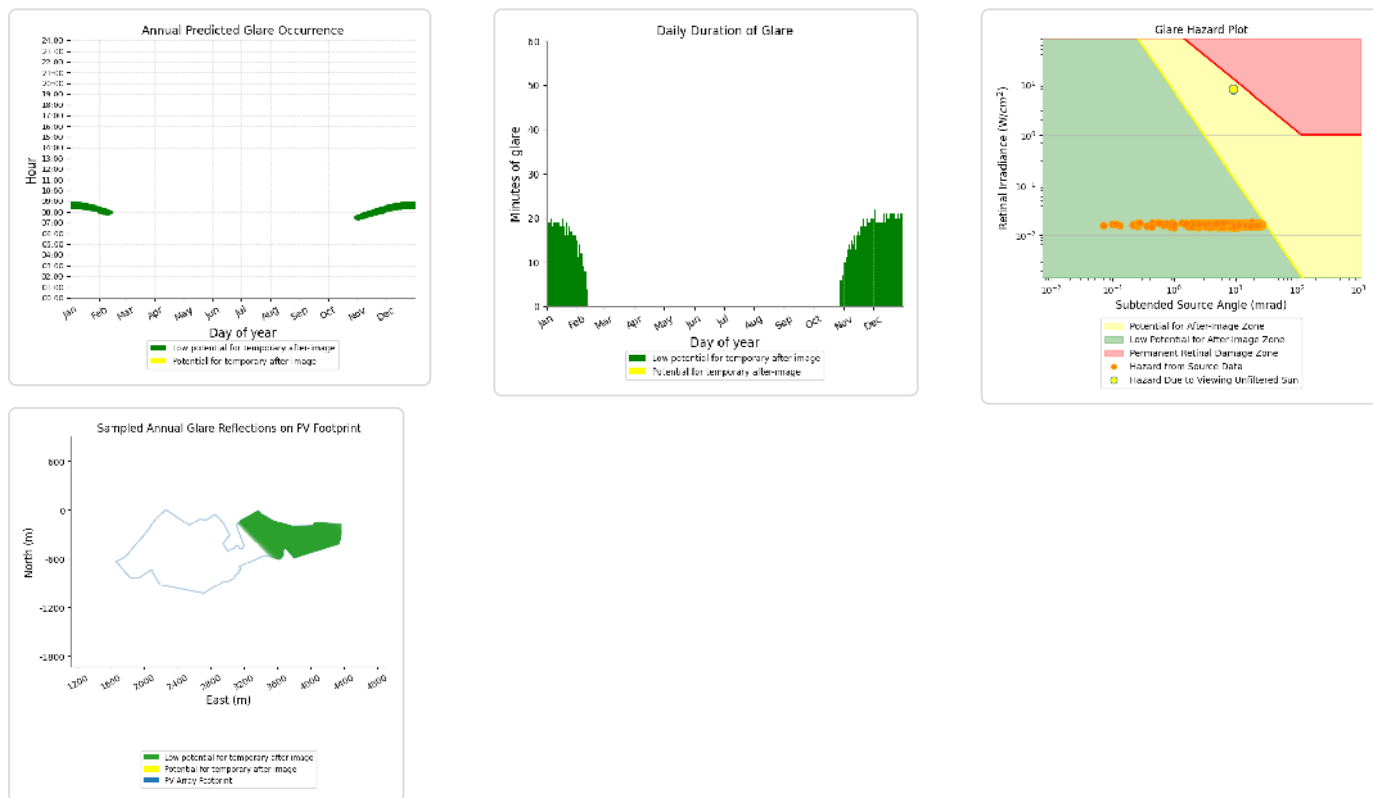
- 1,391 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 22

PV array is expected to produce the following glare for this receptor:

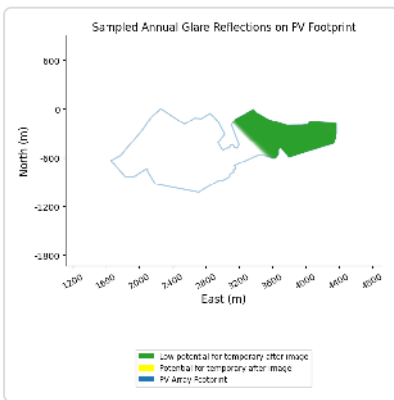
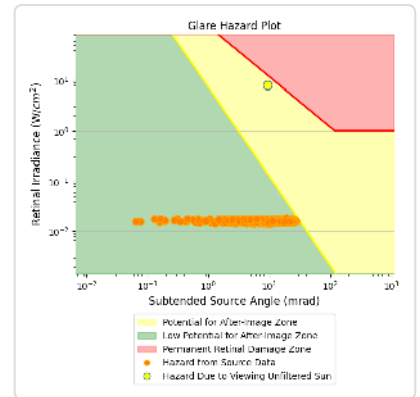
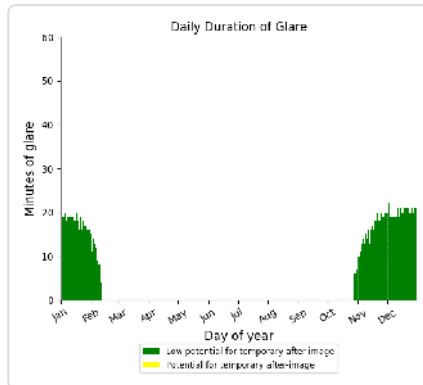
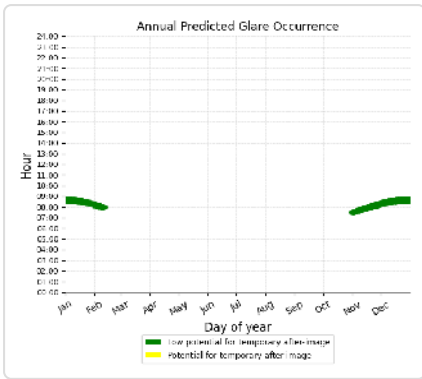
- 1,792 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 23

PV array is expected to produce the following glare for this receptor:

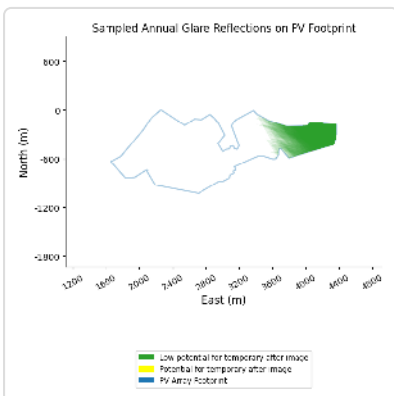
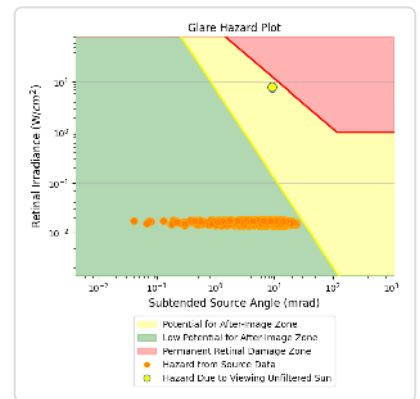
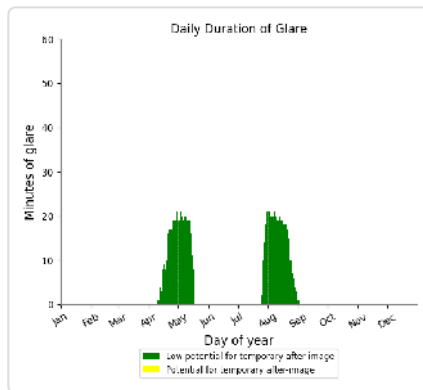
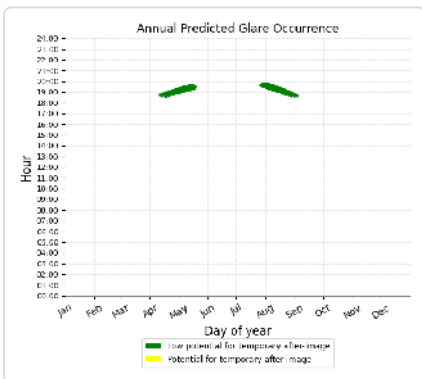
- 1,793 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 24

PV array is expected to produce the following glare for this receptor:

- 1,108 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 25

PV array is expected to produce the following glare for this receptor:

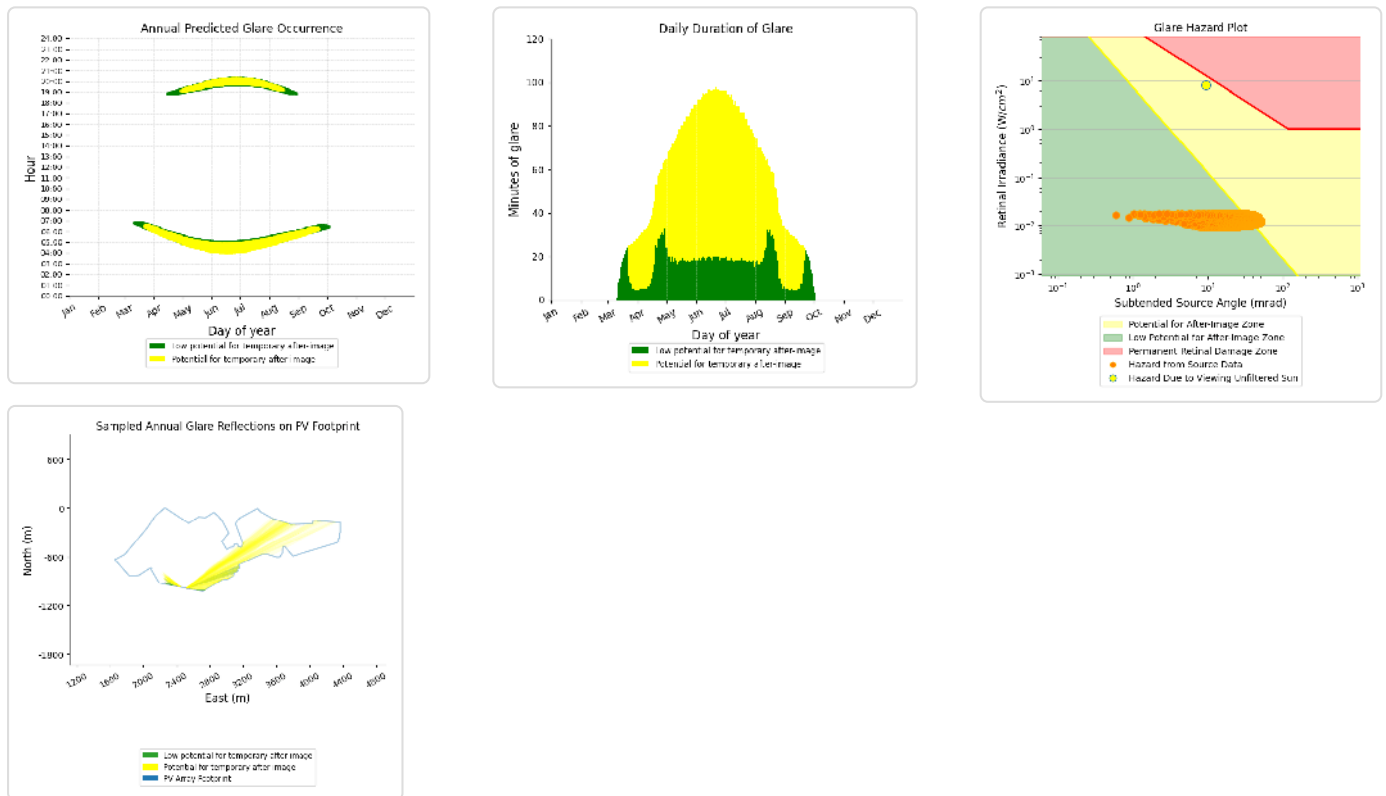
- 2,562 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 26

PV array is expected to produce the following glare for this receptor:

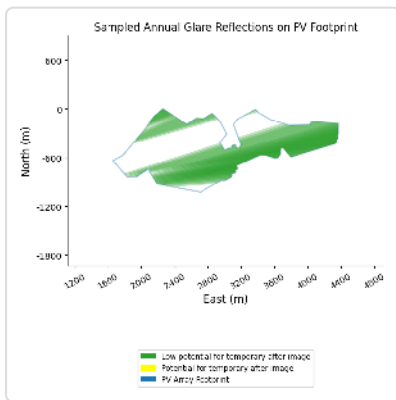
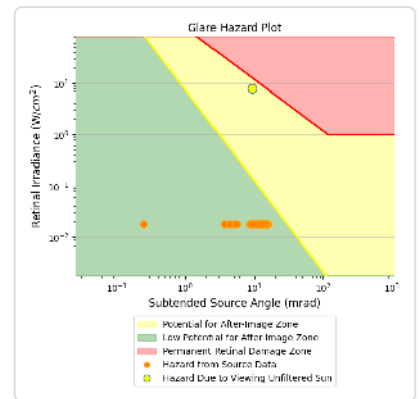
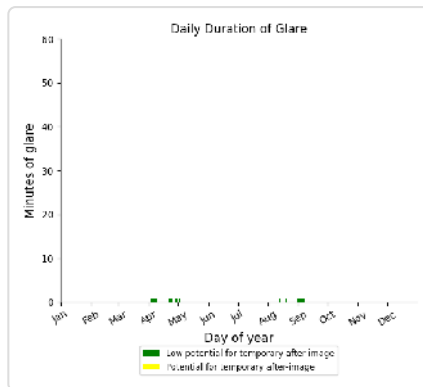
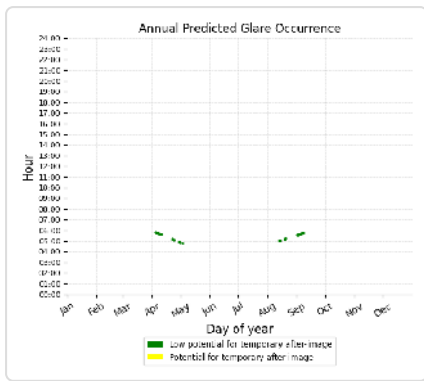
- 3,300 minutes of "green" glare with low potential to cause temporary after-image.
- 9,013 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 27

PV array is expected to produce the following glare for this receptor:

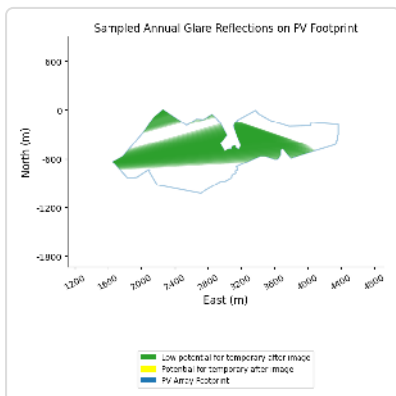
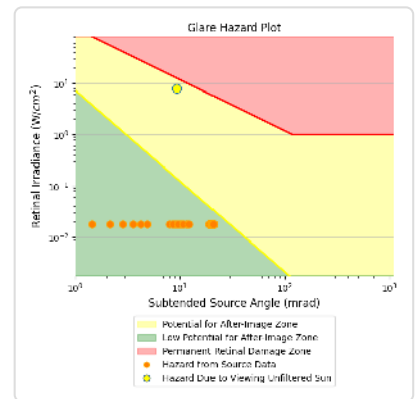
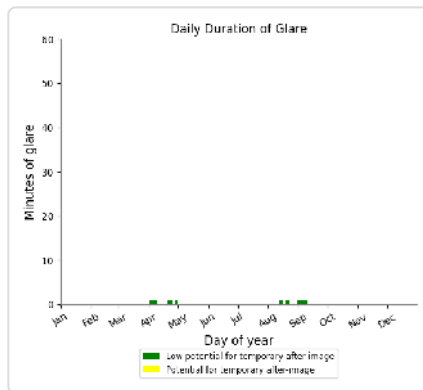
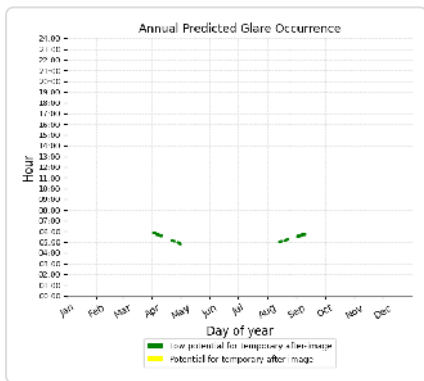
- 25 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 28

PV array is expected to produce the following glare for this receptor:

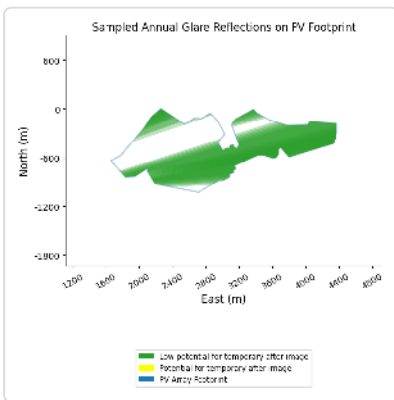
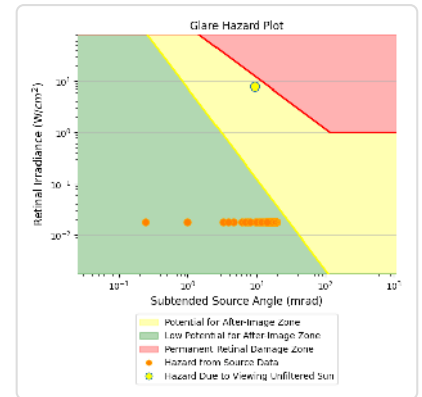
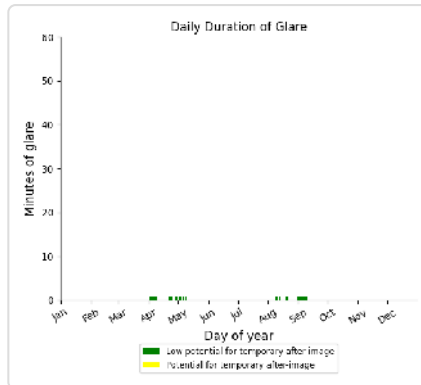
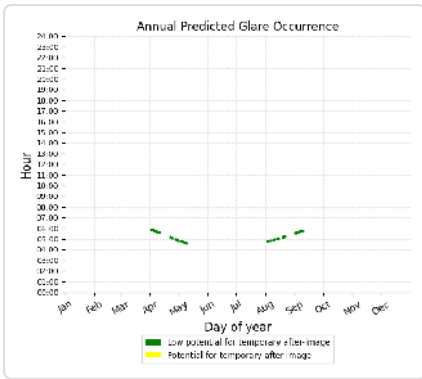
- 32 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 29

PV array is expected to produce the following glare for this receptor:

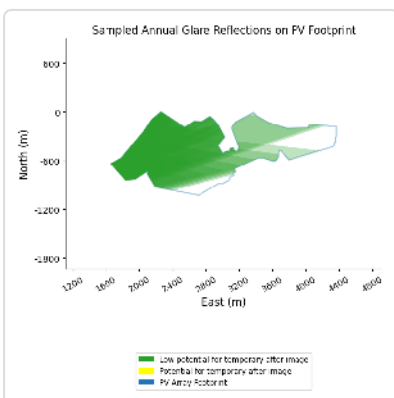
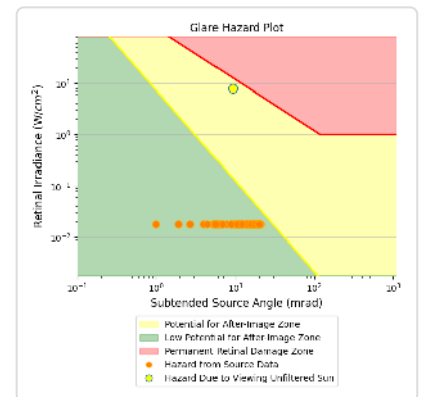
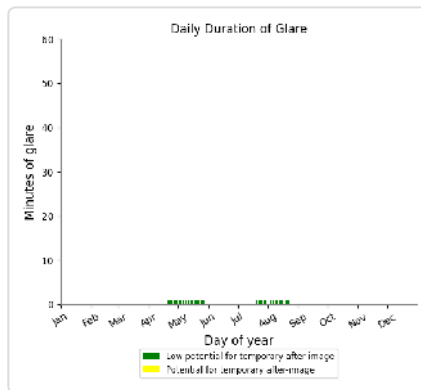
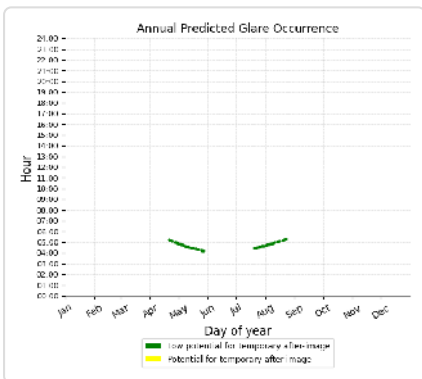
- 38 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 30

PV array is expected to produce the following glare for this receptor:

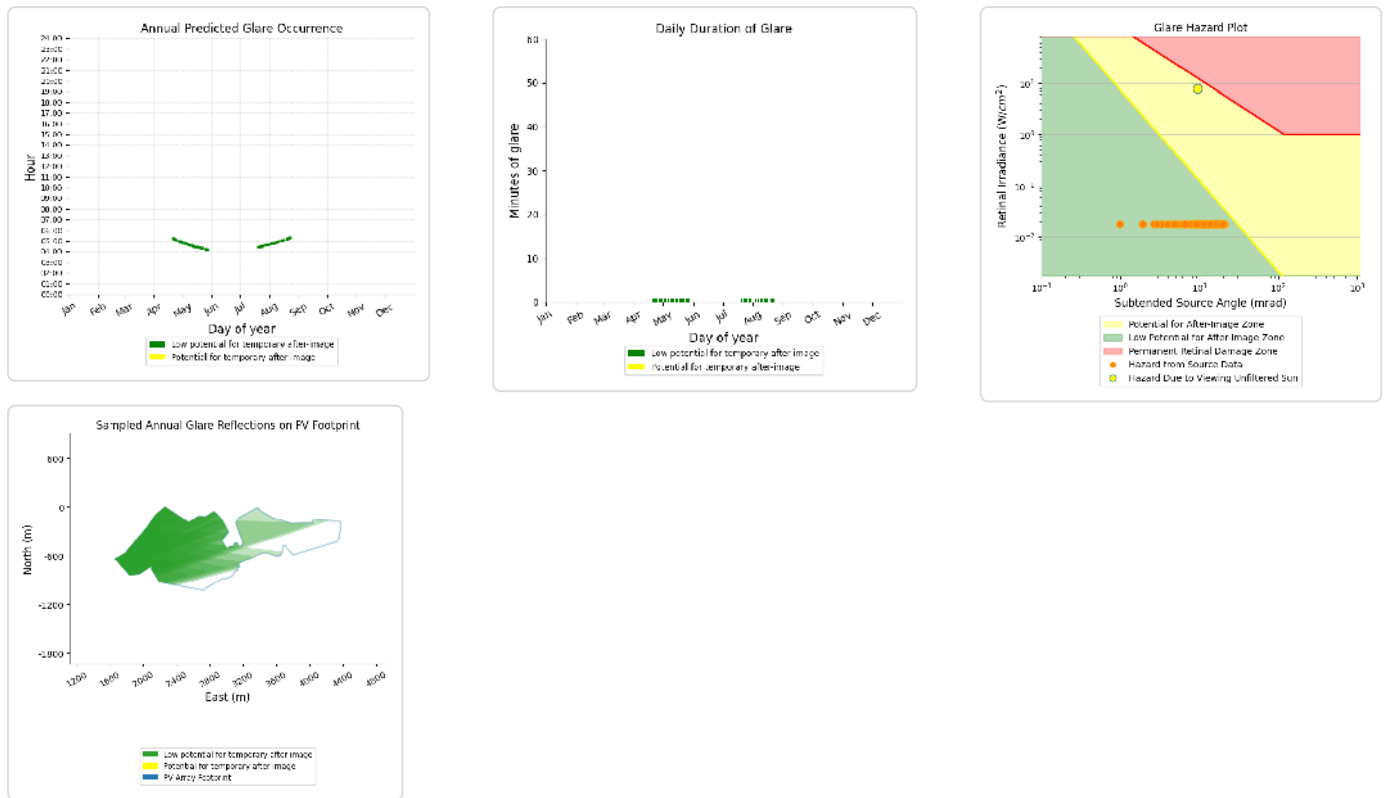
- 49 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 31

PV array is expected to produce the following glare for this receptor:

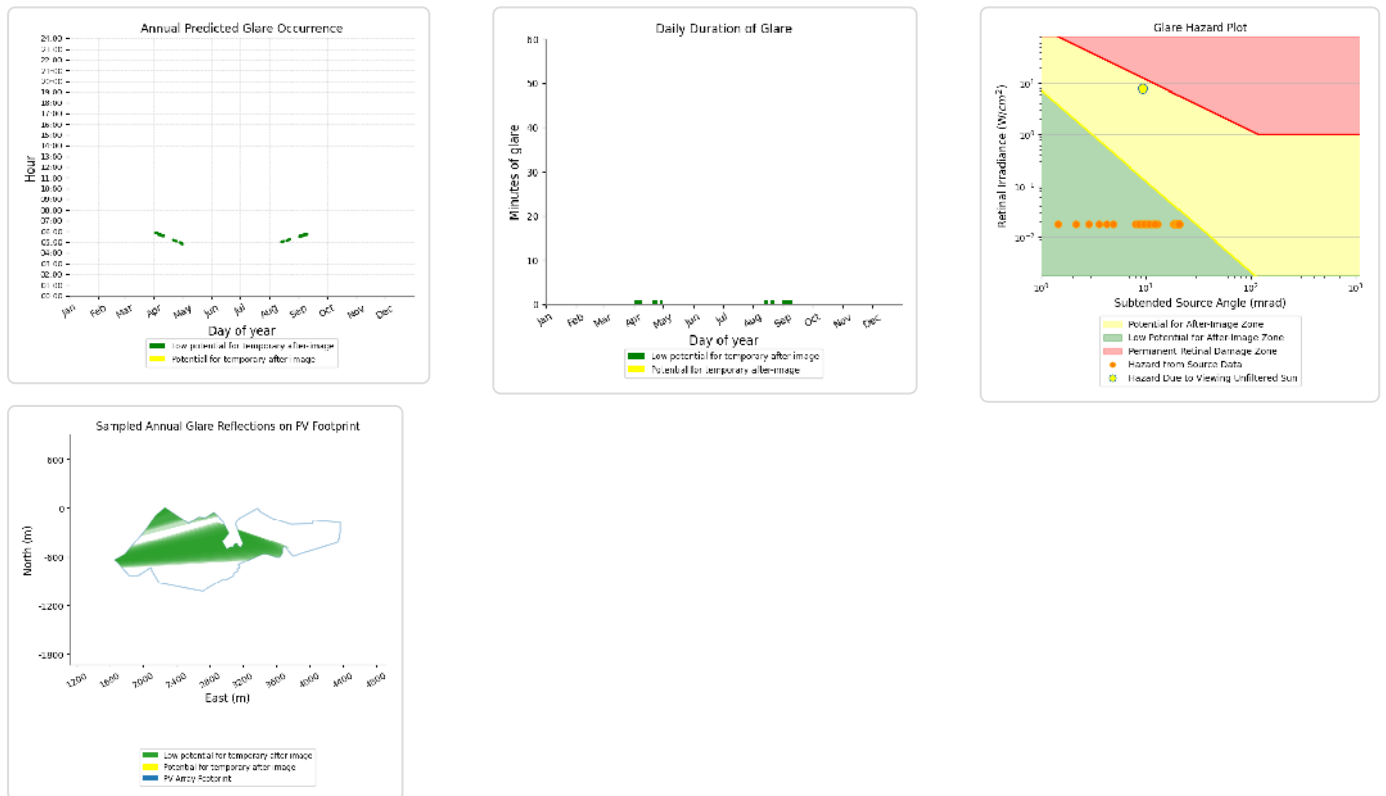
- 50 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 32

PV array is expected to produce the following glare for this receptor:

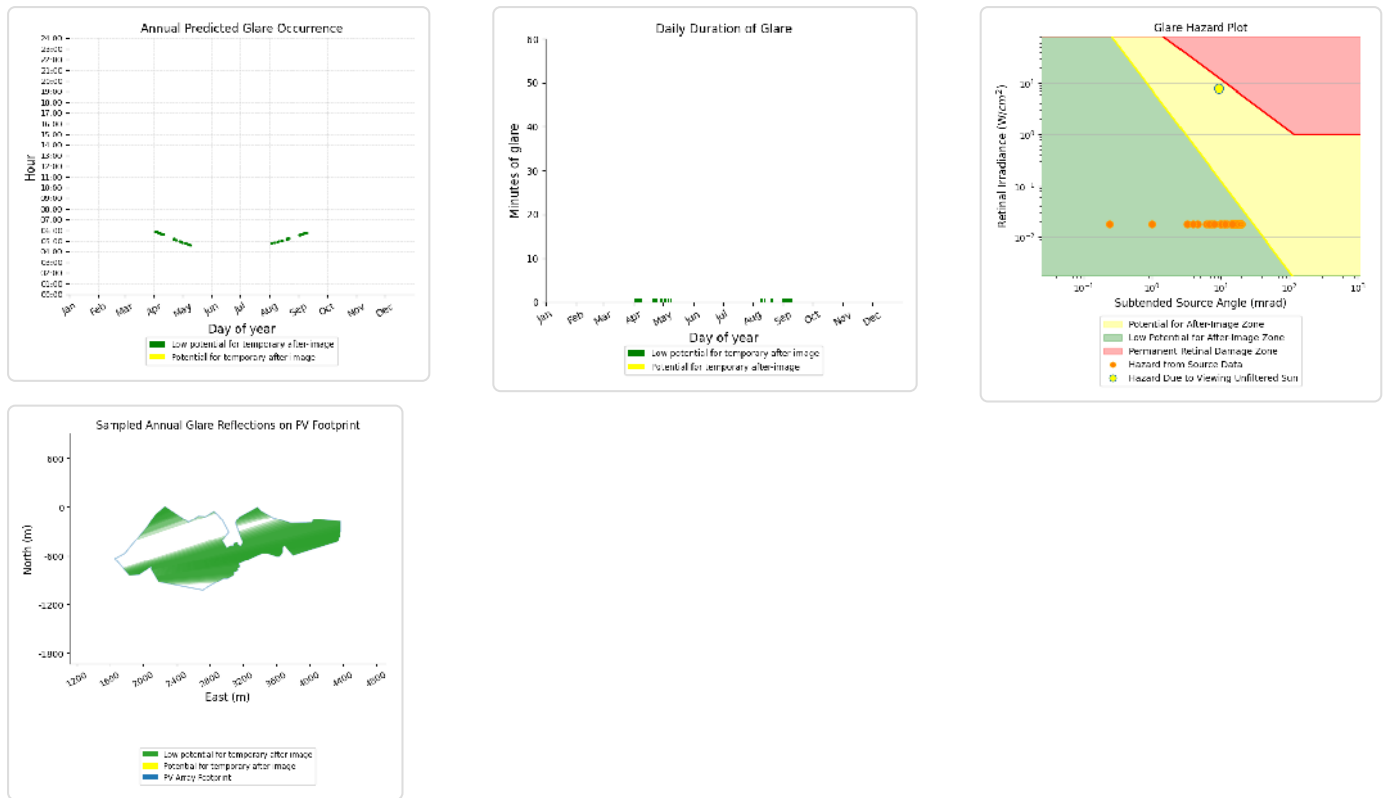
- 33 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: OP 33

PV array is expected to produce the following glare for this receptor:

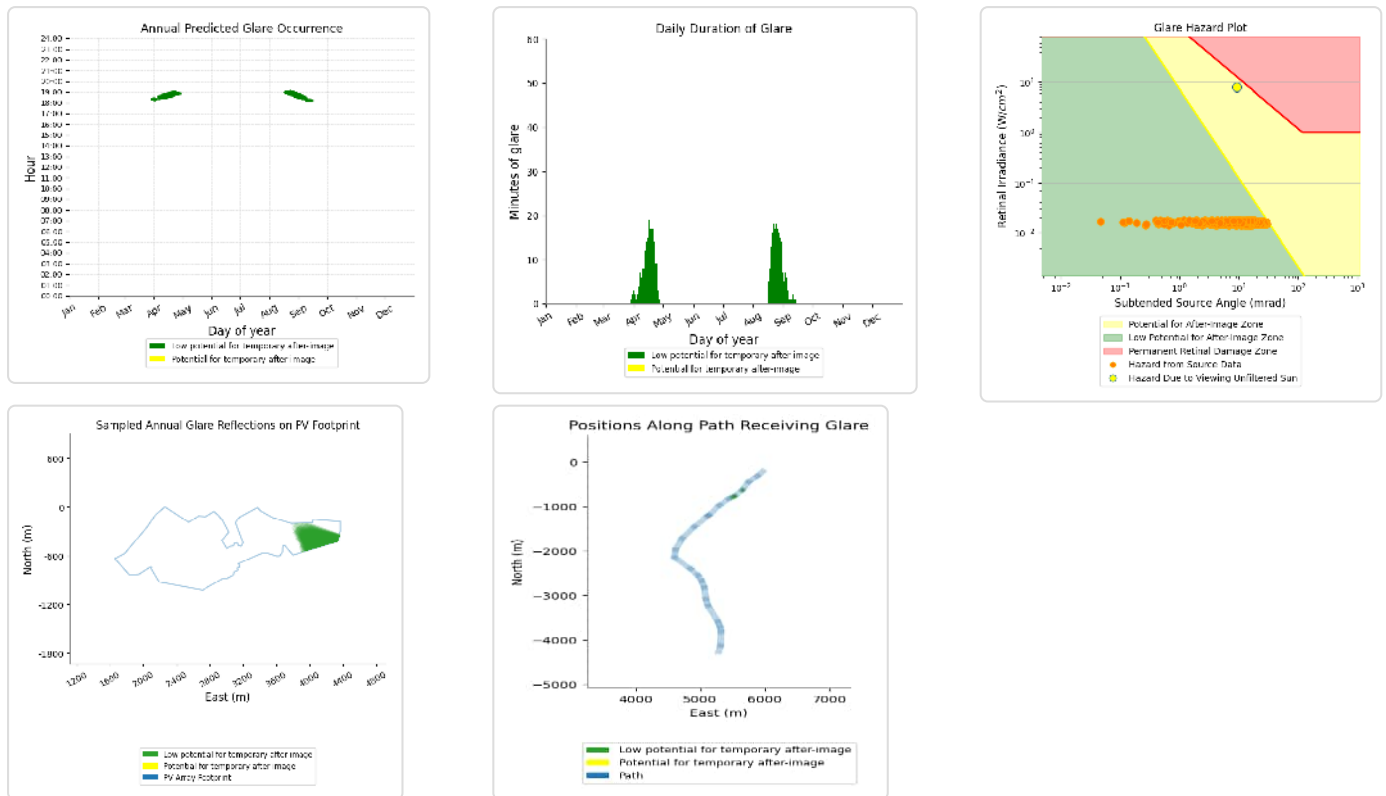
- 39 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: A429

PV array is expected to produce the following glare for this receptor:

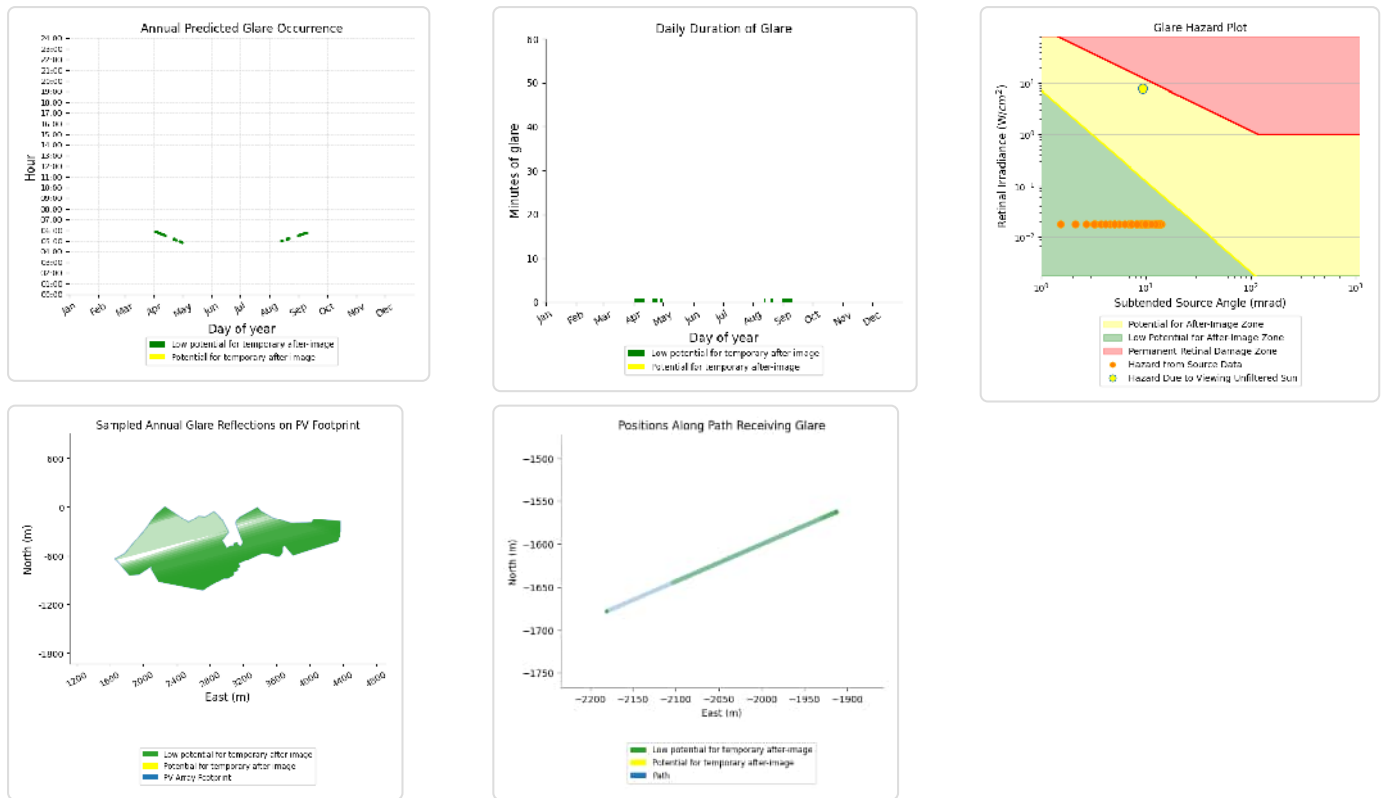
- 507 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: Rail 1

PV array is expected to produce the following glare for this receptor:

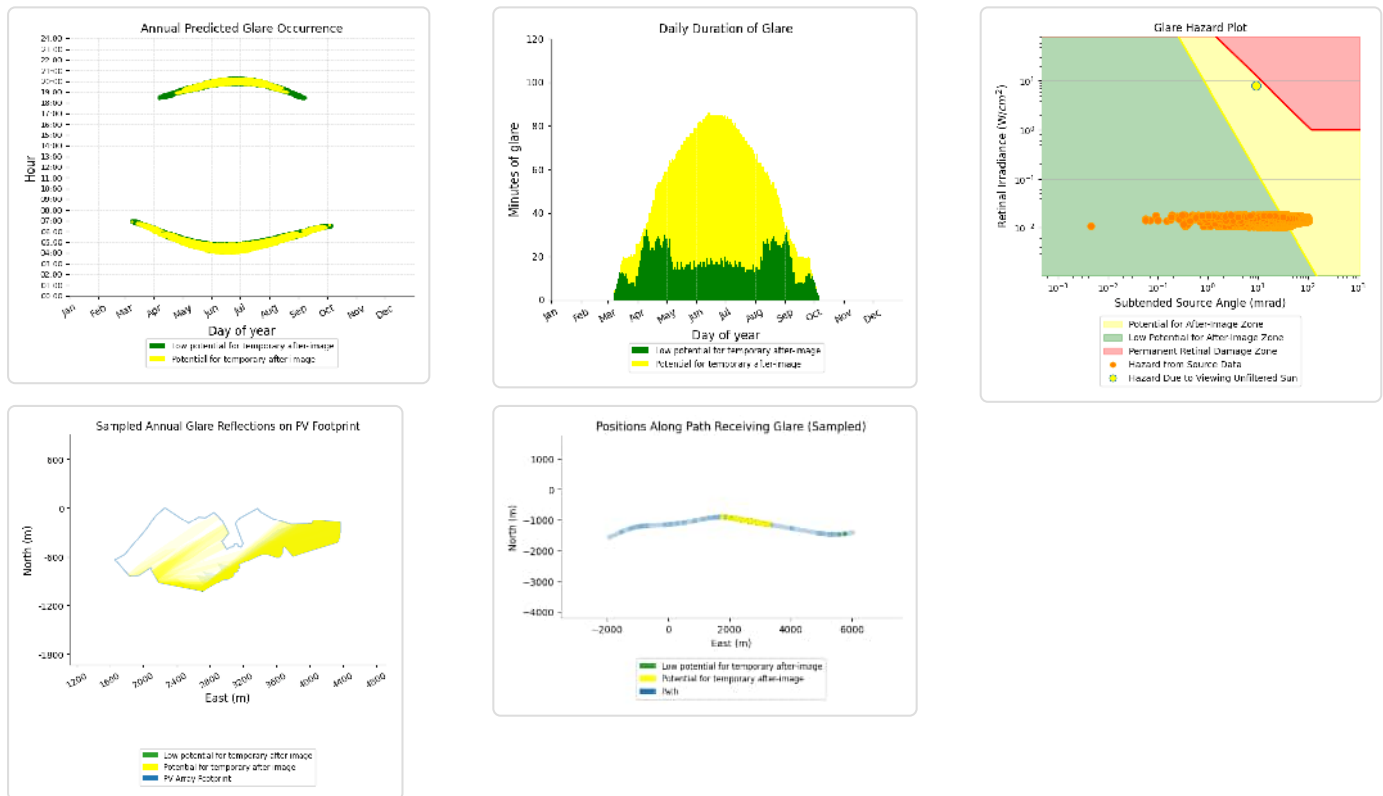
- 33 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: Rail 2

PV array is expected to produce the following glare for this receptor:

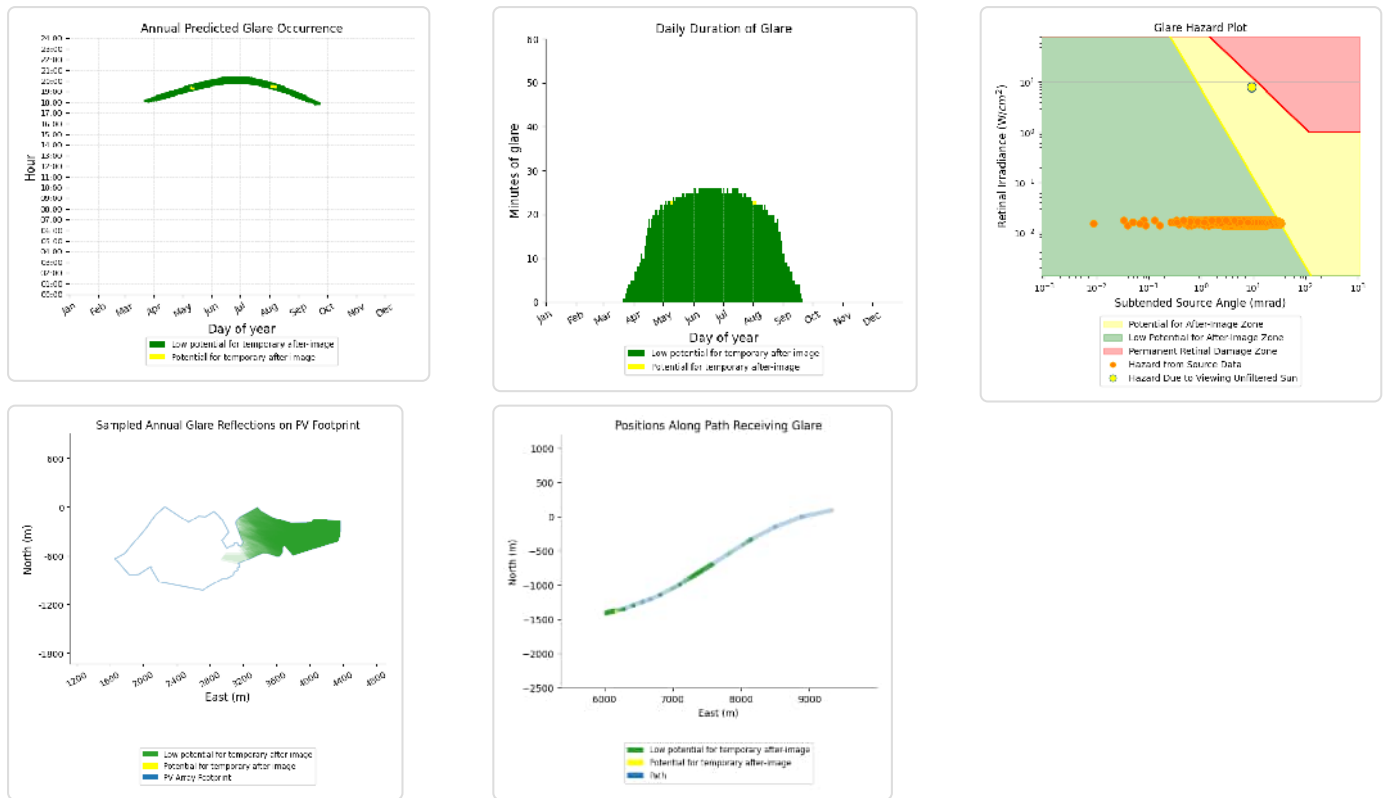
- 3,680 minutes of "green" glare with low potential to cause temporary after-image.
- 7,505 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: Rail 3

PV array is expected to produce the following glare for this receptor:

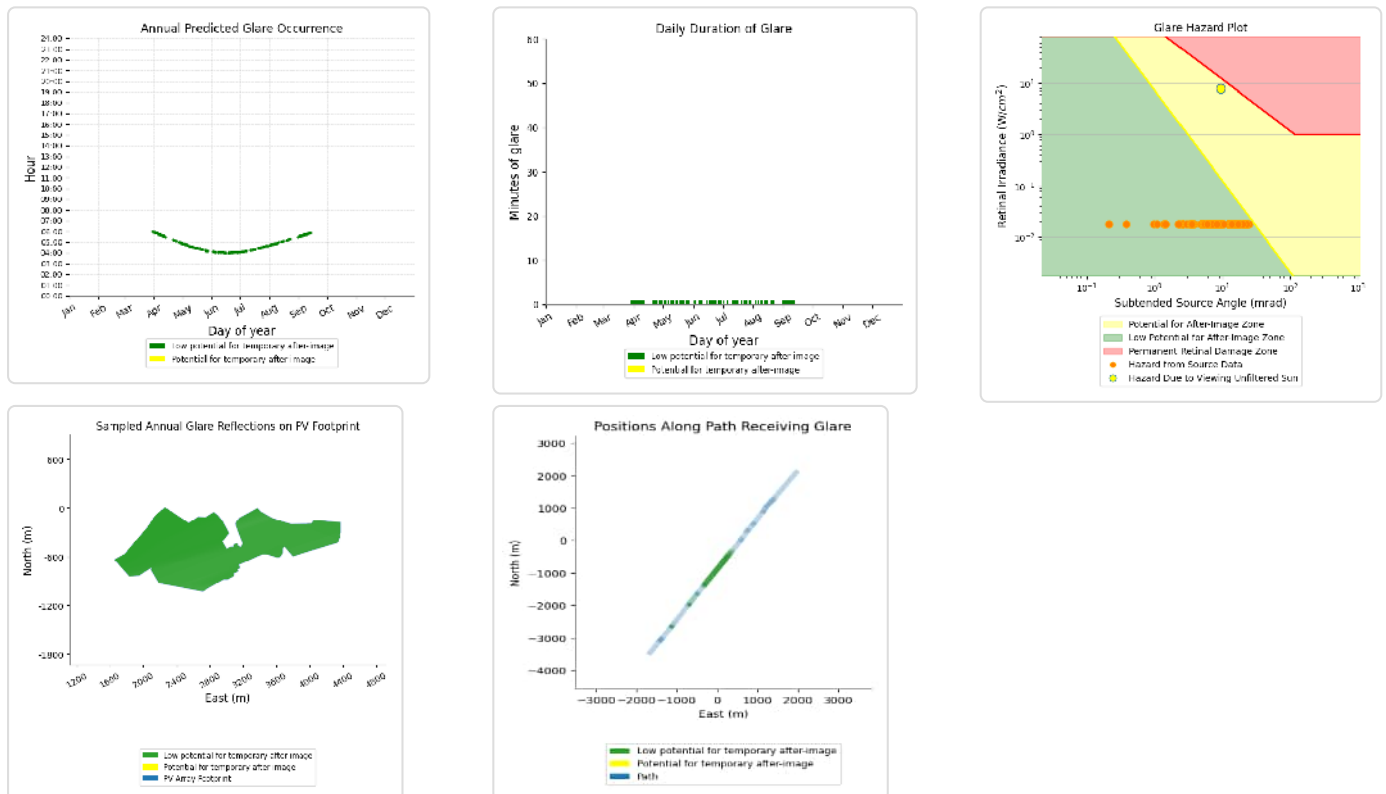
- 3,514 minutes of "green" glare with low potential to cause temporary after-image.
- 5 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: Road 1

PV array is expected to produce the following glare for this receptor:

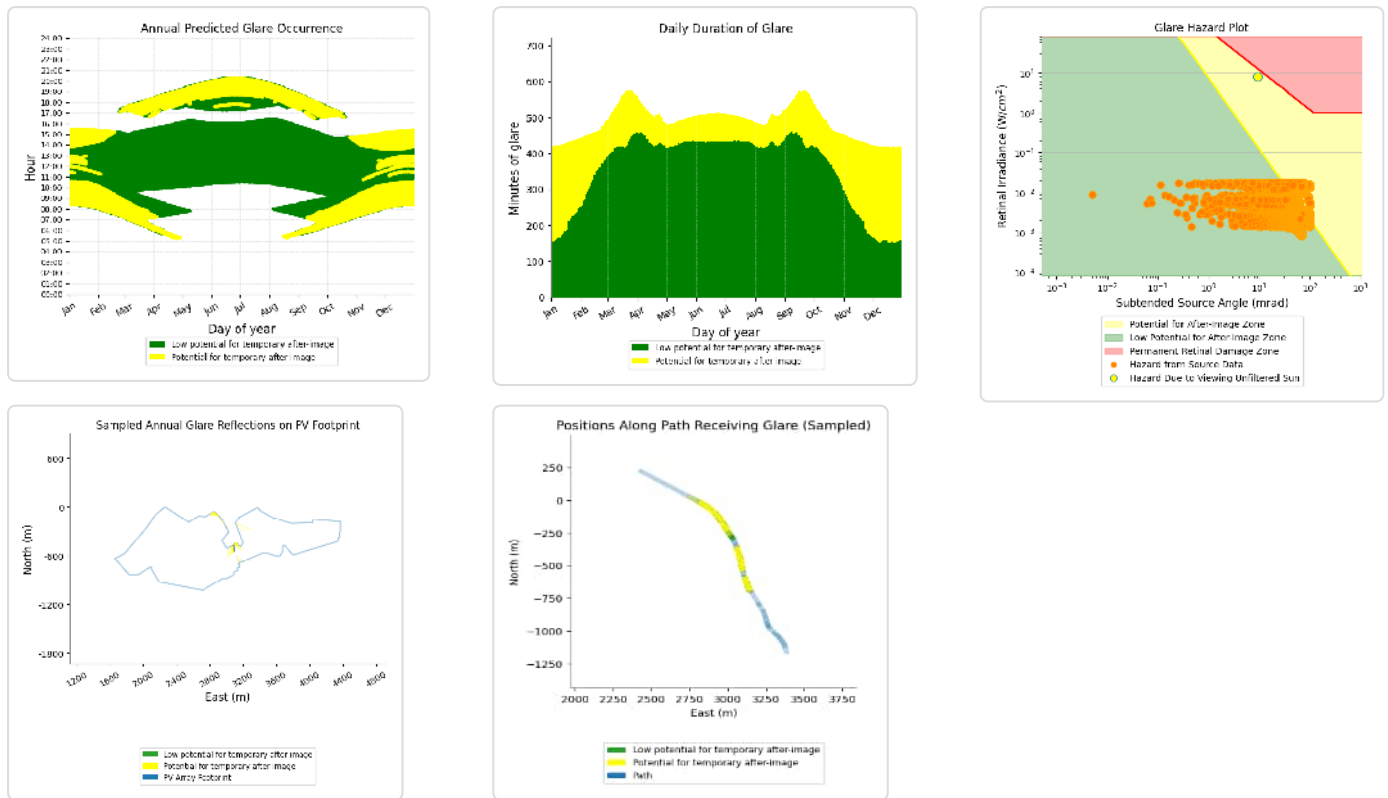
- 107 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: Road 2

PV array is expected to produce the following glare for this receptor:

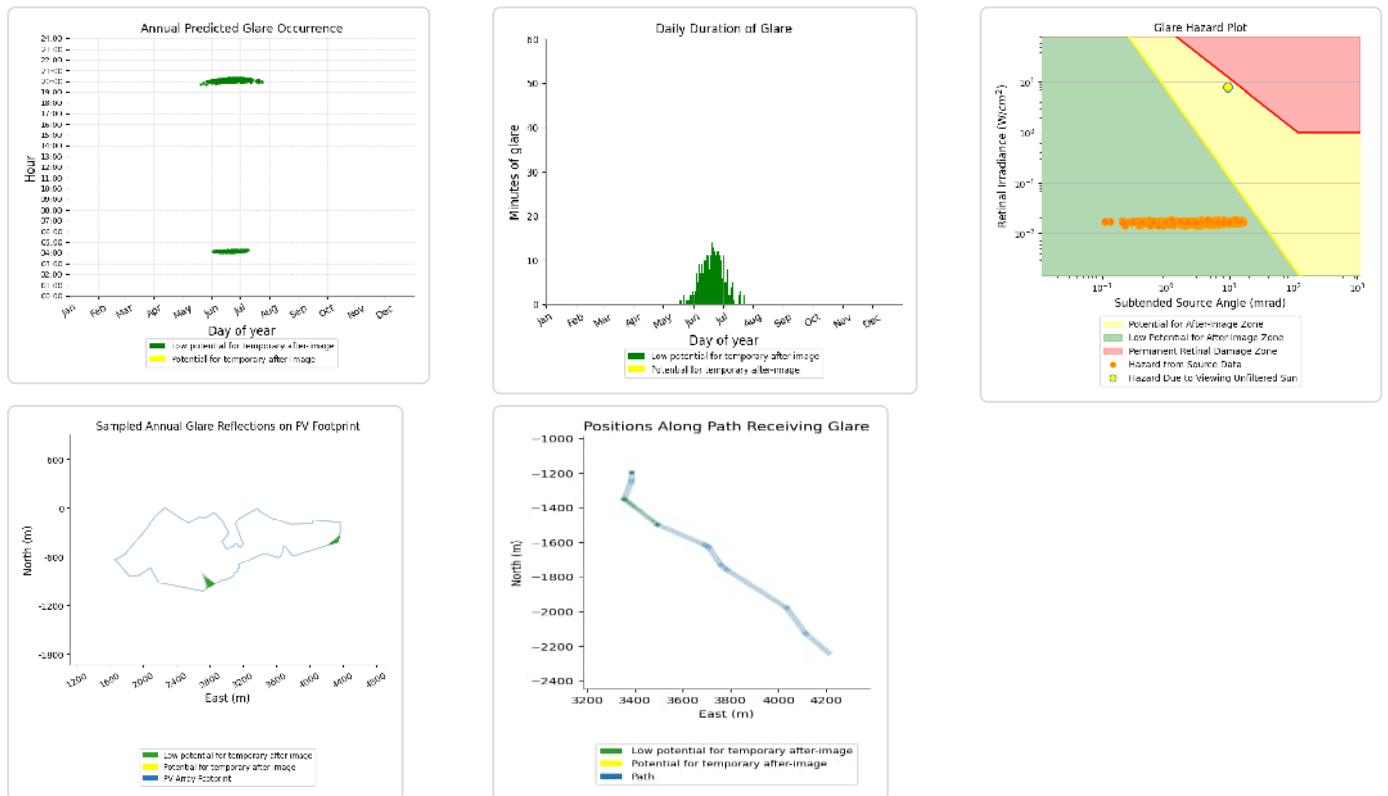
- 130,777 minutes of "green" glare with low potential to cause temporary after-image.
- 47,498 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: Route 6

PV array is expected to produce the following glare for this receptor:

- 362 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D1-2: Route 7*No glare found***D3** potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Bowldown Farm RWY04	0	0
FP: Bowldown Farm RWY09	2522	0
FP: Bowldown Farm RWY22	0	0
FP: Bowldown Farm RWY27	0	0
FP: Charlton Park RWY07	0	0
FP: Charlton Park RWY25	2137	0
FP: Langley House RWY 03	0	0
FP: Langley House RWY04	0	0
FP: Langley House RWY 21	0	0
FP: Langley House RWY22	0	0
OP: OP 1	1861	35
OP: OP 2	355	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	3963	0
OP: OP 15	3504	54
OP: OP 16	3911	0
OP: OP 17	102557	72374
OP: OP 18	1258	0
OP: OP 19	1574	0
OP: OP 20	1030	0
OP: OP 21	2601	0
OP: OP 22	2893	0
OP: OP 23	2894	0
OP: OP 24	288	0
OP: OP 25	373	0
OP: OP 26	2062	0
OP: OP 27	706	0
OP: OP 28	1047	0
OP: OP 29	921	0
OP: OP 30	935	0
OP: OP 31	940	0
OP: OP 32	1052	0
OP: OP 33	937	0
Route: A429	24	0
Route: Rail 1	806	0

Route: Rail 2	2183	3238
Route: Rail 3	410	0
Route: Road 1	2083	0
Route: Road 2	4783	5
Route: Route 6	591	2027
Route: Route 7	1057	1418

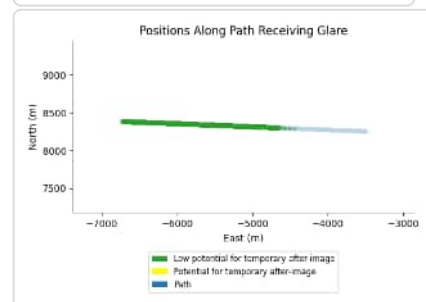
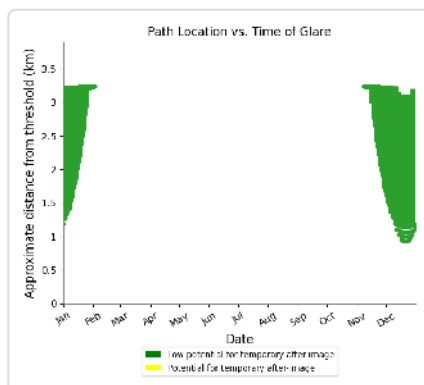
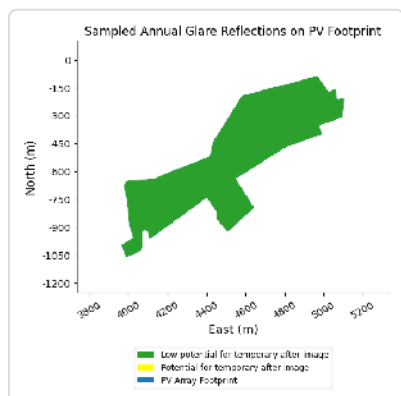
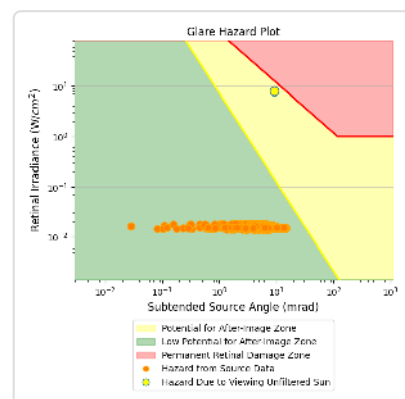
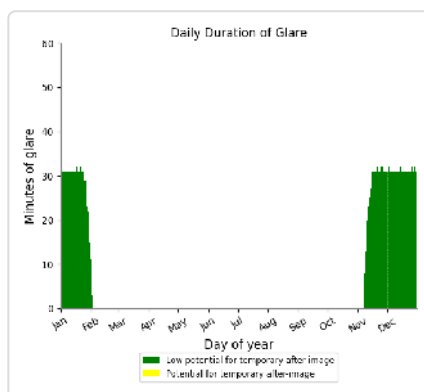
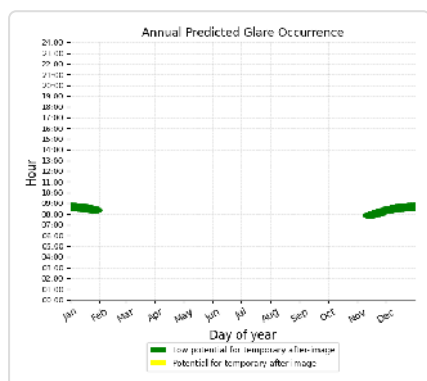
D3: Bowldown Farm RWY04

No glare found

D3: Bowldown Farm RWY09

PV array is expected to produce the following glare for this receptor:

- 2,522 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: Bowldown Farm RWY22

No glare found

D3: Bowldown Farm RWY27

No glare found

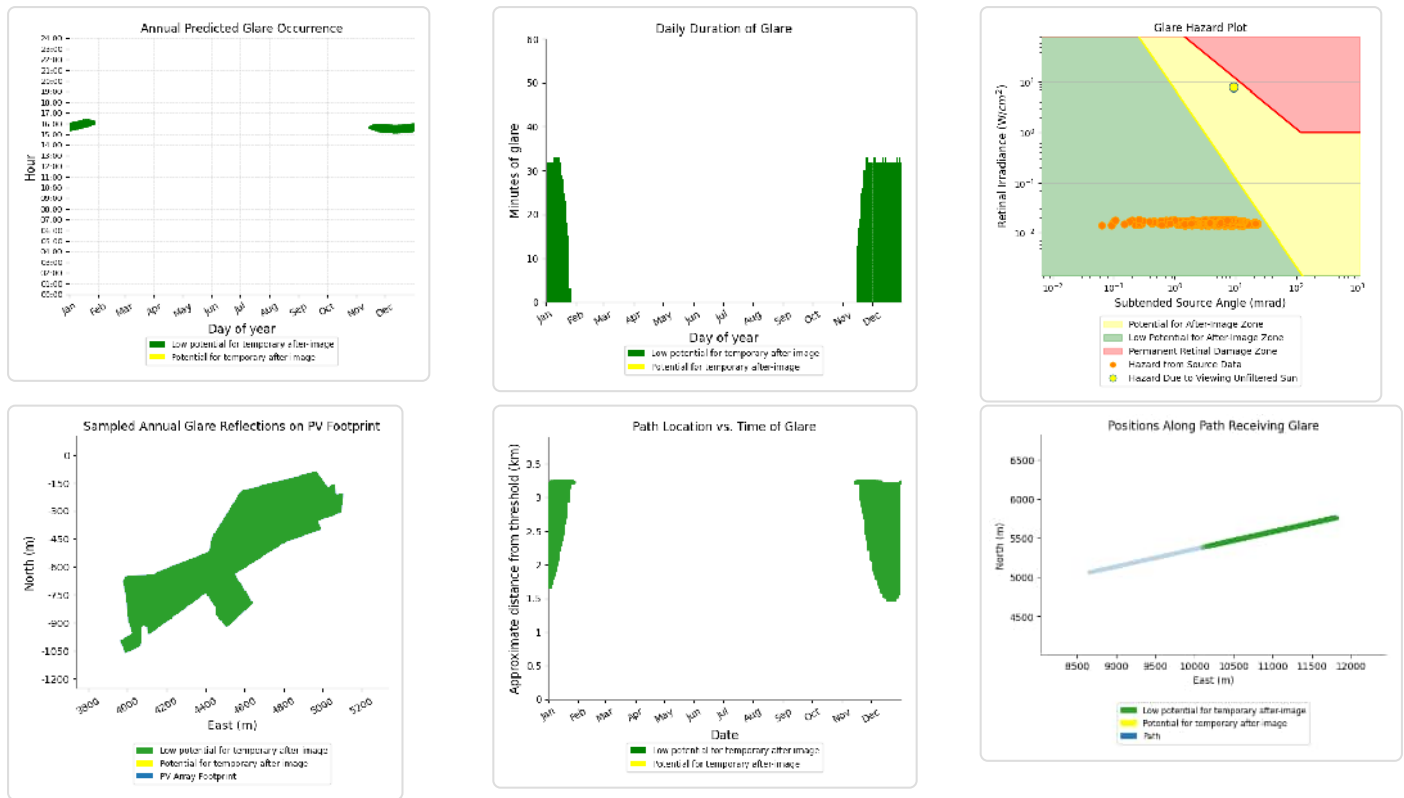
D3: Charlton Park RWY07

No glare found

D3: Charlton Park RWY25

PV array is expected to produce the following glare for this receptor:

- 2,137 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: Langley House RWY 03

No glare found

D3: Langley House RWY04

No glare found

D3: Langley House RWY 21

No glare found

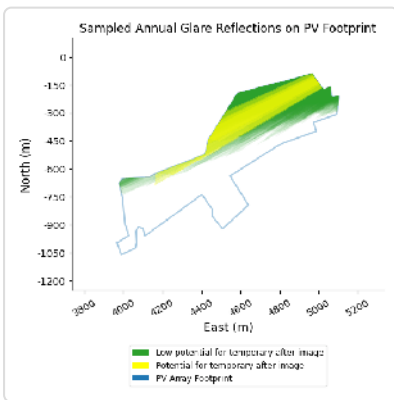
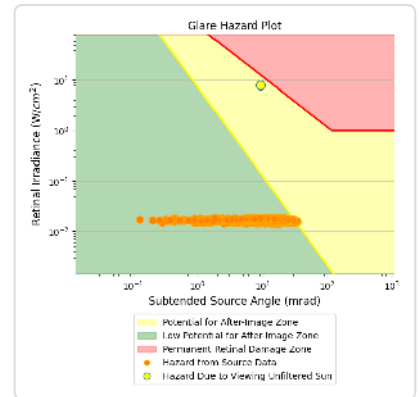
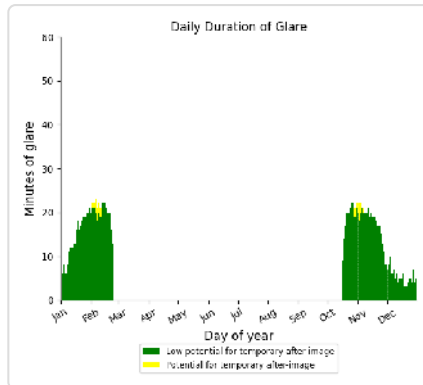
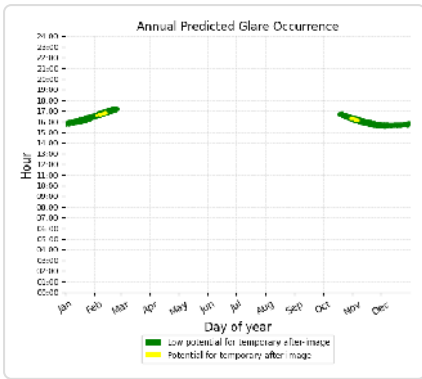
D3: Langley House RWY22

No glare found

D3: OP 1

PV array is expected to produce the following glare for this receptor:

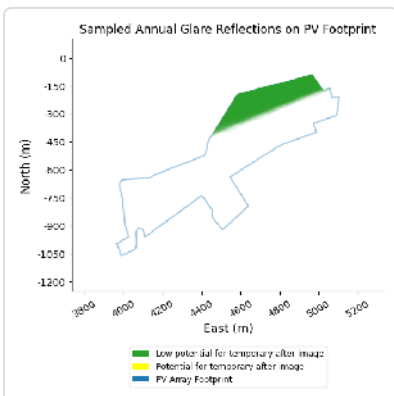
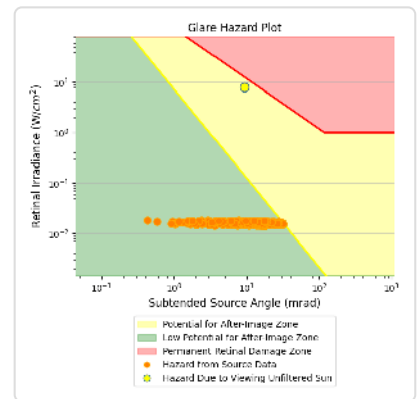
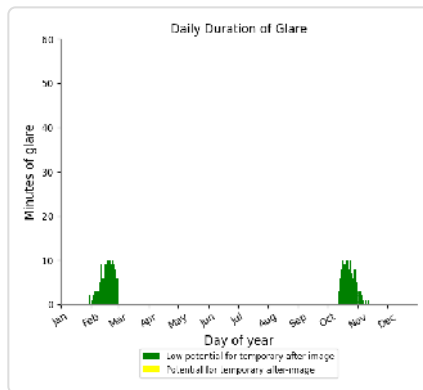
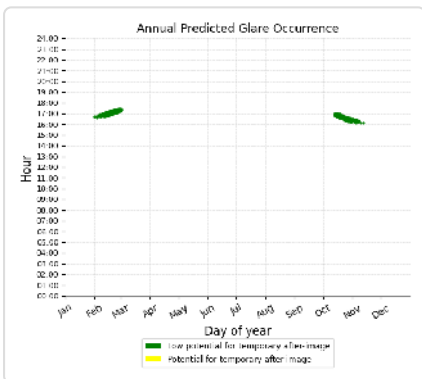
- 1,861 minutes of "green" glare with low potential to cause temporary after-image.
- 35 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 2

PV array is expected to produce the following glare for this receptor:

- 355 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 3

No glare found

D3: OP 4

No glare found

D3: OP 5

No glare found

D3: OP 6

No glare found

D3: OP 7

No glare found

D3: OP 8

No glare found

D3: OP 9

No glare found

D3: OP 10

No glare found

D3: OP 11

No glare found

D3: OP 12

No glare found

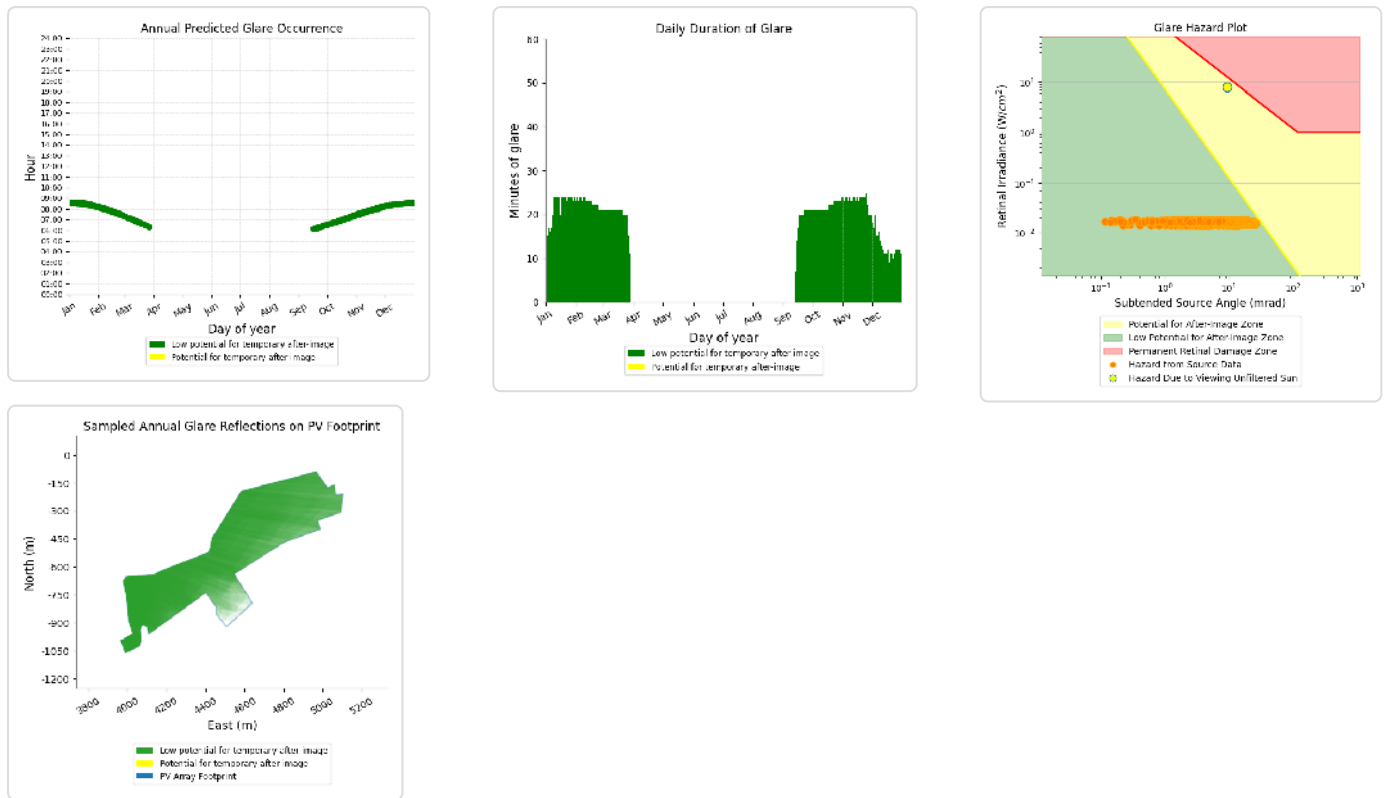
D3: OP 13

No glare found

D3: OP 14

PV array is expected to produce the following glare for this receptor:

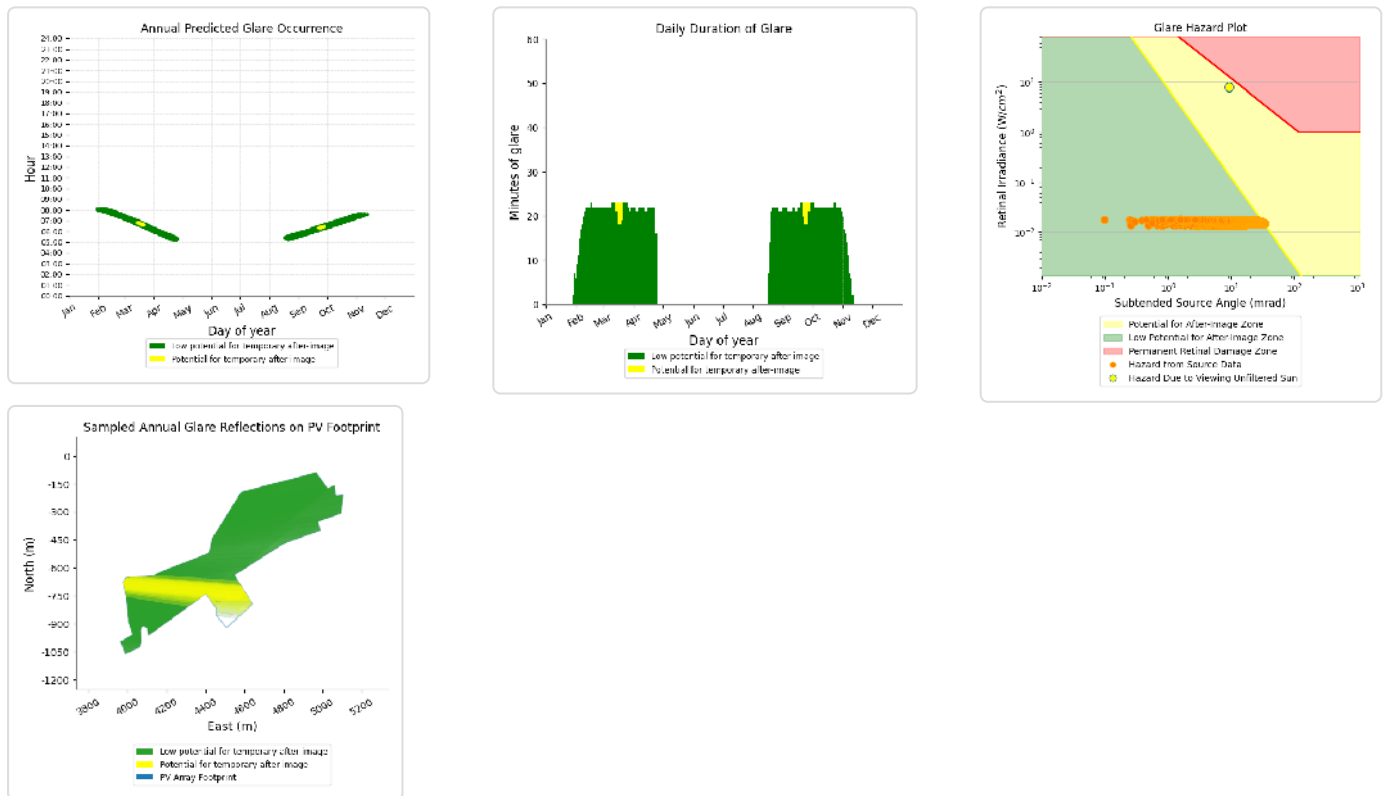
- 3,963 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 15

PV array is expected to produce the following glare for this receptor:

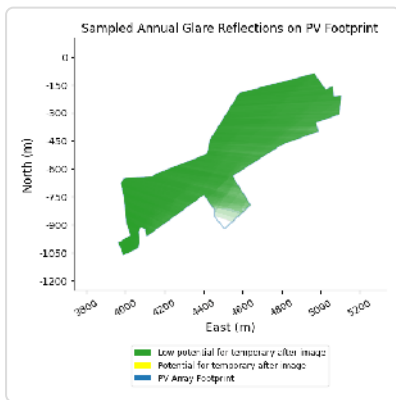
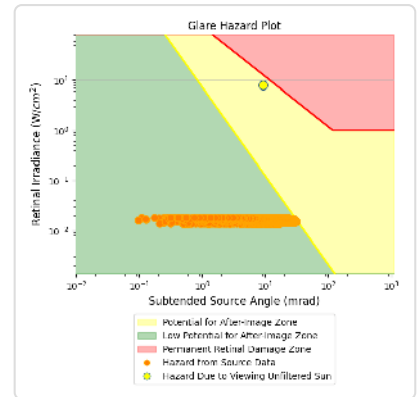
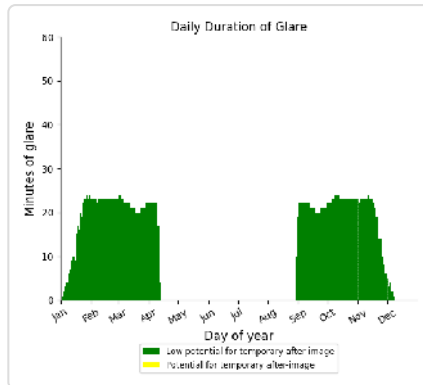
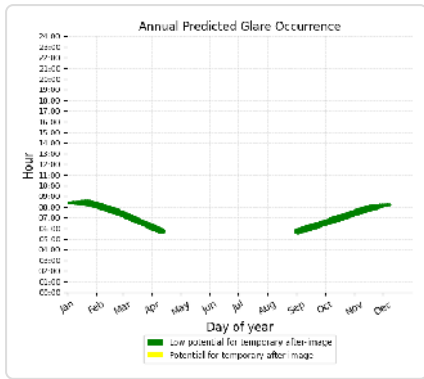
- 3,504 minutes of "green" glare with low potential to cause temporary after-image.
- 54 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 16

PV array is expected to produce the following glare for this receptor:

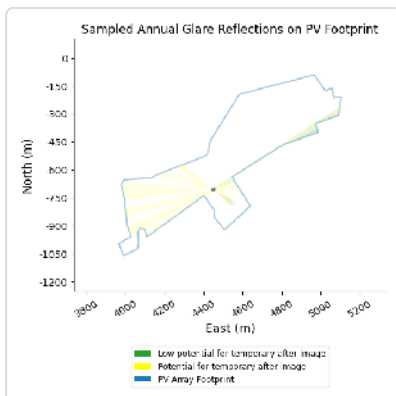
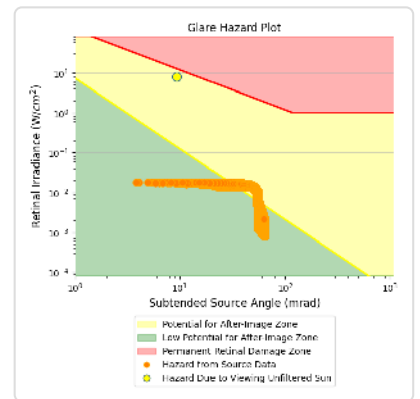
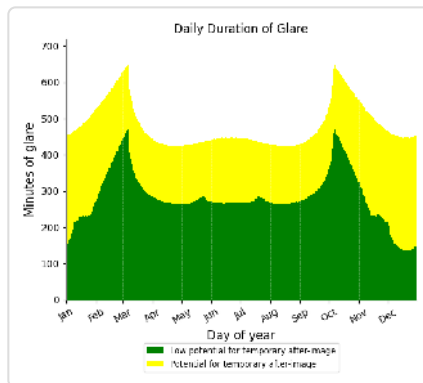
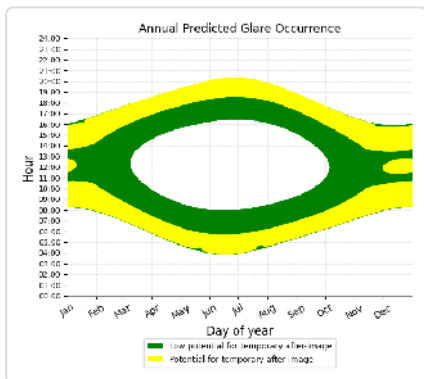
- 3,911 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 17

PV array is expected to produce the following glare for this receptor:

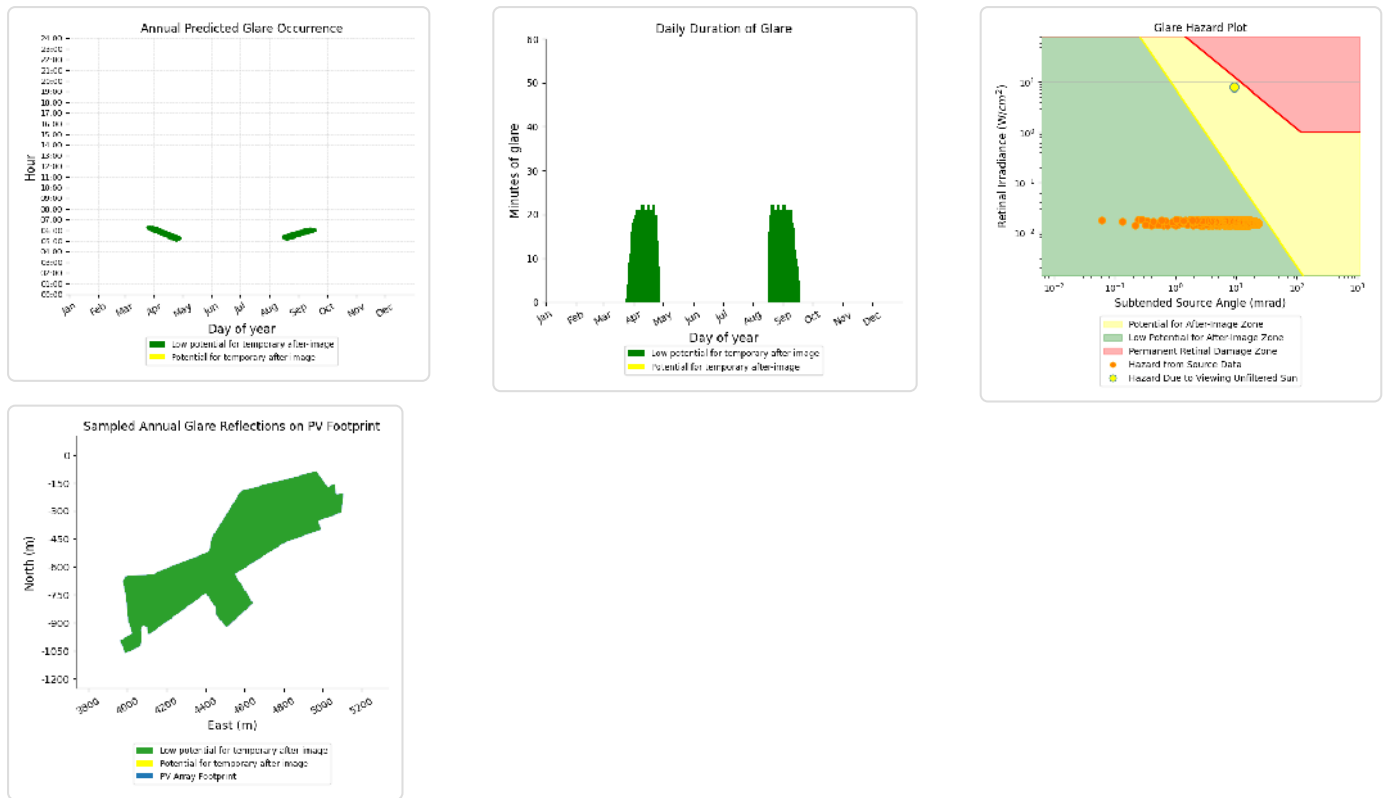
- 102,557 minutes of "green" glare with low potential to cause temporary after-image.
- 72,374 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 18

PV array is expected to produce the following glare for this receptor:

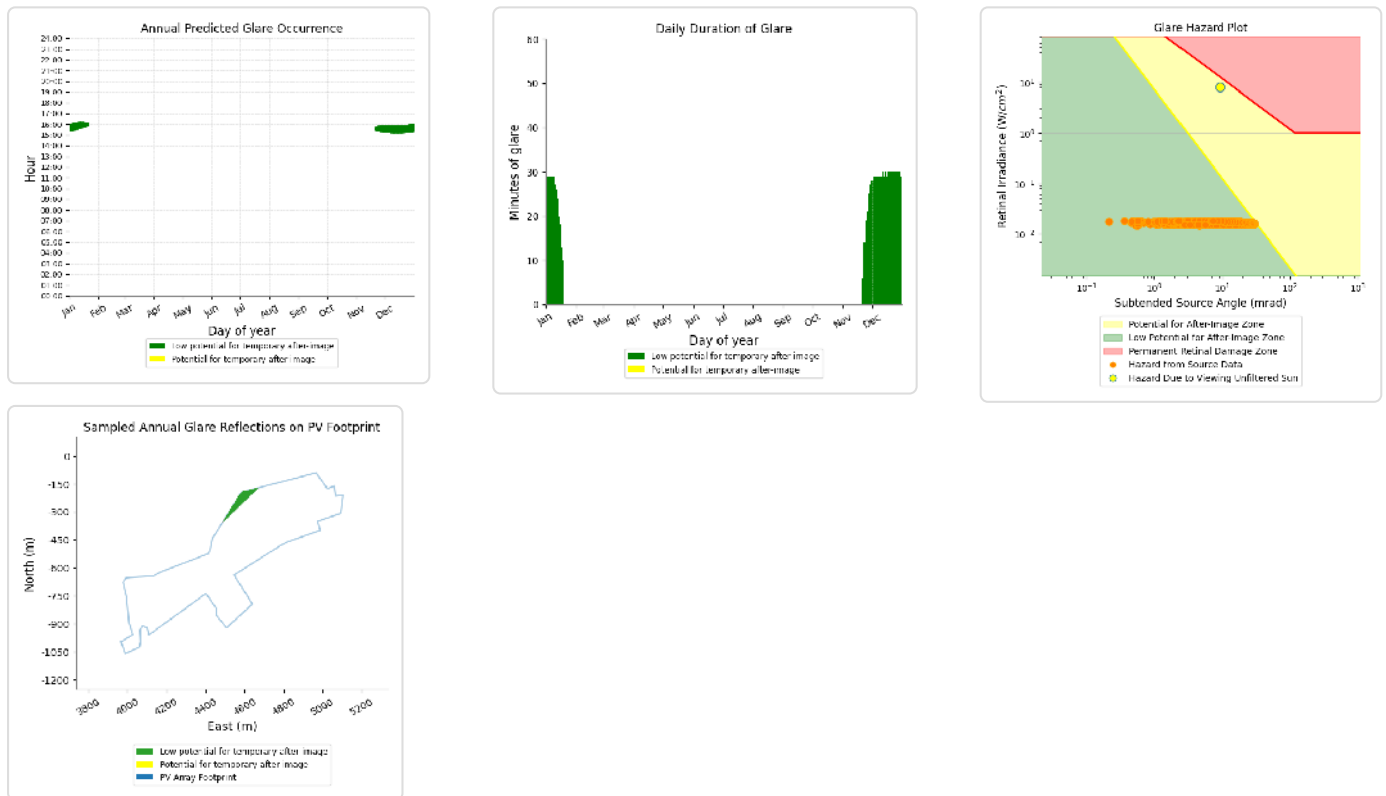
- 1,258 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 19

PV array is expected to produce the following glare for this receptor:

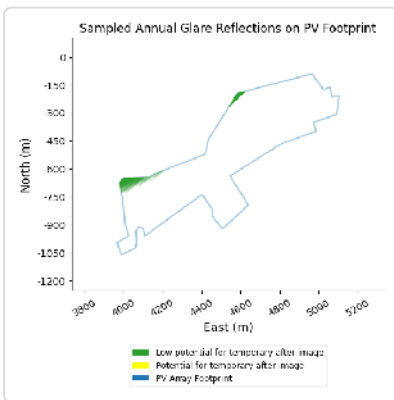
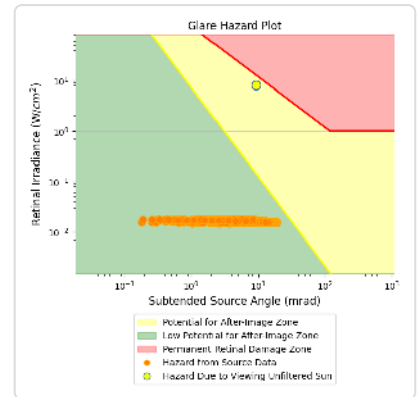
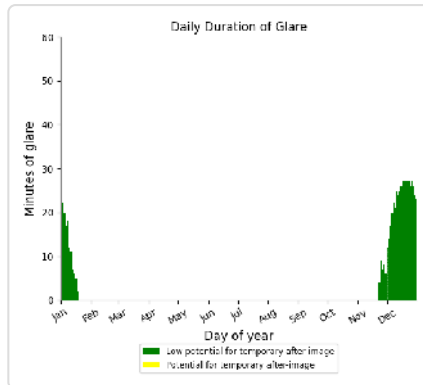
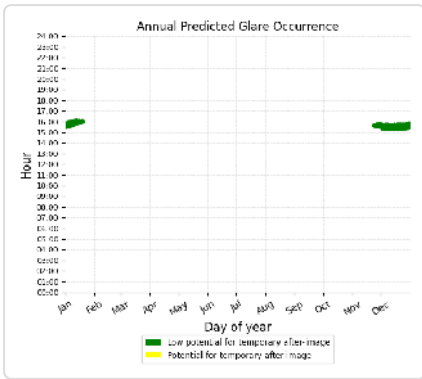
- 1,574 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 20

PV array is expected to produce the following glare for this receptor:

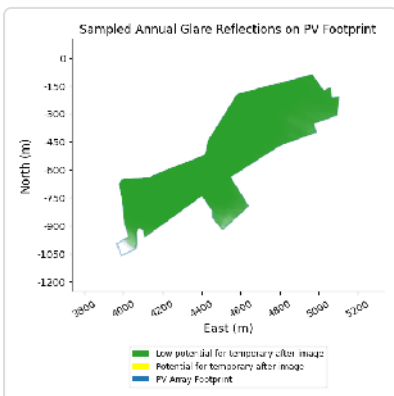
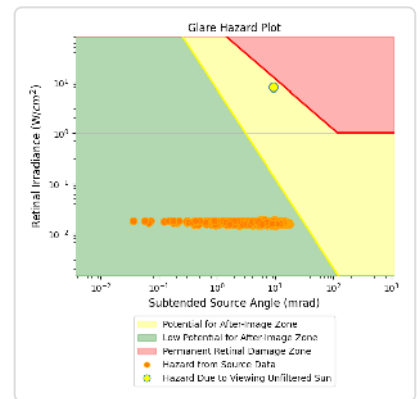
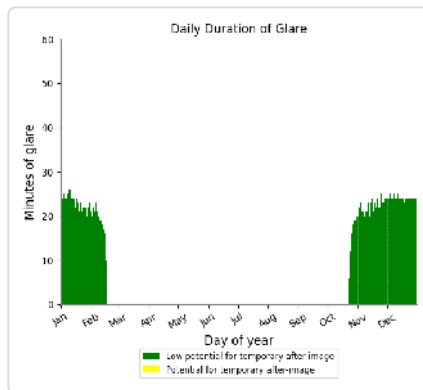
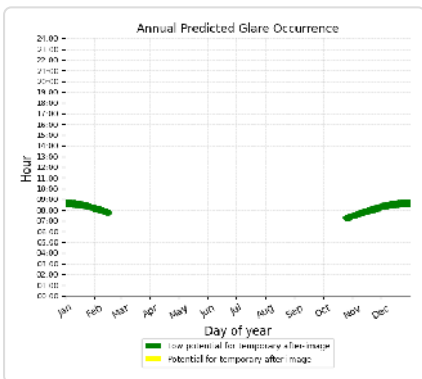
- 1,030 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 21

PV array is expected to produce the following glare for this receptor:

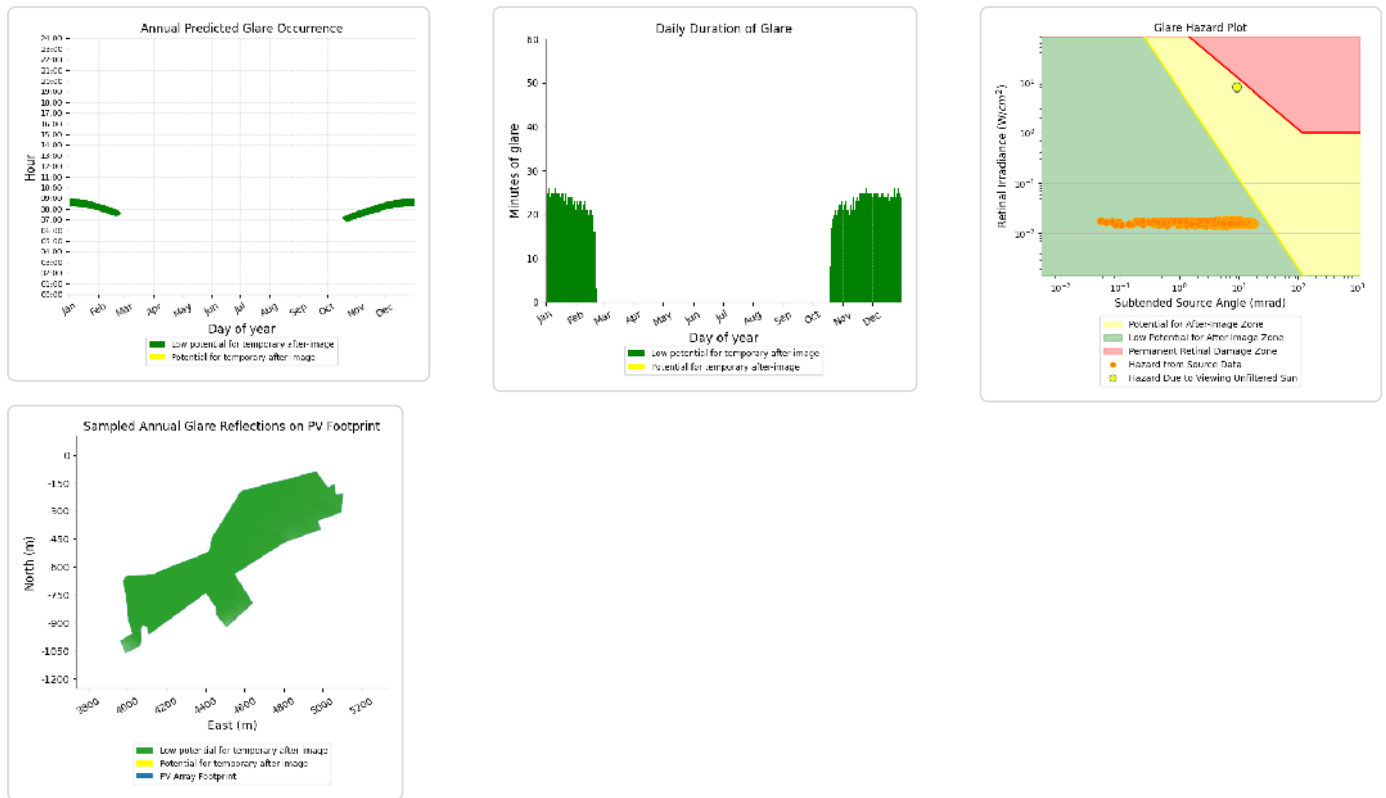
- 2,601 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 22

PV array is expected to produce the following glare for this receptor:

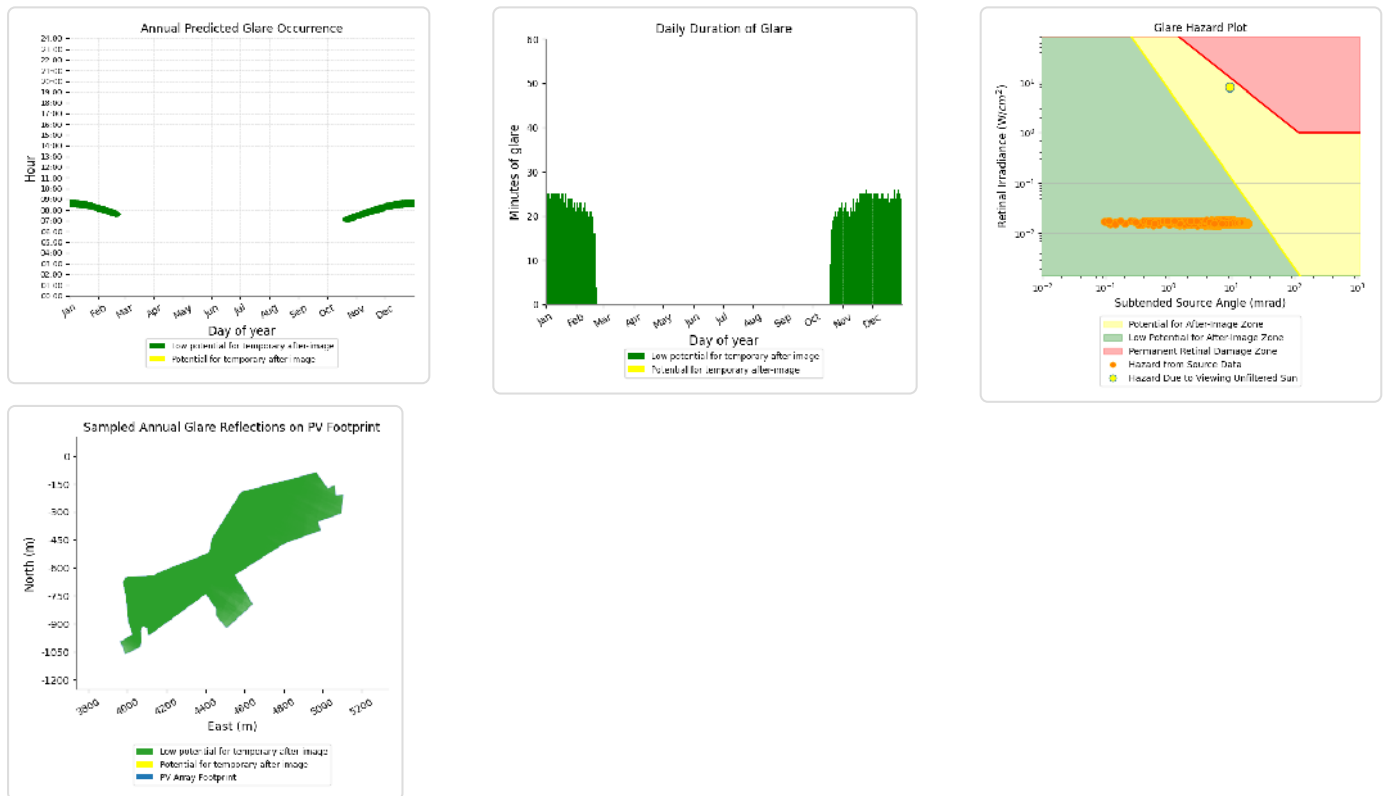
- 2,893 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 23

PV array is expected to produce the following glare for this receptor:

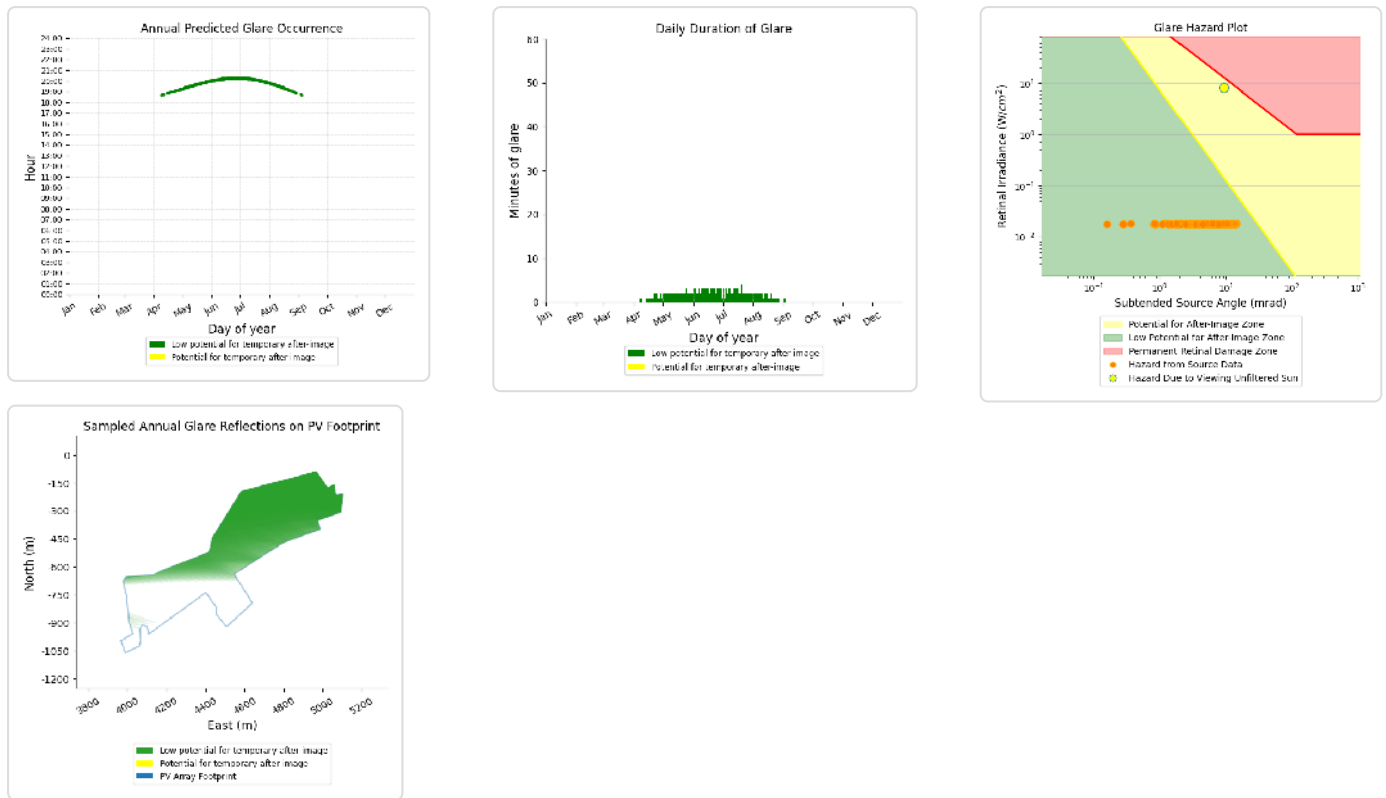
- 2,894 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 24

PV array is expected to produce the following glare for this receptor:

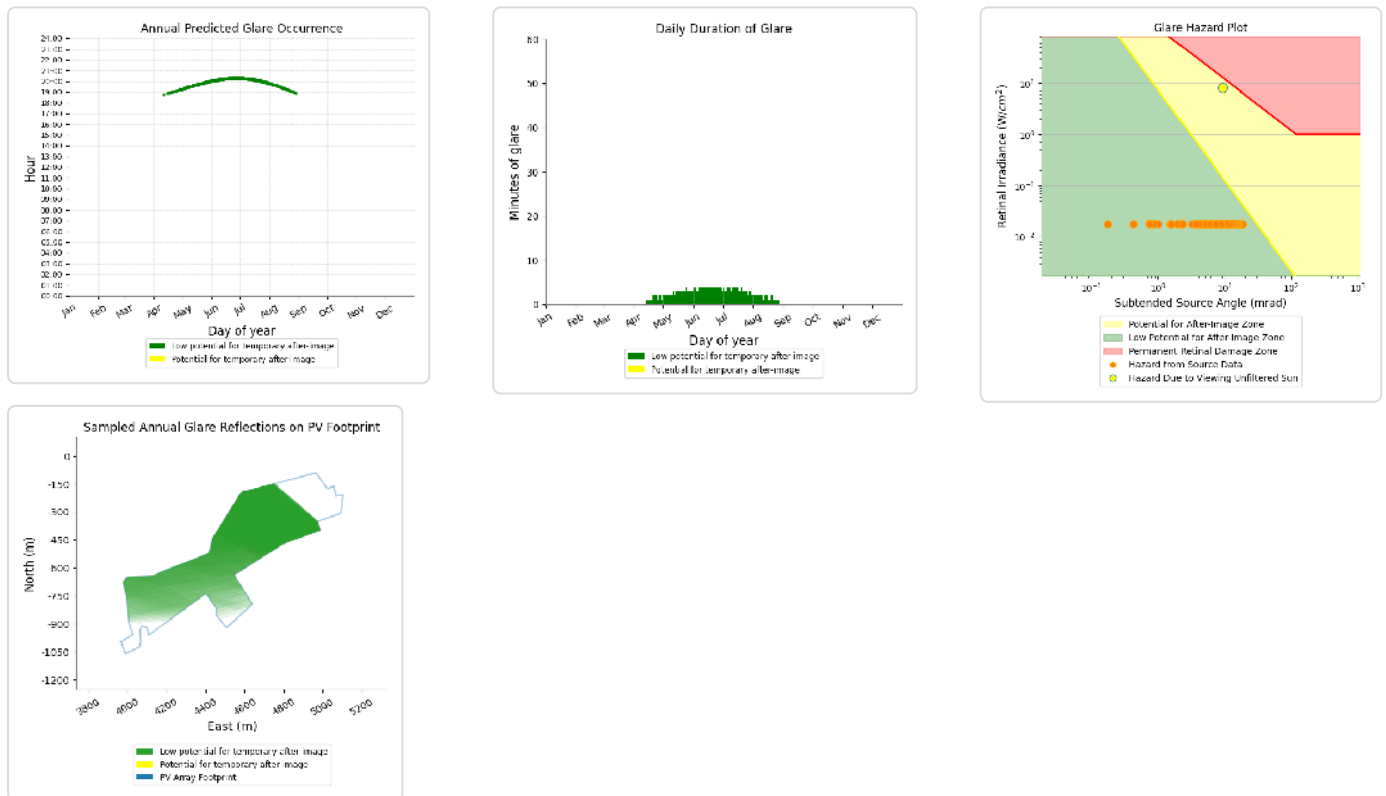
- 288 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 25

PV array is expected to produce the following glare for this receptor:

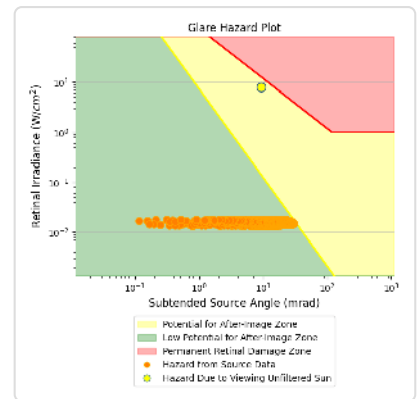
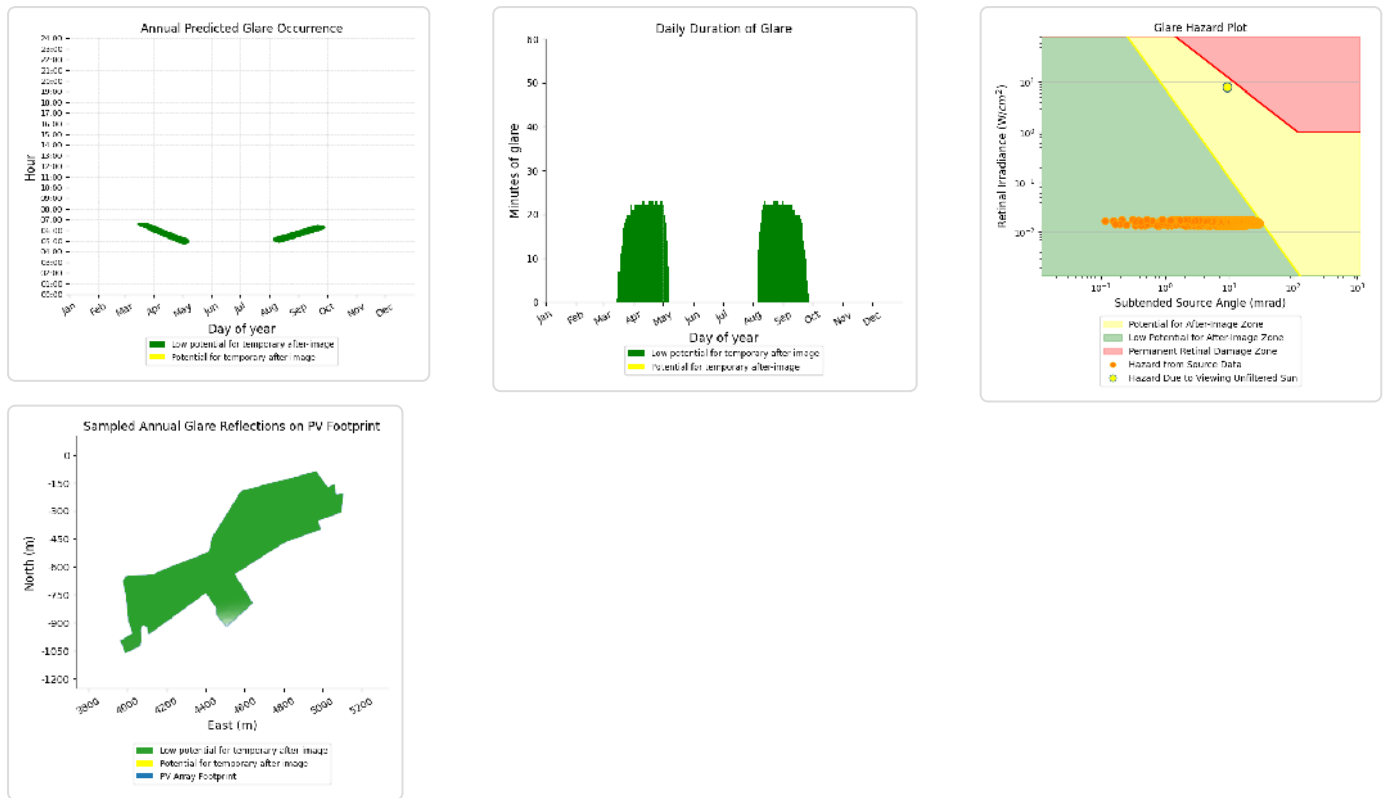
- 373 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 26

PV array is expected to produce the following glare for this receptor:

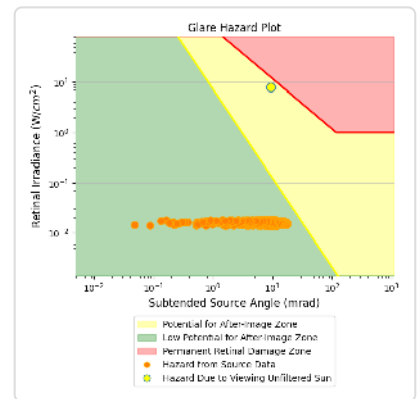
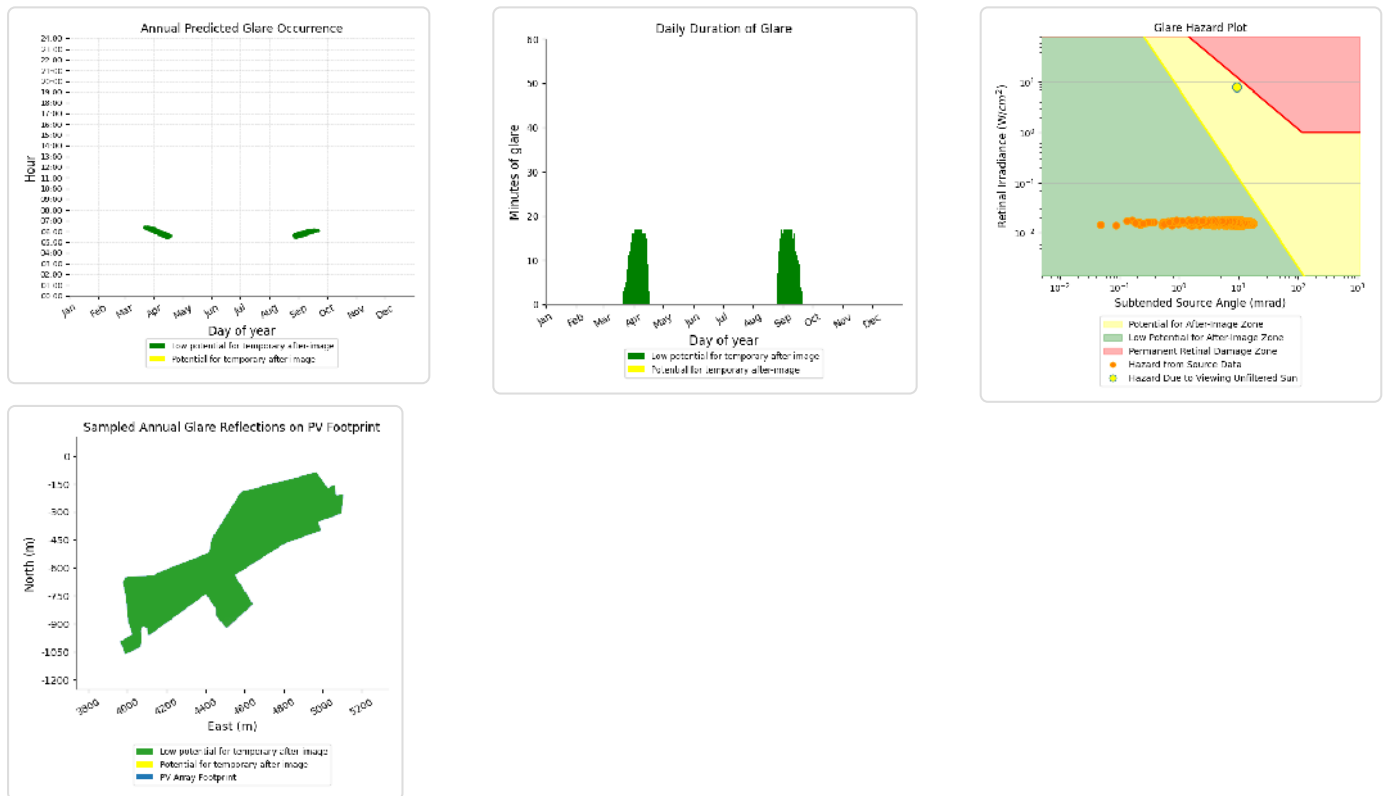
- 2,062 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 27

PV array is expected to produce the following glare for this receptor:

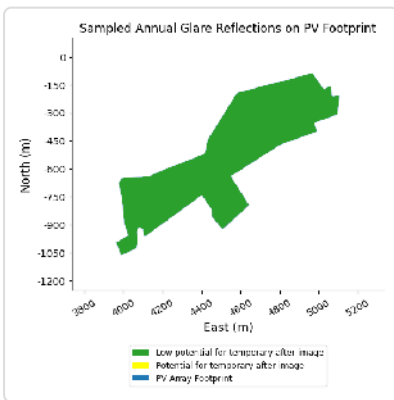
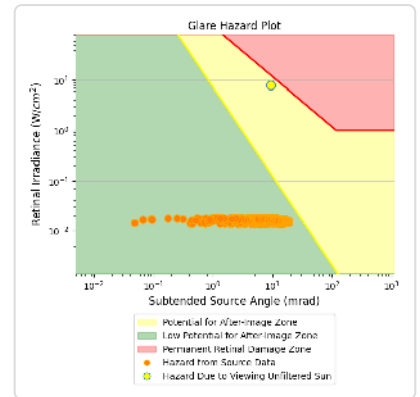
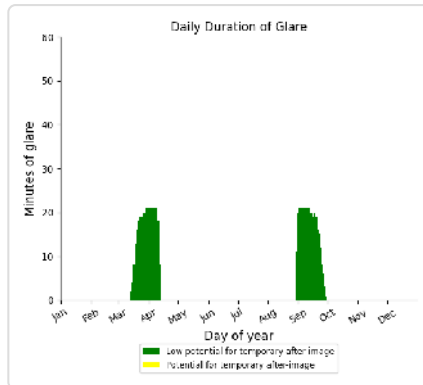
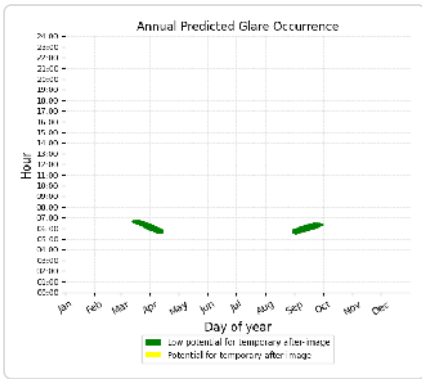
- 706 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 28

PV array is expected to produce the following glare for this receptor:

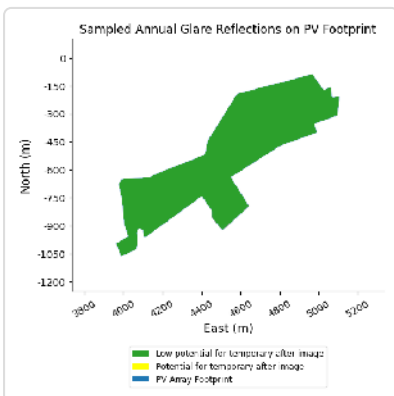
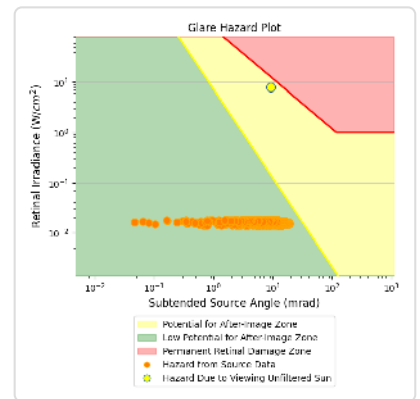
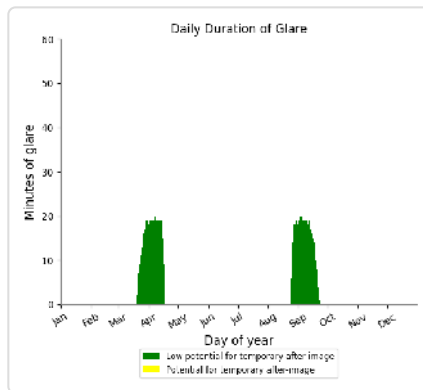
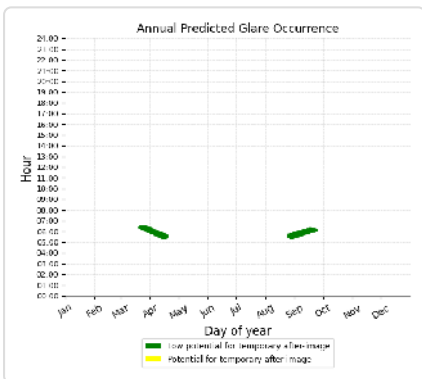
- 1,047 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 29

PV array is expected to produce the following glare for this receptor:

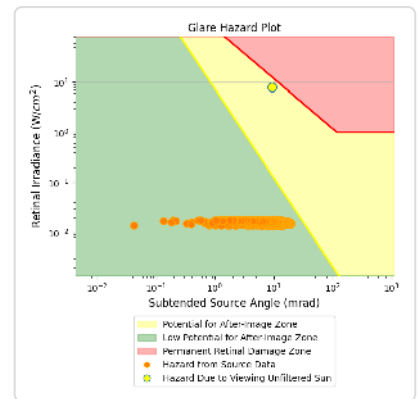
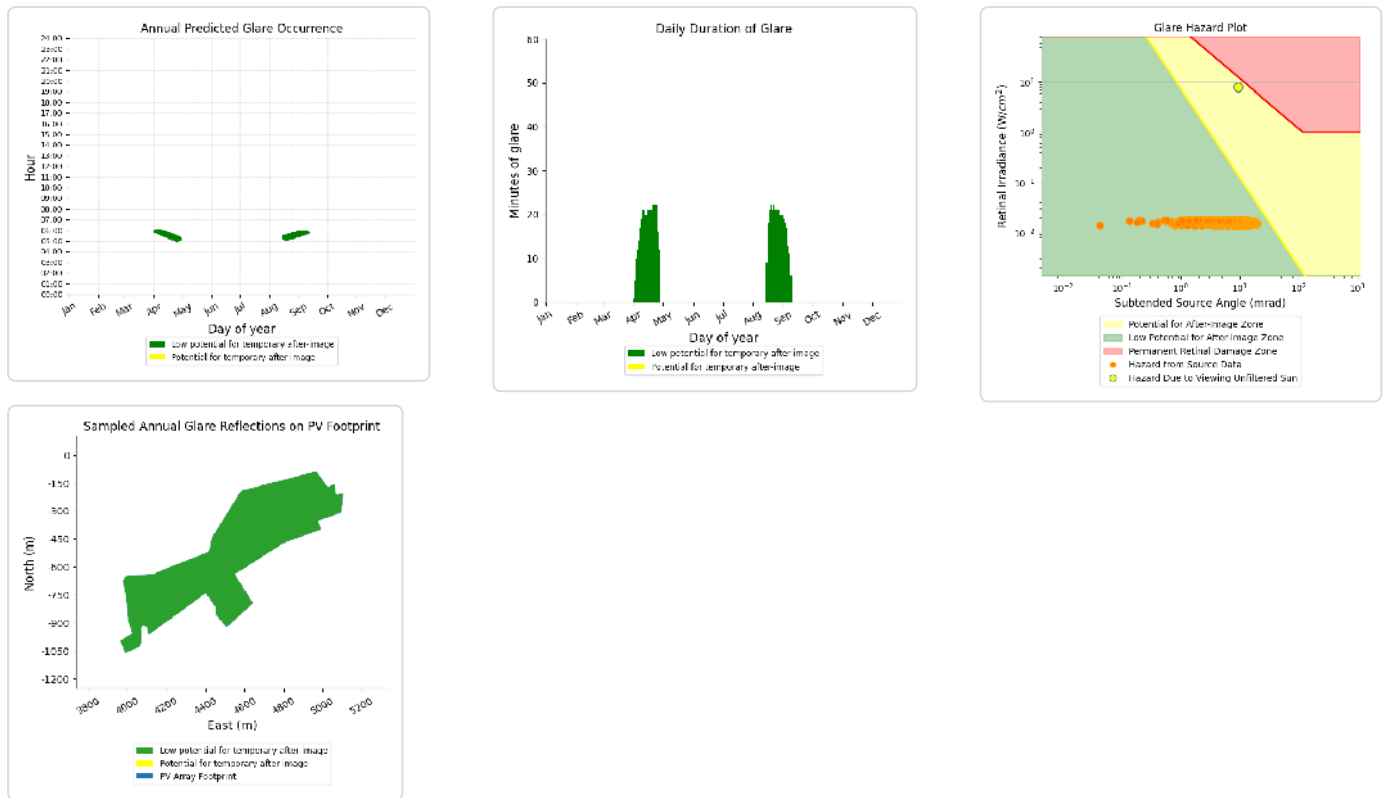
- 921 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 30

PV array is expected to produce the following glare for this receptor:

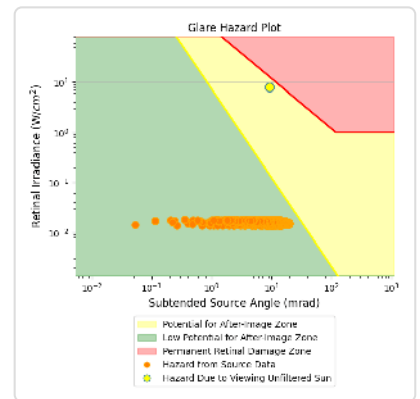
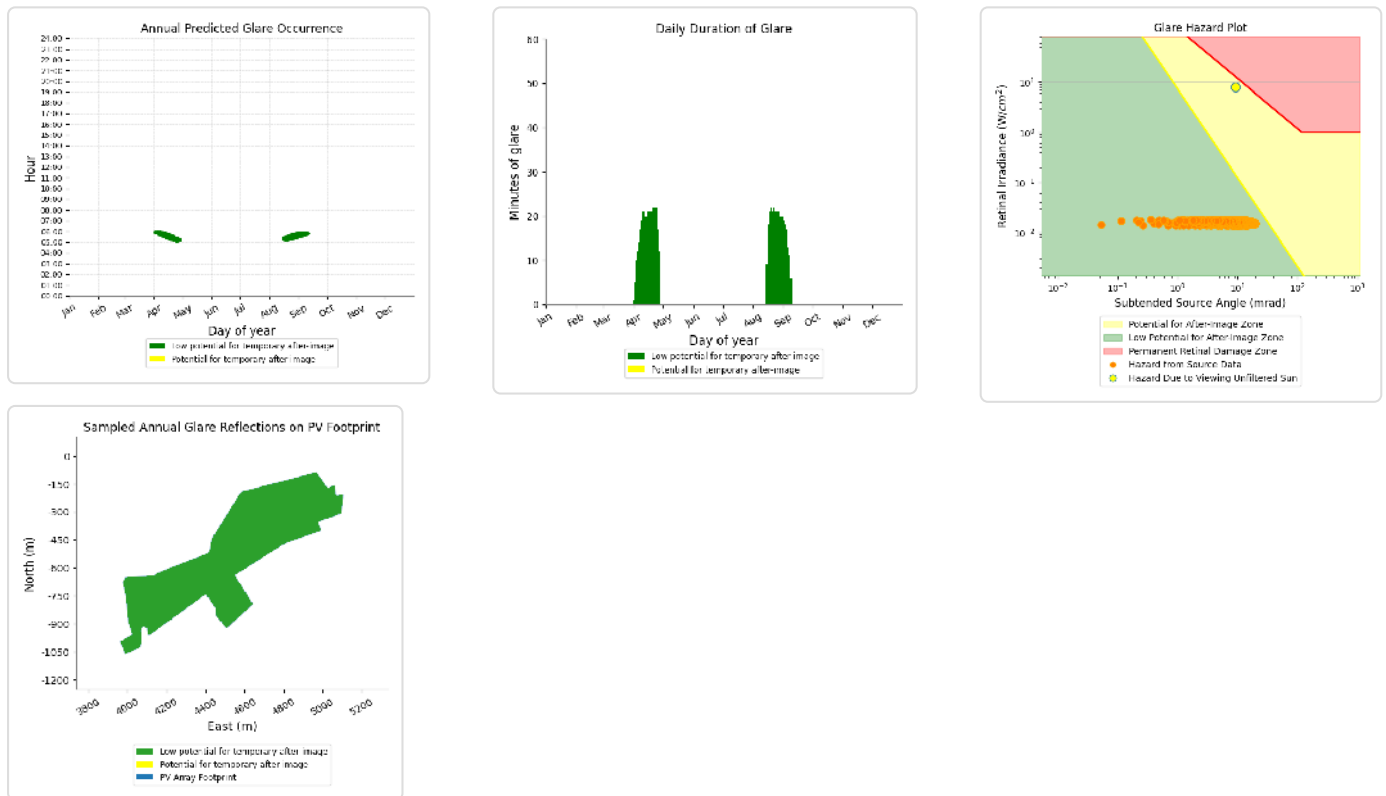
- 935 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 31

PV array is expected to produce the following glare for this receptor:

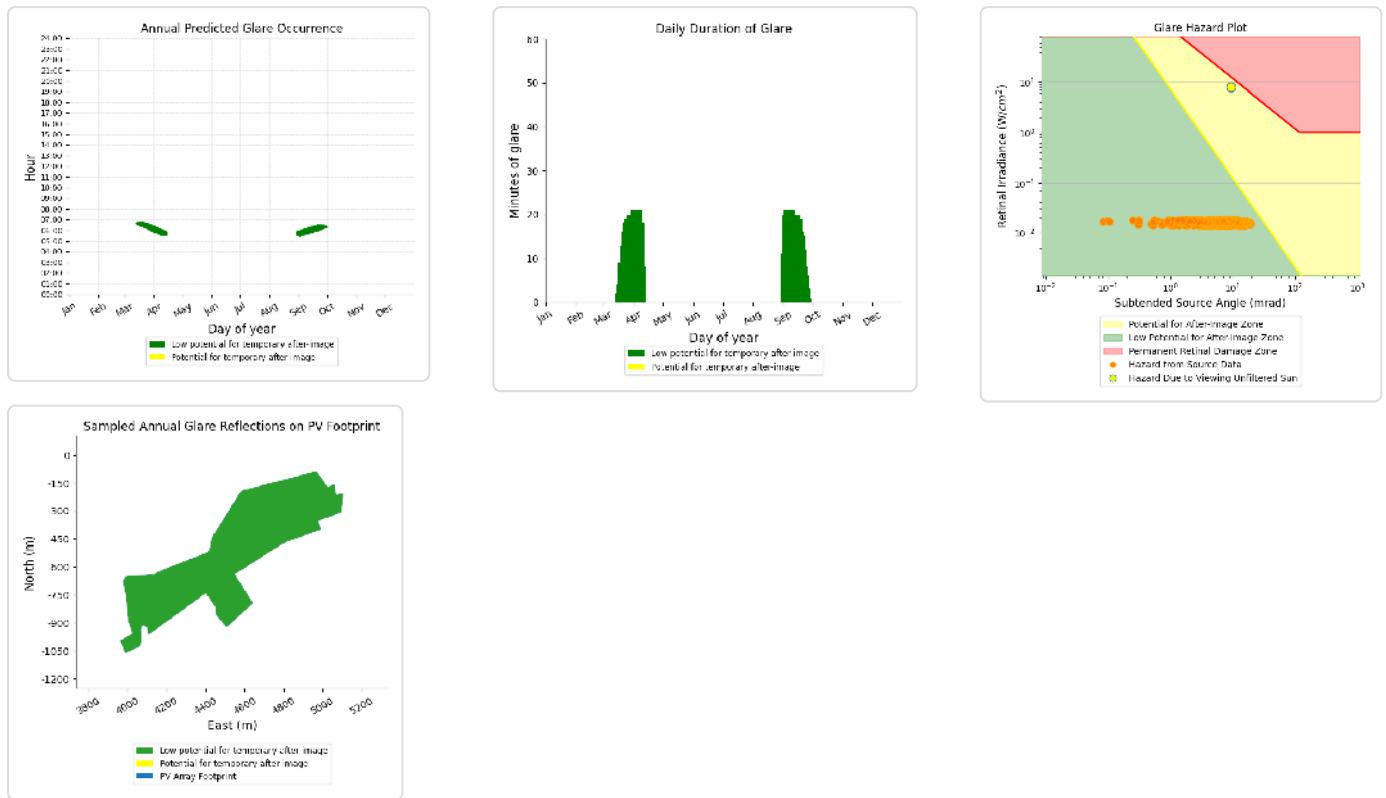
- 940 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 32

PV array is expected to produce the following glare for this receptor:

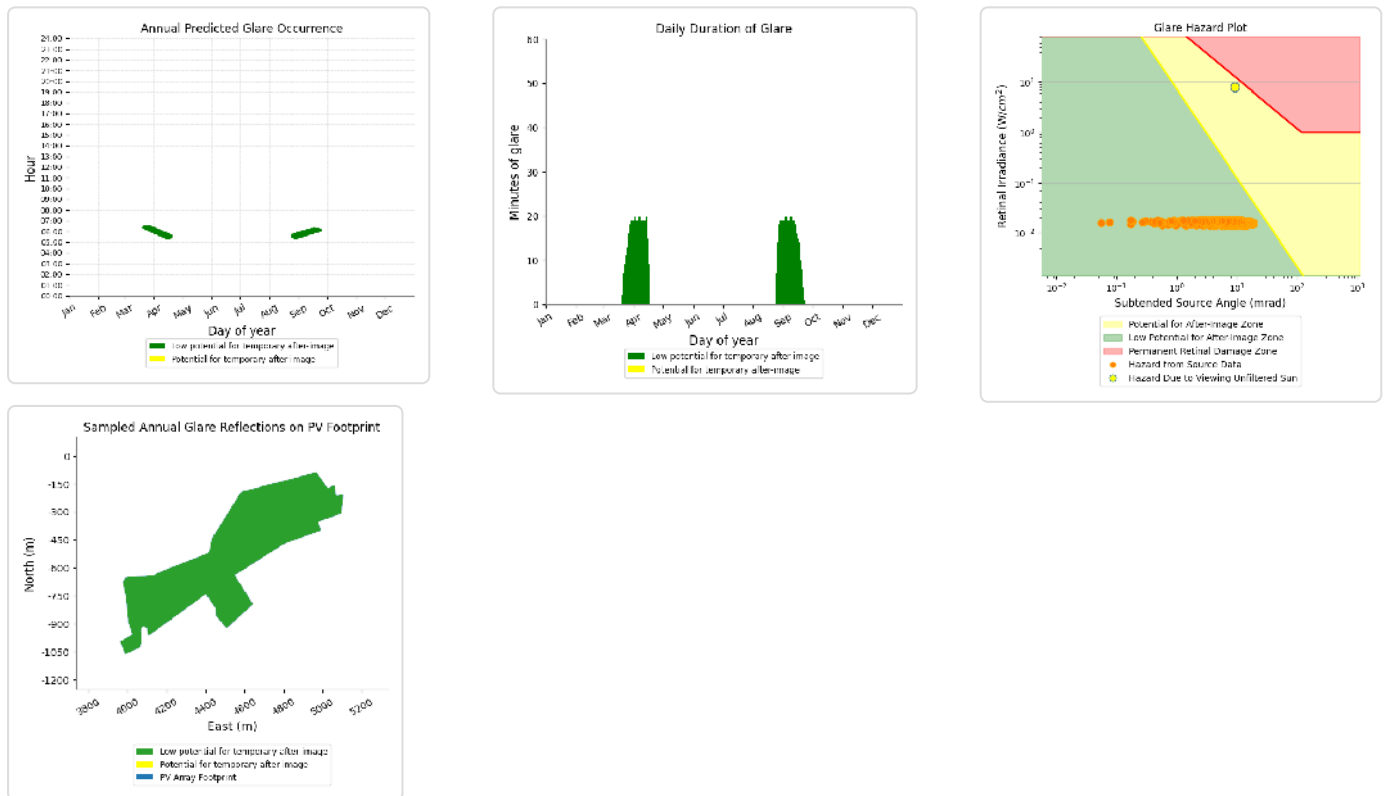
- 1,052 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: OP 33

PV array is expected to produce the following glare for this receptor:

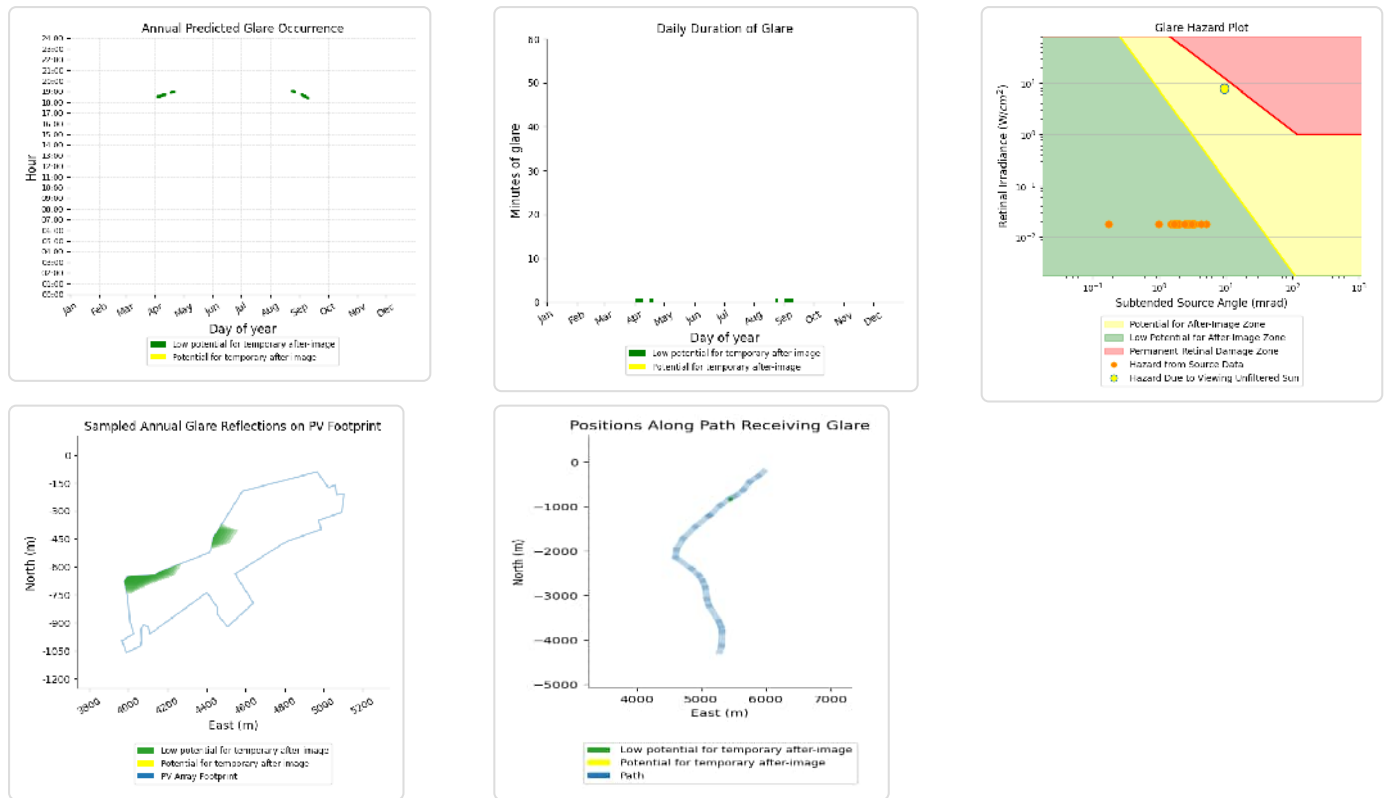
- 937 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: A429

PV array is expected to produce the following glare for this receptor:

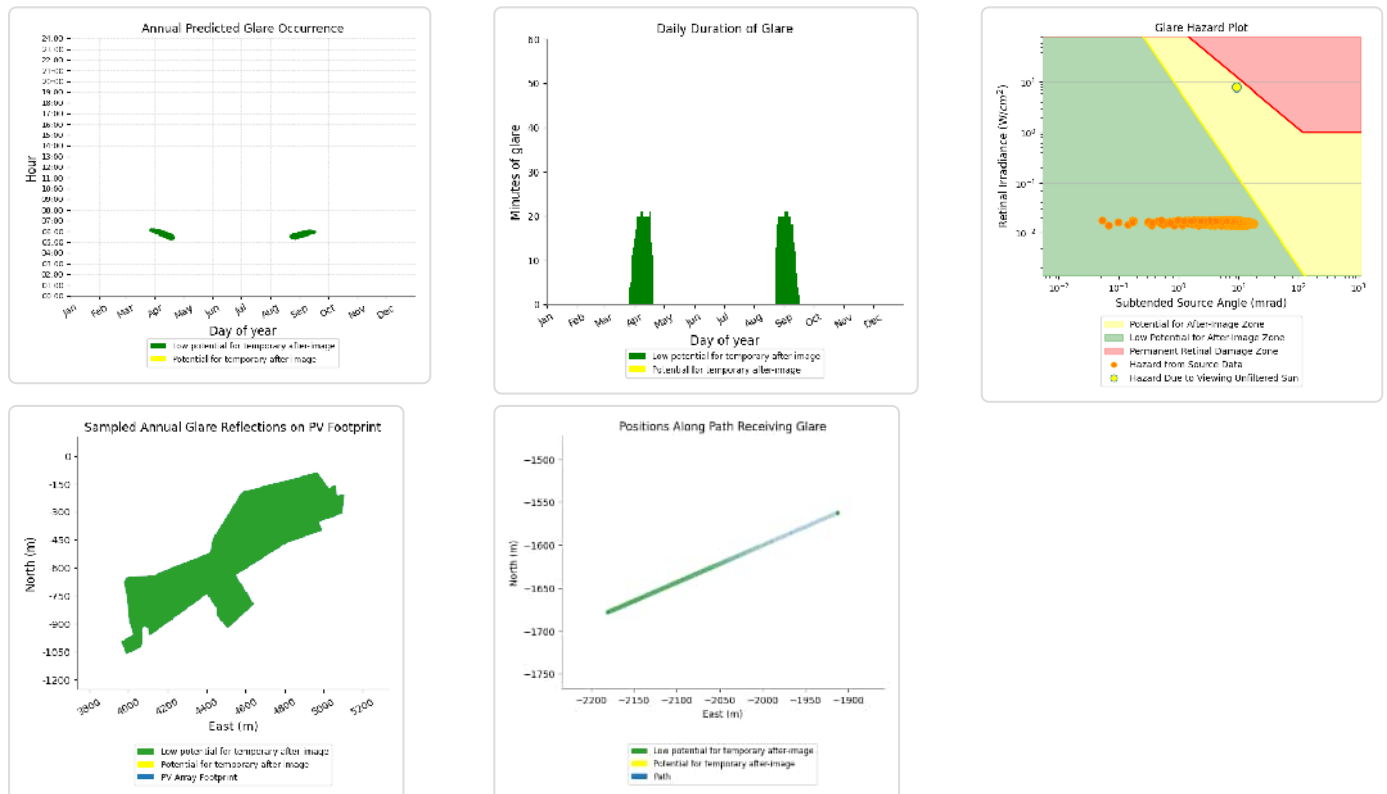
- 24 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: Rail 1

PV array is expected to produce the following glare for this receptor:

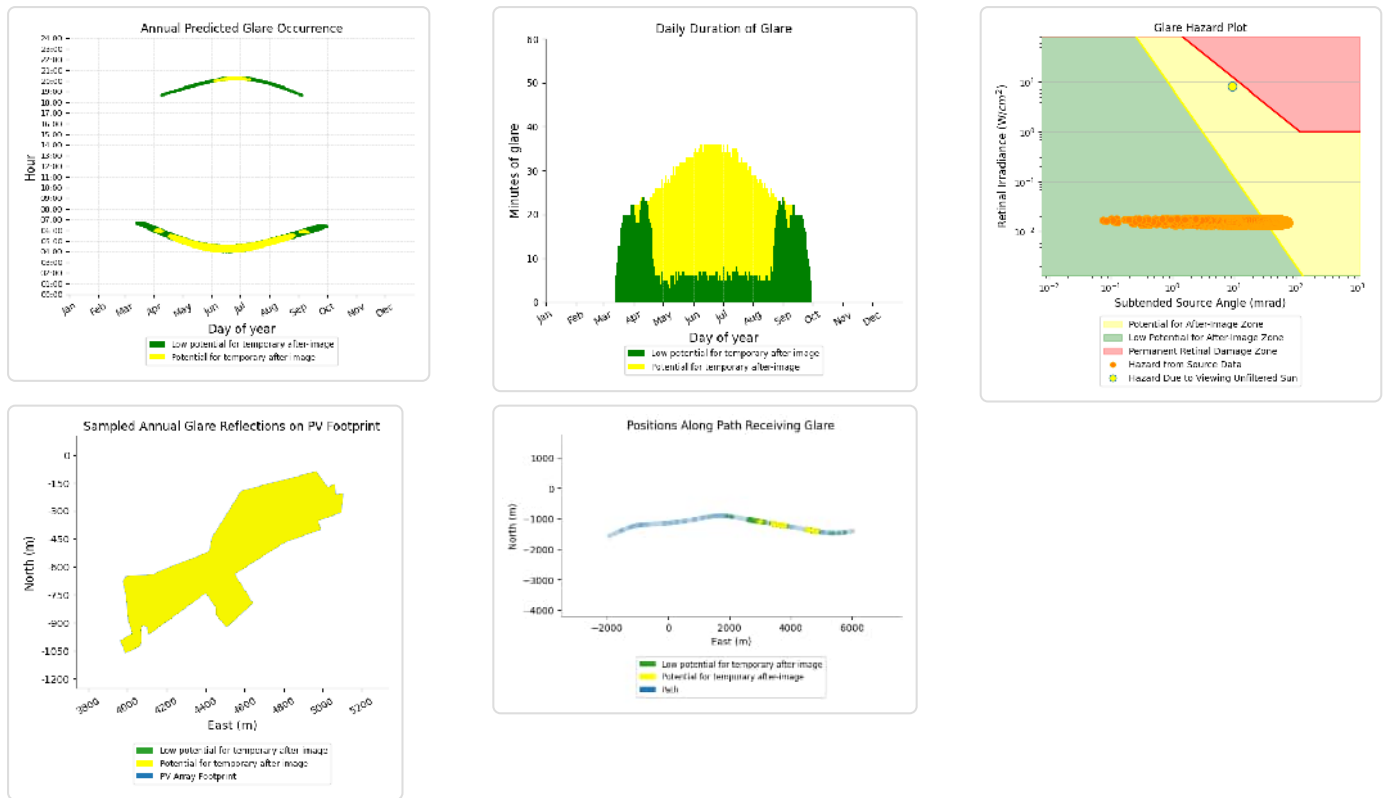
- 806 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: Rail 2

PV array is expected to produce the following glare for this receptor:

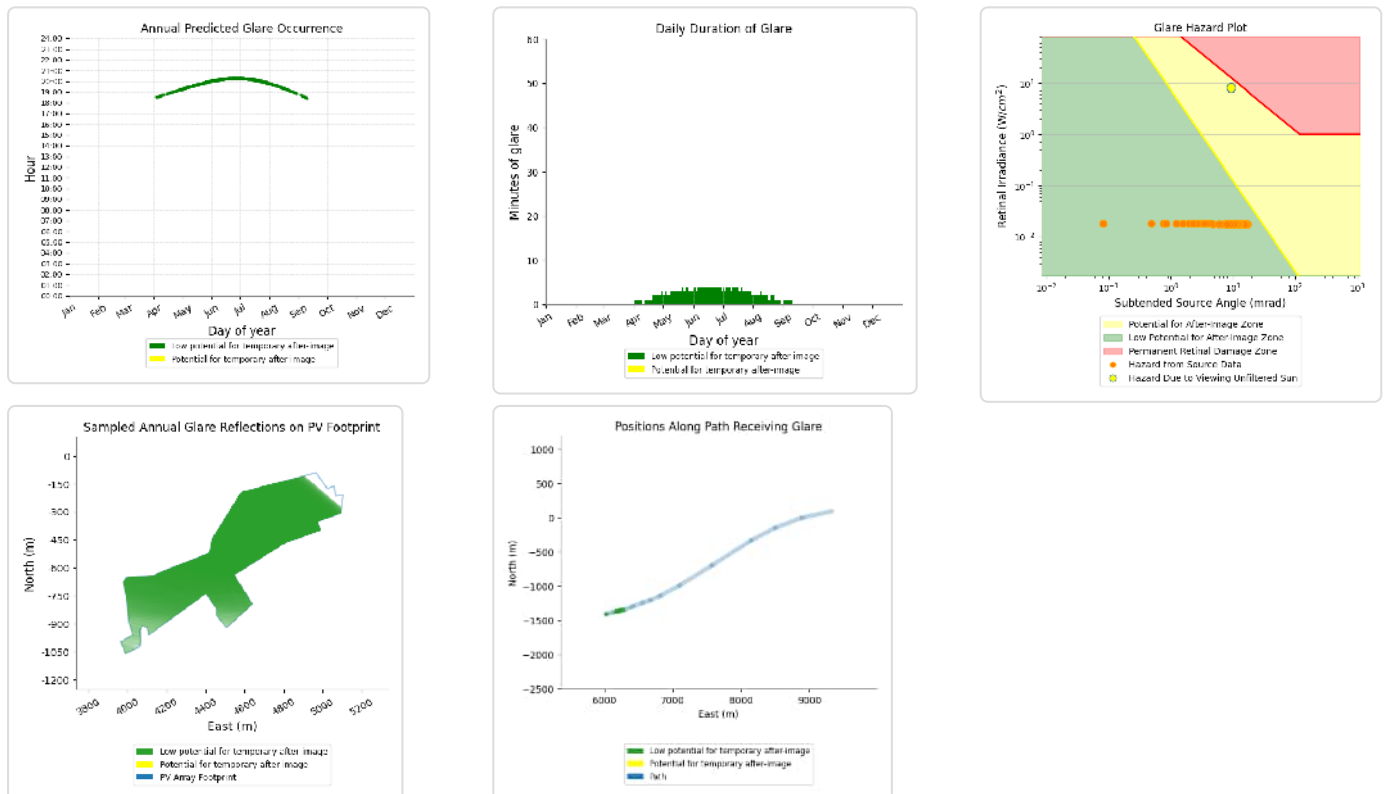
- 2,183 minutes of "green" glare with low potential to cause temporary after-image.
- 3,238 minutes of "yellow" glare with potential to cause temporary after-image.



D3: Rail 3

PV array is expected to produce the following glare for this receptor:

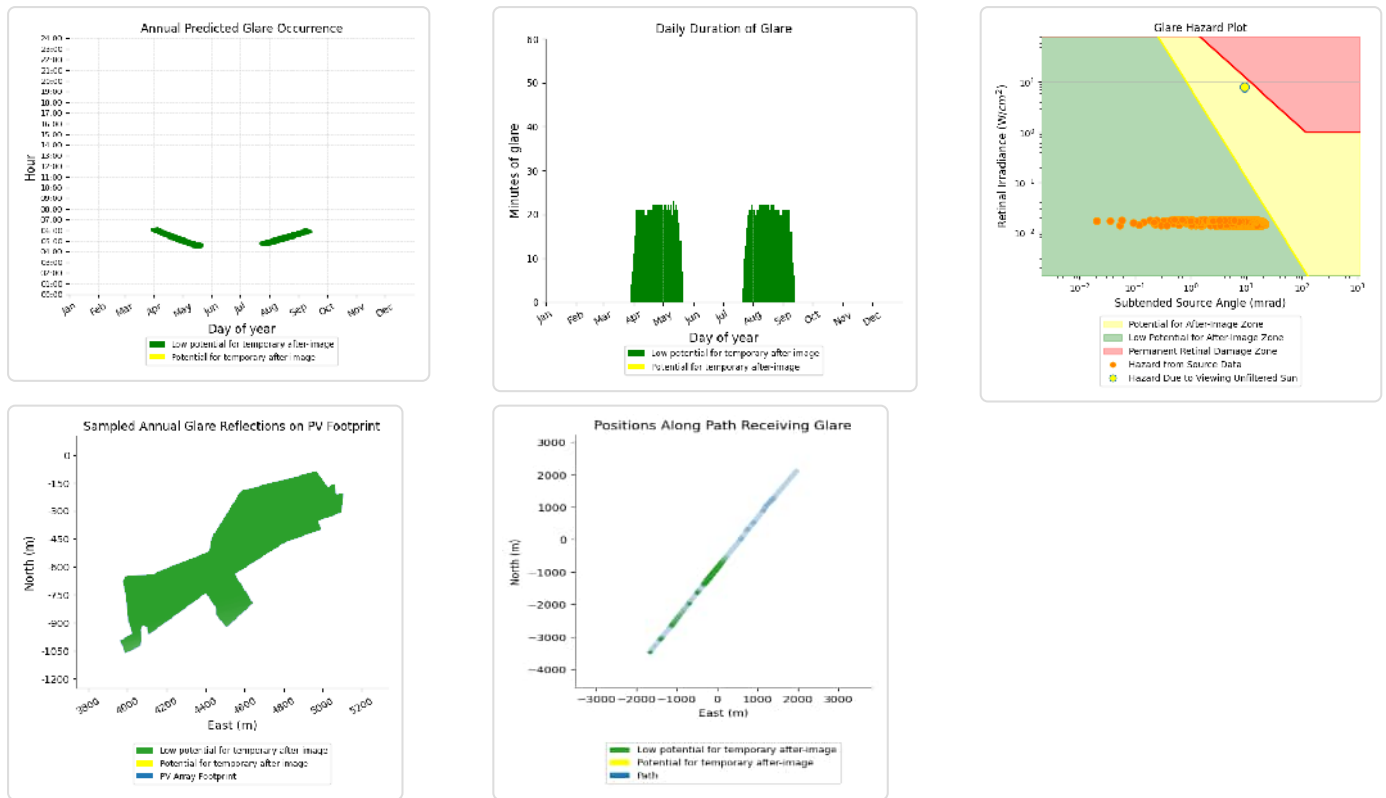
- 410 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: Road 1

PV array is expected to produce the following glare for this receptor:

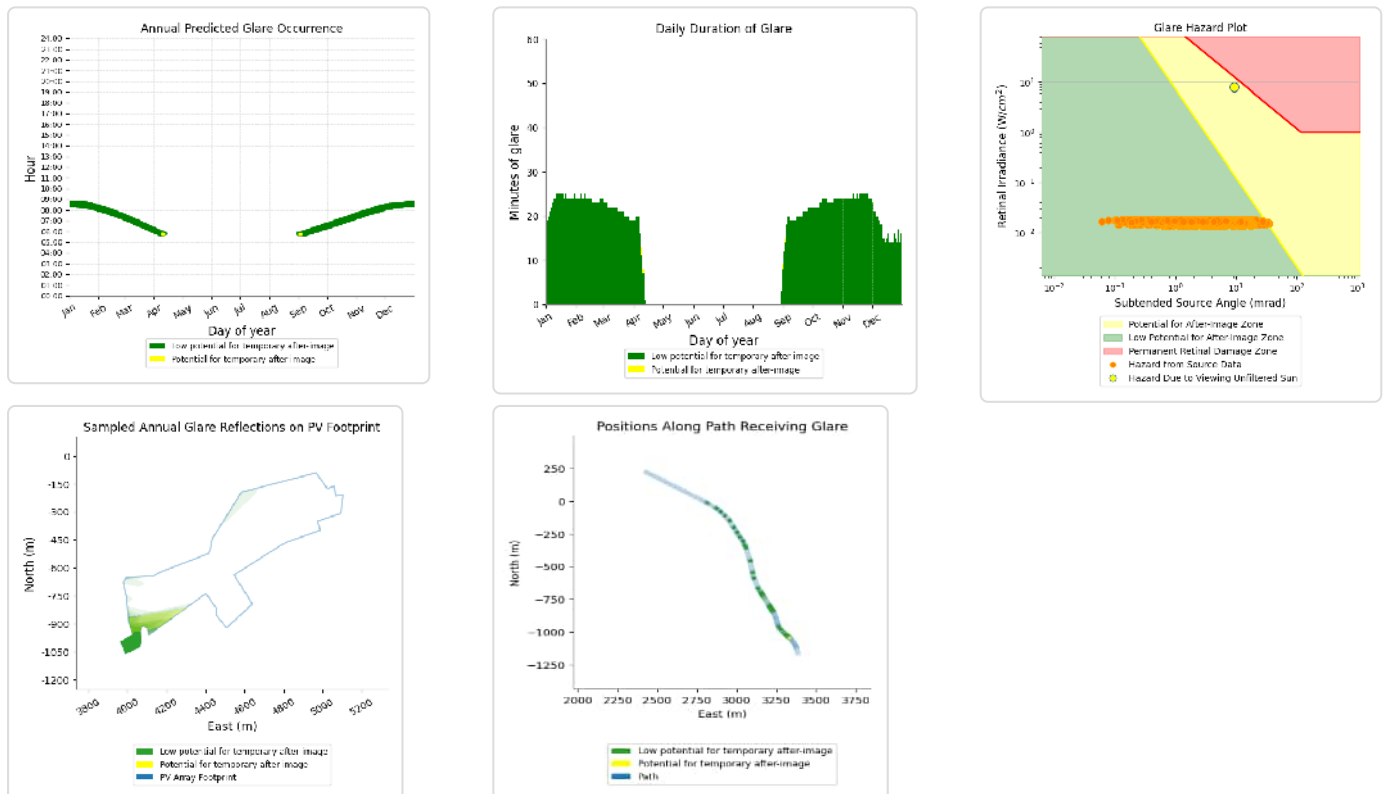
- 2,083 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



D3: Road 2

PV array is expected to produce the following glare for this receptor:

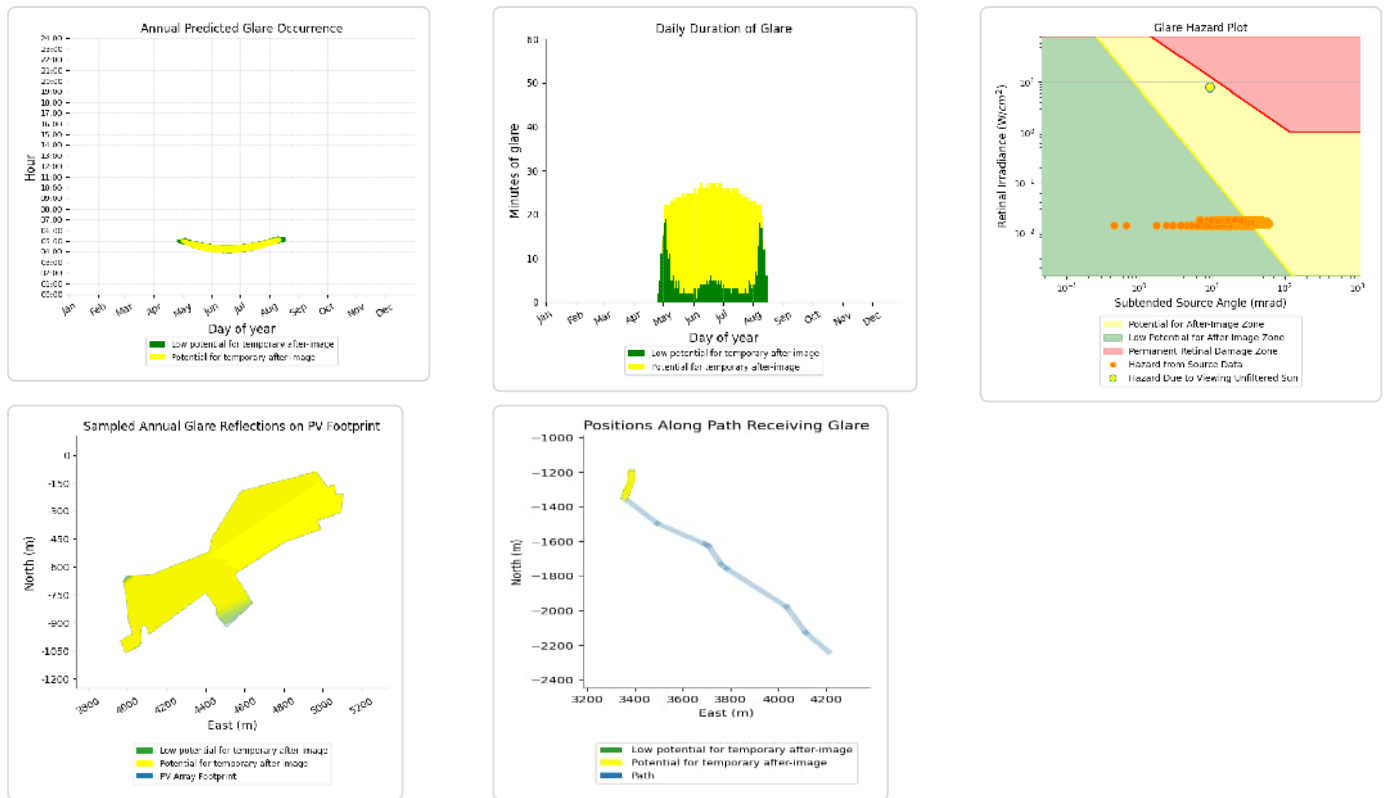
- 4,783 minutes of "green" glare with low potential to cause temporary after-image.
- 5 minutes of "yellow" glare with potential to cause temporary after-image.



D3: Route 6

PV array is expected to produce the following glare for this receptor:

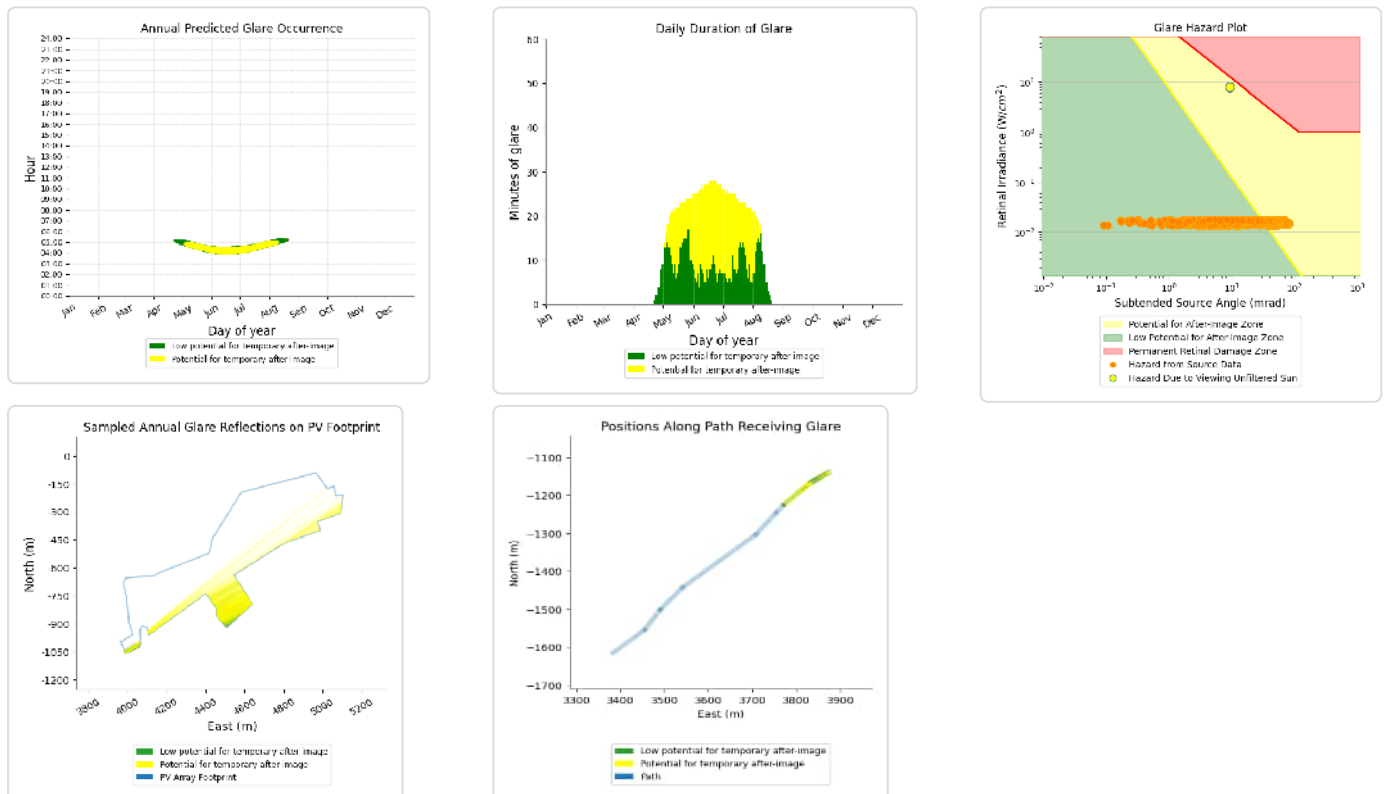
- 591 minutes of "green" glare with low potential to cause temporary after-image.
- 2,027 minutes of "yellow" glare with potential to cause temporary after-image.



D3: Route 7

PV array is expected to produce the following glare for this receptor:

- 1,057 minutes of "green" glare with low potential to cause temporary after-image.
- 1,418 minutes of "yellow" glare with potential to cause temporary after-image.



E1 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Bowldown Farm RWY04	0	0
FP: Bowldown Farm RWY09	2380	0
FP: Bowldown Farm RWY22	0	0
FP: Bowldown Farm RWY27	0	0
FP: Charlton Park RWY07	0	0
FP: Charlton Park RWY25	0	0
FP: Langley House RWY 03	0	0
FP: Langley House RWY04	0	0
FP: Langley House RWY 21	0	0
FP: Langley House RWY22	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	321	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	109	0
OP: OP 27	109	0
OP: OP 28	223	0
OP: OP 29	155	0
OP: OP 30	360	0
OP: OP 31	368	0
OP: OP 32	230	0
OP: OP 33	163	0
Route: A429	0	0
Route: Rail 1	268	0
Route: Rail 2	963	2713
Route: Rail 3	153	0
Route: Road 1	777	0

Route: Road 2	0	0
Route: Route 6	32	0
Route: Route 7	313	0

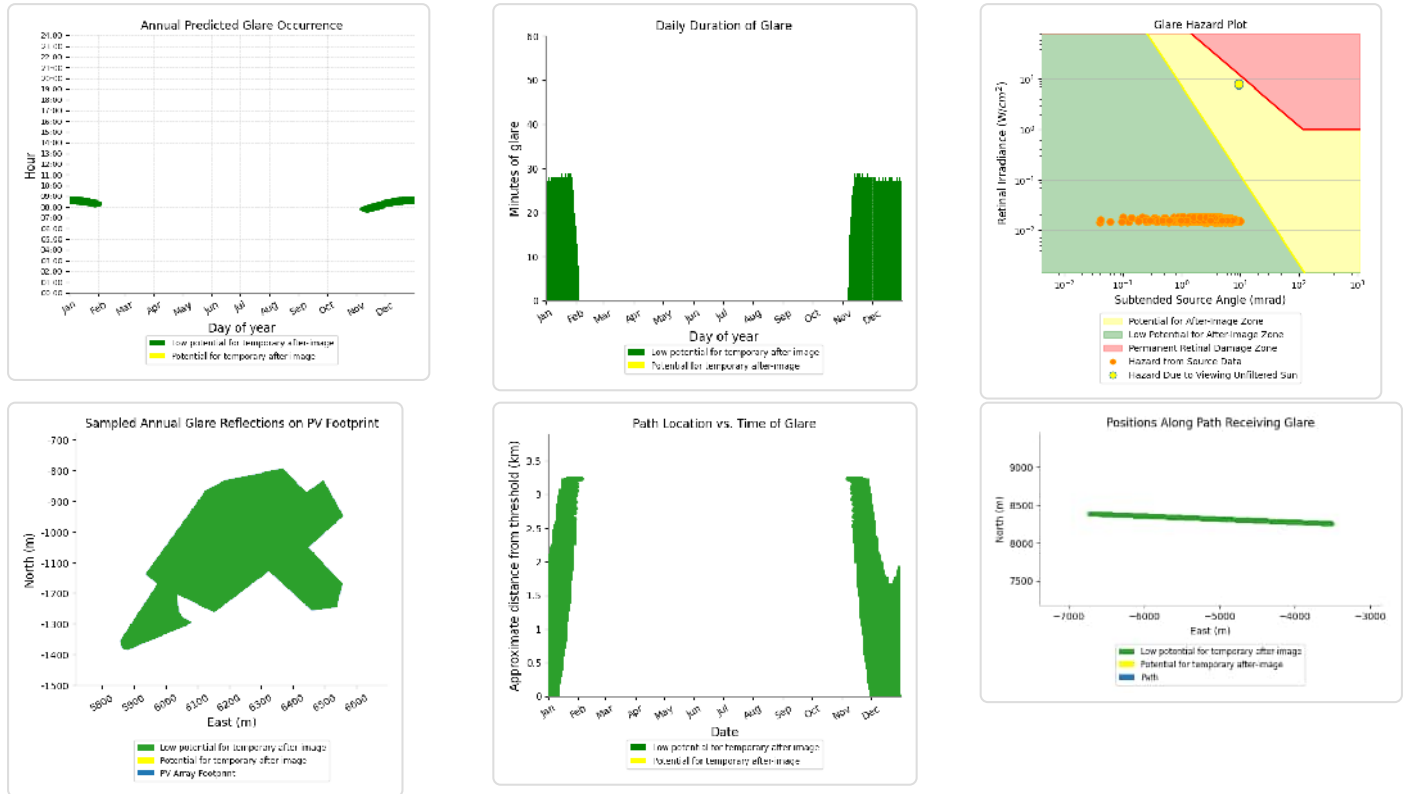
E1: Bowldown Farm RWY04

No glare found

E1: Bowldown Farm RWY09

PV array is expected to produce the following glare for this receptor:

- 2,380 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E1: Bowldown Farm RWY22

No glare found

E1: Bowldown Farm RWY27

No glare found

E1: Charlton Park RWY07

No glare found

E1: Charlton Park RWY25

No glare found

E1: Langley House RWY 03

No glare found

E1: Langley House RWY04

No glare found

E1: Langley House RWY 21

No glare found

E1: Langley House RWY22

No glare found

E1: OP 1

No glare found

E1: OP 2

No glare found

E1: OP 3

No glare found

E1: OP 4

No glare found

E1: OP 5

No glare found

E1: OP 6

No glare found

E1: OP 7

No glare found

E1: OP 8

No glare found

E1: OP 9

No glare found

E1: OP 10

No glare found

E1: OP 11

No glare found

E1: OP 12

No glare found

E1: OP 13

No glare found

E1: OP 14

No glare found

E1: OP 15

No glare found

E1: OP 16

No glare found

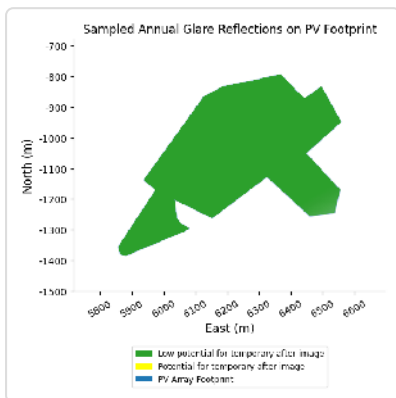
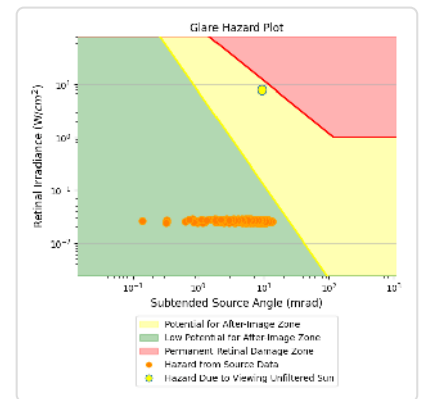
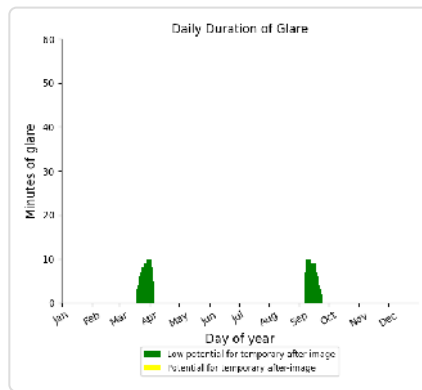
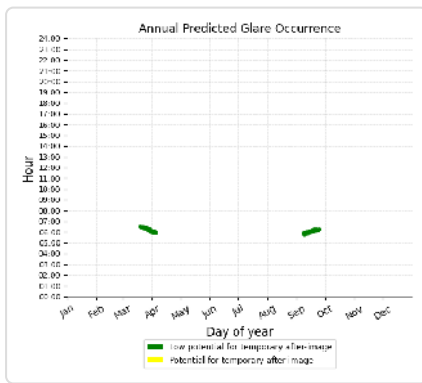
E1: OP 17

No glare found

E1: OP 18

PV array is expected to produce the following glare for this receptor:

- 321 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E1: OP 19

No glare found

E1: OP 20

No glare found

E1: OP 21

No glare found

E1: OP 22

No glare found

E1: OP 23

No glare found

E1: OP 24

No glare found

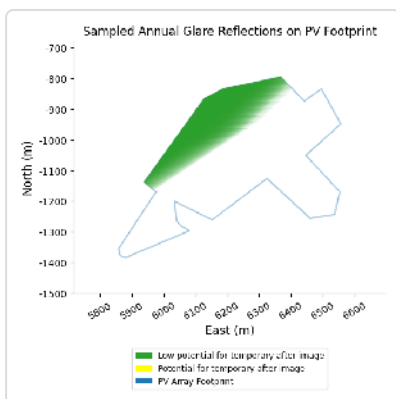
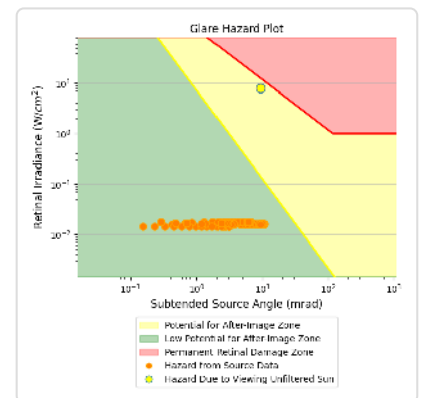
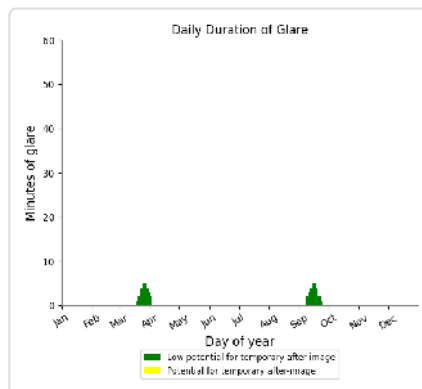
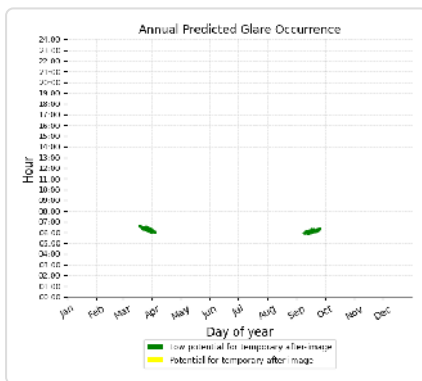
E1: OP 25

No glare found

E1: OP 26

PV array is expected to produce the following glare for this receptor:

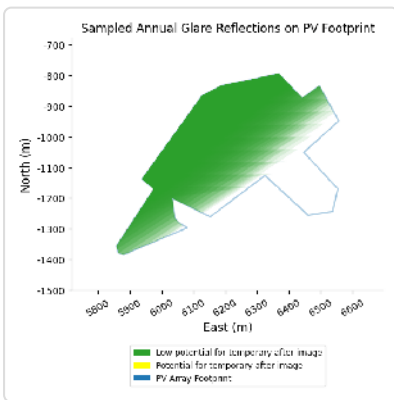
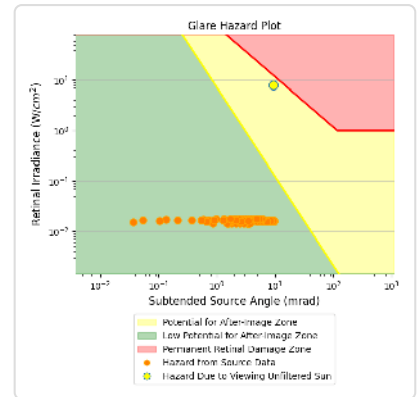
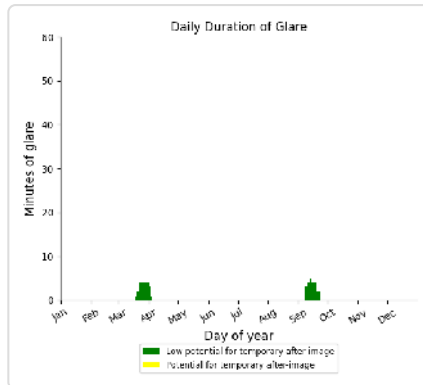
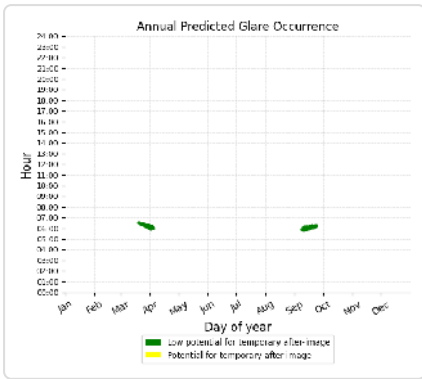
- 109 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E1: OP 27

PV array is expected to produce the following glare for this receptor:

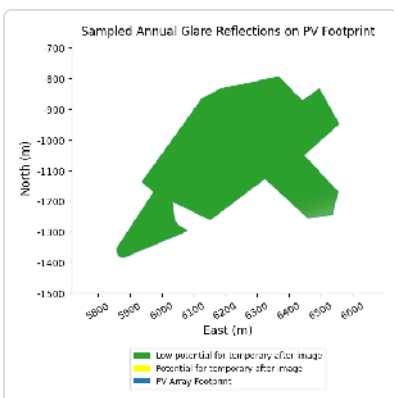
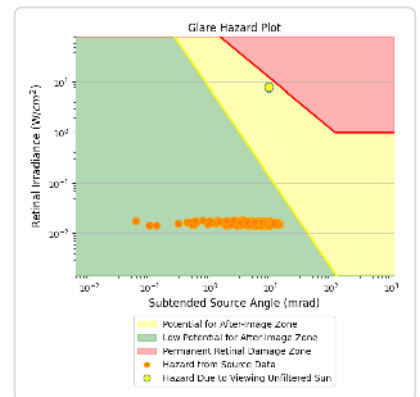
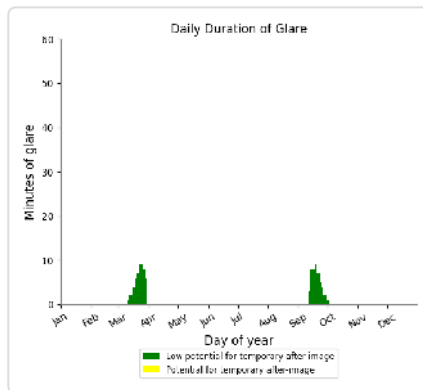
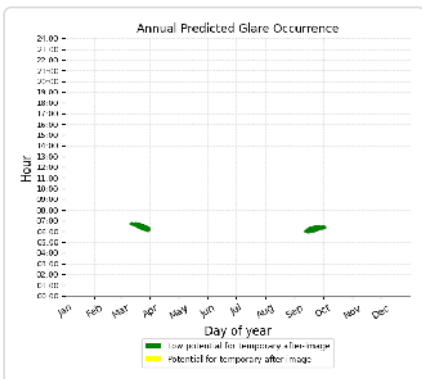
- 109 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E1: OP 28

PV array is expected to produce the following glare for this receptor:

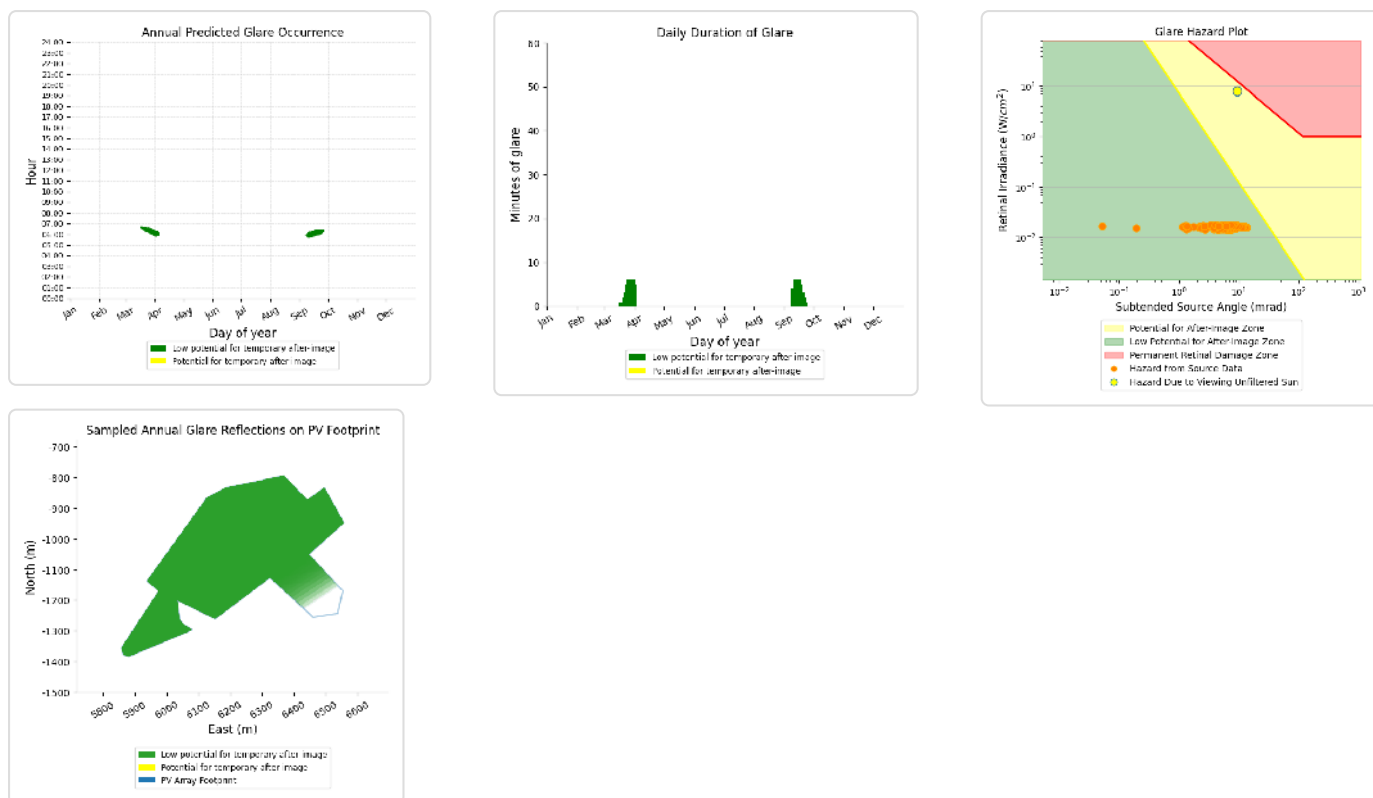
- 223 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E1: OP 29

PV array is expected to produce the following glare for this receptor:

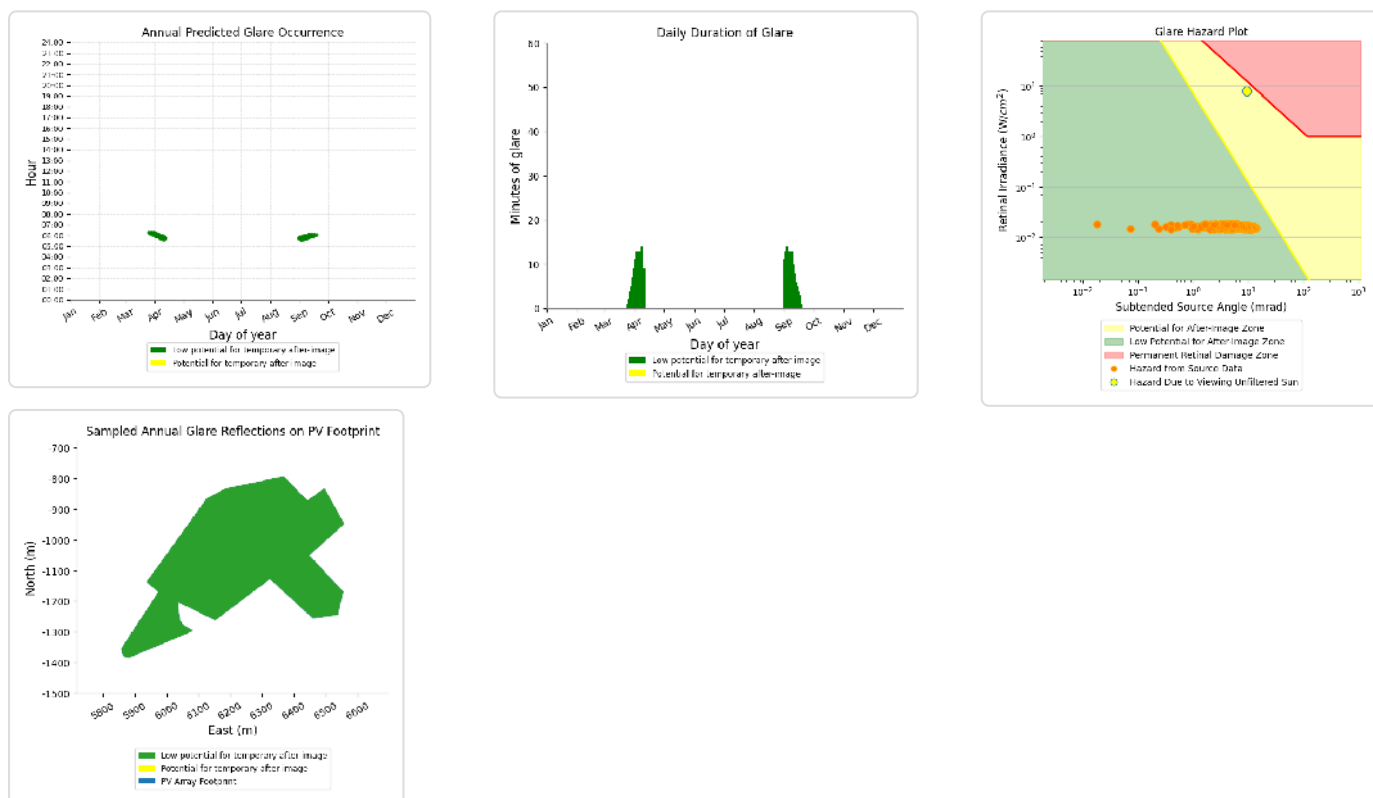
- 155 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E1: OP 30

PV array is expected to produce the following glare for this receptor:

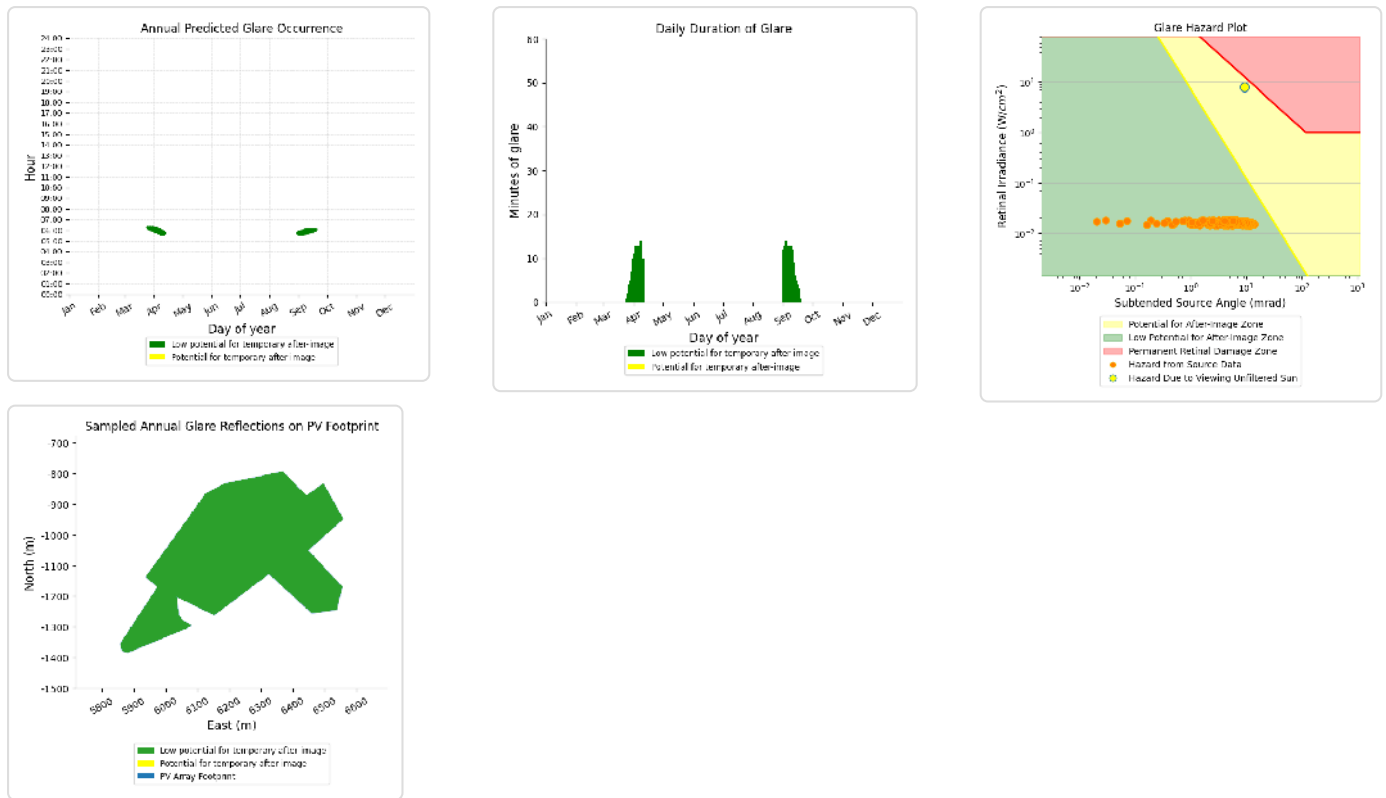
- 360 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E1: OP 31

PV array is expected to produce the following glare for this receptor:

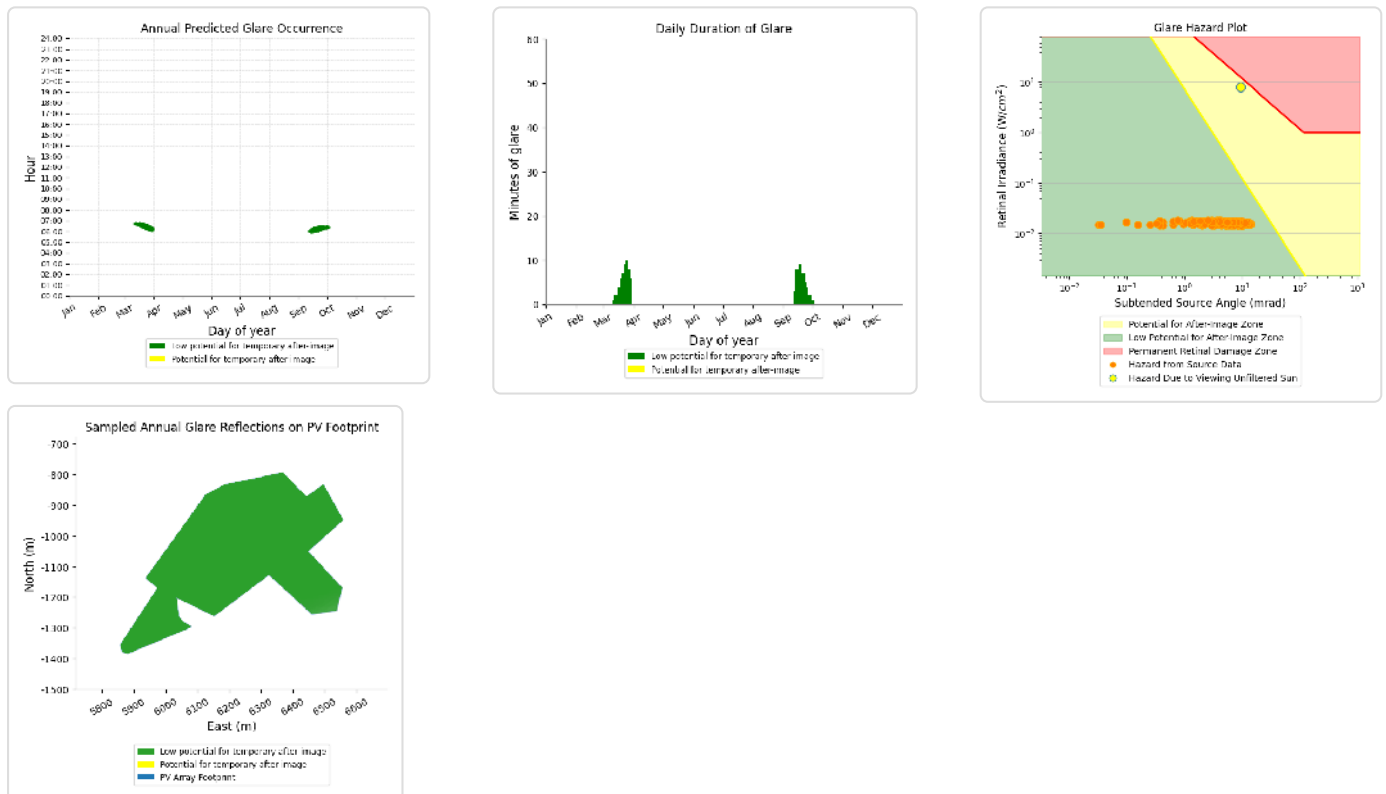
- 368 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E1: OP 32

PV array is expected to produce the following glare for this receptor:

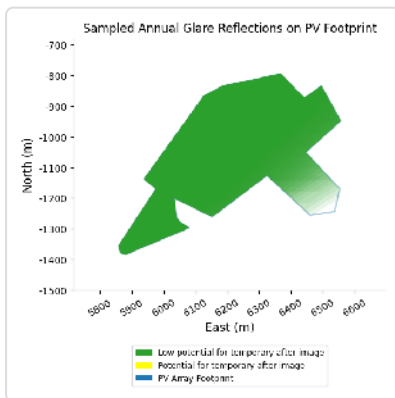
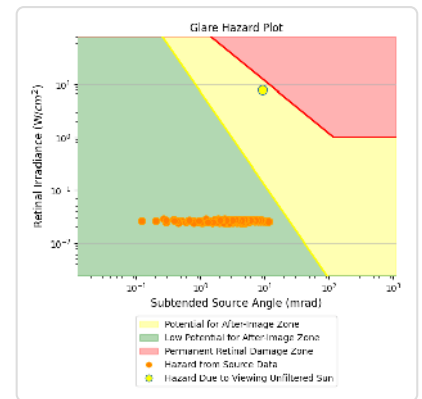
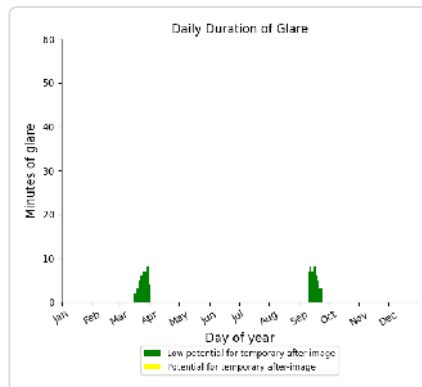
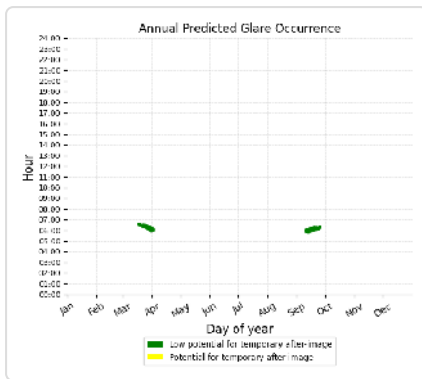
- 230 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E1: OP 33

PV array is expected to produce the following glare for this receptor:

- 163 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



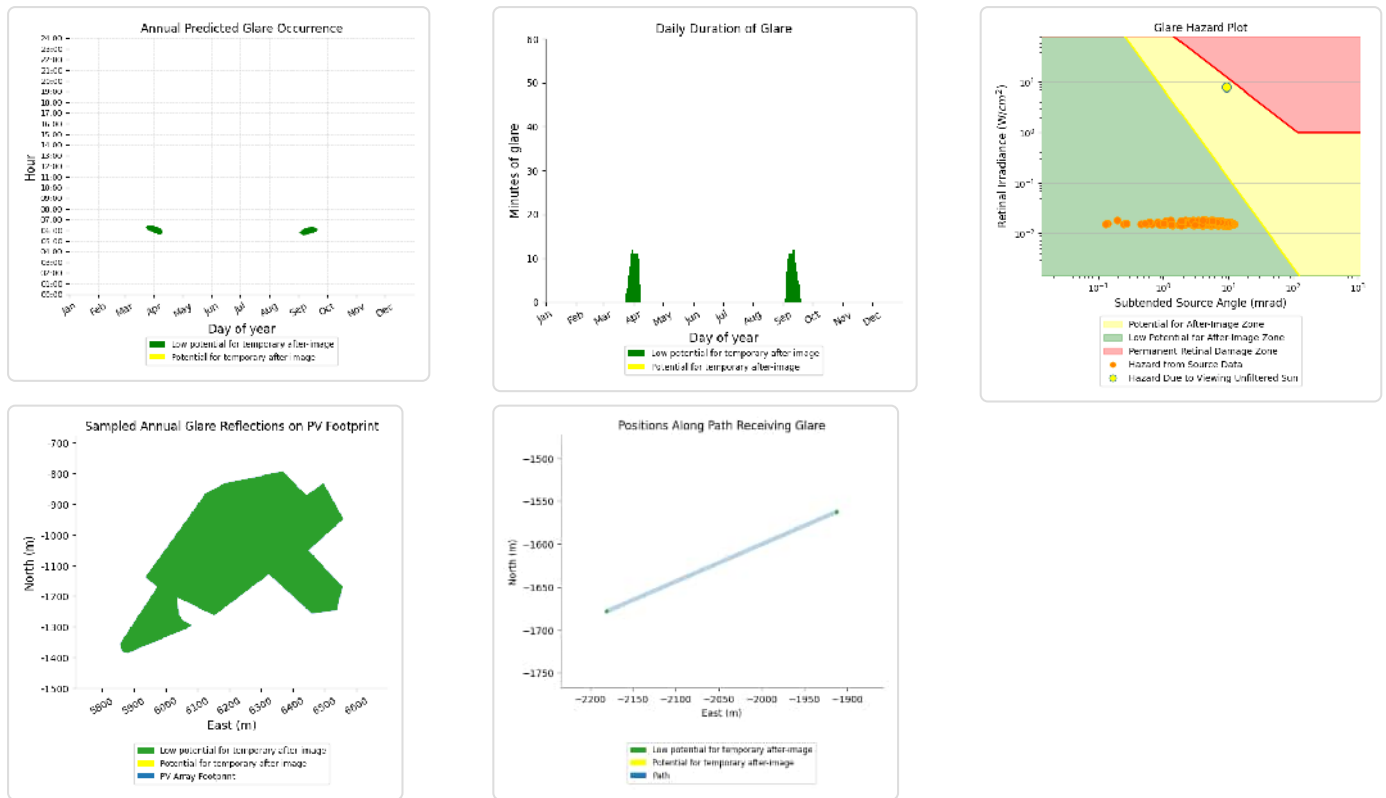
E1: A429

No glare found

E1: Rail 1

PV array is expected to produce the following glare for this receptor:

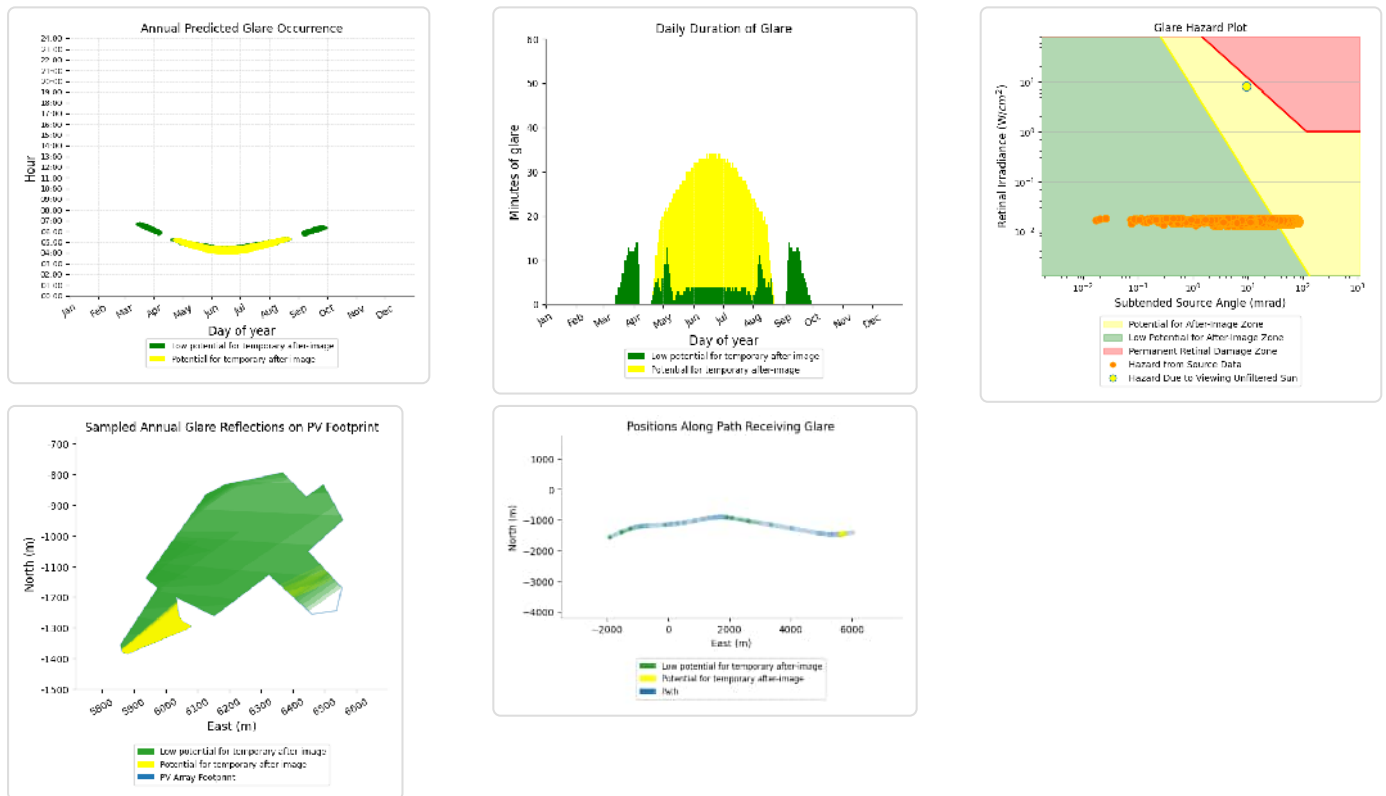
- 268 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E1: Rail 2

PV array is expected to produce the following glare for this receptor:

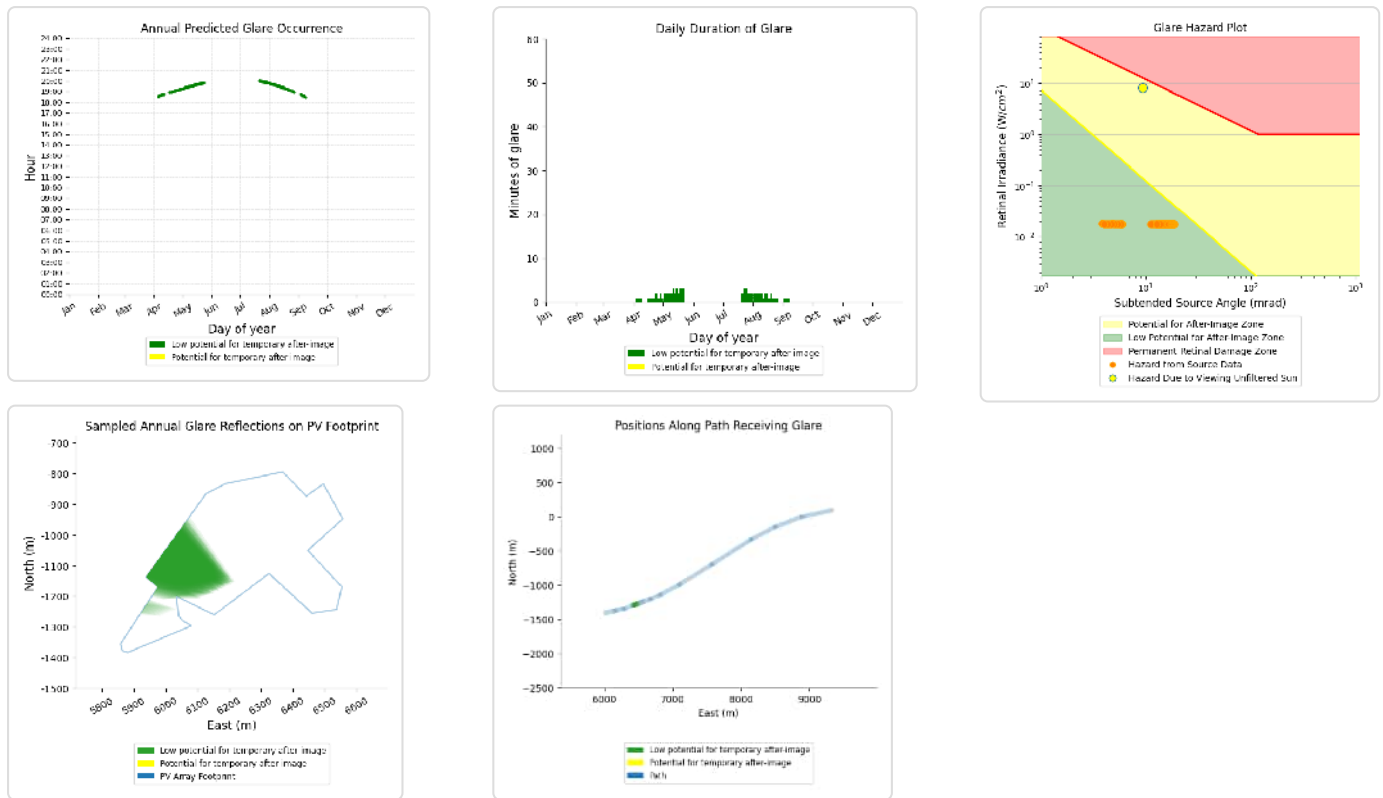
- 963 minutes of "green" glare with low potential to cause temporary after-image.
- 2,713 minutes of "yellow" glare with potential to cause temporary after-image.



E1: Rail 3

PV array is expected to produce the following glare for this receptor:

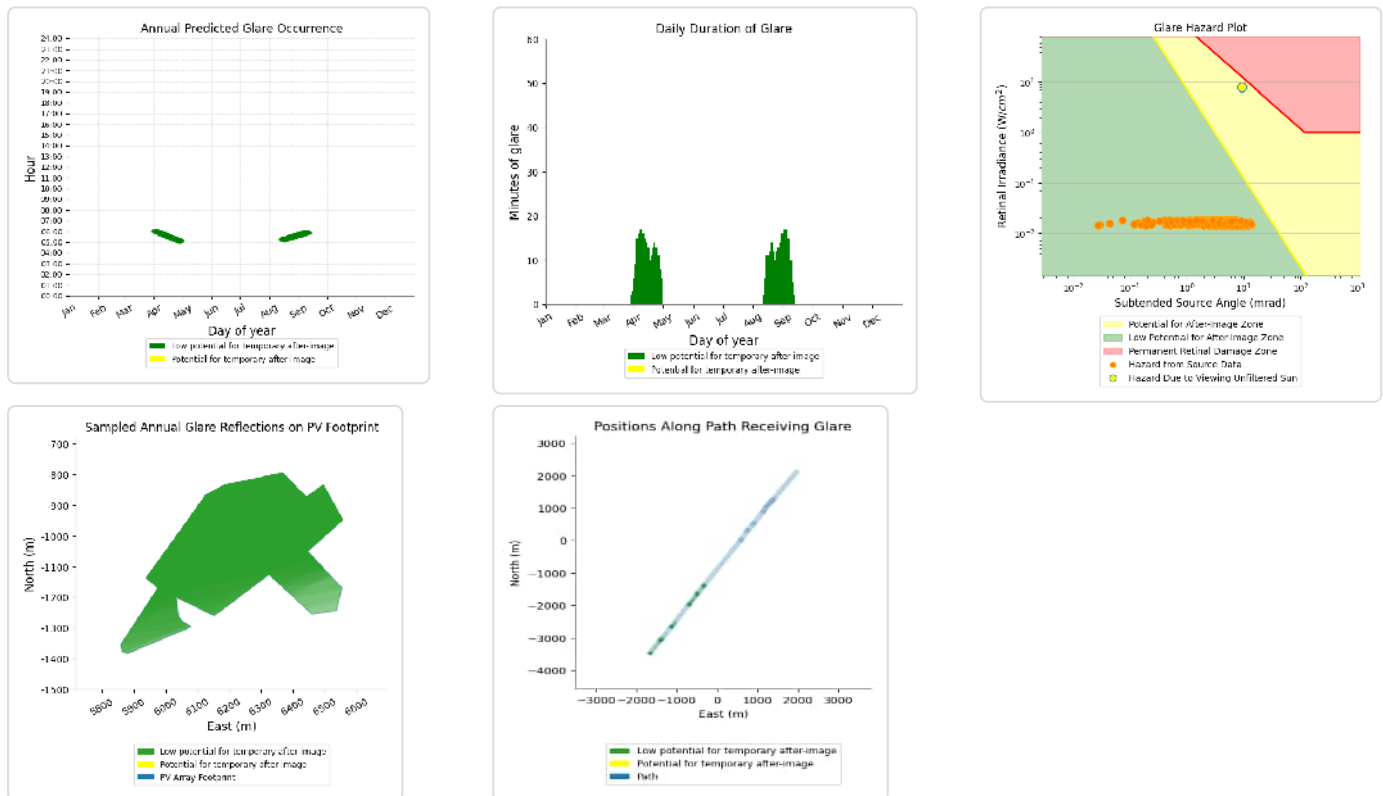
- 153 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E1: Road 1

PV array is expected to produce the following glare for this receptor:

- 777 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



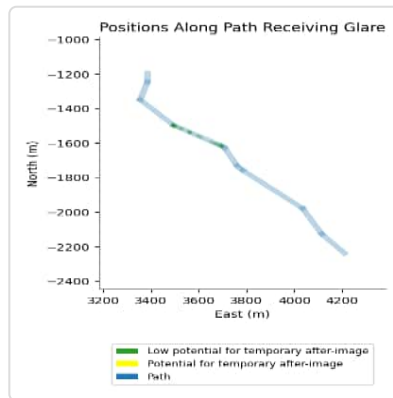
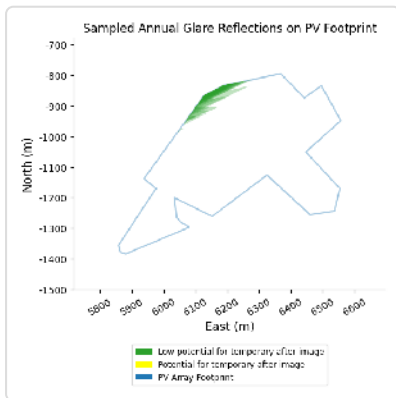
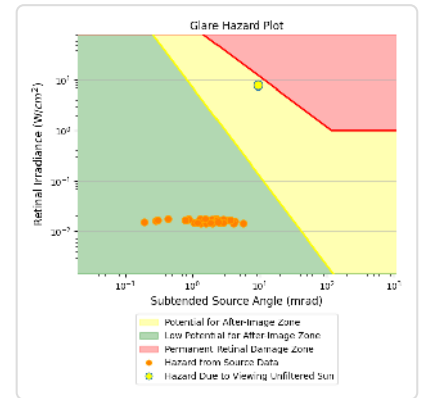
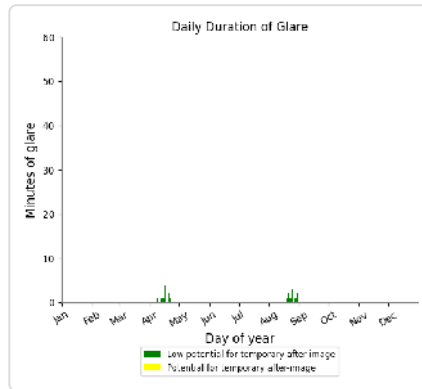
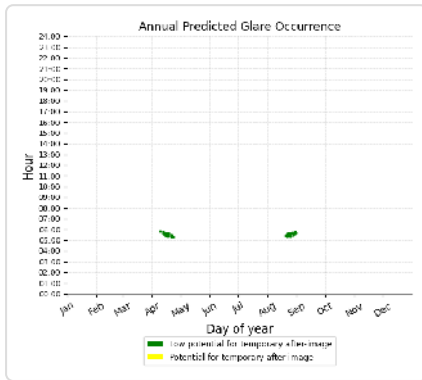
E1: Road 2

No glare found

E1: Route 6

PV array is expected to produce the following glare for this receptor:

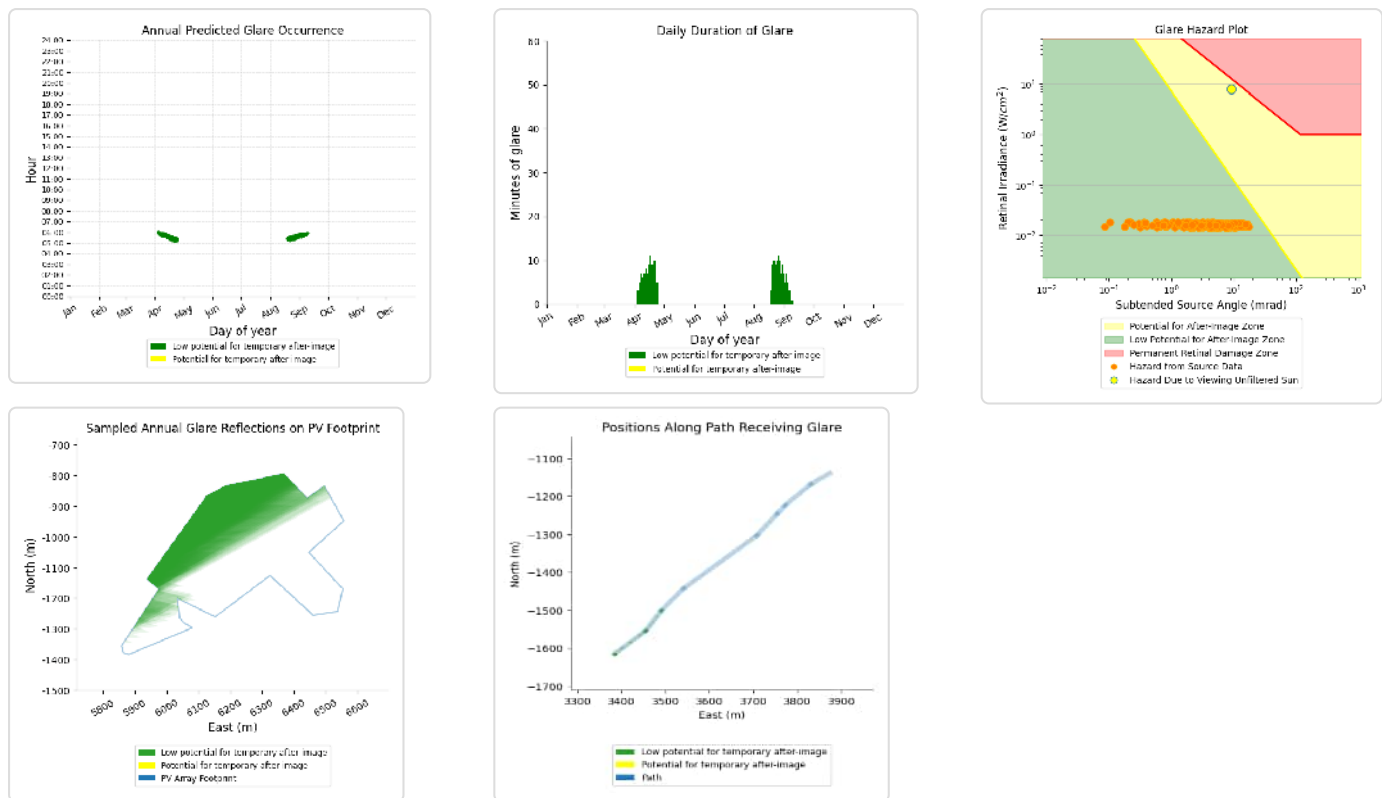
- 32 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E1: Route 7

PV array is expected to produce the following glare for this receptor:

- 313 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Bowldown Farm RWY04	0	0
FP: Bowldown Farm RWY09	2303	0
FP: Bowldown Farm RWY22	0	0
FP: Bowldown Farm RWY27	0	0
FP: Charlton Park RWY07	0	0
FP: Charlton Park RWY25	0	0
FP: Langley House RWY 03	0	0
FP: Langley House RWY04	0	0
FP: Langley House RWY 21	0	0
FP: Langley House RWY22	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0

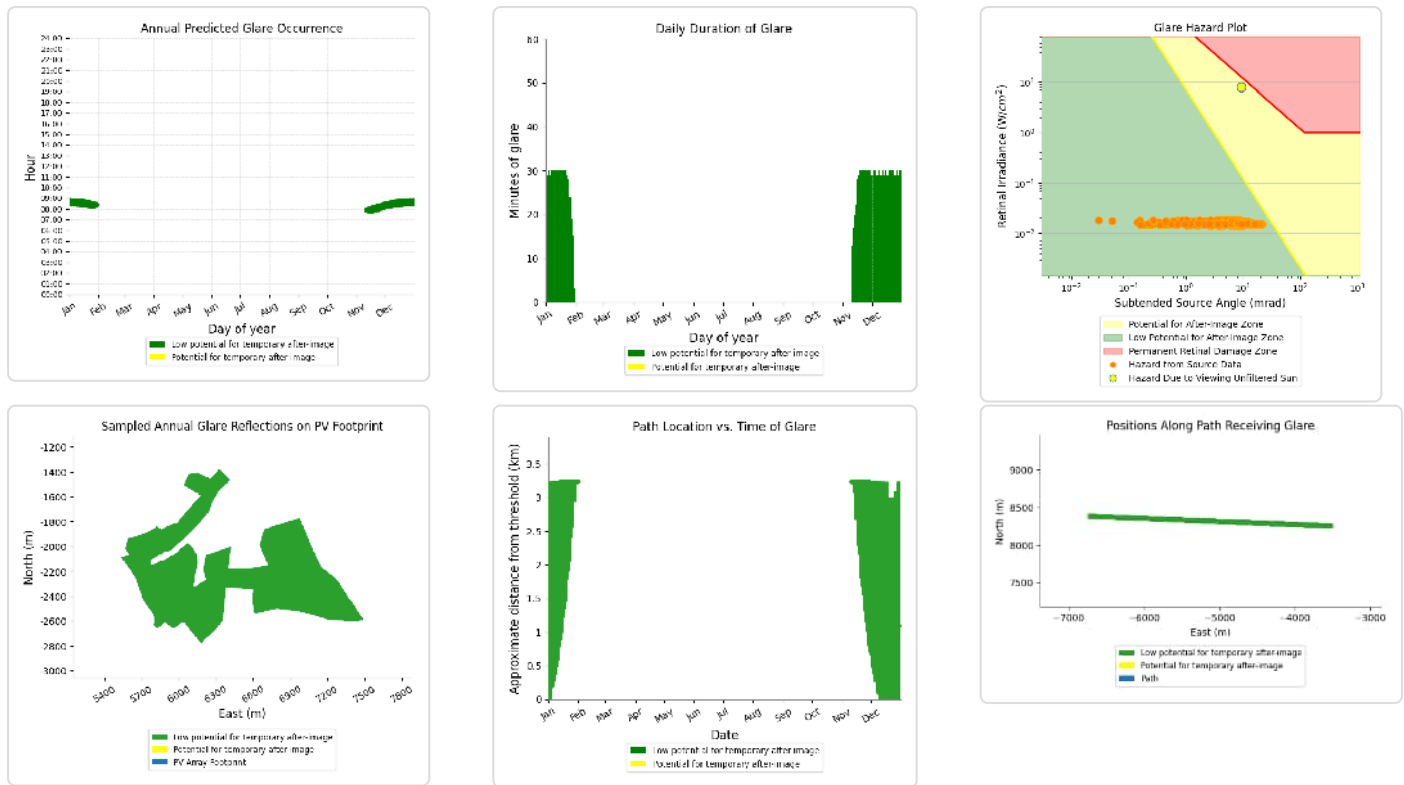
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	902	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	348	0
OP: OP 23	356	0
OP: OP 24	0	0
OP: OP 25	5621	2263
OP: OP 26	799	0
OP: OP 27	379	0
OP: OP 28	618	0
OP: OP 29	504	0
OP: OP 30	759	0
OP: OP 31	777	0
OP: OP 32	643	0
OP: OP 33	524	0
Route: A429	2150	584
Route: Rail 1	641	0
Route: Rail 2	2337	8021
Route: Rail 3	5204	11829
Route: Road 1	783	0
Route: Road 2	583	0
Route: Route 6	1727	421
Route: Route 7	789	30

E2: Bowldown Farm RWY04*No glare found*

E2: Bowldown Farm RWY09

PV array is expected to produce the following glare for this receptor:

- 2,303 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: Bowldown Farm RWY22

No glare found

E2: Bowldown Farm RWY27

No glare found

E2: Charlton Park RWY07

No glare found

E2: Charlton Park RWY25

No glare found

E2: Langley House RWY 03

No glare found

E2: Langley House RWY04

No glare found

E2: Langley House RWY 21

No glare found

E2: Langley House RWY22

No glare found

E2: OP 1

No glare found

E2: OP 2

No glare found

E2: OP 3

No glare found

E2: OP 4

No glare found

E2: OP 5

No glare found

E2: OP 6

No glare found

E2: OP 7

No glare found

E2: OP 8

No glare found

E2: OP 9

No glare found

E2: OP 10

No glare found

E2: OP 11

No glare found

E2: OP 12

No glare found

E2: OP 13

No glare found

E2: OP 14

No glare found

E2: OP 15

No glare found

E2: OP 16

No glare found

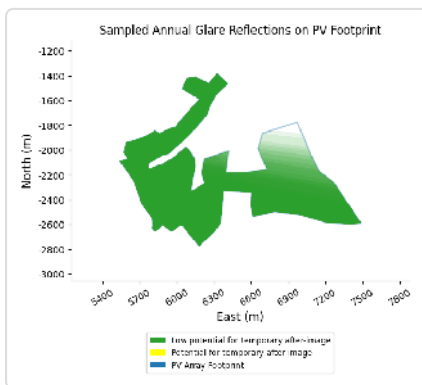
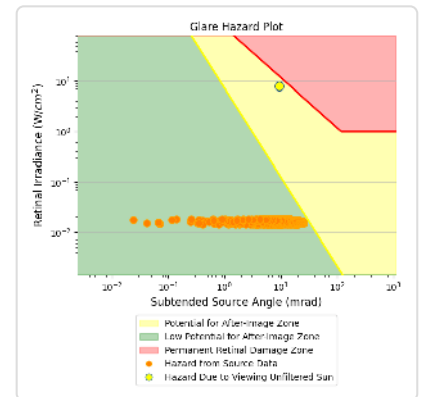
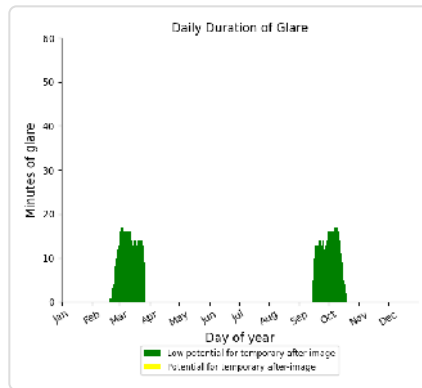
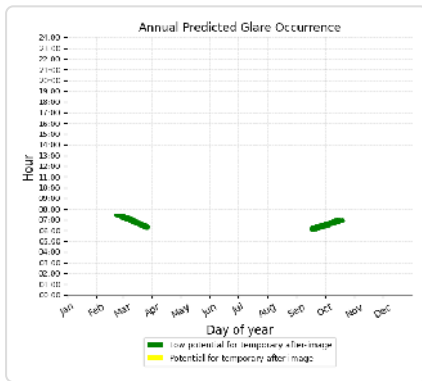
E2: OP 17

No glare found

E2: OP 18

PV array is expected to produce the following glare for this receptor:

- 902 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: OP 19

No glare found

E2: OP 20

No glare found

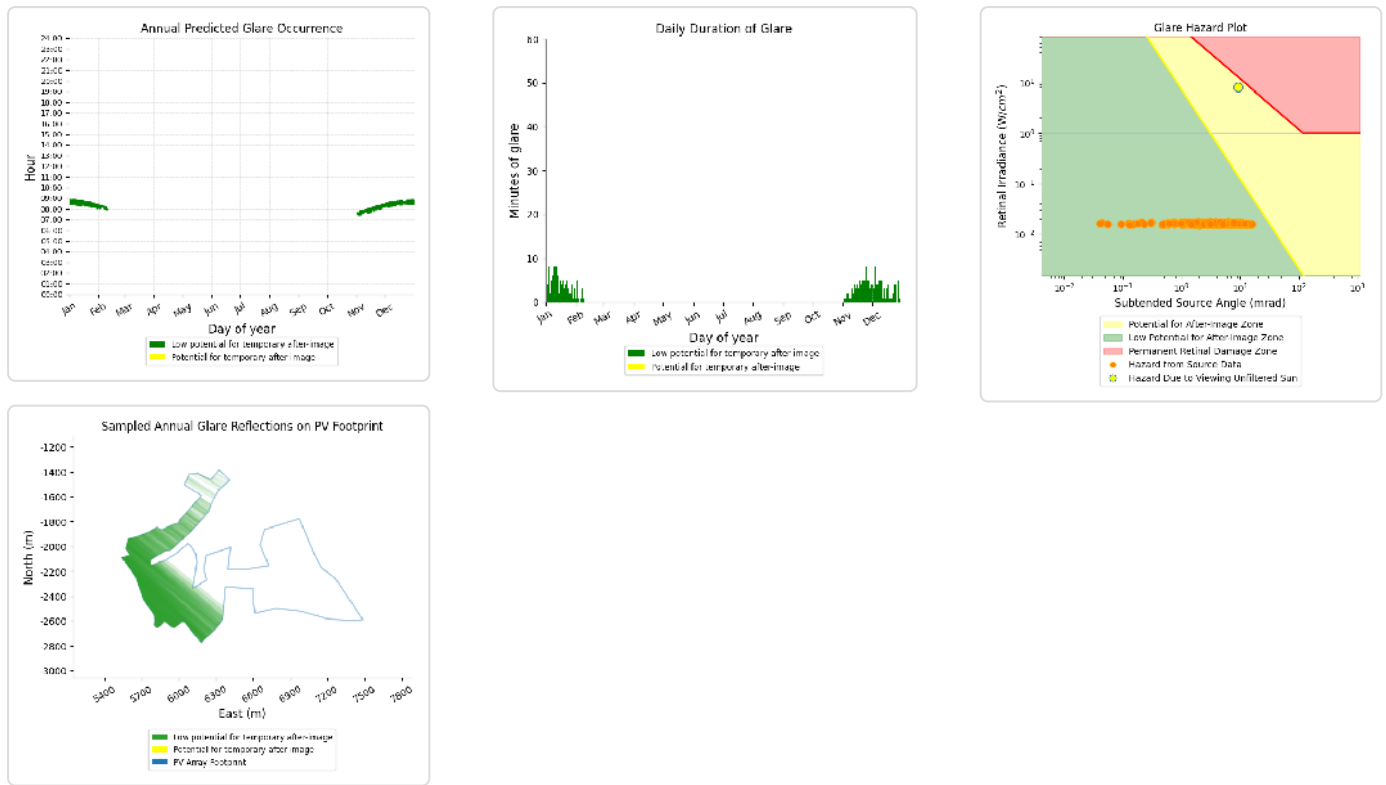
E2: OP 21

No glare found

E2: OP 22

PV array is expected to produce the following glare for this receptor:

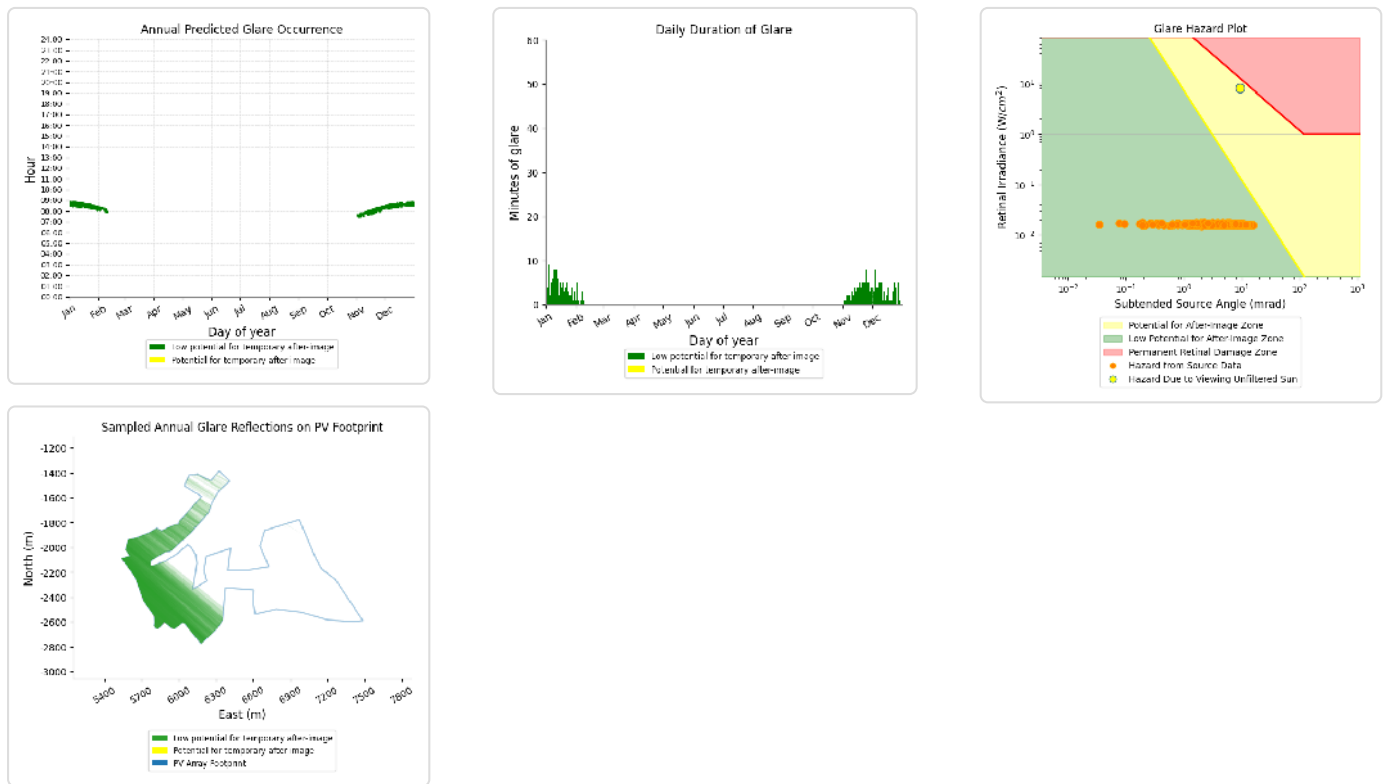
- 348 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: OP 23

PV array is expected to produce the following glare for this receptor:

- 356 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



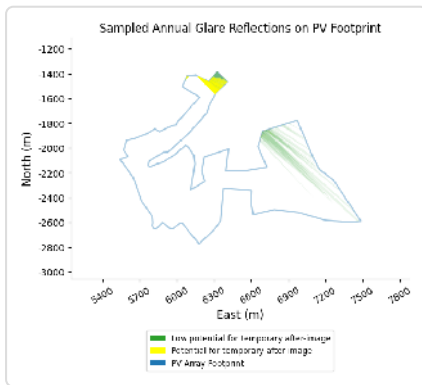
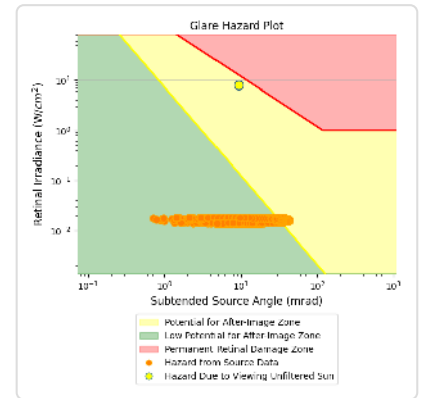
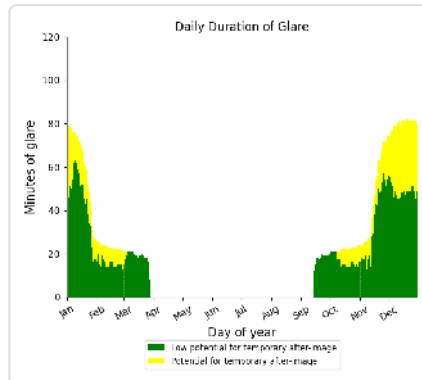
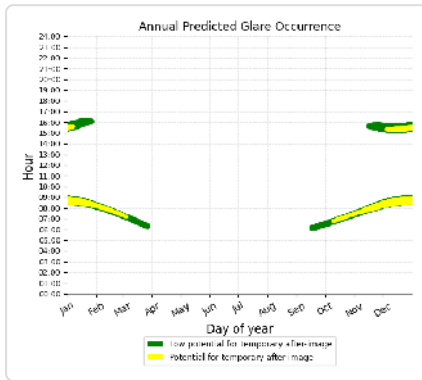
E2: OP 24

No glare found

E2: OP 25

PV array is expected to produce the following glare for this receptor:

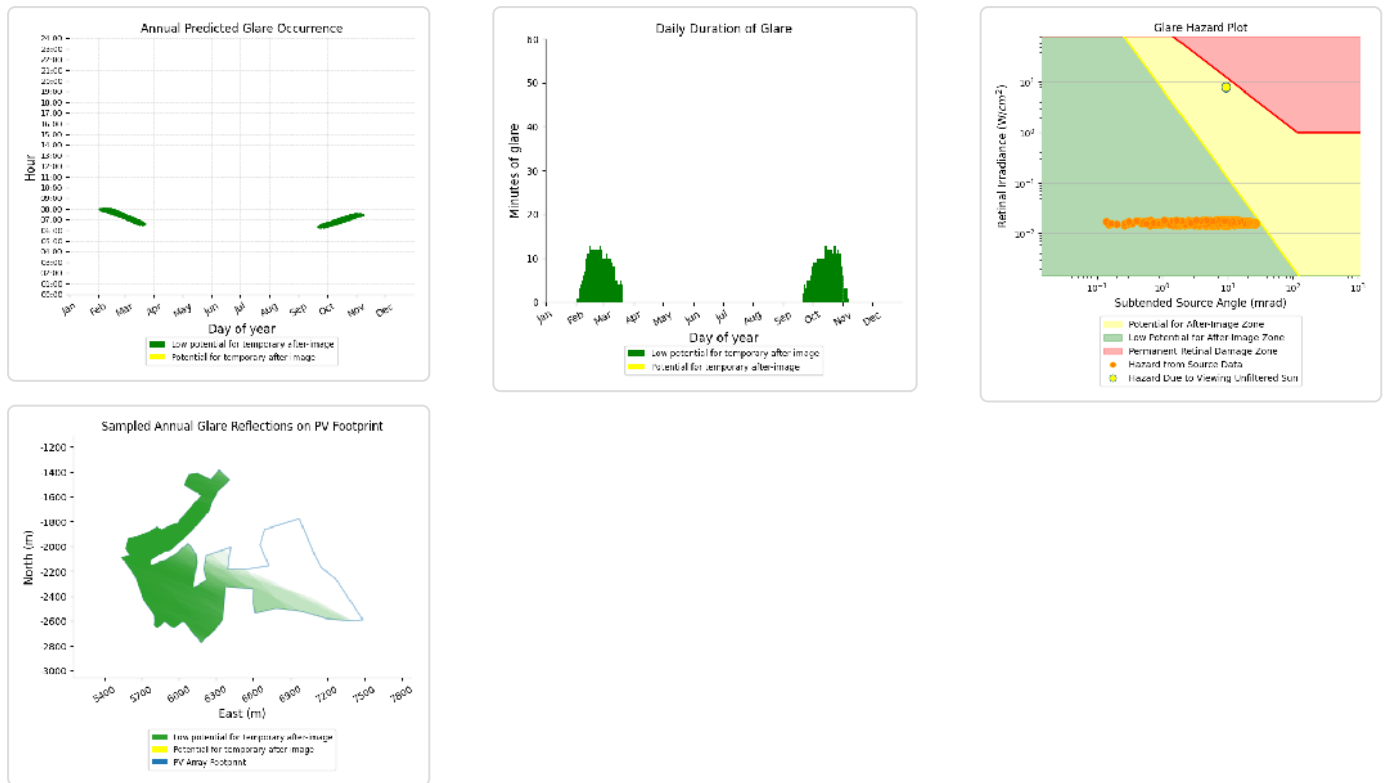
- 5,621 minutes of "green" glare with low potential to cause temporary after-image.
- 2,263 minutes of "yellow" glare with potential to cause temporary after-image.



E2: OP 26

PV array is expected to produce the following glare for this receptor:

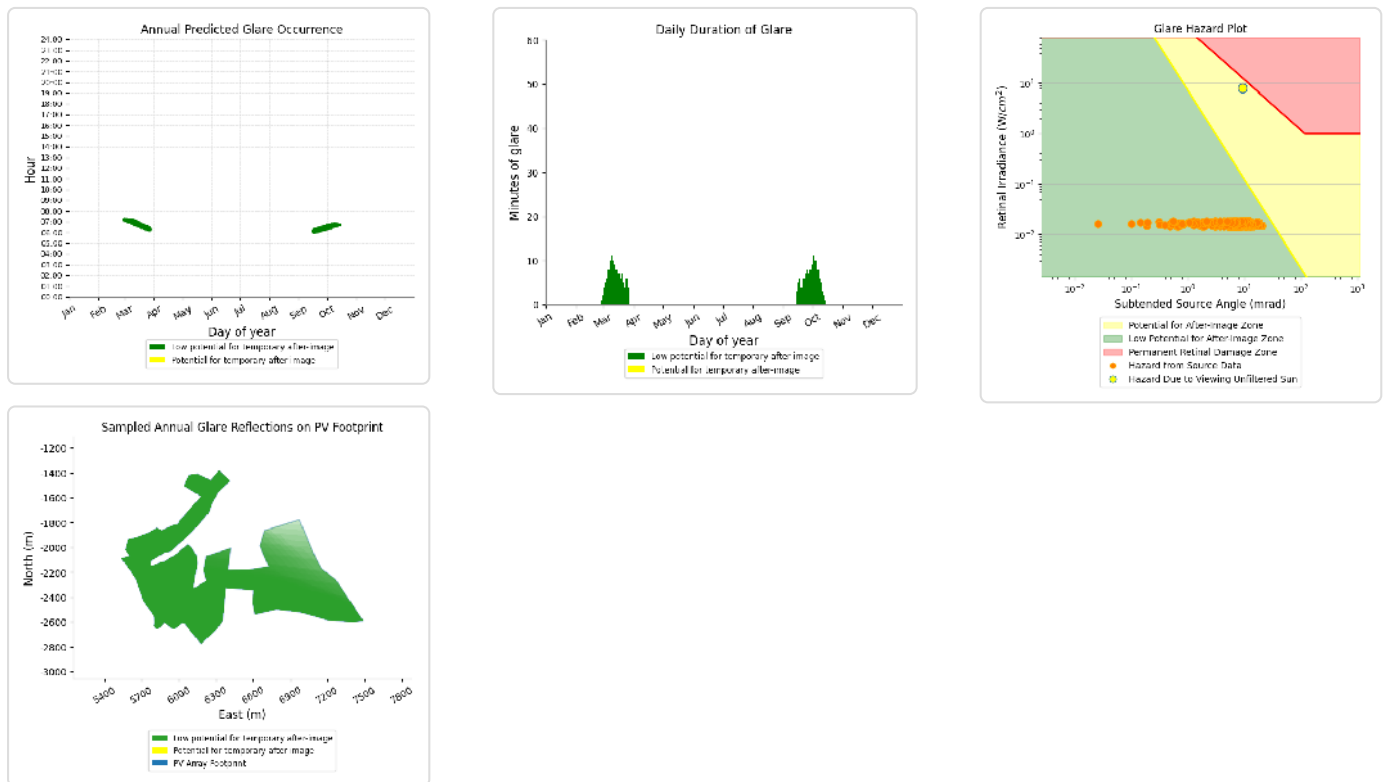
- 799 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: OP 27

PV array is expected to produce the following glare for this receptor:

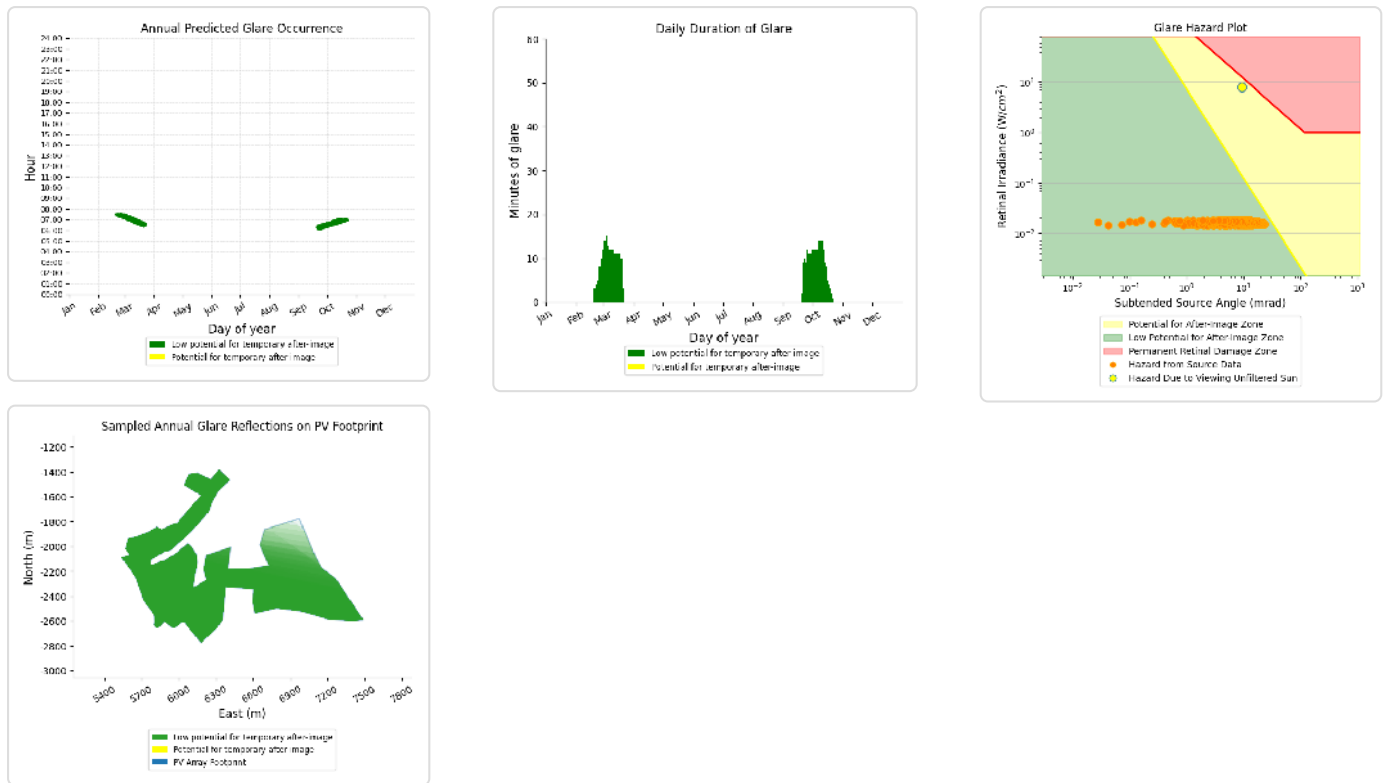
- 379 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: OP 28

PV array is expected to produce the following glare for this receptor:

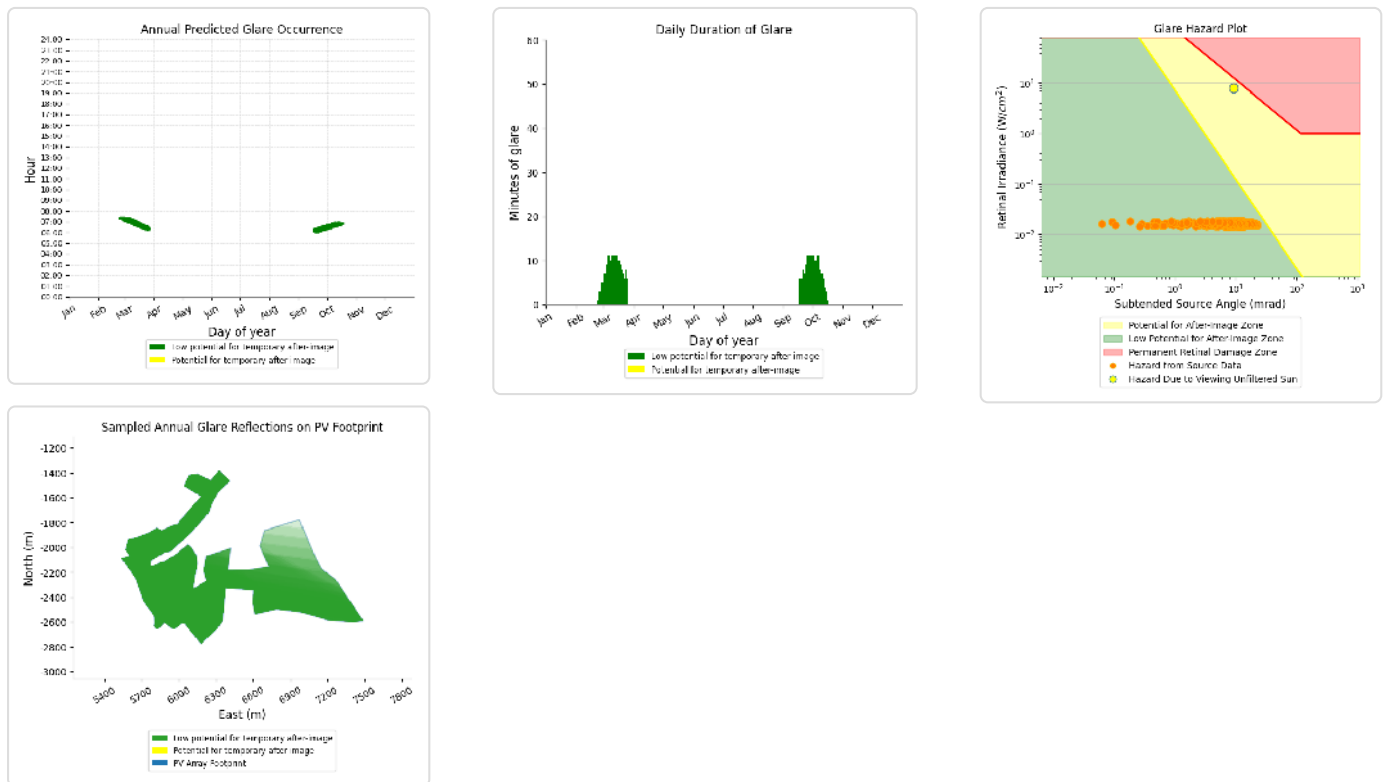
- 618 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: OP 29

PV array is expected to produce the following glare for this receptor:

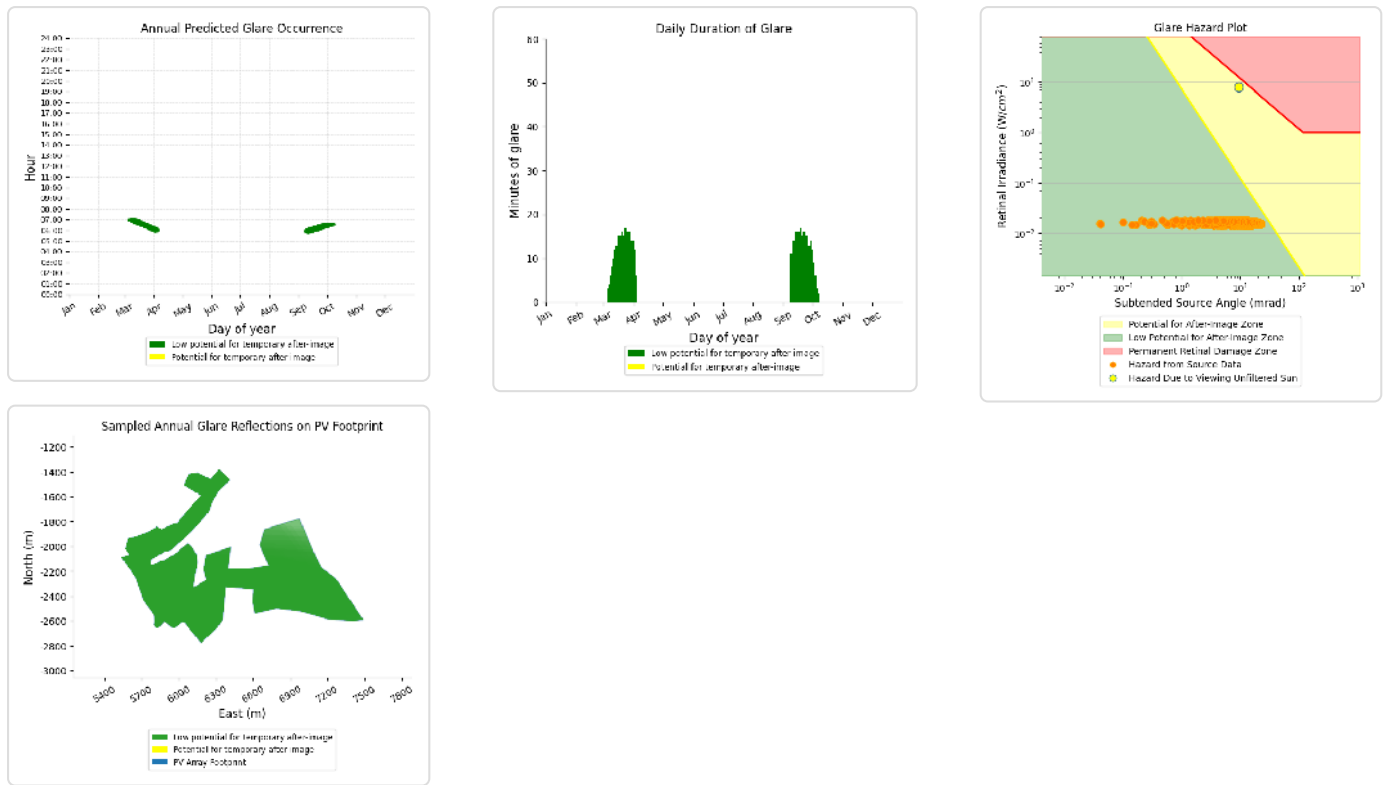
- 504 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: OP 30

PV array is expected to produce the following glare for this receptor:

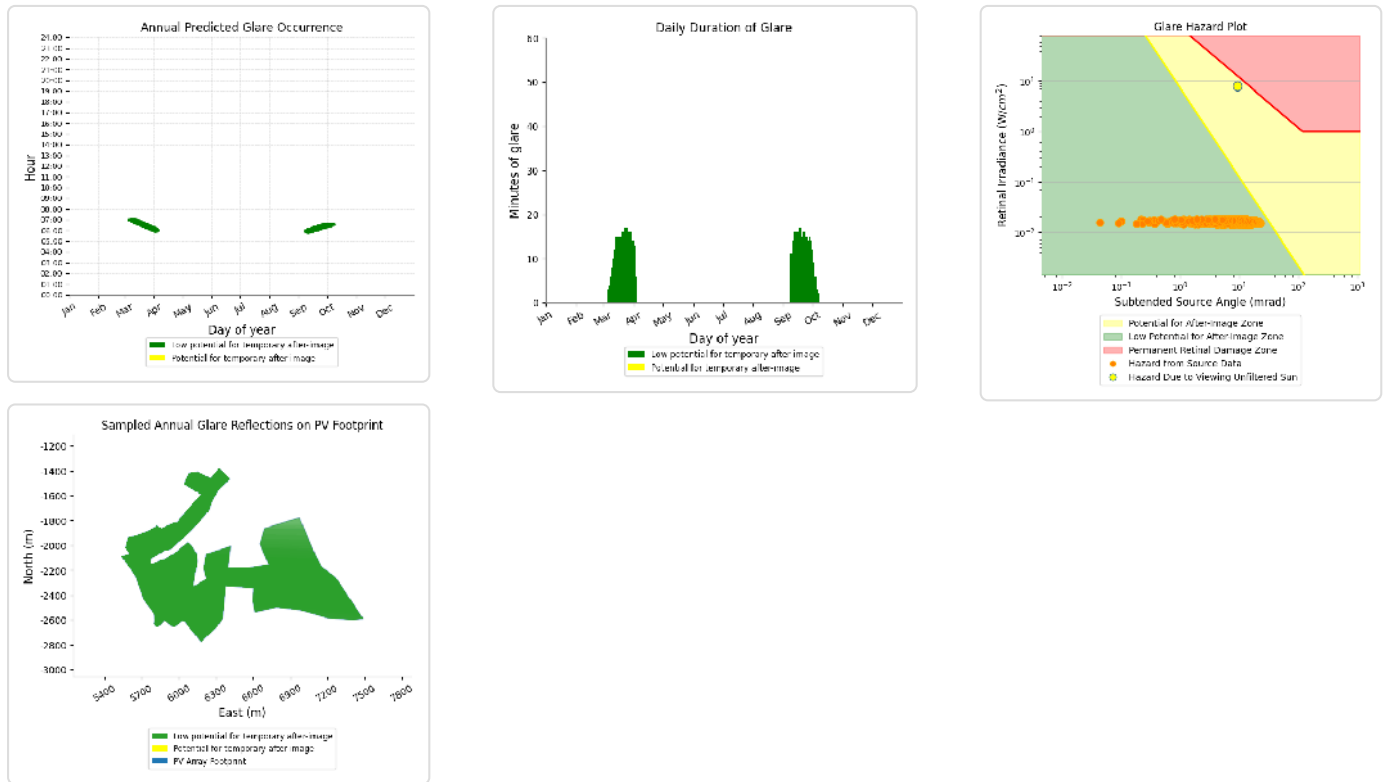
- 759 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: OP 31

PV array is expected to produce the following glare for this receptor:

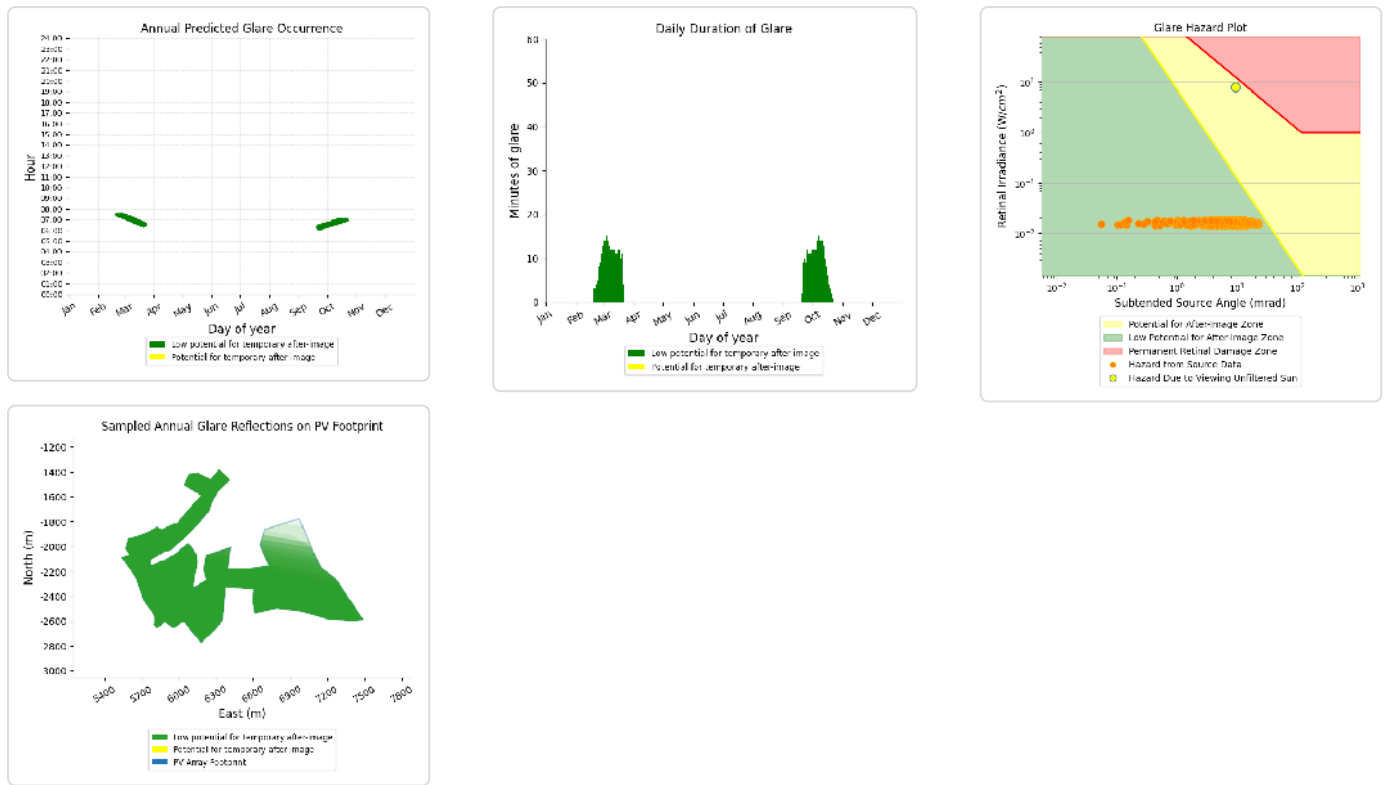
- 777 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: OP 32

PV array is expected to produce the following glare for this receptor:

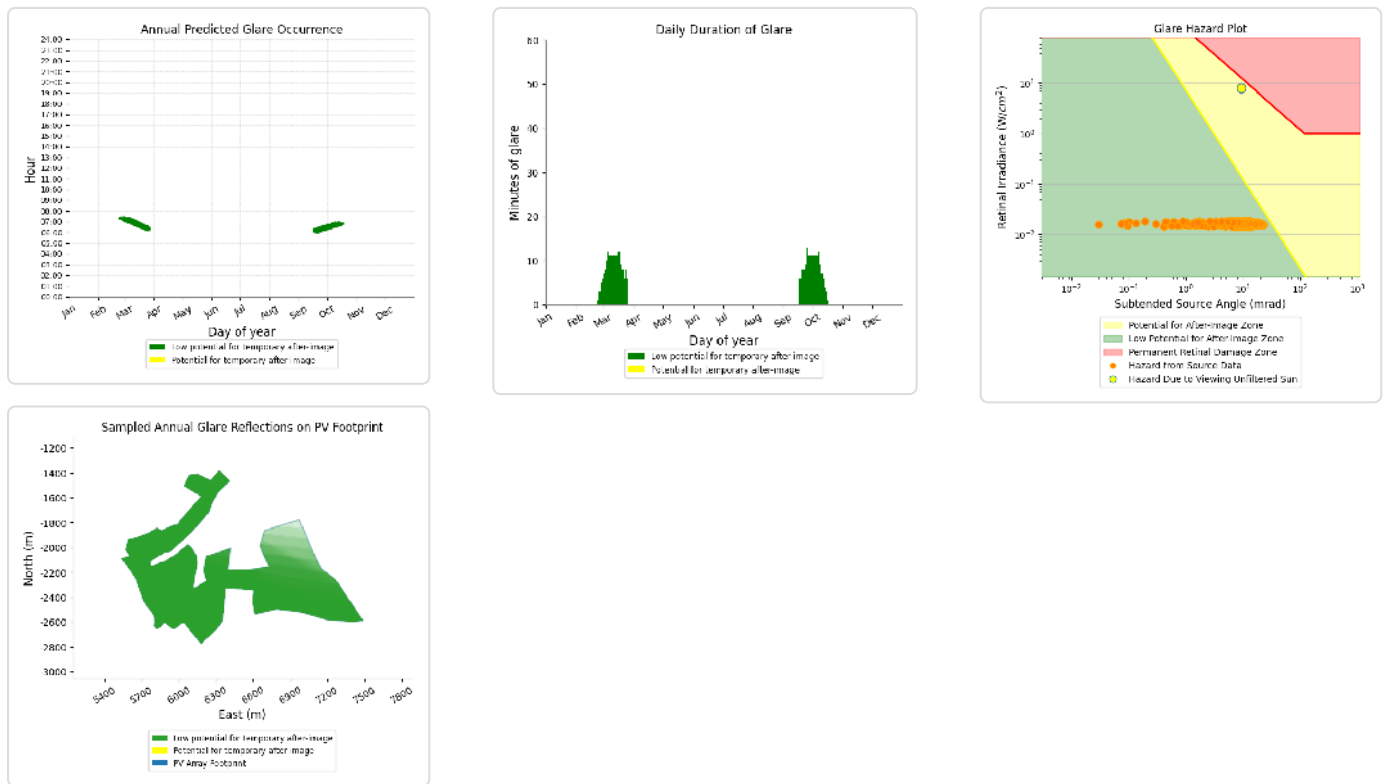
- 643 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: OP 33

PV array is expected to produce the following glare for this receptor:

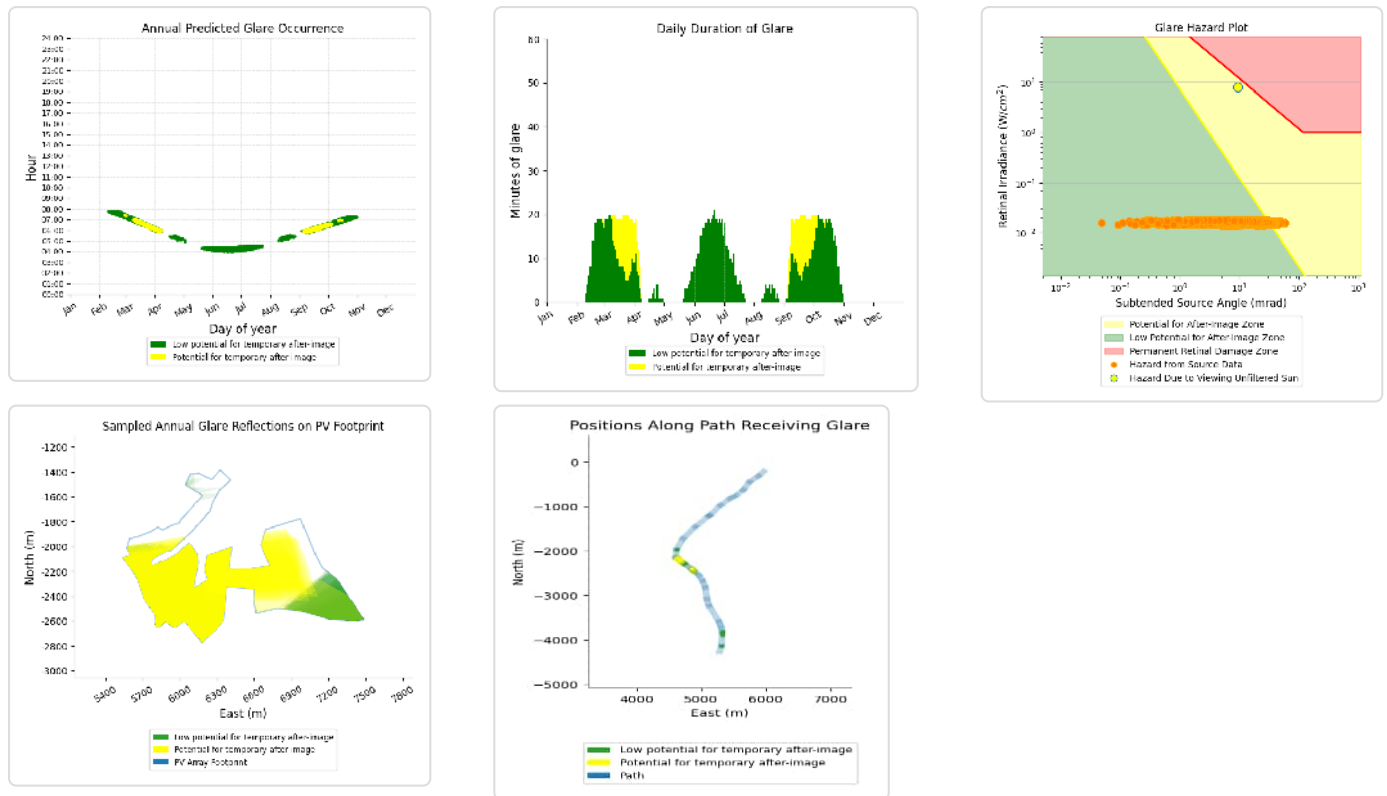
- 524 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: A429

PV array is expected to produce the following glare for this receptor:

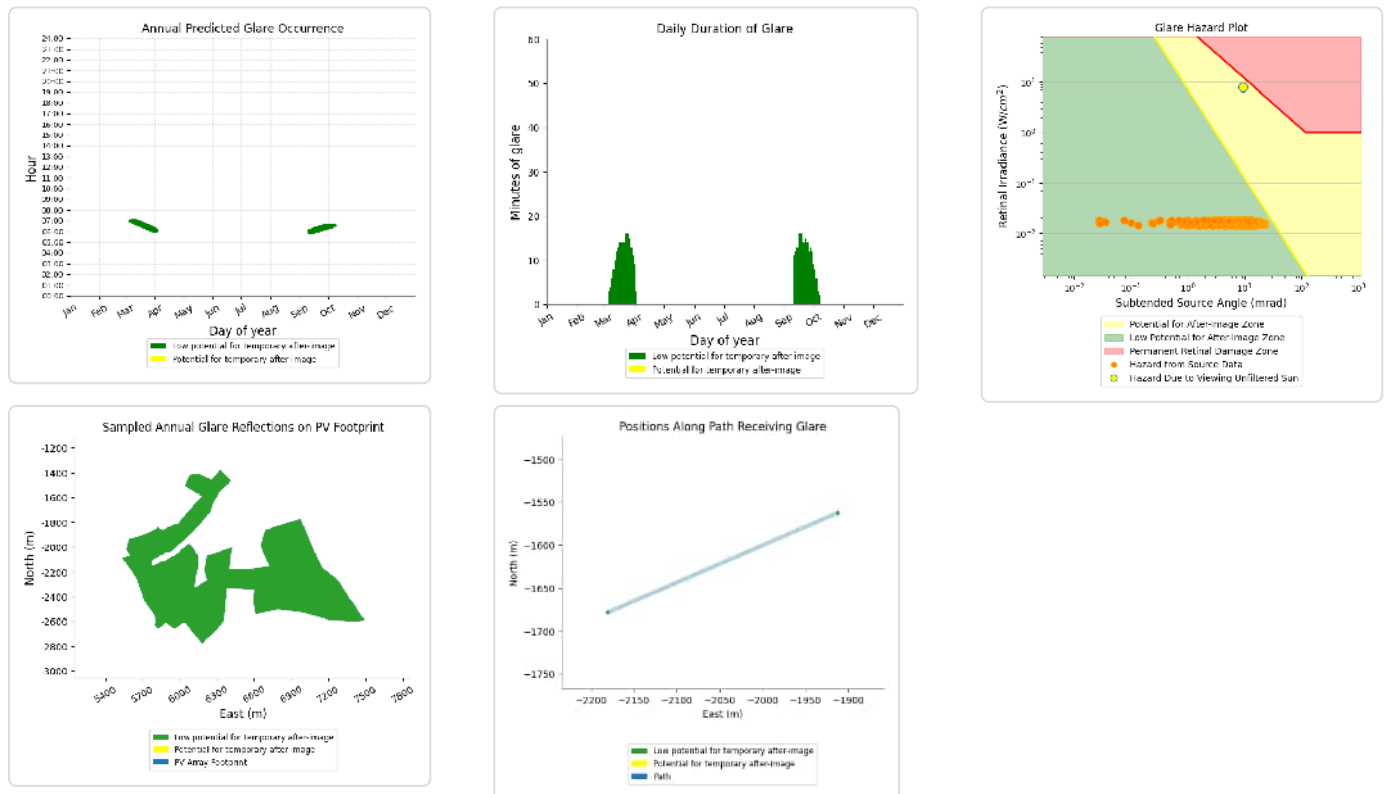
- 2,150 minutes of "green" glare with low potential to cause temporary after-image.
- 584 minutes of "yellow" glare with potential to cause temporary after-image.



E2: Rail 1

PV array is expected to produce the following glare for this receptor:

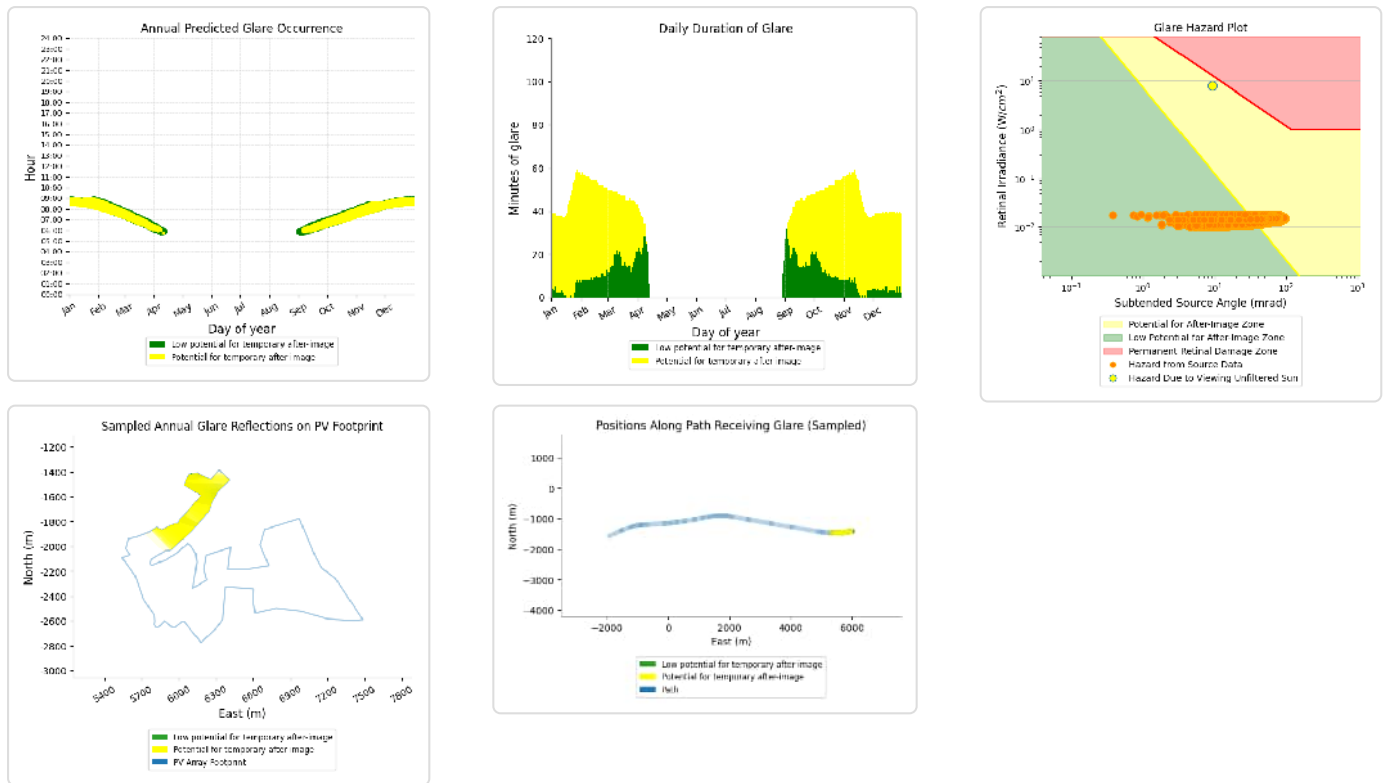
- 641 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: Rail 2

PV array is expected to produce the following glare for this receptor:

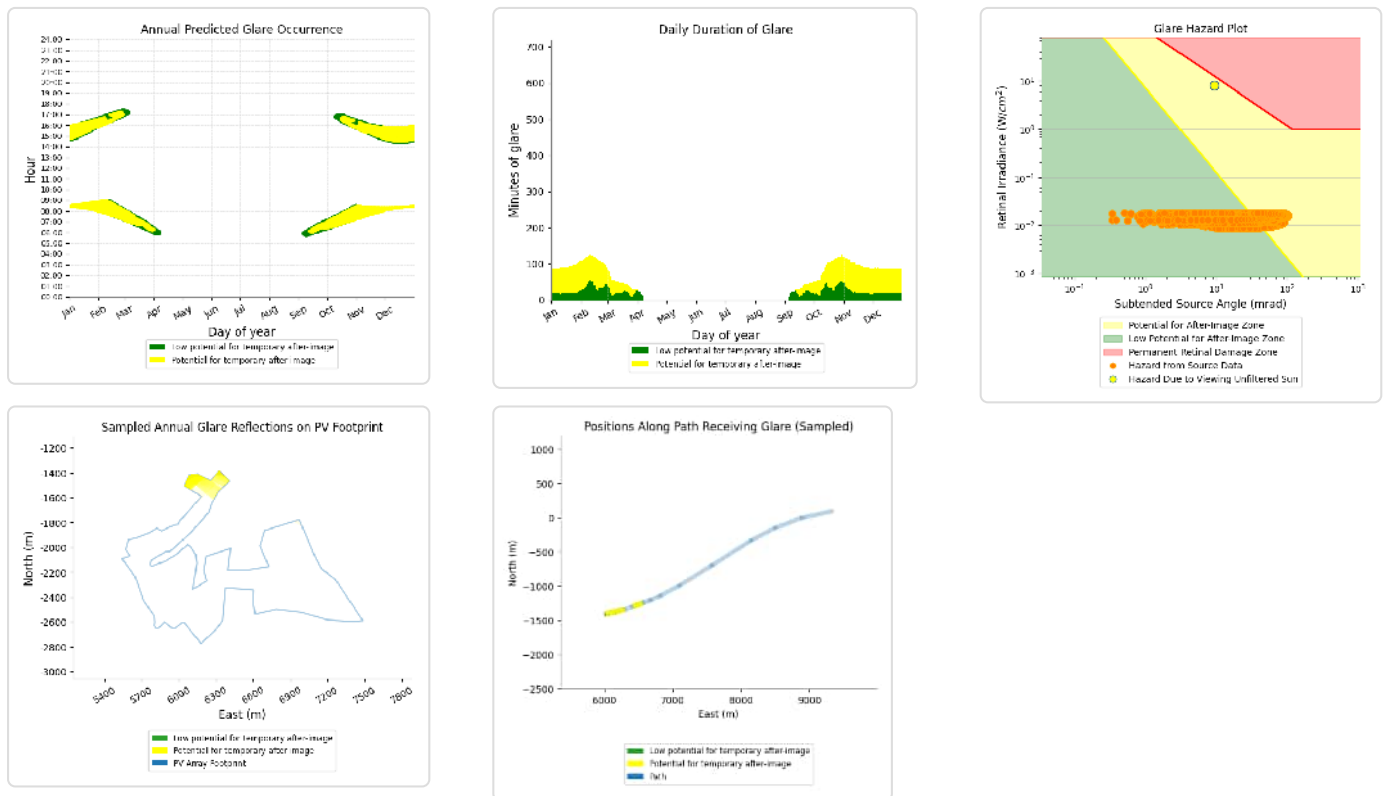
- 2,337 minutes of "green" glare with low potential to cause temporary after-image.
- 8,021 minutes of "yellow" glare with potential to cause temporary after-image.



E2: Rail 3

PV array is expected to produce the following glare for this receptor:

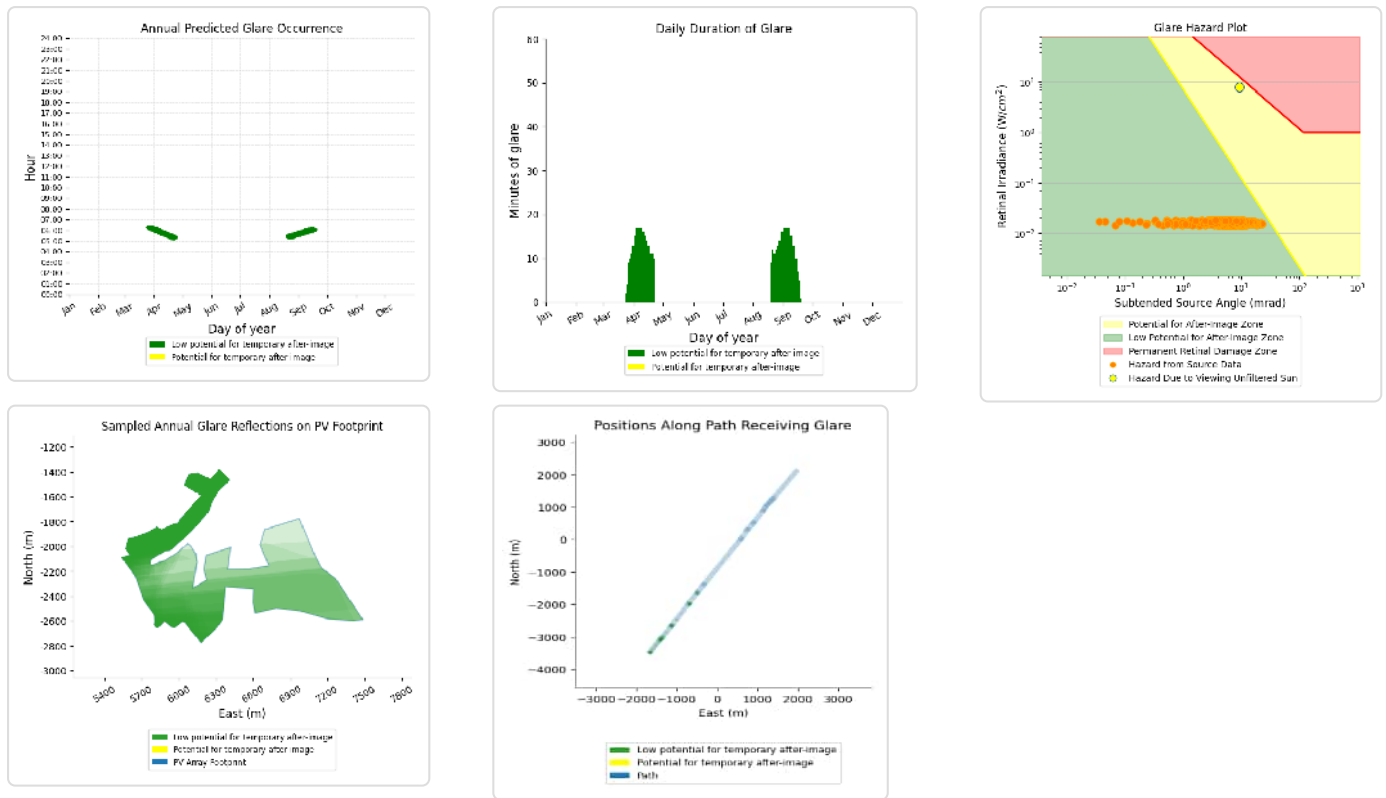
- 5,204 minutes of "green" glare with low potential to cause temporary after-image.
- 11,829 minutes of "yellow" glare with potential to cause temporary after-image.



E2: Road 1

PV array is expected to produce the following glare for this receptor:

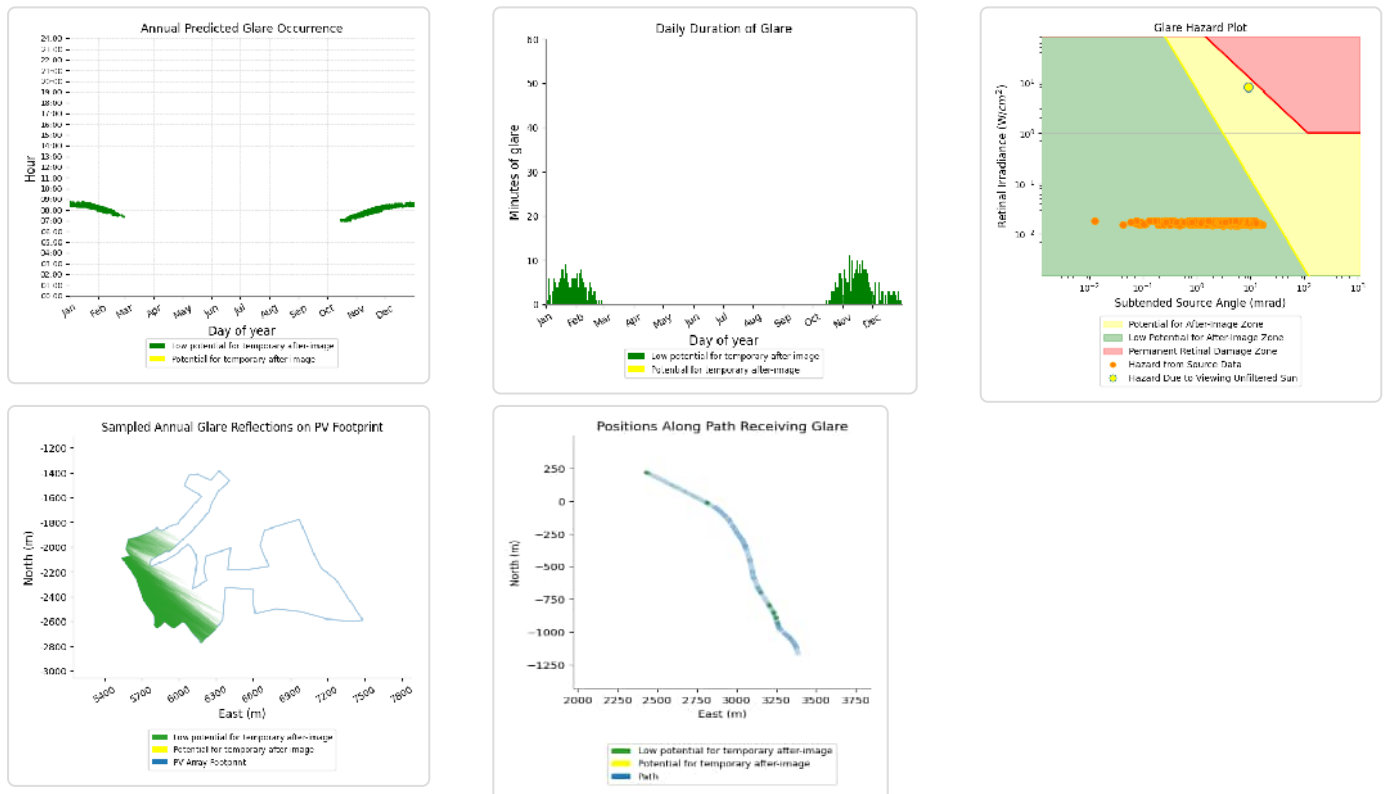
- 783 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: Road 2

PV array is expected to produce the following glare for this receptor:

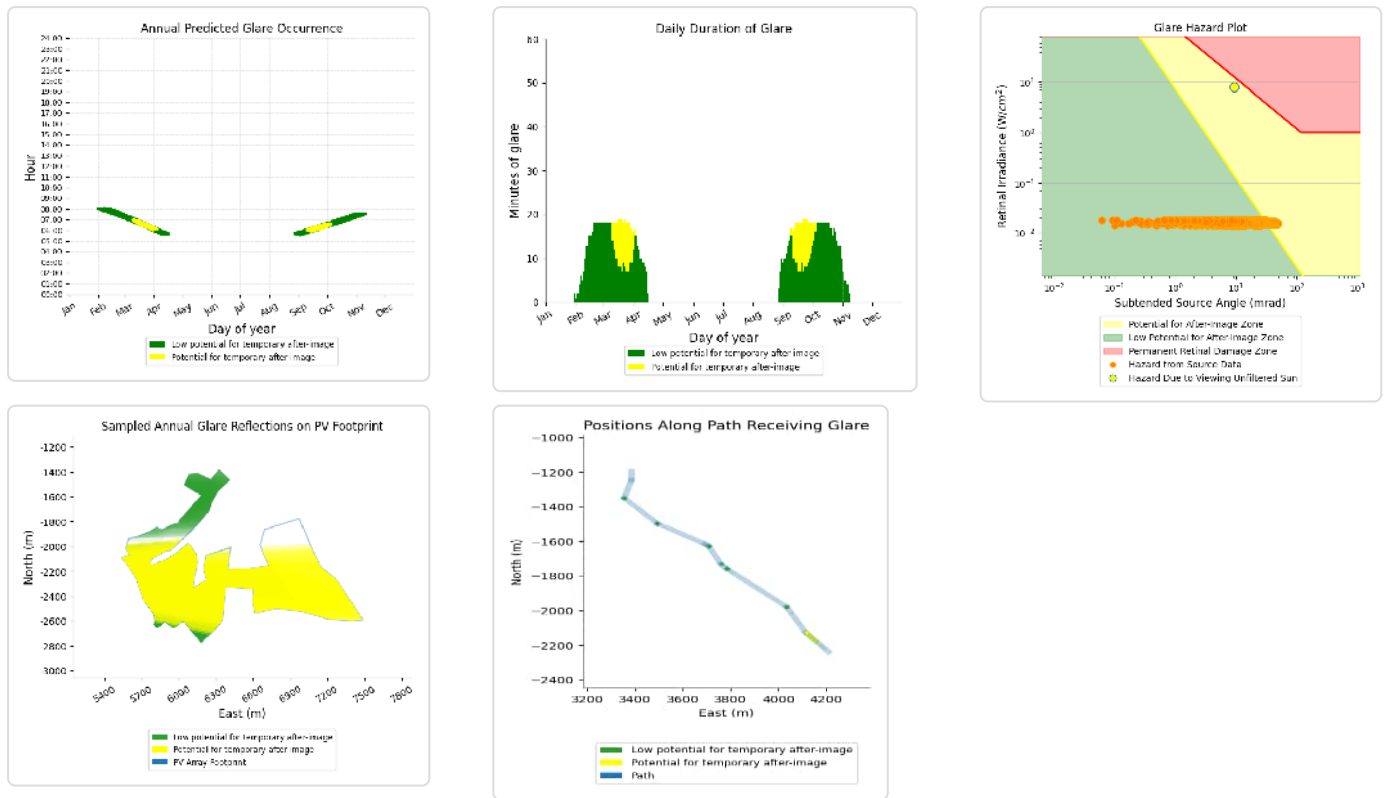
- 583 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



E2: Route 6

PV array is expected to produce the following glare for this receptor:

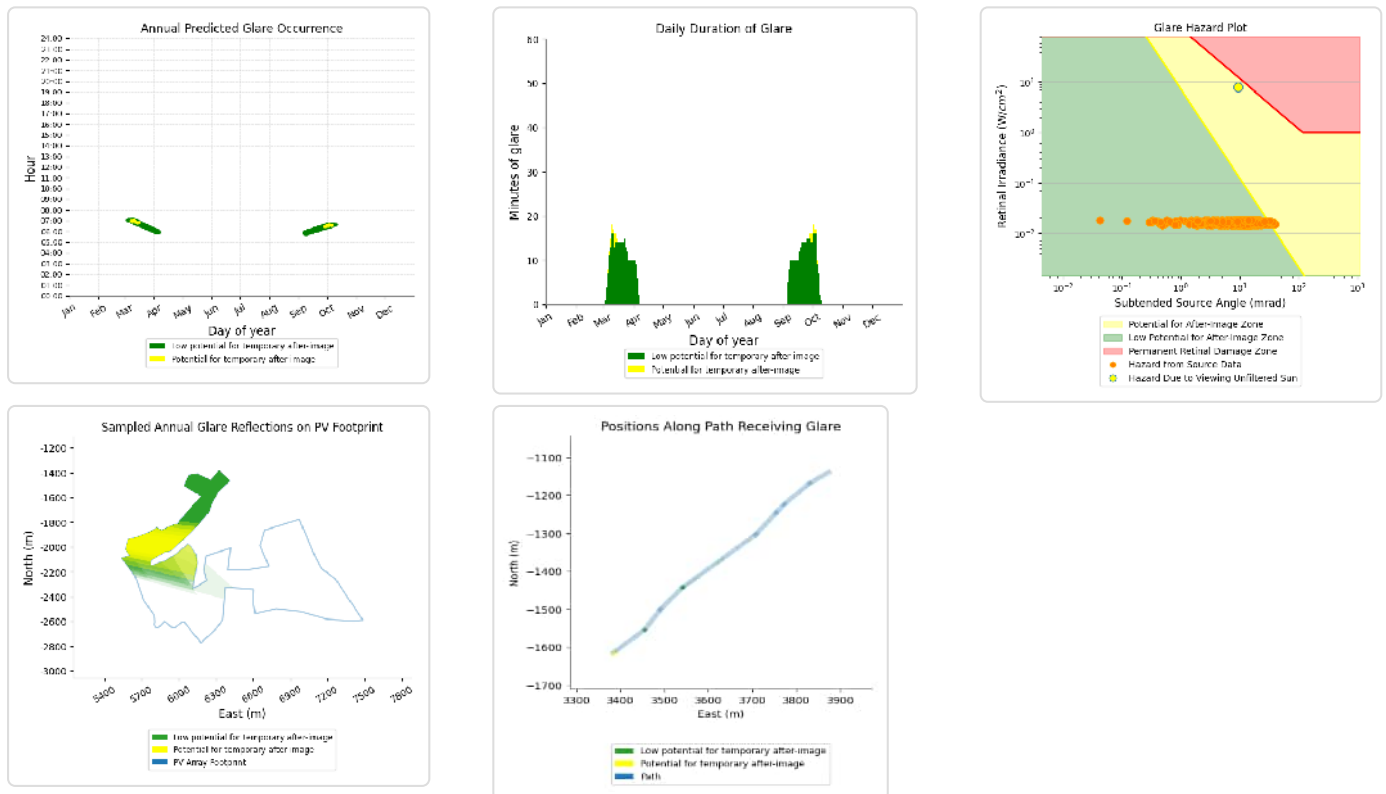
- 1,727 minutes of "green" glare with low potential to cause temporary after-image.
- 421 minutes of "yellow" glare with potential to cause temporary after-image.



E2: Route 7

PV array is expected to produce the following glare for this receptor:

- 789 minutes of "green" glare with low potential to cause temporary after-image.
- 30 minutes of "yellow" glare with potential to cause temporary after-image.



Summary of Vertical Surface Glare Analysis

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not automatically account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions.
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- 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.
- 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.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.