



BEACON FEN

ENERGY PARK

Planning Inspectorate Reference: EN010151

Appendix 13.2a ForgeSolar Glint Report: Road, Railway and Aviation

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Quality information

Prepared by	Checked by	Verified by	Approved by
SA	SA	GS	SA

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FORGESOLAR GLARE ANALYSIS

Project: **Beacon Fen DCO**

Site configuration: **Varying Panel Height Beacon Fen Road Rail Aviation**

Created 19 Dec, 2024

Updated 30 Jan, 2025

Time-step 1 minute

Timezone offset UTC0

Minimum sun altitude 0.0 deg

DNI peaks at 1,000.0 W/m²

Category 10 MW to 100 MW

Site ID 137284.16549

Ocular transmission coefficient 0.5

Pupil diameter 0.002 m

Eye focal length 0.017 m

Sun subtended angle 9.3 mrad

PV analysis methodology V2

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

PV Array	Tilt °	Orient °	Annual Green Glare		Annual Yellow Glare		Energy kWh	Peak Luminance
			min	hr	min	hr		cd/m ²
PV array 1	15.0	180.0	15,017	250.3	22,488	374.8	-	3,735,497
PV array 10	15.0	180.0	38,361	639.4	48,439	807.3	-	3,664,579
PV array 2	15.0	180.0	23,922	398.7	2,901	48.4	-	499,083
PV array 3	15.0	180.0	11,693	194.9	36	0.6	-	318,669
PV array 4	15.0	180.0	11,643	194.1	3,510	58.5	-	660,734
PV array 5	15.0	180.0	12,430	207.2	4,747	79.1	-	2,472,765
PV array 6	15.0	180.0	11,536	192.3	6,747	112.5	-	798,336
PV array 7	15.0	180.0	7,691	128.2	377	6.3	-	698,325
PV array 8	15.0	180.0	8,444	140.7	8,656	144.3	-	3,709,806
PV array 9	15.0	180.0	9,087	151.4	7,853	130.9	-	3,521,292

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

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Route 10 - Star Fen Road	7,370	122.8	411	6.8
Route 11 - Church Lane	269	4.5	0	0.0
Route 12 - Cow Drove	3,665	61.1	626	10.4
Route 13 - Railway	1,370	22.8	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Route 1 - A17	3,278	54.6	0	0.0
Route 2 - B1395	7,725	128.8	886	14.8
Route 3 - Howell Fen Drove	9,166	152.8	25,127	418.8
Route 4 - Heckington Road - south of Howell	0	0.0	0	0.0
Route 5 - Heckington Road - north of Howell	4,702	78.4	7,281	121.3
Route 6 - Thorpe Road	12,276	204.6	7,966	132.8
Route 7 - Lane connected to Thorpe Road	38,576	642.9	60,432	1,007.2
Route 8 - Field Lane	9,438	157.3	2,059	34.3
Route 9 - Littleworth Drove	9,146	152.4	966	16.1
FP 10 - RAF Barkston Heath NE	0	0.0	0	0.0
FP 11 - RAF Barkston Heath South	0	0.0	0	0.0
FP 12 - RAF Barkston Heath North	0	0.0	0	0.0
FP 13 - Anwick East	0	0.0	0	0.0
FP 14 - Anwick West	2,296	38.3	0	0.0
FP 15 - Boston East	11,548	192.5	0	0.0
FP 16 - Boston West	0	0.0	0	0.0
FP 17 - Waddington South	0	0.0	0	0.0
FP 18 - Waddington North	0	0.0	0	0.0
FP 19 - Griffins Farm East	0	0.0	0	0.0
FP 1 - RAF Coningsby East	0	0.0	0	0.0
FP 20 - Griffins Farm West	0	0.0	0	0.0
FP 2 - RAF Coningsby West	0	0.0	0	0.0
FP 3 - RAF Cranwell East	0	0.0	0	0.0
FP 4 - RAF Cranwell West	2,897	48.3	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
FP 5 - RAF Cranwell South	0	0.0	0	0.0
FP 6 - RAF Cranwell North	0	0.0	0	0.0
FP 7 - RAF Barkston Heath SE	0	0.0	0	0.0
FP 8 - RAF Barkston Heath NW	12,208	203.5	0	0.0
FP 9 - RAF Barkston Heath SW	13,894	231.6	0	0.0

Component Data

PV Arrays

Name: PV array 1

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.033373	-0.282317	2.93	3.90	6.83
2	53.031957	-0.286292	3.00	3.90	6.90
3	53.031263	-0.285626	2.36	3.90	6.26
4	53.029799	-0.289074	2.00	0.00	2.00
5	53.029799	-0.289074	2.00	3.90	5.90
6	53.028251	-0.292597	2.00	3.90	5.90
7	53.026648	-0.296536	2.00	0.00	2.00
8	53.026648	-0.296536	2.00	3.90	5.90
9	53.024956	-0.300654	2.12	3.90	6.02
10	53.024854	-0.300422	2.46	3.90	6.36
11	53.024854	-0.300422	2.46	0.00	2.46
12	53.024711	-0.300039	3.17	3.90	7.07
13	53.024711	-0.300039	3.17	0.00	3.17
14	53.024547	-0.299543	3.40	0.00	3.40
15	53.024547	-0.299543	3.40	3.90	7.30
16	53.024496	-0.299335	3.44	0.00	3.44
17	53.024496	-0.299335	3.44	3.90	7.34
18	53.024539	-0.298910	3.13	3.90	7.03
19	53.024714	-0.298649	3.00	3.90	6.90
20	53.024714	-0.298649	3.00	0.00	3.00
21	53.024848	-0.298303	3.00	3.90	6.90
22	53.024228	-0.296512	3.72	3.90	7.62
23	53.023867	-0.297037	3.40	3.90	7.30
24	53.023728	-0.296898	3.61	0.00	3.61
25	53.023728	-0.296898	3.61	3.90	7.51
26	53.023552	-0.296445	3.96	3.90	7.86
27	53.023552	-0.296445	3.96	0.00	3.96
28	53.023424	-0.296161	3.95	3.90	7.85
29	53.021396	-0.293522	3.00	3.90	6.90
30	53.025630	-0.283521	3.00	3.90	6.90
31	53.027621	-0.278134	2.94	3.90	6.84
32	53.030828	-0.280178	2.00	0.00	2.00
33	53.030828	-0.280178	2.00	3.90	5.90
34	53.032180	-0.281186	2.00	3.90	5.90
35	53.032761	-0.281985	2.55	3.90	6.45
36	53.032761	-0.281985	2.55	0.00	2.55

Name: PV array 10

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.006163	-0.301434	6.00	3.50	9.50
2	53.003799	-0.309677	10.62	3.50	14.12
3	53.004620	-0.310081	10.00	3.50	13.50
4	53.006219	-0.310150	9.72	3.50	13.22
5	53.007575	-0.310687	9.48	3.50	12.98
6	53.008682	-0.311155	8.49	3.50	11.99
7	53.010618	-0.311295	8.69	3.50	12.19
8	53.011374	-0.311327	8.40	3.50	11.90
9	53.012432	-0.311595	11.84	3.50	15.34
10	53.013648	-0.306740	8.52	3.50	12.02
11	53.015429	-0.307941	10.30	3.50	13.80
12	53.014953	-0.309810	14.19	3.50	17.69
13	53.015156	-0.309772	14.14	3.50	17.64
14	53.015432	-0.309925	13.62	3.50	17.12
15	53.016113	-0.310435	11.76	3.50	15.26
16	53.016285	-0.310640	11.63	3.50	15.13
17	53.017198	-0.311058	10.12	3.50	13.62
18	53.017750	-0.311096	10.02	3.50	13.52
19	53.018010	-0.311007	9.87	3.50	13.37
20	53.018404	-0.310686	8.83	3.50	12.33
21	53.018805	-0.310138	8.00	3.50	11.50
22	53.019324	-0.309387	8.00	3.50	11.50
23	53.019450	-0.309151	8.00	3.50	11.50
24	53.019763	-0.308174	7.00	3.50	10.50
25	53.020729	-0.306035	5.03	3.50	8.53
26	53.021271	-0.305198	5.91	3.50	9.41
27	53.021716	-0.305037	6.00	3.50	9.50
28	53.022549	-0.305788	6.00	3.50	9.50
29	53.023001	-0.305072	5.66	0.00	5.66
30	53.023345	-0.304439	5.15	0.00	5.15
31	53.023452	-0.304366	5.00	3.50	8.50
32	53.024324	-0.302237	3.74	3.50	7.24
33	53.024621	-0.301523	2.68	0.00	2.68
34	53.024881	-0.300829	2.00	3.50	5.50
35	53.023377	-0.296249	3.89	3.50	7.39
36	53.021357	-0.293542	2.98	3.50	6.48
37	53.019361	-0.291026	3.96	3.50	7.46
38	53.016818	-0.297498	4.66	3.50	8.16
39	53.016303	-0.296821	4.89	3.50	8.39
40	53.013800	-0.295719	3.94	3.50	7.44
41	53.011810	-0.293954	2.04	3.50	5.54
42	53.010757	-0.296765	4.00	3.50	7.50
43	53.012248	-0.297817	4.82	3.50	8.32
44	53.010225	-0.304073	6.00	3.50	9.50
45	53.008616	-0.303295	6.00	3.50	9.50

Name: PV array 2

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.024538	-0.285913	2.00	3.90	5.90
2	53.023938	-0.287421	2.00	3.90	5.90
3	53.023938	-0.287421	2.00	0.00	2.00
4	53.023066	-0.289511	2.44	3.90	6.34
5	53.023066	-0.289511	2.44	0.00	2.44
6	53.021378	-0.293488	2.99	3.90	6.89
7	53.019400	-0.290964	3.90	3.90	7.80
8	53.020912	-0.287057	2.70	0.00	2.70
9	53.020912	-0.287057	2.70	3.90	6.60
10	53.022425	-0.283150	1.51	3.90	5.41
11	53.023622	-0.285020	2.98	3.90	6.88
12	53.023622	-0.285020	2.98	0.00	2.98

Name: PV array 3

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.026416	-0.281375	1.68	3.90	5.58
2	53.027626	-0.278097	2.99	3.90	6.89
3	53.025120	-0.276315	2.43	3.90	6.33
4	53.023820	-0.279553	1.53	3.90	5.43

Name: PV array 4

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

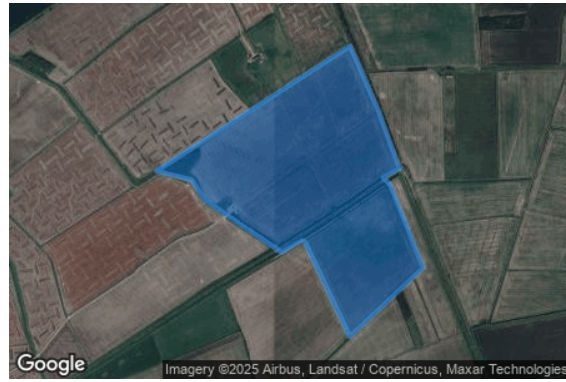
Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.025067	-0.276300	2.36	3.90	6.26
2	53.022459	-0.274404	2.55	3.90	6.45
3	53.020175	-0.273020	1.22	3.90	5.12
4	53.020052	-0.272853	1.04	3.90	4.94
5	53.019639	-0.274034	1.45	3.90	5.35
6	53.019349	-0.273561	1.59	3.90	5.49
7	53.015928	-0.271276	2.04	3.90	5.94
8	53.013088	-0.276330	3.00	3.90	6.90
9	53.017006	-0.279430	2.00	3.90	5.90
10	53.017051	-0.279653	2.00	3.90	5.90
11	53.016556	-0.281013	2.00	3.90	5.90
12	53.018703	-0.286264	3.00	3.90	6.90
13	53.019551	-0.287198	4.08	3.90	7.98
14	53.019916	-0.289612	4.08	3.90	7.98

Name: PV array 5

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.013049	-0.276350	3.00	3.50	6.50
2	53.010389	-0.280964	5.00	3.50	8.50
3	53.009402	-0.280095	4.49	3.50	7.99
4	53.010418	-0.281055	5.00	3.50	8.50
5	53.010402	-0.281388	5.00	3.50	8.50
6	53.010780	-0.281650	5.00	3.50	8.50
7	53.010680	-0.282943	5.00	3.50	8.50
8	53.009095	-0.281876	5.00	3.50	8.50
9	53.008624	-0.284107	5.00	3.50	8.50
10	53.008656	-0.284955	5.00	3.50	8.50
11	53.007988	-0.287251	5.34	3.50	8.84
12	53.007575	-0.288173	6.00	3.50	9.50
13	53.007388	-0.289472	6.00	3.50	9.50
14	53.007162	-0.290212	6.65	3.50	10.15
15	53.006706	-0.291939	7.06	3.50	10.56
16	53.006138	-0.293119	8.00	3.50	11.50
17	53.009036	-0.295490	4.99	3.50	8.49
18	53.010018	-0.292658	4.00	3.50	7.50
19	53.010949	-0.293366	2.96	3.50	6.46
20	53.011989	-0.289117	3.00	3.50	6.50
21	53.013214	-0.289829	3.92	3.50	7.42
22	53.015099	-0.284997	1.16	3.50	4.66
23	53.017012	-0.279559	2.00	3.50	5.50

Name: PV array 6

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.016780	-0.281508	1.72	3.90	5.62
2	53.018652	-0.286336	3.01	3.90	6.91
3	53.019510	-0.287215	4.08	3.90	7.98
4	53.019897	-0.289619	4.04	3.90	7.94
5	53.016791	-0.297446	4.70	3.90	8.60
6	53.016256	-0.296727	4.93	3.90	8.83
7	53.013839	-0.295622	4.00	3.90	7.90
8	53.011764	-0.293825	1.93	3.90	5.83
9	53.016550	-0.281026	2.00	3.90	5.90

Name: PV array 7

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.010681	-0.296830	4.00	3.90	7.90
2	53.013198	-0.289888	3.93	3.90	7.83
3	53.012004	-0.289169	3.00	3.90	6.90
4	53.010952	-0.293386	2.93	3.90	6.83
5	53.010029	-0.292688	4.00	3.90	7.90
6	53.009033	-0.295505	5.00	3.90	8.90

Name: PV array 8

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.010673	-0.296803	4.00	3.90	7.90
2	53.012196	-0.297833	4.84	3.90	8.74
3	53.010208	-0.304013	6.00	3.90	9.90
4	53.008607	-0.303219	6.00	3.90	9.90
5	53.006967	-0.301996	6.82	3.90	10.72
6	53.004885	-0.300325	6.63	3.90	10.53
7	53.004659	-0.298888	7.26	3.90	11.16
8	53.005591	-0.296812	7.75	3.90	11.65
9	53.006111	-0.293132	8.00	3.90	11.90

Name: PV array 9

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.006117	-0.301417	6.00	3.90	9.90
2	53.003716	-0.309721	10.74	3.90	14.64
3	53.003002	-0.309324	11.27	3.90	15.17
4	53.003987	-0.304824	8.69	3.90	12.59
5	53.003926	-0.304094	8.73	3.90	12.63
6	53.003998	-0.303579	7.78	3.90	11.68
7	53.004879	-0.300336	6.62	3.90	10.52
8	53.006117	-0.301409	6.00	3.90	9.90

Route Receptors

Name: Route 10 - Star Fen Road

Path type: Two-way

Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	52.992540	-0.273189	5.98	1.00	6.98
2	52.994155	-0.273919	4.70	1.00	5.70
3	52.994297	-0.273833	4.57	1.00	5.57
4	52.994723	-0.272589	5.00	1.00	6.00
5	52.995524	-0.271054	5.51	1.00	6.51
6	52.995821	-0.270507	5.00	1.00	6.00
7	52.996396	-0.269788	5.00	1.00	6.00
8	52.996686	-0.269348	4.95	1.00	5.95
9	52.996751	-0.269123	4.78	1.00	5.78
10	52.996848	-0.268973	4.56	1.00	5.56
11	52.996957	-0.268951	4.30	1.00	5.30
12	52.997125	-0.269069	3.76	1.00	4.76
13	52.997261	-0.268994	3.51	1.00	4.51
14	52.997493	-0.268404	4.09	1.00	5.09
15	52.997668	-0.267707	4.60	1.00	5.60
16	52.997881	-0.266698	5.14	1.00	6.14
17	52.998275	-0.264617	4.42	1.00	5.42
18	52.998404	-0.263780	5.33	1.00	6.33
19	52.998546	-0.263308	5.65	1.00	6.65
20	52.998546	-0.263169	5.80	1.00	6.80
21	52.998417	-0.263094	5.92	1.00	6.92
22	52.997919	-0.262750	6.00	1.00	7.00
23	52.997506	-0.262375	6.00	1.00	7.00
24	52.996370	-0.261720	4.72	1.00	5.72
25	52.996195	-0.261710	4.45	1.00	5.45
26	52.996086	-0.261806	4.44	1.00	5.44
27	52.995995	-0.262257	4.96	1.00	5.96
28	52.995995	-0.262482	5.02	1.00	6.02
29	52.995598	-0.262291	4.44	1.00	5.44
30	52.994474	-0.261712	4.86	1.00	5.86

Name: Route 11 - Church Lane

Path type: Two-way

Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.032961	-0.256188	8.31	1.00	9.31
2	53.032264	-0.257454	9.82	1.00	10.82
3	53.031858	-0.258527	9.10	1.00	10.10
4	53.031774	-0.258934	7.92	1.00	8.92
5	53.031690	-0.259621	5.90	1.00	6.90
6	53.031671	-0.260029	5.30	1.00	6.30
7	53.031516	-0.260394	4.78	1.00	5.78
8	53.031393	-0.260769	4.23	1.00	5.23
9	53.031348	-0.260909	4.02	1.00	5.02
10	53.031116	-0.261070	3.96	1.00	4.96
11	53.030690	-0.261155	4.00	1.00	5.00
12	53.030290	-0.261005	4.00	1.00	5.00
13	53.029864	-0.260801	4.00	1.00	5.00
14	53.029658	-0.260823	4.00	1.00	5.00

Name: Route 12 - Cow Drove

Path type: Two-way

Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.011800	-0.258765	2.00	1.00	3.00
2	53.013324	-0.258057	1.24	1.00	2.24
3	53.014369	-0.257263	2.85	1.00	3.85
4	53.014653	-0.257070	3.00	1.00	4.00
5	53.015221	-0.256898	2.99	1.00	3.99
6	53.015764	-0.256576	2.20	1.00	3.20
7	53.016680	-0.255911	2.00	1.00	3.00
8	53.017300	-0.255546	1.99	1.00	2.99
9	53.017906	-0.254967	2.00	1.00	3.00
10	53.018255	-0.254387	2.00	1.00	3.00
11	53.019029	-0.253937	1.54	1.00	2.54
12	53.020785	-0.253014	2.00	1.00	3.00
13	53.022527	-0.252263	2.00	1.00	3.00
14	53.023444	-0.252070	2.10	1.00	3.10
15	53.024179	-0.252327	2.48	1.00	3.48
16	53.024425	-0.252134	2.19	1.00	3.19
17	53.024721	-0.251018	2.00	1.00	3.00
18	53.025483	-0.248293	1.00	1.00	2.00
19	53.025677	-0.248079	1.07	1.00	2.07
20	53.025986	-0.248444	1.57	1.00	2.57
21	53.029677	-0.252606	4.13	1.00	5.13
22	53.030026	-0.252714	5.17	1.00	6.17

Name: Route 13 - Railway
Path type: Two-way
Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	52.989060	-0.353150	9.00	2.75	11.75
2	52.980431	-0.310664	15.06	2.75	17.81
3	52.975986	-0.285859	8.04	2.75	10.79
4	52.973221	-0.271460	5.00	2.75	7.75

Name: Route 1 - A17
Path type: Two-way
Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	52.988660	-0.312795	5.00	1.00	6.00
2	52.989396	-0.308611	5.15	1.00	6.15
3	52.989668	-0.304835	6.00	1.00	7.00
4	52.989655	-0.302582	5.85	1.00	6.85
5	52.989448	-0.298869	6.78	1.00	7.78
6	52.988557	-0.295028	7.63	1.00	8.63
7	52.985263	-0.285566	7.78	1.00	8.78
8	52.982744	-0.278227	8.00	1.00	9.00
9	52.982085	-0.275159	7.81	1.00	8.81
10	52.981749	-0.272605	7.73	1.00	8.73
11	52.981542	-0.268957	7.70	1.00	8.70
12	52.981000	-0.263722	6.77	1.00	7.77
13	52.980754	-0.261619	5.01	1.00	6.01
14	52.980832	-0.259816	4.97	1.00	5.97
15	52.981749	-0.254667	5.00	1.00	6.00
16	52.982408	-0.251255	5.00	1.00	6.00
17	52.983454	-0.246491	4.74	1.00	5.74
18	52.984242	-0.244131	3.06	1.00	4.06
19	52.984630	-0.241771	3.00	1.00	4.00
20	52.984707	-0.240247	3.00	1.00	4.00
21	52.984643	-0.238616	2.77	1.00	3.77
22	52.984488	-0.235612	2.74	1.00	3.74
23	52.984359	-0.232029	1.99	1.00	2.99
24	52.984202	-0.229829	2.40	1.00	3.40
25	52.983608	-0.226697	4.00	1.00	5.00
26	52.982626	-0.223135	3.55	1.00	4.55
27	52.982187	-0.221826	3.84	1.00	4.84
28	52.980998	-0.217964	4.00	1.00	5.00

Name: Route 2 - B1395
Path type: Two-way
Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	52.984602	-0.233156	2.42	1.00	3.42
2	52.992637	-0.235795	2.18	1.00	3.18
3	52.999920	-0.238263	2.00	1.00	3.00
4	53.000372	-0.238070	2.38	1.00	3.38
5	53.004724	-0.234272	2.44	1.00	3.44
6	53.005641	-0.233800	2.53	1.00	3.53
7	53.006235	-0.233843	2.96	1.00	3.96
8	53.006893	-0.234379	3.00	1.00	4.00
9	53.007126	-0.234637	2.77	1.00	3.77
10	53.009011	-0.234272	1.97	1.00	2.97
11	53.016098	-0.236117	2.00	1.00	3.00
12	53.021700	-0.238563	3.19	1.00	4.19
13	53.022343	-0.238821	3.88	1.00	4.88
14	53.028680	-0.242297	1.13	1.00	2.13
15	53.031803	-0.244057	4.23	1.00	5.23

Name: Route 3 - Howell Fen Drove

Path type: Two-way

Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.002943	-0.309288	11.31	1.00	12.31
2	53.003640	-0.305973	9.20	1.00	10.20
3	53.003937	-0.304857	8.84	1.00	9.84
4	53.003814	-0.304299	9.21	1.00	10.21
5	53.004124	-0.302947	7.19	1.00	8.19
6	53.004834	-0.300276	6.72	1.00	7.72
7	53.004615	-0.299192	7.12	1.00	8.12
8	53.004608	-0.298817	7.36	1.00	8.36
9	53.005544	-0.296714	7.97	1.00	8.97
10	53.005880	-0.294149	7.36	1.00	8.36
11	53.005970	-0.293441	7.81	1.00	8.81
12	53.006151	-0.292787	8.00	1.00	9.00
13	53.006455	-0.292272	7.49	1.00	8.49
14	53.006952	-0.290791	7.00	1.00	8.00
15	53.007126	-0.290094	6.47	1.00	7.47
16	53.007300	-0.289386	6.00	1.00	7.00
17	53.007371	-0.288753	6.00	1.00	7.00
18	53.007533	-0.288002	6.00	1.00	7.00
19	53.007991	-0.286929	5.00	1.00	6.00
20	53.008353	-0.285878	5.01	1.00	6.01
21	53.008553	-0.285009	5.02	1.00	6.02
22	53.008585	-0.284279	5.00	1.00	6.00
23	53.008572	-0.284000	5.00	1.00	6.00
24	53.009018	-0.281747	5.00	1.00	6.00
25	53.009366	-0.280138	4.48	1.00	5.48

Name: Route 4 - Heckington Road - south of Howell

Path type: Two-way

Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.000241	-0.308706	10.94	1.00	11.94
2	52.998911	-0.307011	8.34	1.00	9.34
3	52.997929	-0.305745	8.17	1.00	9.17
4	52.997141	-0.304243	8.32	1.00	9.32
5	52.996560	-0.303728	8.12	1.00	9.12
6	52.995682	-0.303148	6.55	1.00	7.55
7	52.993758	-0.302269	5.16	1.00	6.16
8	52.991433	-0.301196	5.64	1.00	6.64
9	52.990593	-0.300938	6.00	1.00	7.00
10	52.989973	-0.300595	6.00	1.00	7.00
11	52.989625	-0.299887	6.09	1.00	7.09
12	52.989521	-0.299071	6.28	1.00	7.28

Name: Route 5 - Heckington Road - north of Howell

Path type: Two-way

Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.002889	-0.309415	11.57	1.00	12.57
2	53.003083	-0.309523	11.44	1.00	12.44
3	53.003244	-0.309608	11.34	1.00	12.34
4	53.003554	-0.309673	10.98	1.00	11.98
5	53.003845	-0.309769	10.56	1.00	11.56
6	53.004516	-0.310156	10.00	1.00	11.00
7	53.004955	-0.310220	10.00	1.00	11.00
8	53.006227	-0.310284	9.89	1.00	10.89
9	53.008186	-0.311035	8.46	1.00	9.46
10	53.008657	-0.311218	8.46	1.00	9.46
11	53.009032	-0.311282	9.00	1.00	10.00
12	53.010426	-0.311389	8.97	1.00	9.97
13	53.011259	-0.311389	8.24	1.00	9.24
14	53.012363	-0.311722	11.53	1.00	12.53
15	53.012492	-0.311690	12.03	1.00	13.03
16	53.012576	-0.311518	12.17	1.00	13.17
17	53.012795	-0.310499	12.07	1.00	13.07
18	53.012944	-0.310048	12.06	1.00	13.06
19	53.013144	-0.309952	12.37	1.00	13.37
20	53.014202	-0.310349	14.50	1.00	15.50
21	53.014654	-0.310499	15.16	1.00	16.16

Name: Route 6 - Thorpe Road

Path type: Two-way

Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.014674	-0.310628	15.31	1.00	16.31
2	53.014596	-0.311325	15.94	1.00	16.94
3	53.014654	-0.312409	16.98	1.00	17.98
4	53.014654	-0.313181	18.10	1.00	19.10
5	53.014583	-0.313911	19.16	1.00	20.16
6	53.014525	-0.315456	20.00	1.00	21.00
7	53.014590	-0.317022	19.00	1.00	20.00
8	53.014583	-0.318835	17.60	1.00	18.60
9	53.014532	-0.319318	17.00	1.00	18.00
10	53.014125	-0.320820	17.59	1.00	18.59
11	53.013738	-0.322204	17.65	1.00	18.65
12	53.013486	-0.323942	17.39	1.00	18.39
13	53.013402	-0.324167	17.64	1.00	18.64
14	53.013163	-0.324253	17.99	1.00	18.99
15	53.013086	-0.324511	17.96	1.00	18.96
16	53.013260	-0.326099	18.99	1.00	19.99
17	53.013344	-0.327139	19.59	1.00	20.59
18	53.013473	-0.329006	20.54	1.00	21.54

Name: Route 7 - Lane connected to Thorpe Road

Path type: Two-way

Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.014706	-0.310484	15.12	1.00	16.12
2	53.014867	-0.309958	14.41	1.00	15.41
3	53.015119	-0.309819	14.21	1.00	15.21
4	53.015487	-0.310023	13.49	1.00	14.49
5	53.016100	-0.310495	11.84	1.00	12.84
6	53.016319	-0.310806	11.64	1.00	12.64
7	53.017036	-0.311106	10.43	1.00	11.43
8	53.017488	-0.311278	10.23	1.00	11.23
9	53.018120	-0.311064	9.77	1.00	10.77
10	53.018488	-0.310731	8.76	1.00	9.76
11	53.018888	-0.310162	8.00	1.00	9.00
12	53.019211	-0.309680	8.00	1.00	9.00
13	53.019546	-0.309111	8.00	1.00	9.00
14	53.020650	-0.306354	5.08	1.00	6.08
15	53.020940	-0.306032	5.34	1.00	6.34
16	53.021295	-0.306032	5.86	1.00	6.86
17	53.021663	-0.306128	6.00	1.00	7.00
18	53.021921	-0.306246	6.00	1.00	7.00
19	53.022180	-0.306407	6.00	1.00	7.00
20	53.022393	-0.306214	6.00	1.00	7.00
21	53.023425	-0.304562	5.03	1.00	6.03
22	53.024987	-0.300710	2.05	1.00	3.05
23	53.026316	-0.297599	3.00	1.00	4.00
24	53.028400	-0.292395	2.20	1.00	3.20
25	53.030692	-0.293996	3.46	1.00	4.46

Name: Route 8 - Field Lane

Path type: Two-way

Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.014372	-0.328744	18.64	1.00	19.64
2	53.014972	-0.328187	17.71	1.00	18.71
3	53.015211	-0.327672	17.01	1.00	18.01
4	53.015566	-0.326974	17.30	1.00	18.30
5	53.016153	-0.326041	15.86	1.00	16.86
6	53.016463	-0.325655	15.02	1.00	16.02

Name: Route 9 - Littleworth Drove

Path type: Two-way

Observer view angle: 50.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	52.988185	-0.292838	8.81	1.00	9.81
2	52.989231	-0.291250	6.68	1.00	7.68
3	52.991155	-0.280071	5.97	1.00	6.97
4	52.992085	-0.274749	5.00	1.00	6.00
5	52.995224	-0.257175	4.05	1.00	5.05
6	52.995108	-0.256574	4.28	1.00	5.28
7	52.994836	-0.255459	4.03	1.00	5.03
8	52.994823	-0.254600	3.15	1.00	4.15
9	52.995392	-0.251360	3.19	1.00	4.19
10	52.996903	-0.246618	3.84	1.00	4.84
11	52.997923	-0.237842	3.00	1.00	4.00

Flight Path Receptors

Name: FP 10 - RAF Barkston Heath NE

Description:

Threshold height: 15 m

Direction: 237.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.967416	-0.548849	98.49	15.24	113.73
Two-mile	52.983159	-0.508536	33.92	248.50	282.41

Name: FP 11 - RAF Barkston Heath South

Description:

Threshold height: 15 m

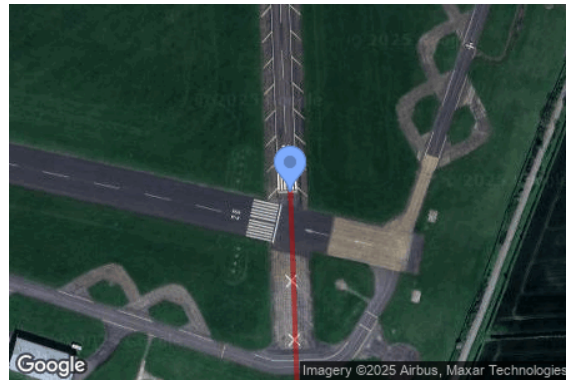
Direction: 358.1°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.958351	-0.555734	103.86	15.24	119.10
Two-mile	52.929455	-0.554116	106.00	181.79	287.78

Name: FP 12 - RAF Barkston Heath North

Description:

Threshold height: 15 m

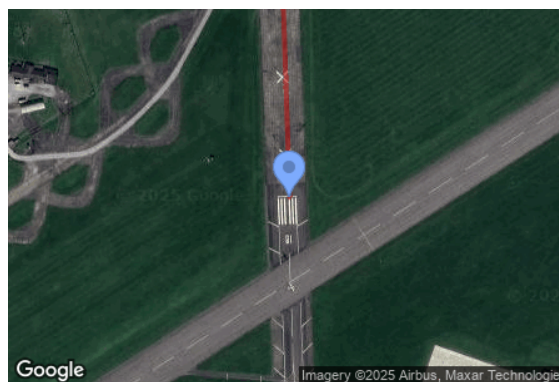
Direction: 178.1°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.965485	-0.556203	102.03	15.24	117.27
Two-mile	52.994381	-0.557805	75.05	210.90	285.95

Name: FP 13 - Anwick East

Description:

Threshold height: 15 m

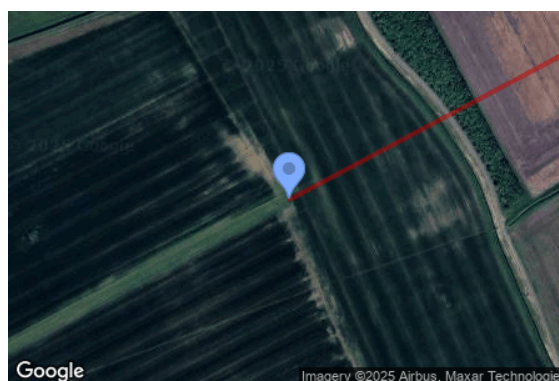
Direction: 242.1°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.045931	-0.327886	7.00	15.24	22.24
Two-mile	53.059478	-0.285349	8.96	181.96	190.92

Name: FP 14 - Anwick West

Description:

Threshold height: 15 m

Direction: 62.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.042800	-0.337714	10.82	15.24	26.06
Two-mile	53.029235	-0.380233	8.83	185.92	194.75

Name: FP 15 - Boston East

Description:

Threshold height: 15 m

Direction: 269.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.974620	-0.068597	1.32	15.24	16.56
Two-mile	52.975115	-0.020534	7.00	178.24	185.24

Name: FP 16 - Boston West

Description:

Threshold height: 15 m

Direction: 89.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.974633	-0.076215	3.99	15.24	19.23
Two-mile	52.974129	-0.124278	3.00	184.91	187.91

Name: FP 17 - Waddington South

Description:

Threshold height: 15 m

Direction: 21.5°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.154536	-0.531553	69.61	15.24	84.85
Two-mile	53.127635	-0.549244	31.09	222.45	253.54

Name: FP 18 - Waddington North

Description:

Threshold height: 15 m

Direction: 201.9°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.176820	-0.516795	66.73	15.24	81.97
Two-mile	53.203640	-0.498757	43.11	207.55	250.65

Name: FP 19 - Griffins Farm East

Description:

Threshold height: 15 m

Direction: 259.4°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.077807	-0.507863	69.08	15.24	84.32
Two-mile	53.083146	-0.460506	42.03	210.97	253.00

Name: FP 1 - RAF Coningsby East

Description:

Threshold height: 15 m

Direction: 252.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.096989	-0.146714	5.53	15.24	20.77
Two-mile	53.105909	-0.100859	5.10	184.35	189.46

Name: FP 20 - Griffins Farm West

Description:

Threshold height: 15 m

Direction: 78.1°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.076705	-0.515985	71.76	15.24	87.00
Two-mile	53.070729	-0.563128	39.47	216.21	255.69

Name: FP 2 - RAF Coningsby West

Description:

Threshold height: 15 m

Direction: 72.1°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.089370	-0.185546	5.00	15.24	20.24
Two-mile	53.080459	-0.231398	2.00	186.93	188.93

Name: FP 3 - RAF Cranwell East

Description:

Threshold height: 15 m

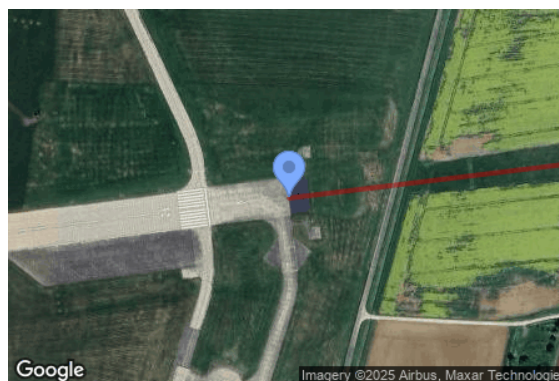
Direction: 263.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.030912	-0.477375	53.41	15.24	68.65
Two-mile	53.034410	-0.429595	31.85	205.48	237.34

Name: FP 4 - RAF Cranwell West

Description:

Threshold height: 15 m

Direction: 83.1°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.028562	-0.508128	67.52	15.24	82.76
Two-mile	53.025068	-0.555906	90.38	161.07	251.45

Name: FP 5 - RAF Cranwell South

Description:

Threshold height: 15 m

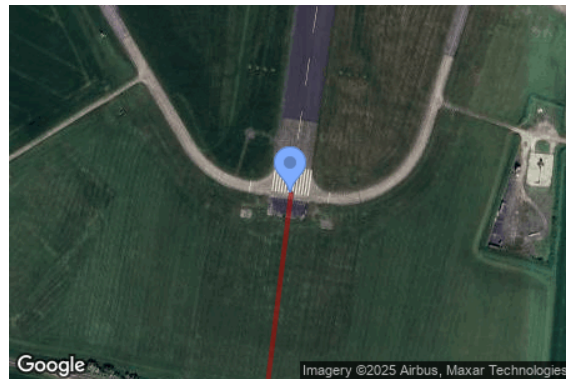
Direction: 7.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.021116	-0.485429	53.51	15.24	68.75
Two-mile	52.992420	-0.491310	52.18	185.25	237.43

Name: FP 6 - RAF Cranwell North

Description:

Threshold height: 15 m

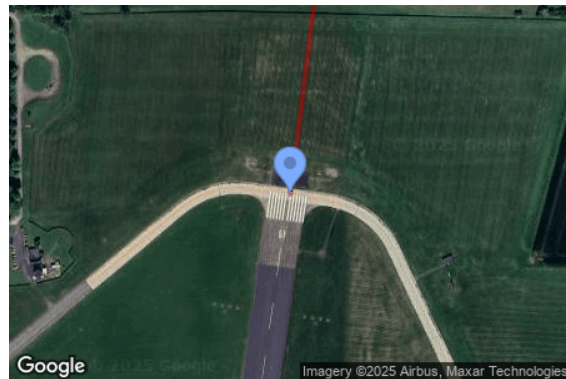
Direction: 187.1°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.034010	-0.482327	54.29	15.24	69.53
Two-mile	53.062702	-0.476386	48.93	189.28	238.21

Name: FP 7 - RAF Barkston Heath SE

Description:

Threshold height: 15 m

Direction: 280.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.957707	-0.553650	103.78	15.24	119.02
Two-mile	52.952686	-0.506329	85.06	202.64	287.70

Name: FP 8 - RAF Barkston Heath NW

Description:

Threshold height: 15 m

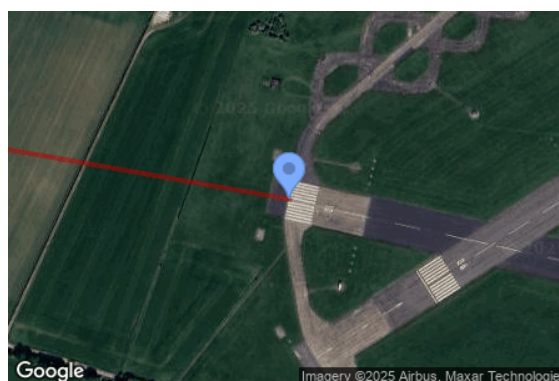
Direction: 100.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.960217	-0.572271	112.02	15.24	127.26
Two-mile	52.965253	-0.619591	41.01	254.94	295.95

Name: FP 9 - RAF Barkston Heath SW

Description:

Threshold height: 15 m

Direction: 57.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.958568	-0.571792	111.36	15.24	126.60
Two-mile	52.942834	-0.612106	56.55	238.73	295.28

Glare Analysis Results

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

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy	Peak Luminance
	°	°	min	hr	min	hr	kWh	cd/m ²
PV array 1	15.0	180.0	15,017	250.3	22,488	374.8	-	3,735,497
PV array 10	15.0	180.0	38,361	639.4	48,439	807.3	-	3,664,579
PV array 2	15.0	180.0	23,922	398.7	2,901	48.4	-	499,083
PV array 3	15.0	180.0	11,693	194.9	36	0.6	-	318,669
PV array 4	15.0	180.0	11,643	194.1	3,510	58.5	-	660,734
PV array 5	15.0	180.0	12,430	207.2	4,747	79.1	-	2,472,765
PV array 6	15.0	180.0	11,536	192.3	6,747	112.5	-	798,336
PV array 7	15.0	180.0	7,691	128.2	377	6.3	-	698,325
PV array 8	15.0	180.0	8,444	140.7	8,656	144.3	-	3,709,806
PV array 9	15.0	180.0	9,087	151.4	7,853	130.9	-	3,521,292

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

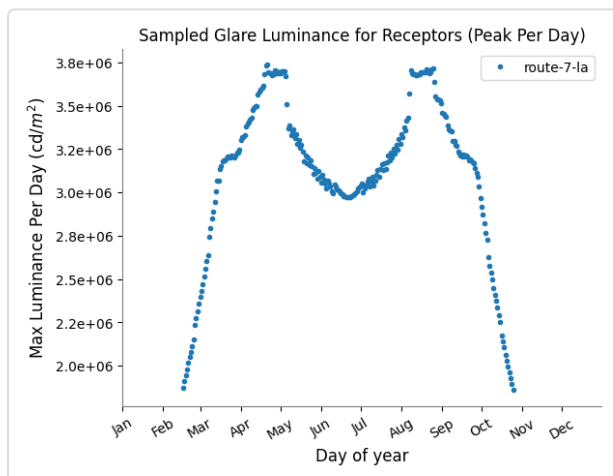
Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Route 10 - Star Fen Road	7,370	122.8	411	6.8
Route 11 - Church Lane	269	4.5	0	0.0
Route 12 - Cow Drove	3,665	61.1	626	10.4
Route 13 - Railway	1,370	22.8	0	0.0
Route 1 - A17	3,278	54.6	0	0.0
Route 2 - B1395	7,725	128.8	886	14.8
Route 3 - Howell Fen Drove	9,166	152.8	25,127	418.8
Route 4 - Heckington Road - south of Howell	0	0.0	0	0.0
Route 5 - Heckington Road - north of Howell	4,702	78.4	7,281	121.3
Route 6 - Thorpe Road	12,276	204.6	7,966	132.8
Route 7 - Lane connected to Thorpe Road	38,576	642.9	60,432	1,007.2
Route 8 - Field Lane	9,438	157.3	2,059	34.3

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Route 9 - Littleworth Drove	9,146	152.4	966	16.1
FP 10 - RAF Barkston Heath NE	0	0.0	0	0.0
FP 11 - RAF Barkston Heath South	0	0.0	0	0.0
FP 12 - RAF Barkston Heath North	0	0.0	0	0.0
FP 13 - Anwick East	0	0.0	0	0.0
FP 14 - Anwick West	2,296	38.3	0	0.0
FP 15 - Boston East	11,548	192.5	0	0.0
FP 16 - Boston West	0	0.0	0	0.0
FP 17 - Waddington South	0	0.0	0	0.0
FP 18 - Waddington North	0	0.0	0	0.0
FP 19 - Griffins Farm East	0	0.0	0	0.0
FP 1 - RAF Coningsby East	0	0.0	0	0.0
FP 20 - Griffins Farm West	0	0.0	0	0.0
FP 2 - RAF Coningsby West	0	0.0	0	0.0
FP 3 - RAF Cranwell East	0	0.0	0	0.0
FP 4 - RAF Cranwell West	2,897	48.3	0	0.0
FP 5 - RAF Cranwell South	0	0.0	0	0.0
FP 6 - RAF Cranwell North	0	0.0	0	0.0
FP 7 - RAF Barkston Heath SE	0	0.0	0	0.0
FP 8 - RAF Barkston Heath NW	12,208	203.5	0	0.0
FP 9 - RAF Barkston Heath SW	13,894	231.6	0	0.0

PV: PV array 1 potential temporary after-image

Receptor results ordered by category of glare

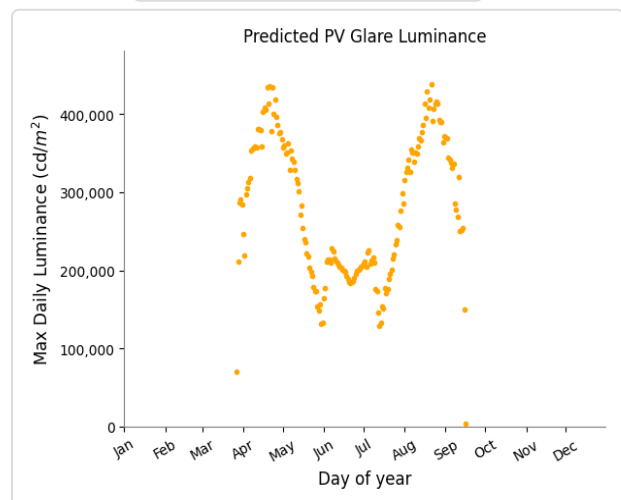
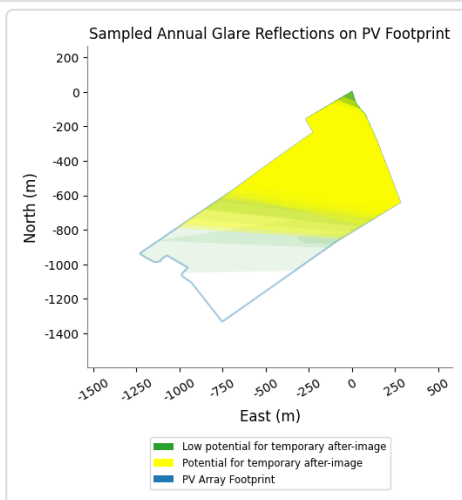
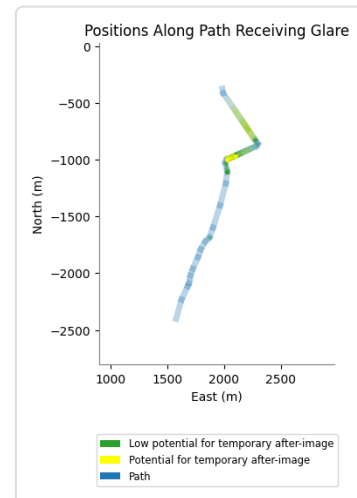
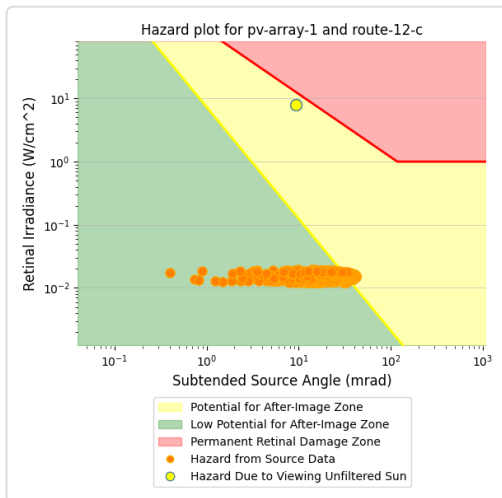
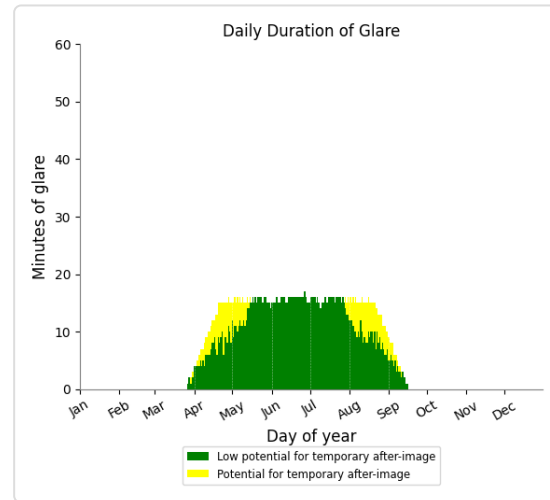
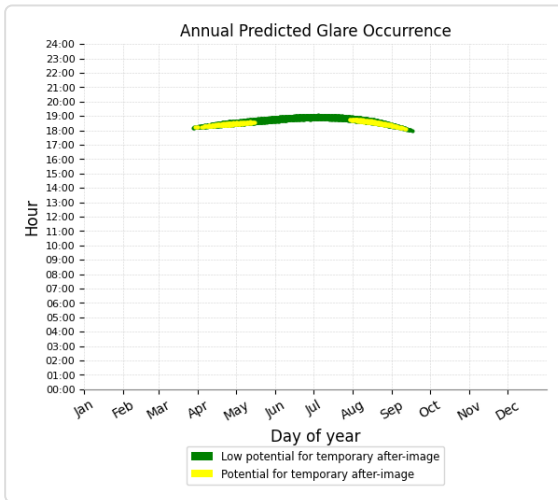
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
Route 12 - Cow Drove	1,915	31.9	371	6.2	438,231
Route 2 - B1395	1,122	18.7	258	4.3	409,305
Route 6 - Thorpe Road	1,498	25.0	10	0.2	340,815
Route 7 - Lane connected to Thorpe Road	2,727	45.5	20,610	343.5	3,735,497
Route 8 - Field Lane	854	14.2	1,239	20.6	679,110
Route 11 - Church Lane	269	4.5	0	0.0	96,756
Route 10 - Star Fen Road	0	0.0	0	0.0	0
Route 13 - Railway	0	0.0	0	0.0	0
Route 1 - A17	0	0.0	0	0.0	0
Route 3 - Howell Fen Drove	0	0.0	0	0.0	0
Route 4 - Heckington Road - south of Howell	0	0.0	0	0.0	0
Route 5 - Heckington Road - north of Howell	0	0.0	0	0.0	0
Route 9 - Littleworth Drove	0	0.0	0	0.0	0
FP 14 - Anwick West	1,107	18.4	0	0.0	215,563
FP 15 - Boston East	1,347	22.4	0	0.0	61,346
FP 4 - RAF Cranwell West	666	11.1	0	0.0	38,405
FP 8 - RAF Barkston Heath NW	1,957	32.6	0	0.0	46,191
FP 9 - RAF Barkston Heath SW	1,555	25.9	0	0.0	46,069
FP 10 - RAF Barkston Heath NE	0	0.0	0	0.0	0
FP 11 - RAF Barkston Heath South	0	0.0	0	0.0	0
FP 12 - RAF Barkston Heath North	0	0.0	0	0.0	0
FP 13 - Anwick East	0	0.0	0	0.0	0
FP 16 - Boston West	0	0.0	0	0.0	0
FP 17 - Waddington South	0	0.0	0	0.0	0
FP 18 - Waddington North	0	0.0	0	0.0	0
FP 19 - Griffins Farm East	0	0.0	0	0.0	0
FP 1 - RAF Coningsby East	0	0.0	0	0.0	0
FP 20 - Griffins Farm West	0	0.0	0	0.0	0
FP 2 - RAF Coningsby West	0	0.0	0	0.0	0
FP 3 - RAF Cranwell East	0	0.0	0	0.0	0
FP 5 - RAF Cranwell South	0	0.0	0	0.0	0
FP 6 - RAF Cranwell North	0	0.0	0	0.0	0
FP 7 - RAF Barkston Heath SE	0	0.0	0	0.0	0



PV array 1 and Route: Route 12 - Cow Drove

Yellow glare: 371 min.

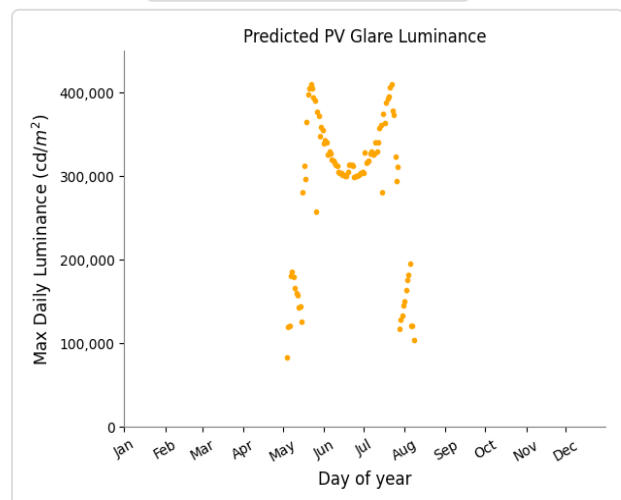
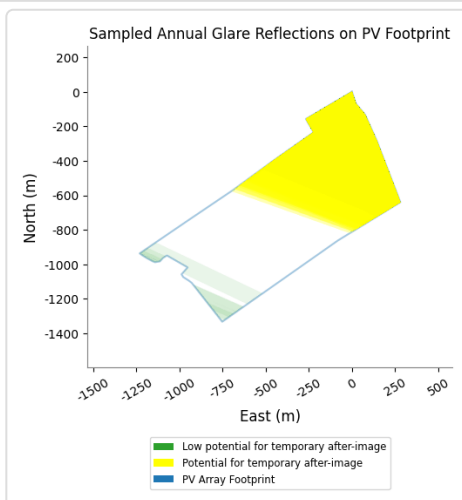
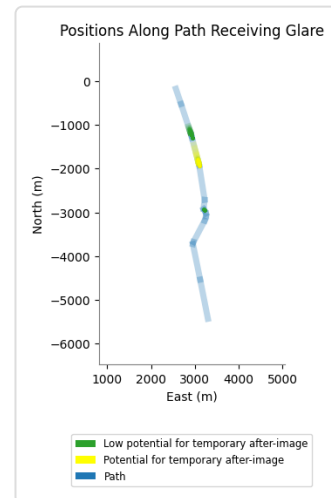
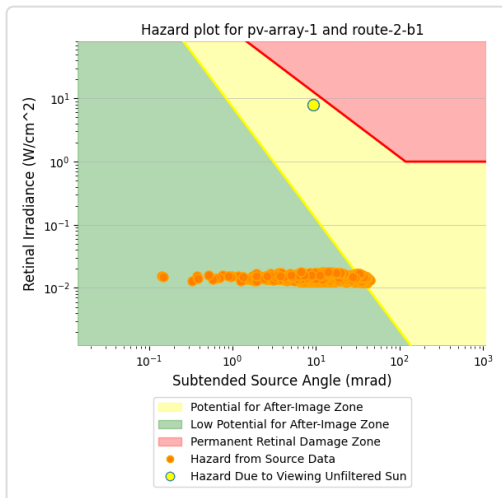
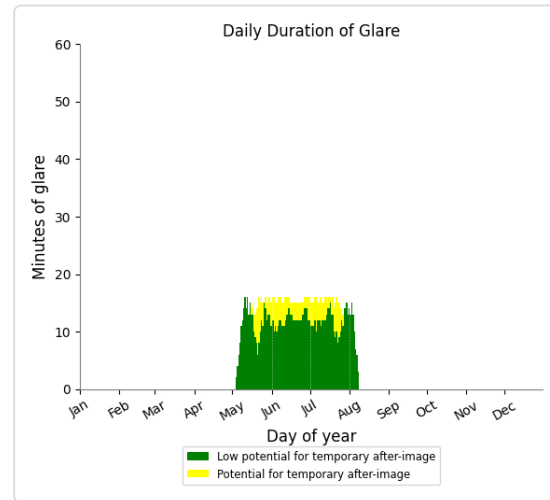
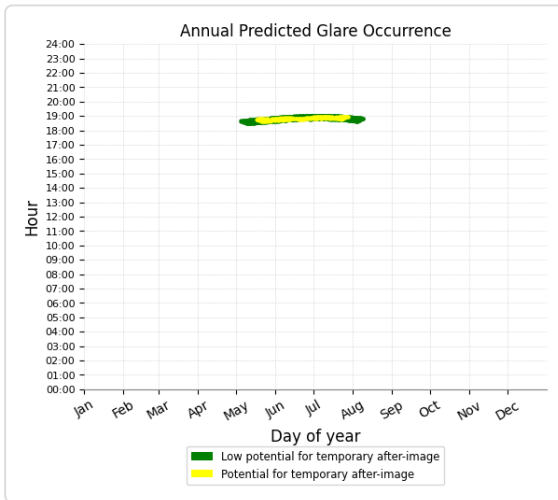
Green glare: 1,915 min.



PV array 1 and Route: Route 2 - B1395

Yellow glare: 258 min.

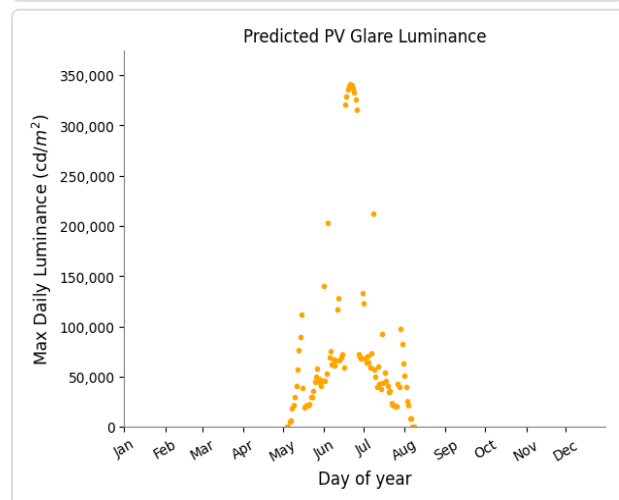
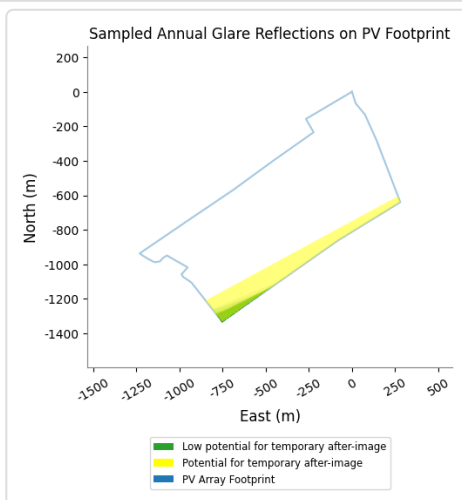
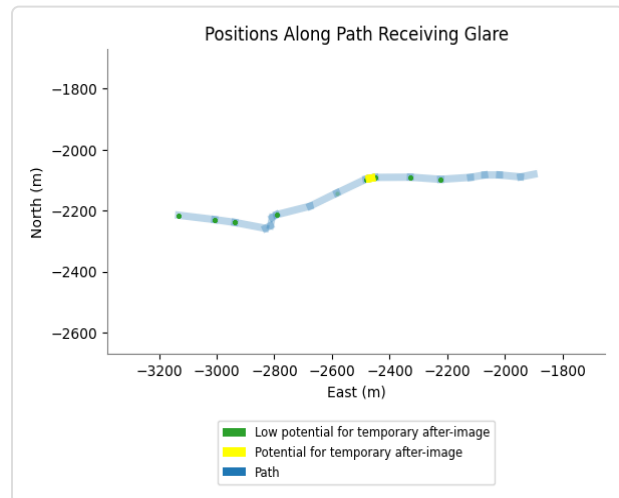
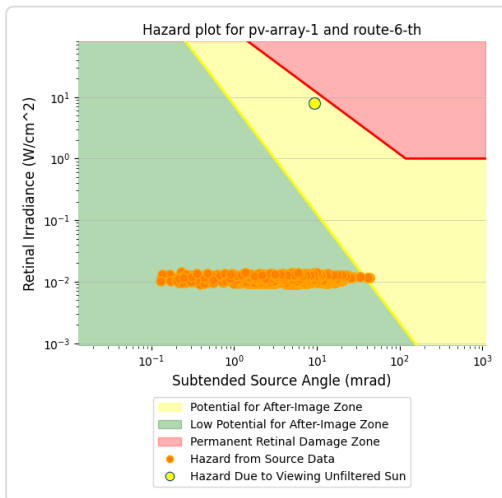
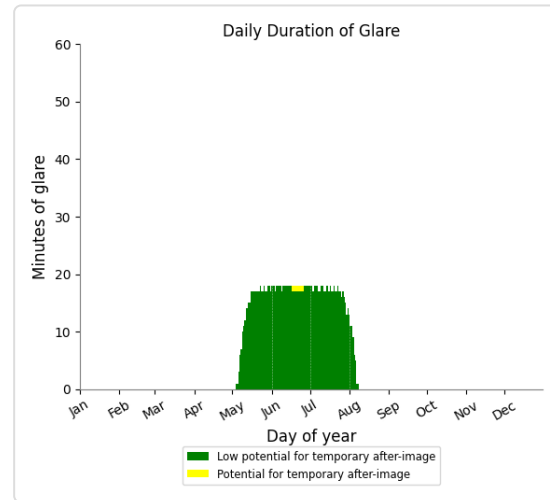
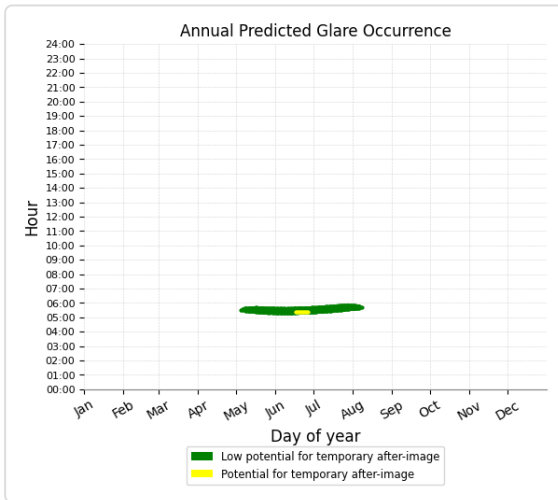
Green glare: 1,122 min.



PV array 1 and Route: Route 6 - Thorpe Road

Yellow glare: 10 min.

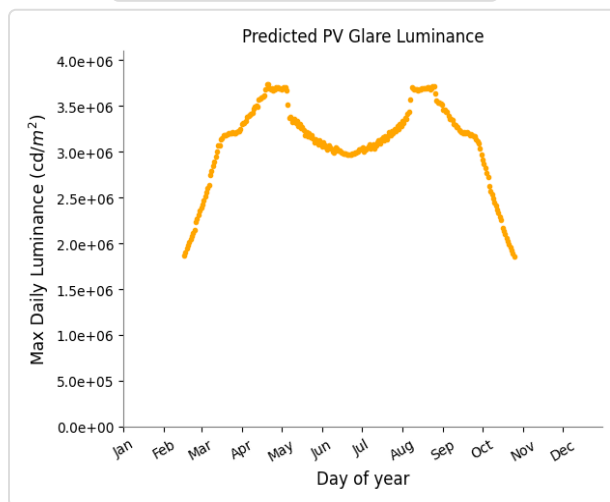
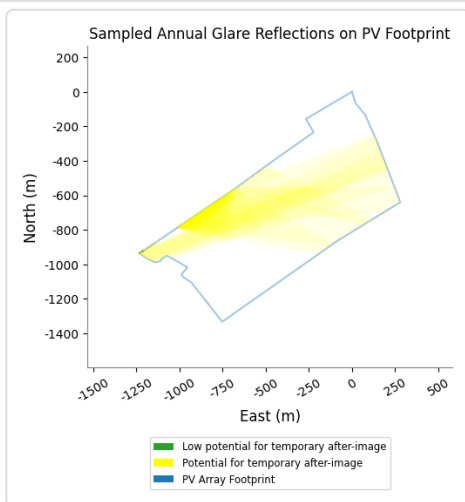
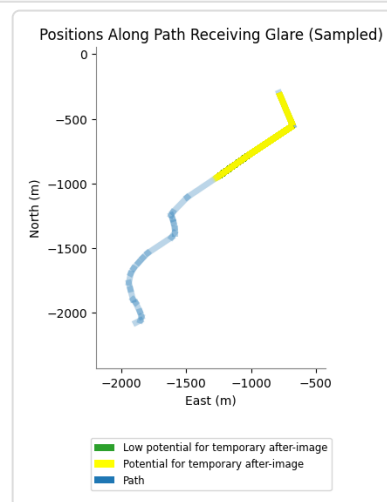
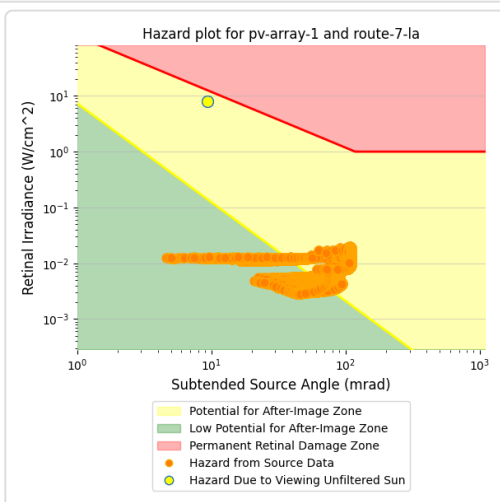
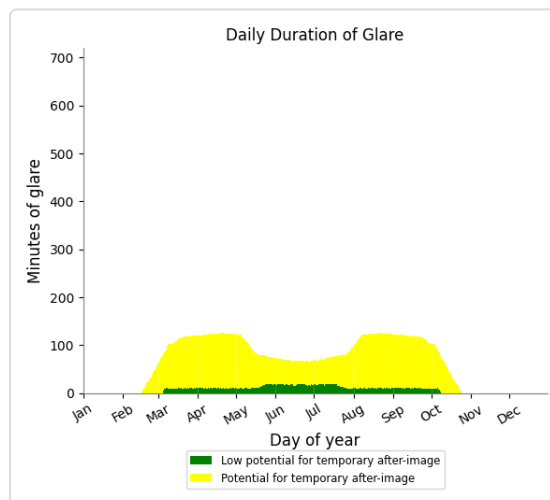
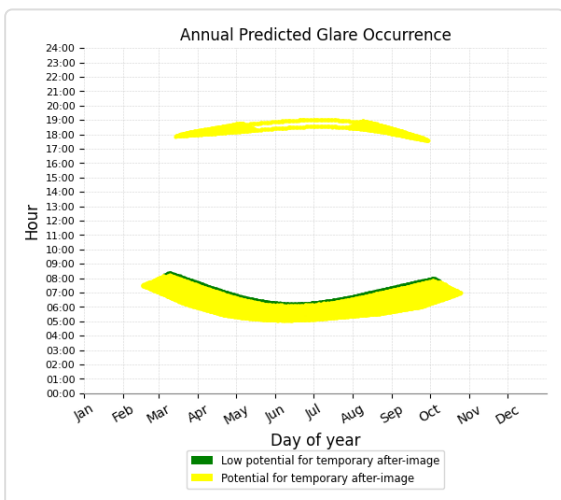
Green glare: 1,498 min.



PV array 1 and Route: Route 7 - Lane connected to Thorpe Road

Yellow glare: 20,610 min.

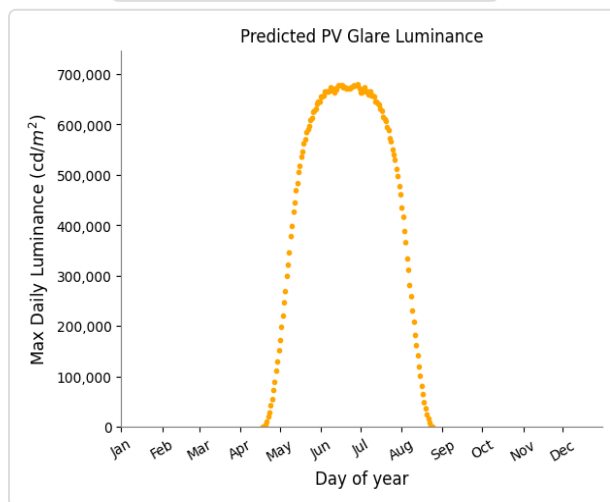
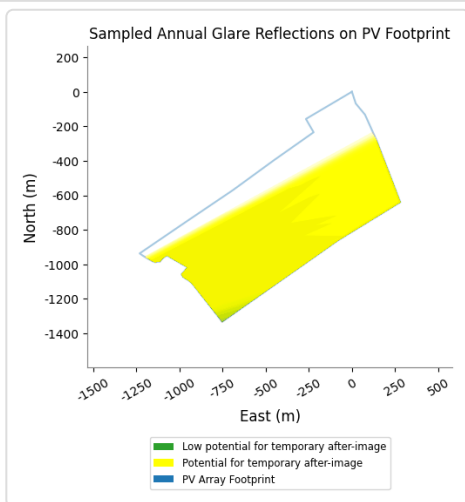
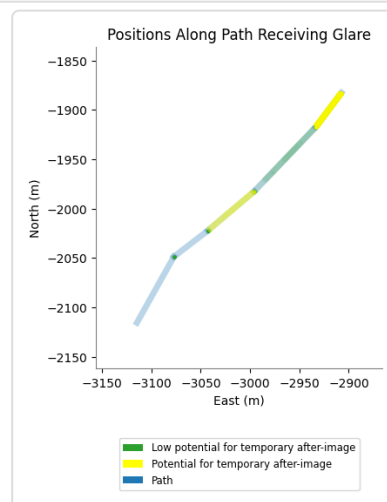
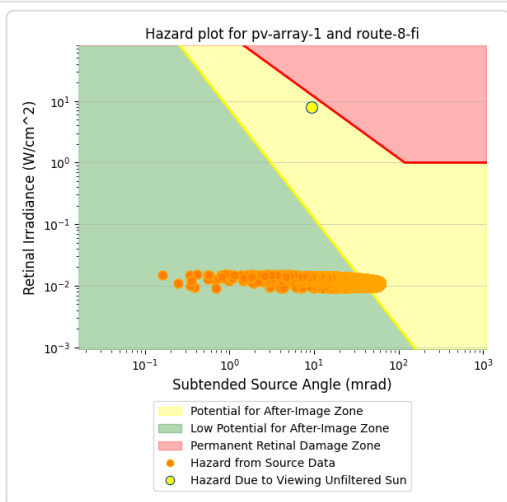
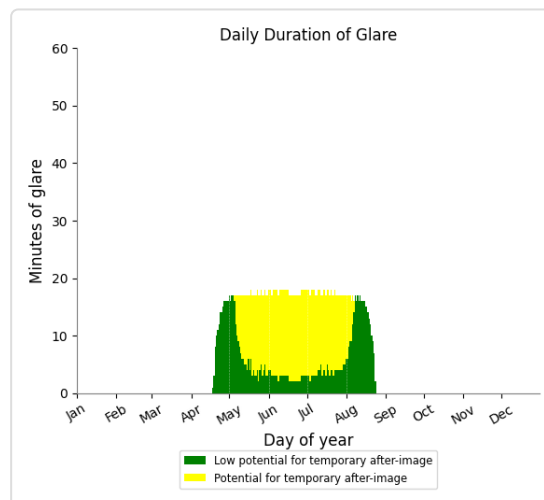
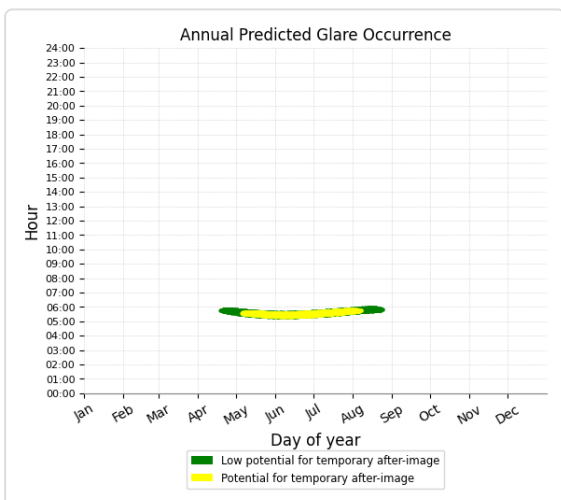
Green glare: 2,727 min.



PV array 1 and Route: Route 8 - Field Lane

Yellow glare: 1,239 min.

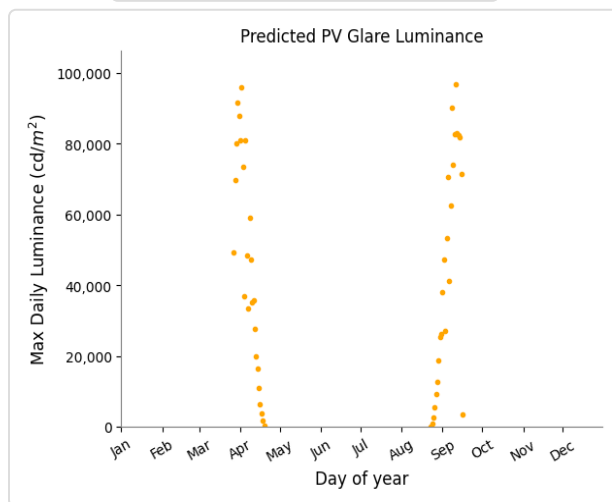
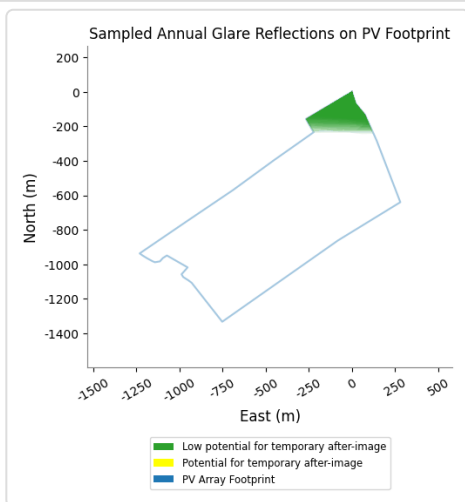
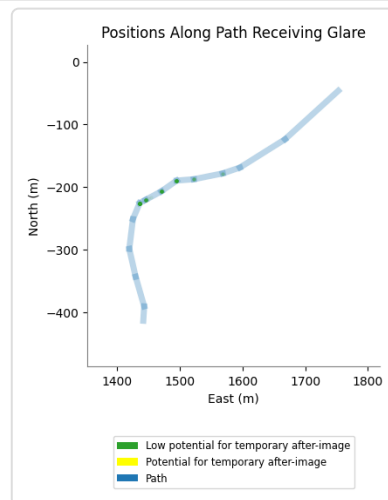
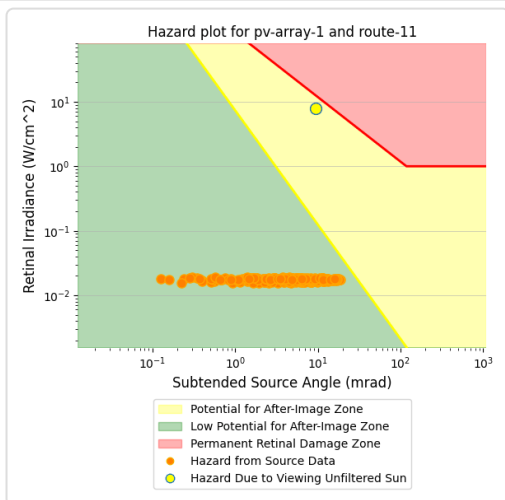
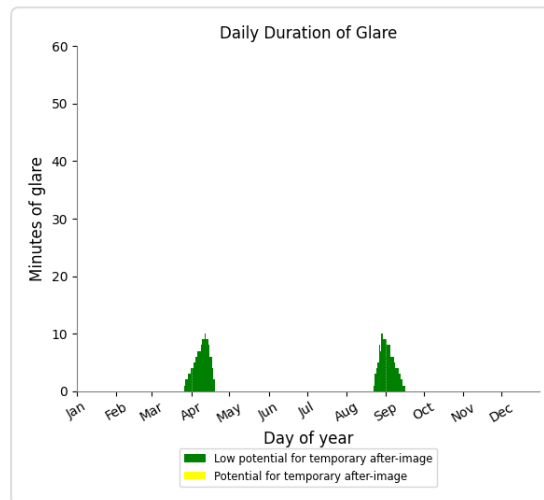
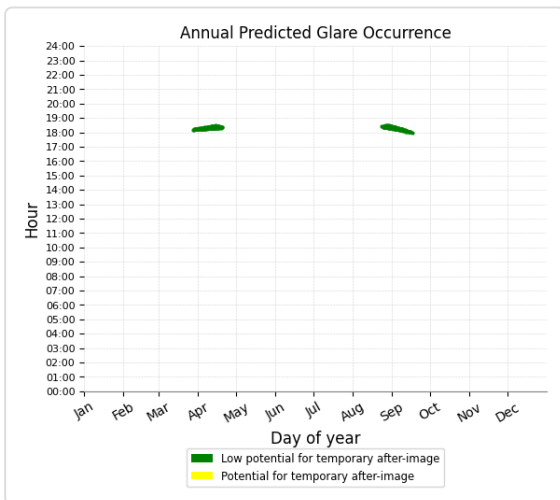
Green glare: 854 min.



PV array 1 and Route: Route 11 - Church Lane

Yellow glare: none

Green glare: 269 min.



PV array 1 and Route: Route 10 - Star Fen Road

No glare found

PV array 1 and Route: Route 13 - Railway

No glare found

PV array 1 and Route: Route 1 - A17

No glare found

PV array 1 and Route: Route 3 - Howell Fen Drove

No glare found

PV array 1 and Route: Route 4 - Heckington Road - south of Howell

No glare found

PV array 1 and Route: Route 5 - Heckington Road - north of Howell

No glare found

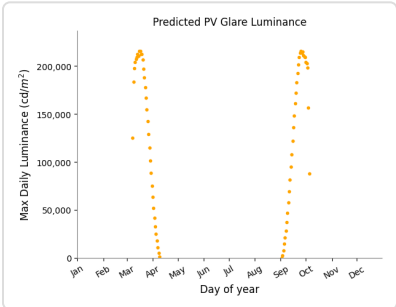
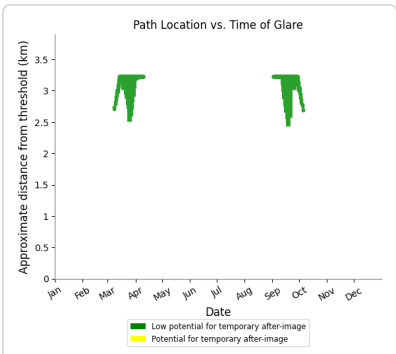
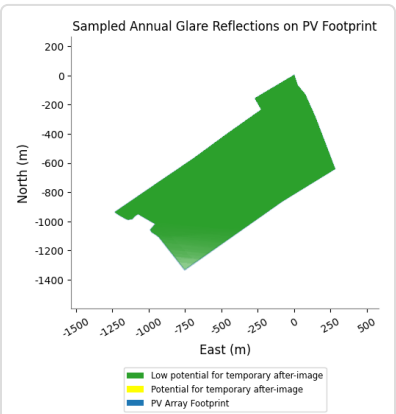
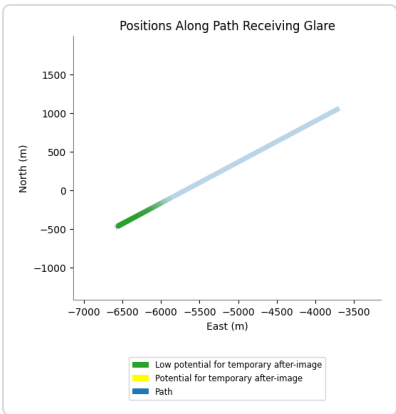
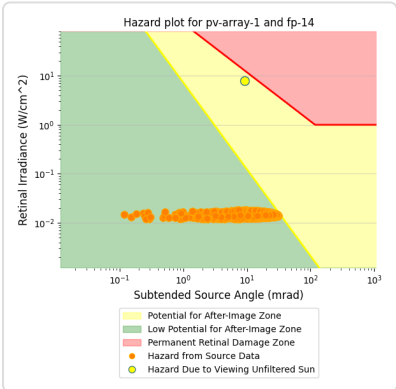
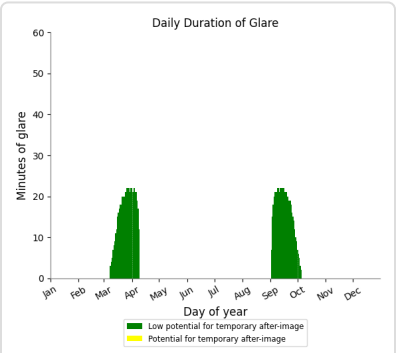
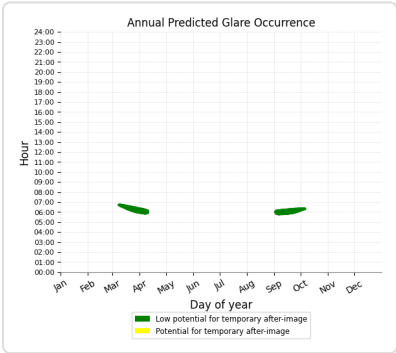
PV array 1 and Route: Route 9 - Littleworth Drove

No glare found

PV array 1 and FP: FP 14 - Anwick West

Yellow glare: none

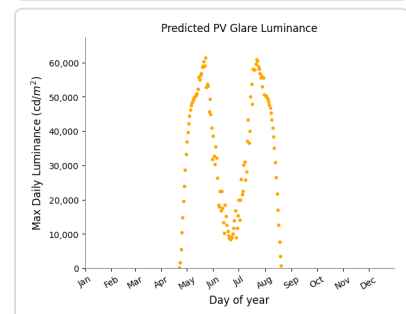
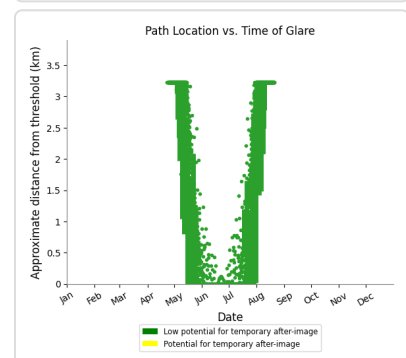
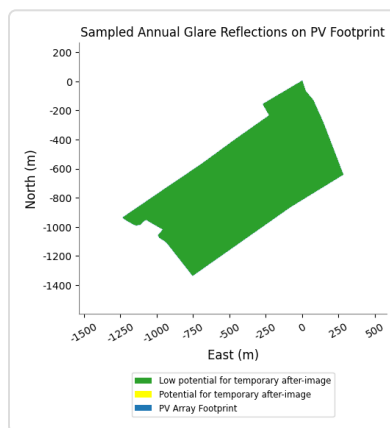
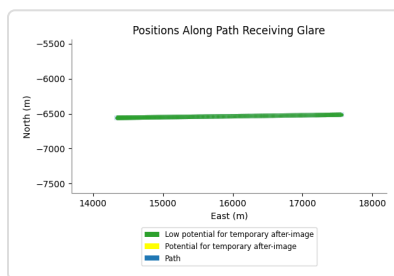
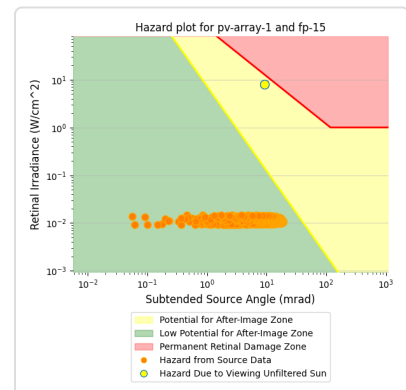
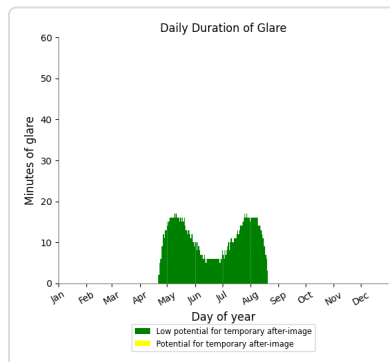
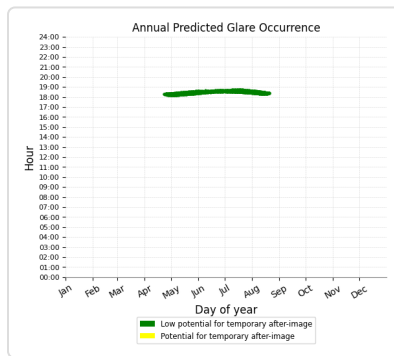
Green glare: 1,107 min.



PV array 1 and FP: FP 15 - Boston East

Yellow glare: none

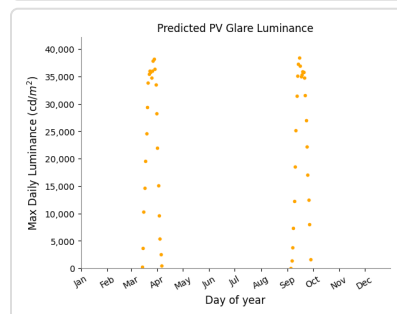
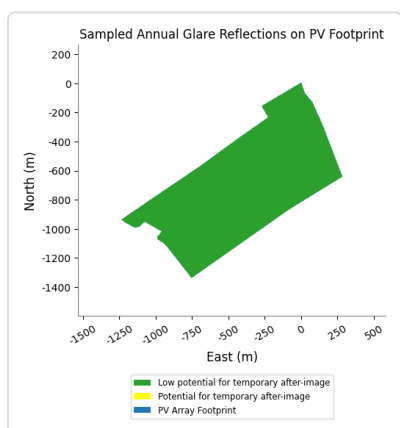
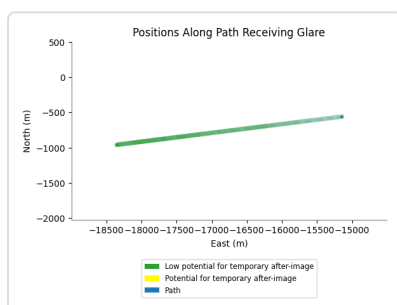
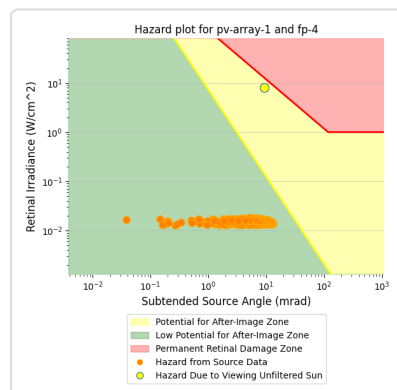
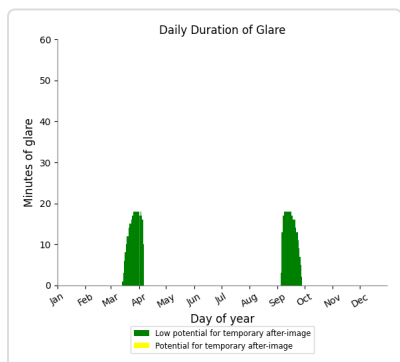
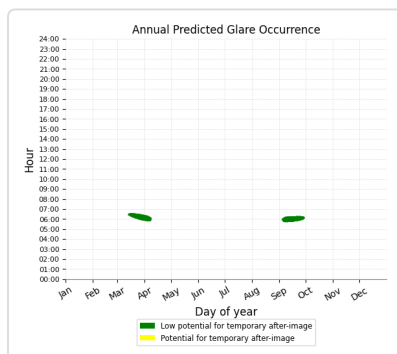
Green glare: 1,347 min.



PV array 1 and FP: FP 4 - RAF Cranwell West

Yellow glare: none

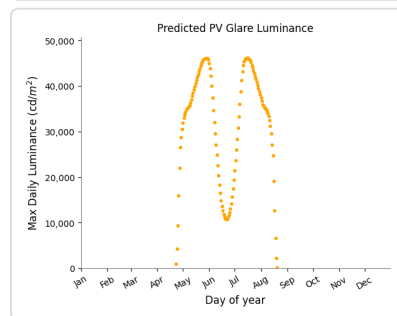
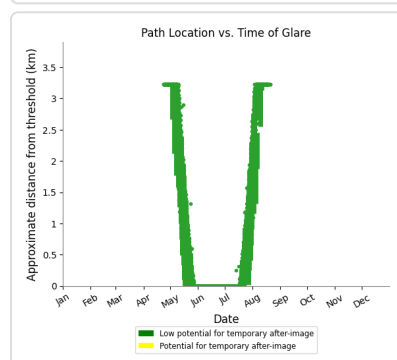
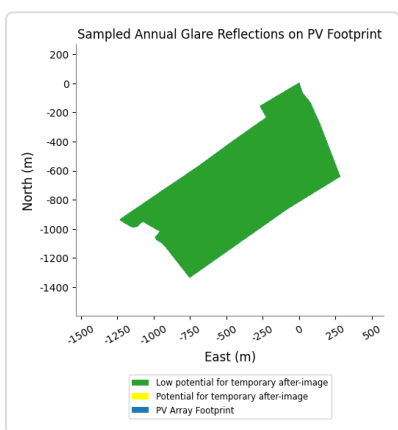
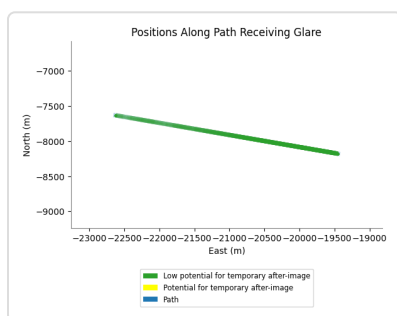
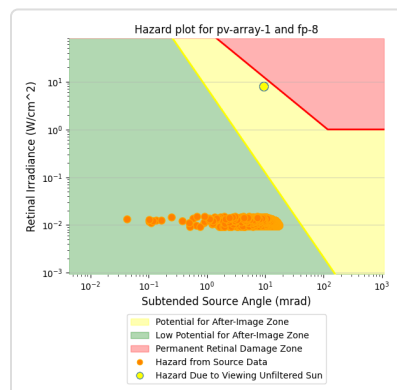
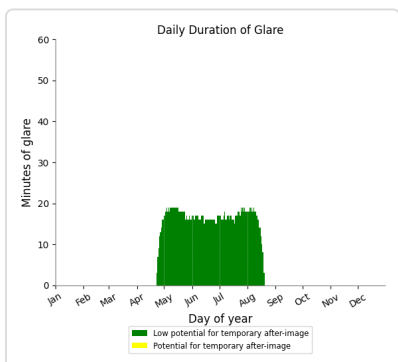
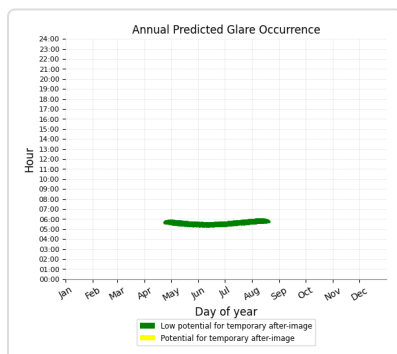
Green glare: 666 min.



PV array 1 and FP: FP 8 - RAF Barkston Heath NW

Yellow glare: none

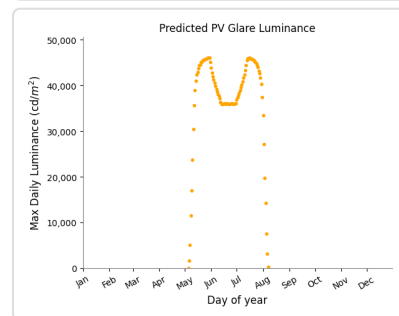
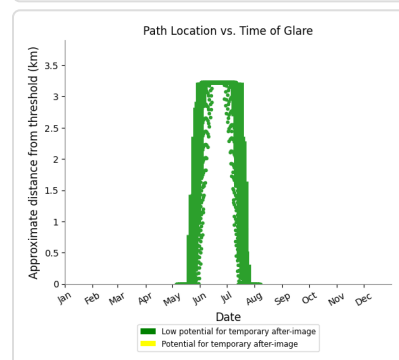
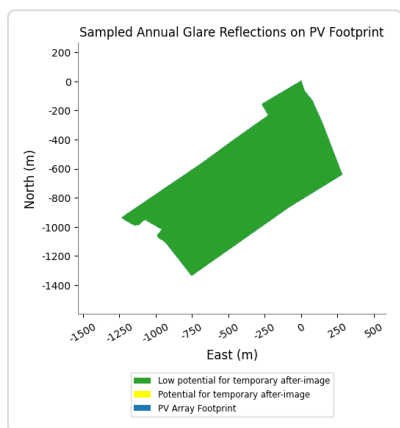
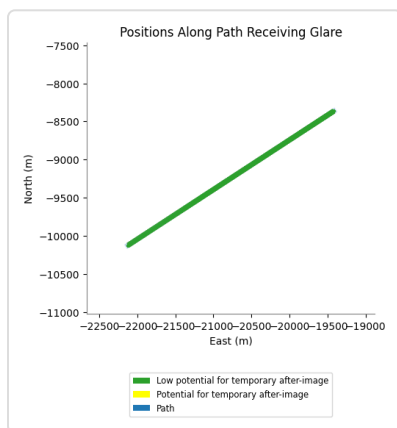
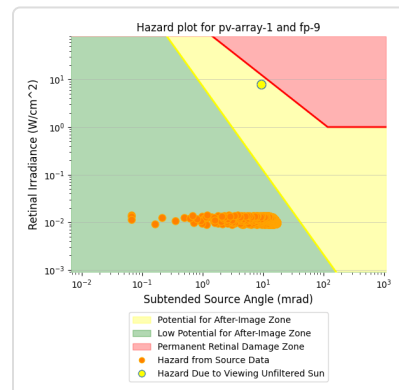
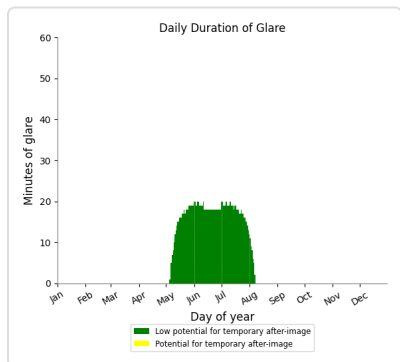
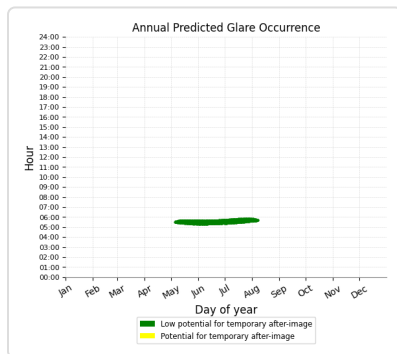
Green glare: 1,957 min.



PV array 1 and FP: FP 9 - RAF Barkston Heath SW

Yellow glare: none

Green glare: 1,555 min.



PV array 1 and FP: FP 10 - RAF Barkston Heath NE

No glare found

PV array 1 and FP: FP 11 - RAF Barkston Heath South

No glare found

PV array 1 and FP: FP 12 - RAF Barkston Heath North

No glare found

PV array 1 and FP: FP 13 - Anwick East

No glare found

PV array 1 and FP: FP 16 - Boston West

No glare found

PV array 1 and FP: FP 17 - Waddington South

No glare found

PV array 1 and FP: FP 18 - Waddington North

No glare found

PV array 1 and FP: FP 19 - Griffins Farm East

No glare found

PV array 1 and FP: FP 1 - RAF Coningsby East

No glare found

PV array 1 and FP: FP 20 - Griffins Farm West

No glare found

PV array 1 and FP: FP 2 - RAF Coningsby West

No glare found

PV array 1 and FP: FP 3 - RAF Cranwell East

No glare found

PV array 1 and FP: FP 5 - RAF Cranwell South

No glare found

PV array 1 and FP: FP 6 - RAF Cranwell North

No glare found

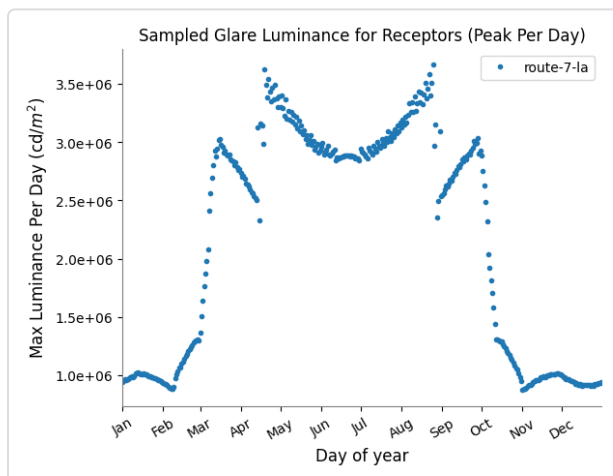
PV array 1 and FP: FP 7 - RAF Barkston Heath SE

No glare found

PV: PV array 10 potential temporary after-image

Receptor results ordered by category of glare

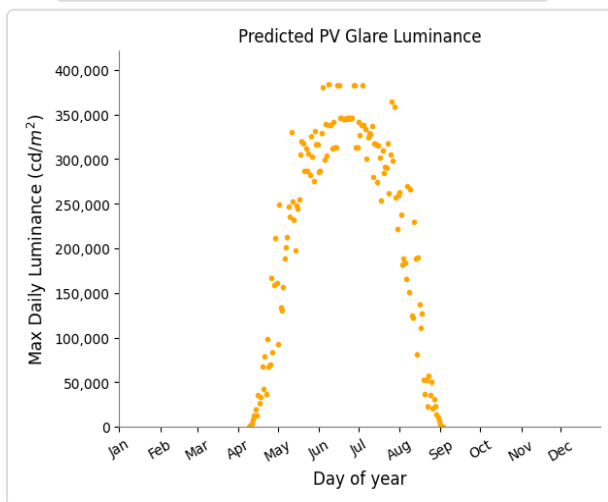
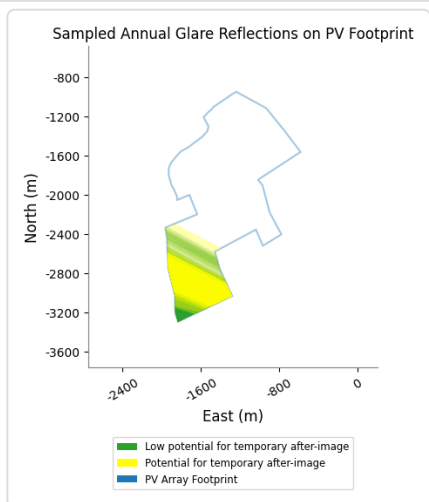
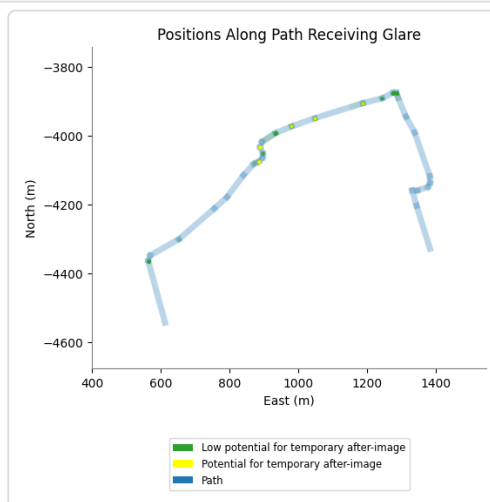
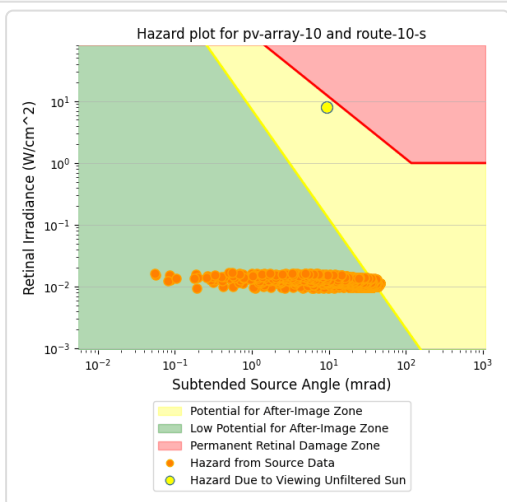
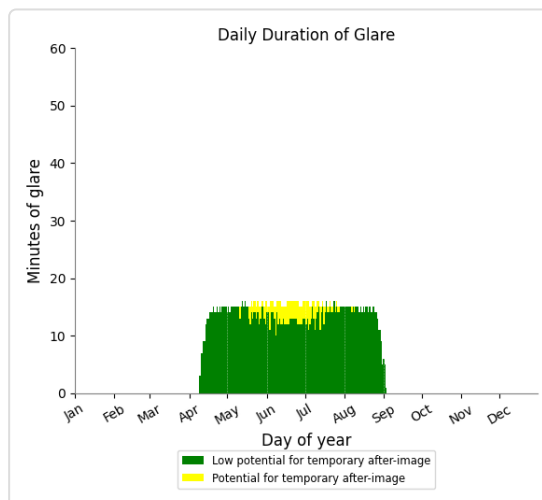
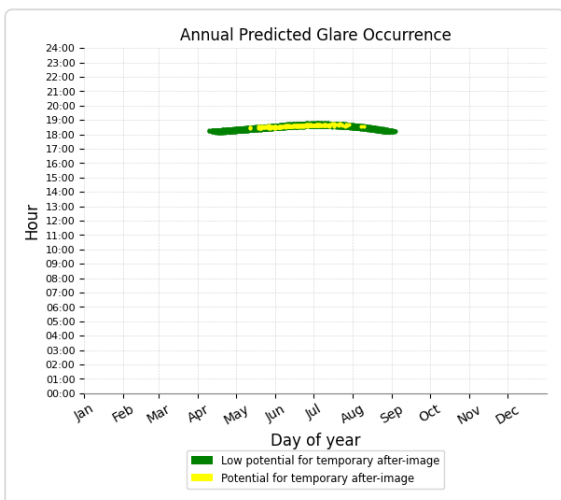
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
Route 10 - Star Fen Road	1,955	32.6	179	3.0	383,730
Route 12 - Cow Drove	391	6.5	255	4.2	351,070
Route 2 - B1395	2,089	34.8	329	5.5	386,102
Route 3 - Howell Fen Drove	866	14.4	4,492	74.9	1,532,530
Route 5 - Heckington Road - north of Howell	359	6.0	3,860	64.3	2,547,494
Route 6 - Thorpe Road	747	12.4	4,107	68.5	1,924,699
Route 7 - Lane connected to Thorpe Road	24,170	402.8	34,584	576.4	3,664,579
Route 8 - Field Lane	20	0.3	4	0.1	405,559
Route 9 - Littleworth Drove	1,633	27.2	629	10.5	444,583
Route 13 - Railway	102	1.7	0	0.0	6,229
Route 1 - A17	1,179	19.6	0	0.0	106,757
Route 11 - Church Lane	0	0.0	0	0.0	0
Route 4 - Heckington Road - south of Howell	0	0.0	0	0.0	0
FP 14 - Anwick West	254	4.2	0	0.0	89,898
FP 15 - Boston East	1,565	26.1	0	0.0	100,558
FP 4 - RAF Cranwell West	349	5.8	0	0.0	55,253
FP 8 - RAF Barkston Heath NW	1,142	19.0	0	0.0	89,378
FP 9 - RAF Barkston Heath SW	1,540	25.7	0	0.0	71,024
FP 10 - RAF Barkston Heath NE	0	0.0	0	0.0	0
FP 11 - RAF Barkston Heath South	0	0.0	0	0.0	0
FP 12 - RAF Barkston Heath North	0	0.0	0	0.0	0
FP 13 - Anwick East	0	0.0	0	0.0	0
FP 16 - Boston West	0	0.0	0	0.0	0
FP 17 - Waddington South	0	0.0	0	0.0	0
FP 18 - Waddington North	0	0.0	0	0.0	0
FP 19 - Griffins Farm East	0	0.0	0	0.0	0
FP 1 - RAF Coningsby East	0	0.0	0	0.0	0
FP 20 - Griffins Farm West	0	0.0	0	0.0	0
FP 2 - RAF Coningsby West	0	0.0	0	0.0	0
FP 3 - RAF Cranwell East	0	0.0	0	0.0	0
FP 5 - RAF Cranwell South	0	0.0	0	0.0	0
FP 6 - RAF Cranwell North	0	0.0	0	0.0	0
FP 7 - RAF Barkston Heath SE	0	0.0	0	0.0	0



PV array 10 and Route: Route 10 - Star Fen Road

Yellow glare: 179 min.

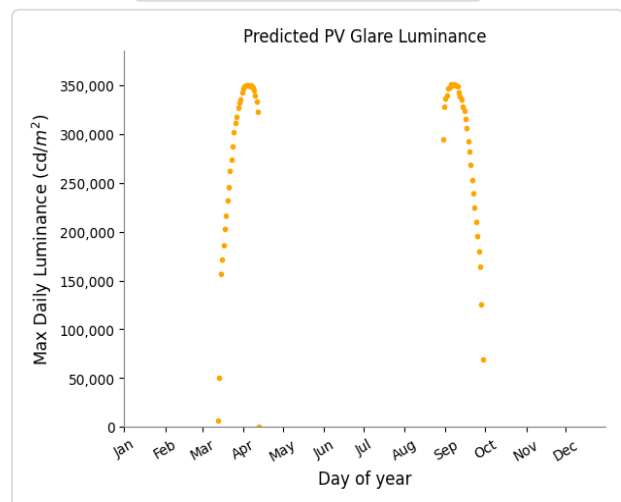
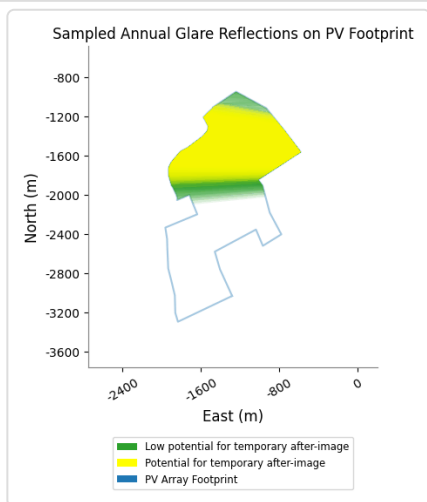
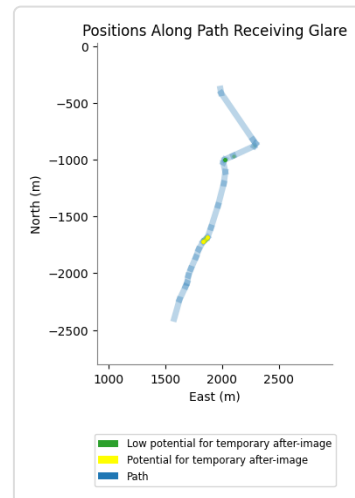
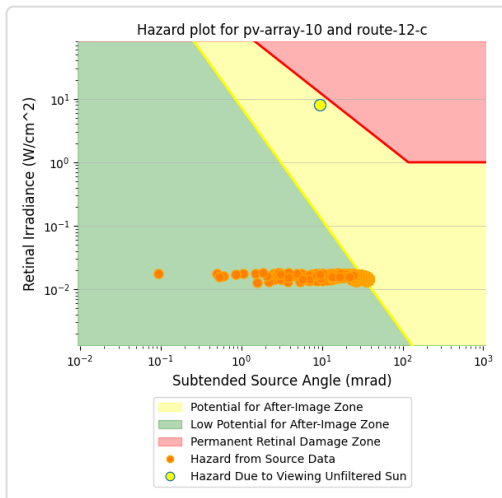
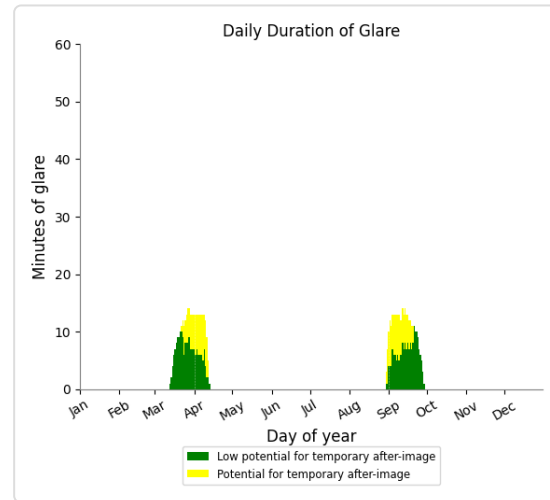
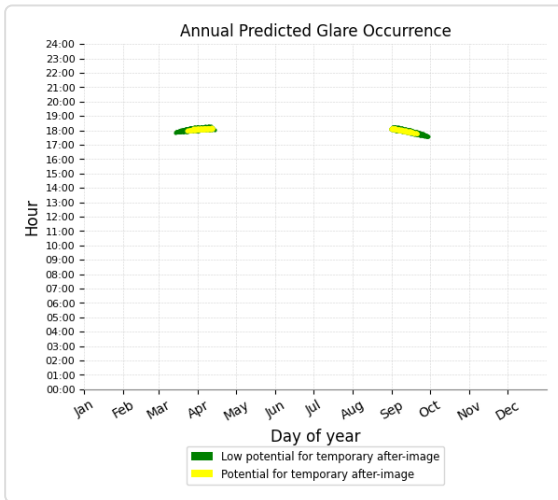
Green glare: 1,955 min.



PV array 10 and Route: Route 12 - Cow Drove

Yellow glare: 255 min.

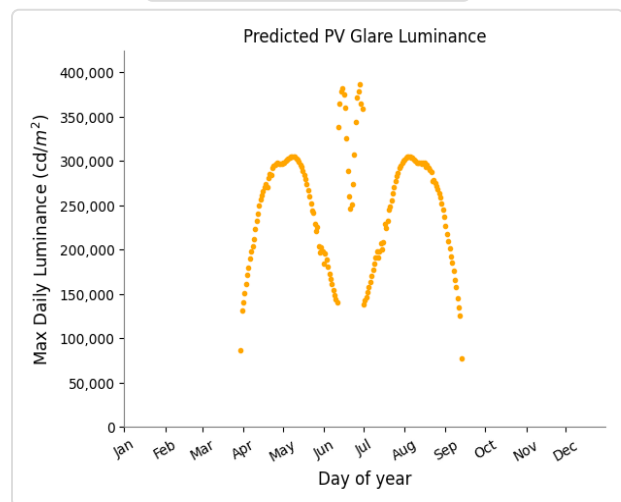
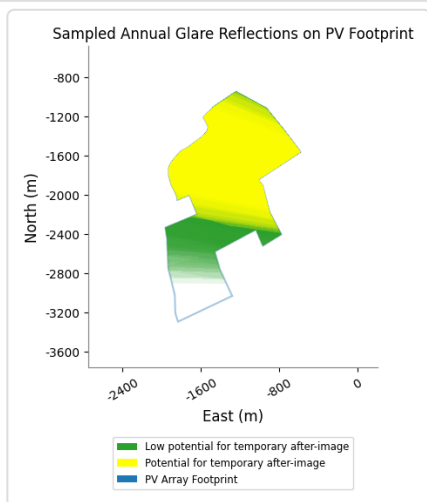
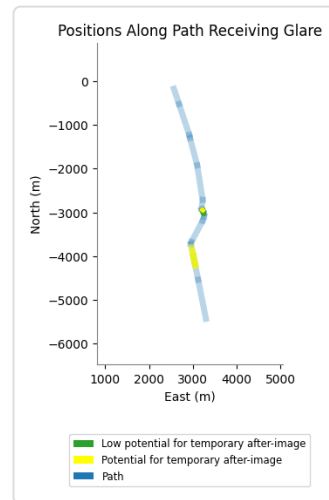
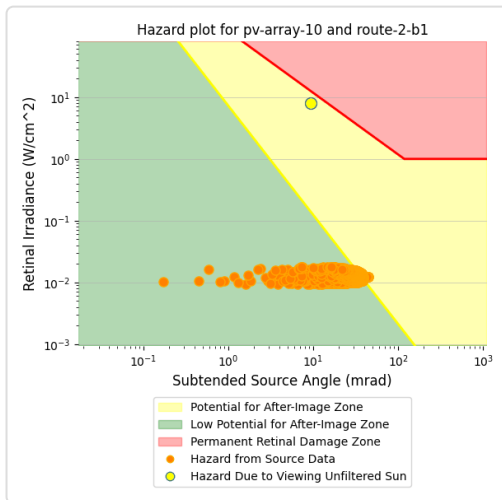
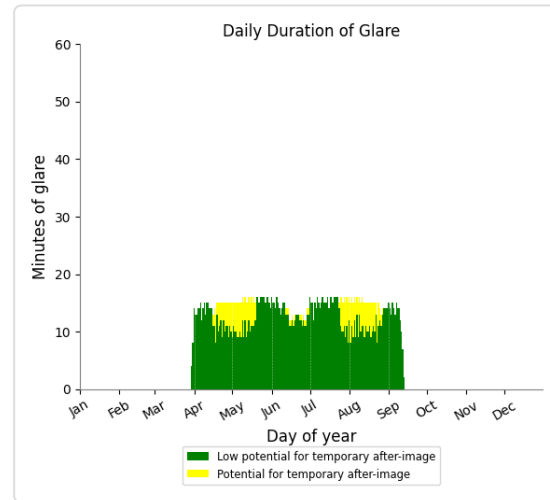
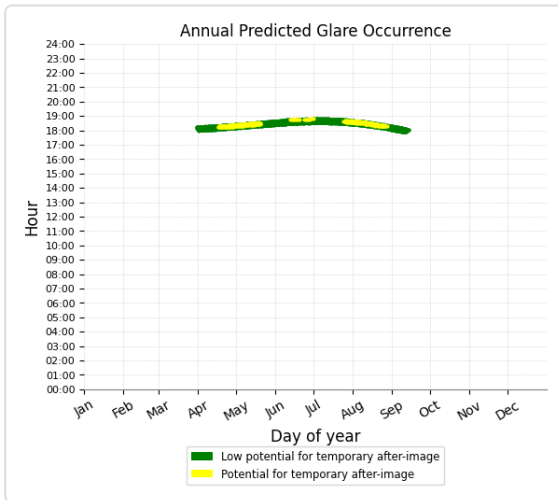
Green glare: 391 min.



PV array 10 and Route: Route 2 - B1395

Yellow glare: 329 min.

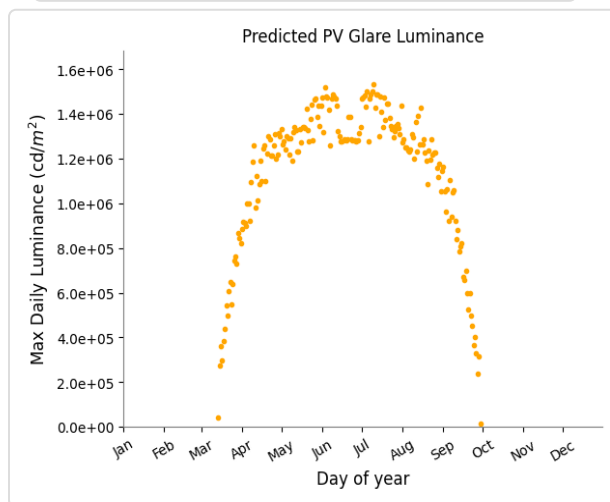
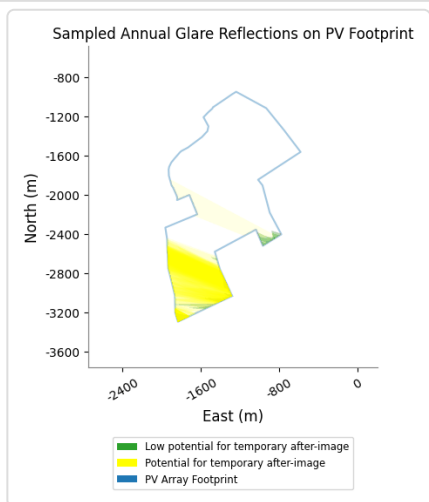
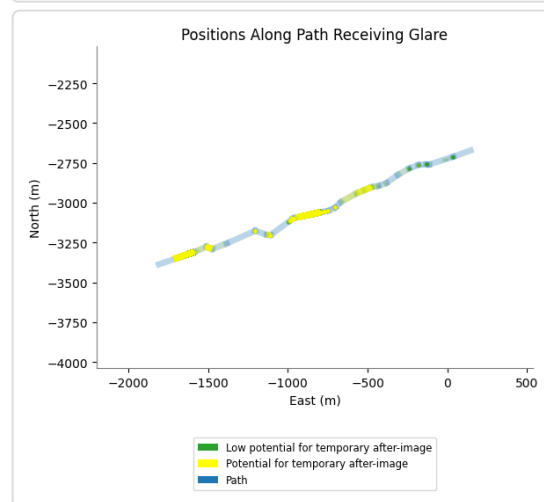
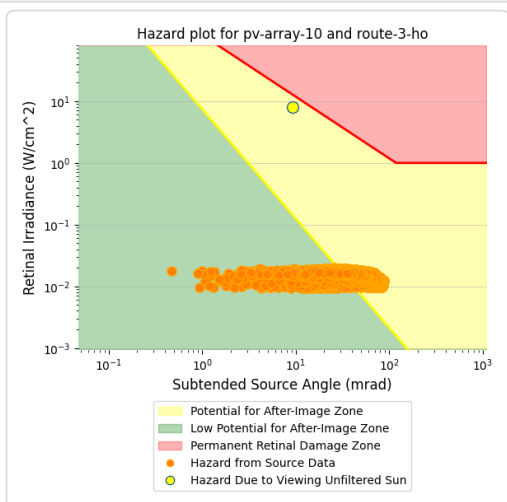
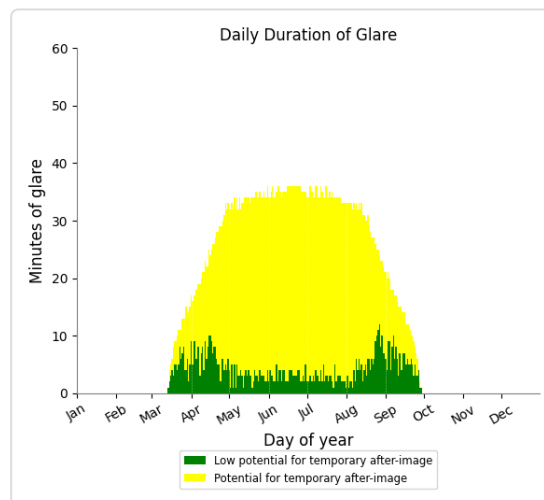
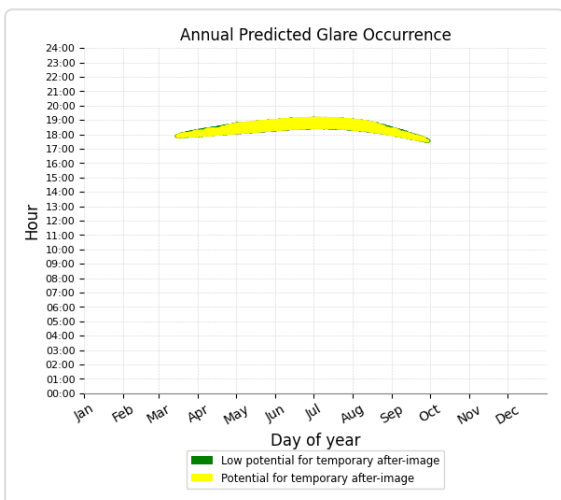
Green glare: 2,089 min.



PV array 10 and Route: Route 3 - Howell Fen Drove

Yellow glare: 4,492 min.

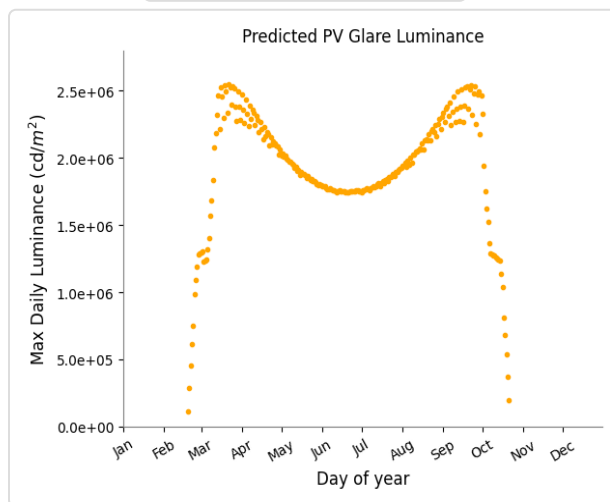
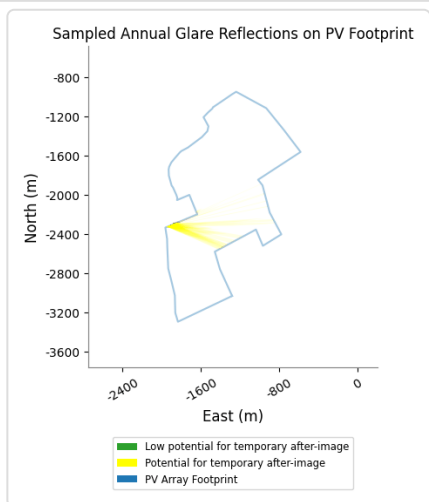
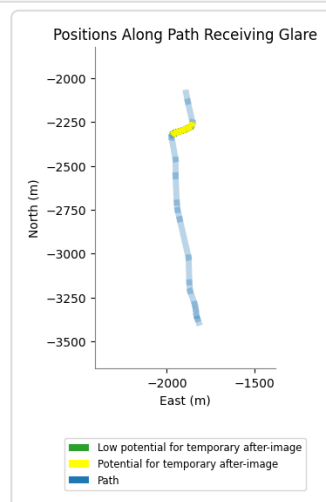
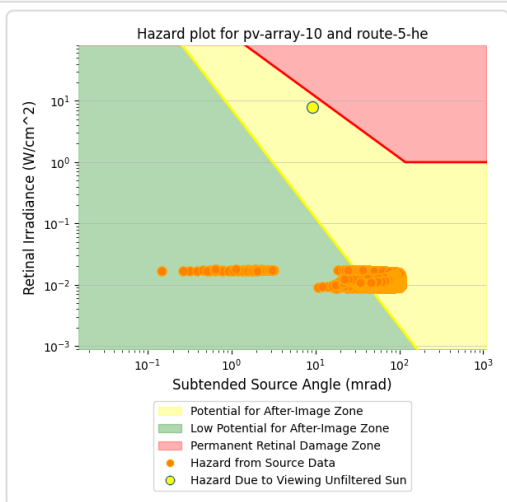
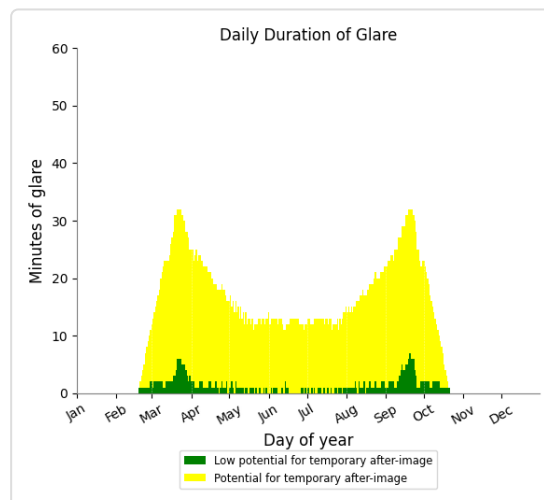
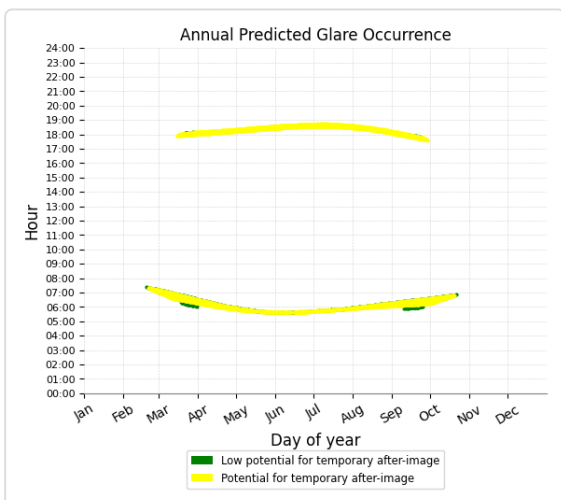
Green glare: 866 min.



PV array 10 and Route: Route 5 - Heckington Road - north of Howell

Yellow glare: 3,860 min.

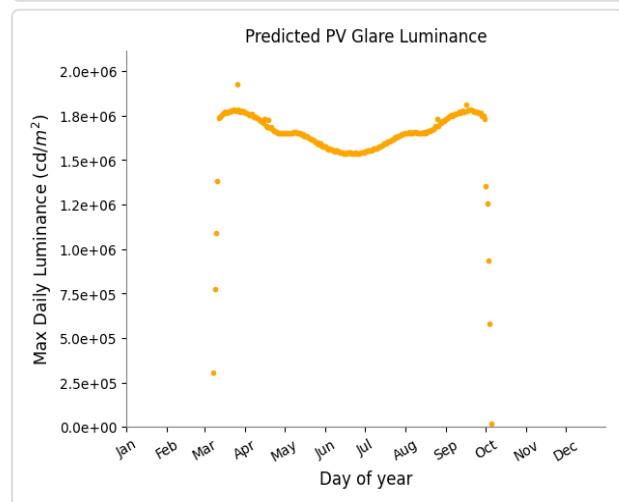
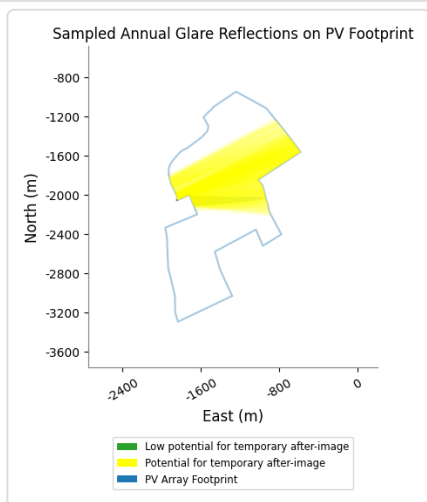
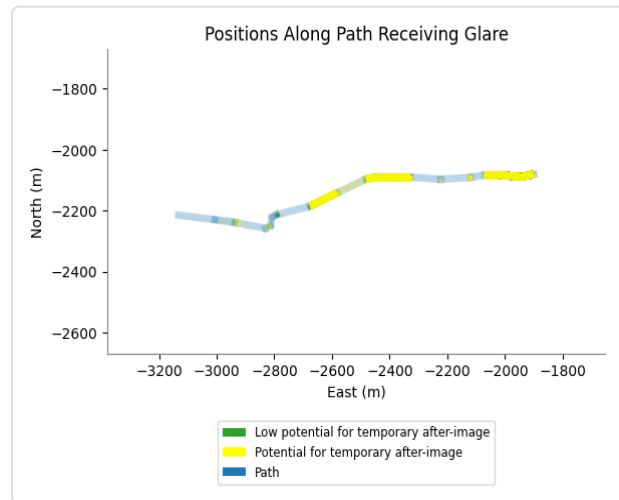
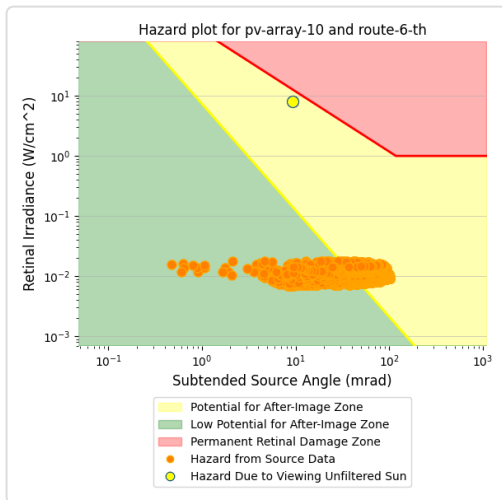
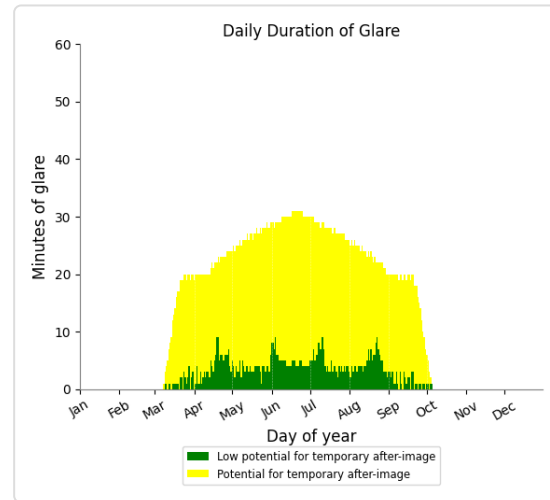
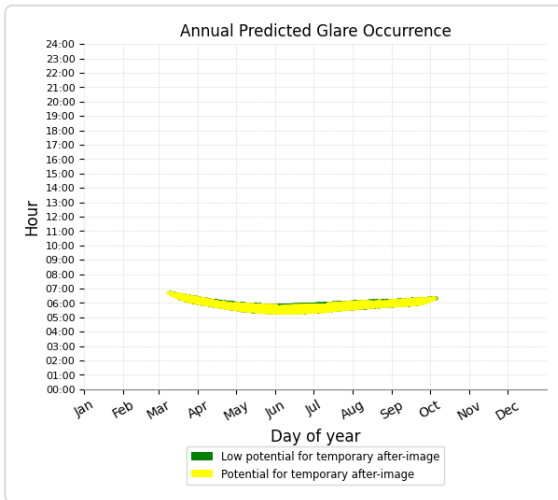
Green glare: 359 min.



PV array 10 and Route: Route 6 - Thorpe Road

Yellow glare: 4,107 min.

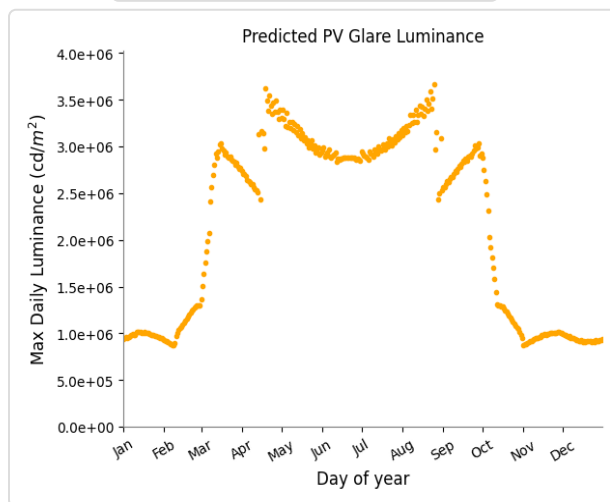
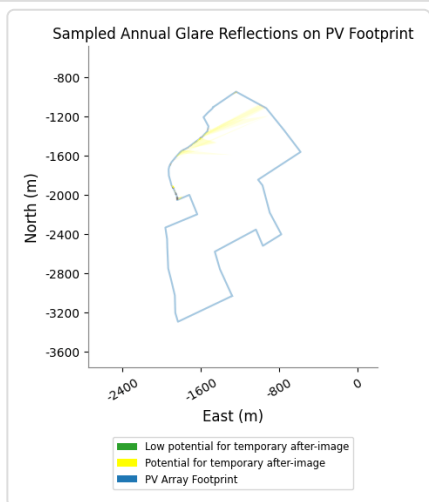
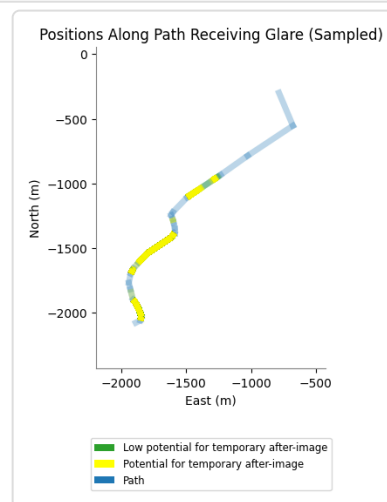
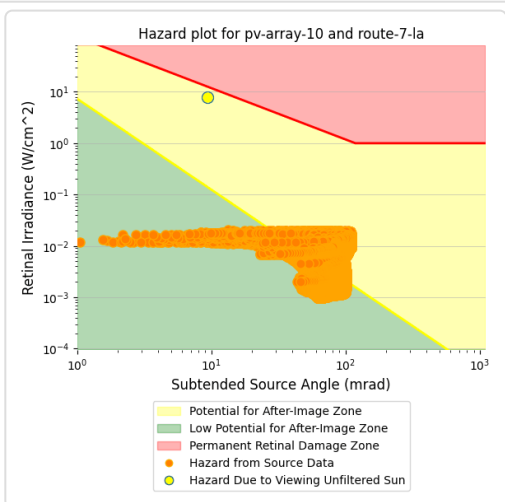
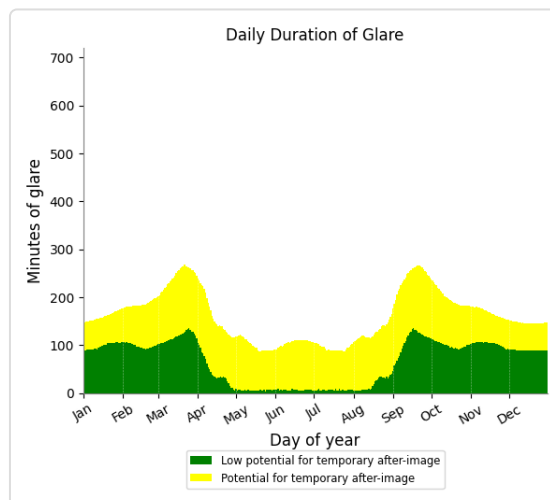
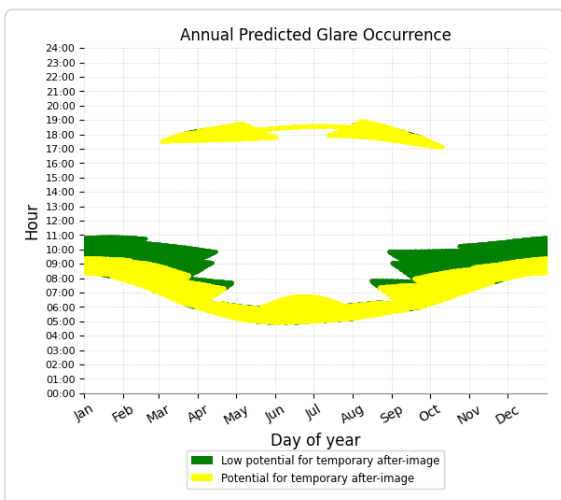
Green glare: 747 min.



PV array 10 and Route: Route 7 - Lane connected to Thorpe Road

Yellow glare: 34,584 min.

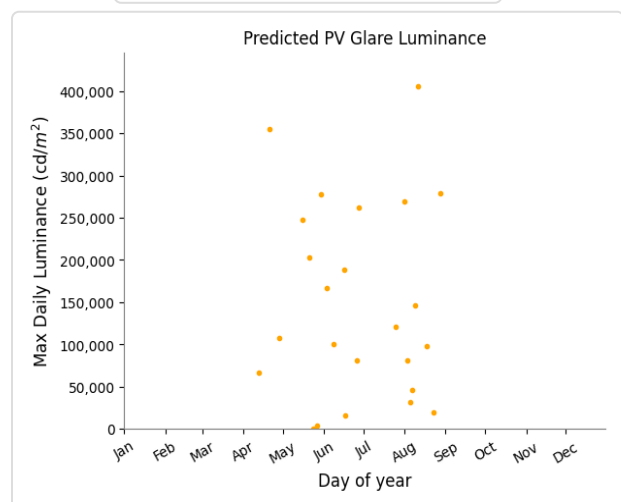
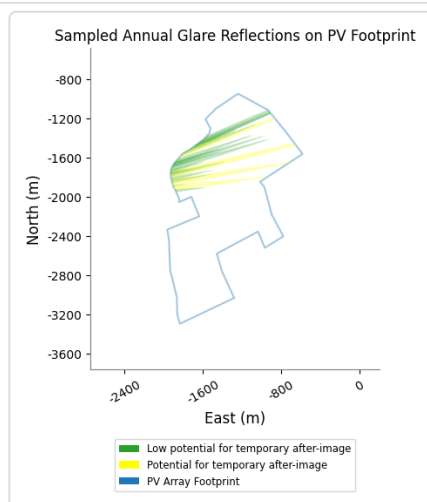
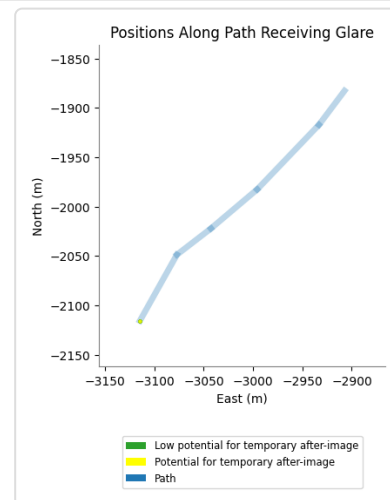
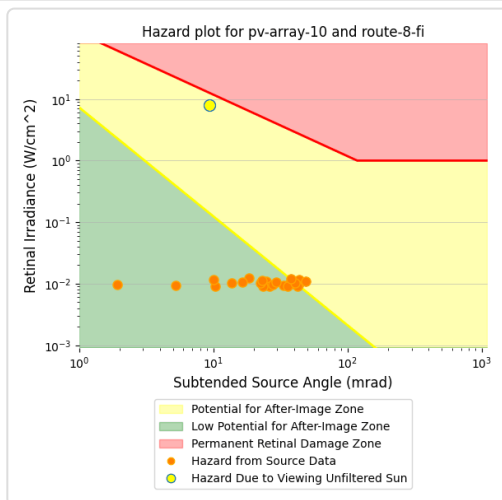
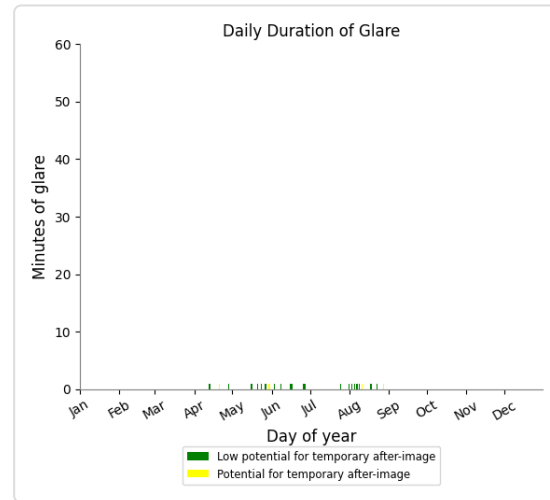
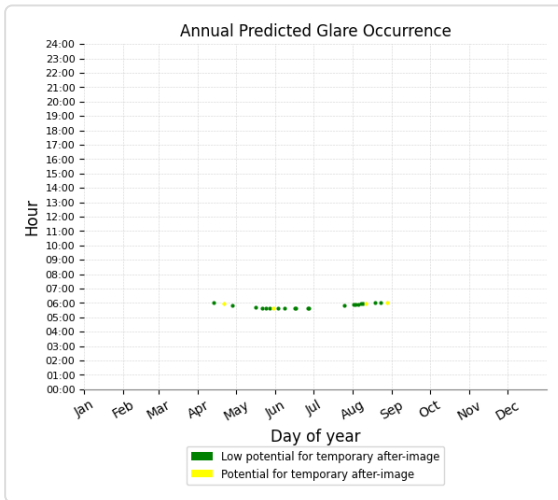
Green glare: 24,170 min.



PV array 10 and Route: Route 8 - Field Lane

Yellow glare: 4 min.

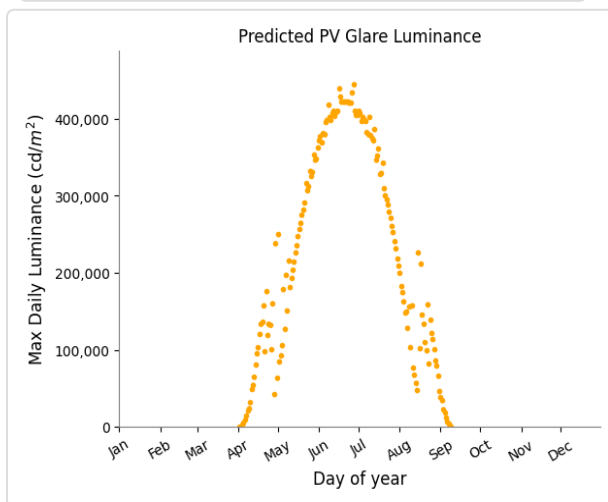
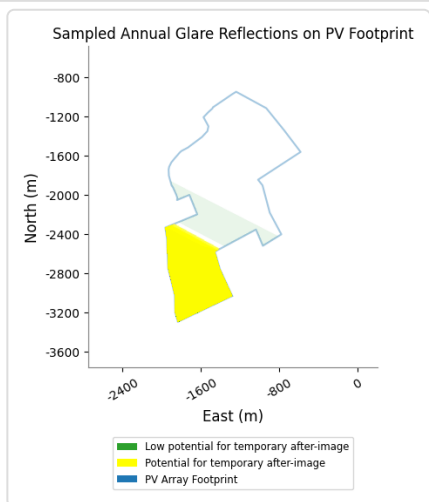
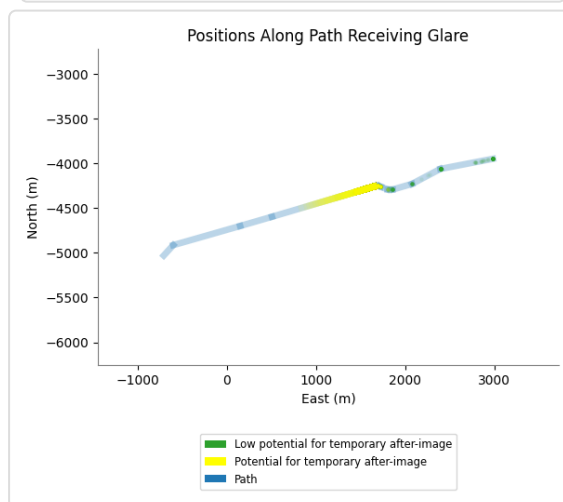
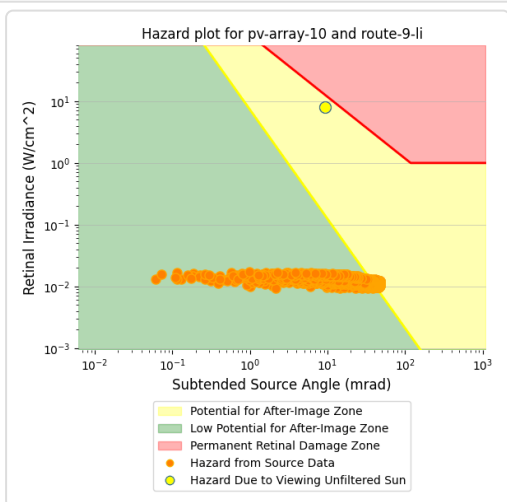
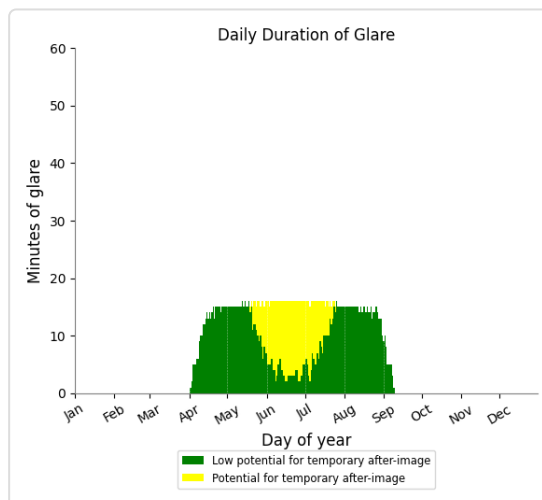
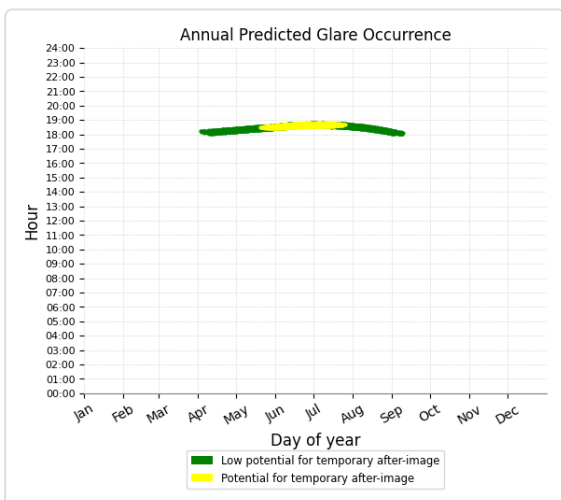
Green glare: 20 min.



PV array 10 and Route: Route 9 - Littleworth Drove

Yellow glare: 629 min.

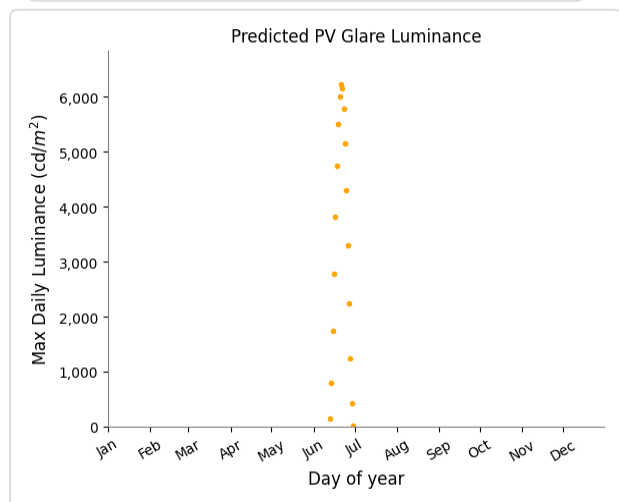
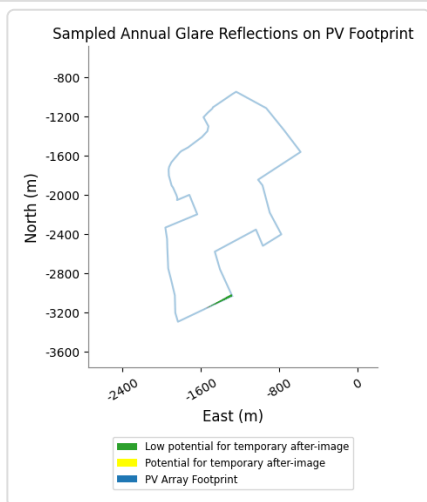
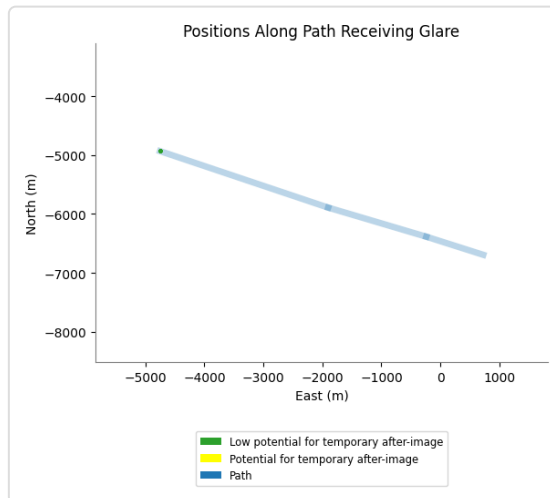
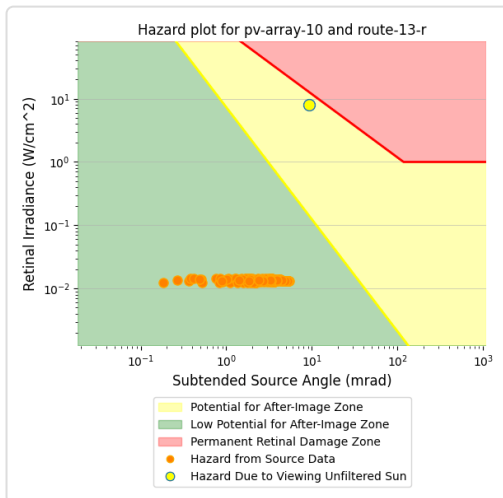
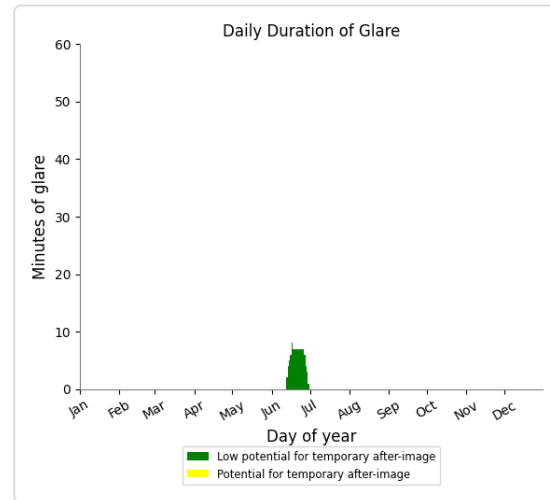
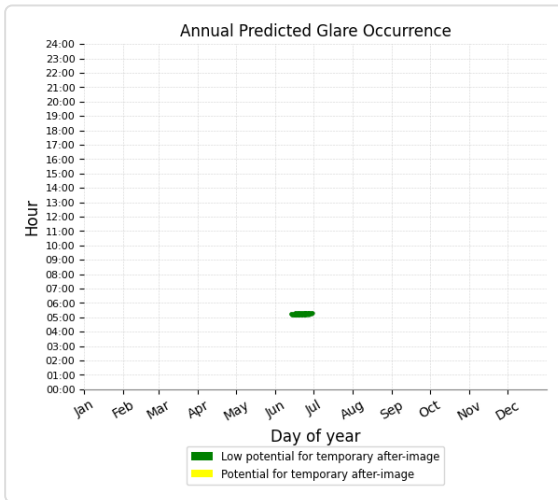
Green glare: 1,633 min.



PV array 10 and Route: Route 13 - Railway

Yellow glare: none

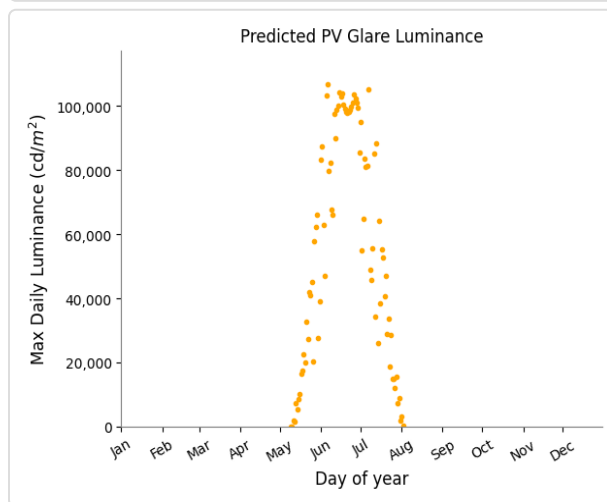
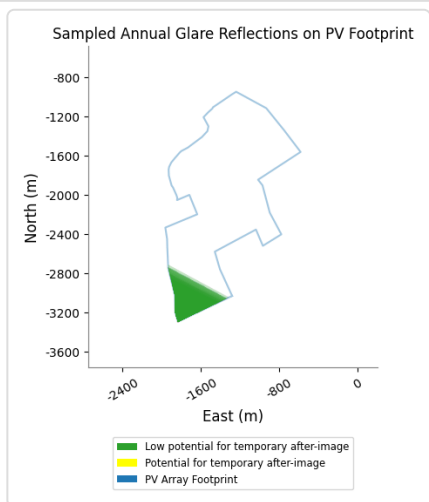
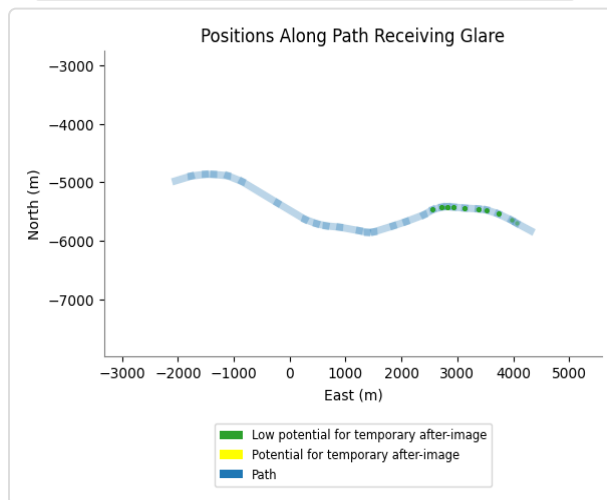
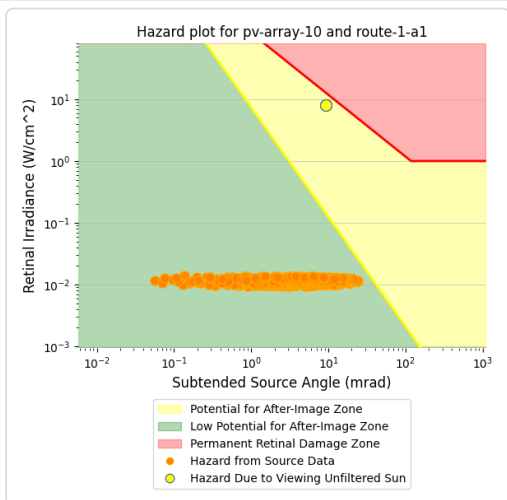
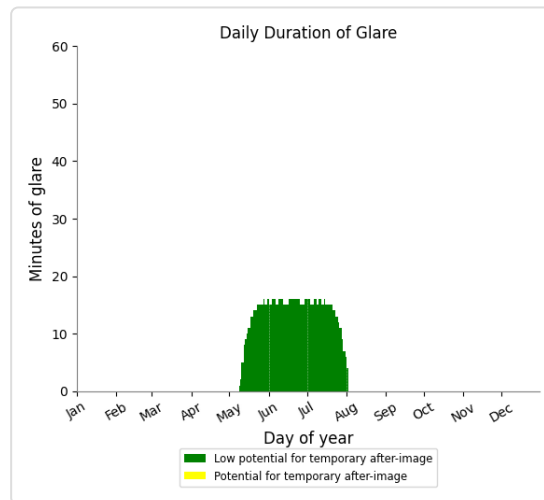
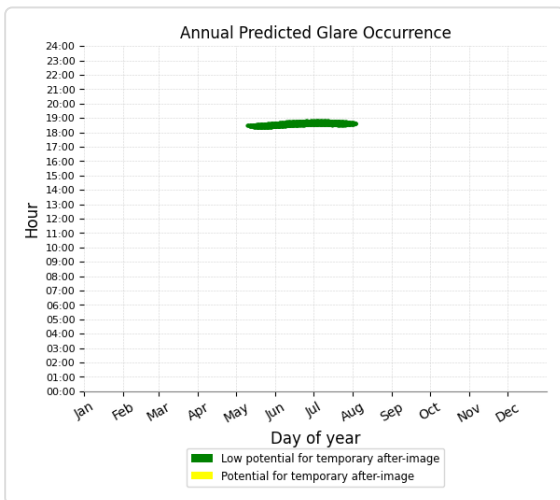
Green glare: 102 min.



PV array 10 and Route: Route 1 - A17

Yellow glare: none

Green glare: 1,179 min.



PV array 10 and Route: Route 11 - Church Lane

No glare found

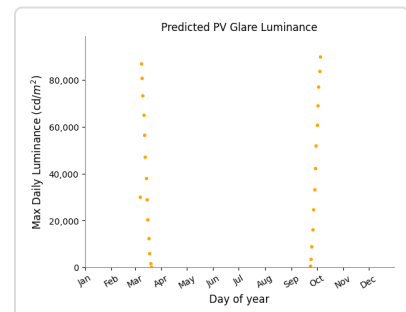
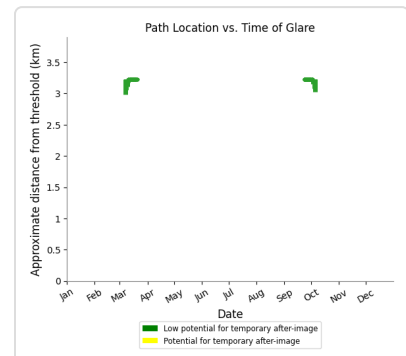
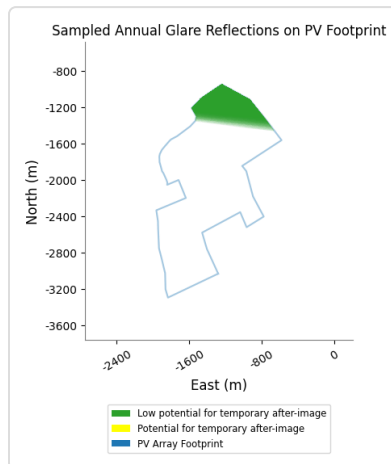
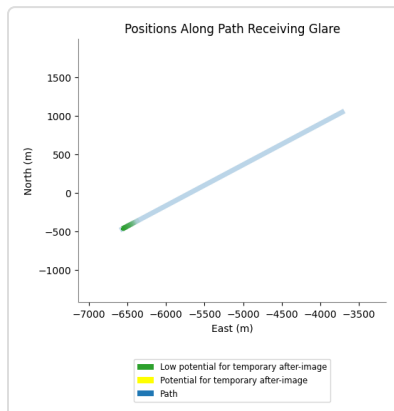
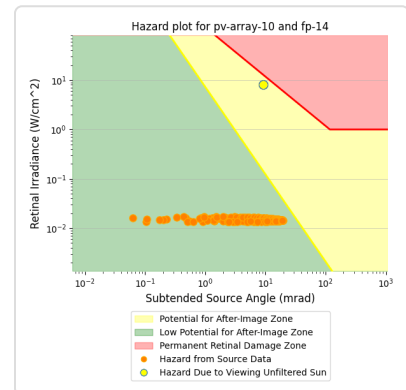
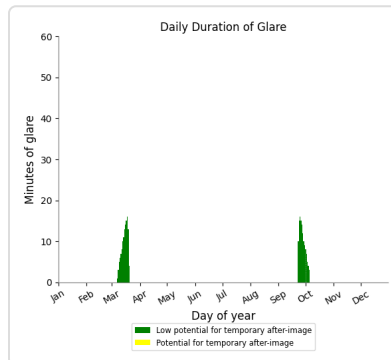
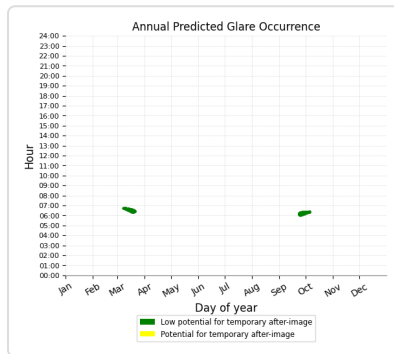
PV array 10 and Route: Route 4 - Heckington Road - south of Howell

No glare found

PV array 10 and FP: FP 14 - Anwick West

Yellow glare: none

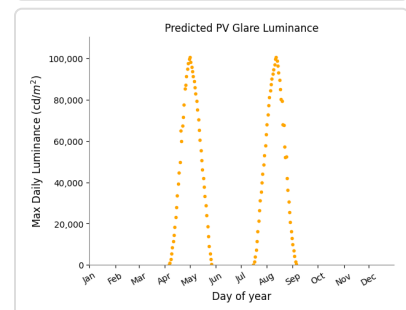
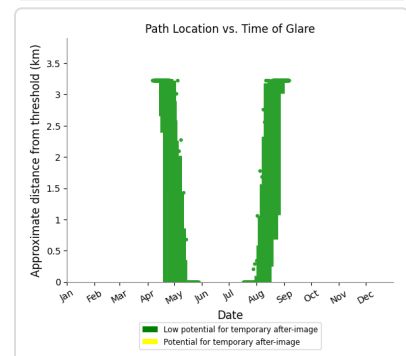
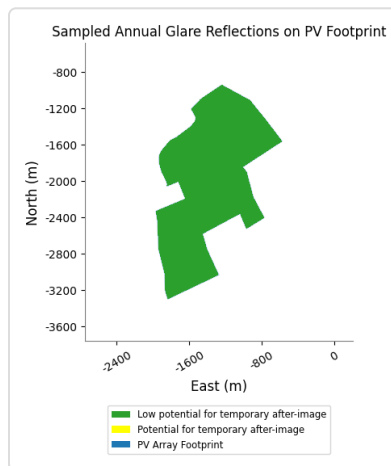
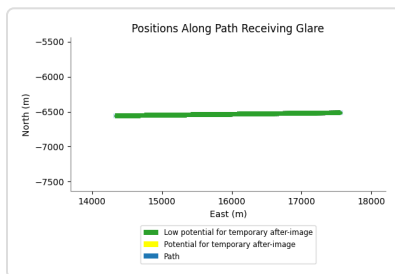
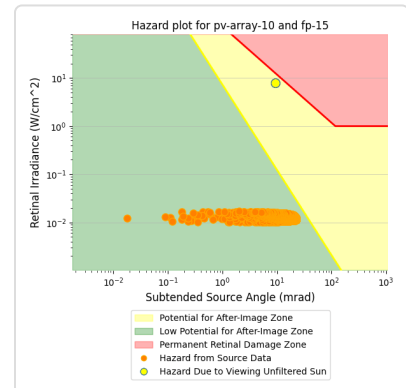
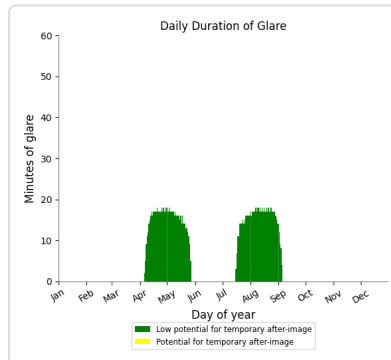
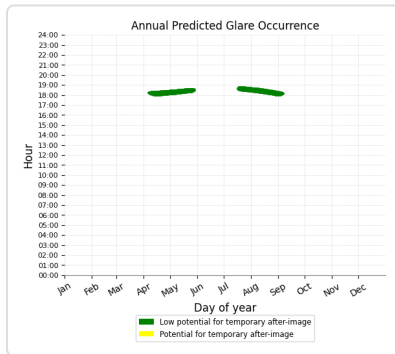
Green glare: 254 min.



PV array 10 and FP: FP 15 - Boston East

Yellow glare: none

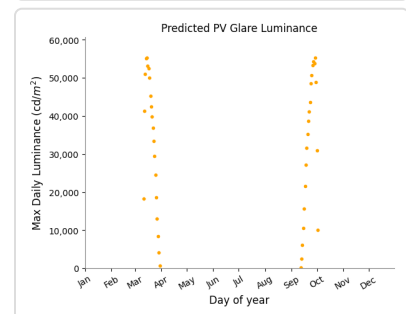
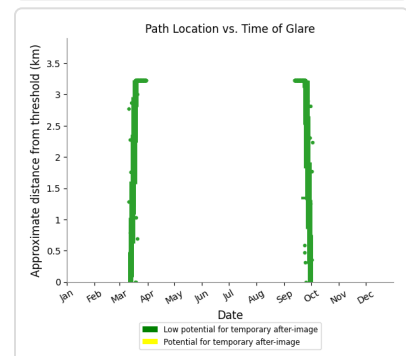
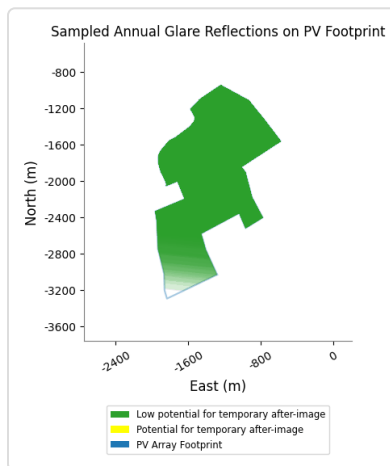
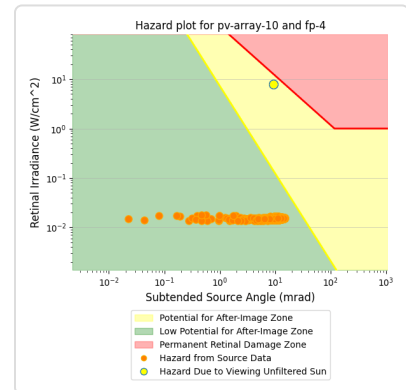
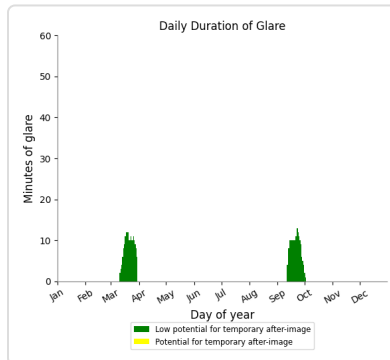
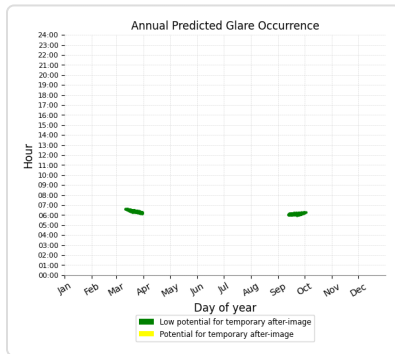
Green glare: 1,565 min.



PV array 10 and FP: FP 4 - RAF Cranwell West

Yellow glare: none

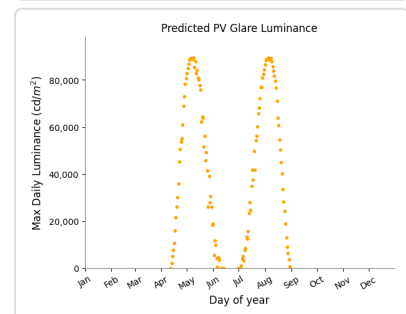
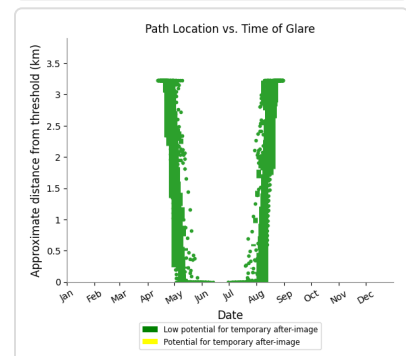
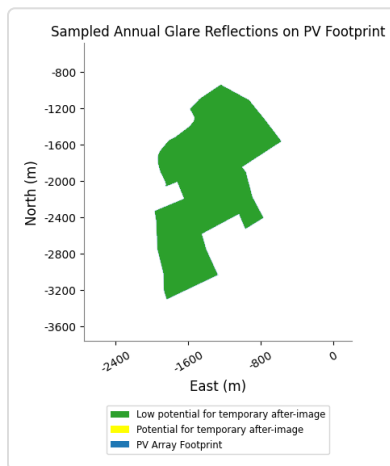
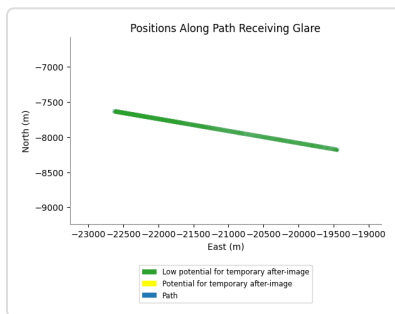
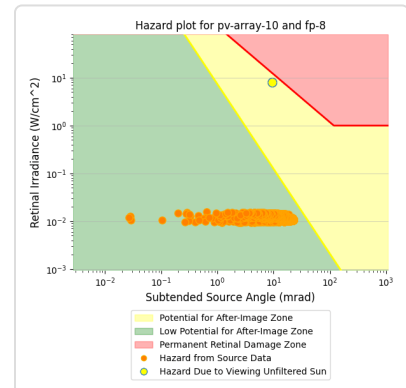
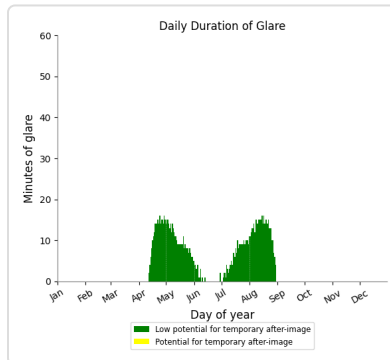
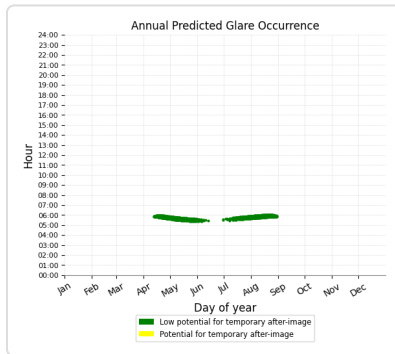
Green glare: 349 min.



PV array 10 and FP: FP 8 - RAF Barkston Heath NW

Yellow glare: none

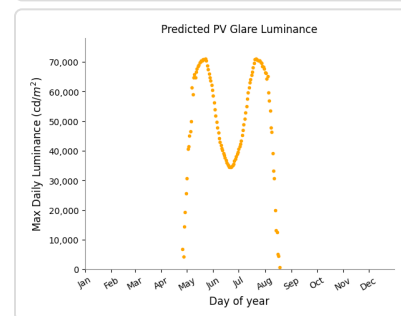
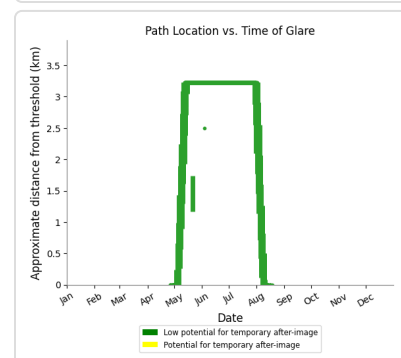
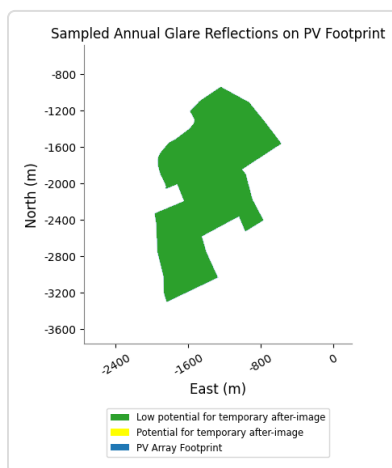
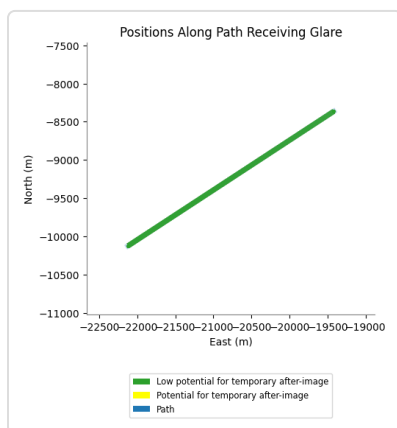
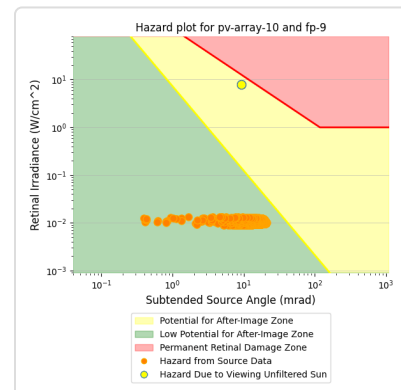
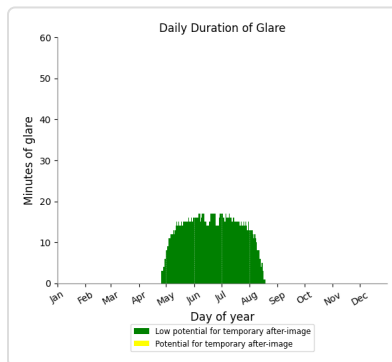
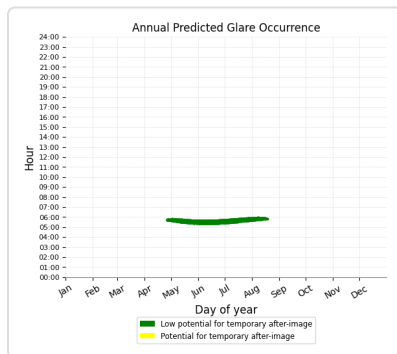
Green glare: 1,142 min.



PV array 10 and FP: FP 9 - RAF Barkston Heath SW

Yellow glare: none

Green glare: 1,540 min.



PV array 10 and FP: FP 10 - RAF Barkston Heath NE

No glare found

PV array 10 and FP: FP 11 - RAF Barkston Heath South

No glare found

PV array 10 and FP: FP 12 - RAF Barkston Heath North

No glare found

PV array 10 and FP: FP 13 - Anwick East

No glare found

PV array 10 and FP: FP 16 - Boston West

No glare found

PV array 10 and FP: FP 17 - Waddington South

No glare found

PV array 10 and FP: FP 18 - Waddington North

No glare found

PV array 10 and FP: FP 19 - Griffins Farm East

No glare found

PV array 10 and FP: FP 1 - RAF Coningsby East

No glare found

PV array 10 and FP: FP 20 - Griffins Farm West

No glare found

PV array 10 and FP: FP 2 - RAF Coningsby West

No glare found

PV array 10 and FP: FP 3 - RAF Cranwell East

No glare found

PV array 10 and FP: FP 5 - RAF Cranwell South

No glare found

PV array 10 and FP: FP 6 - RAF Cranwell North

No glare found

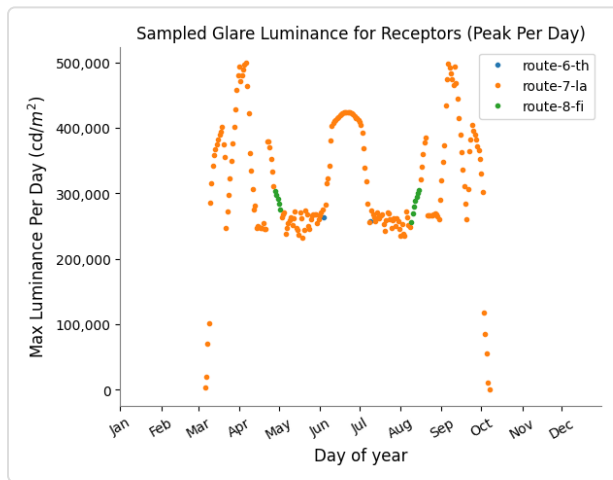
PV array 10 and FP: FP 7 - RAF Barkston Heath SE

No glare found

PV: PV array 2 potential temporary after-image

Receptor results ordered by category of glare

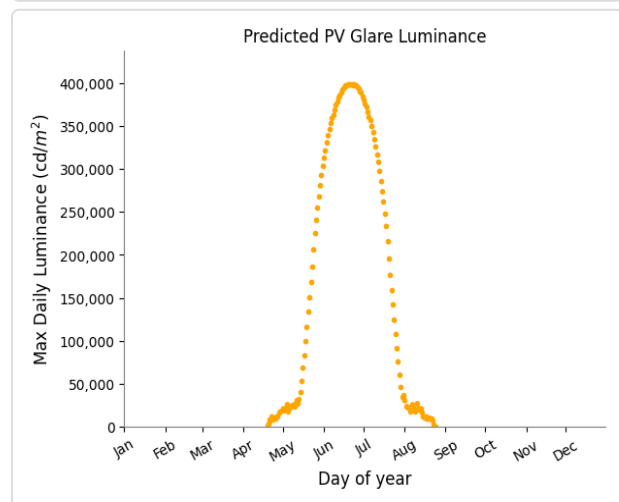
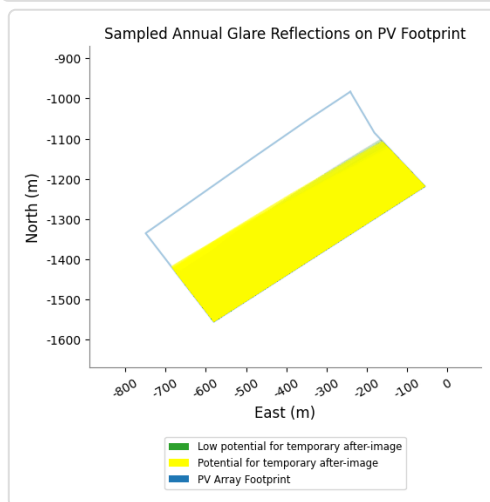
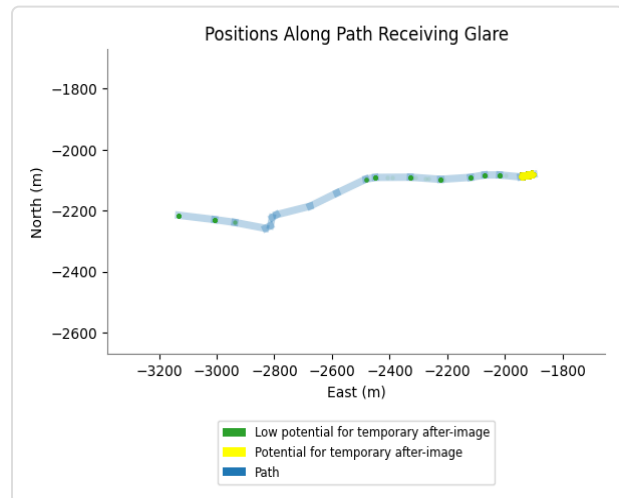
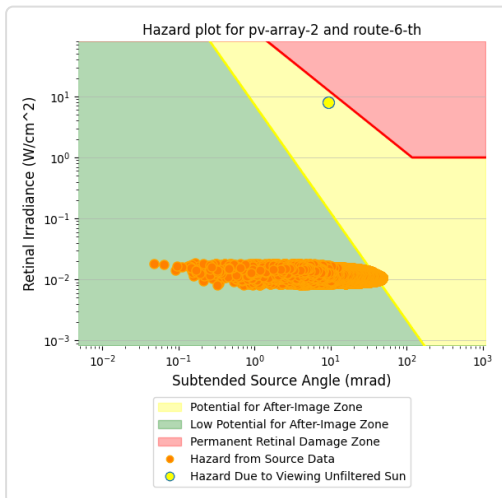
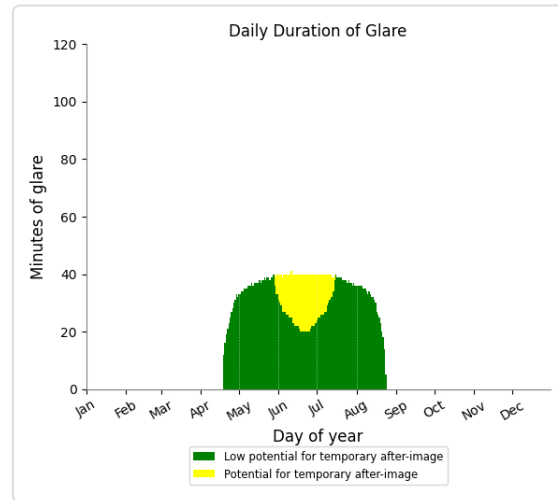
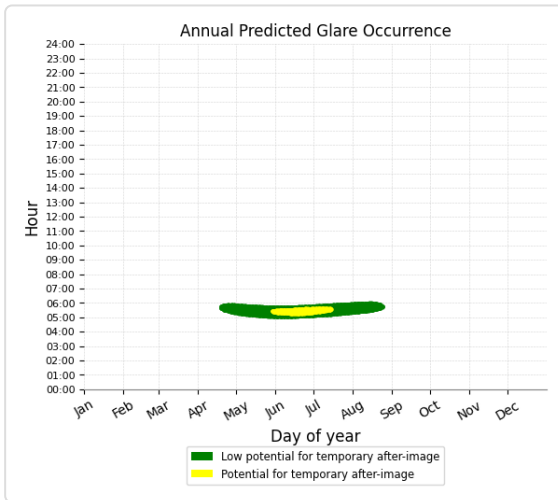
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
Route 6 - Thorpe Road	3,870	64.5	682	11.4	398,169
Route 7 - Lane connected to Thorpe Road	5,205	86.8	2,068	34.5	520,639
Route 8 - Field Lane	3,604	60.1	151	2.5	305,432
Route 12 - Cow Drove	944	15.7	0	0.0	159,131
Route 2 - B1395	3,086	51.4	0	0.0	158,447
Route 10 - Star Fen Road	0	0.0	0	0.0	0
Route 11 - Church Lane	0	0.0	0	0.0	0
Route 13 - Railway	0	0.0	0	0.0	0
Route 1 - A17	0	0.0	0	0.0	0
Route 3 - Howell Fen Drove	0	0.0	0	0.0	0
Route 4 - Heckington Road - south of Howell	0	0.0	0	0.0	0
Route 5 - Heckington Road - north of Howell	0	0.0	0	0.0	0
Route 9 - Littleworth Drove	0	0.0	0	0.0	0
FP 14 - Anwick West	266	4.4	0	0.0	46,702
FP 15 - Boston East	2,212	36.9	0	0.0	16,713
FP 4 - RAF Cranwell West	243	4.0	0	0.0	9,064
FP 8 - RAF Barkston Heath NW	2,068	34.5	0	0.0	11,303
FP 9 - RAF Barkston Heath SW	2,424	40.4	0	0.0	11,276
FP 10 - RAF Barkston Heath NE	0	0.0	0	0.0	0
FP 11 - RAF Barkston Heath South	0	0.0	0	0.0	0
FP 12 - RAF Barkston Heath North	0	0.0	0	0.0	0
FP 13 - Anwick East	0	0.0	0	0.0	0
FP 16 - Boston West	0	0.0	0	0.0	0
FP 17 - Waddington South	0	0.0	0	0.0	0
FP 18 - Waddington North	0	0.0	0	0.0	0
FP 19 - Griffins Farm East	0	0.0	0	0.0	0
FP 1 - RAF Coningsby East	0	0.0	0	0.0	0
FP 20 - Griffins Farm West	0	0.0	0	0.0	0
FP 2 - RAF Coningsby West	0	0.0	0	0.0	0
FP 3 - RAF Cranwell East	0	0.0	0	0.0	0
FP 5 - RAF Cranwell South	0	0.0	0	0.0	0
FP 6 - RAF Cranwell North	0	0.0	0	0.0	0
FP 7 - RAF Barkston Heath SE	0	0.0	0	0.0	0



PV array 2 and Route: Route 6 - Thorpe Road

Yellow glare: 682 min.

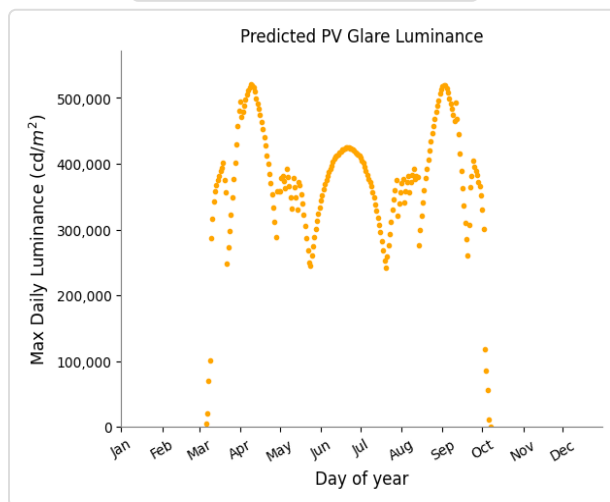
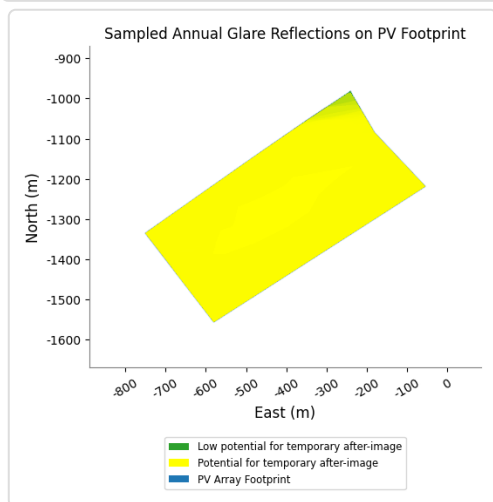
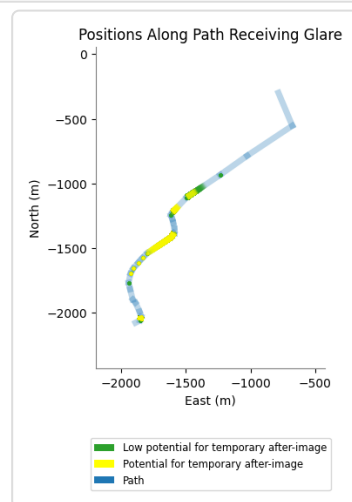
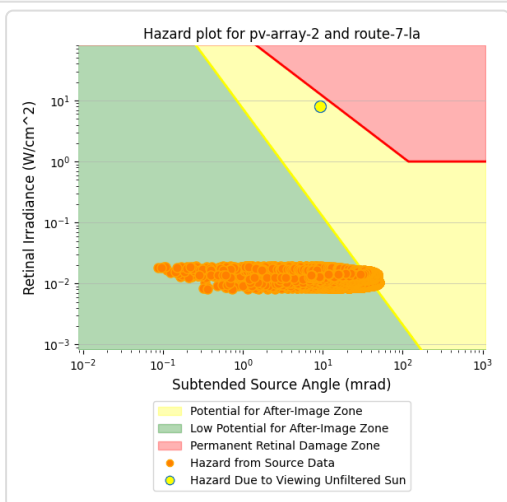
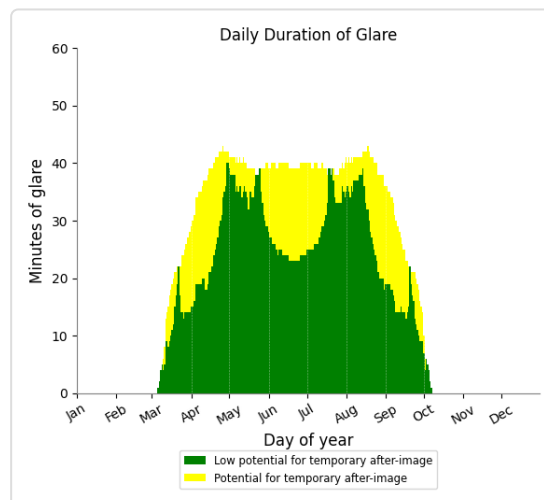
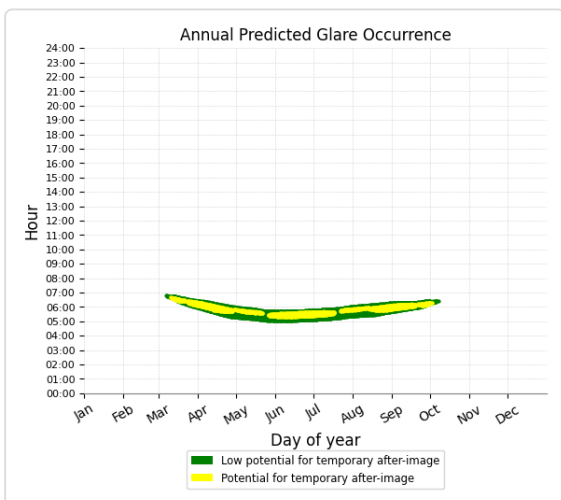
Green glare: 3,870 min.



PV array 2 and Route: Route 7 - Lane connected to Thorpe Road

Yellow glare: 2,068 min.

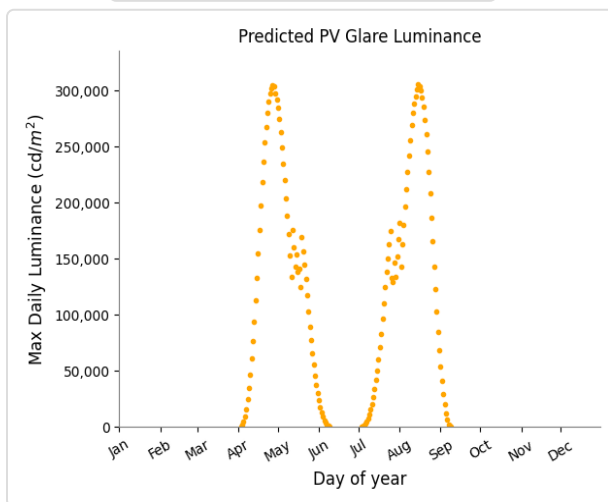
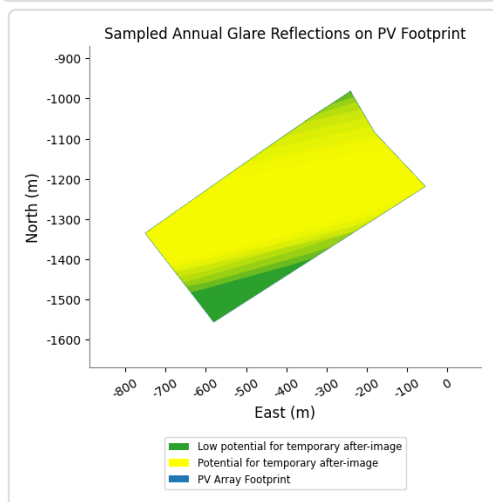
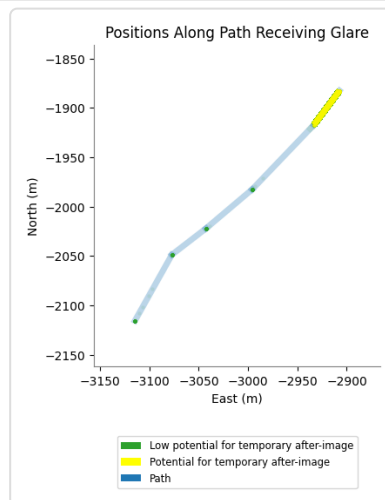
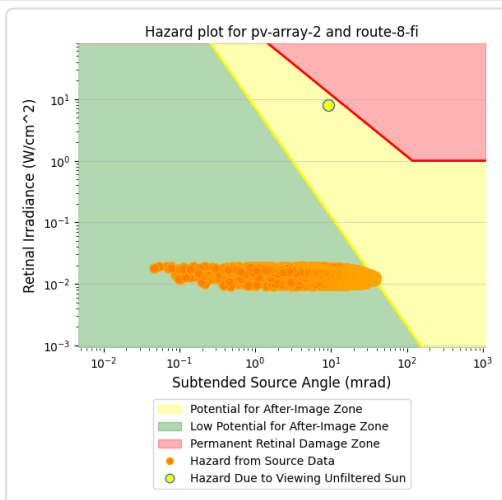
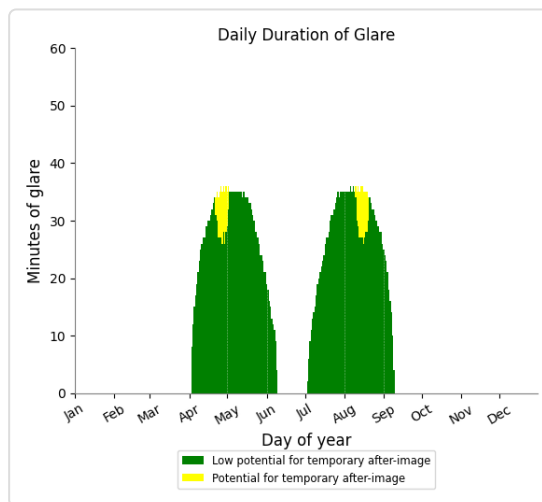
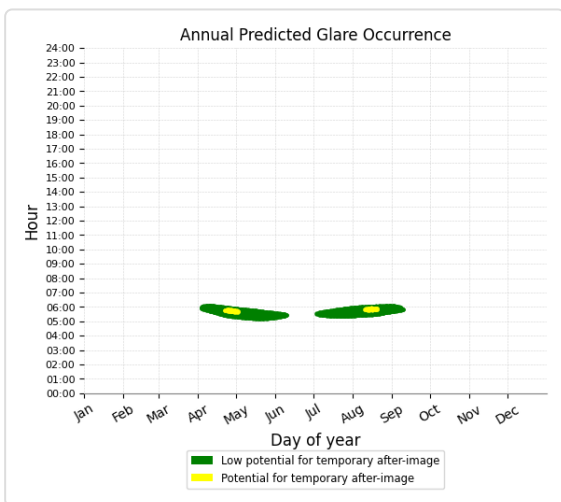
Green glare: 5,205 min.



PV array 2 and Route: Route 8 - Field Lane

Yellow glare: 151 min.

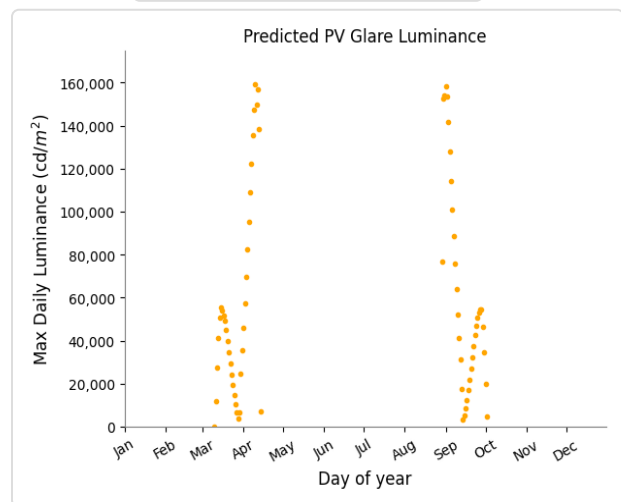
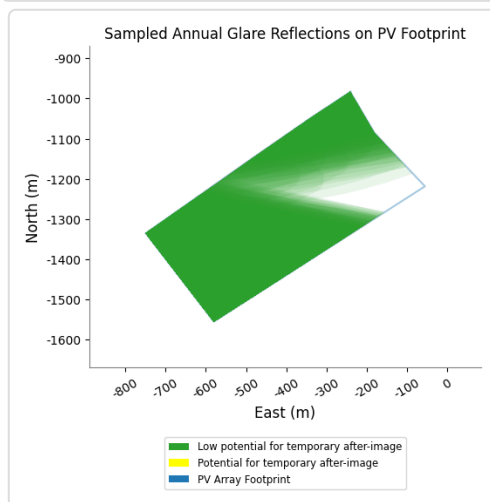
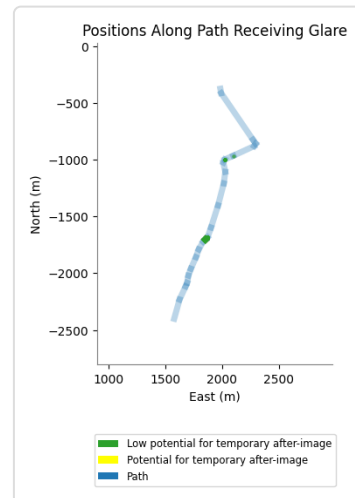
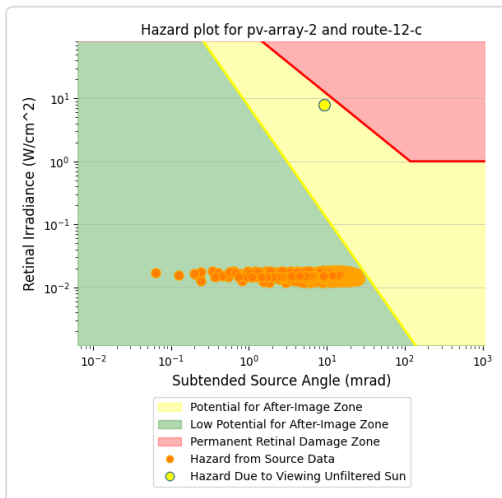
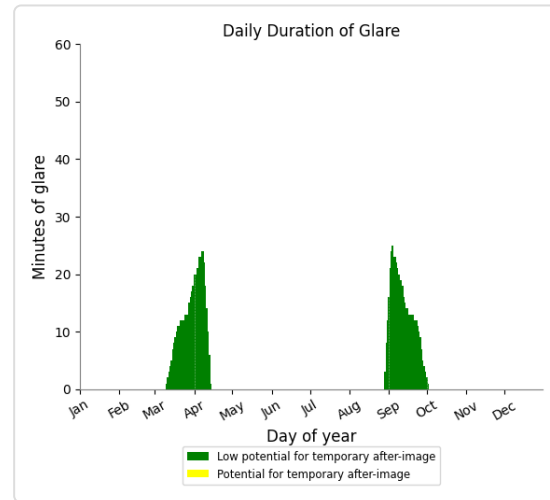
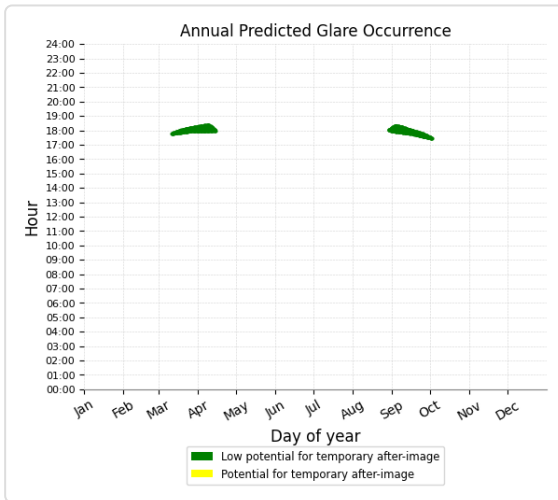
Green glare: 3,604 min.



PV array 2 and Route: Route 12 - Cow Drove

Yellow glare: none

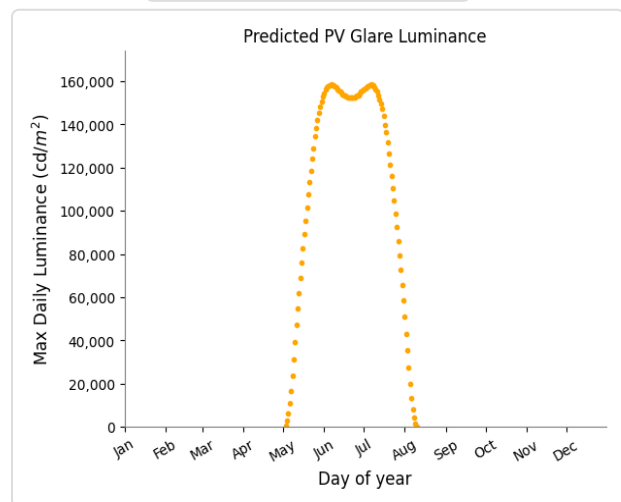
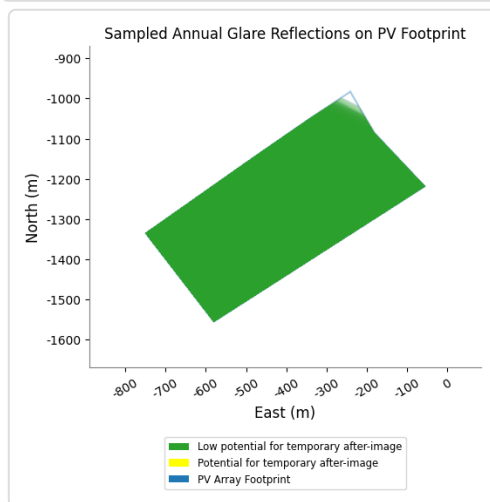
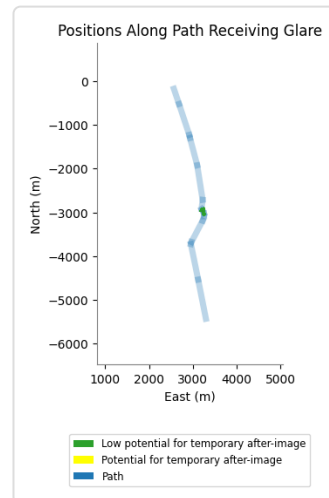
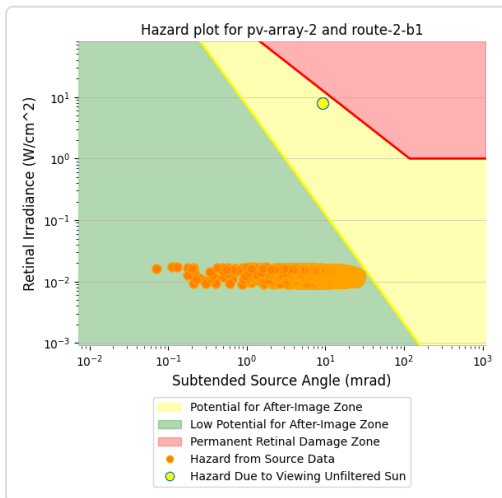
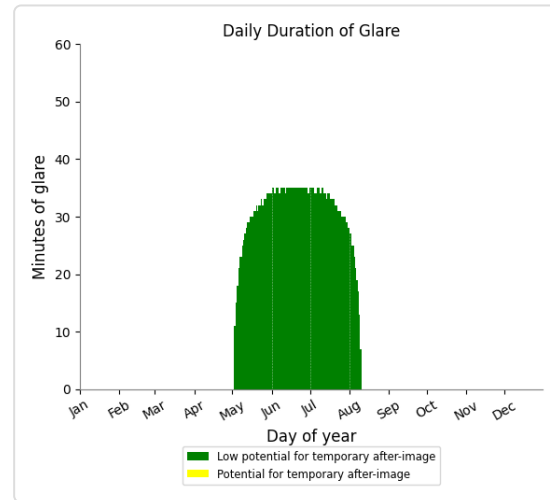
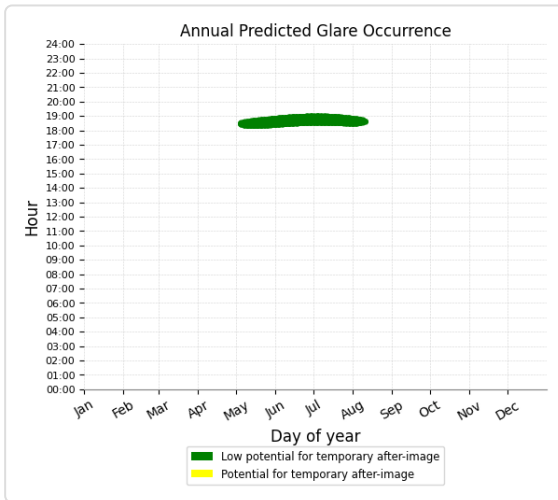
Green glare: 944 min.



PV array 2 and Route: Route 2 - B1395

Yellow glare: none

Green glare: 3,086 min.



PV array 2 and Route: Route 10 - Star Fen Road

No glare found

PV array 2 and Route: Route 11 - Church Lane

No glare found

PV array 2 and Route: Route 13 - Railway

No glare found

PV array 2 and Route: Route 1 - A17

No glare found

PV array 2 and Route: Route 3 - Howell Fen Drove

No glare found

PV array 2 and Route: Route 4 - Heckington Road - south of Howell

No glare found

PV array 2 and Route: Route 5 - Heckington Road - north of Howell

No glare found

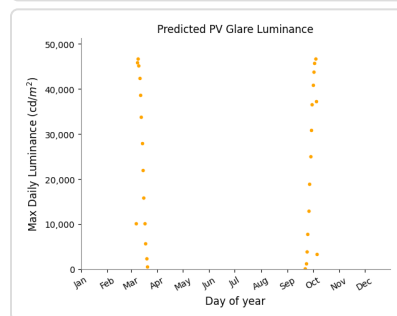
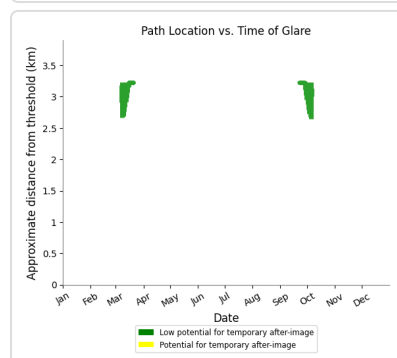
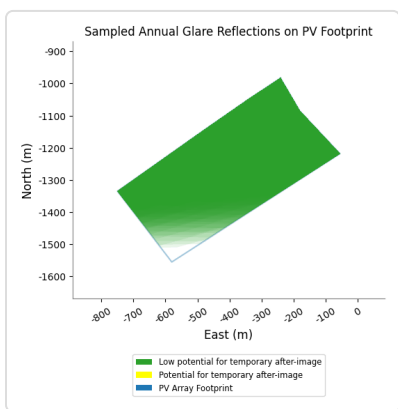
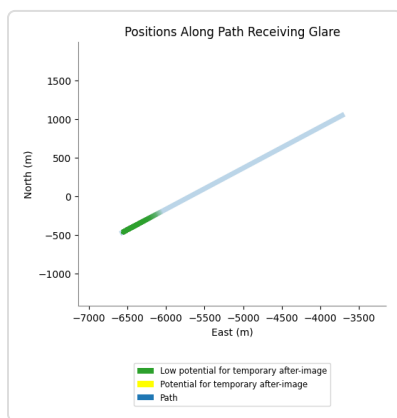
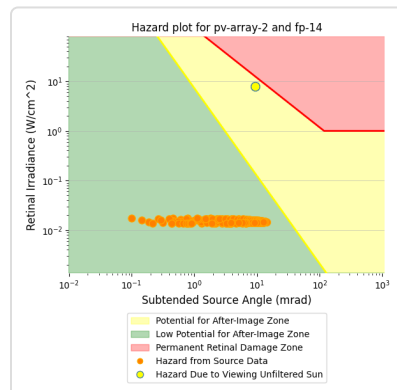
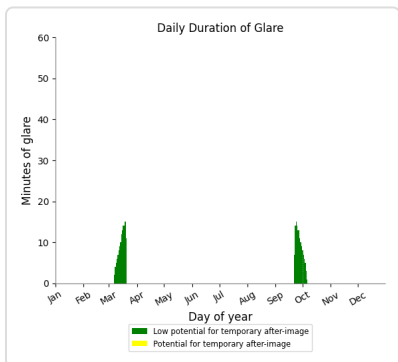
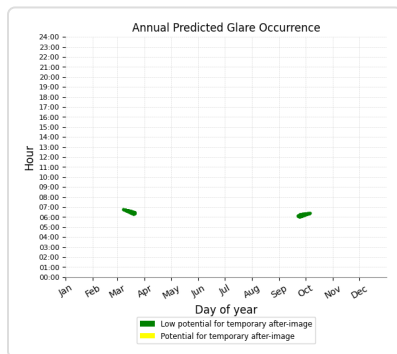
PV array 2 and Route: Route 9 - Littleworth Drove

No glare found

PV array 2 and FP: FP 14 - Anwick West

Yellow glare: none

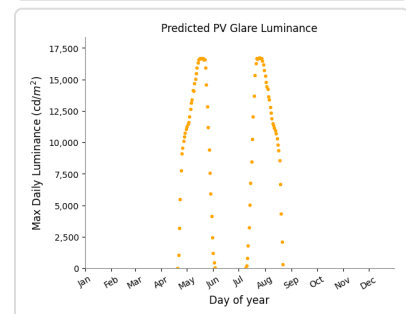
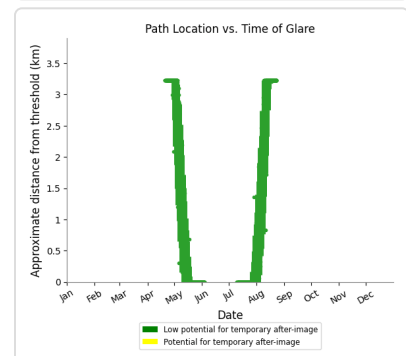
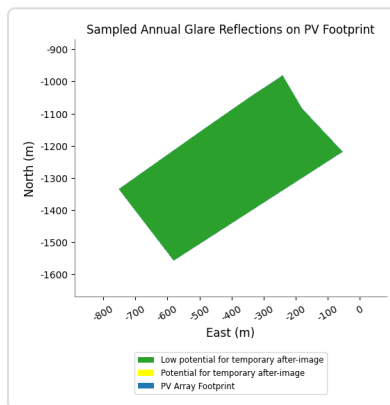
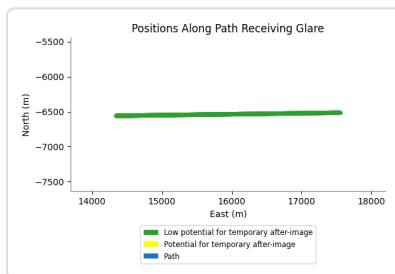
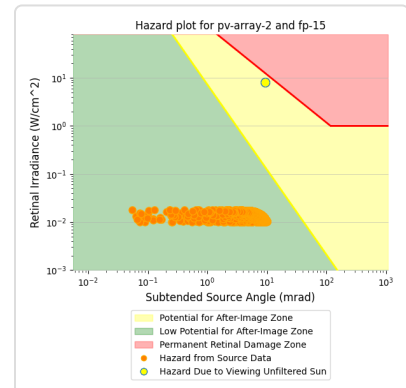
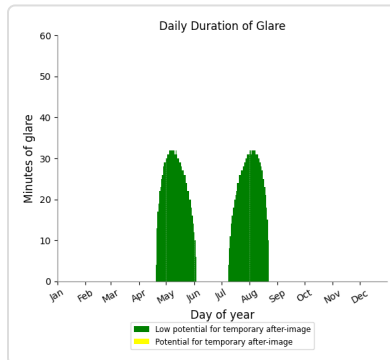
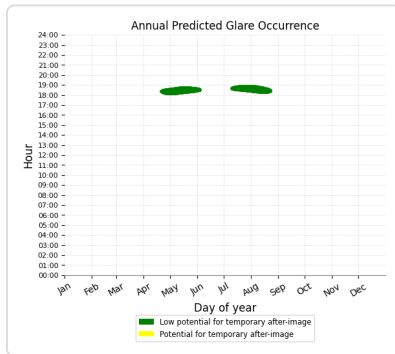
Green glare: 266 min.



PV array 2 and FP: FP 15 - Boston East

Yellow glare: none

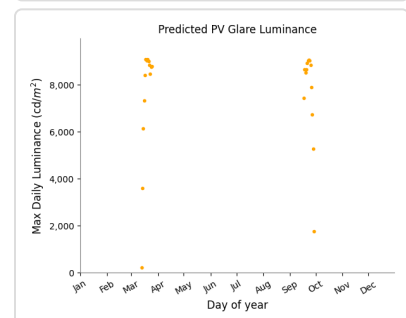
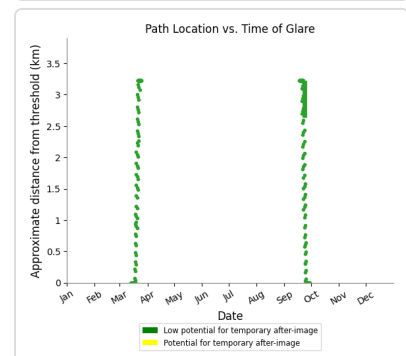
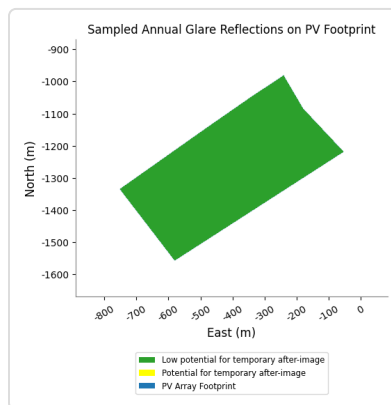
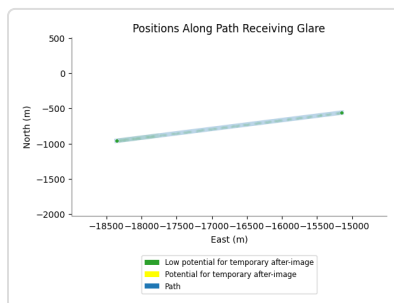
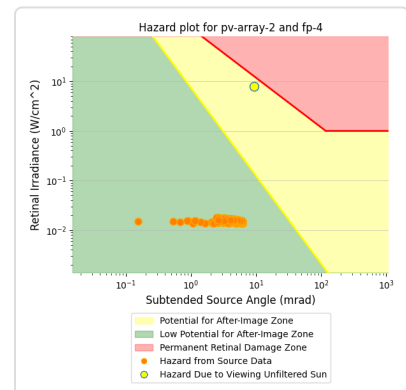
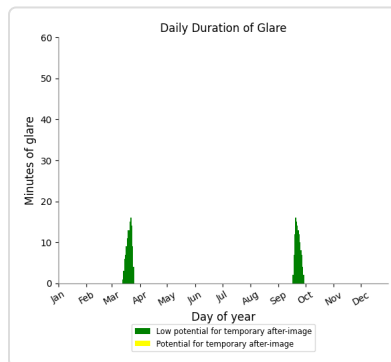
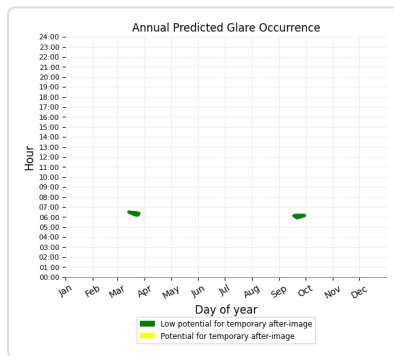
Green glare: 2,212 min.



PV array 2 and FP: FP 4 - RAF Cranwell West

Yellow glare: none

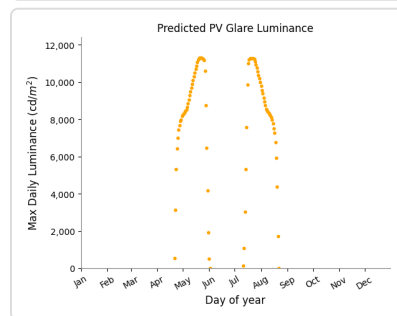
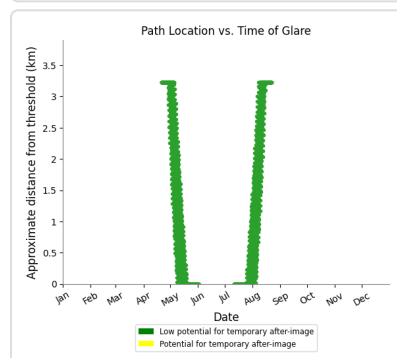
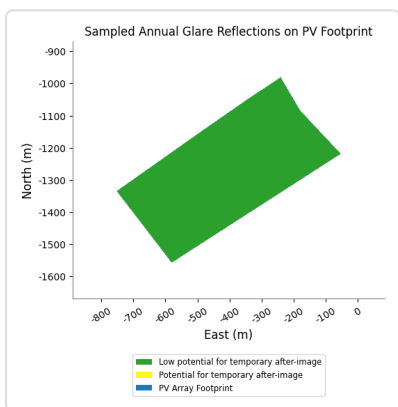
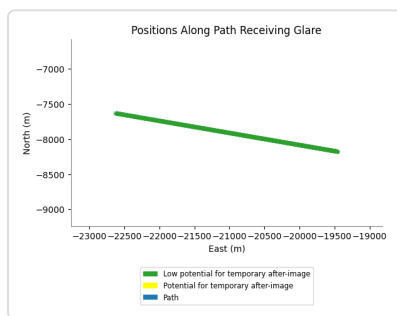
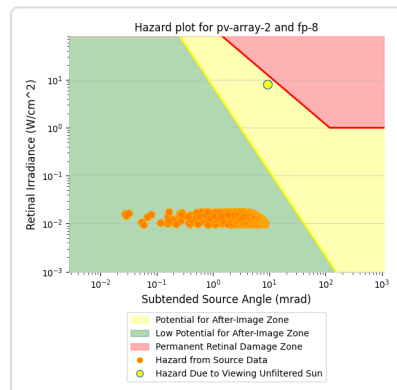
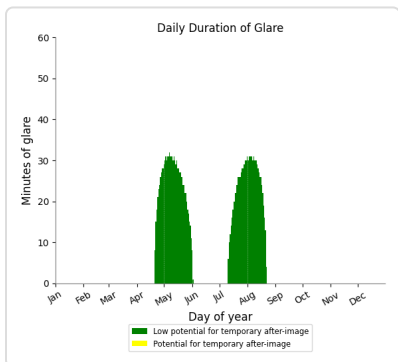
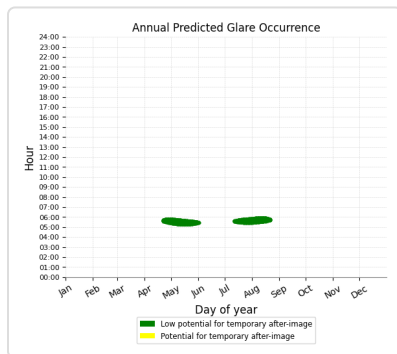
Green glare: 243 min.



PV array 2 and FP: FP 8 - RAF Barkston Heath NW

Yellow glare: none

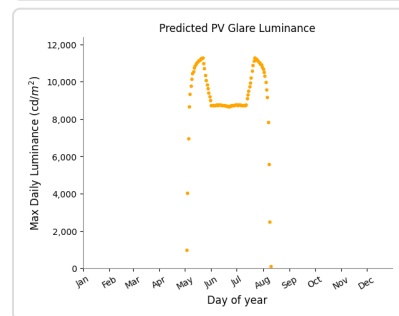
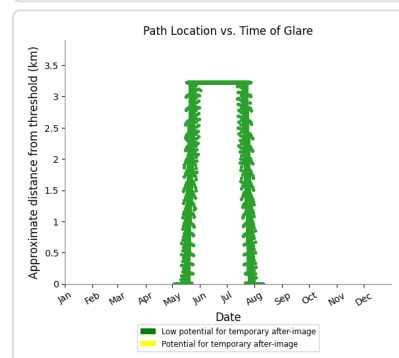
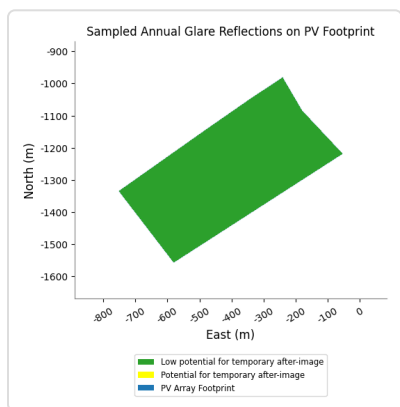
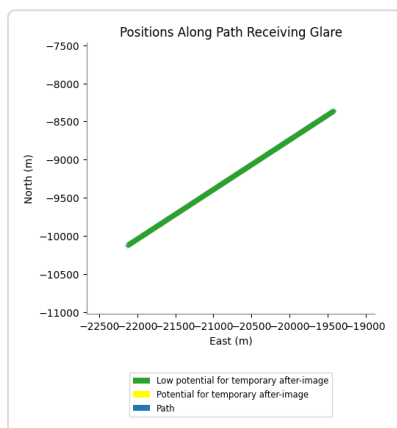
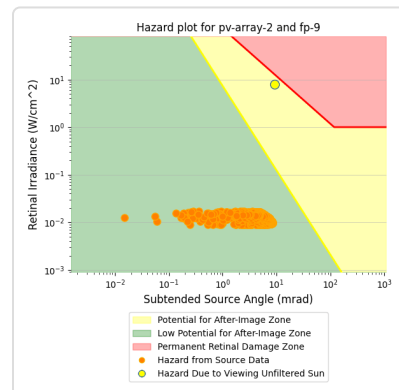
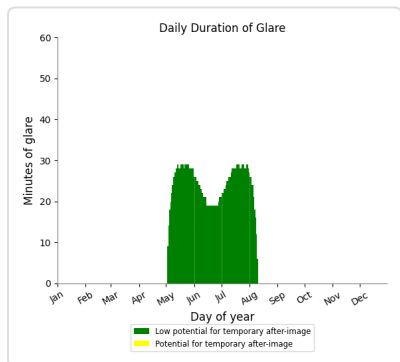
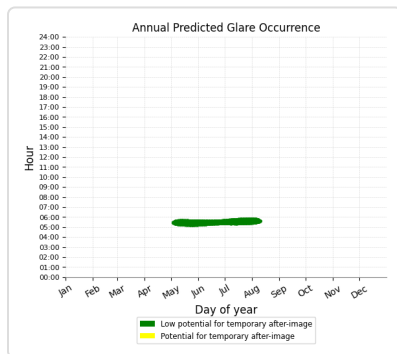
Green glare: 2,068 min.



PV array 2 and FP: FP 9 - RAF Barkston Heath SW

Yellow glare: none

Green glare: 2,424 min.



PV array 2 and FP: FP 10 - RAF Barkston Heath NE

No glare found

PV array 2 and FP: FP 11 - RAF Barkston Heath South

No glare found

PV array 2 and FP: FP 12 - RAF Barkston Heath North

No glare found

PV array 2 and FP: FP 13 - Anwick East

No glare found

PV array 2 and FP: FP 16 - Boston West

No glare found

PV array 2 and FP: FP 17 - Waddington South

No glare found

PV array 2 and FP: FP 18 - Waddington North

No glare found

PV array 2 and FP: FP 19 - Griffins Farm East

No glare found

PV array 2 and FP: FP 1 - RAF Coningsby East

No glare found

PV array 2 and FP: FP 20 - Griffins Farm West

No glare found

PV array 2 and FP: FP 2 - RAF Coningsby West

No glare found

PV array 2 and FP: FP 3 - RAF Cranwell East

No glare found

PV array 2 and FP: FP 5 - RAF Cranwell South

No glare found

PV array 2 and FP: FP 6 - RAF Cranwell North

No glare found

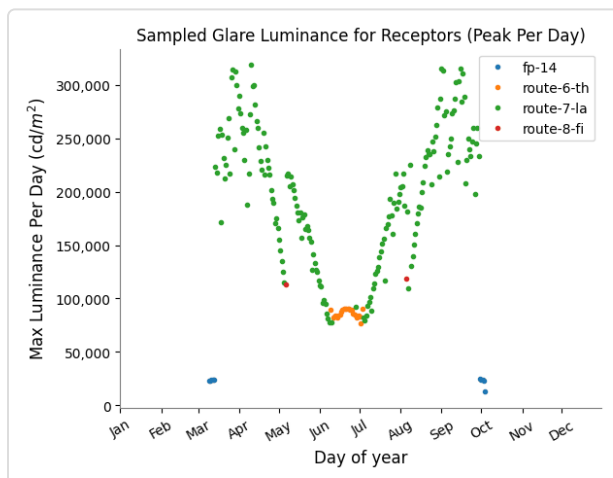
PV array 2 and FP: FP 7 - RAF Barkston Heath SE

No glare found

PV: PV array 3 potential temporary after-image

Receptor results ordered by category of glare

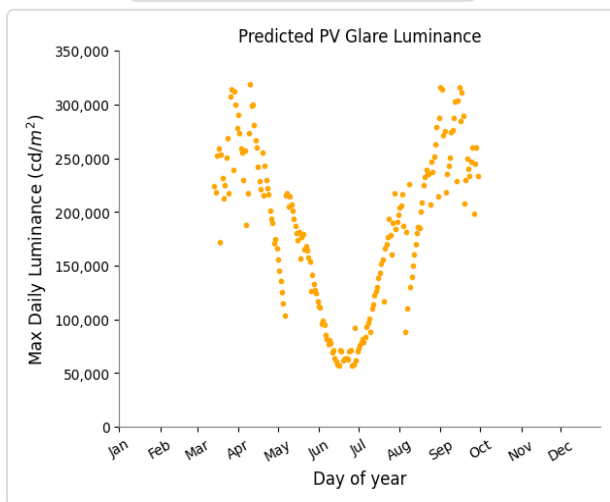
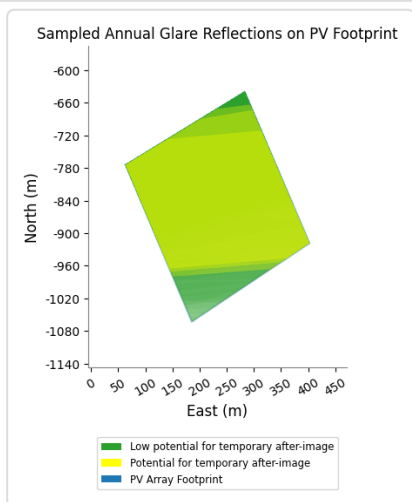
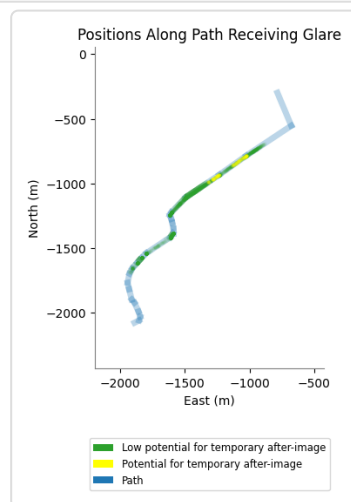
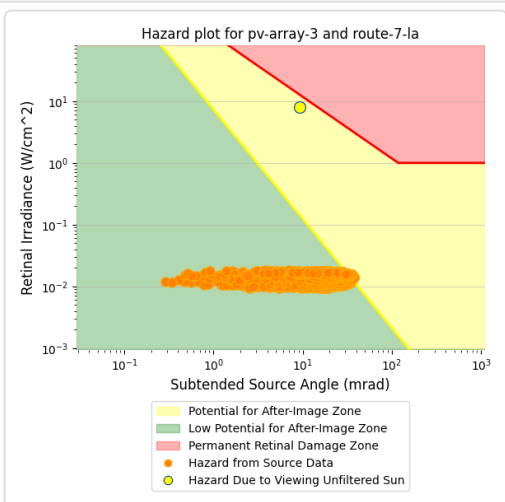
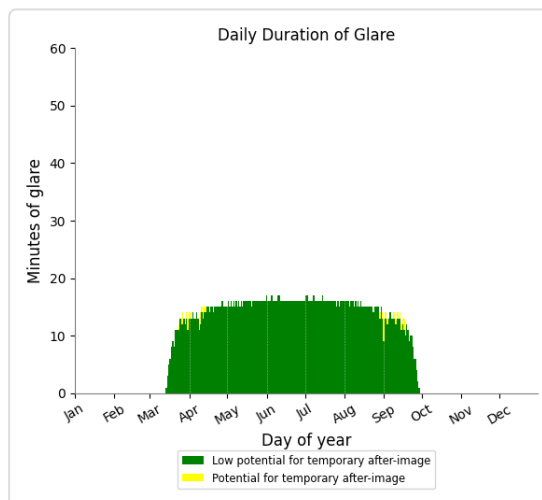
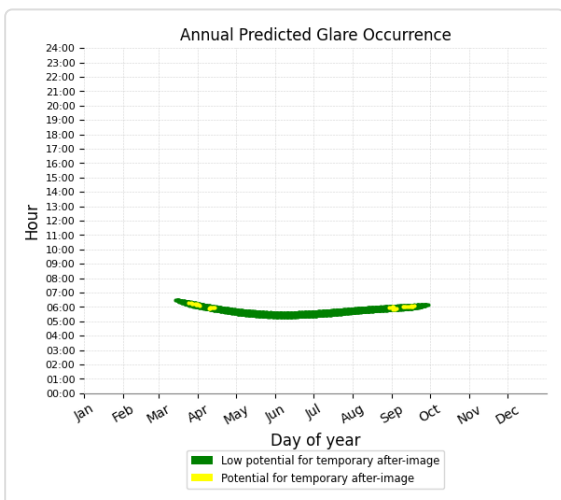
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
Route 7 - Lane connected to Thorpe Road	2,832	47.2	36	0.6	318,669
Route 12 - Cow Drove	360	6.0	0	0.0	82,547
Route 2 - B1395	383	6.4	0	0.0	118,792
Route 6 - Thorpe Road	1,544	25.7	0	0.0	90,632
Route 8 - Field Lane	1,914	31.9	0	0.0	123,452
Route 10 - Star Fen Road	0	0.0	0	0.0	0
Route 11 - Church Lane	0	0.0	0	0.0	0
Route 13 - Railway	0	0.0	0	0.0	0
Route 1 - A17	0	0.0	0	0.0	0
Route 3 - Howell Fen Drove	0	0.0	0	0.0	0
Route 4 - Heckington Road - south of Howell	0	0.0	0	0.0	0
Route 5 - Heckington Road - north of Howell	0	0.0	0	0.0	0
Route 9 - Littleworth Drove	0	0.0	0	0.0	0
FP 14 - Anwick West	378	6.3	0	0.0	26,011
FP 15 - Boston East	1,040	17.3	0	0.0	9,000
FP 4 - RAF Cranwell West	378	6.3	0	0.0	4,993
FP 8 - RAF Barkston Heath NW	1,297	21.6	0	0.0	4,871
FP 9 - RAF Barkston Heath SW	1,567	26.1	0	0.0	4,871
FP 10 - RAF Barkston Heath NE	0	0.0	0	0.0	0
FP 11 - RAF Barkston Heath South	0	0.0	0	0.0	0
FP 12 - RAF Barkston Heath North	0	0.0	0	0.0	0
FP 13 - Anwick East	0	0.0	0	0.0	0
FP 16 - Boston West	0	0.0	0	0.0	0
FP 17 - Waddington South	0	0.0	0	0.0	0
FP 18 - Waddington North	0	0.0	0	0.0	0
FP 19 - Griffins Farm East	0	0.0	0	0.0	0
FP 1 - RAF Coningsby East	0	0.0	0	0.0	0
FP 20 - Griffins Farm West	0	0.0	0	0.0	0
FP 2 - RAF Coningsby West	0	0.0	0	0.0	0
FP 3 - RAF Cranwell East	0	0.0	0	0.0	0
FP 5 - RAF Cranwell South	0	0.0	0	0.0	0
FP 6 - RAF Cranwell North	0	0.0	0	0.0	0
FP 7 - RAF Barkston Heath SE	0	0.0	0	0.0	0



PV array 3 and Route: Route 7 - Lane connected to Thorpe Road

Yellow glare: 36 min.

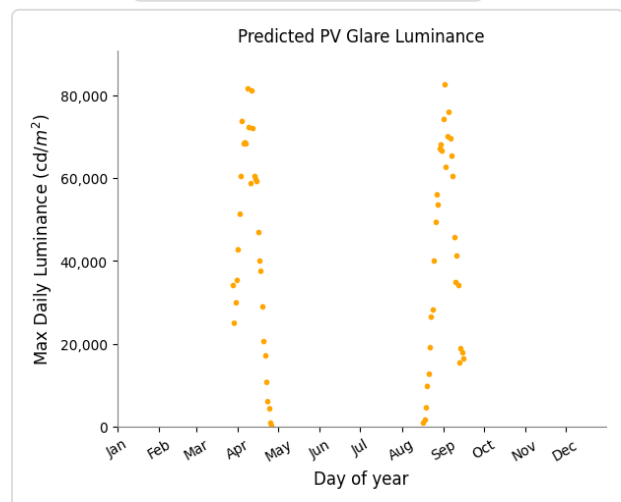
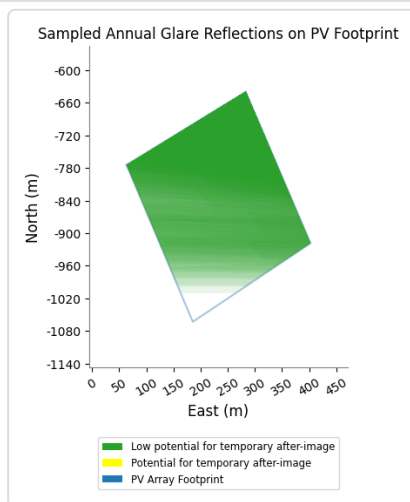
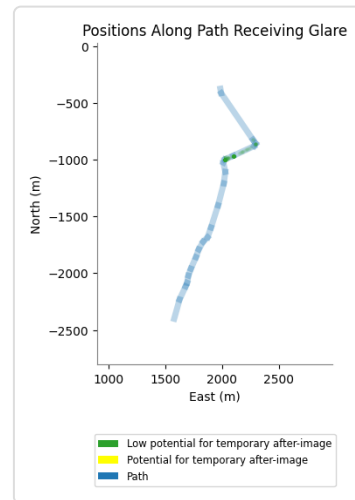
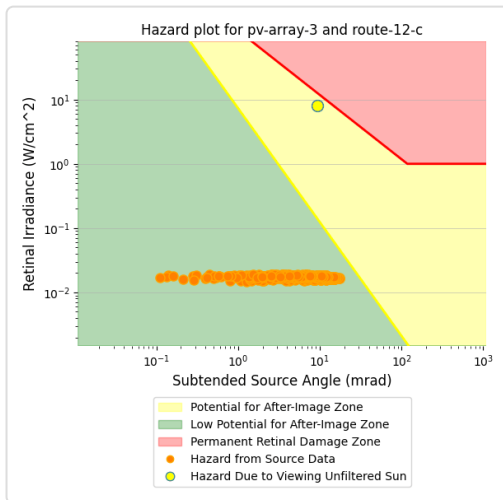
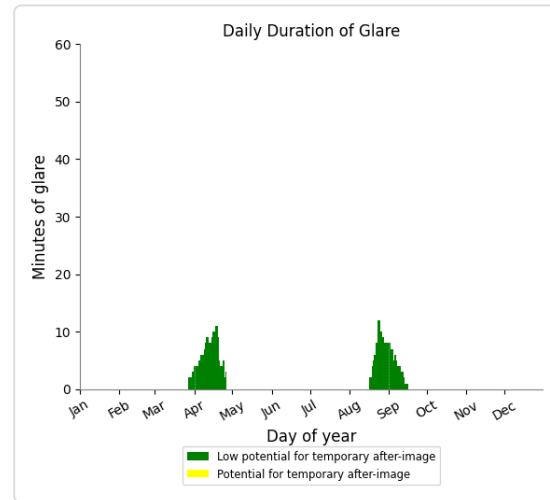
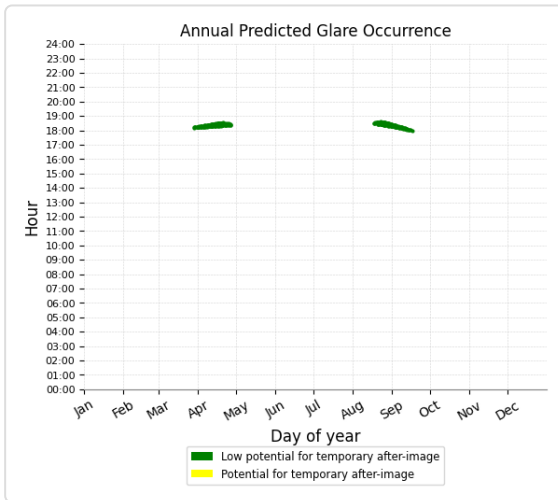
Green glare: 2,832 min.



PV array 3 and Route: Route 12 - Cow Drove

Yellow glare: none

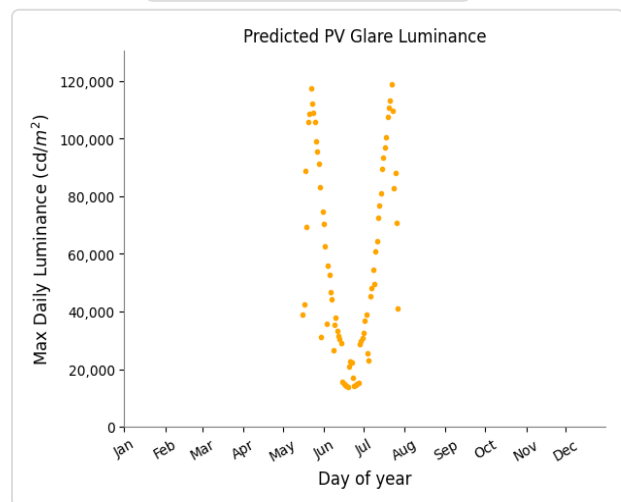
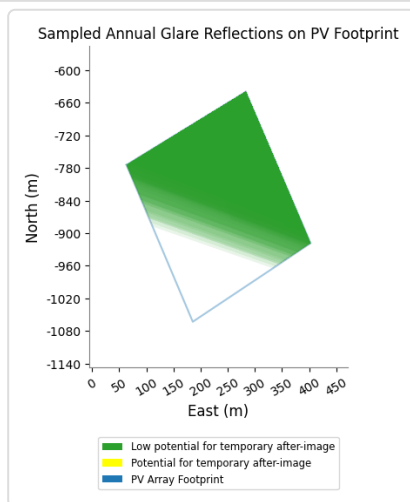
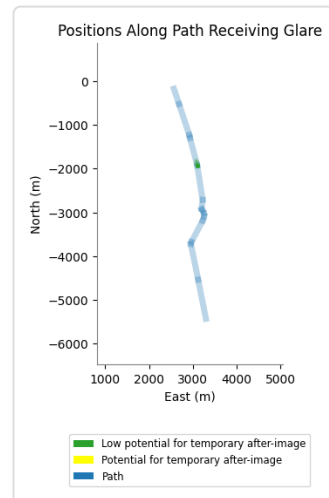
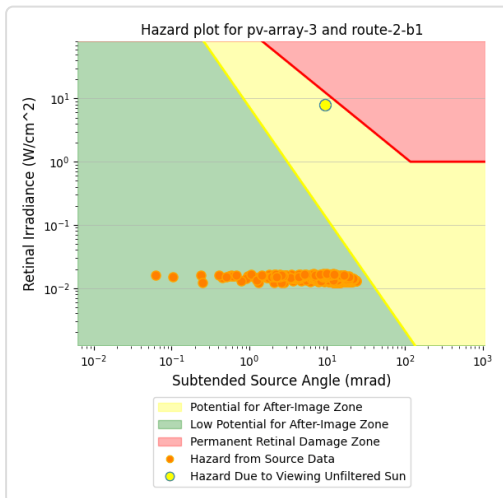
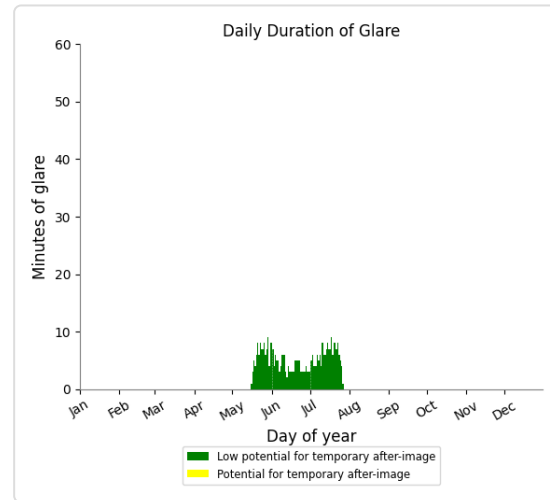
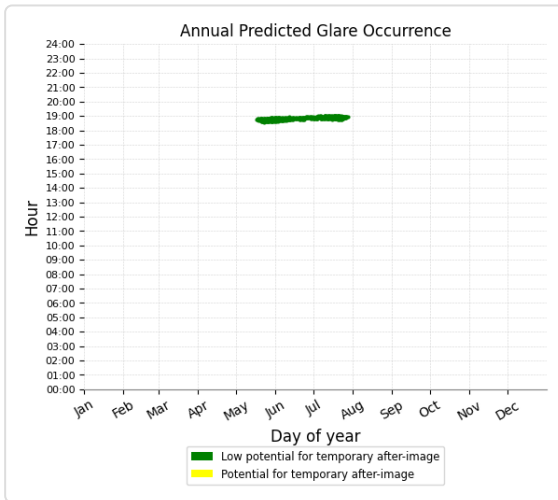
Green glare: 360 min.



PV array 3 and Route: Route 2 - B1395

Yellow glare: none

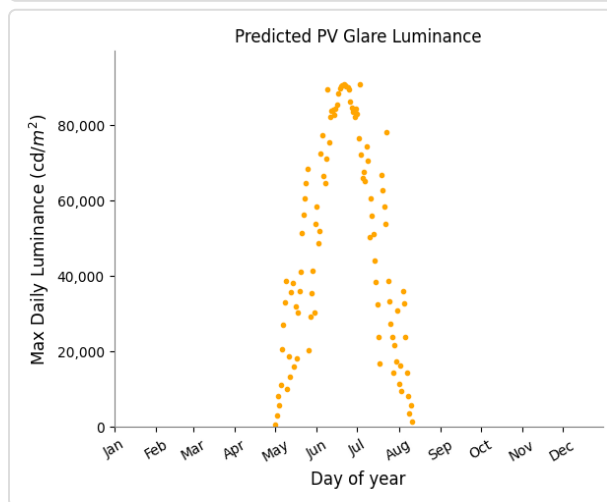
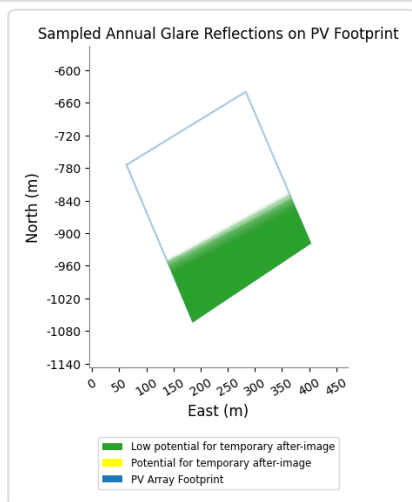
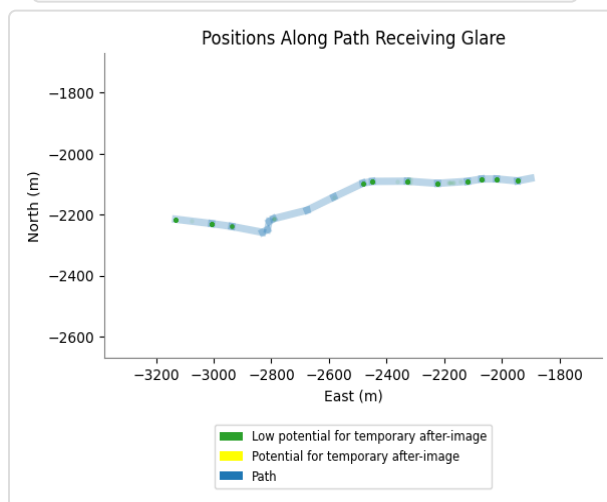
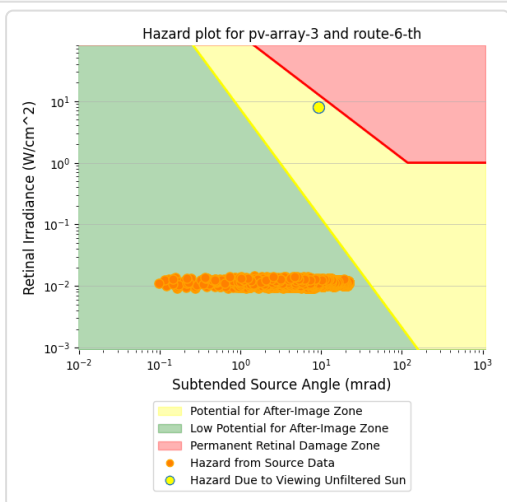
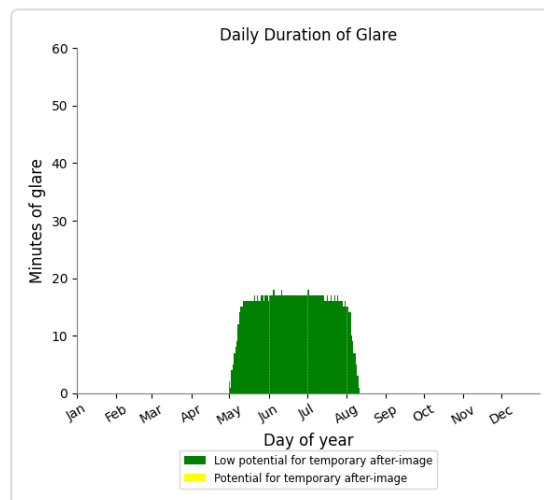
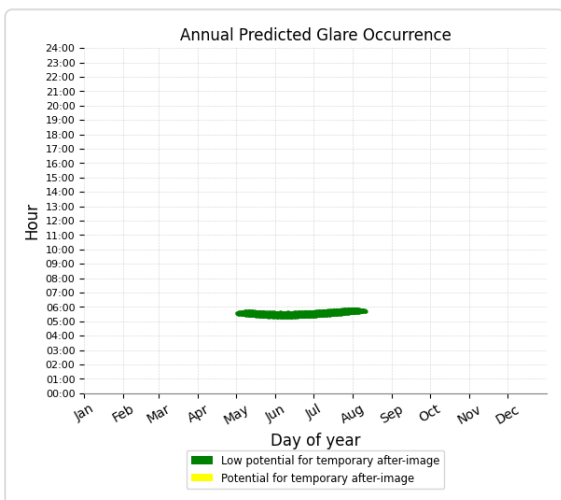
Green glare: 383 min.



PV array 3 and Route: Route 6 - Thorpe Road

Yellow glare: none

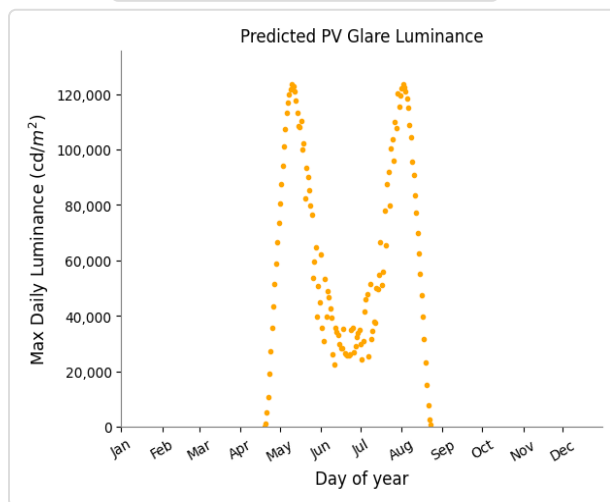
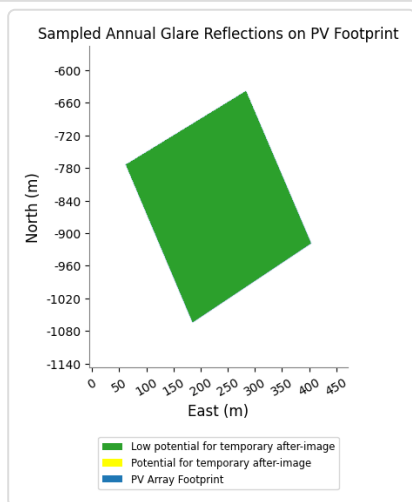
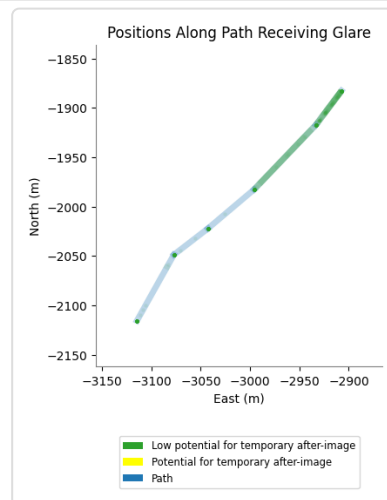
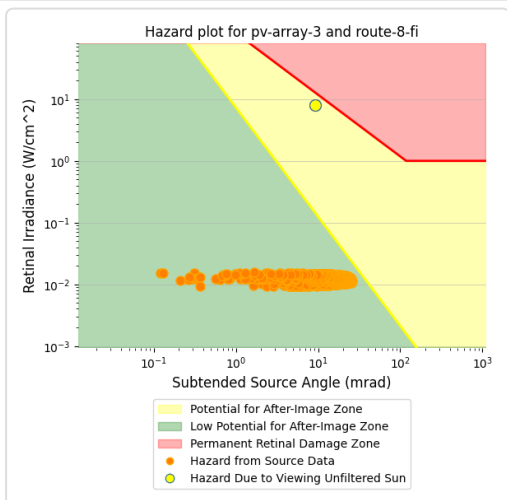
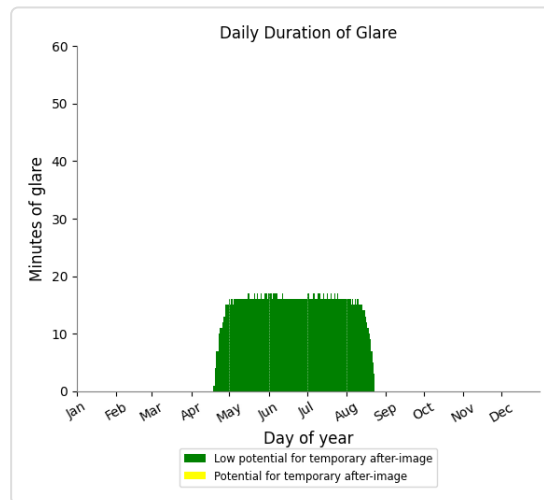
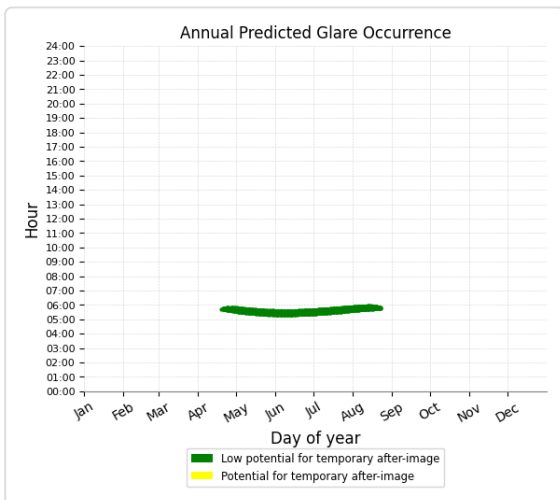
Green glare: 1,544 min.



PV array 3 and Route: Route 8 - Field Lane

Yellow glare: none

Green glare: 1,914 min.



PV array 3 and Route: Route 10 - Star Fen Road

No glare found

PV array 3 and Route: Route 11 - Church Lane

No glare found

PV array 3 and Route: Route 13 - Railway

No glare found

PV array 3 and Route: Route 1 - A17

No glare found

PV array 3 and Route: Route 3 - Howell Fen Drove

No glare found

PV array 3 and Route: Route 4 - Heckington Road - south of Howell

No glare found

PV array 3 and Route: Route 5 - Heckington Road - north of Howell

No glare found

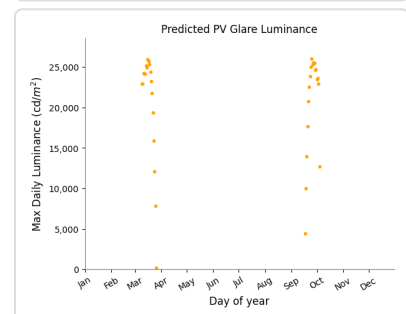
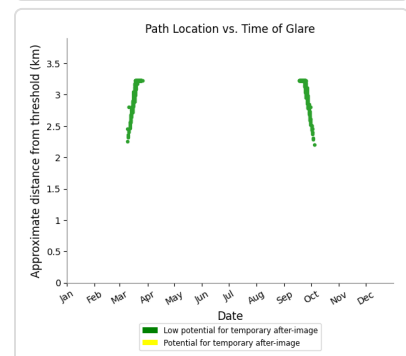
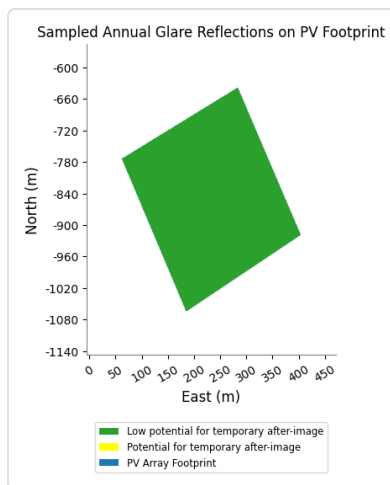
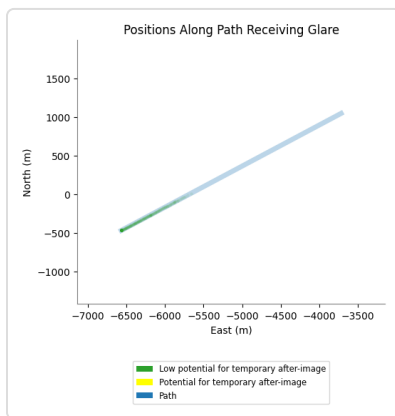
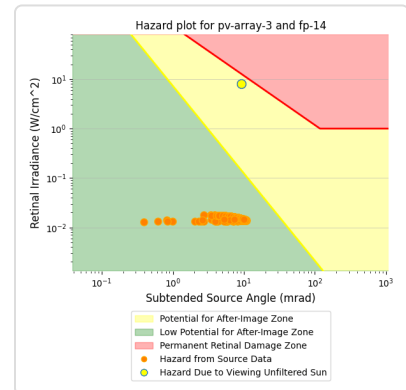
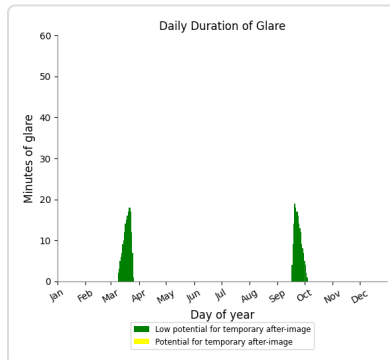
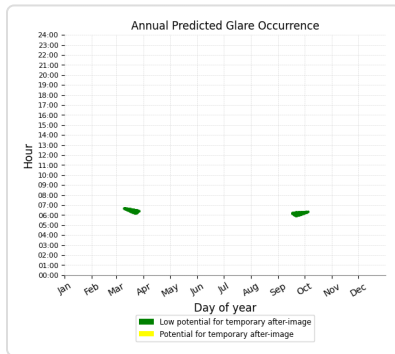
PV array 3 and Route: Route 9 - Littleworth Drove

No glare found

PV array 3 and FP: FP 14 - Anwick West

Yellow glare: none

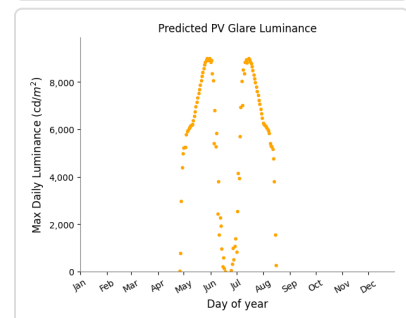
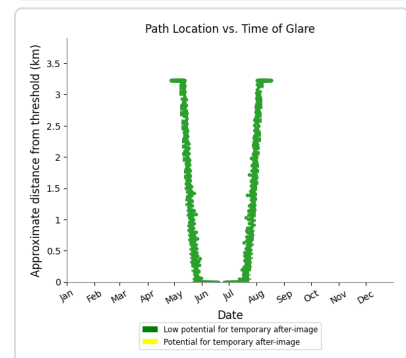
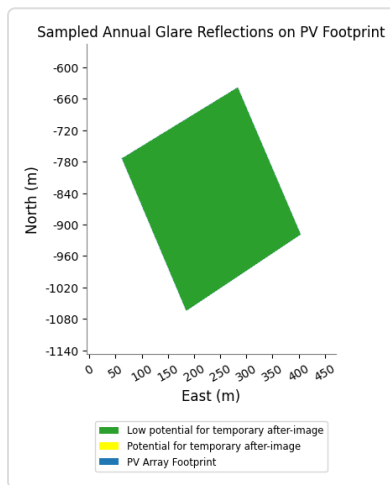
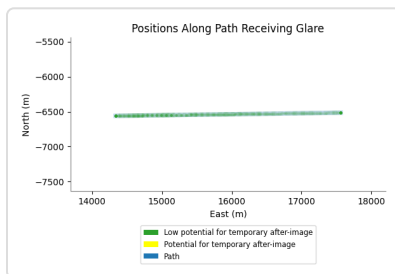
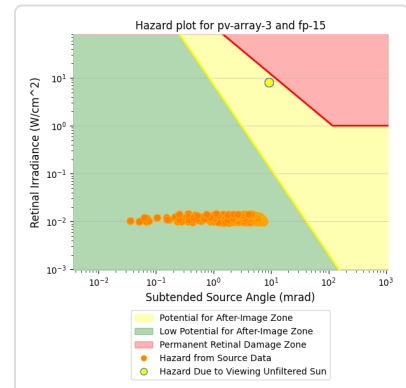
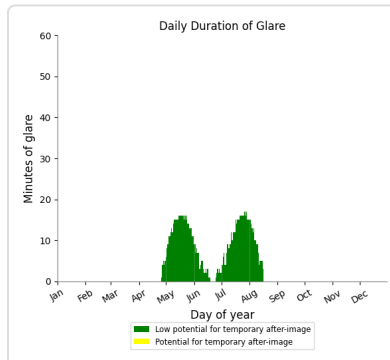
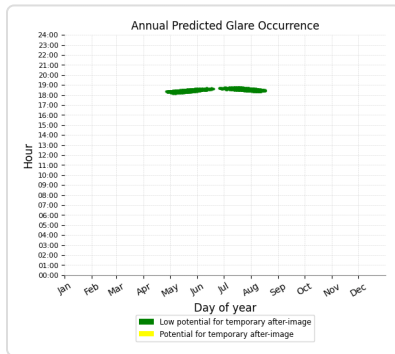
Green glare: 378 min.



PV array 3 and FP: FP 15 - Boston East

Yellow glare: none

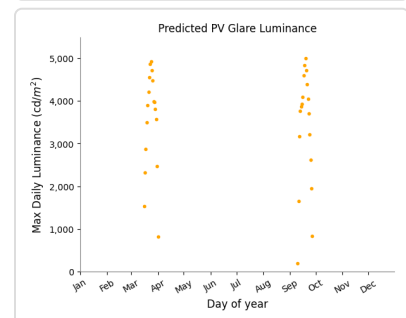
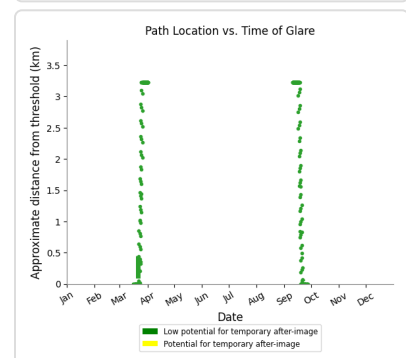
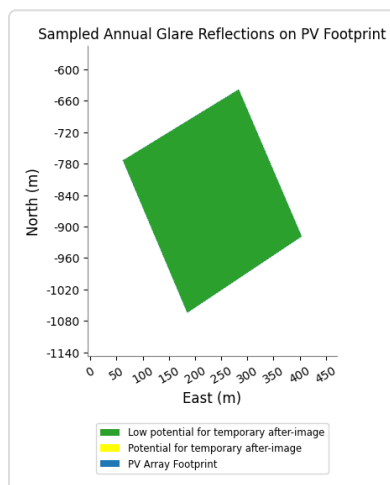
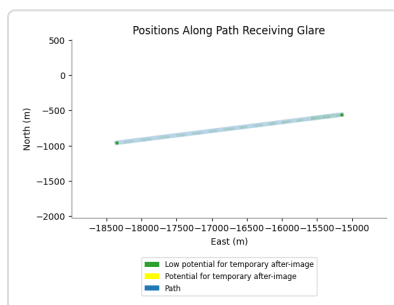
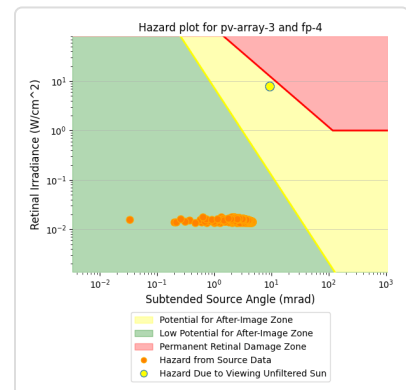
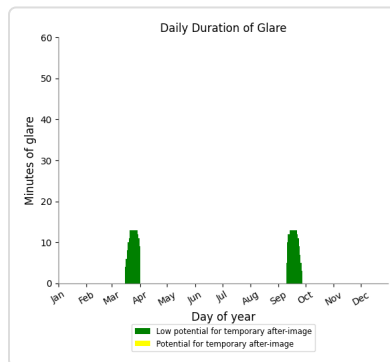
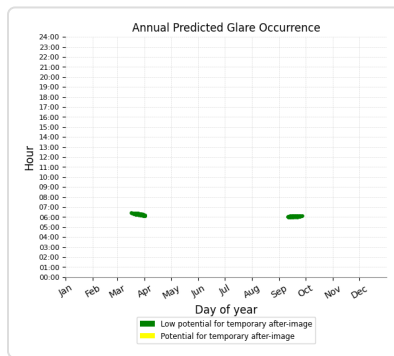
Green glare: 1,040 min.



PV array 3 and FP: FP 4 - RAF Cranwell West

Yellow glare: none

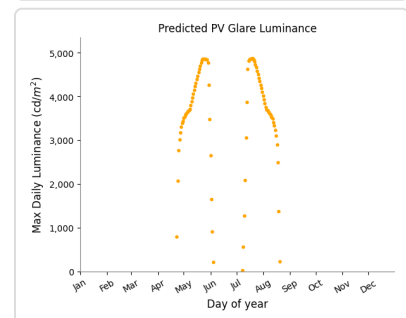
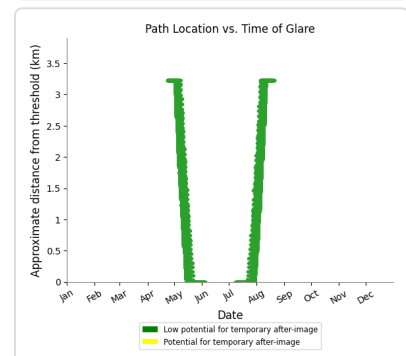
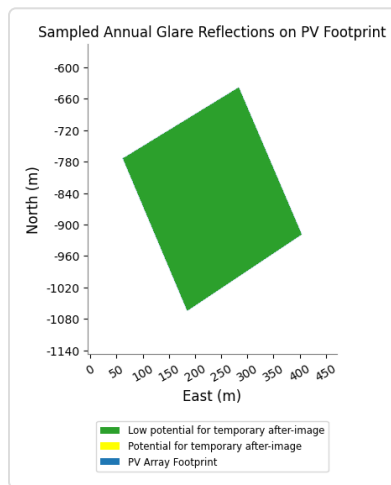
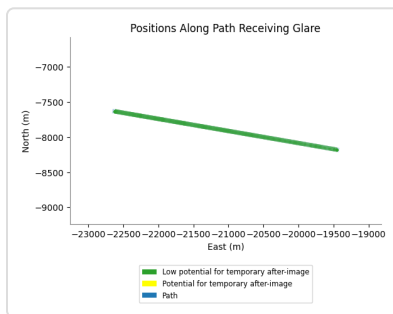
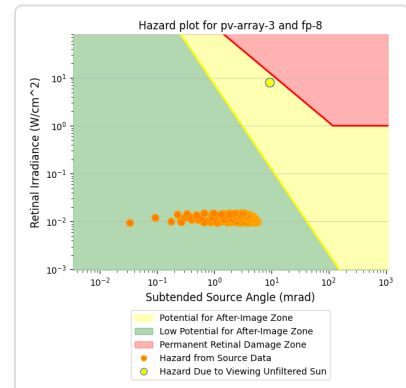
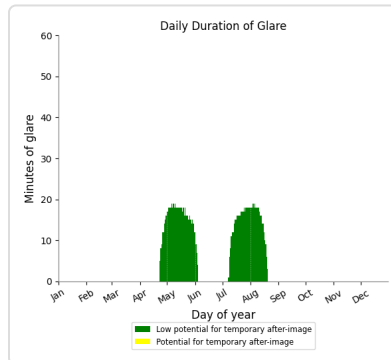
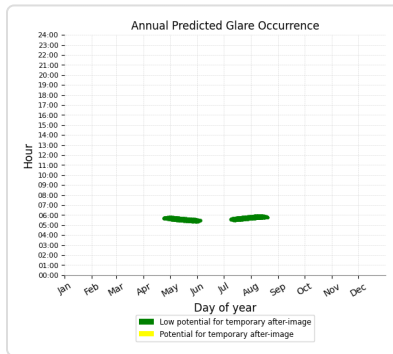
Green glare: 378 min.



PV array 3 and FP: FP 8 - RAF Barkston Heath NW

Yellow glare: none

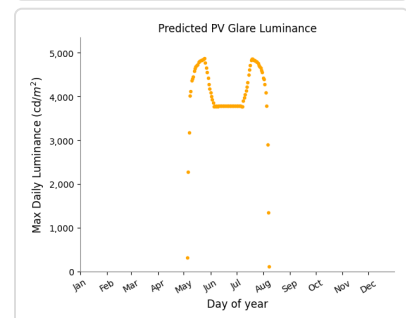
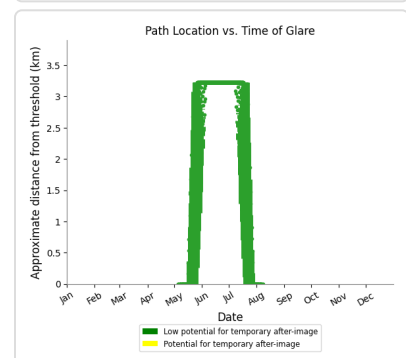
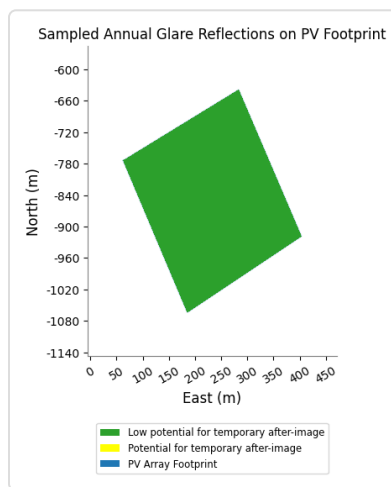
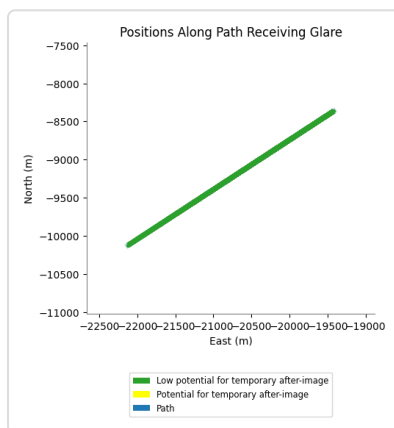
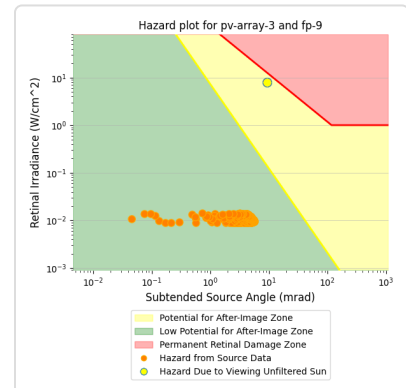
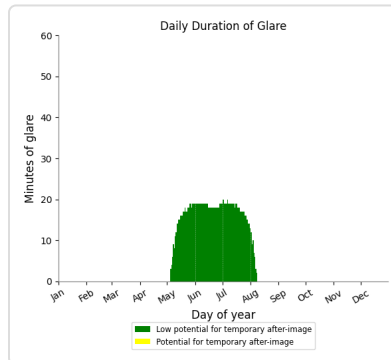
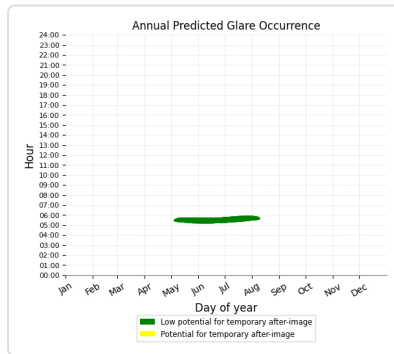
Green glare: 1,297 min.



PV array 3 and FP: FP 9 - RAF Barkston Heath SW

Yellow glare: none

Green glare: 1,567 min.



PV array 3 and FP: FP 10 - RAF Barkston Heath NE

No glare found

PV array 3 and FP: FP 11 - RAF Barkston Heath South

No glare found

PV array 3 and FP: FP 12 - RAF Barkston Heath North

No glare found

PV array 3 and FP: FP 13 - Anwick East

No glare found

PV array 3 and FP: FP 16 - Boston West

No glare found

PV array 3 and FP: FP 17 - Waddington South

No glare found

PV array 3 and FP: FP 18 - Waddington North

No glare found

PV array 3 and FP: FP 19 - Griffins Farm East

No glare found

PV array 3 and FP: FP 1 - RAF Coningsby East

No glare found

PV array 3 and FP: FP 20 - Griffins Farm West

No glare found

PV array 3 and FP: FP 2 - RAF Coningsby West

No glare found

PV array 3 and FP: FP 3 - RAF Cranwell East

No glare found

PV array 3 and FP: FP 5 - RAF Cranwell South

No glare found

PV array 3 and FP: FP 6 - RAF Cranwell North

No glare found

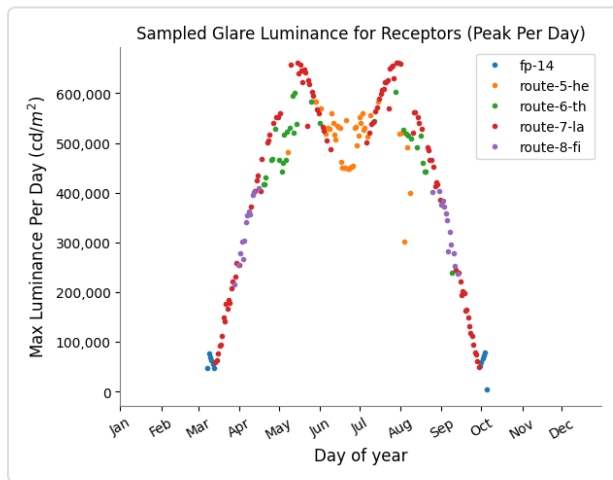
PV array 3 and FP: FP 7 - RAF Barkston Heath SE

No glare found

PV: PV array 4 potential temporary after-image

Receptor results ordered by category of glare

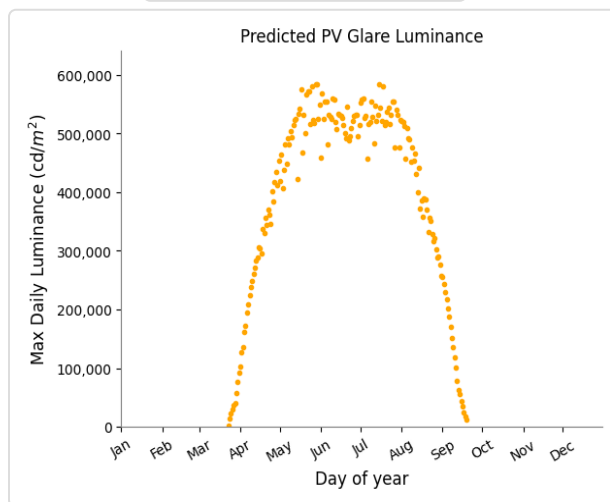
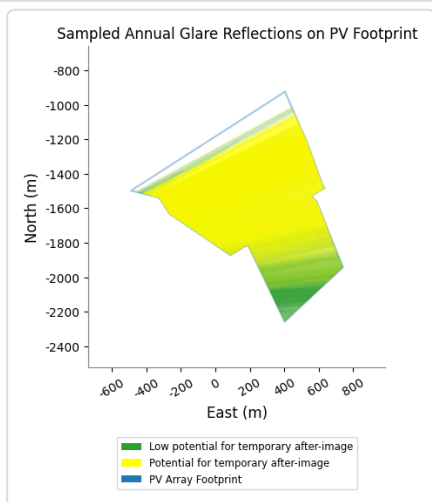
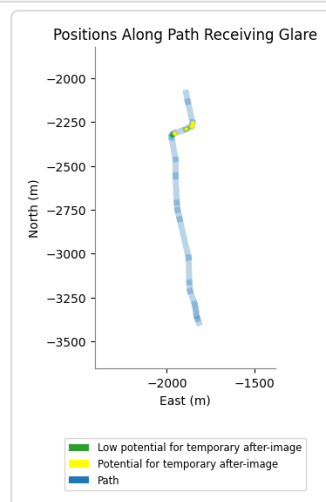
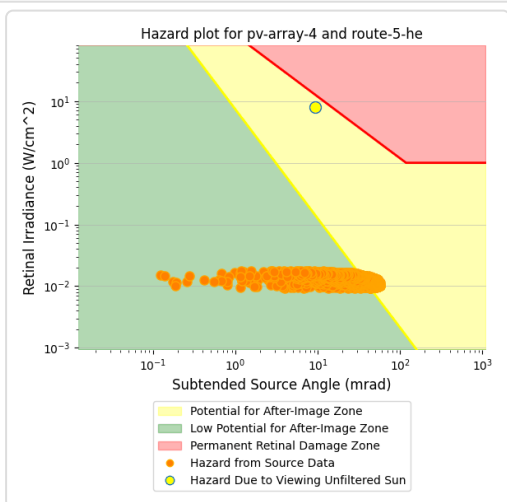
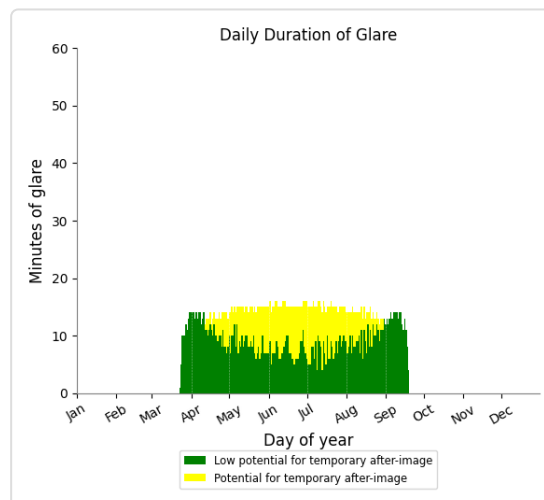
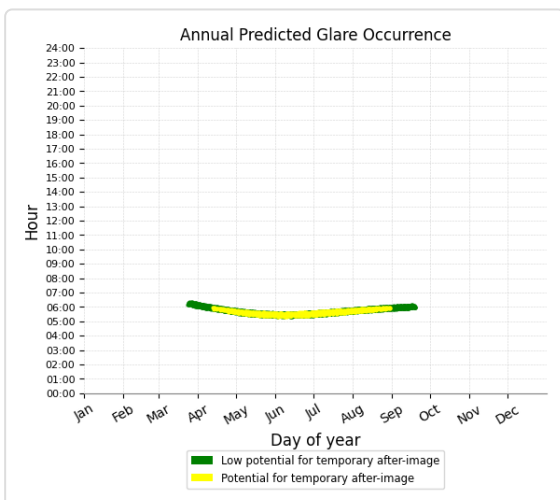
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
Route 5 - Heckington Road - north of Howell	1,665	27.8	864	14.4	583,740
Route 6 - Thorpe Road	1,692	28.2	1,245	20.8	603,201
Route 7 - Lane connected to Thorpe Road	1,609	26.8	1,200	20.0	661,975
Route 8 - Field Lane	1,471	24.5	201	3.4	411,858
Route 2 - B1395	33	0.6	0	0.0	238,729
Route 3 - Howell Fen Drove	120	2.0	0	0.0	16,759
Route 10 - Star Fen Road	0	0.0	0	0.0	0
Route 11 - Church Lane	0	0.0	0	0.0	0
Route 12 - Cow Drove	0	0.0	0	0.0	0
Route 13 - Railway	0	0.0	0	0.0	0
Route 1 - A17	0	0.0	0	0.0	0
Route 4 - Heckington Road - south of Howell	0	0.0	0	0.0	0
Route 9 - Littleworth Drove	0	0.0	0	0.0	0
FP 14 - Anwick West	291	4.8	0	0.0	78,206
FP 15 - Boston East	1,415	23.6	0	0.0	68,292
FP 4 - RAF Cranwell West	439	7.3	0	0.0	30,509
FP 8 - RAF Barkston Heath NW	1,224	20.4	0	0.0	38,123
FP 9 - RAF Barkston Heath SW	1,684	28.1	0	0.0	39,403
FP 10 - RAF Barkston Heath NE	0	0.0	0	0.0	0
FP 11 - RAF Barkston Heath South	0	0.0	0	0.0	0
FP 12 - RAF Barkston Heath North	0	0.0	0	0.0	0
FP 13 - Anwick East	0	0.0	0	0.0	0
FP 16 - Boston West	0	0.0	0	0.0	0
FP 17 - Waddington South	0	0.0	0	0.0	0
FP 18 - Waddington North	0	0.0	0	0.0	0
FP 19 - Griffins Farm East	0	0.0	0	0.0	0
FP 1 - RAF Coningsby East	0	0.0	0	0.0	0
FP 20 - Griffins Farm West	0	0.0	0	0.0	0
FP 2 - RAF Coningsby West	0	0.0	0	0.0	0
FP 3 - RAF Cranwell East	0	0.0	0	0.0	0
FP 5 - RAF Cranwell South	0	0.0	0	0.0	0
FP 6 - RAF Cranwell North	0	0.0	0	0.0	0
FP 7 - RAF Barkston Heath SE	0	0.0	0	0.0	0



PV array 4 and Route: Route 5 - Heckington Road - north of Howell

Yellow glare: 864 min.

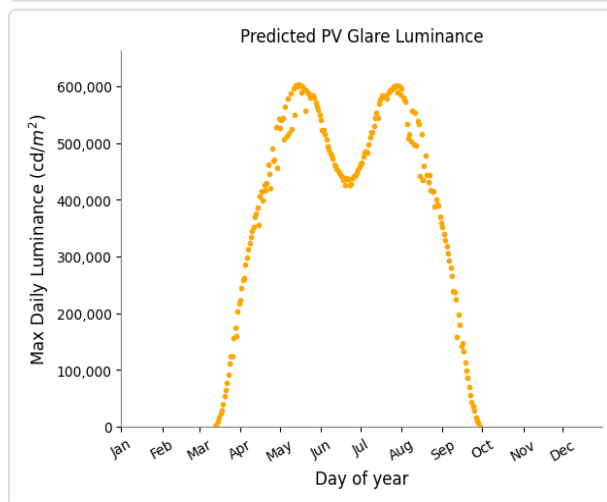
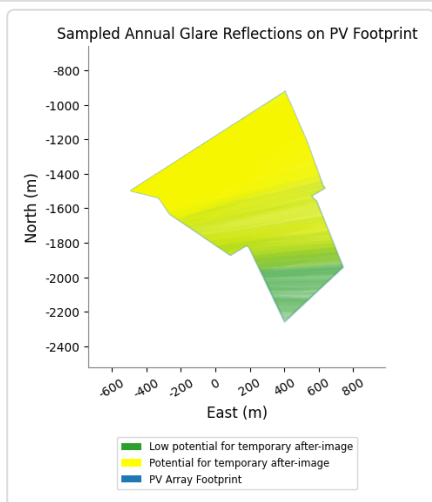
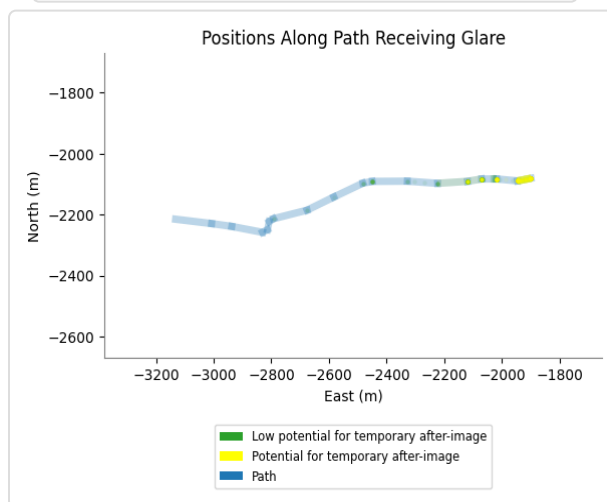
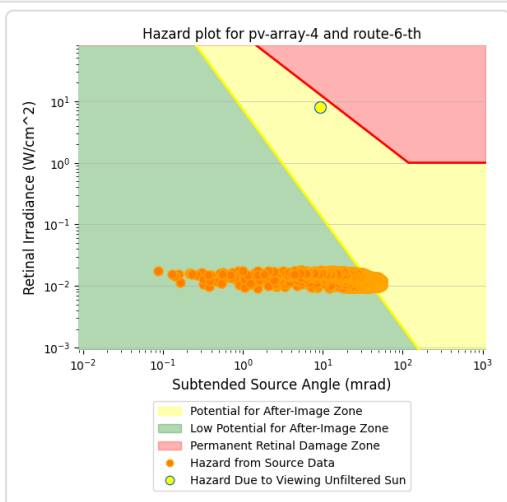
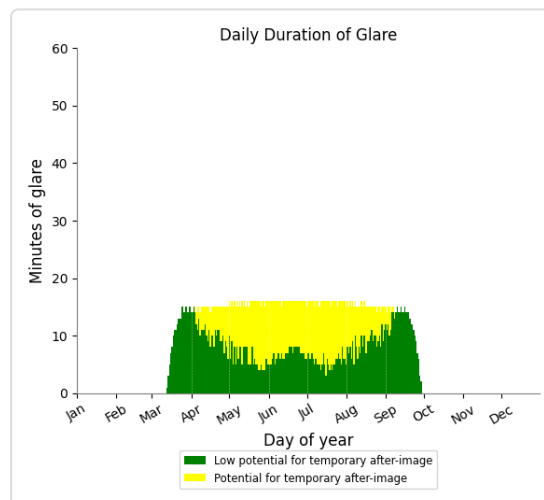
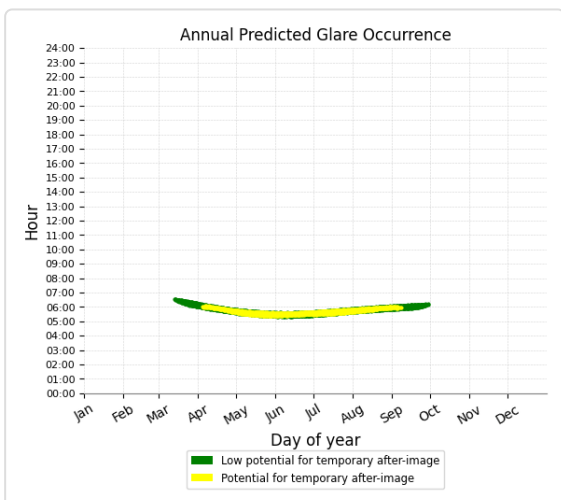
Green glare: 1,665 min.



PV array 4 and Route: Route 6 - Thorpe Road

Yellow glare: 1,245 min.

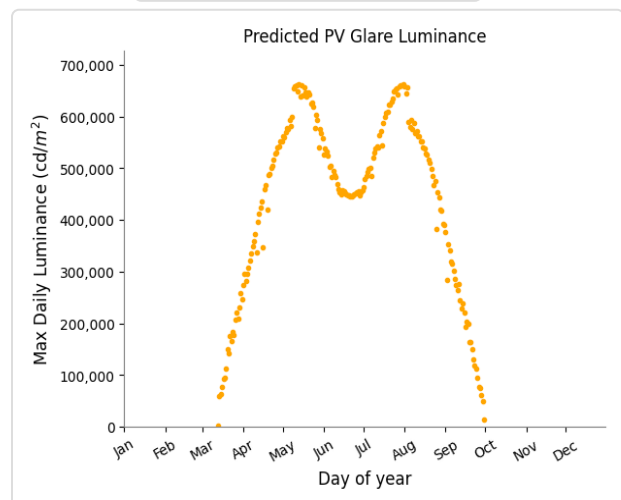
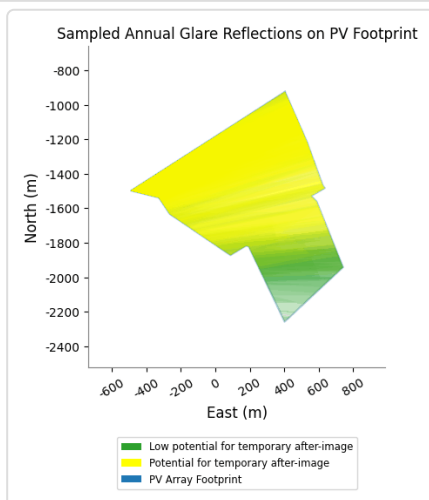
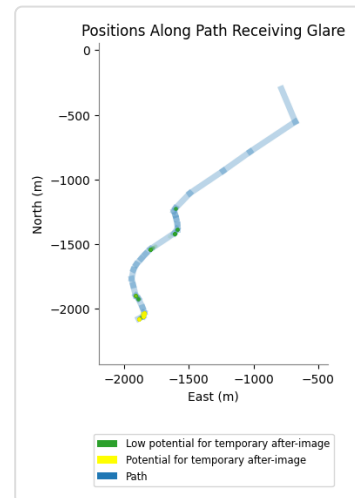
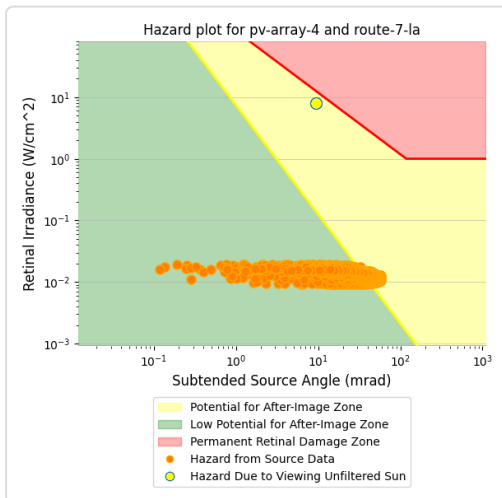
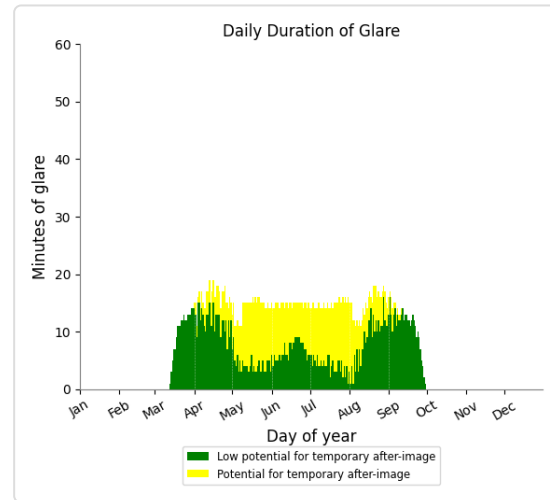
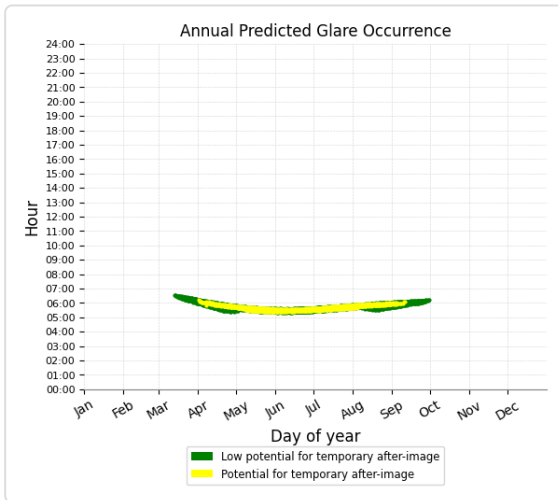
Green glare: 1,692 min.



PV array 4 and Route: Route 7 - Lane connected to Thorpe Road

Yellow glare: 1,200 min.

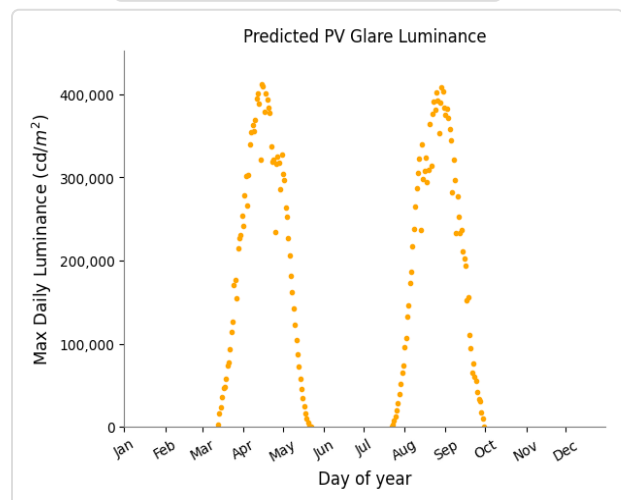
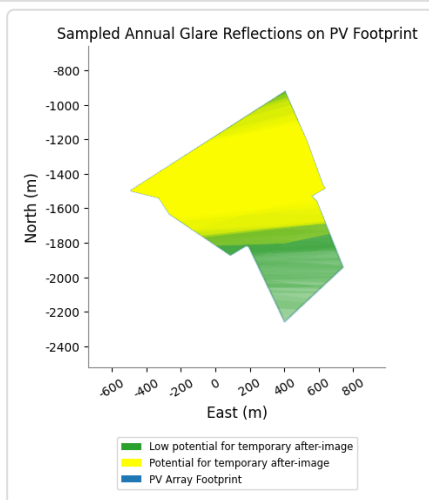
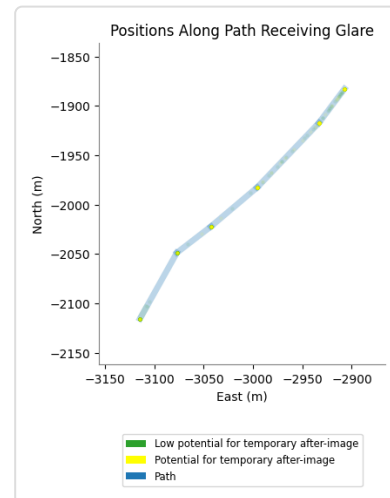
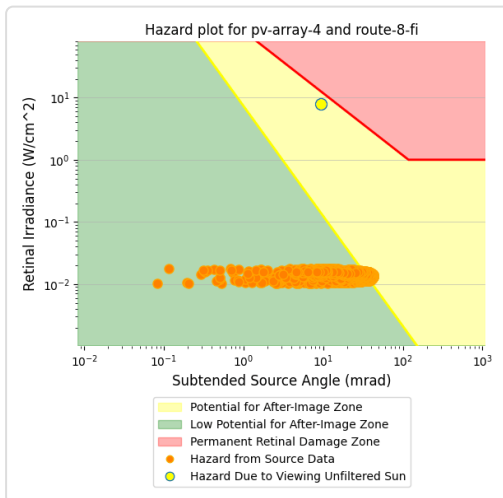
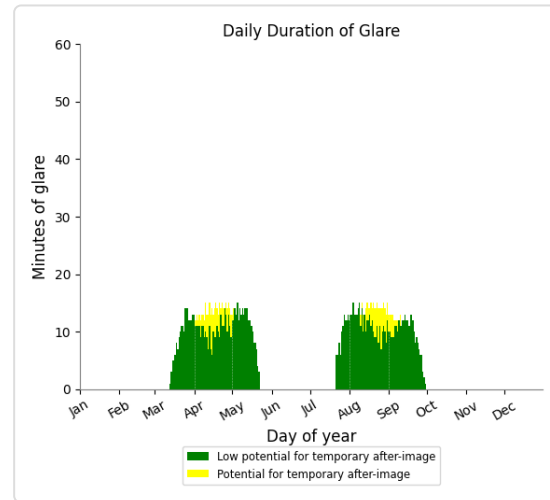
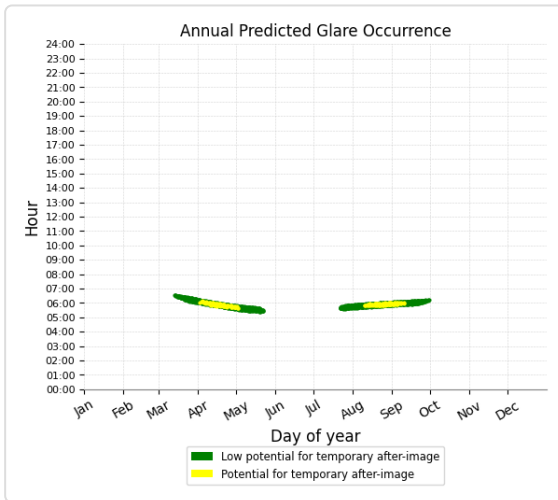
Green glare: 1,609 min.



PV array 4 and Route: Route 8 - Field Lane

Yellow glare: 201 min.

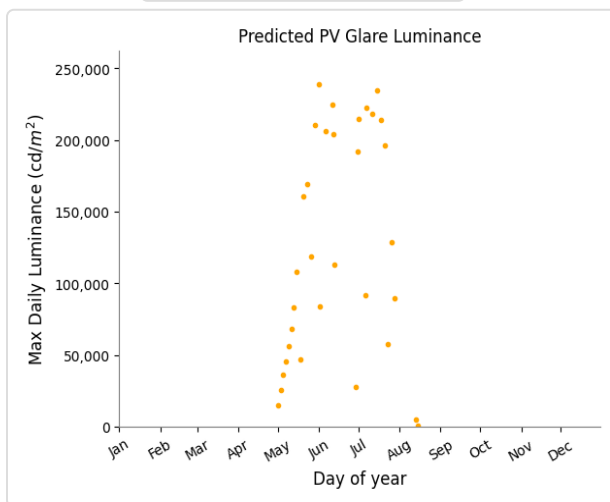
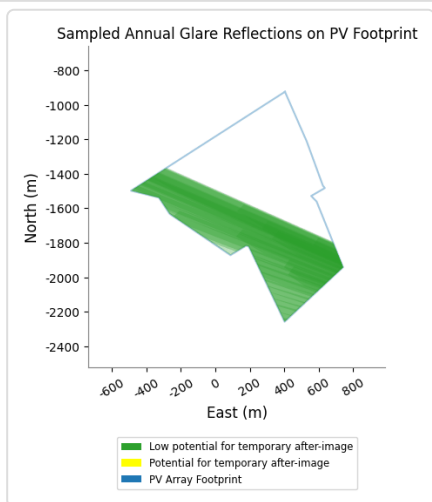
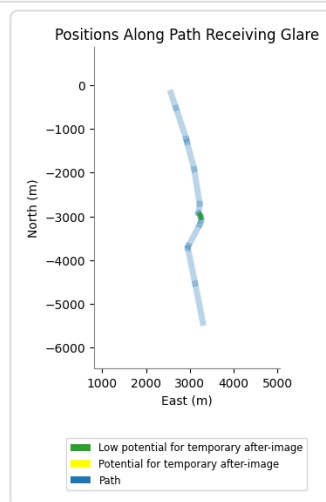
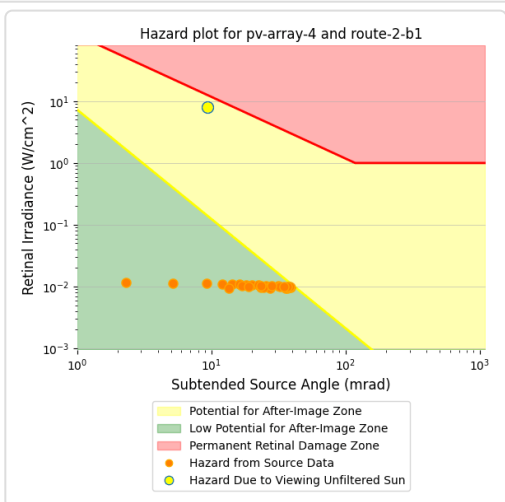
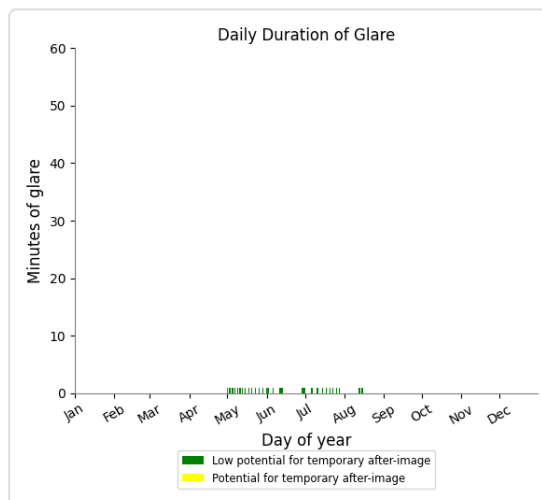
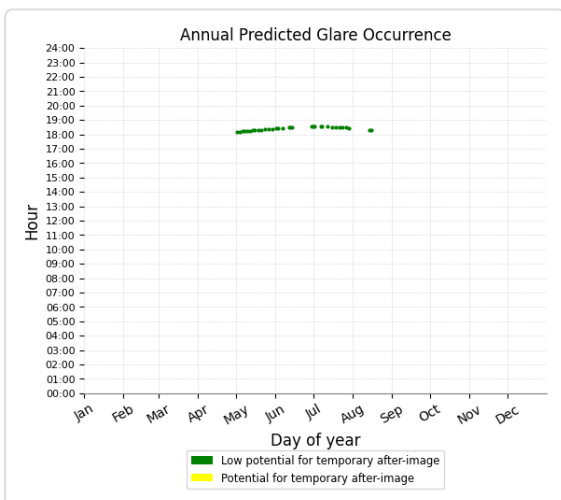
Green glare: 1,471 min.



PV array 4 and Route: Route 2 - B1395

Yellow glare: none

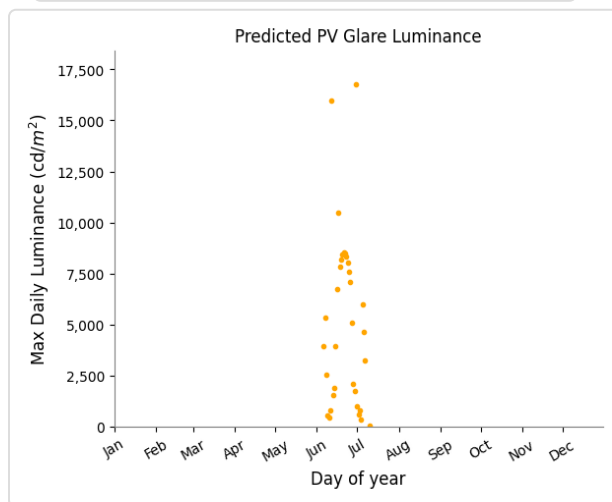
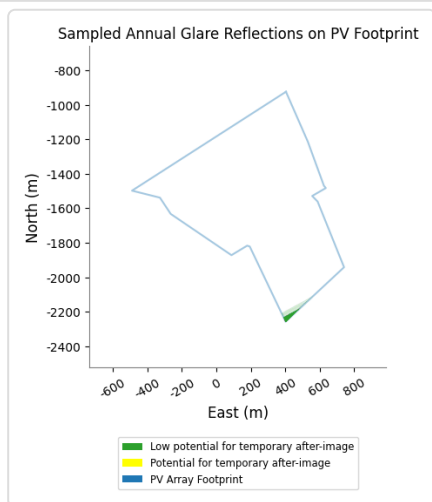
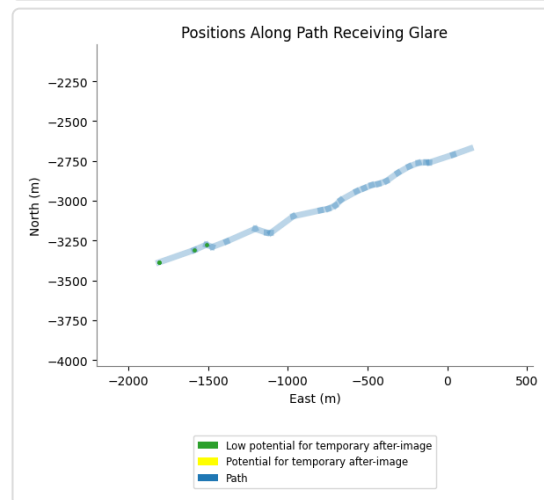
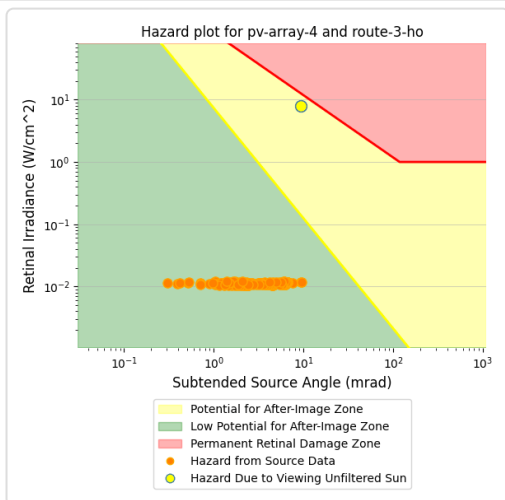
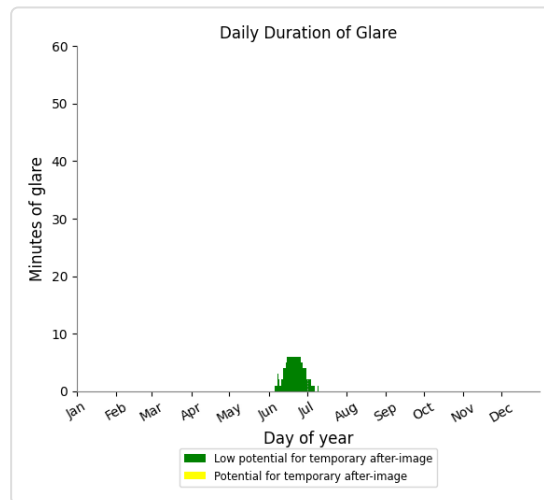
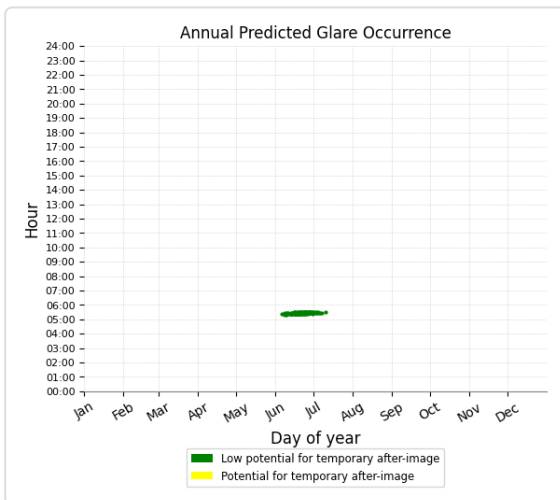
Green glare: 33 min.



PV array 4 and Route: Route 3 - Howell Fen Drove

Yellow glare: none

Green glare: 120 min.



PV array 4 and Route: Route 10 - Star Fen Road

No glare found

PV array 4 and Route: Route 11 - Church Lane

No glare found

PV array 4 and Route: Route 12 - Cow Drove

No glare found

PV array 4 and Route: Route 13 - Railway

No glare found

PV array 4 and Route: Route 1 - A17

No glare found

PV array 4 and Route: Route 4 - Heckington Road - south of Howell

No glare found

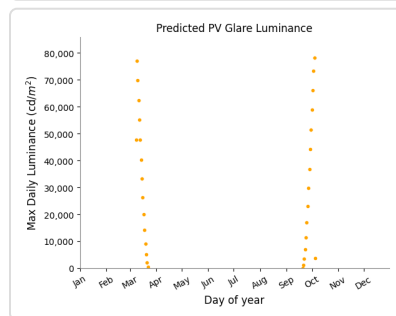
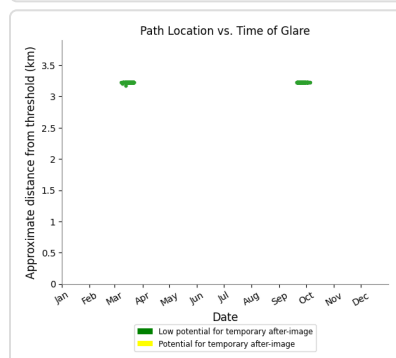
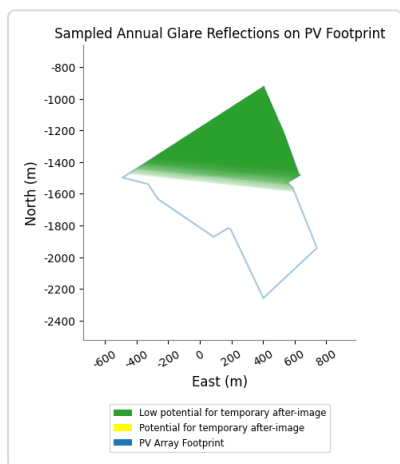
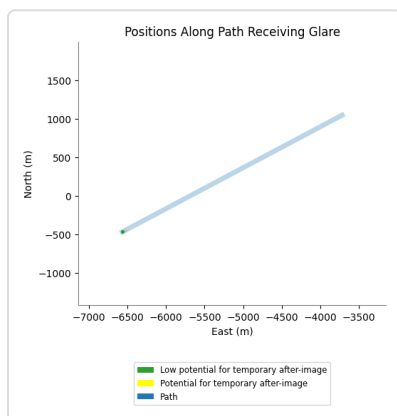
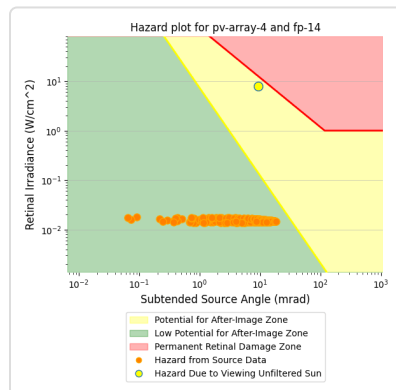
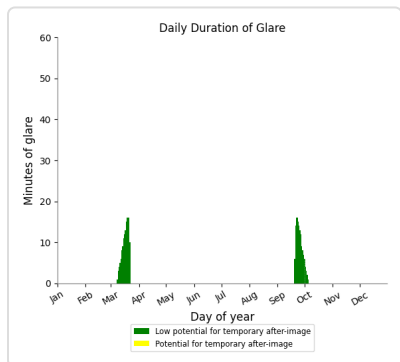
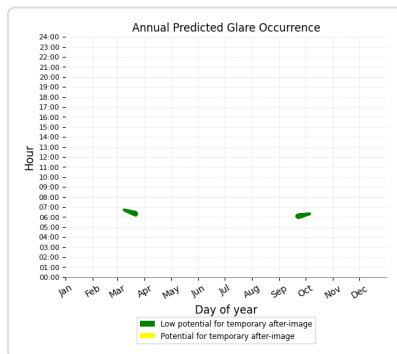
PV array 4 and Route: Route 9 - Littleworth Drove

No glare found

PV array 4 and FP: FP 14 - Anwick West

Yellow glare: none

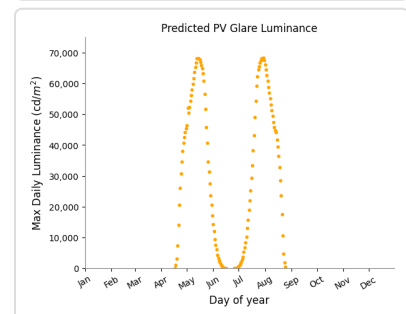
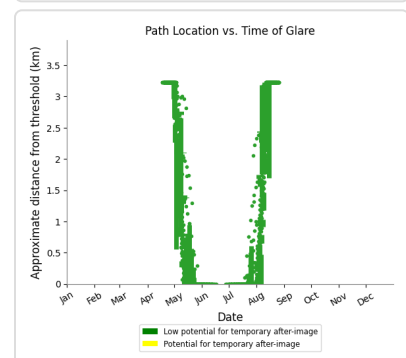
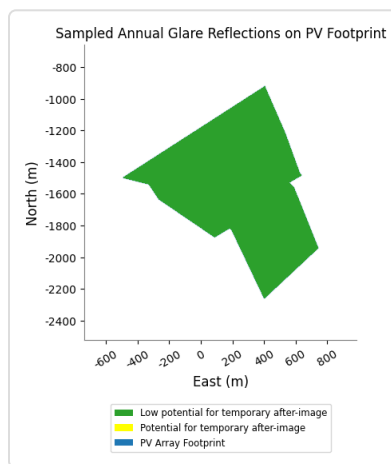
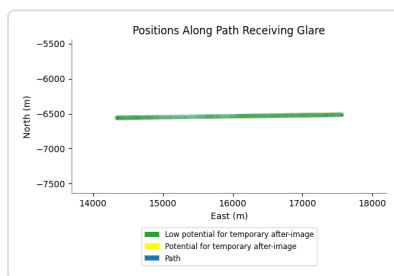
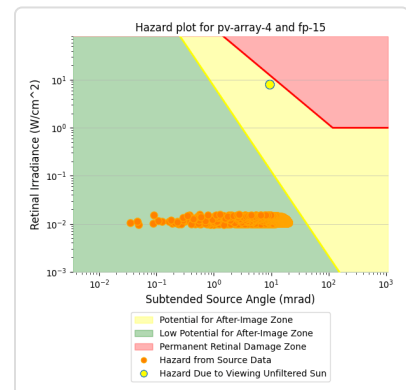
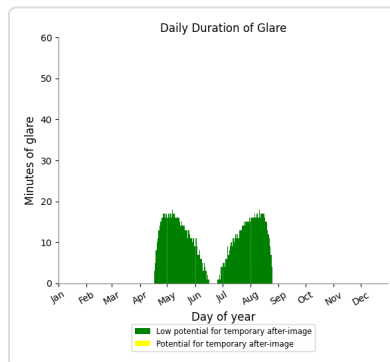
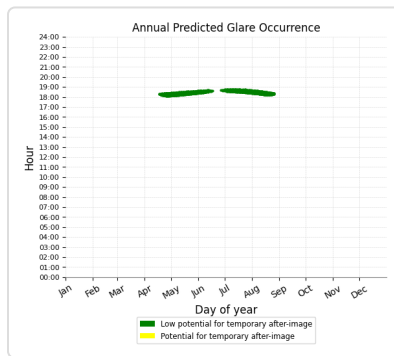
Green glare: 291 min.



PV array 4 and FP: FP 15 - Boston East

Yellow glare: none

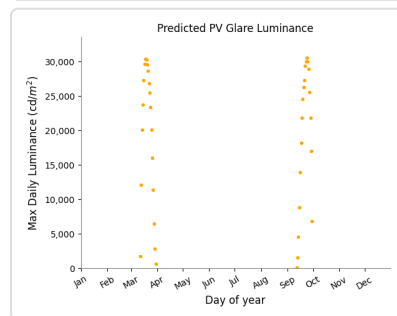
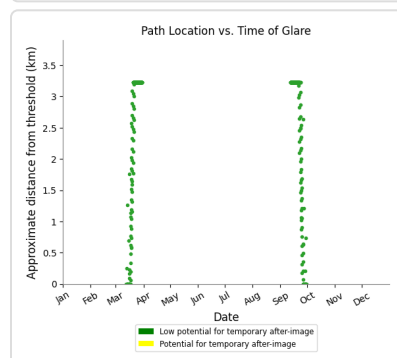
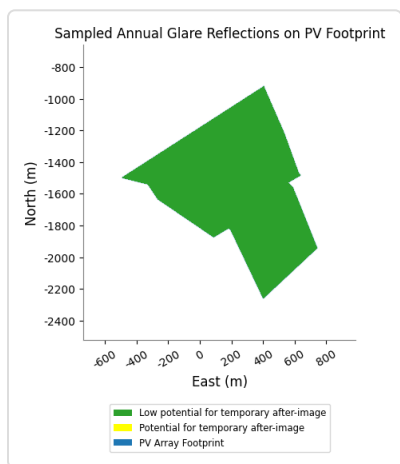
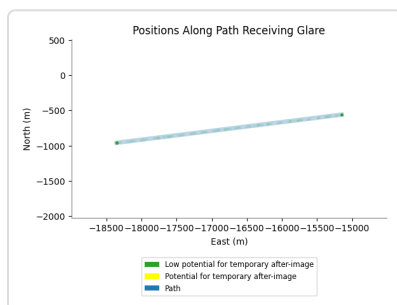
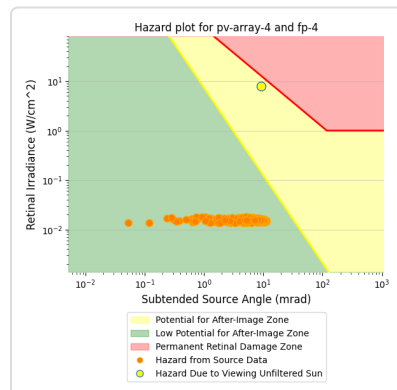
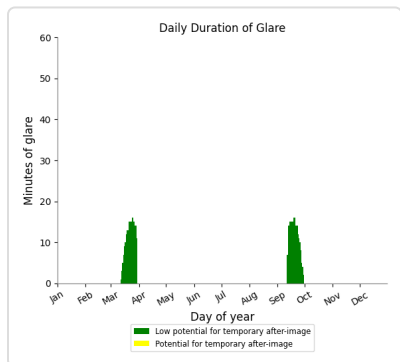
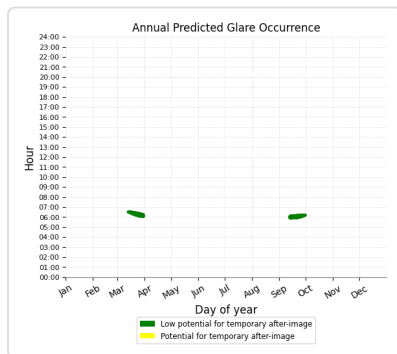
Green glare: 1,415 min.



PV array 4 and FP: FP 4 - RAF Cranwell West

Yellow glare: none

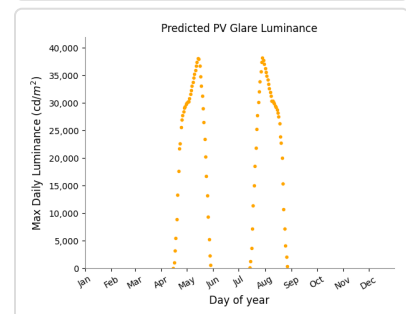
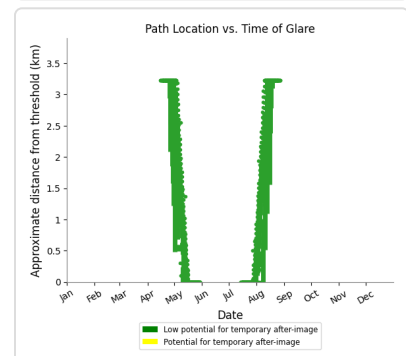
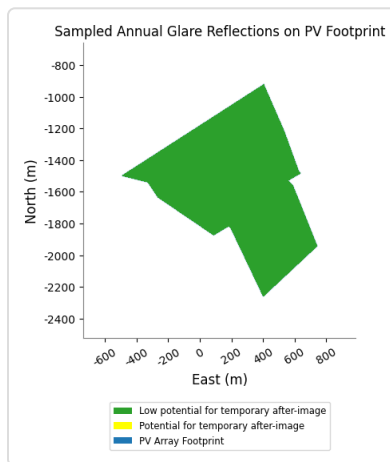
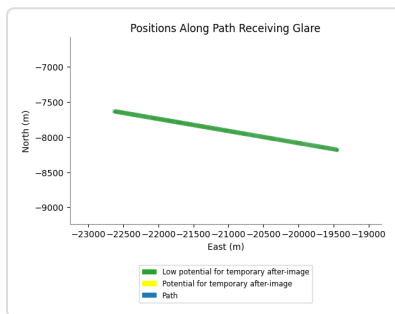
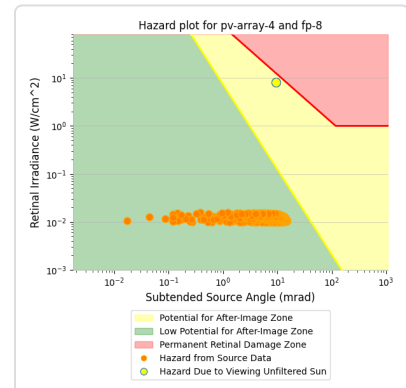
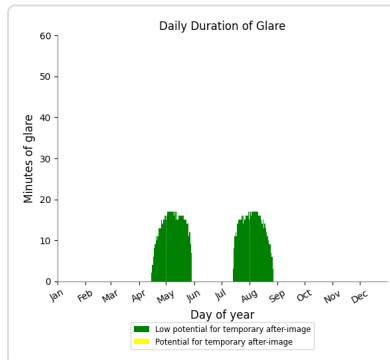
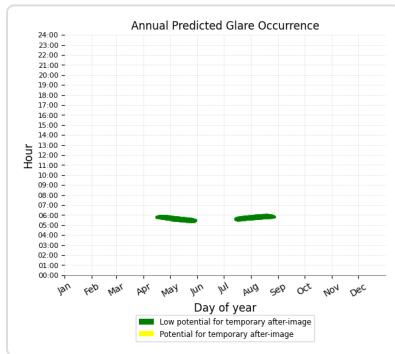
Green glare: 439 min.



PV array 4 and FP: FP 8 - RAF Barkston Heath NW

Yellow glare: none

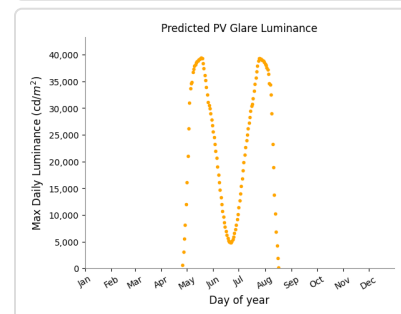
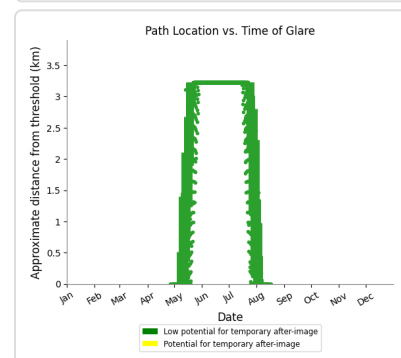
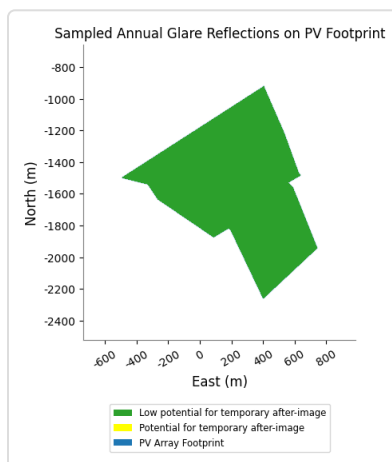
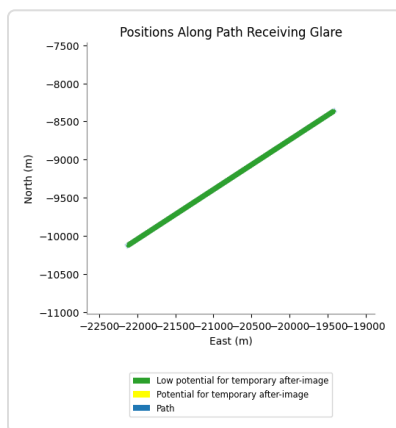
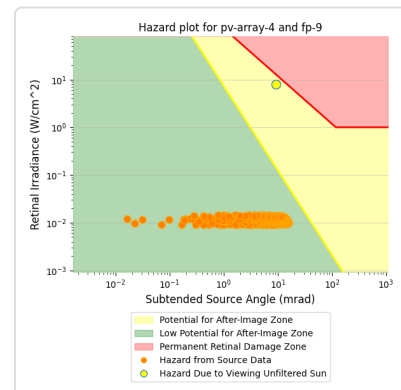
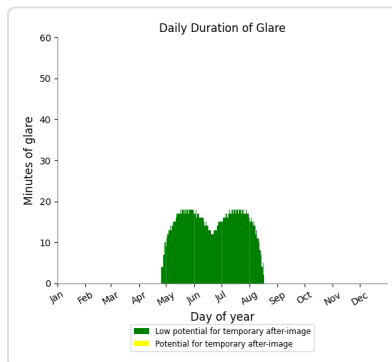
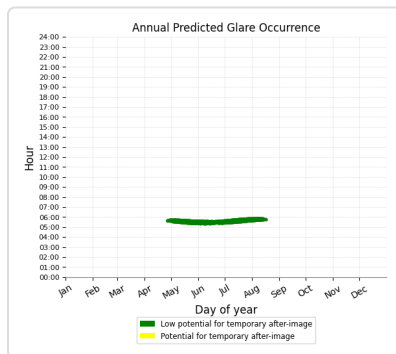
Green glare: 1,224 min.



PV array 4 and FP: FP 9 - RAF Barkston Heath SW

Yellow glare: none

Green glare: 1,684 min.



PV array 4 and FP: FP 10 - RAF Barkston Heath NE

No glare found

PV array 4 and FP: FP 11 - RAF Barkston Heath South

No glare found

PV array 4 and FP: FP 12 - RAF Barkston Heath North

No glare found

PV array 4 and FP: FP 13 - Anwick East

No glare found

PV array 4 and FP: FP 16 - Boston West

No glare found

PV array 4 and FP: FP 17 - Waddington South

No glare found

PV array 4 and FP: FP 18 - Waddington North

No glare found

PV array 4 and FP: FP 19 - Griffins Farm East

No glare found

PV array 4 and FP: FP 1 - RAF Coningsby East

No glare found

PV array 4 and FP: FP 20 - Griffins Farm West

No glare found

PV array 4 and FP: FP 2 - RAF Coningsby West

No glare found

PV array 4 and FP: FP 3 - RAF Cranwell East

No glare found

PV array 4 and FP: FP 5 - RAF Cranwell South

No glare found

PV array 4 and FP: FP 6 - RAF Cranwell North

No glare found

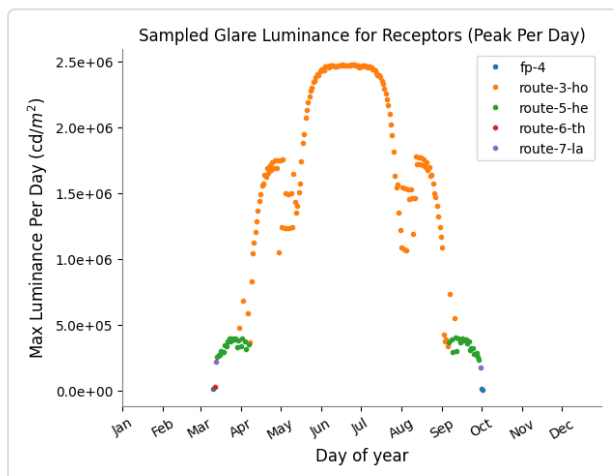
PV array 4 and FP: FP 7 - RAF Barkston Heath SE

No glare found

PV: PV array 5 potential temporary after-image

Receptor results ordered by category of glare

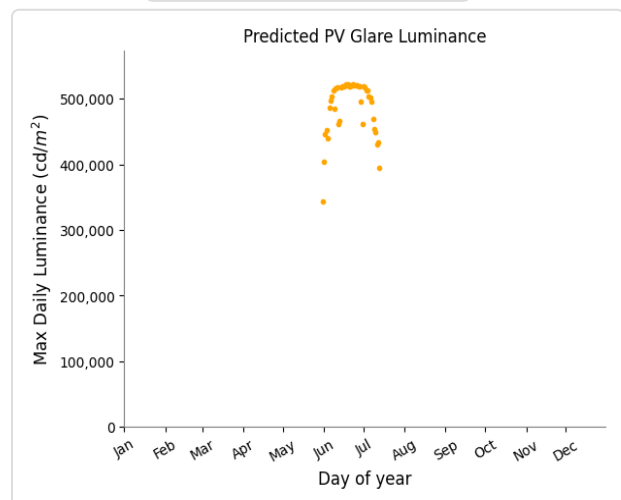
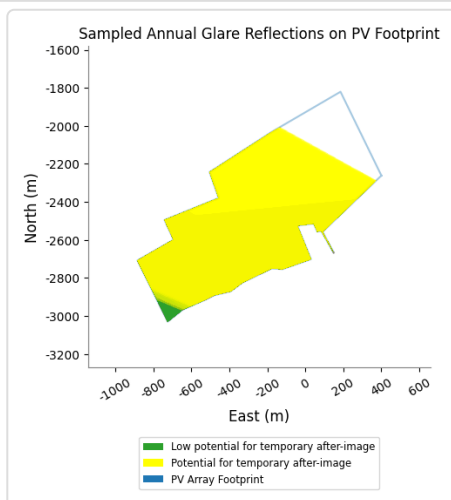
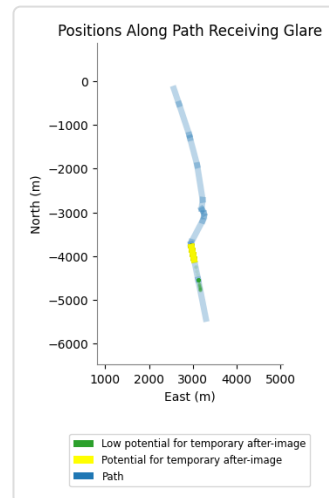
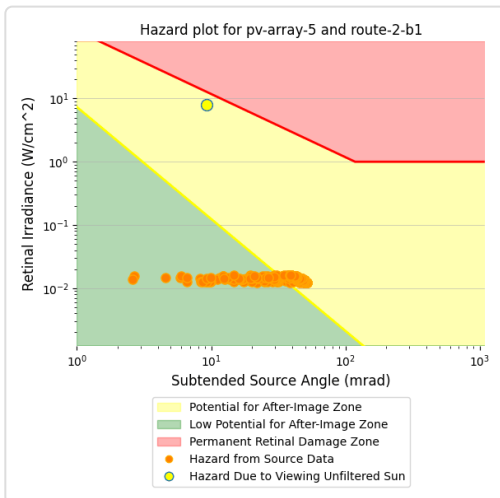
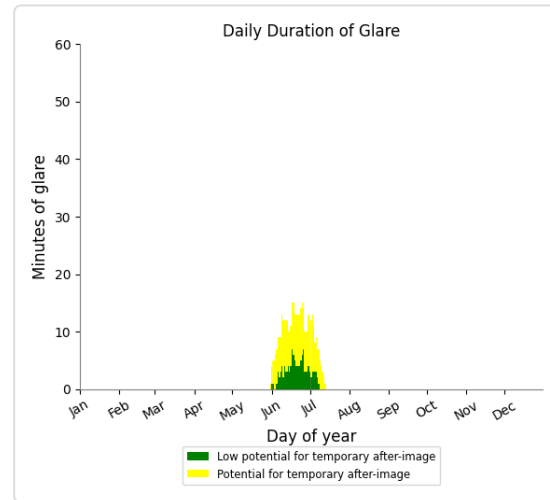
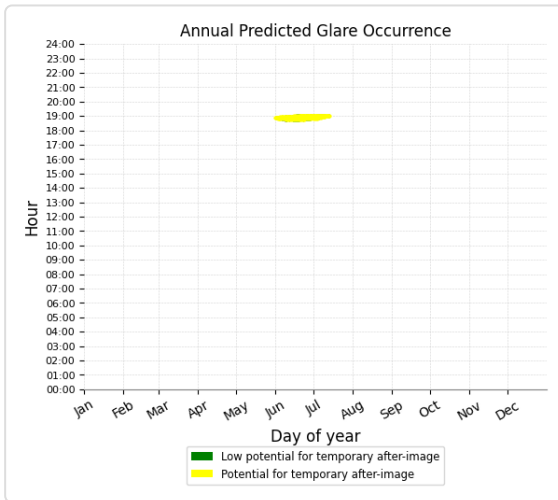
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
Route 2 - B1395	123	2.0	299	5.0	521,794
Route 3 - Howell Fen Drove	2,979	49.6	4,242	70.7	2,472,765
Route 5 - Heckington Road - north of Howell	885	14.8	159	2.6	404,624
Route 6 - Thorpe Road	914	15.2	13	0.2	265,997
Route 7 - Lane connected to Thorpe Road	564	9.4	20	0.3	270,322
Route 9 - Littleworth Drove	1,534	25.6	14	0.2	326,415
Route 10 - Star Fen Road	1,231	20.5	0	0.0	190,863
Route 13 - Railway	461	7.7	0	0.0	236,523
Route 8 - Field Lane	537	8.9	0	0.0	167,134
Route 11 - Church Lane	0	0.0	0	0.0	0
Route 12 - Cow Drove	0	0.0	0	0.0	0
Route 1 - A17	0	0.0	0	0.0	0
Route 4 - Heckington Road - south of Howell	0	0.0	0	0.0	0
FP 15 - Boston East	1,016	16.9	0	0.0	54,216
FP 4 - RAF Cranwell West	247	4.1	0	0.0	21,737
FP 8 - RAF Barkston Heath NW	957	15.9	0	0.0	38,797
FP 9 - RAF Barkston Heath SW	982	16.4	0	0.0	38,766
FP 10 - RAF Barkston Heath NE	0	0.0	0	0.0	0
FP 11 - RAF Barkston Heath South	0	0.0	0	0.0	0
FP 12 - RAF Barkston Heath North	0	0.0	0	0.0	0
FP 13 - Anwick East	0	0.0	0	0.0	0
FP 14 - Anwick West	0	0.0	0	0.0	0
FP 16 - Boston West	0	0.0	0	0.0	0
FP 17 - Waddington South	0	0.0	0	0.0	0
FP 18 - Waddington North	0	0.0	0	0.0	0
FP 19 - Griffins Farm East	0	0.0	0	0.0	0
FP 1 - RAF Coningsby East	0	0.0	0	0.0	0
FP 20 - Griffins Farm West	0	0.0	0	0.0	0
FP 2 - RAF Coningsby West	0	0.0	0	0.0	0
FP 3 - RAF Cranwell East	0	0.0	0	0.0	0
FP 5 - RAF Cranwell South	0	0.0	0	0.0	0
FP 6 - RAF Cranwell North	0	0.0	0	0.0	0
FP 7 - RAF Barkston Heath SE	0	0.0	0	0.0	0



PV array 5 and Route: Route 2 - B1395

Yellow glare: 299 min.

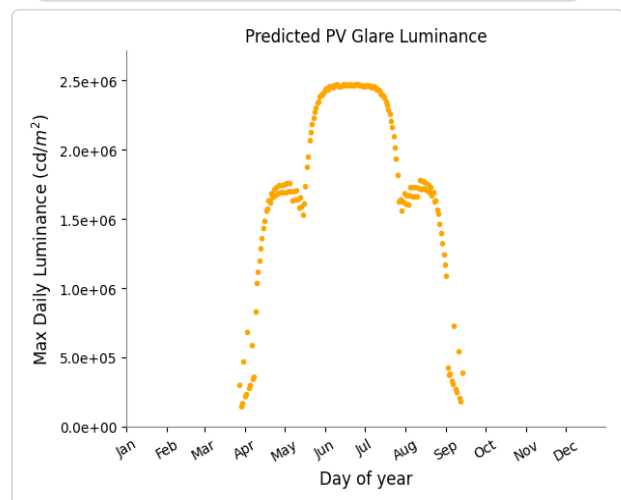
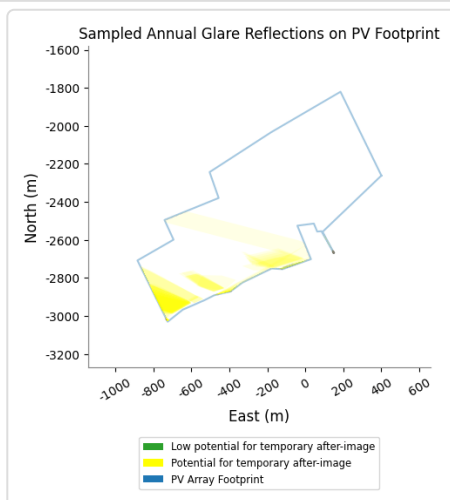
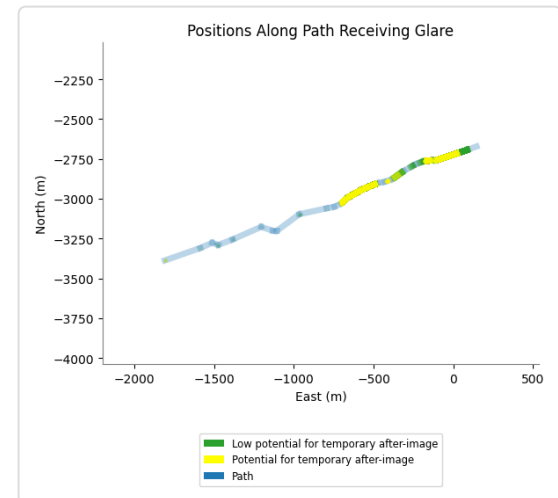
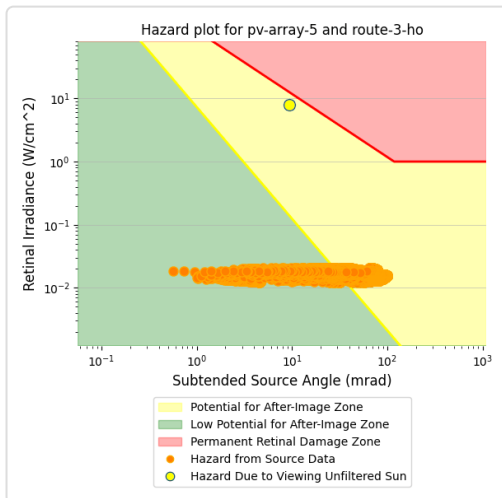
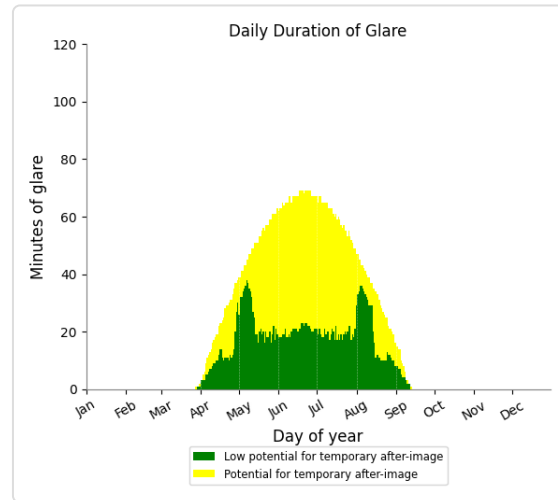
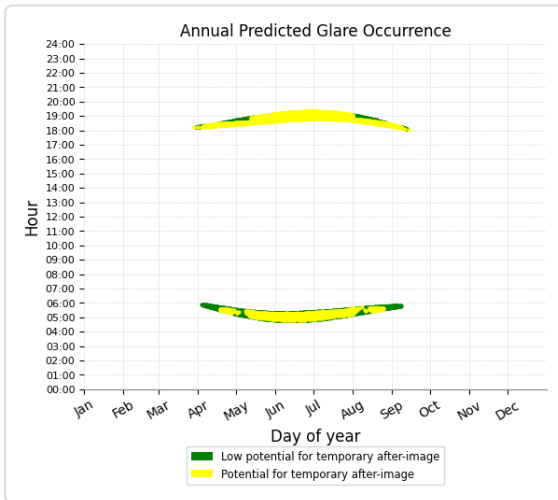
Green glare: 123 min.



PV array 5 and Route: Route 3 - Howell Fen Drove

Yellow glare: 4,242 min.

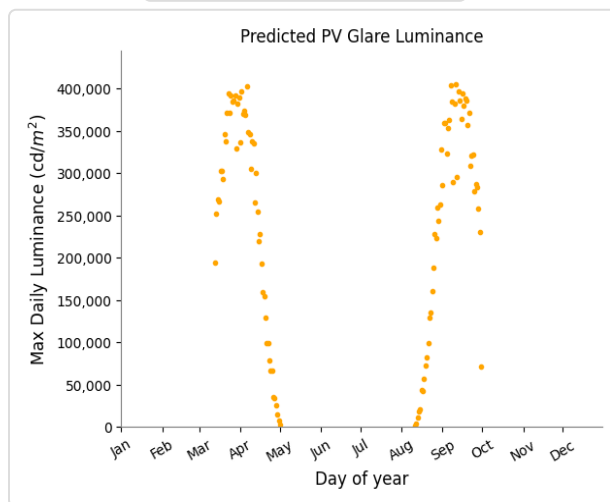
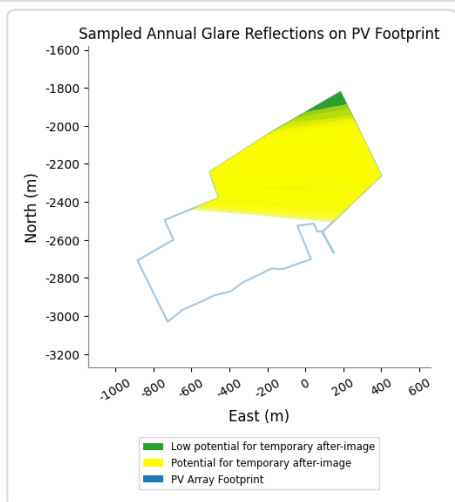
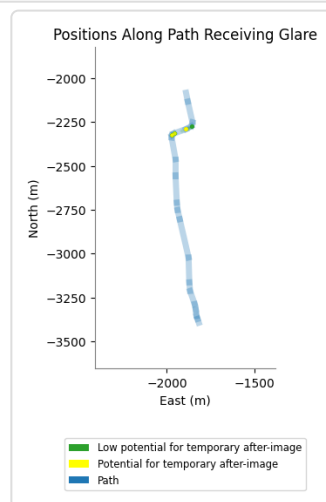
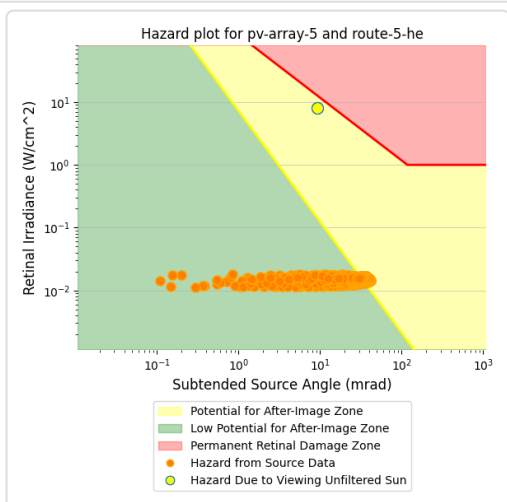
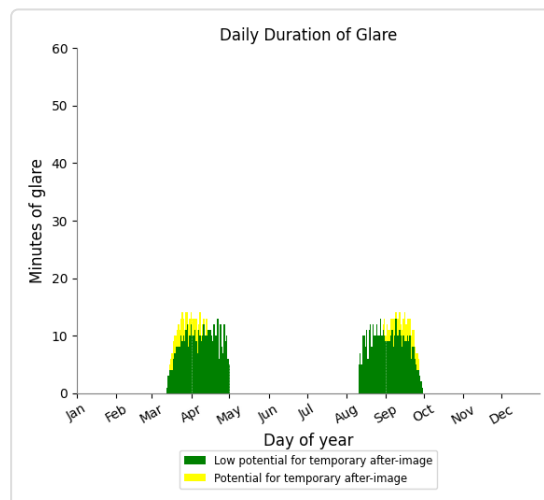
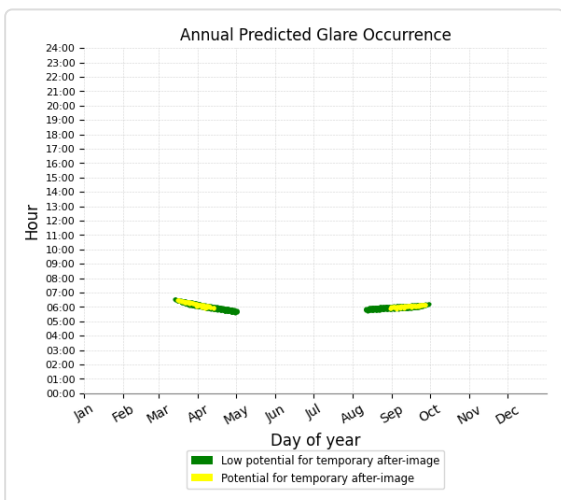
Green glare: 2,979 min.



PV array 5 and Route: Route 5 - Heckington Road - north of Howell

Yellow glare: 159 min.

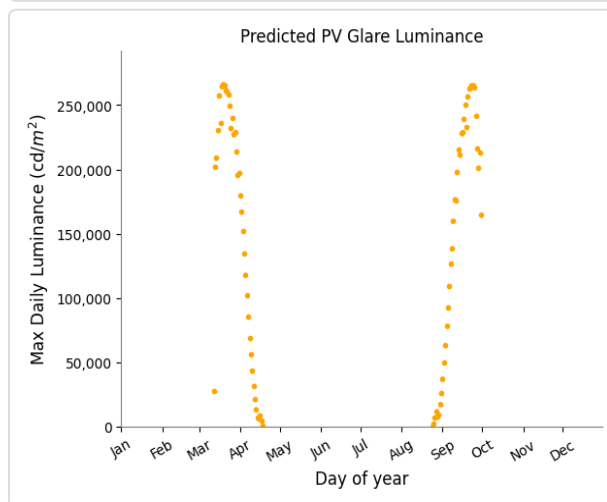
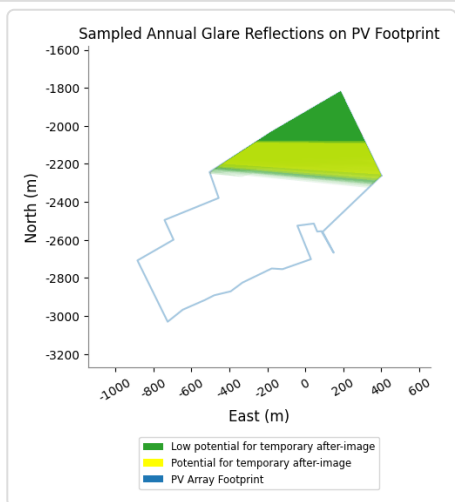
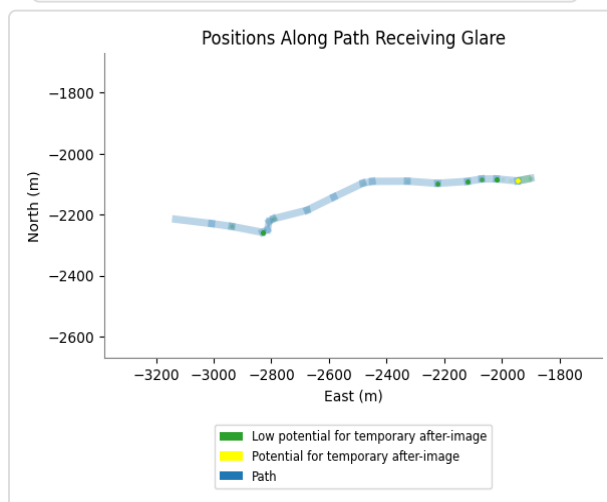
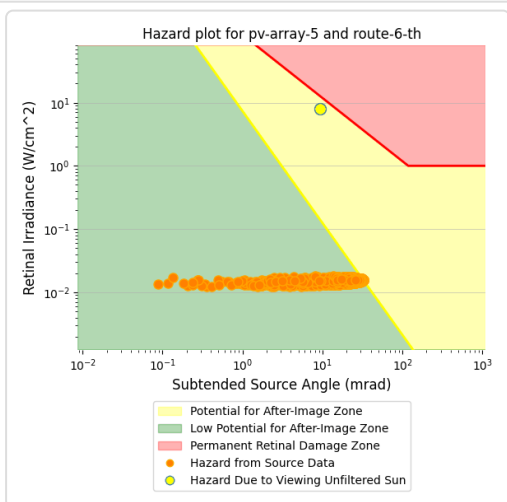
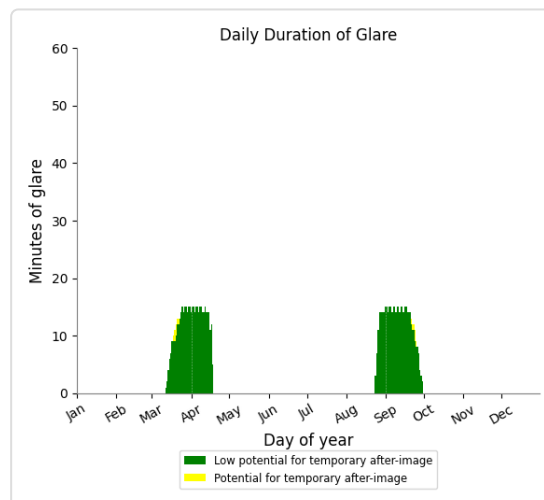
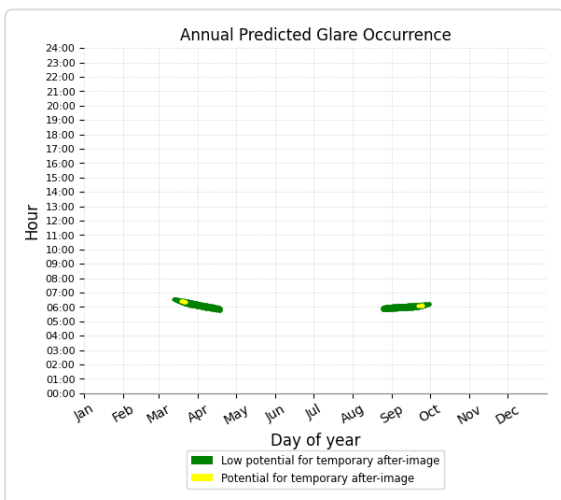
Green glare: 885 min.



PV array 5 and Route: Route 6 - Thorpe Road

Yellow glare: 13 min.

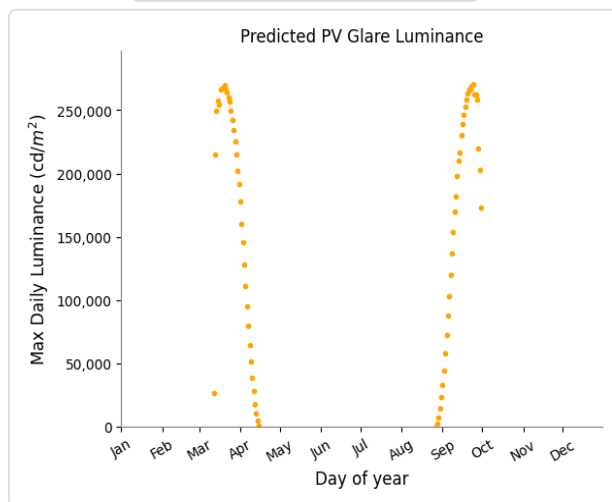
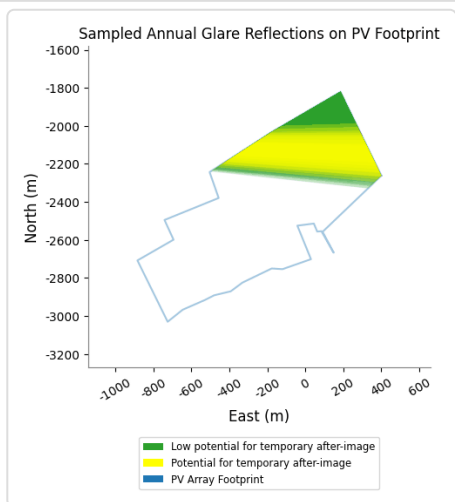
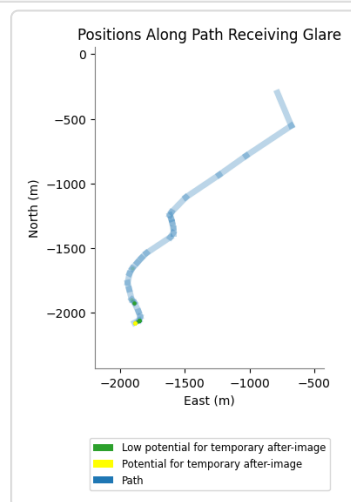
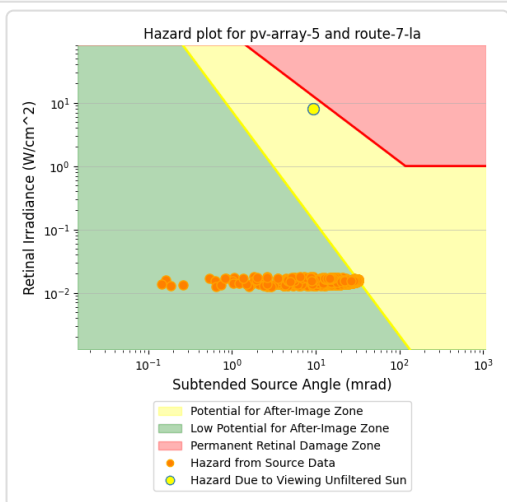
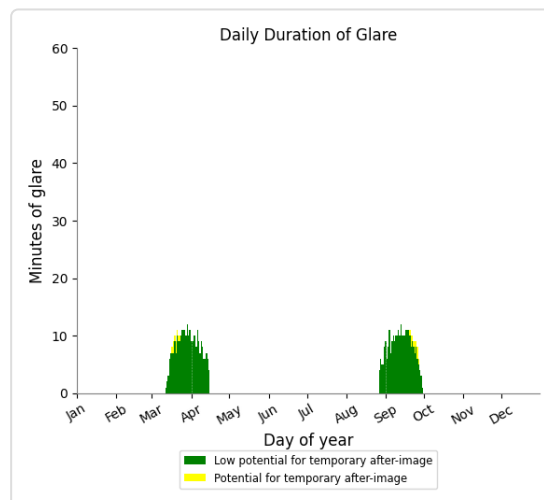
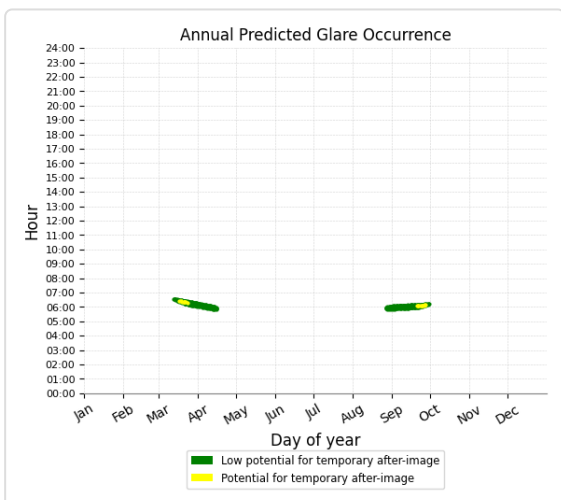
Green glare: 914 min.



PV array 5 and Route: Route 7 - Lane connected to Thorpe Road

Yellow glare: 20 min.

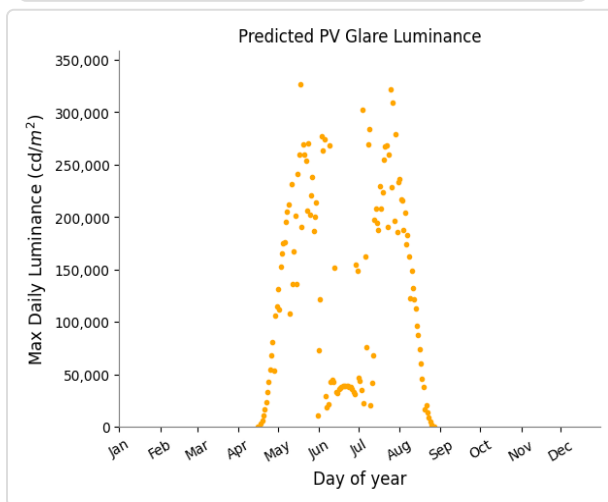
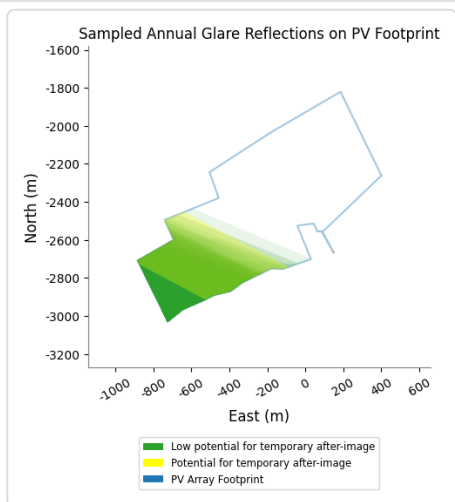
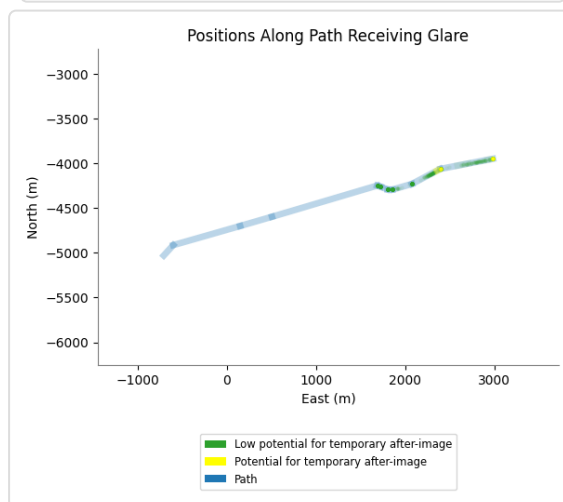
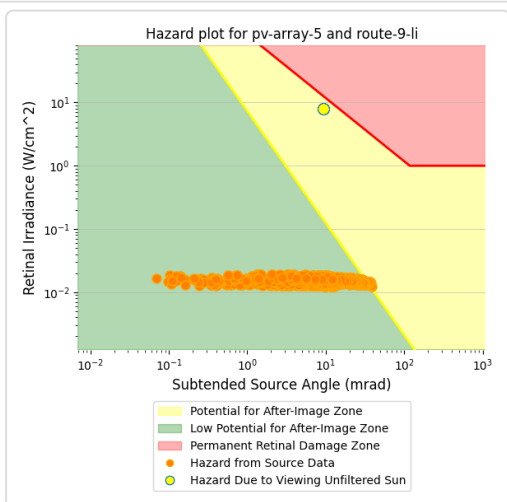
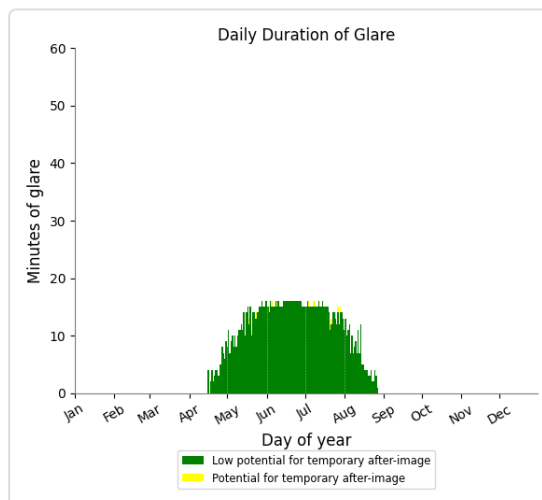
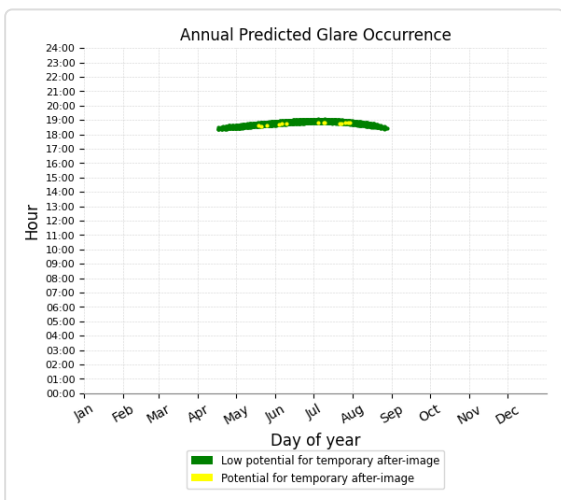
Green glare: 564 min.



PV array 5 and Route: Route 9 - Littleworth Drove

Yellow glare: 14 min.

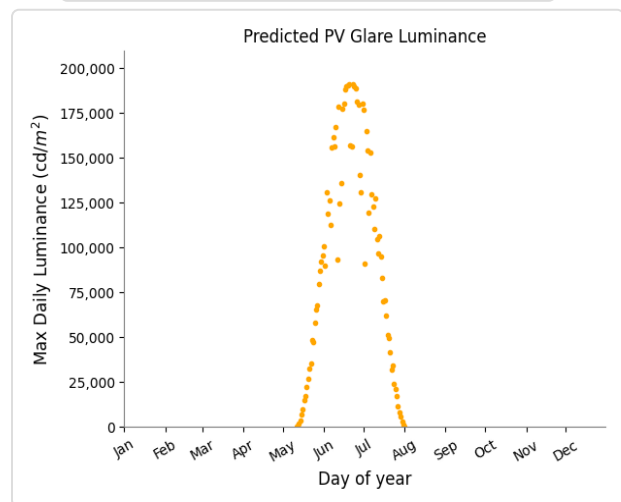
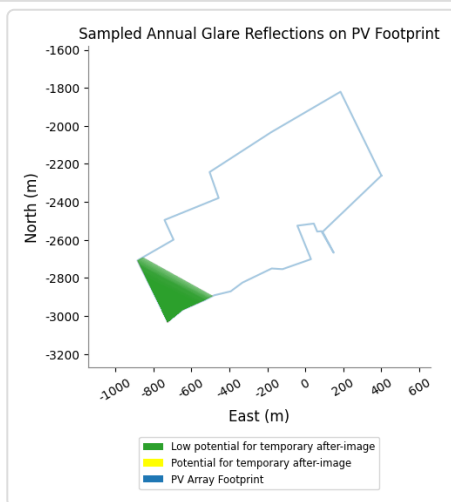
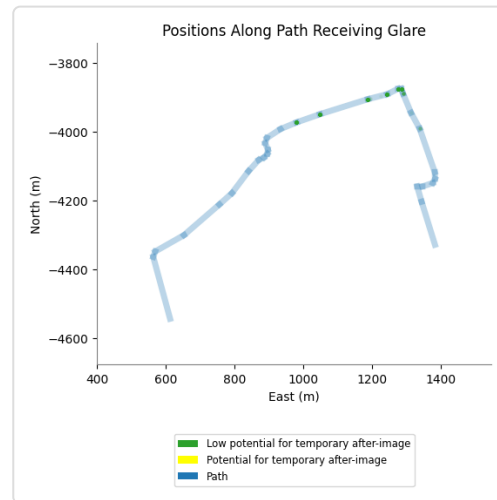
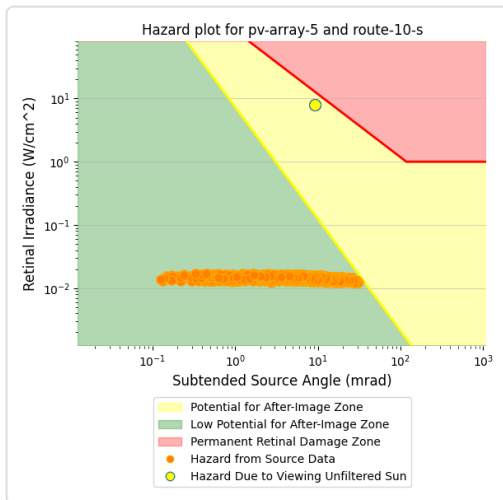
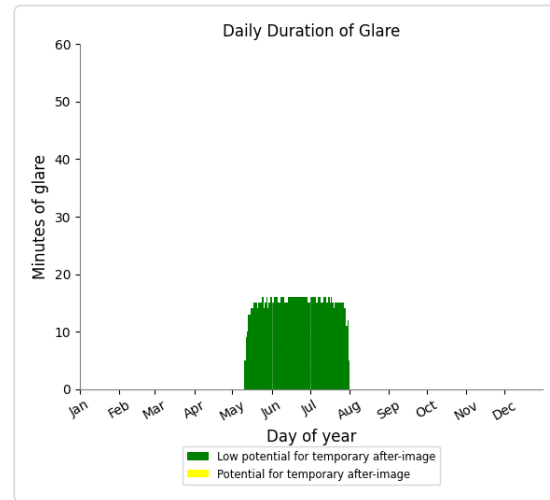
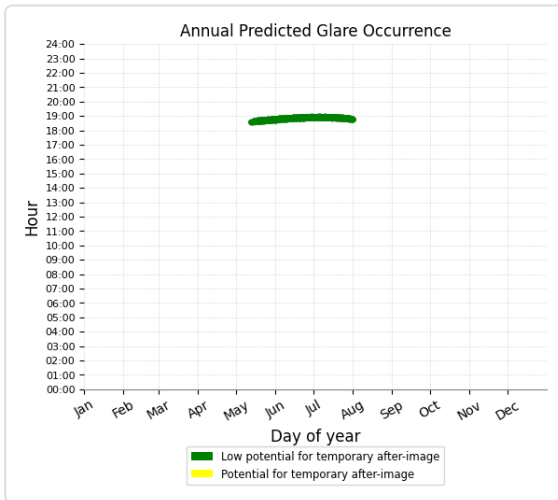
Green glare: 1,534 min.



PV array 5 and Route: Route 10 - Star Fen Road

Yellow glare: none

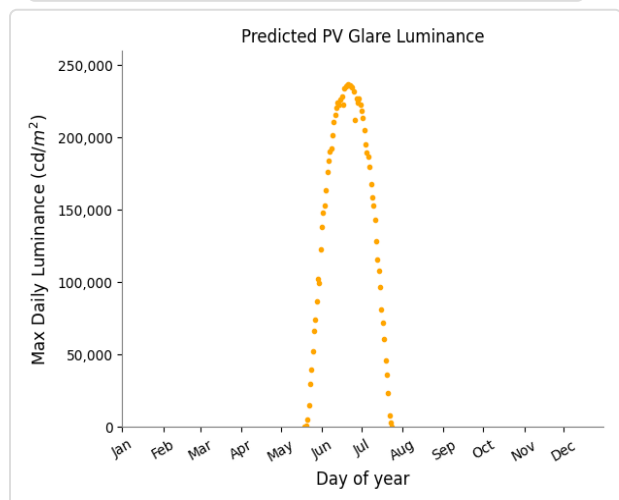
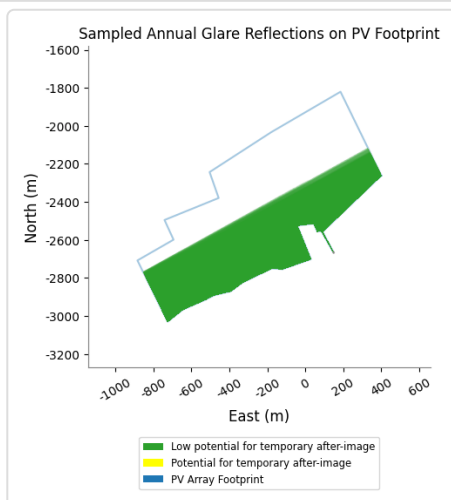
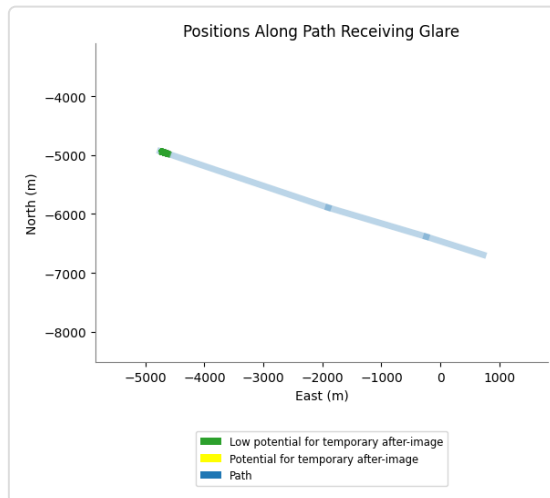
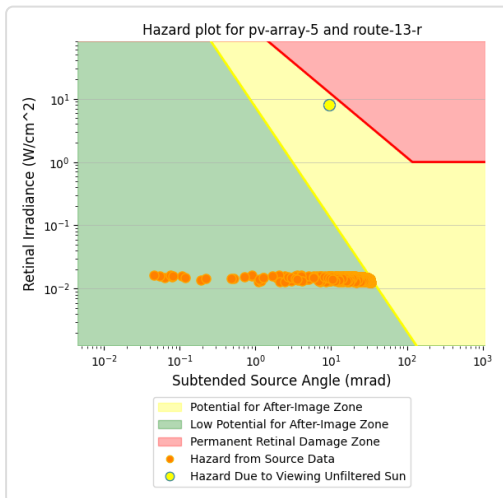
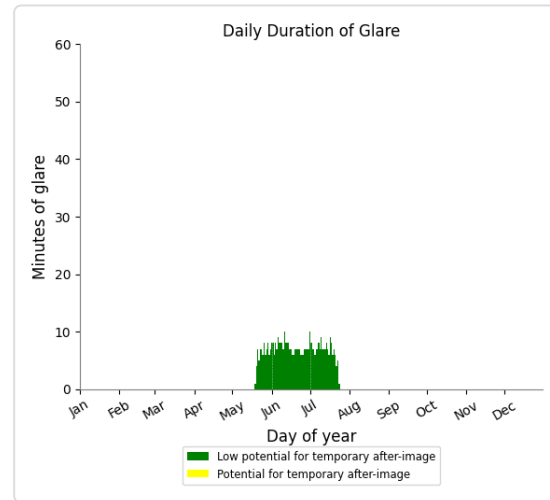
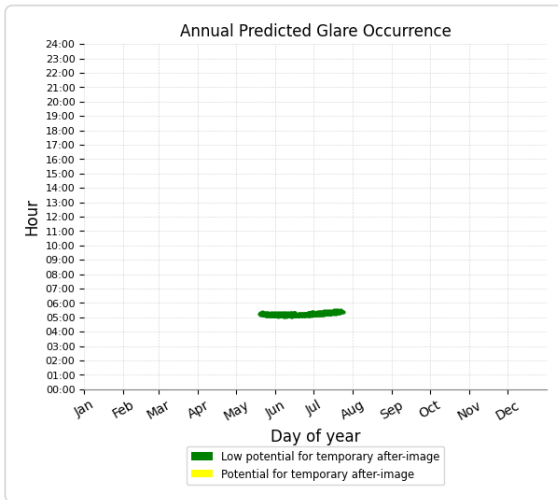
Green glare: 1,231 min.



PV array 5 and Route: Route 13 - Railway

Yellow glare: none

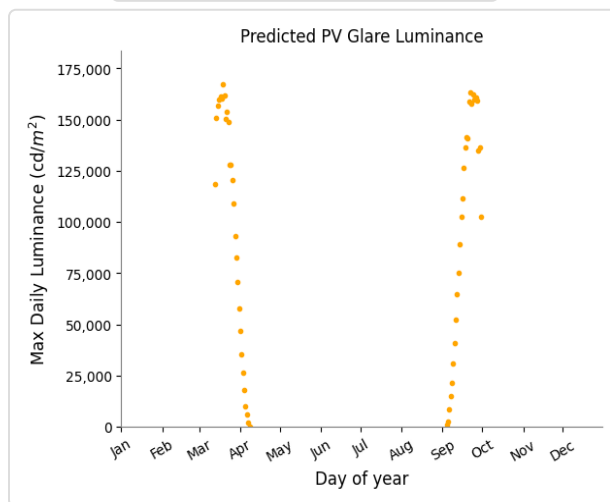
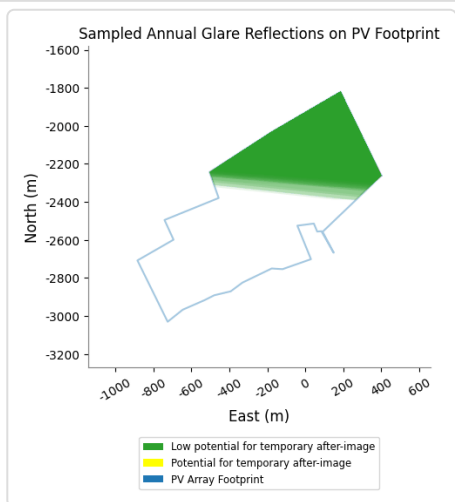
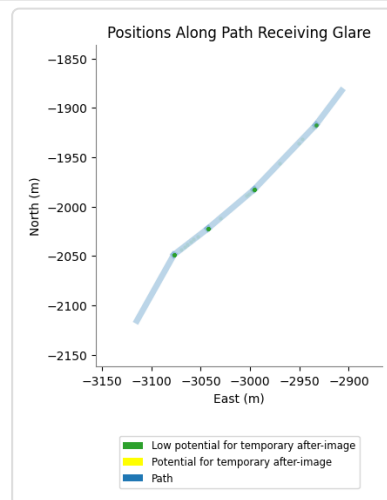
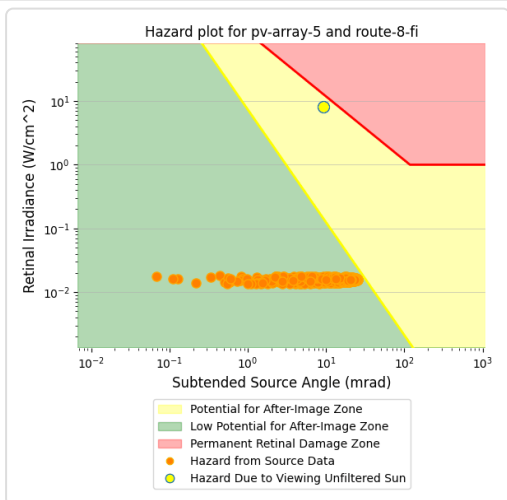
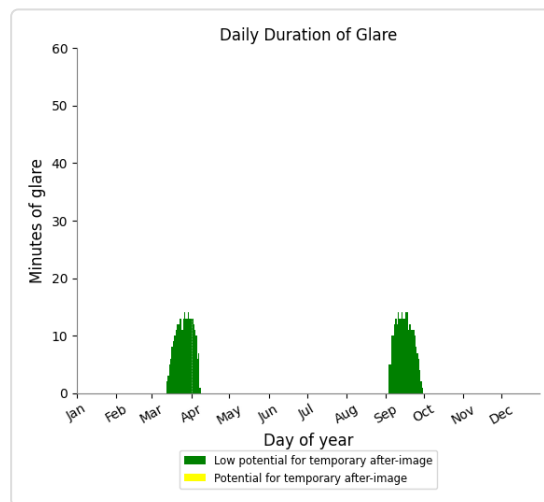
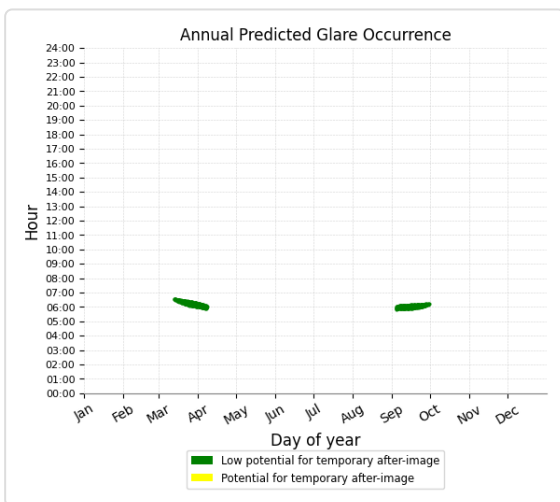
Green glare: 461 min.



PV array 5 and Route: Route 8 - Field Lane

Yellow glare: none

Green glare: 537 min.



PV array 5 and Route: Route 11 - Church Lane

No glare found

PV array 5 and Route: Route 12 - Cow Drove

No glare found

PV array 5 and Route: Route 1 - A17

No glare found

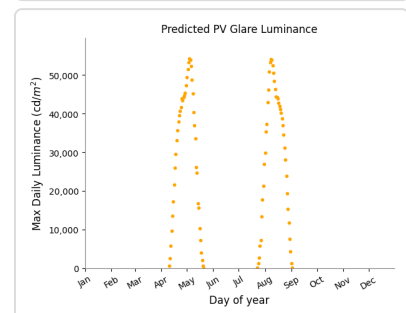
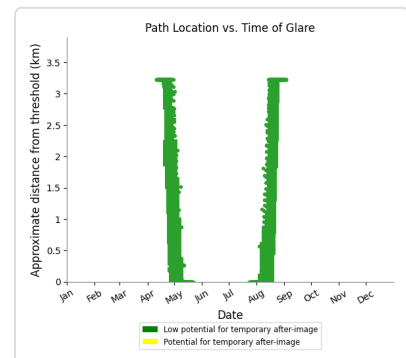
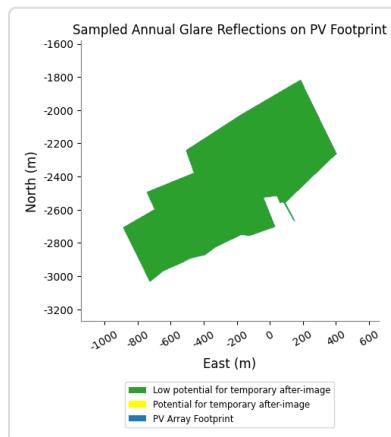
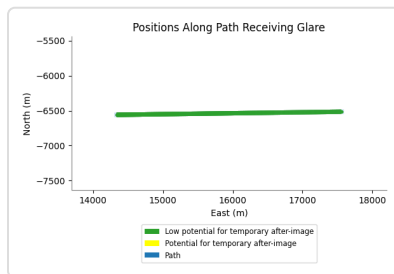
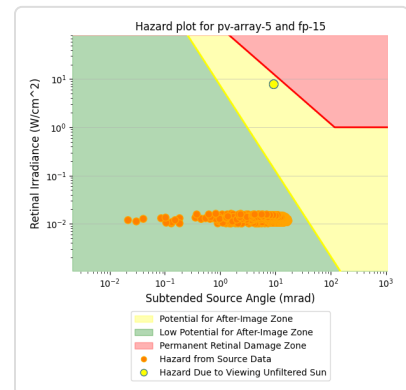
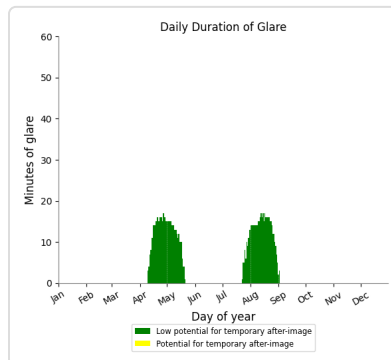
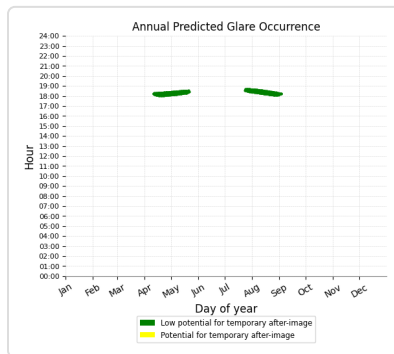
PV array 5 and Route: Route 4 - Heckington Road - south of Howell

No glare found

PV array 5 and FP: FP 15 - Boston East

Yellow glare: none

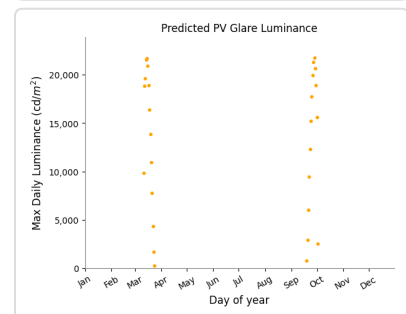
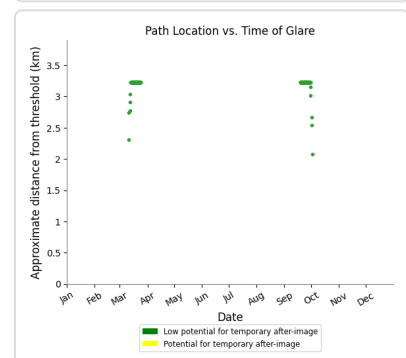
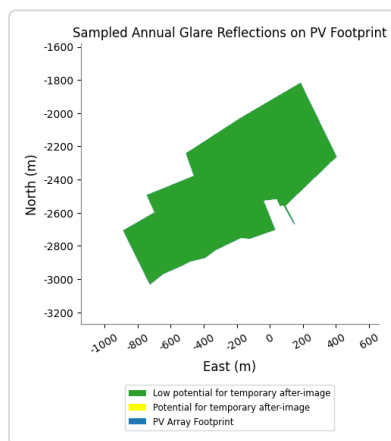
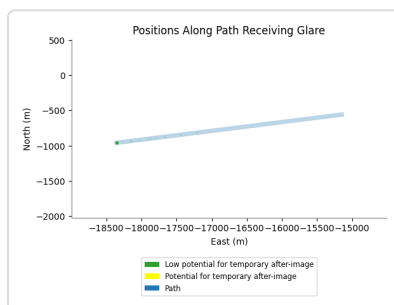
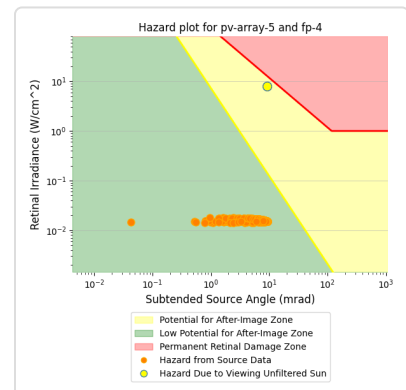
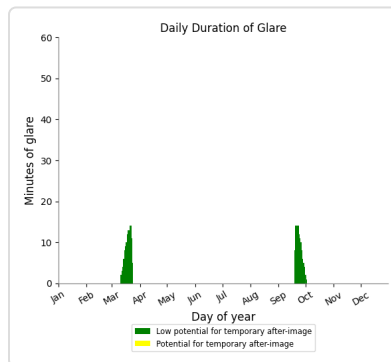
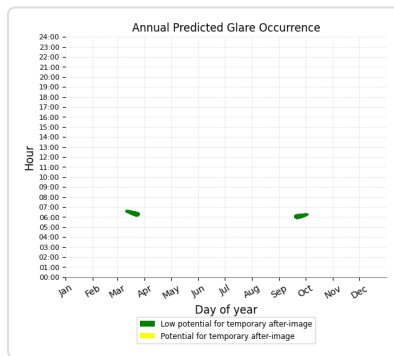
Green glare: 1,016 min.



PV array 5 and FP: FP 4 - RAF Cranwell West

Yellow glare: none

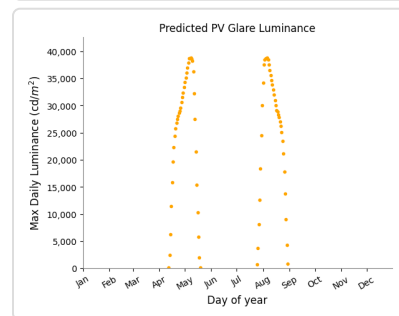
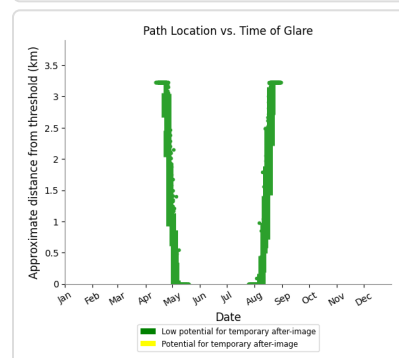
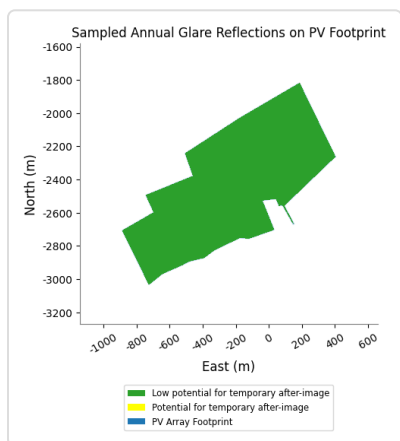
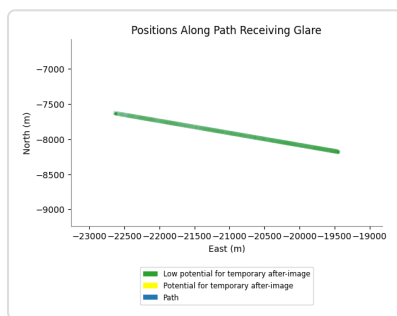
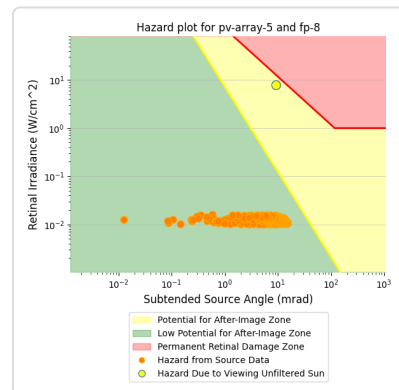
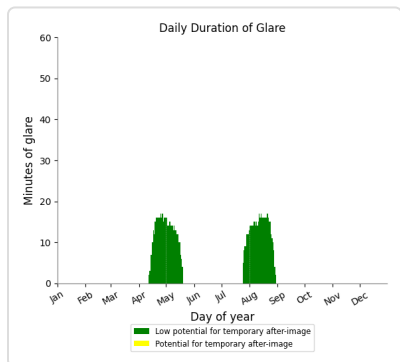
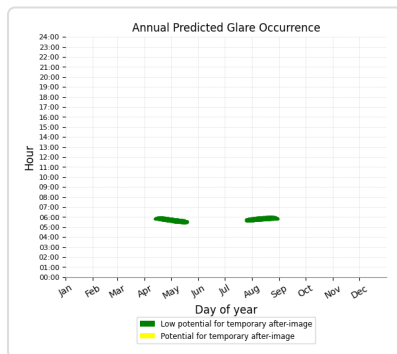
Green glare: 247 min.



PV array 5 and FP: FP 8 - RAF Barkston Heath NW

Yellow glare: none

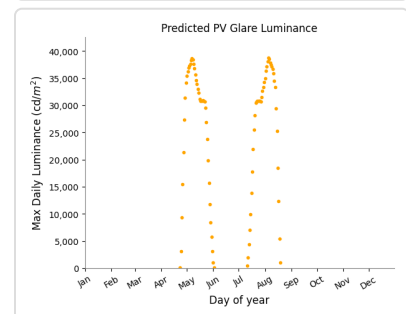
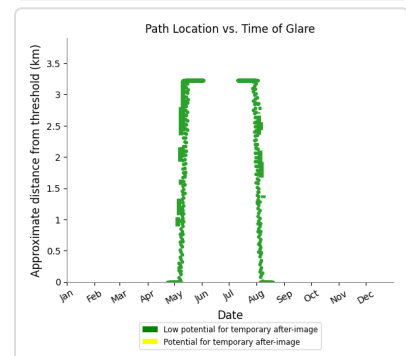
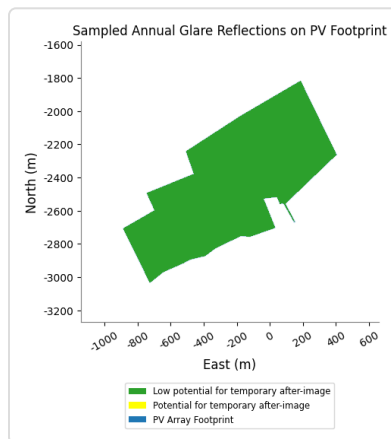
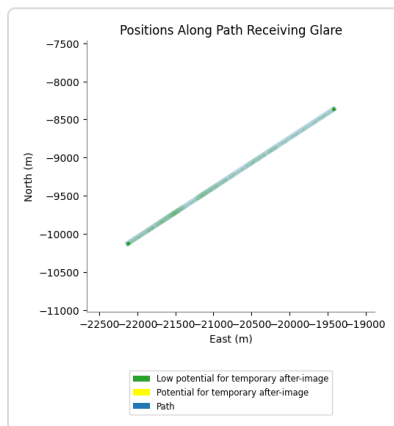
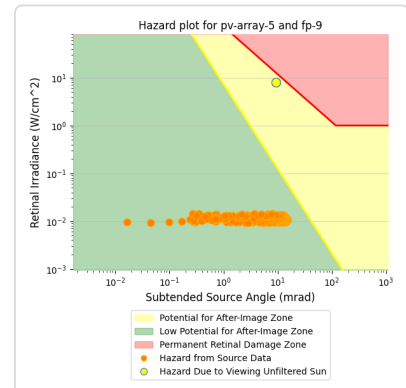
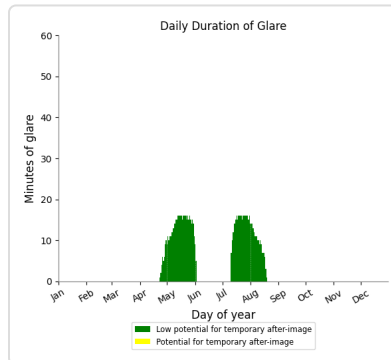
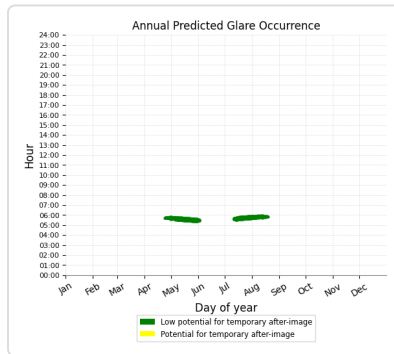
Green glare: 957 min.



PV array 5 and FP: FP 9 - RAF Barkston Heath SW

Yellow glare: none

Green glare: 982 min.



PV array 5 and FP: FP 10 - RAF Barkston Heath NE

No glare found

PV array 5 and FP: FP 11 - RAF Barkston Heath South

No glare found

PV array 5 and FP: FP 12 - RAF Barkston Heath North

No glare found

PV array 5 and FP: FP 13 - Anwick East

No glare found

PV array 5 and FP: FP 14 - Anwick West

No glare found

PV array 5 and FP: FP 16 - Boston West

No glare found

PV array 5 and FP: FP 17 - Waddington South

No glare found

PV array 5 and FP: FP 18 - Waddington North

No glare found

PV array 5 and FP: FP 19 - Griffins Farm East

No glare found

PV array 5 and FP: FP 1 - RAF Coningsby East

No glare found

PV array 5 and FP: FP 20 - Griffins Farm West

No glare found

PV array 5 and FP: FP 2 - RAF Coningsby West

No glare found

PV array 5 and FP: FP 3 - RAF Cranwell East

No glare found

PV array 5 and FP: FP 5 - RAF Cranwell South

No glare found

PV array 5 and FP: FP 6 - RAF Cranwell North

No glare found

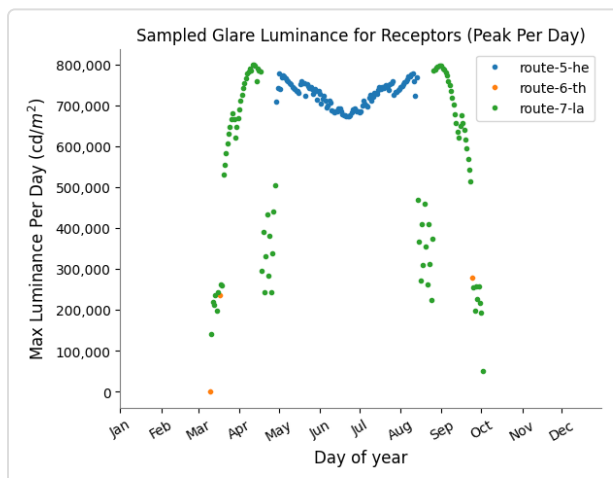
PV array 5 and FP: FP 7 - RAF Barkston Heath SE

No glare found

PV: PV array 6 potential temporary after-image

Receptor results ordered by category of glare

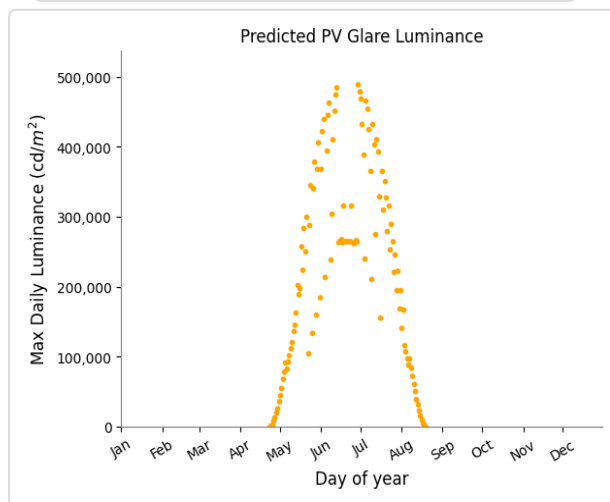
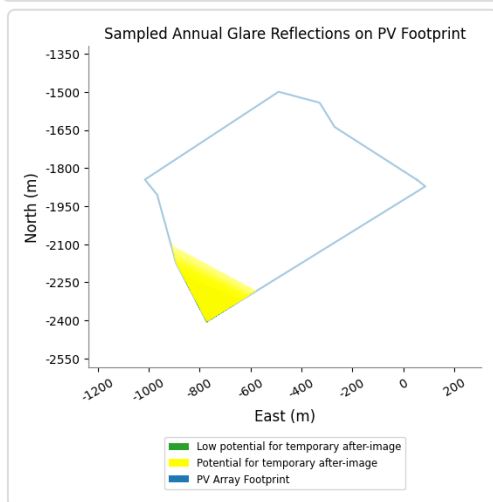
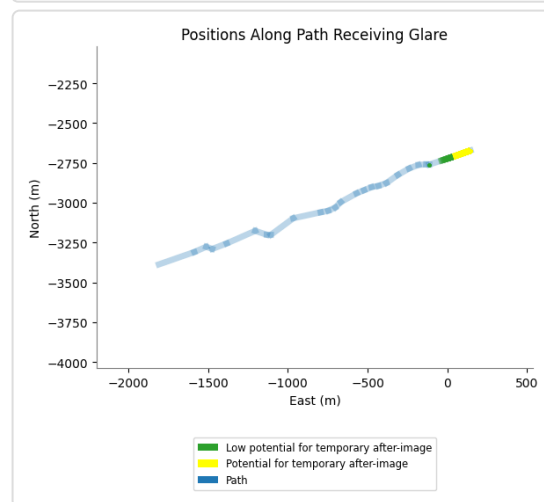
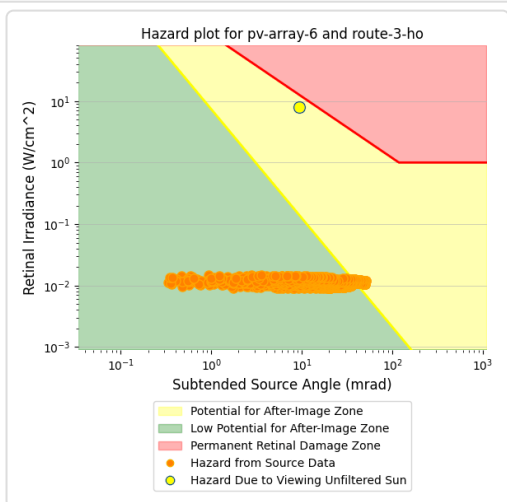
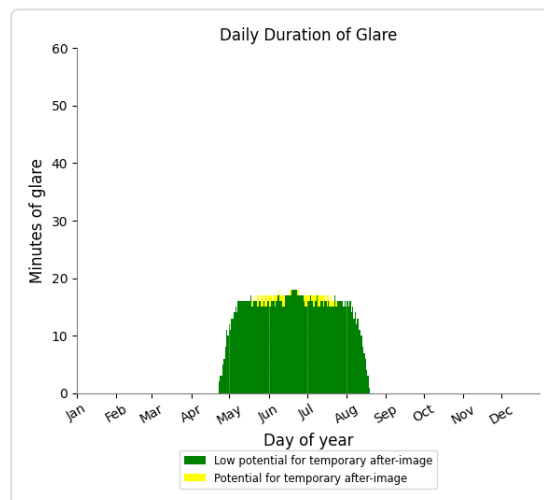
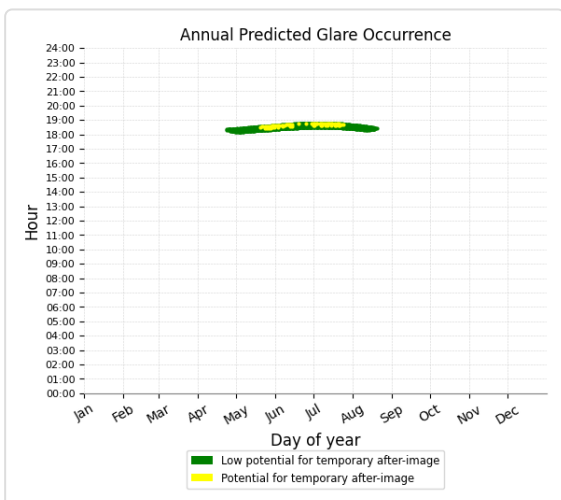
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
Route 3 - Howell Fen Drove	1,705	28.4	62	1.0	489,277
Route 5 - Heckington Road - north of Howell	1,077	17.9	2,398	40.0	801,489
Route 6 - Thorpe Road	1,480	24.7	1,909	31.8	755,325
Route 7 - Lane connected to Thorpe Road	1,469	24.5	1,914	31.9	798,336
Route 8 - Field Lane	975	16.2	464	7.7	388,562
Route 12 - Cow Drove	55	0.9	0	0.0	36,832
Route 9 - Littleworth Drove	799	13.3	0	0.0	180,016
Route 10 - Star Fen Road	0	0.0	0	0.0	0
Route 11 - Church Lane	0	0.0	0	0.0	0
Route 13 - Railway	0	0.0	0	0.0	0
Route 1 - A17	0	0.0	0	0.0	0
Route 2 - B1395	0	0.0	0	0.0	0
Route 4 - Heckington Road - south of Howell	0	0.0	0	0.0	0
FP 15 - Boston East	886	14.8	0	0.0	44,705
FP 4 - RAF Cranwell West	264	4.4	0	0.0	21,775
FP 8 - RAF Barkston Heath NW	1,238	20.6	0	0.0	29,985
FP 9 - RAF Barkston Heath SW	1,588	26.5	0	0.0	30,274
FP 10 - RAF Barkston Heath NE	0	0.0	0	0.0	0
FP 11 - RAF Barkston Heath South	0	0.0	0	0.0	0
FP 12 - RAF Barkston Heath North	0	0.0	0	0.0	0
FP 13 - Anwick East	0	0.0	0	0.0	0
FP 14 - Anwick West	0	0.0	0	0.0	0
FP 16 - Boston West	0	0.0	0	0.0	0
FP 17 - Waddington South	0	0.0	0	0.0	0
FP 18 - Waddington North	0	0.0	0	0.0	0
FP 19 - Griffins Farm East	0	0.0	0	0.0	0
FP 1 - RAF Coningsby East	0	0.0	0	0.0	0
FP 20 - Griffins Farm West	0	0.0	0	0.0	0
FP 2 - RAF Coningsby West	0	0.0	0	0.0	0
FP 3 - RAF Cranwell East	0	0.0	0	0.0	0
FP 5 - RAF Cranwell South	0	0.0	0	0.0	0
FP 6 - RAF Cranwell North	0	0.0	0	0.0	0
FP 7 - RAF Barkston Heath SE	0	0.0	0	0.0	0



PV array 6 and Route: Route 3 - Howell Fen Drove

Yellow glare: 62 min.

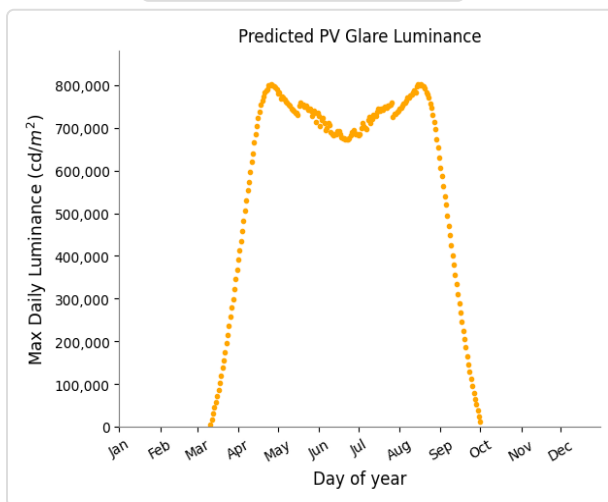
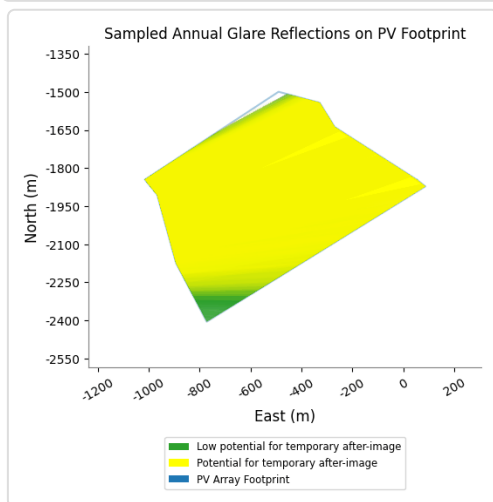
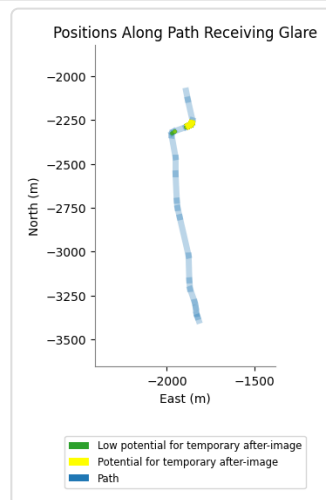
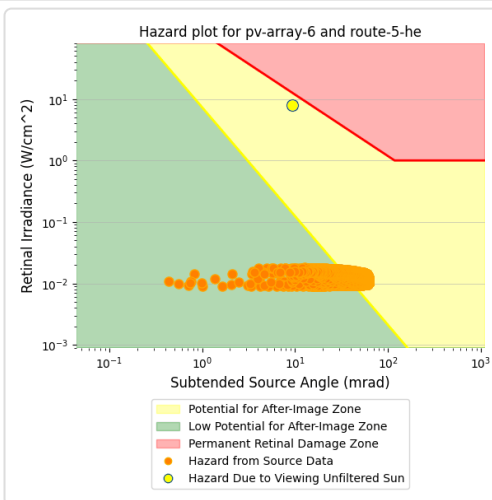
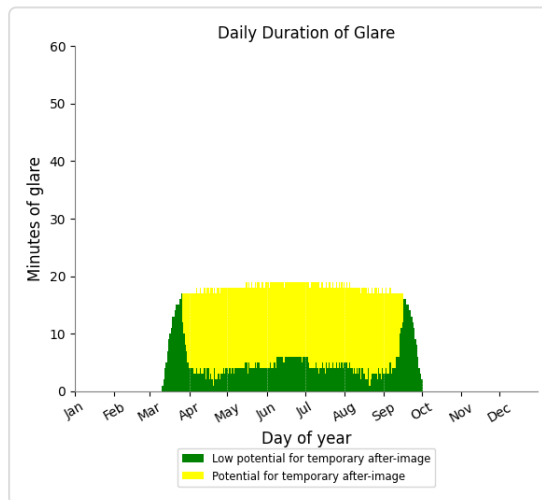
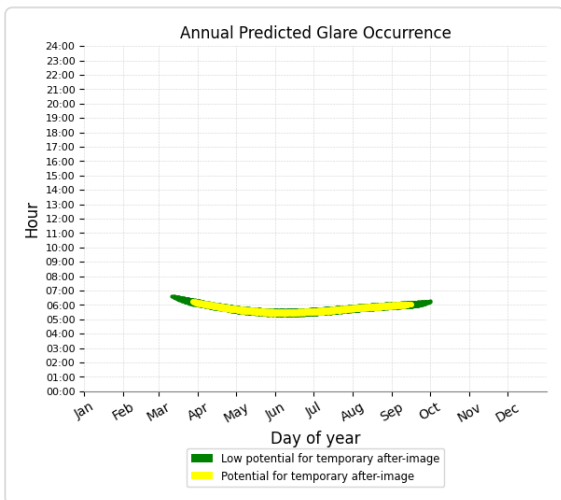
Green glare: 1,705 min.



PV array 6 and Route: Route 5 - Heckington Road - north of Howell

Yellow glare: 2,398 min.

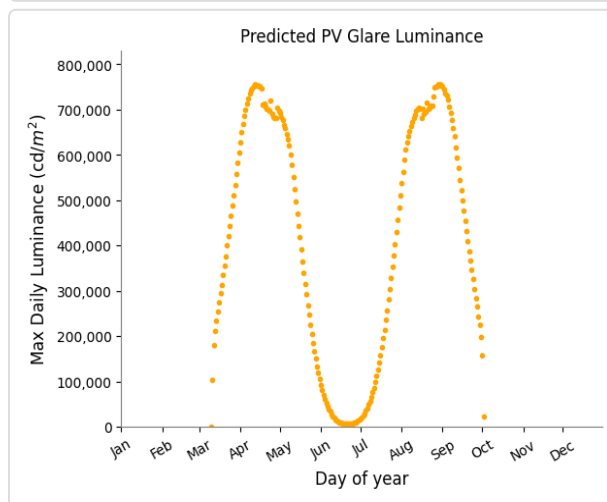
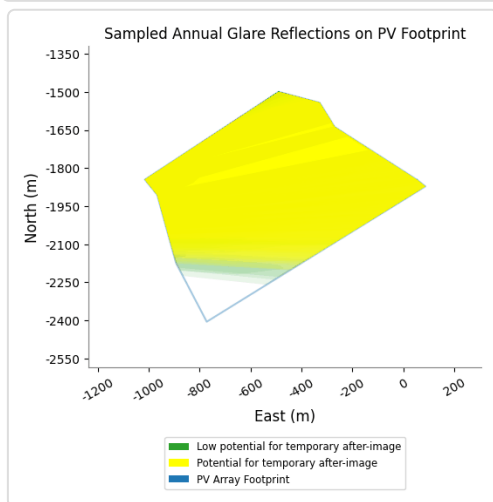
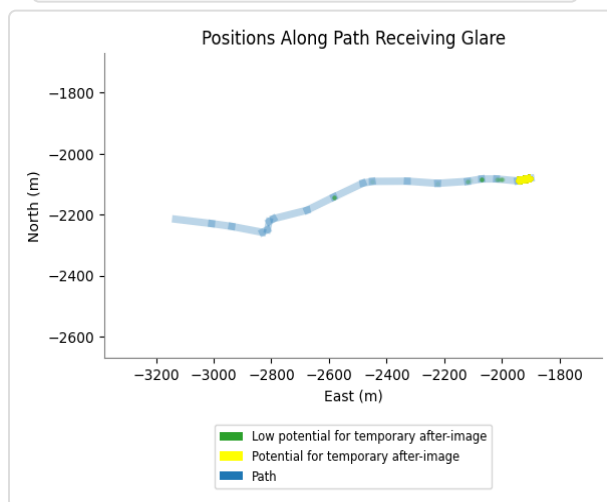
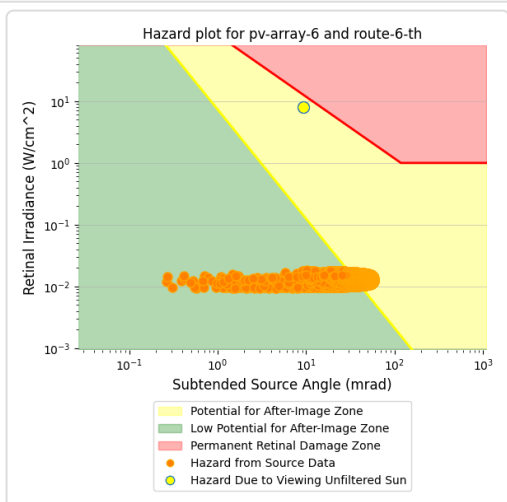
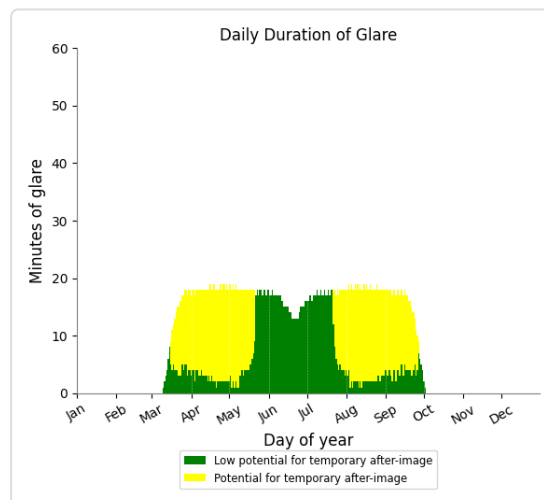
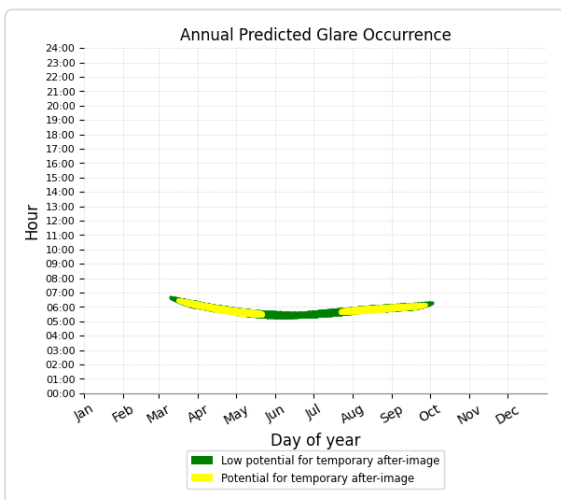
Green glare: 1,077 min.



PV array 6 and Route: Route 6 - Thorpe Road

Yellow glare: 1,909 min.

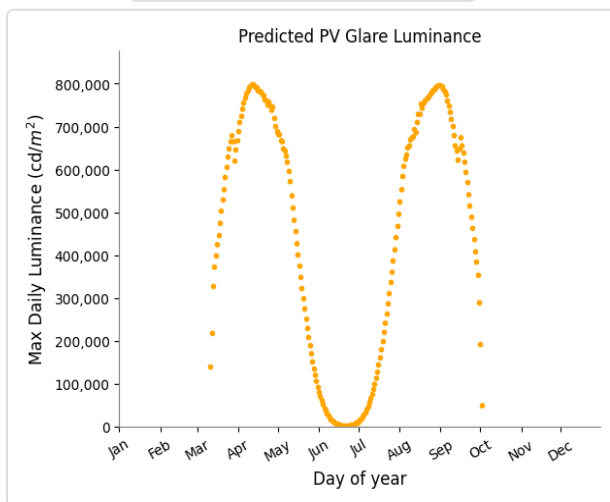
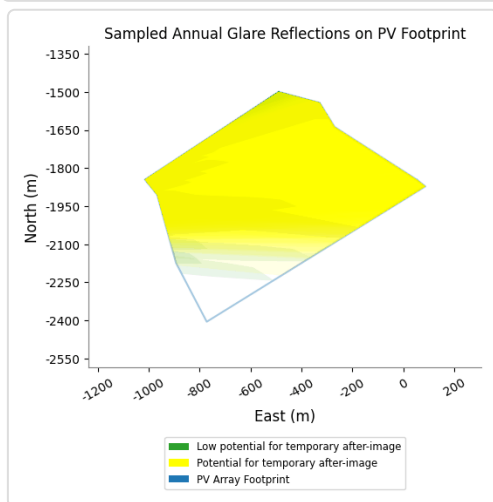
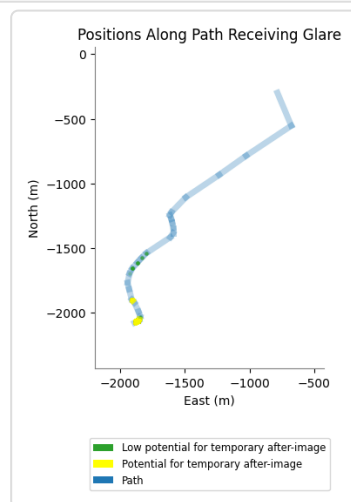
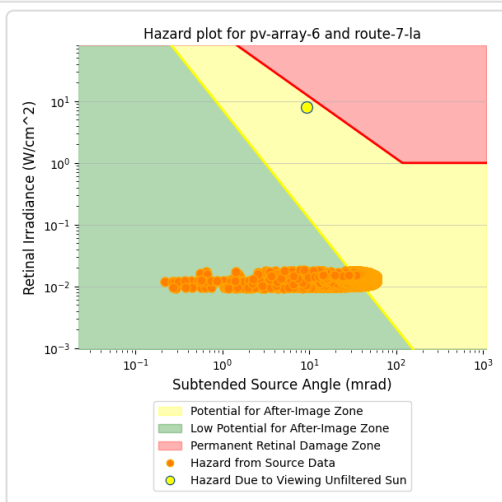
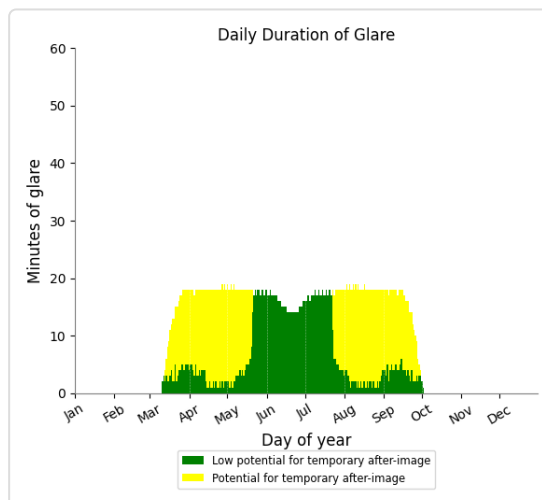
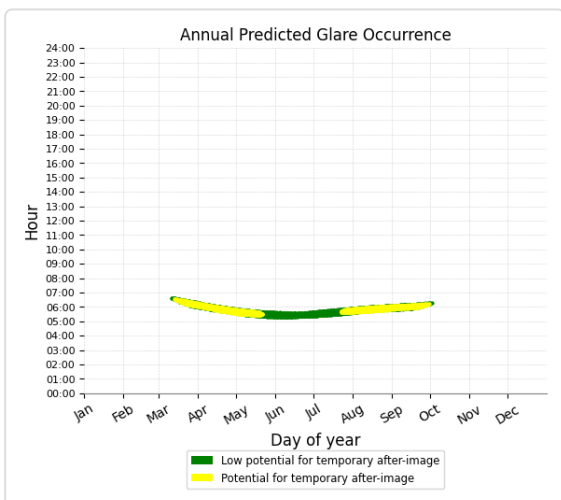
Green glare: 1,480 min.



PV array 6 and Route: Route 7 - Lane connected to Thorpe Road

Yellow glare: 1,914 min.

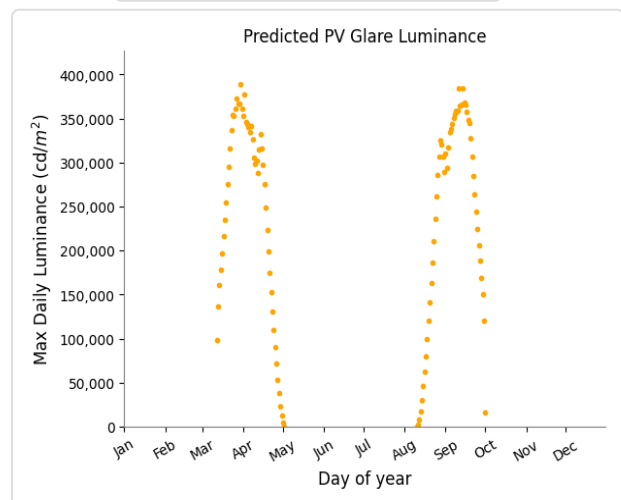
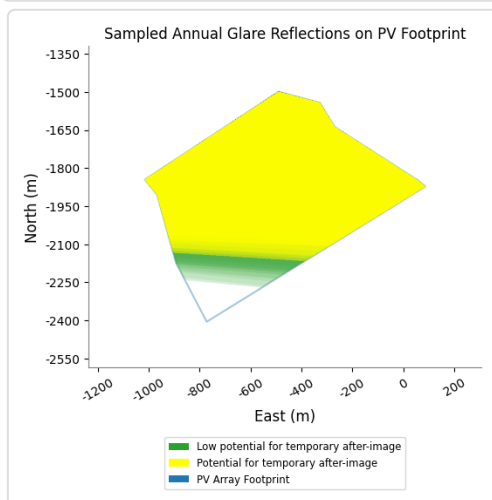
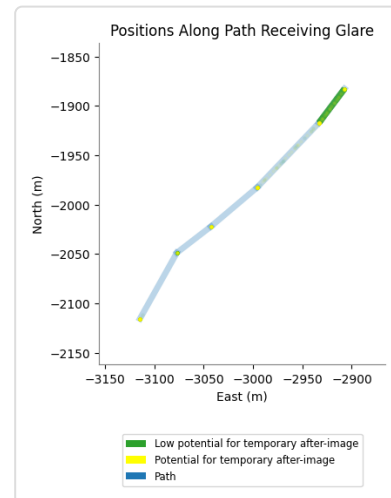
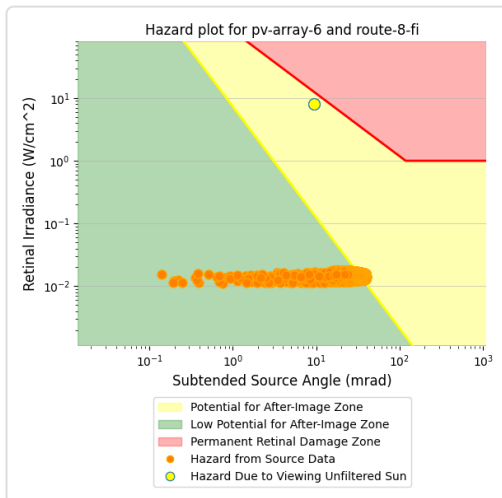
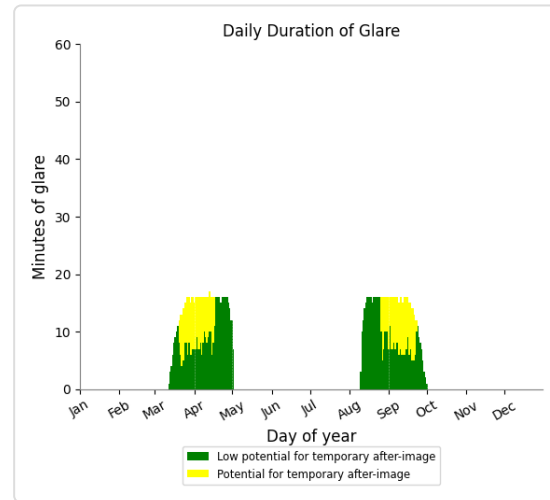
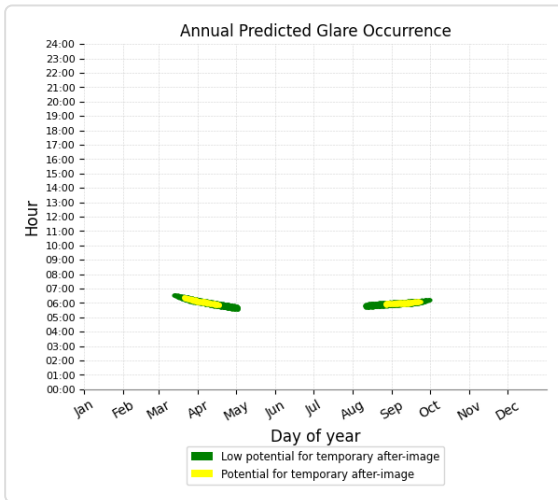
Green glare: 1,469 min.



PV array 6 and Route: Route 8 - Field Lane

Yellow glare: 464 min.

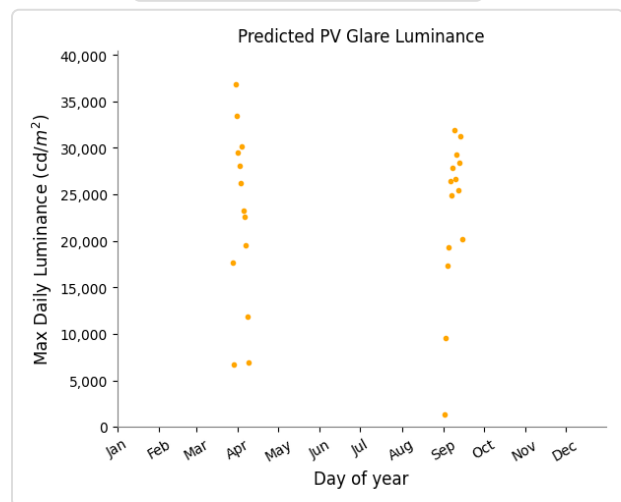
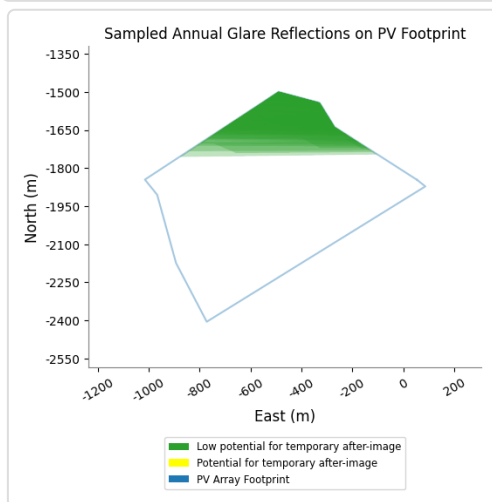
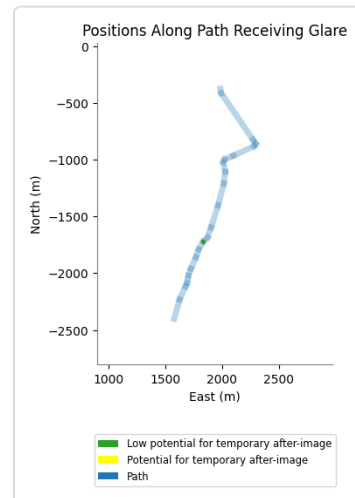
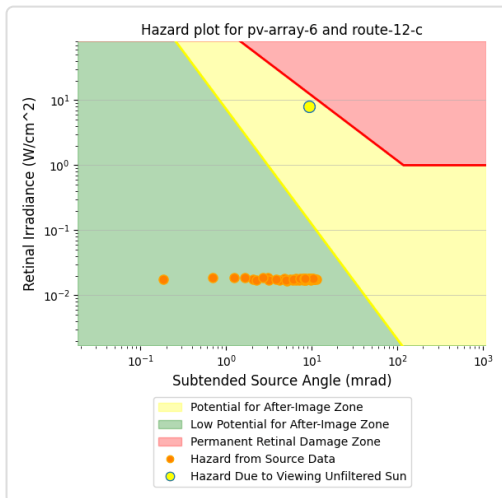
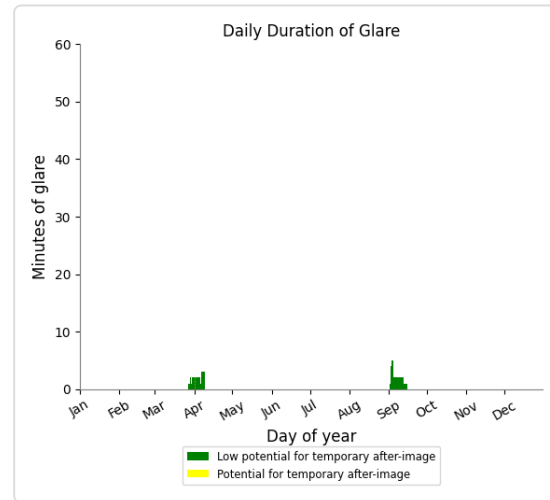
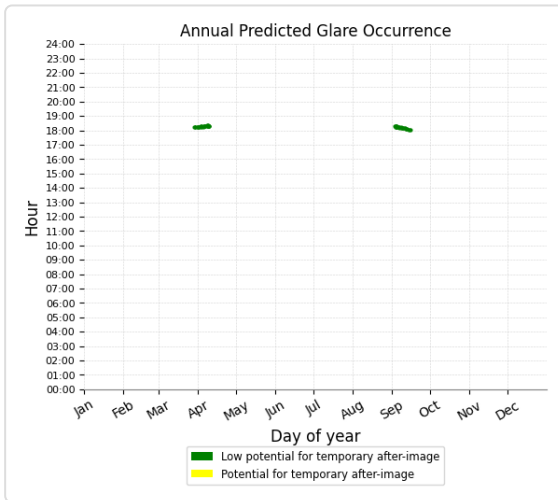
Green glare: 975 min.



PV array 6 and Route: Route 12 - Cow Drove

Yellow glare: none

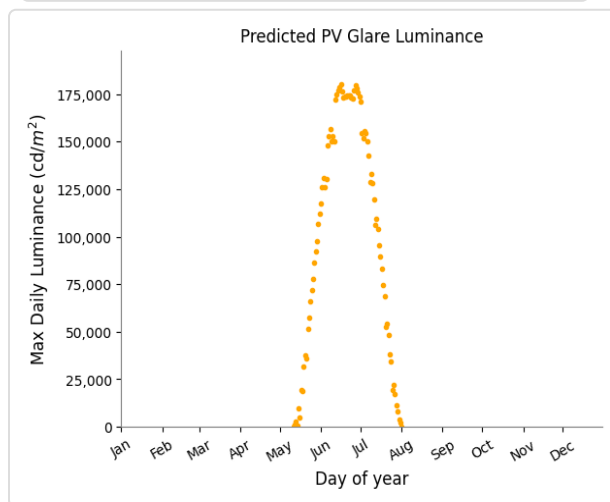
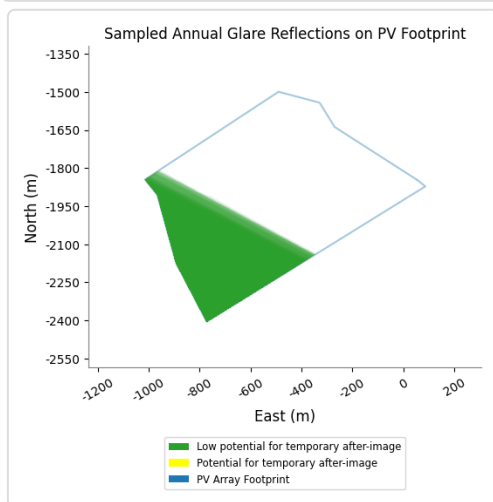
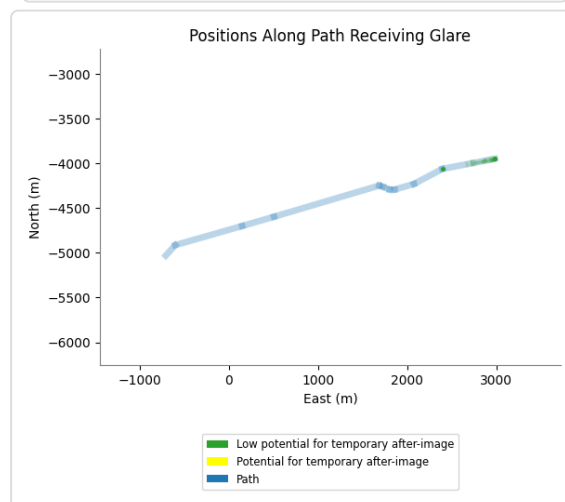
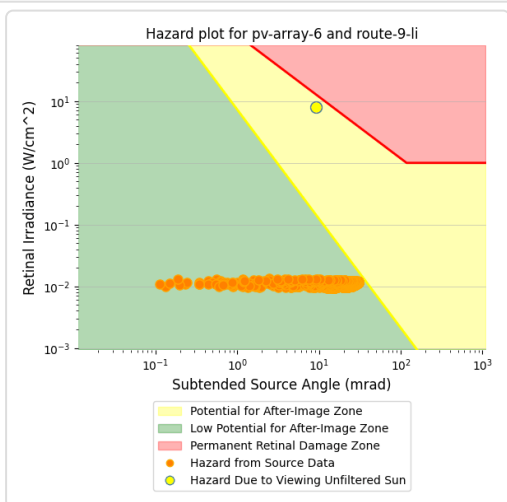
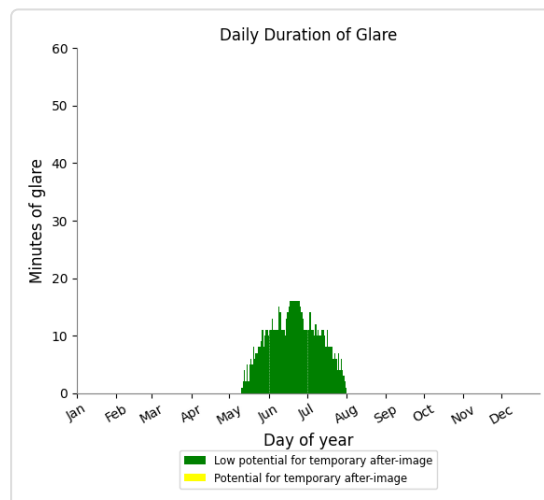
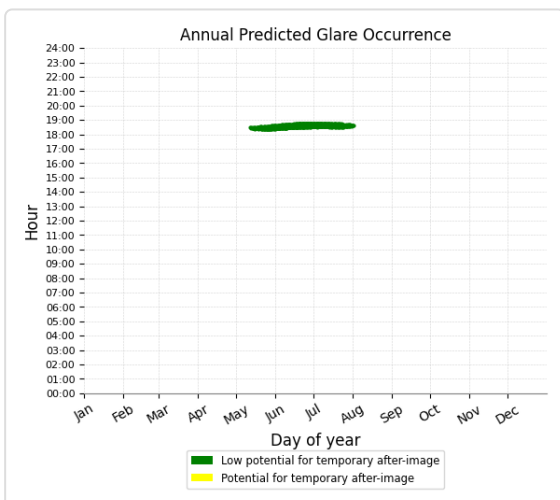
Green glare: 55 min.



PV array 6 and Route: Route 9 - Littleworth Drove

Yellow glare: none

Green glare: 799 min.



PV array 6 and Route: Route 10 - Star Fen Road

No glare found

PV array 6 and Route: Route 11 - Church Lane

No glare found

PV array 6 and Route: Route 13 - Railway

No glare found

PV array 6 and Route: Route 1 - A17

No glare found

PV array 6 and Route: Route 2 - B1395

No glare found

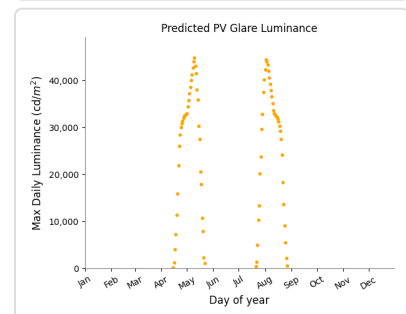
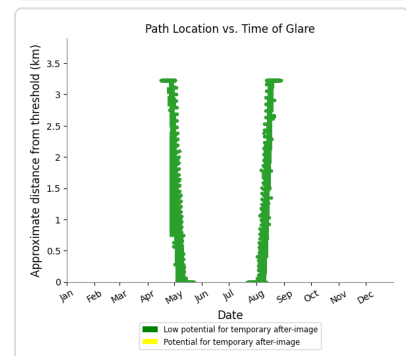
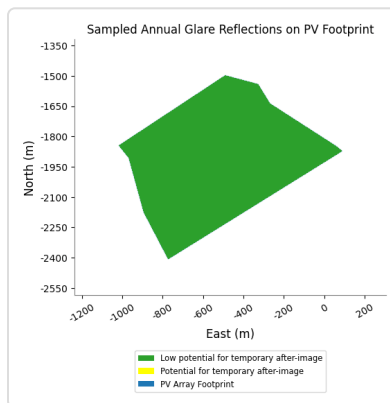
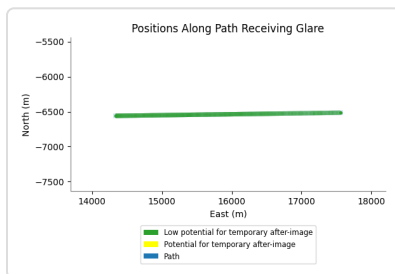
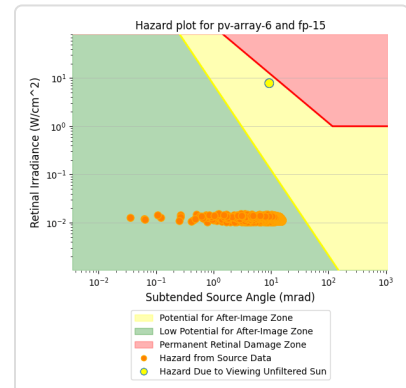
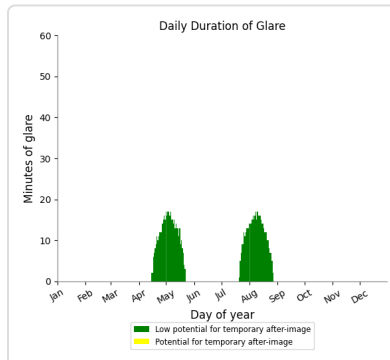
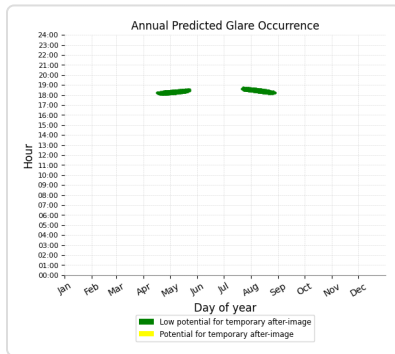
PV array 6 and Route: Route 4 - Heckington Road - south of Howell

No glare found

PV array 6 and FP: FP 15 - Boston East

Yellow glare: none

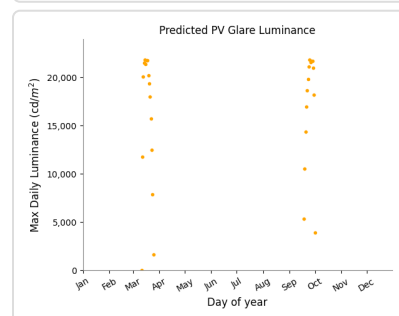
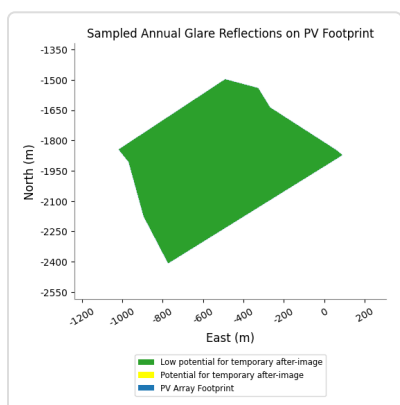
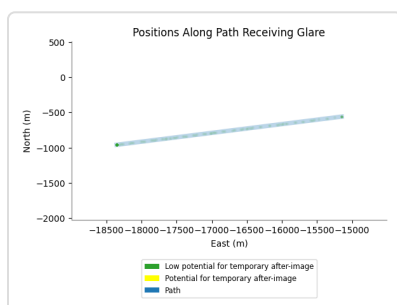
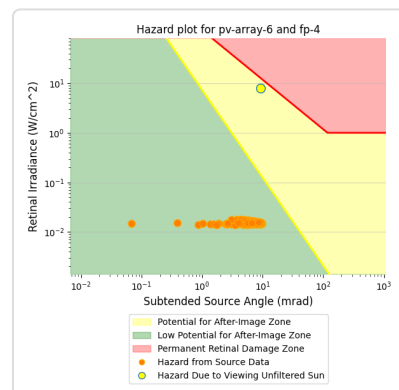
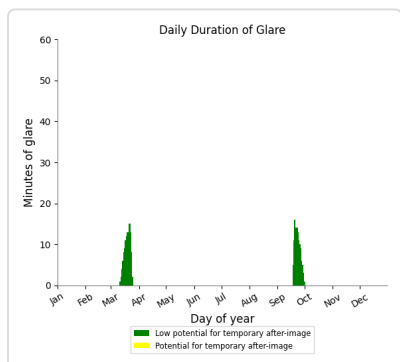
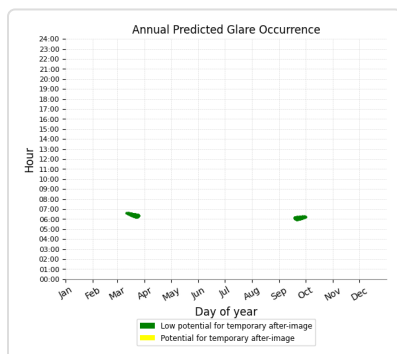
Green glare: 886 min.



PV array 6 and FP: FP 4 - RAF Cranwell West

Yellow glare: none

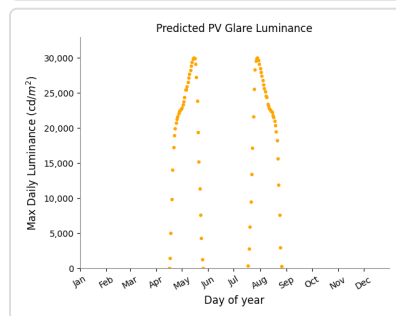
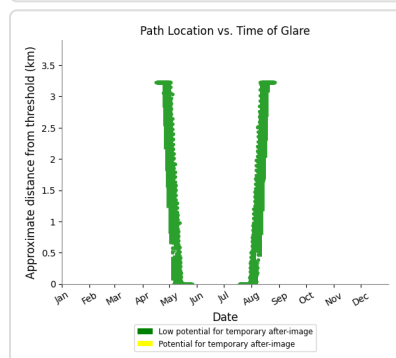
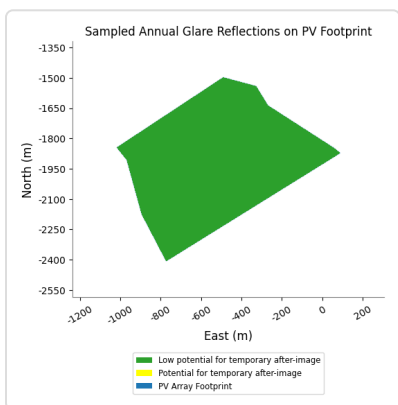
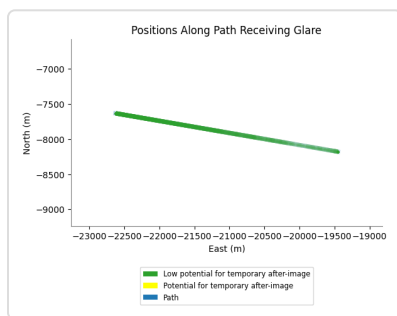
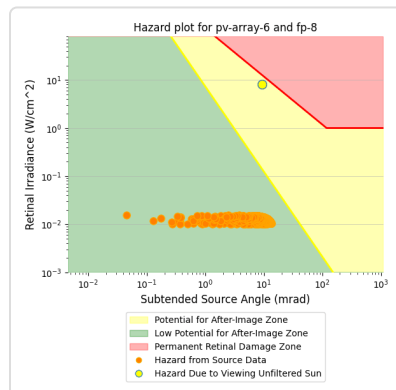
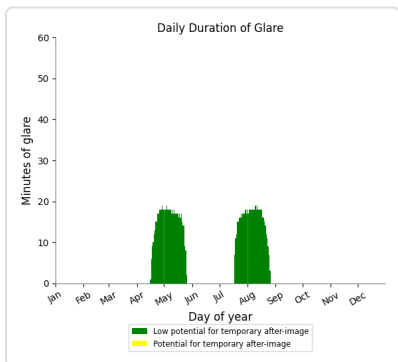
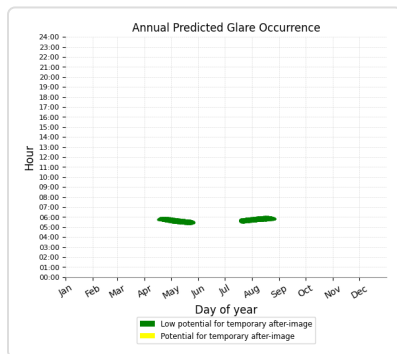
Green glare: 264 min.



PV array 6 and FP: FP 8 - RAF Barkston Heath NW

Yellow glare: none

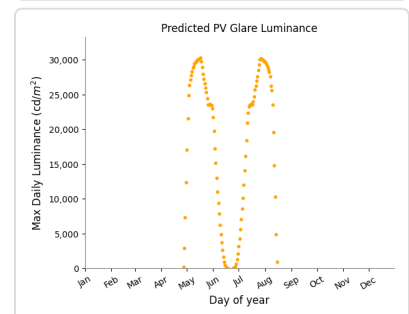
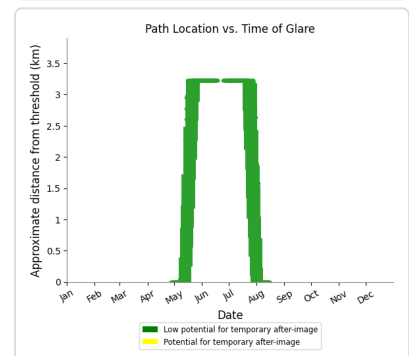
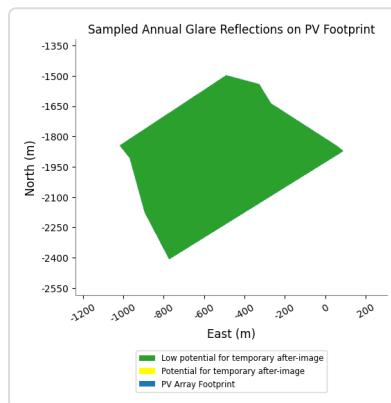
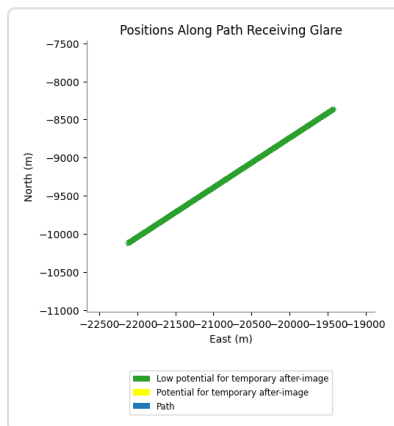
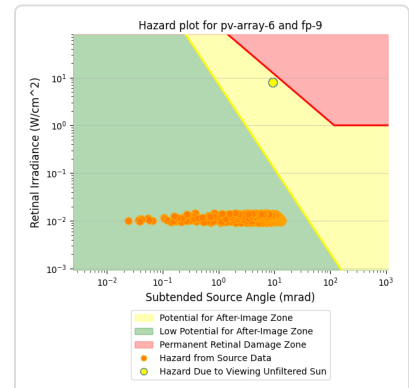
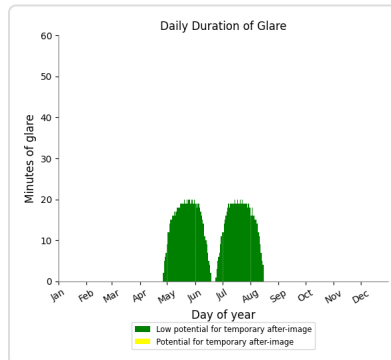
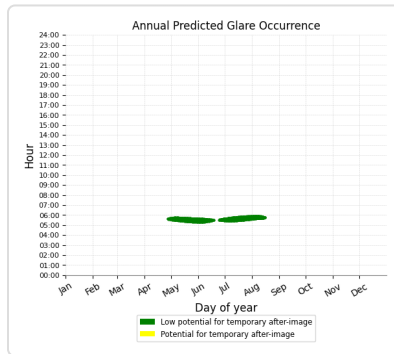
Green glare: 1,238 min.



PV array 6 and FP: FP 9 - RAF Barkston Heath SW

Yellow glare: none

Green glare: 1,588 min.



PV array 6 and FP: FP 10 - RAF Barkston Heath NE

No glare found

PV array 6 and FP: FP 11 - RAF Barkston Heath South

No glare found

PV array 6 and FP: FP 12 - RAF Barkston Heath North

No glare found

PV array 6 and FP: FP 13 - Anwick East

No glare found

PV array 6 and FP: FP 14 - Anwick West

No glare found

PV array 6 and FP: FP 16 - Boston West

No glare found

PV array 6 and FP: FP 17 - Waddington South

No glare found

PV array 6 and FP: FP 18 - Waddington North

No glare found

PV array 6 and FP: FP 19 - Griffins Farm East

No glare found

PV array 6 and FP: FP 1 - RAF Coningsby East

No glare found

PV array 6 and FP: FP 20 - Griffins Farm West

No glare found

PV array 6 and FP: FP 2 - RAF Coningsby West

No glare found

PV array 6 and FP: FP 3 - RAF Cranwell East

No glare found

PV array 6 and FP: FP 5 - RAF Cranwell South

No glare found

PV array 6 and FP: FP 6 - RAF Cranwell North

No glare found

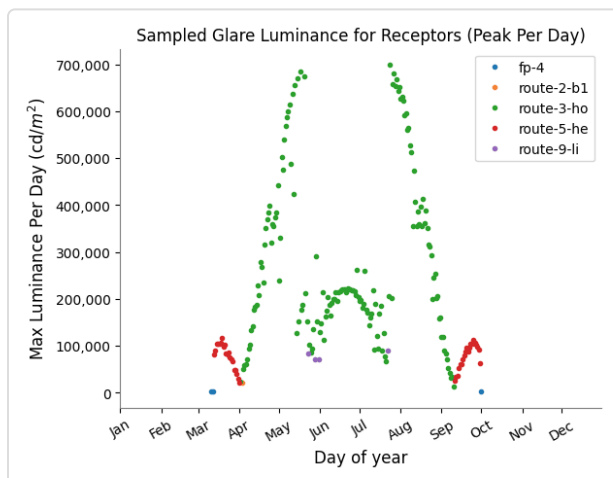
PV array 6 and FP: FP 7 - RAF Barkston Heath SE

No glare found

PV: PV array 7 potential temporary after-image

Receptor results ordered by category of glare

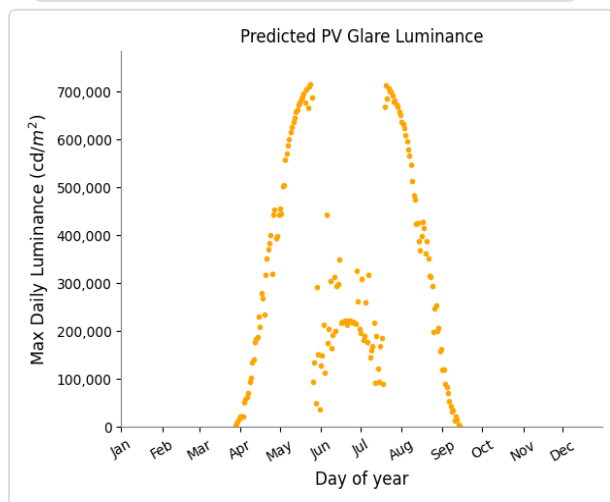
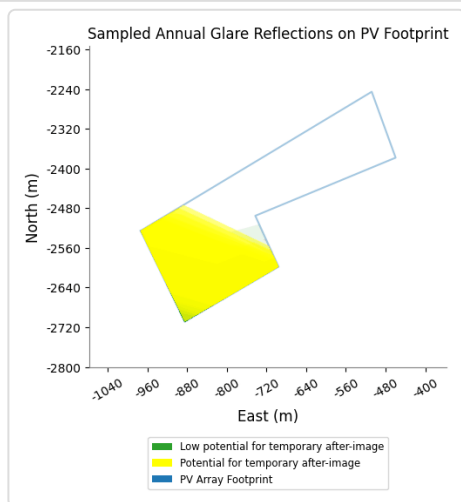
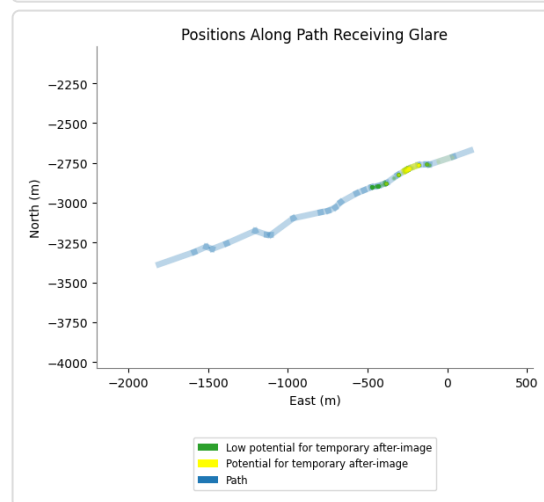
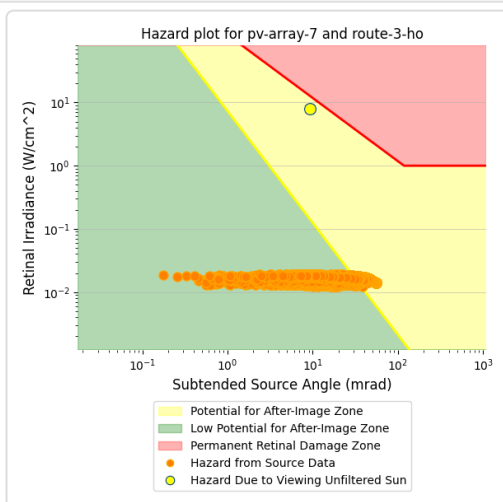
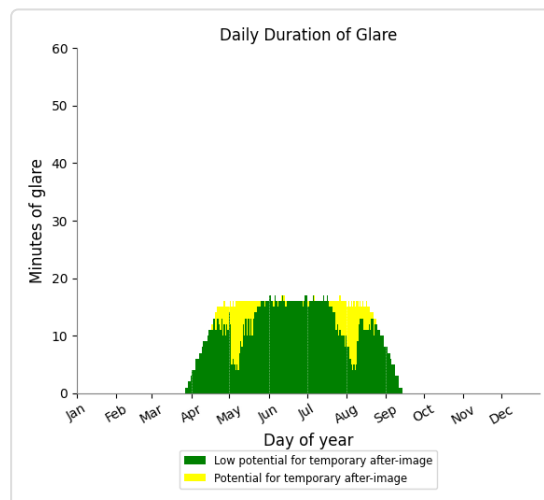
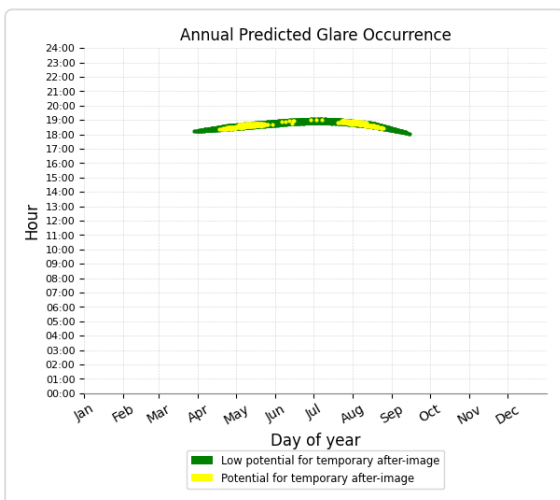
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
Route 3 - Howell Fen Drove	1,922	32.0	377	6.3	713,618
Route 10 - Star Fen Road	301	5.0	0	0.0	5,149
Route 2 - B1395	587	9.8	0	0.0	96,351
Route 5 - Heckington Road - north of Howell	526	8.8	0	0.0	116,180
Route 6 - Thorpe Road	369	6.2	0	0.0	48,832
Route 8 - Field Lane	63	1.1	0	0.0	10,833
Route 9 - Littleworth Drove	1,266	21.1	0	0.0	112,252
Route 11 - Church Lane	0	0.0	0	0.0	0
Route 12 - Cow Drove	0	0.0	0	0.0	0
Route 13 - Railway	0	0.0	0	0.0	0
Route 1 - A17	0	0.0	0	0.0	0
Route 4 - Heckington Road - south of Howell	0	0.0	0	0.0	0
Route 7 - Lane connected to Thorpe Road	0	0.0	0	0.0	0
FP 15 - Boston East	630	10.5	0	0.0	8,216
FP 4 - RAF Cranwell West	163	2.7	0	0.0	3,275
FP 8 - RAF Barkston Heath NW	944	15.7	0	0.0	5,620
FP 9 - RAF Barkston Heath SW	920	15.3	0	0.0	5,630
FP 10 - RAF Barkston Heath NE	0	0.0	0	0.0	0
FP 11 - RAF Barkston Heath South	0	0.0	0	0.0	0
FP 12 - RAF Barkston Heath North	0	0.0	0	0.0	0
FP 13 - Anwick East	0	0.0	0	0.0	0
FP 14 - Anwick West	0	0.0	0	0.0	0
FP 16 - Boston West	0	0.0	0	0.0	0
FP 17 - Waddington South	0	0.0	0	0.0	0
FP 18 - Waddington North	0	0.0	0	0.0	0
FP 19 - Griffins Farm East	0	0.0	0	0.0	0
FP 1 - RAF Coningsby East	0	0.0	0	0.0	0
FP 20 - Griffins Farm West	0	0.0	0	0.0	0
FP 2 - RAF Coningsby West	0	0.0	0	0.0	0
FP 3 - RAF Cranwell East	0	0.0	0	0.0	0
FP 5 - RAF Cranwell South	0	0.0	0	0.0	0
FP 6 - RAF Cranwell North	0	0.0	0	0.0	0
FP 7 - RAF Barkston Heath SE	0	0.0	0	0.0	0



PV array 7 and Route: Route 3 - Howell Fen Drove

Yellow glare: 377 min.

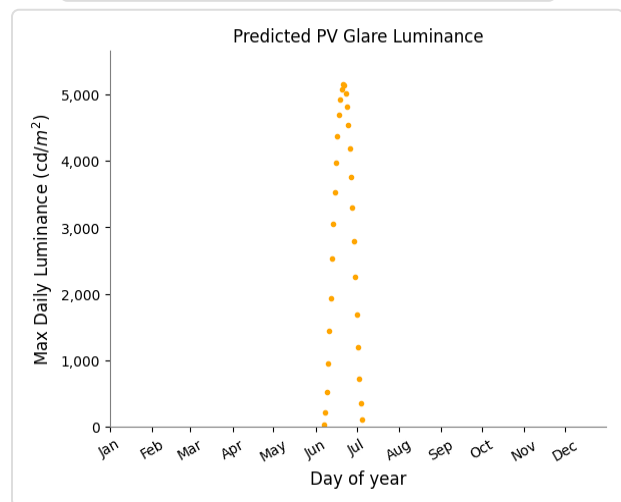
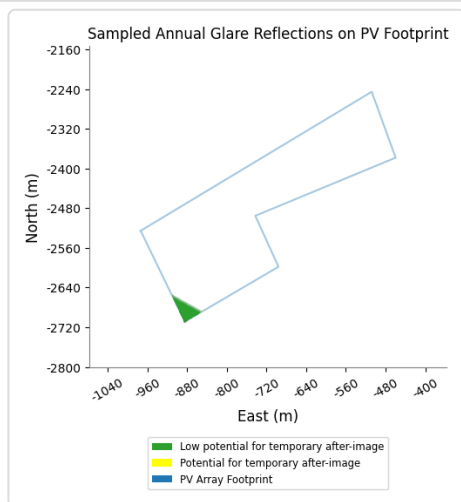
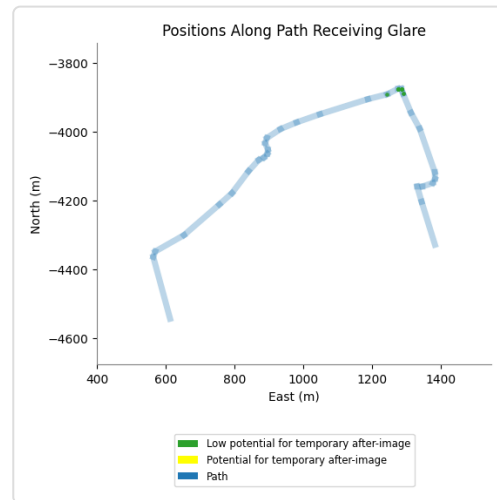
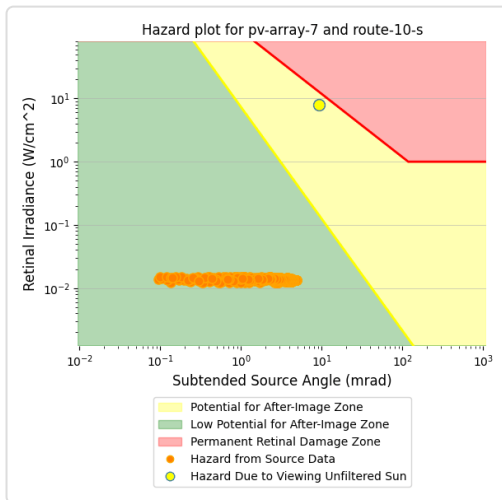
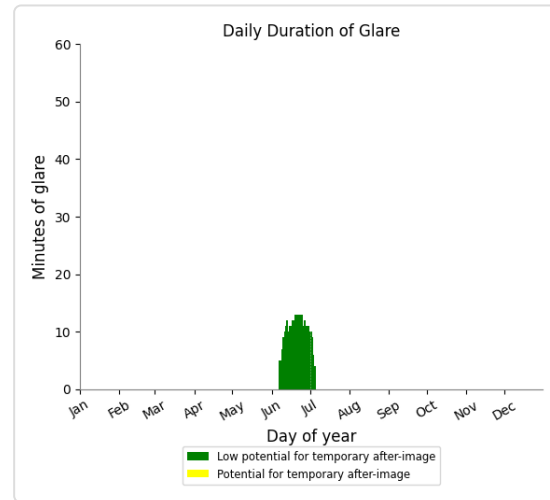
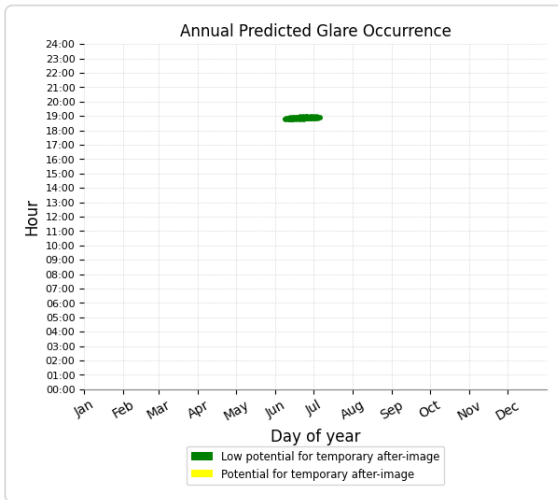
Green glare: 1,922 min.



PV array 7 and Route: Route 10 - Star Fen Road

Yellow glare: none

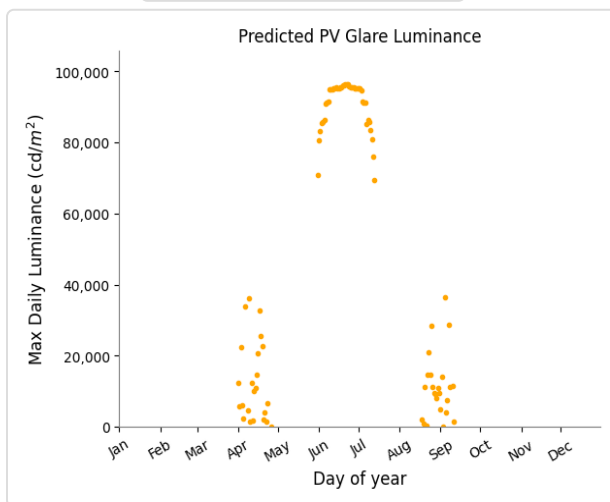
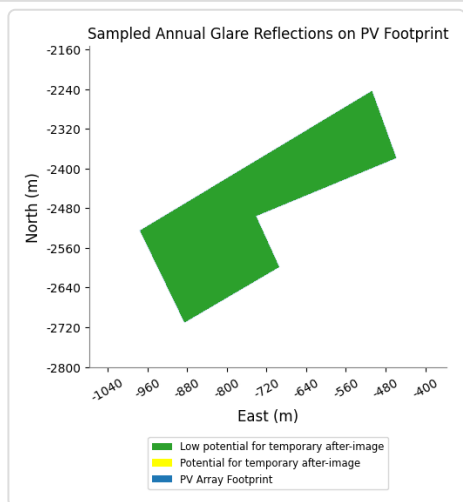
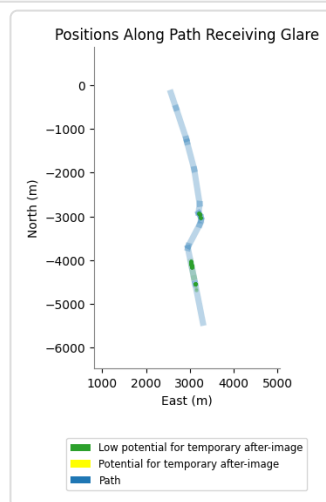
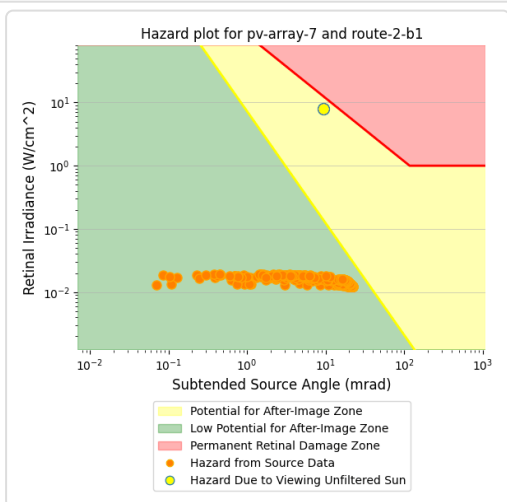
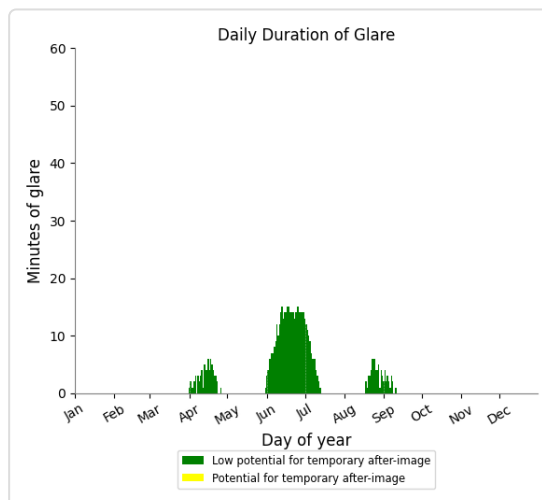
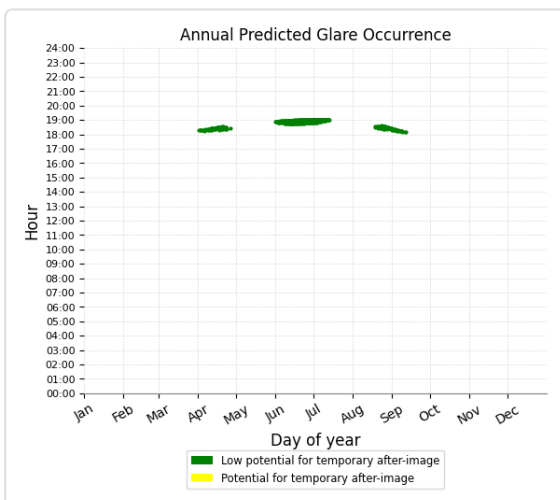
Green glare: 301 min.



PV array 7 and Route: Route 2 - B1395

Yellow glare: none

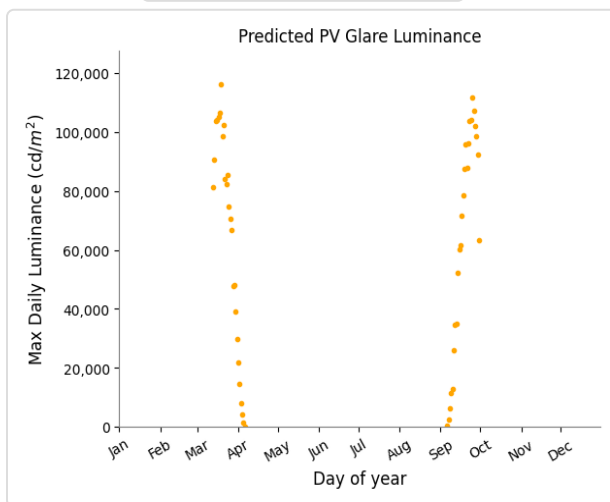
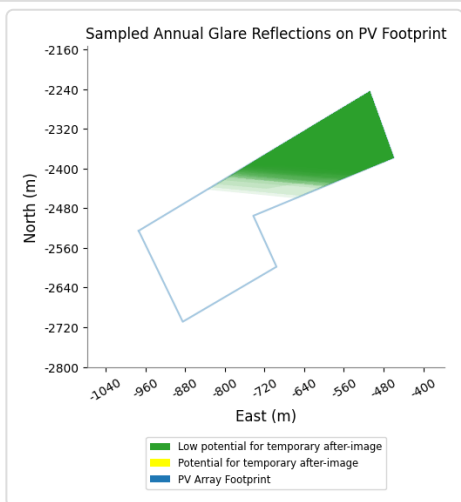
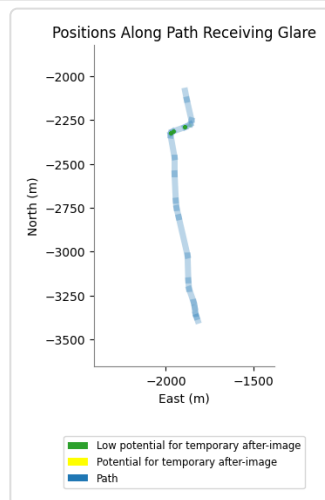
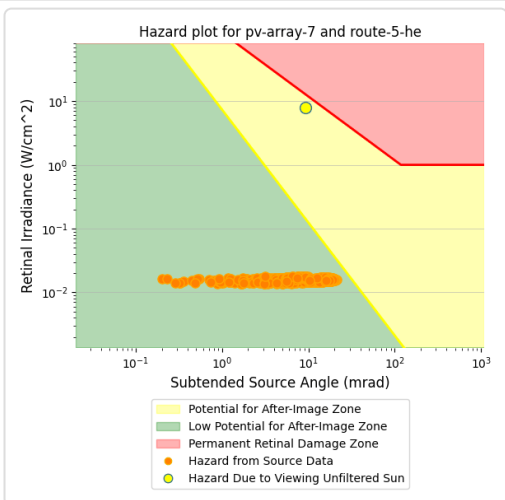
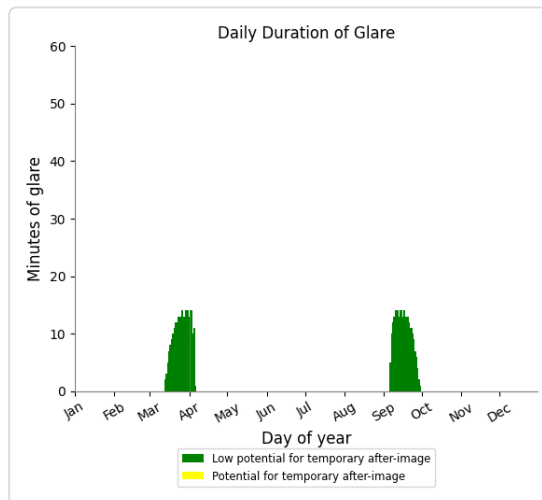
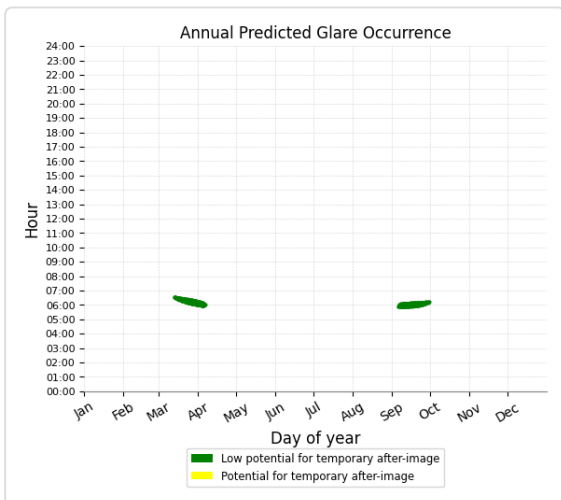
Green glare: 587 min.



PV array 7 and Route: Route 5 - Heckington Road - north of Howell

Yellow glare: none

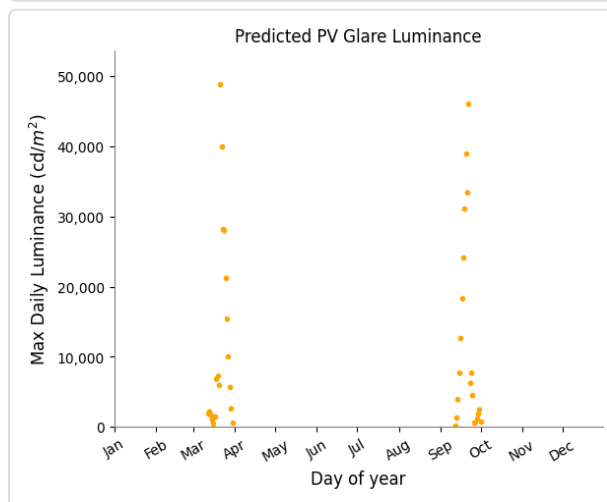
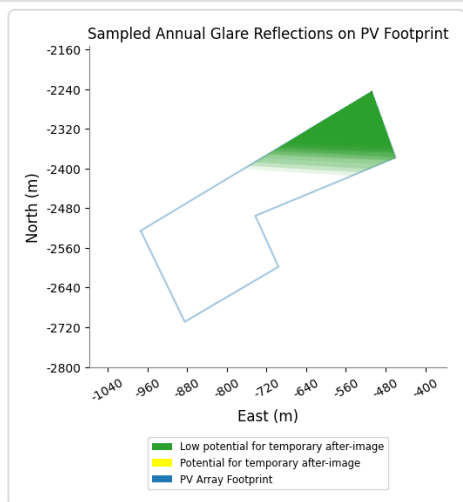
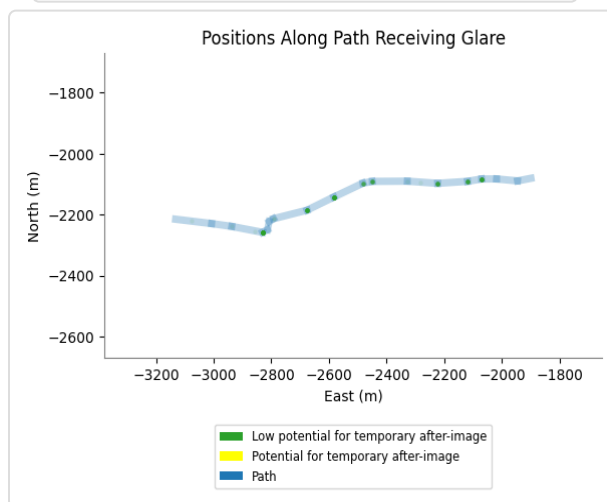
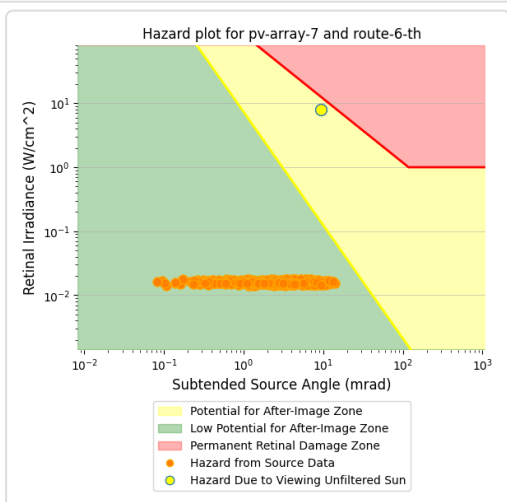
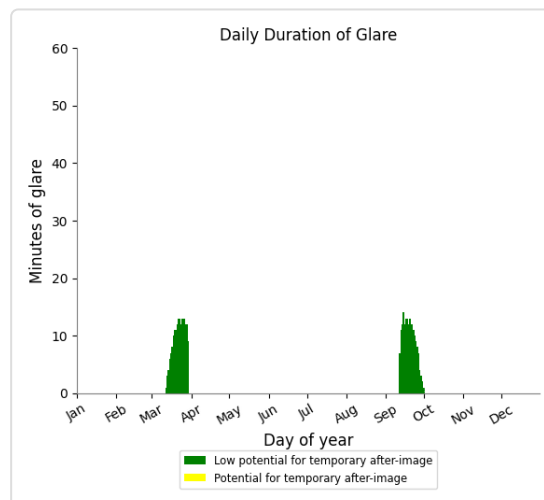
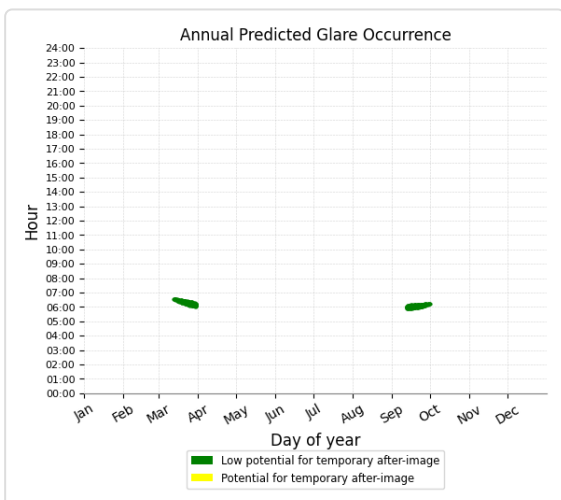
Green glare: 526 min.



PV array 7 and Route: Route 6 - Thorpe Road

Yellow glare: none

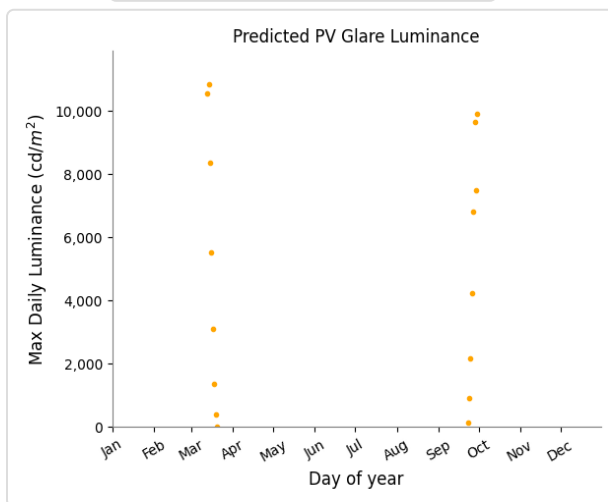
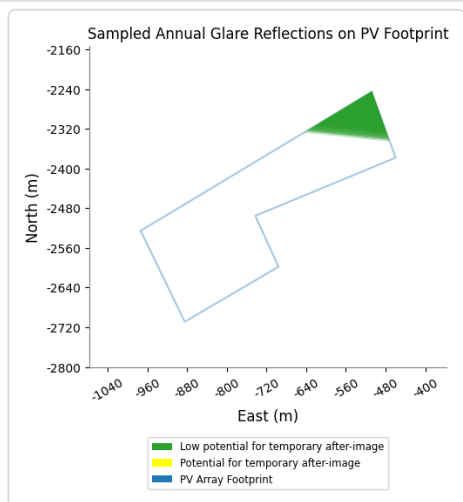
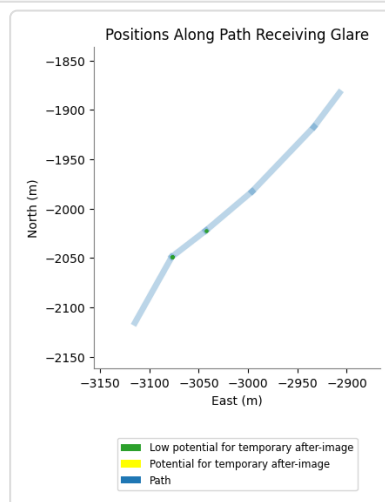
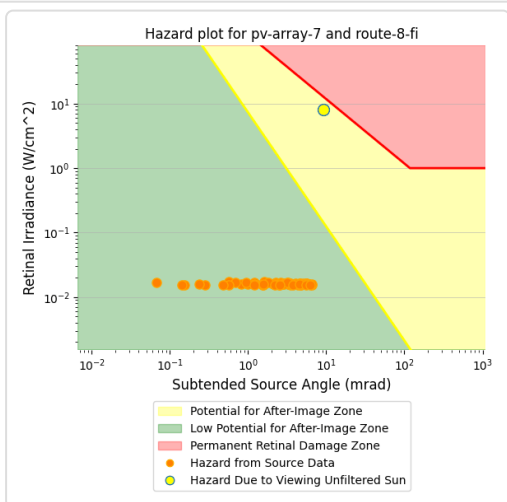
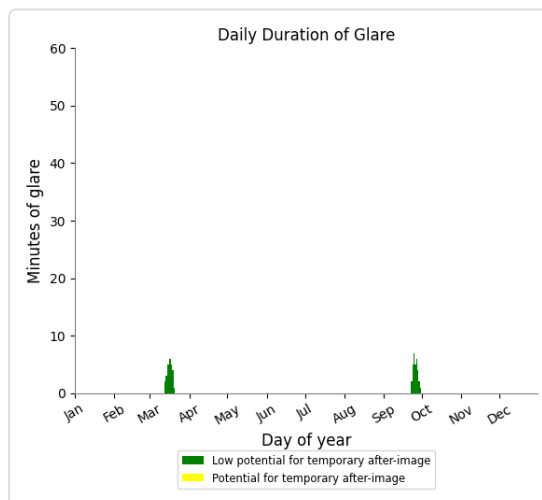
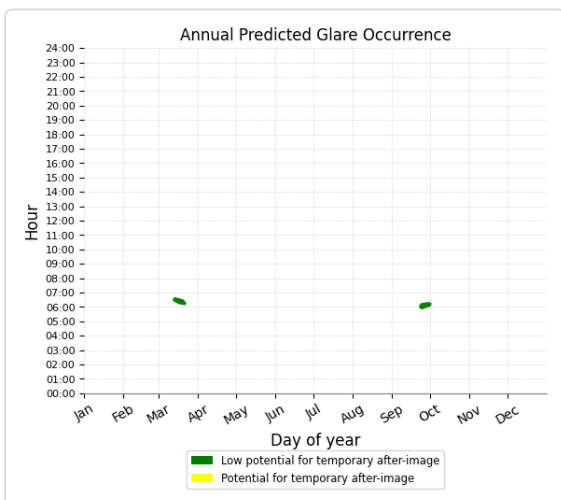
Green glare: 369 min.



PV array 7 and Route: Route 8 - Field Lane

Yellow glare: none

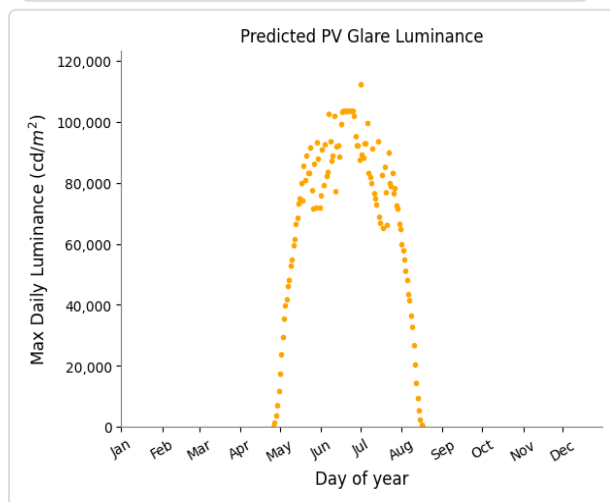
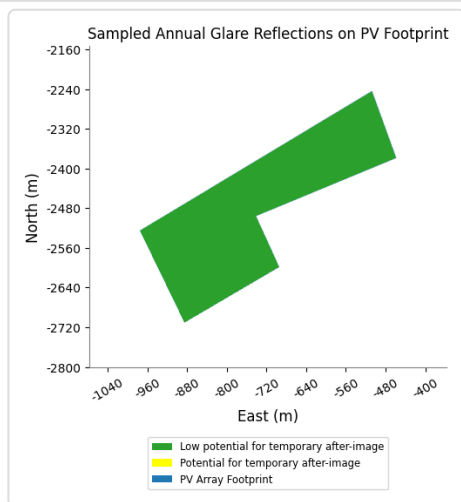
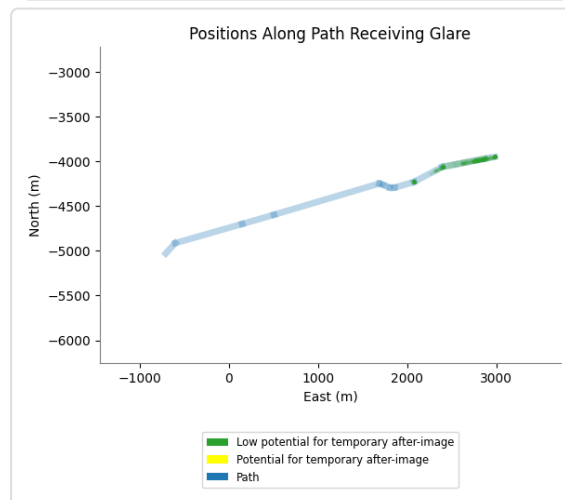
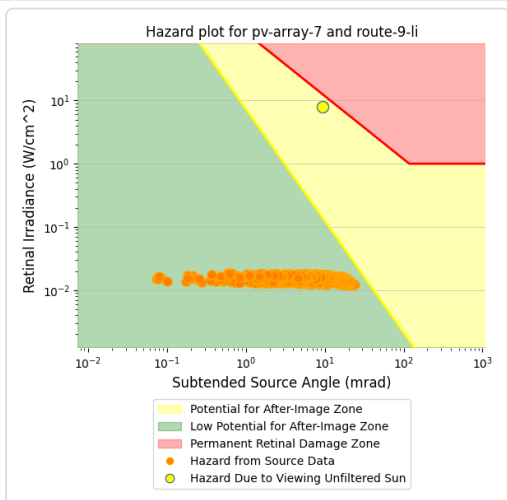
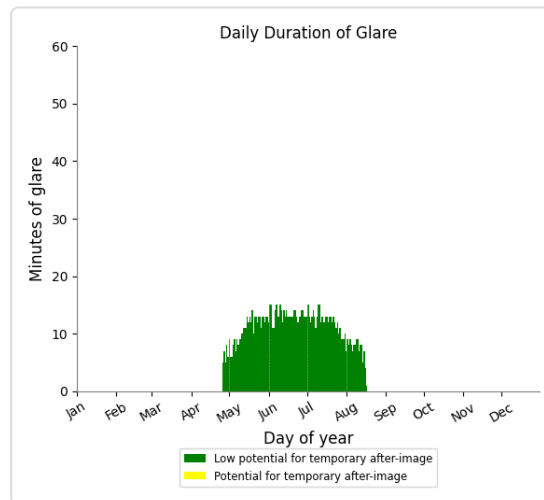
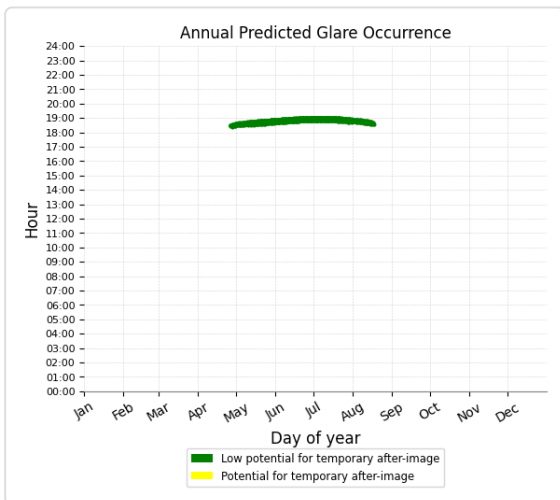
Green glare: 63 min.



PV array 7 and Route: Route 9 - Littleworth Drove

Yellow glare: none

Green glare: 1,266 min.



PV array 7 and Route: Route 11 - Church Lane

No glare found

PV array 7 and Route: Route 12 - Cow Drove

No glare found

PV array 7 and Route: Route 13 - Railway

No glare found

PV array 7 and Route: Route 1 - A17

No glare found

PV array 7 and Route: Route 4 - Heckington Road - south of Howell

No glare found

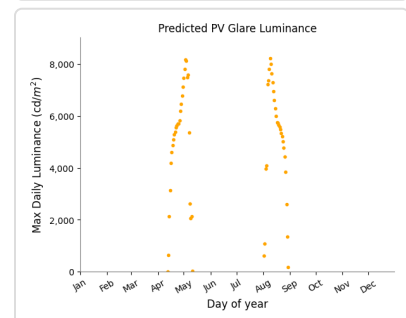
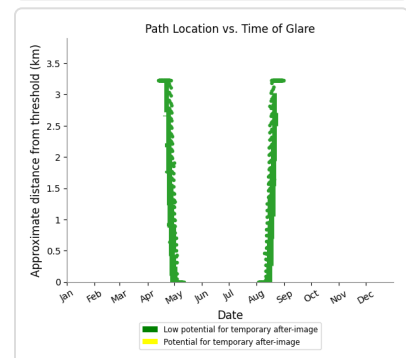
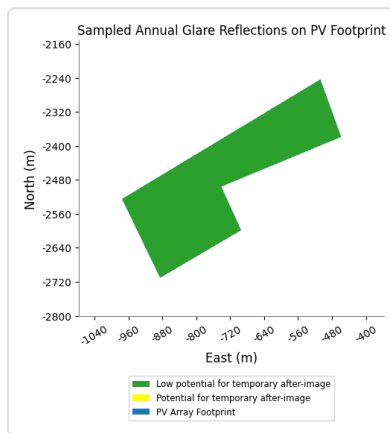
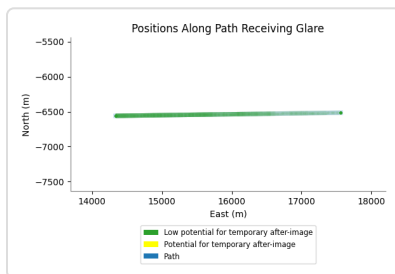
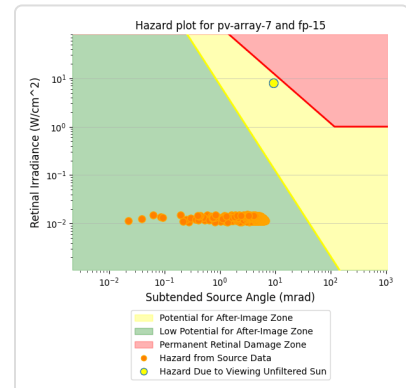
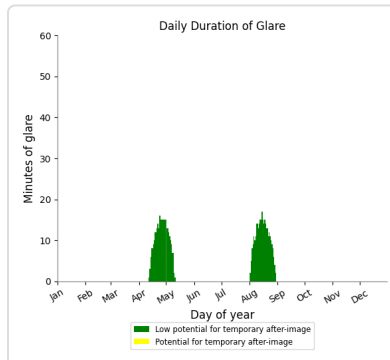
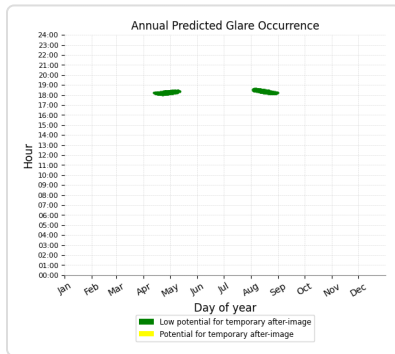
PV array 7 and Route: Route 7 - Lane connected to Thorpe Road

No glare found

PV array 7 and FP: FP 15 - Boston East

Yellow glare: none

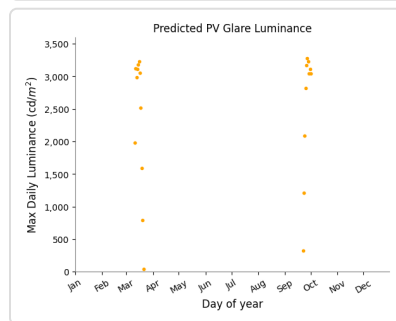
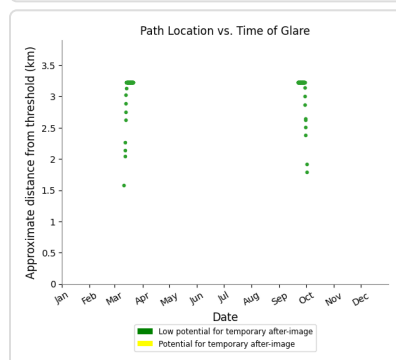
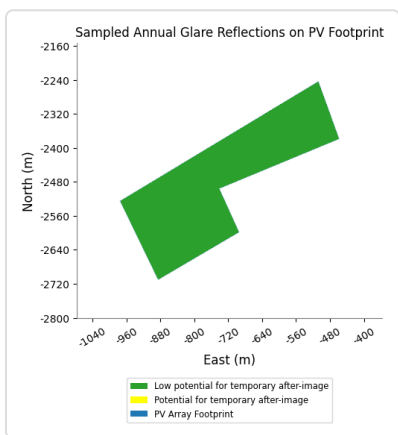
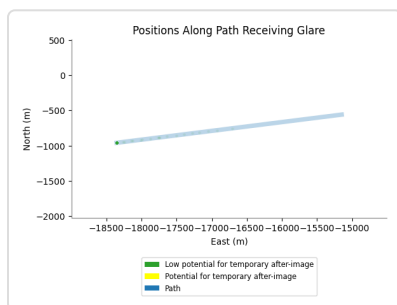
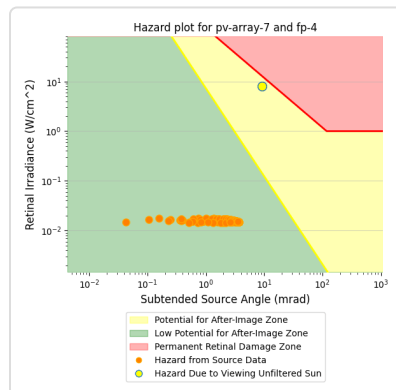
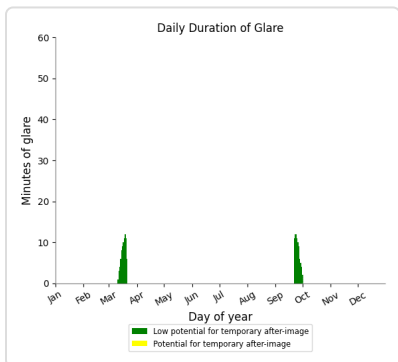
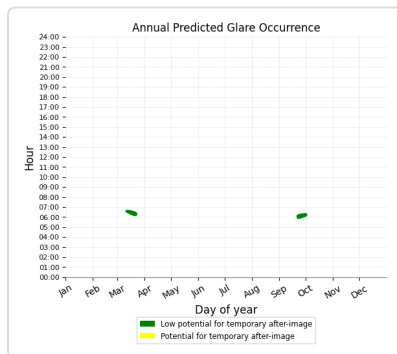
Green glare: 630 min.



PV array 7 and FP: FP 4 - RAF Cranwell West

Yellow glare: none

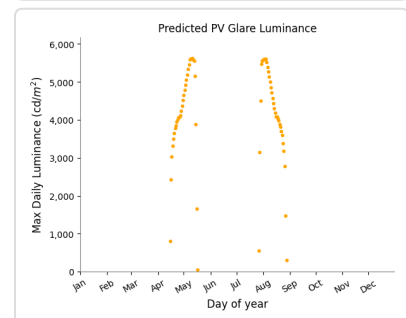
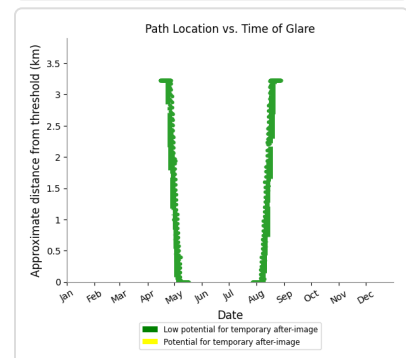
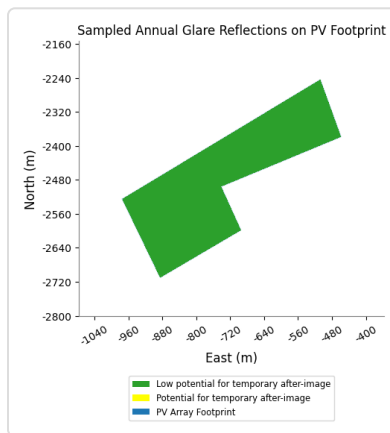
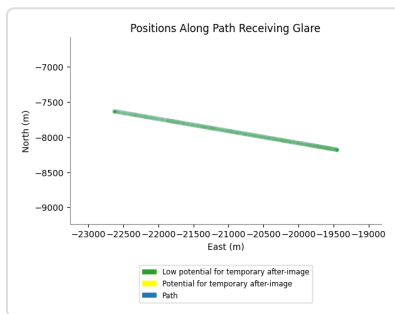
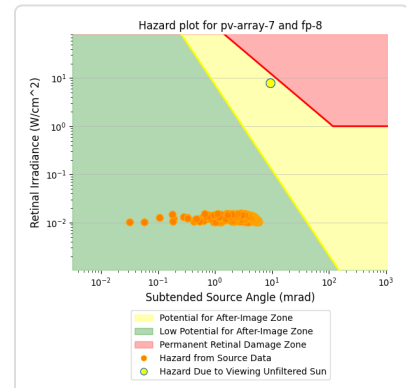
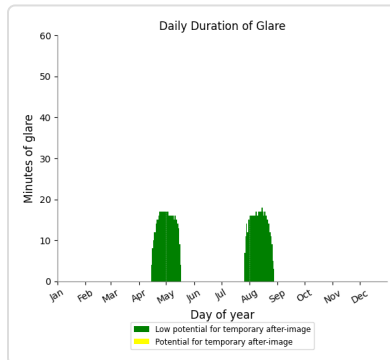
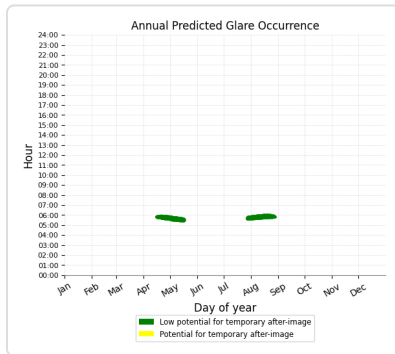
Green glare: 163 min.



PV array 7 and FP: FP 8 - RAF Barkston Heath NW

Yellow glare: none

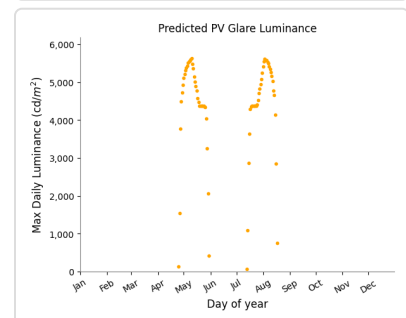
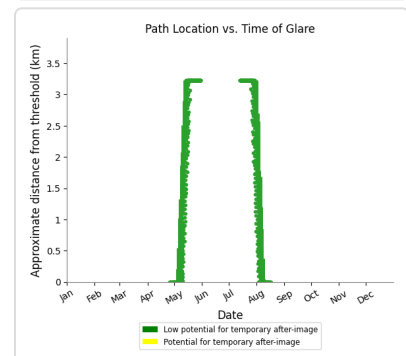
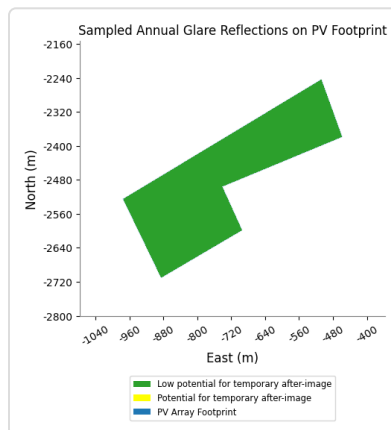
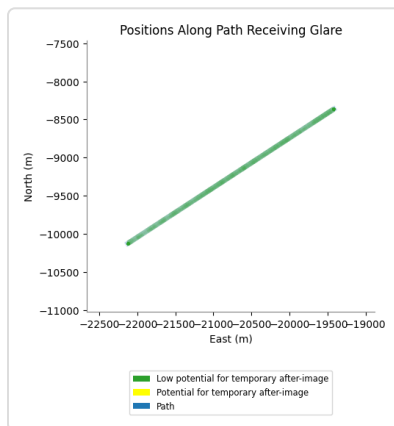
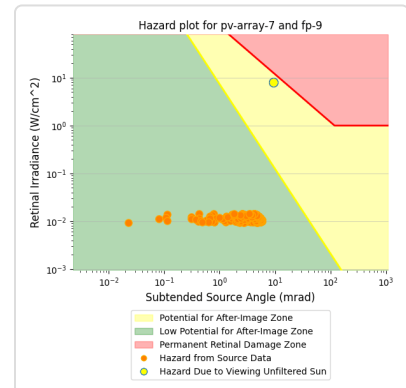
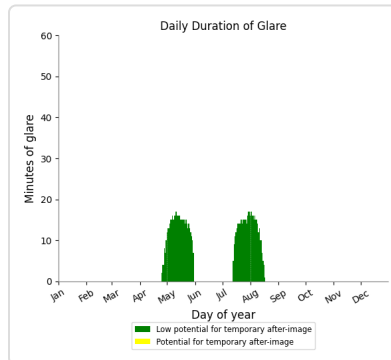
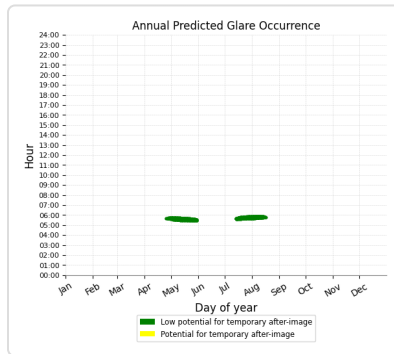
Green glare: 944 min.



PV array 7 and FP: FP 9 - RAF Barkston Heath SW

Yellow glare: none

Green glare: 920 min.



PV array 7 and FP: FP 10 - RAF Barkston Heath NE

No glare found

PV array 7 and FP: FP 11 - RAF Barkston Heath South

No glare found

PV array 7 and FP: FP 12 - RAF Barkston Heath North

No glare found

PV array 7 and FP: FP 13 - Anwick East

No glare found

PV array 7 and FP: FP 14 - Anwick West

No glare found

PV array 7 and FP: FP 16 - Boston West

No glare found

PV array 7 and FP: FP 17 - Waddington South

No glare found

PV array 7 and FP: FP 18 - Waddington North

No glare found

PV array 7 and FP: FP 19 - Griffins Farm East

No glare found

PV array 7 and FP: FP 1 - RAF Coningsby East

No glare found

PV array 7 and FP: FP 20 - Griffins Farm West

No glare found

PV array 7 and FP: FP 2 - RAF Coningsby West

No glare found

PV array 7 and FP: FP 3 - RAF Cranwell East

No glare found

PV array 7 and FP: FP 5 - RAF Cranwell South

No glare found

PV array 7 and FP: FP 6 - RAF Cranwell North

No glare found

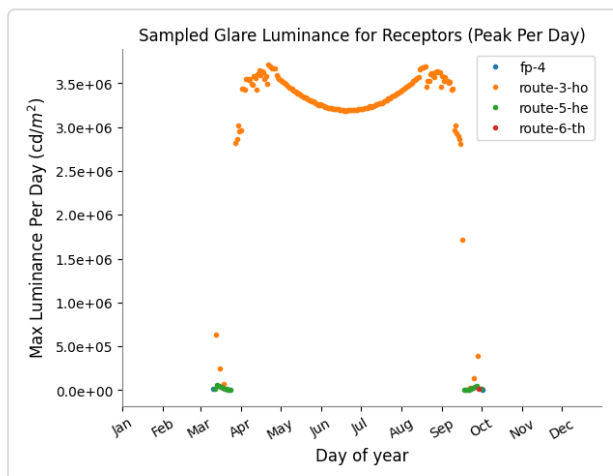
PV array 7 and FP: FP 7 - RAF Barkston Heath SE

No glare found

PV: PV array 8 potential temporary after-image

Receptor results ordered by category of glare

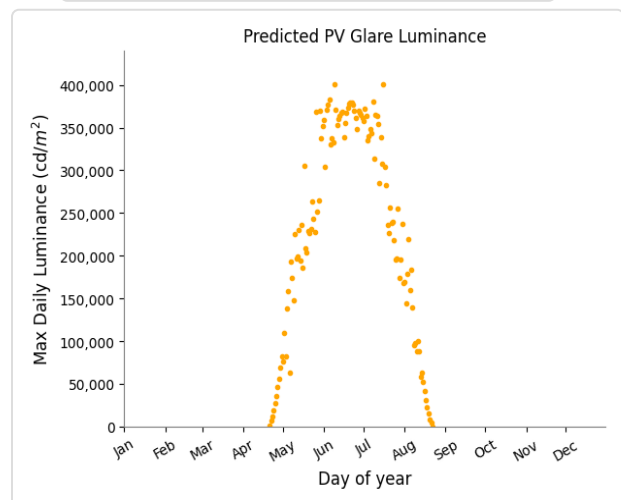
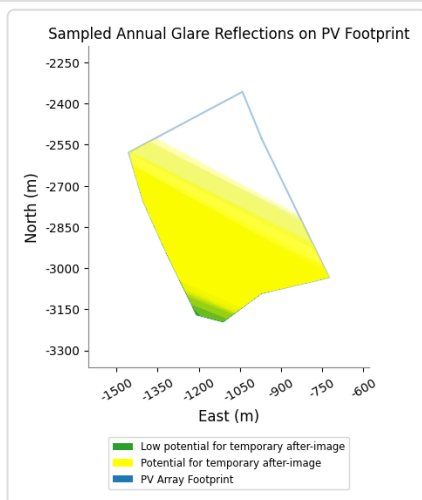
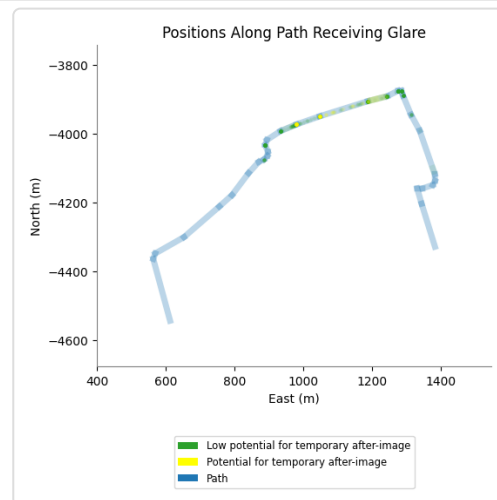
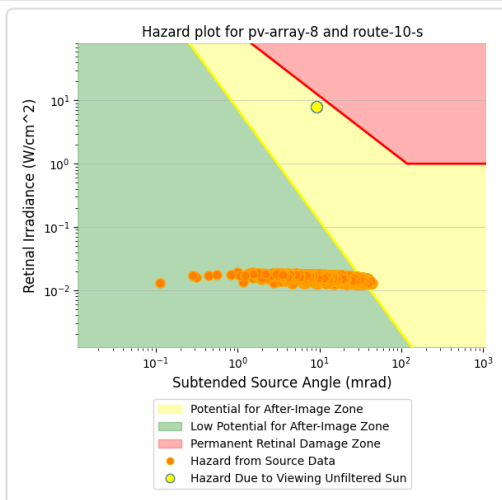
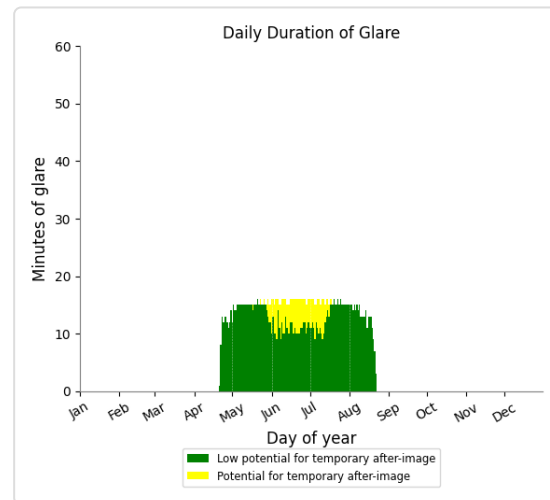
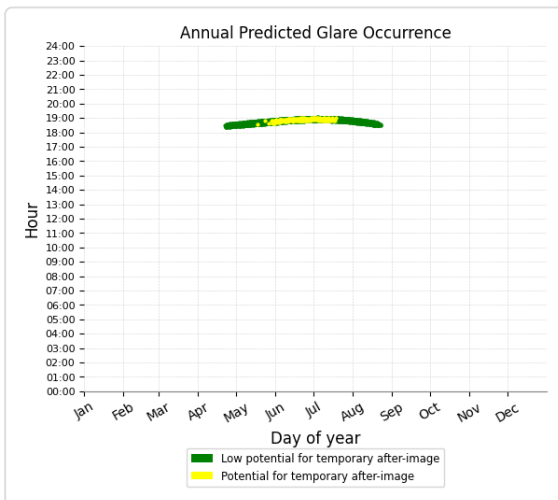
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
Route 10 - Star Fen Road	1,571	26.2	232	3.9	400,484
Route 3 - Howell Fen Drove	964	16.1	8,101	135.0	3,723,948
Route 9 - Littleworth Drove	1,490	24.8	323	5.4	343,205
Route 1 - A17	798	13.3	0	0.0	70,784
Route 2 - B1395	302	5.0	0	0.0	228,716
Route 5 - Heckington Road - north of Howell	190	3.2	0	0.0	55,152
Route 6 - Thorpe Road	162	2.7	0	0.0	24,889
Route 11 - Church Lane	0	0.0	0	0.0	0
Route 12 - Cow Drove	0	0.0	0	0.0	0
Route 13 - Railway	0	0.0	0	0.0	0
Route 4 - Heckington Road - south of Howell	0	0.0	0	0.0	0
Route 7 - Lane connected to Thorpe Road	0	0.0	0	0.0	0
Route 8 - Field Lane	0	0.0	0	0.0	0
FP 15 - Boston East	695	11.6	0	0.0	29,316
FP 4 - RAF Cranwell West	128	2.1	0	0.0	12,770
FP 8 - RAF Barkston Heath NW	1,007	16.8	0	0.0	21,826
FP 9 - RAF Barkston Heath SW	1,137	18.9	0	0.0	21,990
FP 10 - RAF Barkston Heath NE	0	0.0	0	0.0	0
FP 11 - RAF Barkston Heath South	0	0.0	0	0.0	0
FP 12 - RAF Barkston Heath North	0	0.0	0	0.0	0
FP 13 - Anwick East	0	0.0	0	0.0	0
FP 14 - Anwick West	0	0.0	0	0.0	0
FP 16 - Boston West	0	0.0	0	0.0	0
FP 17 - Waddington South	0	0.0	0	0.0	0
FP 18 - Waddington North	0	0.0	0	0.0	0
FP 19 - Griffins Farm East	0	0.0	0	0.0	0
FP 1 - RAF Coningsby East	0	0.0	0	0.0	0
FP 20 - Griffins Farm West	0	0.0	0	0.0	0
FP 2 - RAF Coningsby West	0	0.0	0	0.0	0
FP 3 - RAF Cranwell East	0	0.0	0	0.0	0
FP 5 - RAF Cranwell South	0	0.0	0	0.0	0
FP 6 - RAF Cranwell North	0	0.0	0	0.0	0
FP 7 - RAF Barkston Heath SE	0	0.0	0	0.0	0



PV array 8 and Route: Route 10 - Star Fen Road

Yellow glare: 232 min.

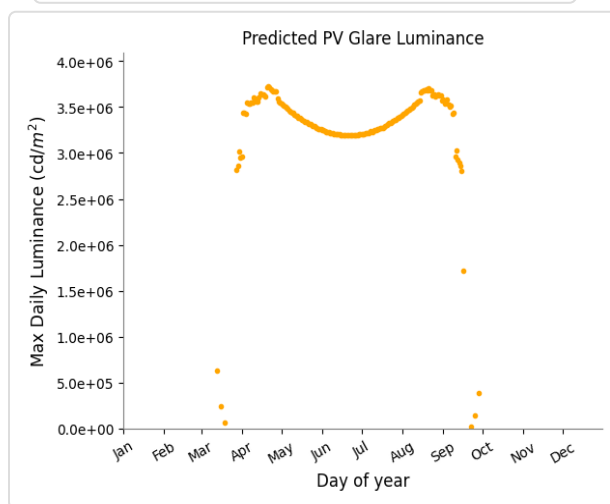
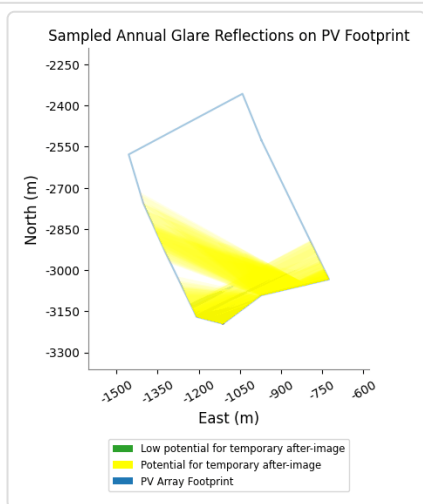
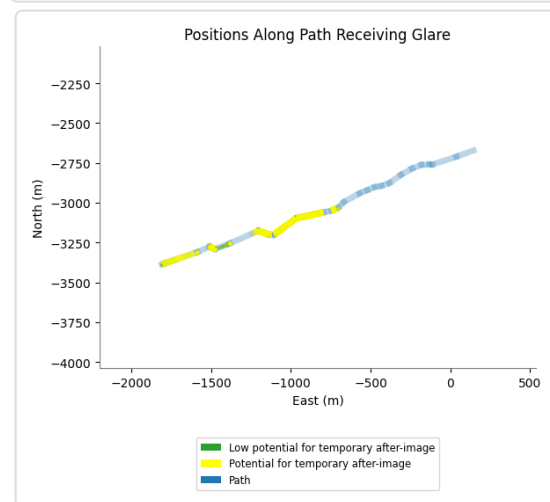
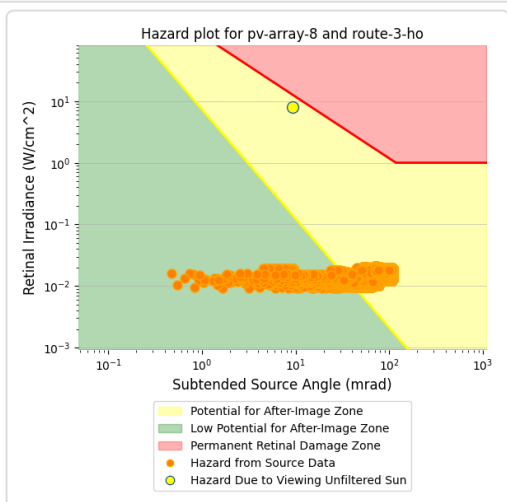
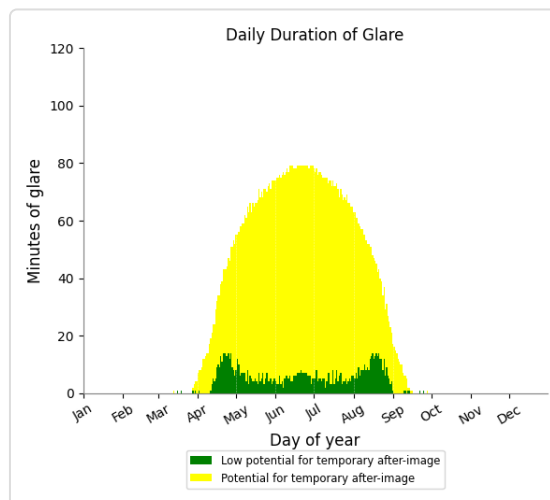
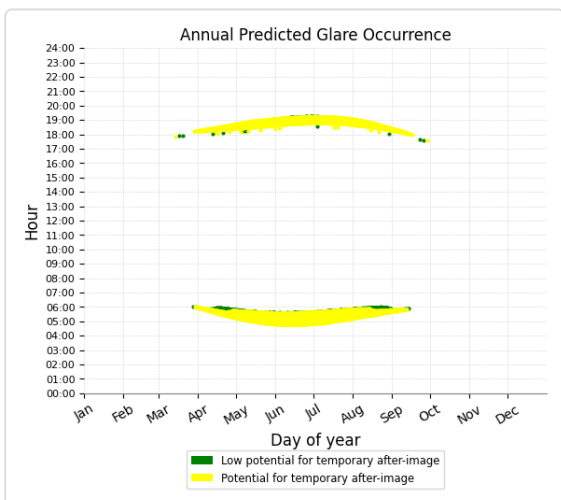
Green glare: 1,571 min.



PV array 8 and Route: Route 3 - Howell Fen Drove

Yellow glare: 8,101 min.

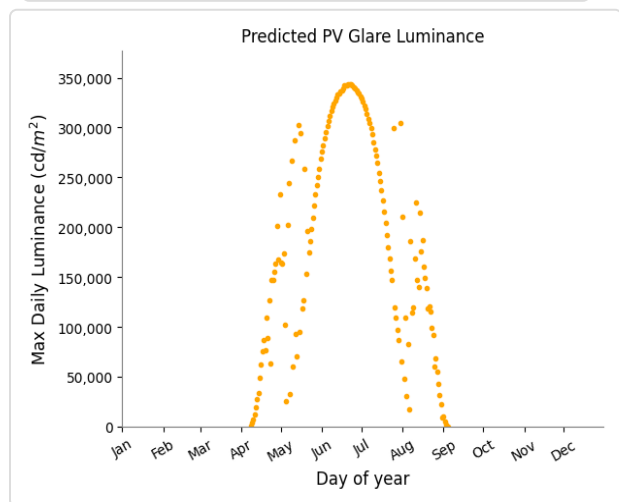
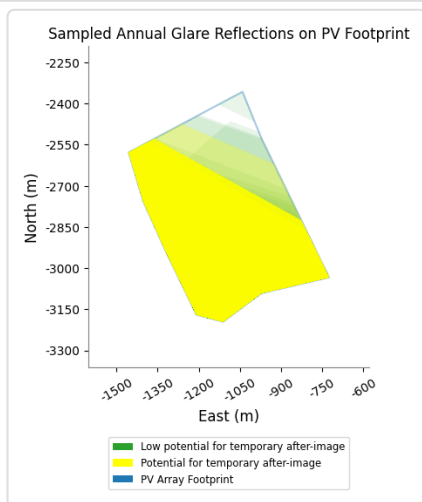
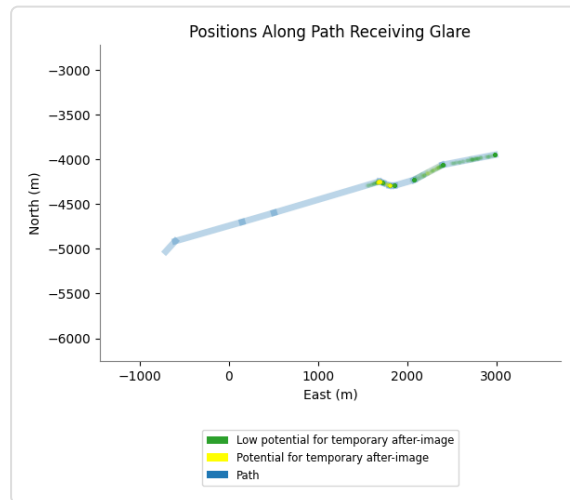
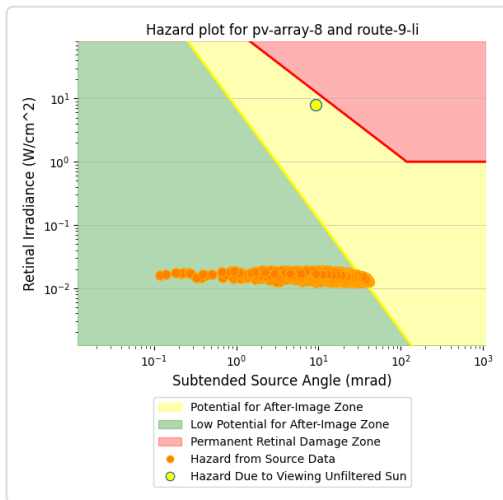
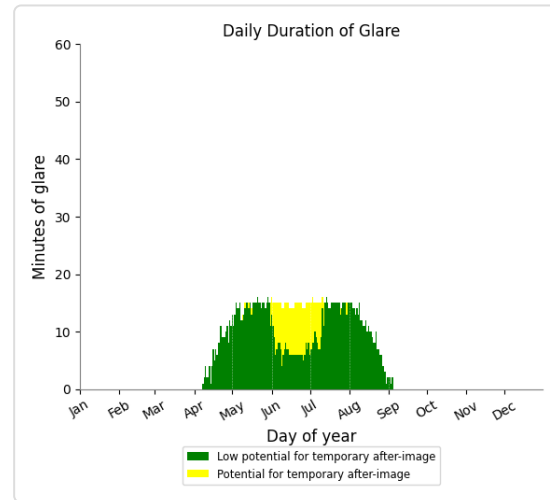
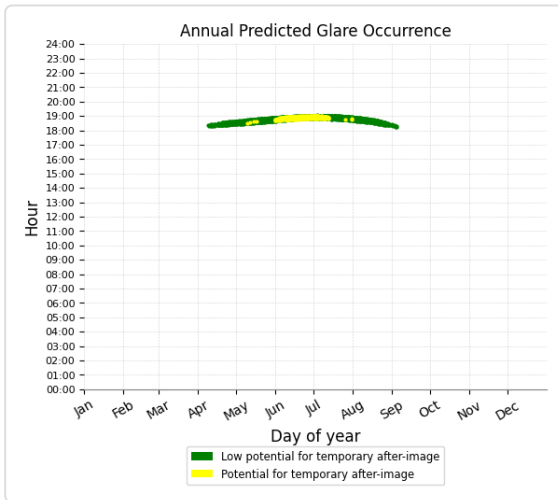
Green glare: 964 min.



PV array 8 and Route: Route 9 - Littleworth Drove

Yellow glare: 323 min.

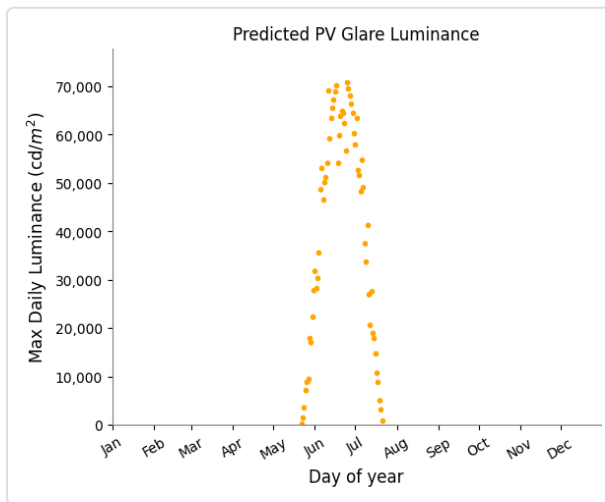
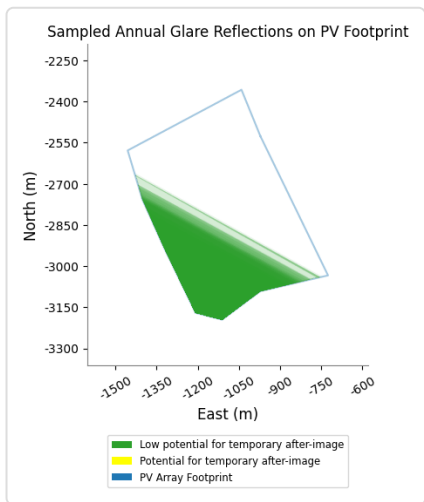
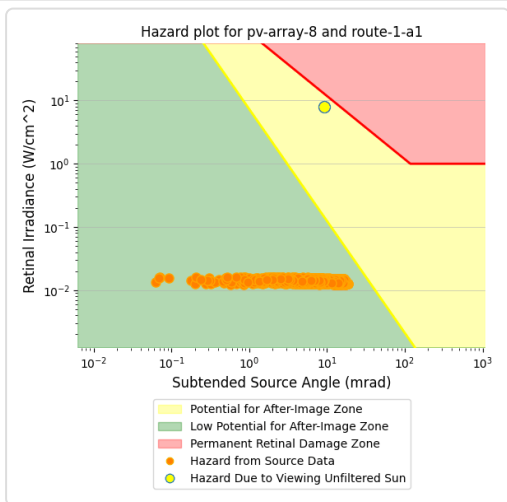
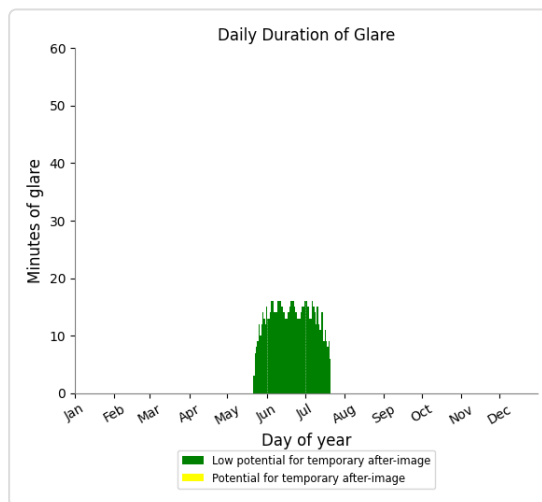
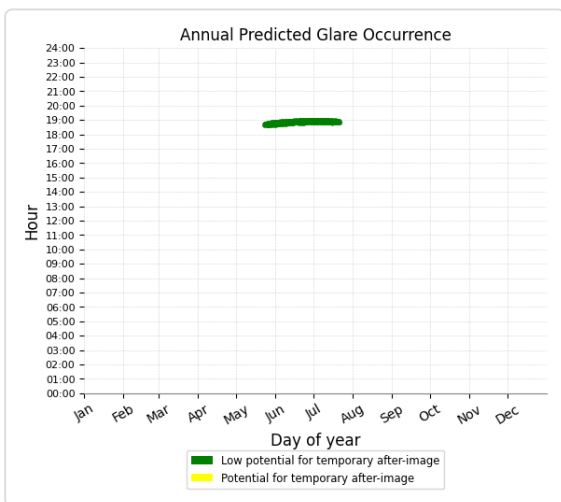
Green glare: 1,490 min.



PV array 8 and Route: Route 1 - A17

Yellow glare: none

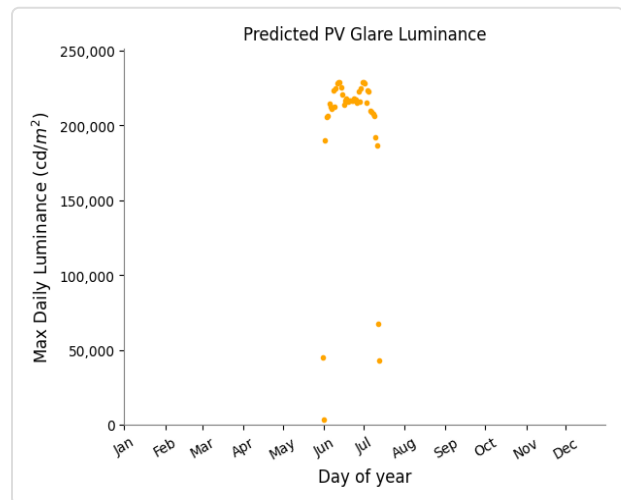
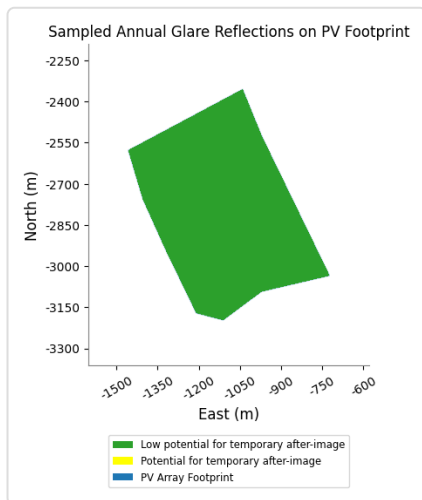
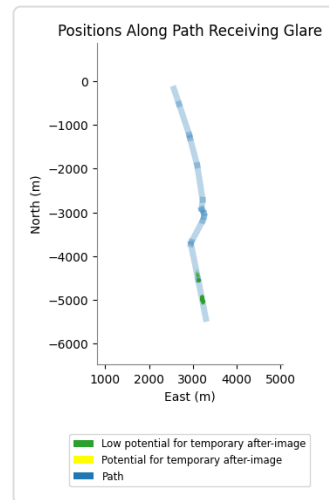
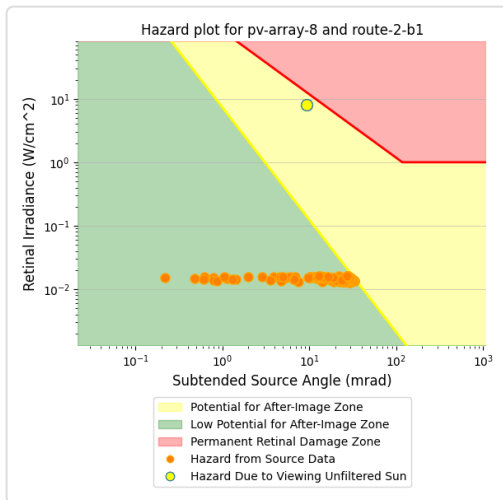
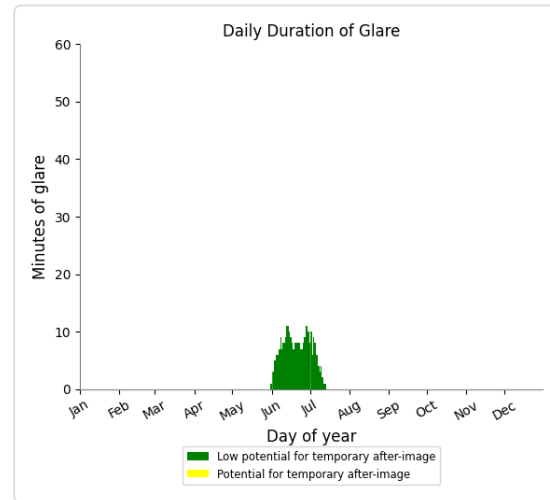
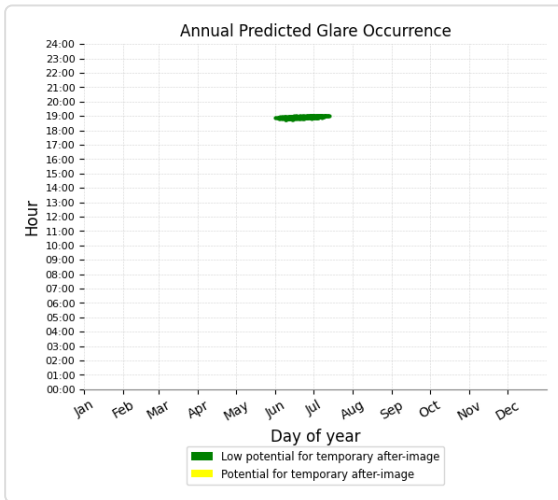
Green glare: 798 min.



PV array 8 and Route: Route 2 - B1395

Yellow glare: none

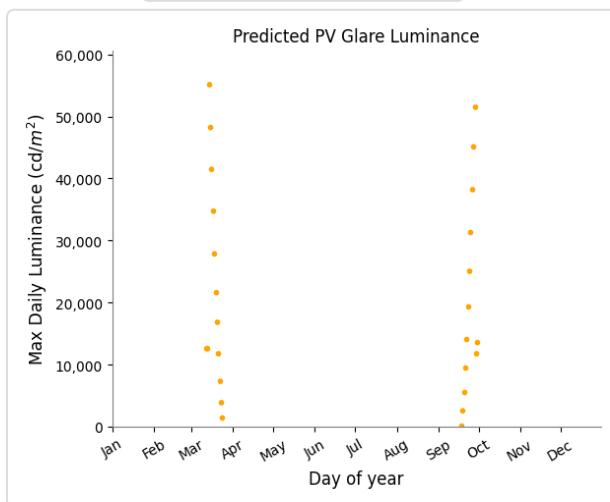
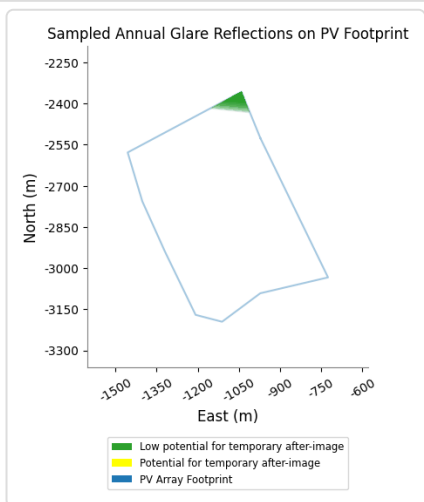
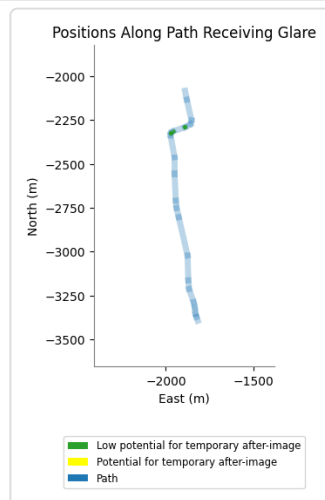
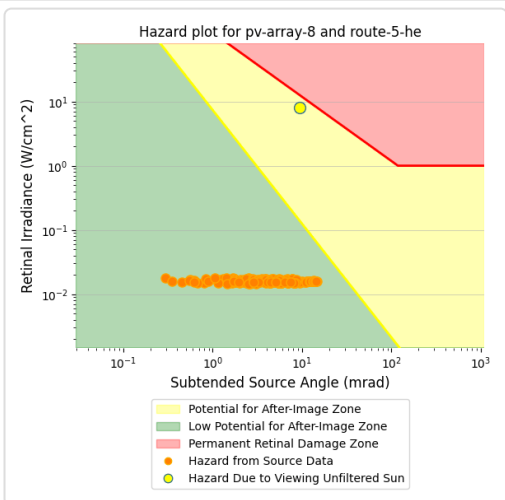
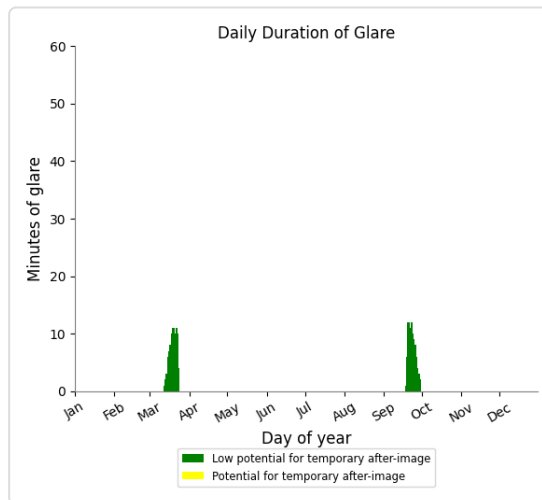
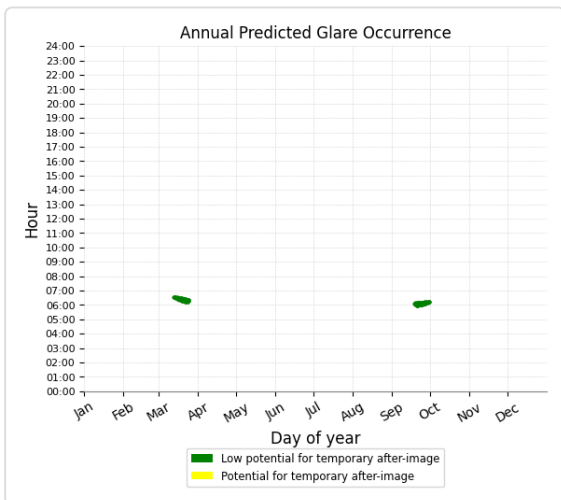
Green glare: 302 min.



PV array 8 and Route: Route 5 - Heckington Road - north of Howell

Yellow glare: none

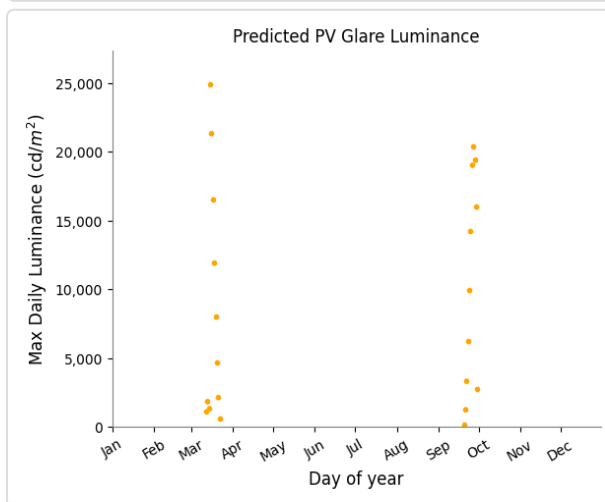
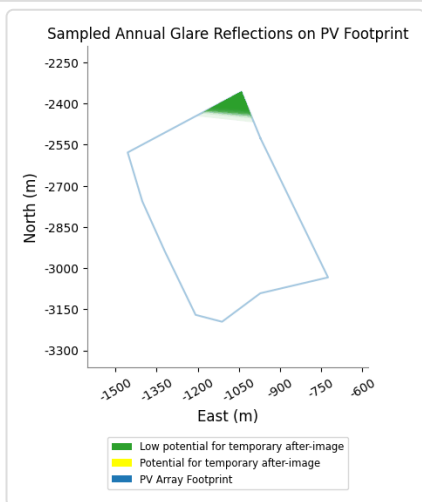
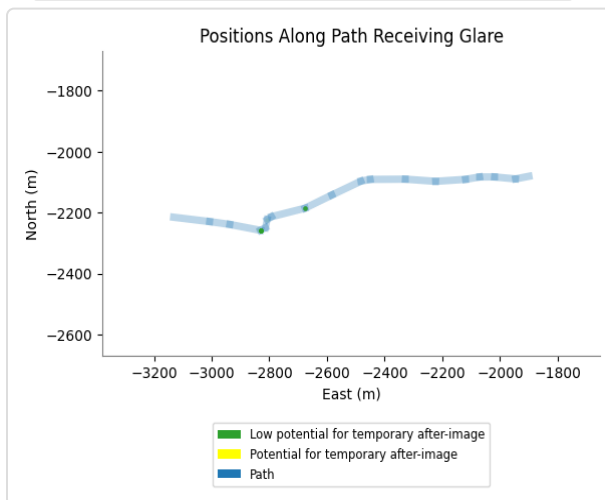
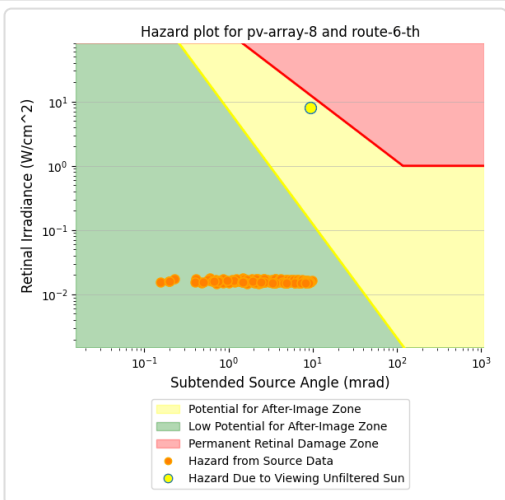
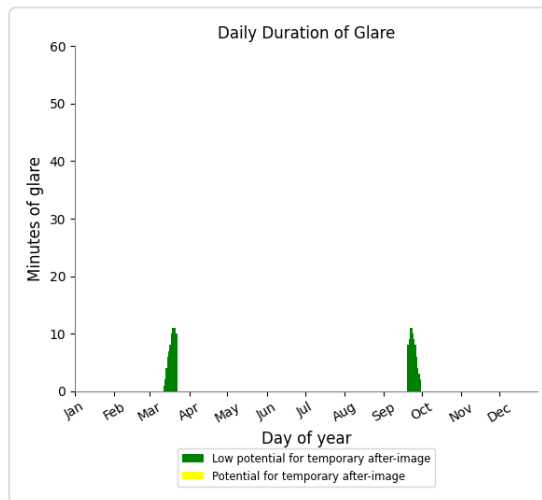
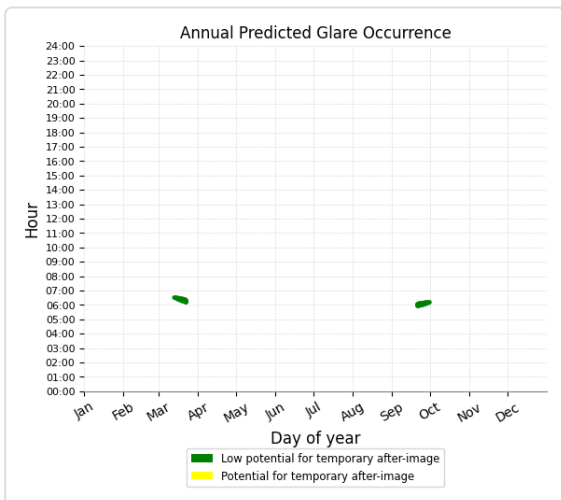
Green glare: 190 min.



PV array 8 and Route: Route 6 - Thorpe Road

Yellow glare: none

Green glare: 162 min.



PV array 8 and Route: Route 11 - Church Lane

No glare found

PV array 8 and Route: Route 12 - Cow Drove

No glare found

PV array 8 and Route: Route 13 - Railway

No glare found

PV array 8 and Route: Route 4 - Heckington Road - south of Howell

No glare found

PV array 8 and Route: Route 7 - Lane connected to Thorpe Road

No glare found

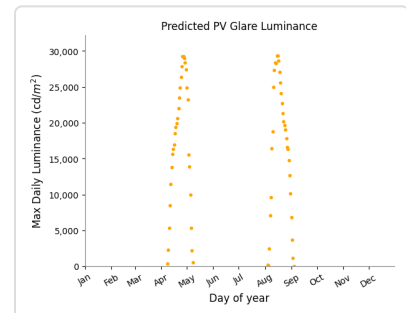
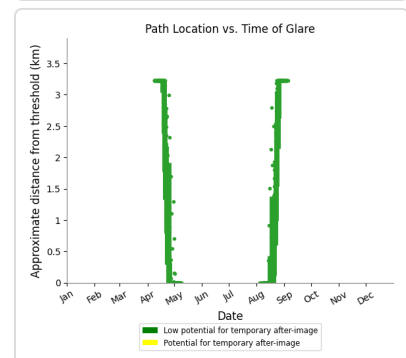
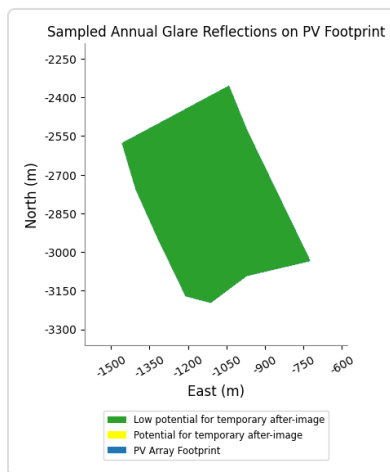
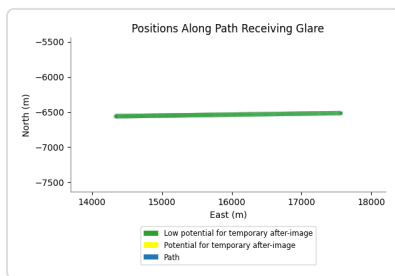
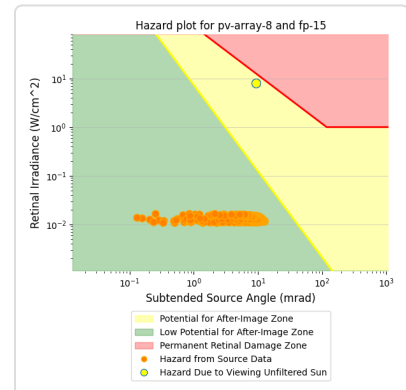
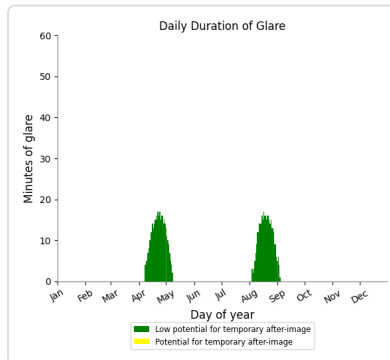
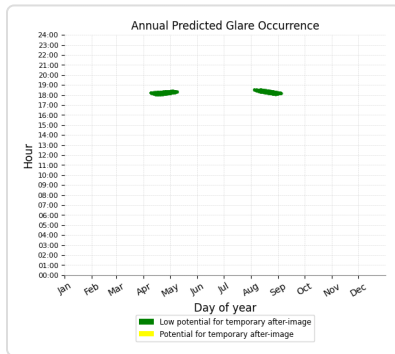
PV array 8 and Route: Route 8 - Field Lane

No glare found

PV array 8 and FP: FP 15 - Boston East

Yellow glare: none

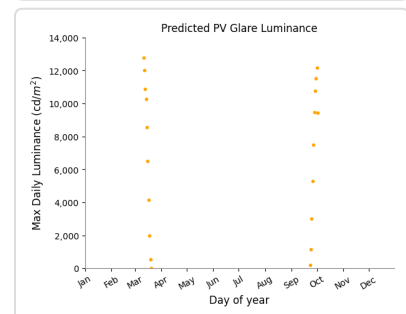
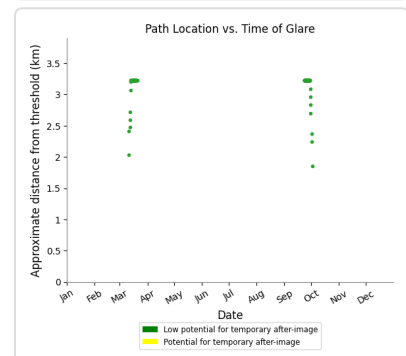
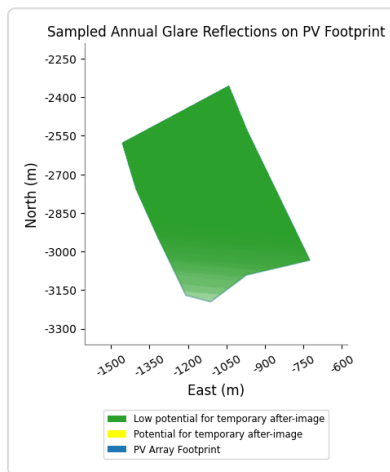
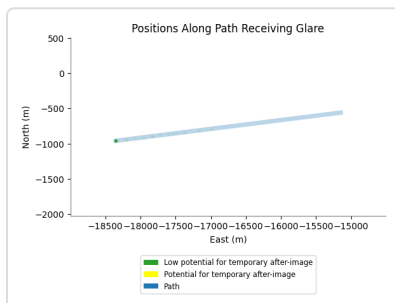
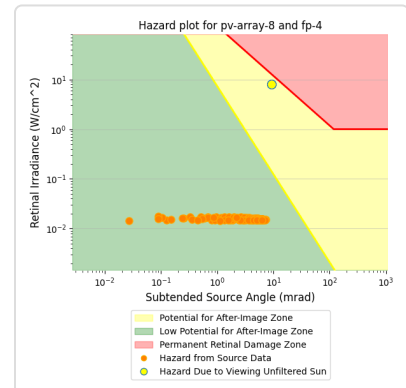
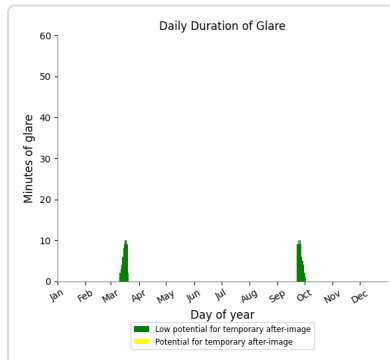
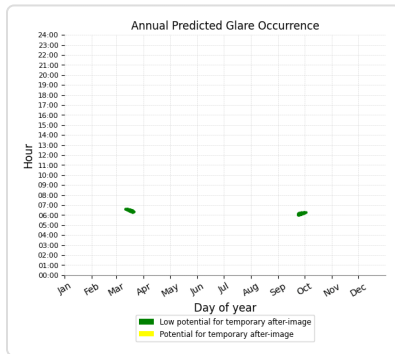
Green glare: 695 min.



PV array 8 and FP: FP 4 - RAF Cranwell West

Yellow glare: none

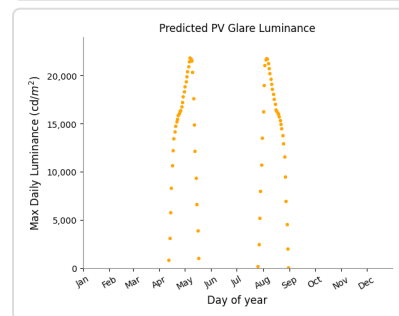
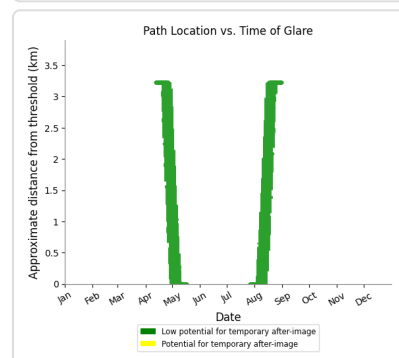
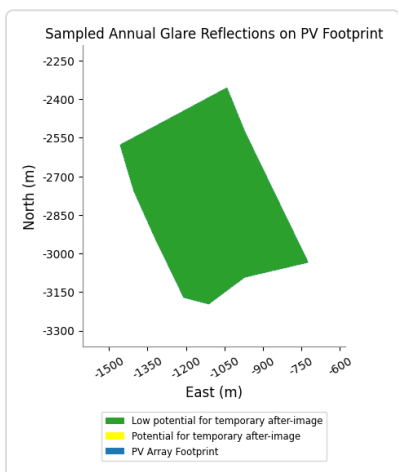
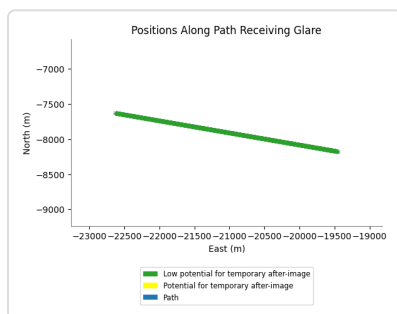
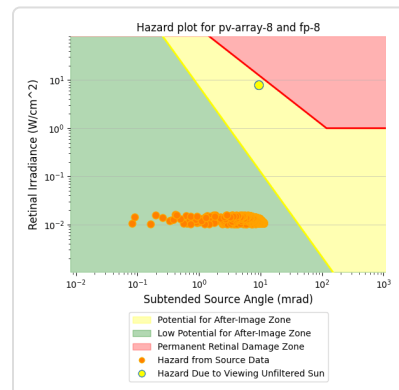
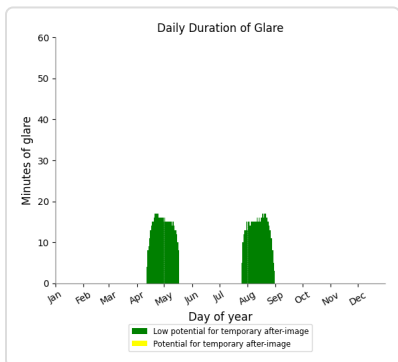
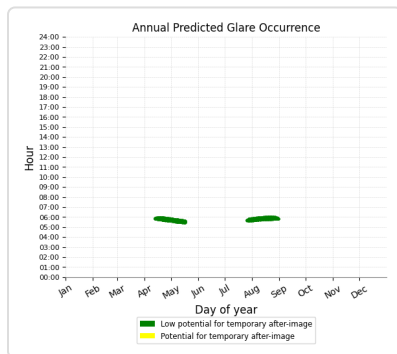
Green glare: 128 min.



PV array 8 and FP: FP 8 - RAF Barkston Heath NW

Yellow glare: none

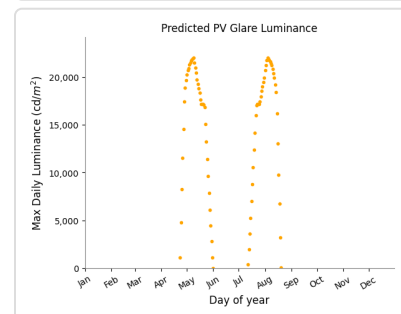
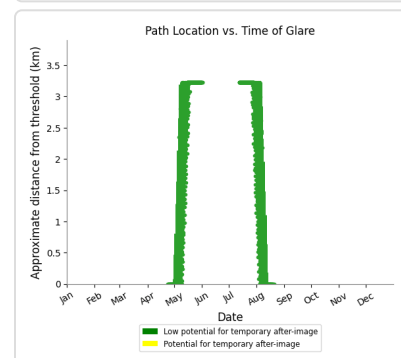
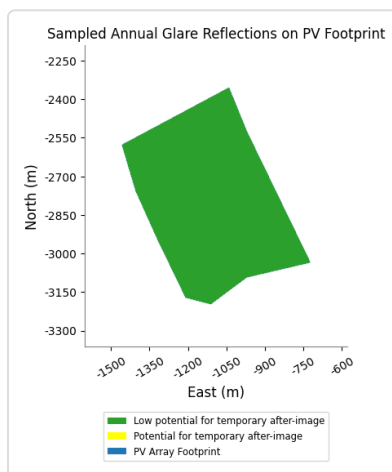
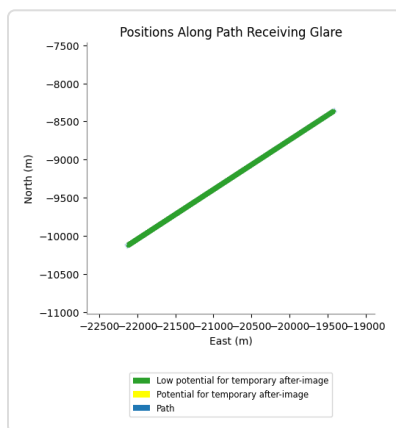
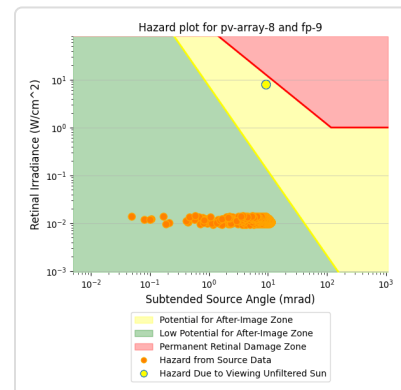
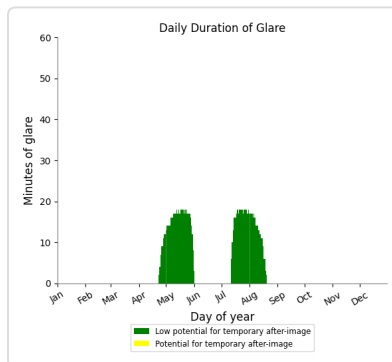
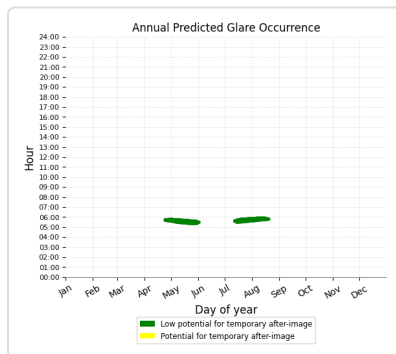
Green glare: 1,007 min.



PV array 8 and FP: FP 9 - RAF Barkston Heath SW

Yellow glare: none

Green glare: 1,137 min.



PV array 8 and FP: FP 10 - RAF Barkston Heath NE

No glare found

PV array 8 and FP: FP 11 - RAF Barkston Heath South

No glare found

PV array 8 and FP: FP 12 - RAF Barkston Heath North

No glare found

PV array 8 and FP: FP 13 - Anwick East

No glare found

PV array 8 and FP: FP 14 - Anwick West

No glare found

PV array 8 and FP: FP 16 - Boston West

No glare found

PV array 8 and FP: FP 17 - Waddington South

No glare found

PV array 8 and FP: FP 18 - Waddington North

No glare found

PV array 8 and FP: FP 19 - Griffins Farm East

No glare found

PV array 8 and FP: FP 1 - RAF Coningsby East

No glare found

PV array 8 and FP: FP 20 - Griffins Farm West

No glare found

PV array 8 and FP: FP 2 - RAF Coningsby West

No glare found

PV array 8 and FP: FP 3 - RAF Cranwell East

No glare found

PV array 8 and FP: FP 5 - RAF Cranwell South

No glare found

PV array 8 and FP: FP 6 - RAF Cranwell North

No glare found

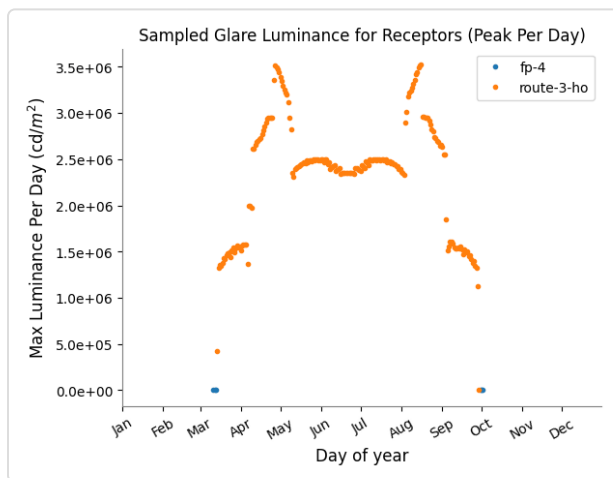
PV array 8 and FP: FP 7 - RAF Barkston Heath SE

No glare found

PV: PV array 9 potential temporary after-image

Receptor results ordered by category of glare

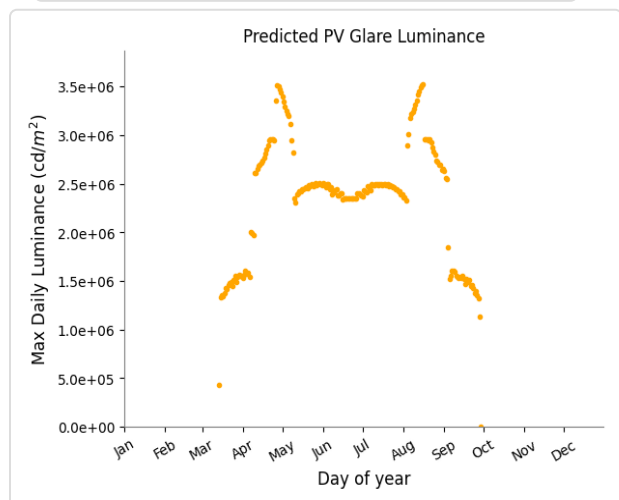
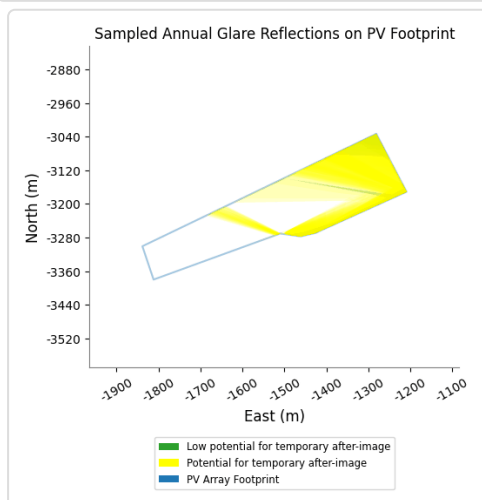
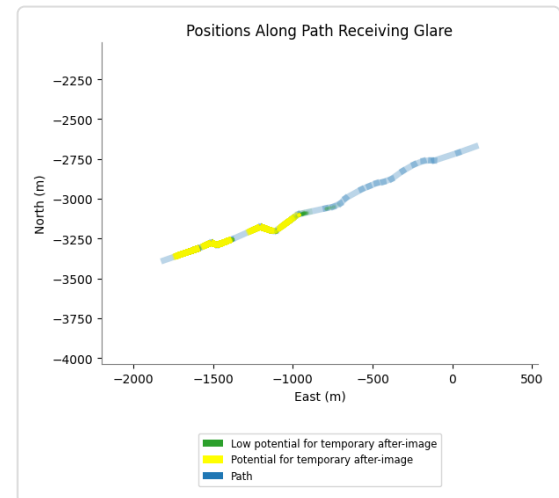
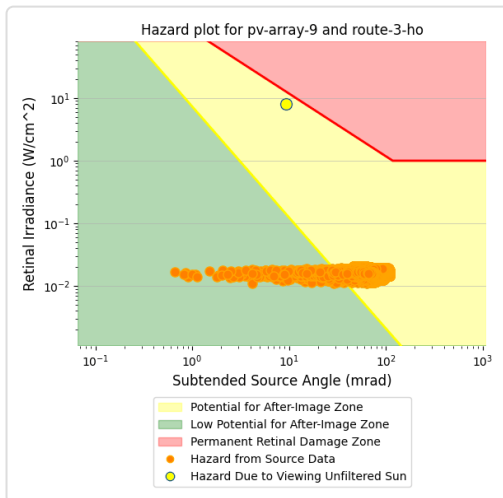
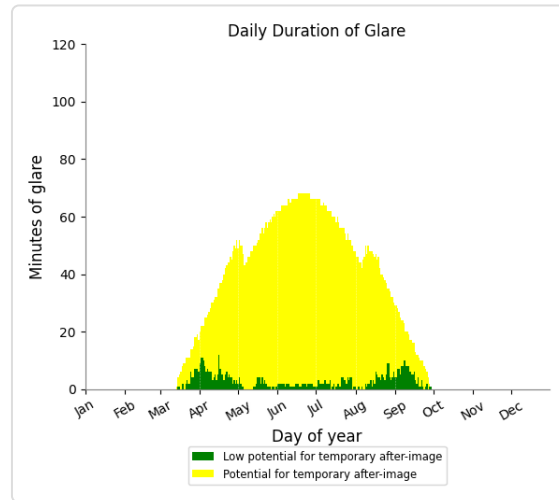
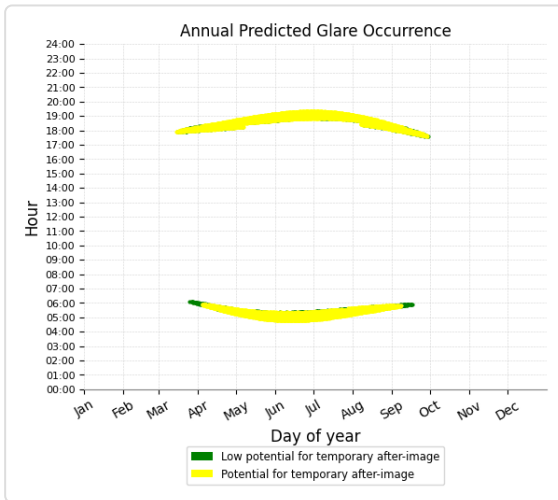
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
Route 3 - Howell Fen Drove	610	10.2	7,853	130.9	3,521,292
Route 10 - Star Fen Road	2,312	38.5	0	0.0	159,559
Route 13 - Railway	807	13.4	0	0.0	113,180
Route 1 - A17	1,301	21.7	0	0.0	59,234
Route 9 - Littleworth Drove	2,424	40.4	0	0.0	159,723
Route 11 - Church Lane	0	0.0	0	0.0	0
Route 12 - Cow Drove	0	0.0	0	0.0	0
Route 2 - B1395	0	0.0	0	0.0	0
Route 4 - Heckington Road - south of Howell	0	0.0	0	0.0	0
Route 5 - Heckington Road - north of Howell	0	0.0	0	0.0	0
Route 6 - Thorpe Road	0	0.0	0	0.0	0
Route 7 - Lane connected to Thorpe Road	0	0.0	0	0.0	0
Route 8 - Field Lane	0	0.0	0	0.0	0
FP 15 - Boston East	742	12.4	0	0.0	6,957
FP 4 - RAF Cranwell West	20	0.3	0	0.0	1,697
FP 8 - RAF Barkston Heath NW	374	6.2	0	0.0	5,794
FP 9 - RAF Barkston Heath SW	497	8.3	0	0.0	5,854
FP 10 - RAF Barkston Heath NE	0	0.0	0	0.0	0
FP 11 - RAF Barkston Heath South	0	0.0	0	0.0	0
FP 12 - RAF Barkston Heath North	0	0.0	0	0.0	0
FP 13 - Anwick East	0	0.0	0	0.0	0
FP 14 - Anwick West	0	0.0	0	0.0	0
FP 16 - Boston West	0	0.0	0	0.0	0
FP 17 - Waddington South	0	0.0	0	0.0	0
FP 18 - Waddington North	0	0.0	0	0.0	0
FP 19 - Griffins Farm East	0	0.0	0	0.0	0
FP 1 - RAF Coningsby East	0	0.0	0	0.0	0
FP 20 - Griffins Farm West	0	0.0	0	0.0	0
FP 2 - RAF Coningsby West	0	0.0	0	0.0	0
FP 3 - RAF Cranwell East	0	0.0	0	0.0	0
FP 5 - RAF Cranwell South	0	0.0	0	0.0	0
FP 6 - RAF Cranwell North	0	0.0	0	0.0	0
FP 7 - RAF Barkston Heath SE	0	0.0	0	0.0	0



PV array 9 and Route: Route 3 - Howell Fen Drove

Yellow glare: 7,853 min.

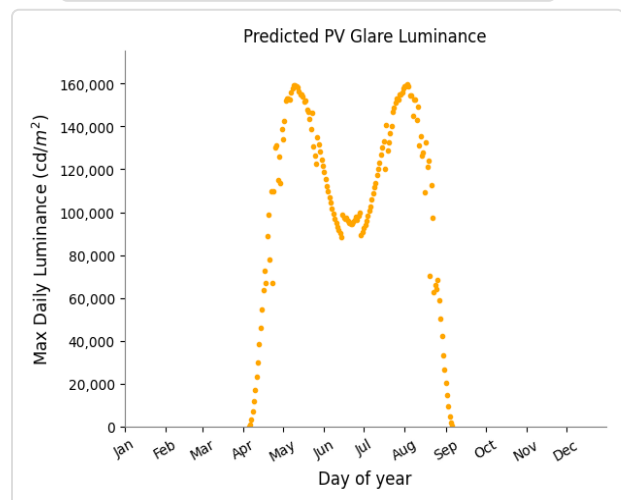
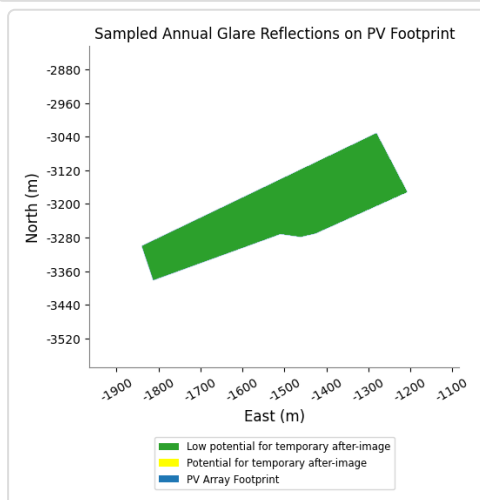
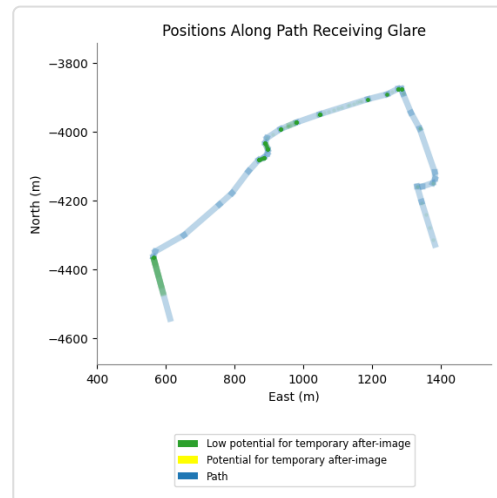
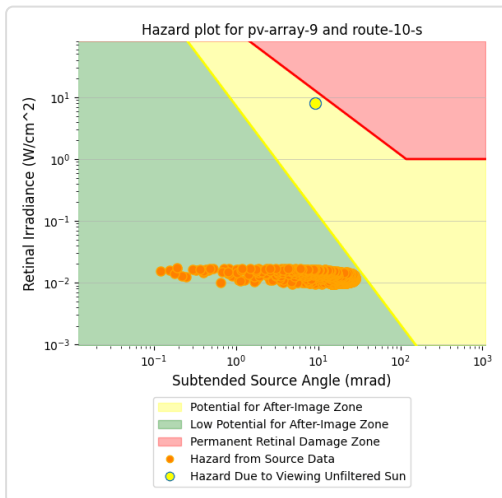
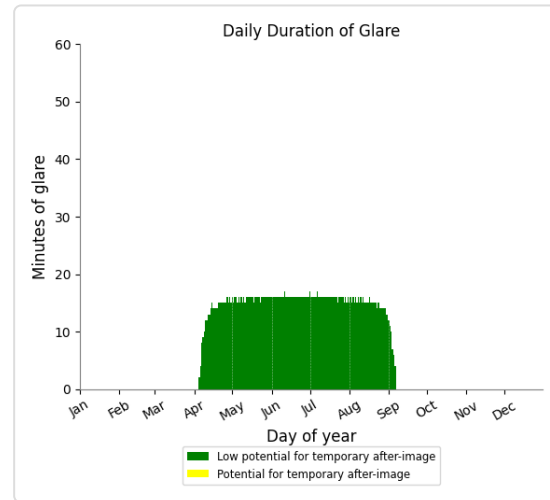
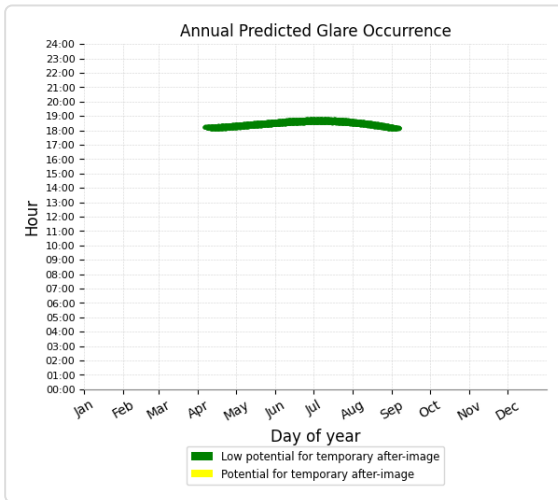
Green glare: 610 min.



PV array 9 and Route: Route 10 - Star Fen Road

Yellow glare: none

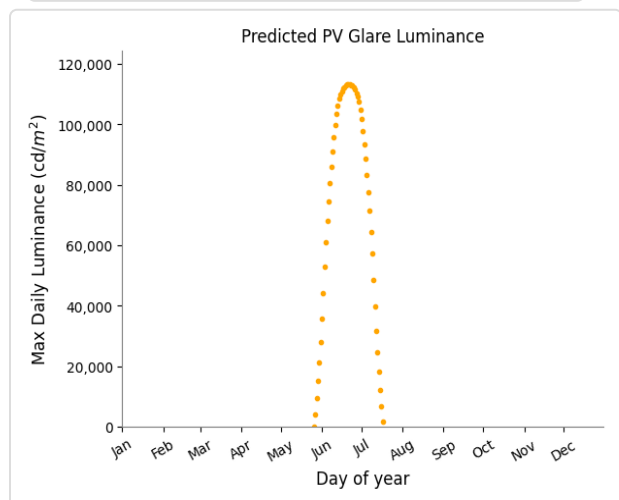
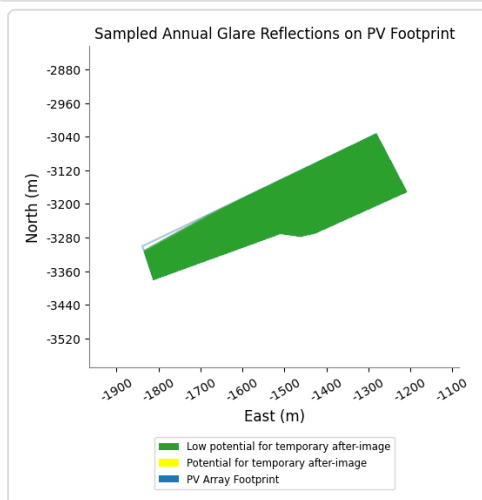
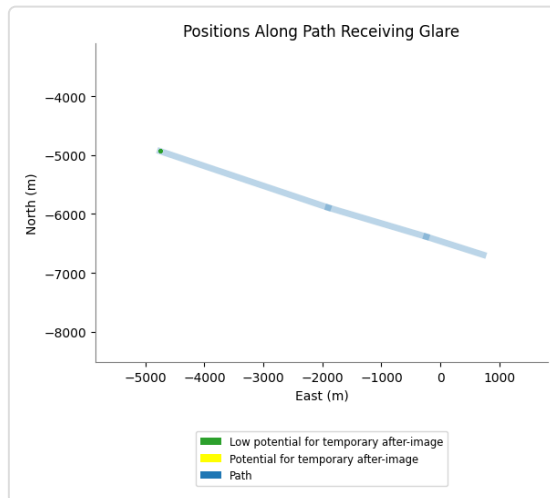
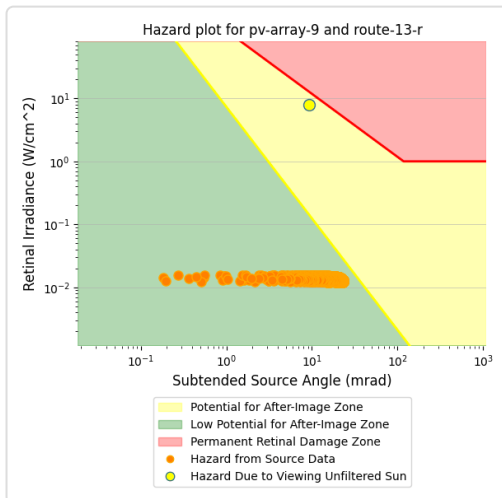
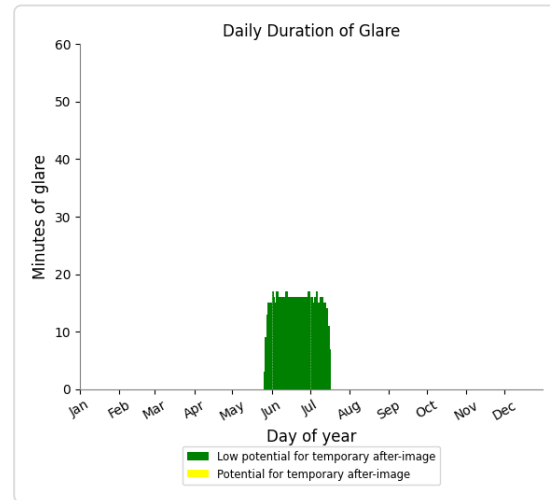
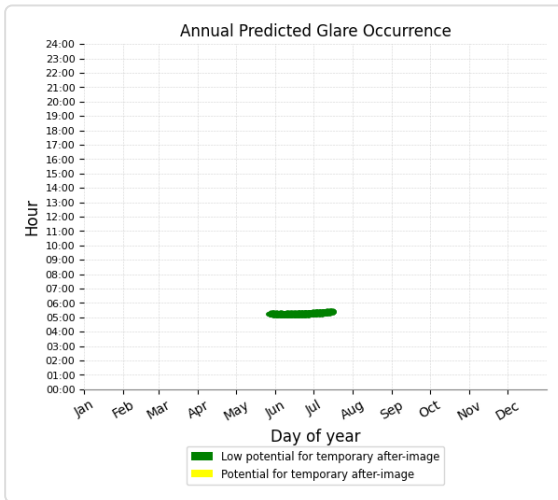
Green glare: 2,312 min.



PV array 9 and Route: Route 13 - Railway

Yellow glare: none

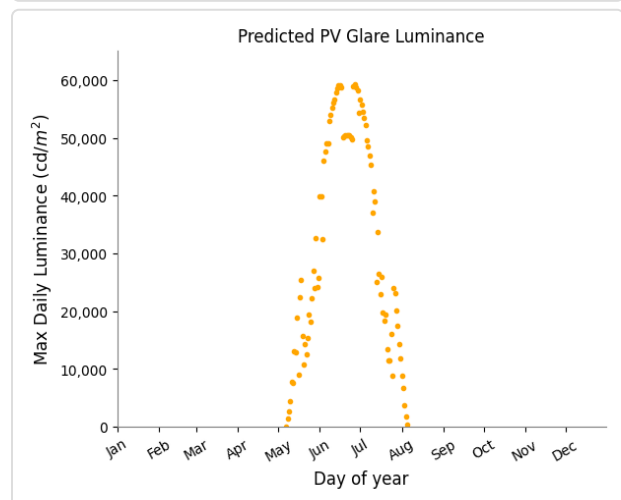
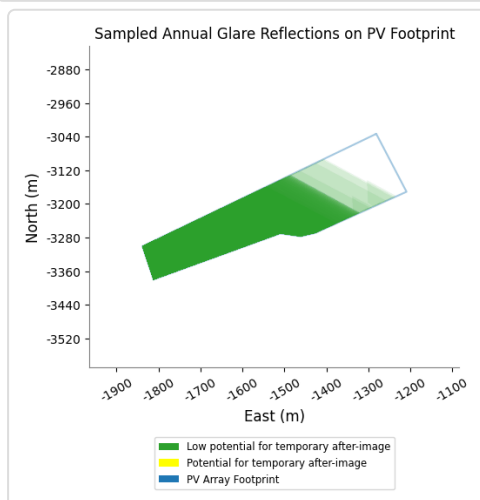
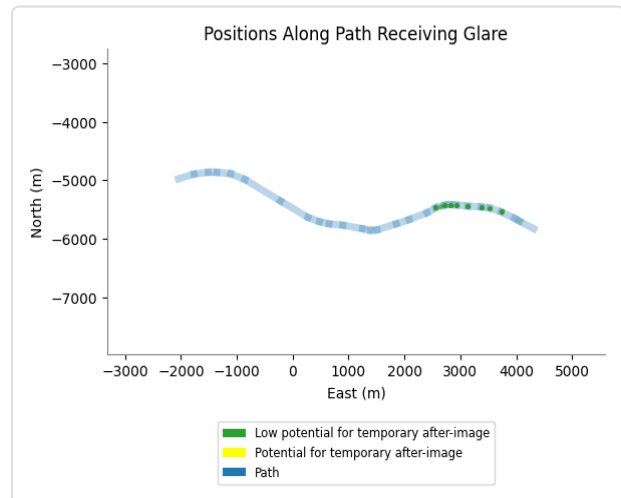
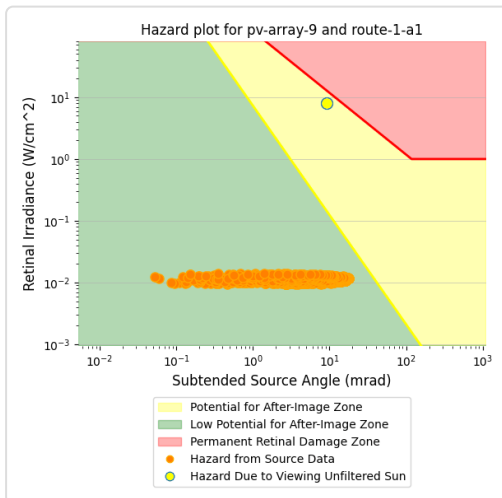
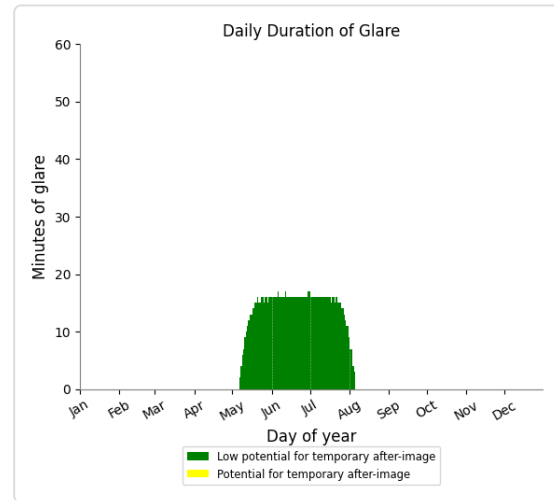
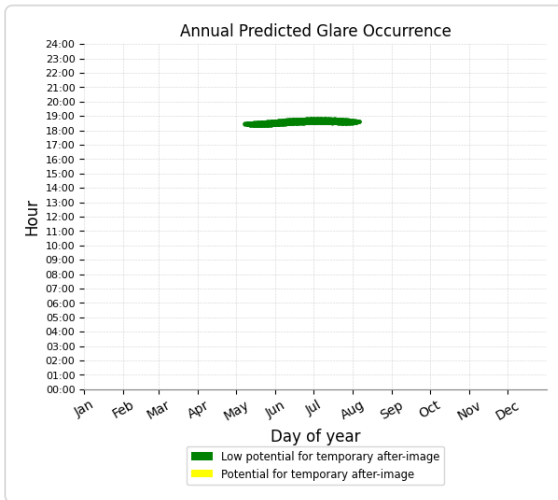
Green glare: 807 min.



PV array 9 and Route: Route 1 - A17

Yellow glare: none

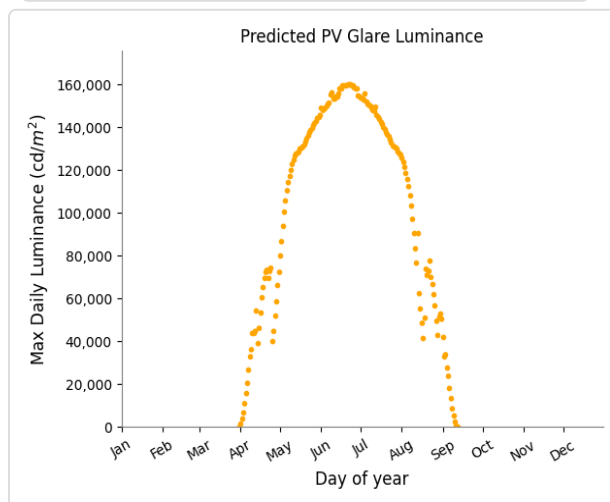
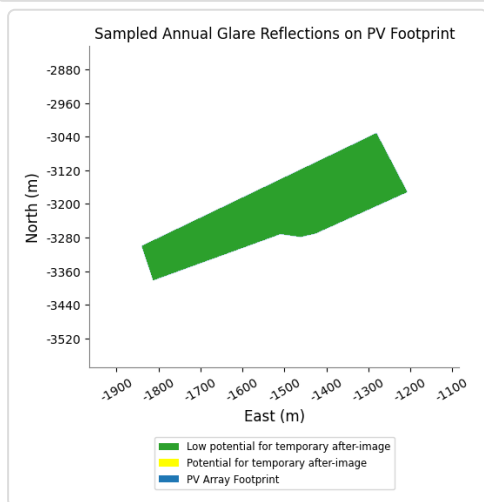
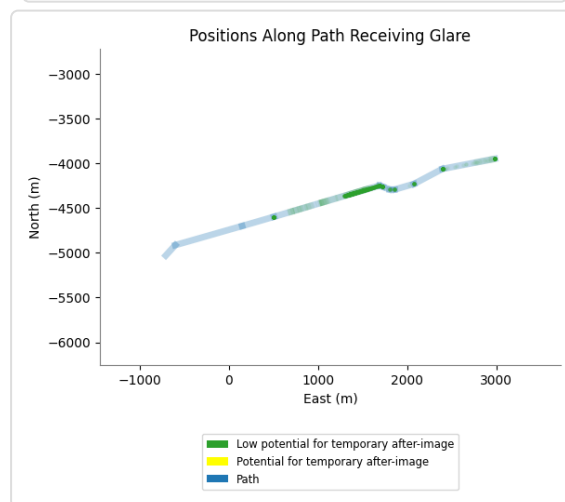
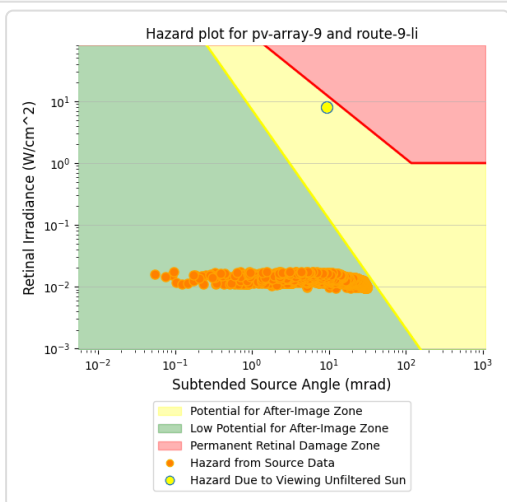
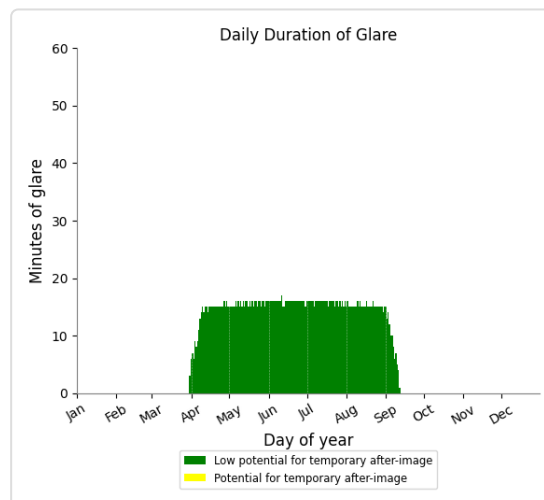
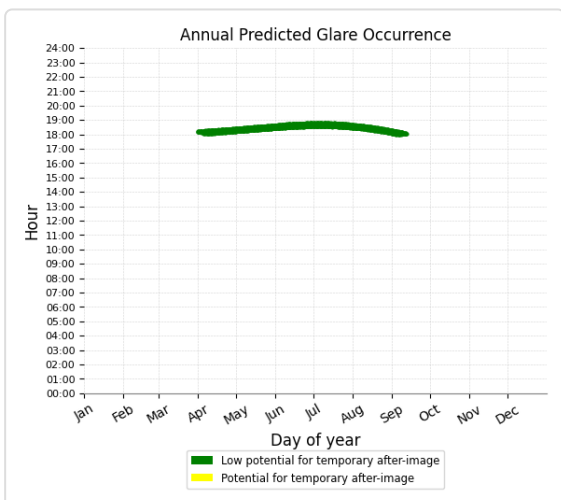
Green glare: 1,301 min.



PV array 9 and Route: Route 9 - Littleworth Drove

Yellow glare: none

Green glare: 2,424 min.



PV array 9 and Route: Route 11 - Church Lane

No glare found

PV array 9 and Route: Route 12 - Cow Drove

No glare found

PV array 9 and Route: Route 2 - B1395

No glare found

PV array 9 and Route: Route 4 - Heckington Road - south of Howell

No glare found

PV array 9 and Route: Route 5 - Heckington Road - north of Howell

No glare found

PV array 9 and Route: Route 6 - Thorpe Road

No glare found

PV array 9 and Route: Route 7 - Lane connected to Thorpe Road

No glare found

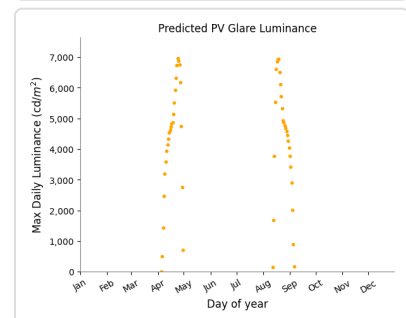
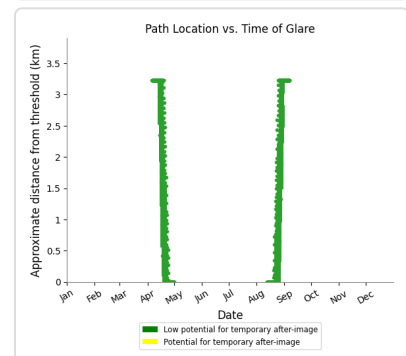
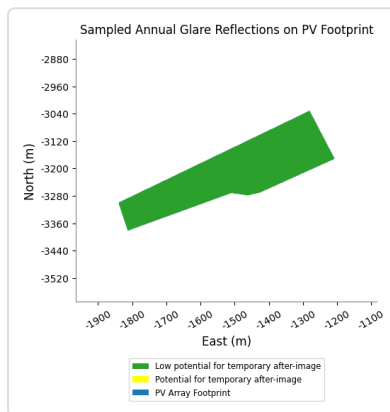
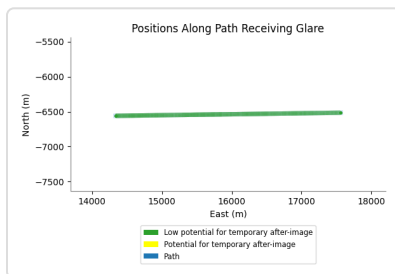
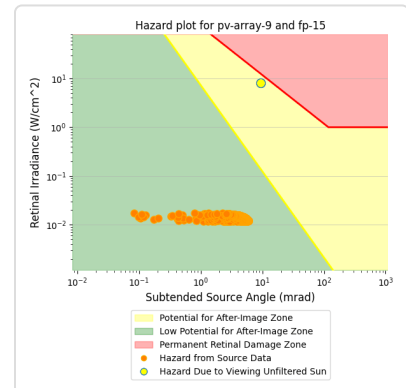
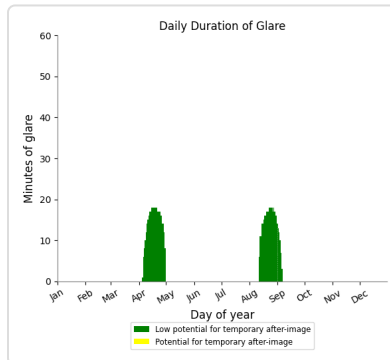
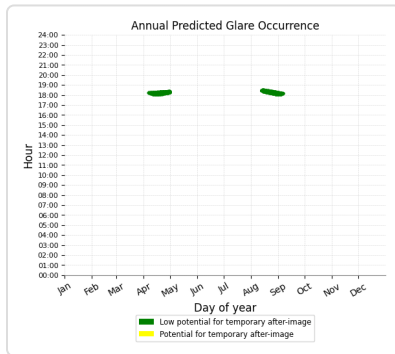
PV array 9 and Route: Route 8 - Field Lane

No glare found

PV array 9 and FP: FP 15 - Boston East

Yellow glare: none

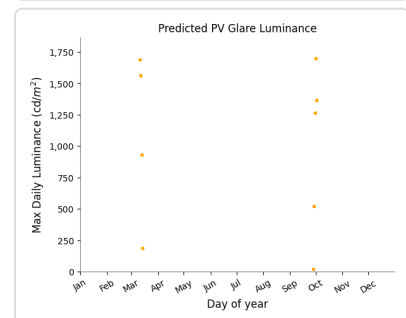
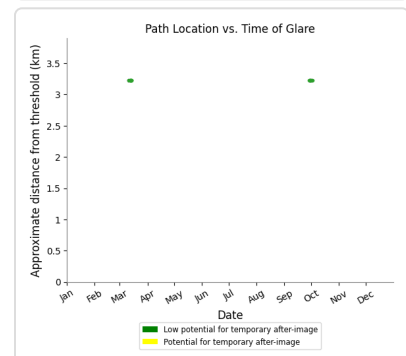
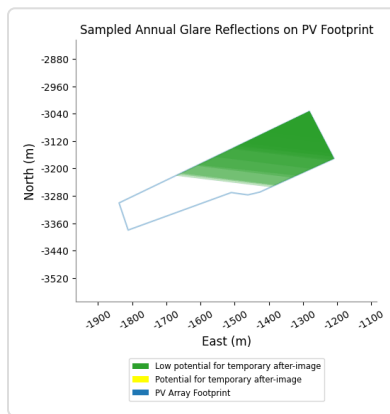
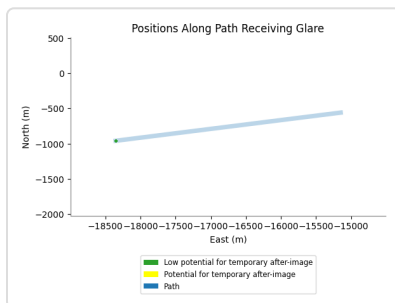
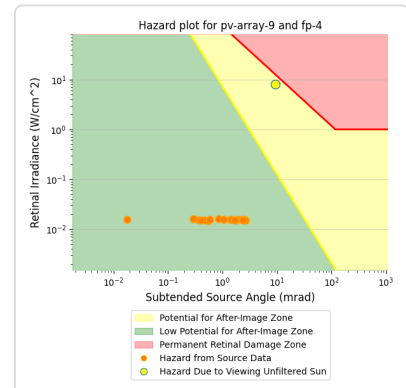
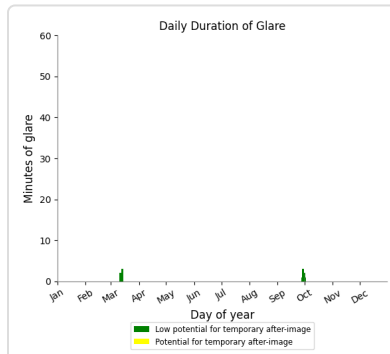
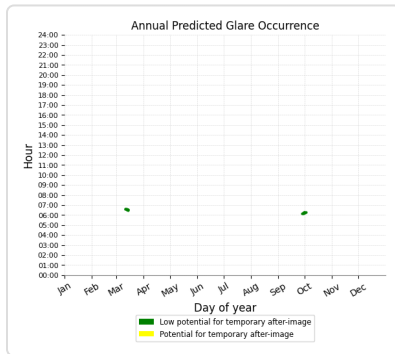
Green glare: 742 min.



PV array 9 and FP: FP 4 - RAF Cranwell West

Yellow glare: none

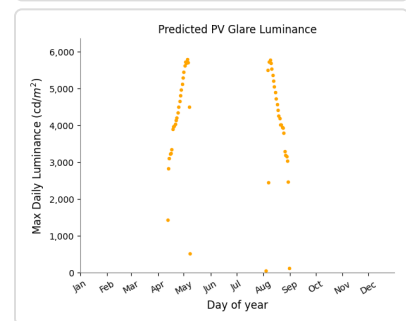
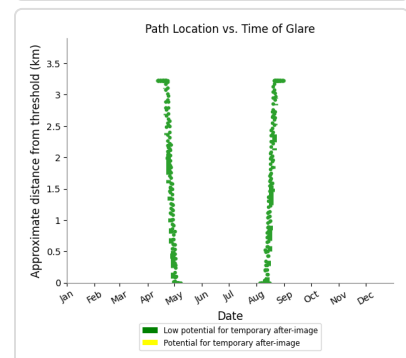
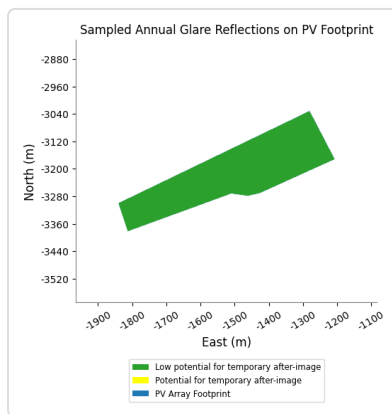
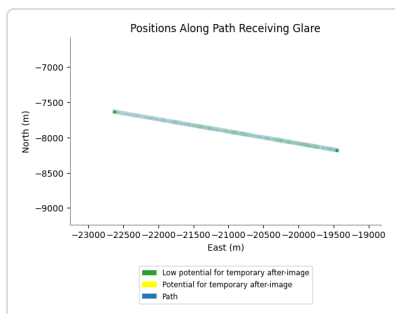
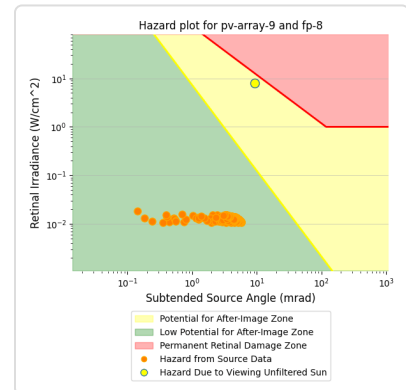
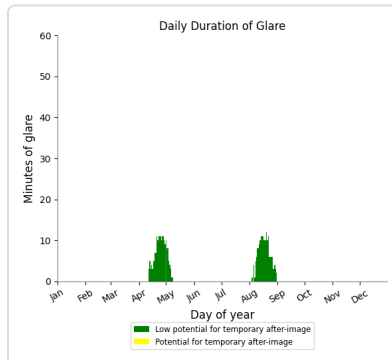
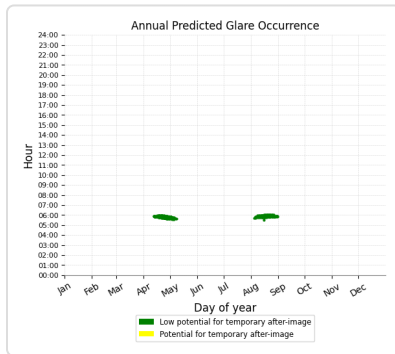
Green glare: 20 min.



PV array 9 and FP: FP 8 - RAF Barkston Heath NW

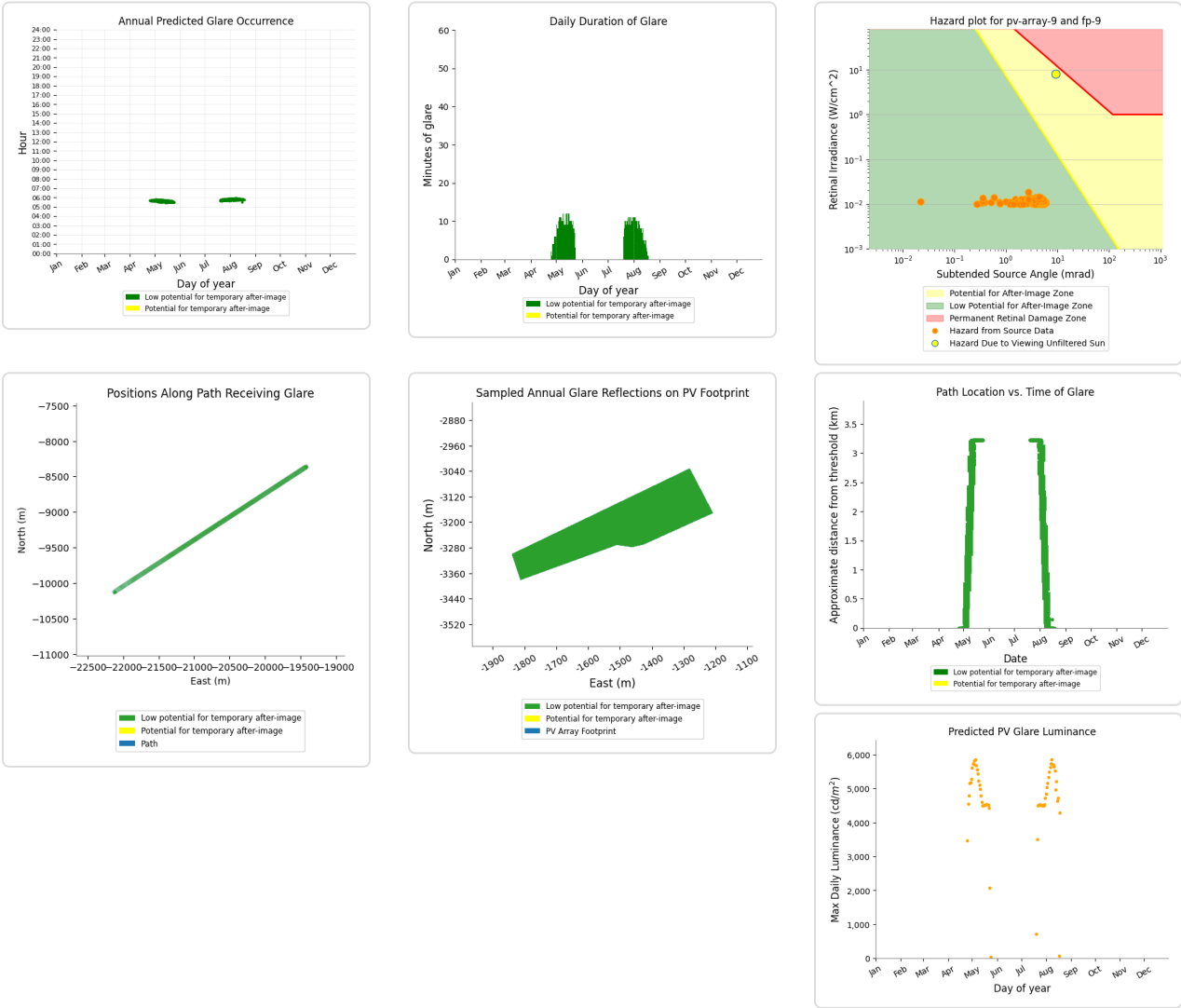
Yellow glare: none

Green glare: 374 min.



PV array 9 and FP: FP 9 - RAF Barkston Heath SW

Yellow glare: none
Green glare: 497 min.



PV array 9 and FP: FP 10 - RAF Barkston Heath NE

No glare found

PV array 9 and FP: FP 11 - RAF Barkston Heath South

No glare found

PV array 9 and FP: FP 12 - RAF Barkston Heath North

No glare found

PV array 9 and FP: FP 13 - Anwick East

No glare found

PV array 9 and FP: FP 14 - Anwick West

No glare found

PV array 9 and FP: FP 16 - Boston West

No glare found

PV array 9 and FP: FP 17 - Waddington South

No glare found

PV array 9 and FP: FP 18 - Waddington North

No glare found

PV array 9 and FP: FP 19 - Griffins Farm East

No glare found

PV array 9 and FP: FP 1 - RAF Coningsby East

No glare found

PV array 9 and FP: FP 20 - Griffins Farm West

No glare found

PV array 9 and FP: FP 2 - RAF Coningsby West

No glare found

PV array 9 and FP: FP 3 - RAF Cranwell East

No glare found

PV array 9 and FP: FP 5 - RAF Cranwell South

No glare found

PV array 9 and FP: FP 6 - RAF Cranwell North

No glare found

PV array 9 and FP: FP 7 - RAF Barkston Heath SE

No glare found

Assumptions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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FORGESOLAR GLARE ANALYSIS

Project: **Beacon Fen DCO**

Site configuration: **Beacon Fen Aviation**

Created 29 Jan, 2025

Updated 29 Jan, 2025

Time-step 1 minute

Timezone offset UTC0

Minimum sun altitude 0.0 deg

DNI peaks at 1,000.0 W/m²

Category 10 MW to 100 MW

Site ID 139910.16549

Ocular transmission coefficient 0.5

Pupil diameter 0.002 m

Eye focal length 0.017 m

Sun subtended angle 9.3 mrad

PV analysis methodology V2

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

PV Array	Tilt °	Orient °	Annual Green Glare		Annual Yellow Glare		Energy kWh	Peak Luminance
			min	hr	min	hr		cd/m ²
PV array 1	15.0	180.0	1,505	25.1	0	0.0	-	80,024
PV array 10	15.0	180.0	2,236	37.3	0	0.0	-	109,117
PV array 2	15.0	180.0	2,429	40.5	0	0.0	-	20,553
PV array 3	15.0	180.0	1,517	25.3	0	0.0	-	8,770
PV array 4	15.0	180.0	1,672	27.9	0	0.0	-	67,754
PV array 5	15.0	180.0	1,075	17.9	0	0.0	-	66,355
PV array 6	15.0	180.0	1,442	24.0	0	0.0	-	53,690
PV array 7	15.0	180.0	926	15.4	0	0.0	-	10,512
PV array 8	15.0	180.0	904	15.1	0	0.0	-	40,338
PV array 9	15.0	180.0	596	9.9	0	0.0	-	10,835

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

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
FP 10 - Sempringham Fen East	0	0.0	0	0.0
FP 11 - RAF Waddington North	0	0.0	0	0.0
FP 12 - RAF Waddington South	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
FP 13 - Griffins Farm East	0	0.0	0	0.0
FP 14 - Griffins Farm West	0	0.0	0	0.0
FP 15 - Whaley Farm West	0	0.0	0	0.0
FP 16 - Whaley Farm East	0	0.0	0	0.0
FP 17 - Whaley Farm North	0	0.0	0	0.0
FP 18 - Whaley Farm South	0	0.0	0	0.0
FP 1 - Bloxholm North	0	0.0	0	0.0
FP 2 - Bloxholm South	0	0.0	0	0.0
FP 3 - Hanbeck Farm NE	0	0.0	0	0.0
FP 4 - Hanbeck Farm SW	14,302	238.4	0	0.0
FP 5 - Pointon Airstrip East	0	0.0	0	0.0
FP 6 - Pointon Airstrip West	0	0.0	0	0.0
FP 7 - Decoy Farm East	0	0.0	0	0.0
FP 8 - Decoy Farm West	0	0.0	0	0.0
FP 9 - Sempringham Farm West	0	0.0	0	0.0

Component Data

PV Arrays

Name: PV array 1

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.033373	-0.282317	2.93	3.90	6.83
2	53.031957	-0.286292	3.00	3.90	6.90
3	53.031263	-0.285626	2.36	3.90	6.26
4	53.029799	-0.289074	2.00	0.00	2.00
5	53.029799	-0.289074	2.00	3.90	5.90
6	53.028251	-0.292597	2.00	3.90	5.90
7	53.026648	-0.296536	2.00	0.00	2.00
8	53.026648	-0.296536	2.00	3.90	5.90
9	53.024956	-0.300654	2.12	3.90	6.02
10	53.024854	-0.300422	2.46	3.90	6.36
11	53.024854	-0.300422	2.46	0.00	2.46
12	53.024711	-0.300039	3.17	3.90	7.07
13	53.024711	-0.300039	3.17	0.00	3.17
14	53.024547	-0.299543	3.40	0.00	3.40
15	53.024547	-0.299543	3.40	3.90	7.30
16	53.024496	-0.299335	3.44	0.00	3.44
17	53.024496	-0.299335	3.44	3.90	7.34
18	53.024539	-0.298910	3.13	3.90	7.03
19	53.024714	-0.298649	3.00	3.90	6.90
20	53.024714	-0.298649	3.00	0.00	3.00
21	53.024848	-0.298303	3.00	3.90	6.90
22	53.024228	-0.296512	3.72	3.90	7.62
23	53.023867	-0.297037	3.40	3.90	7.30
24	53.023728	-0.296898	3.61	0.00	3.61
25	53.023728	-0.296898	3.61	3.90	7.51
26	53.023552	-0.296445	3.96	3.90	7.86
27	53.023552	-0.296445	3.96	0.00	3.96
28	53.023424	-0.296161	3.95	3.90	7.85
29	53.021396	-0.293522	3.00	3.90	6.90
30	53.025630	-0.283521	3.00	3.90	6.90
31	53.027621	-0.278134	2.94	3.90	6.84
32	53.030828	-0.280178	2.00	0.00	2.00
33	53.030828	-0.280178	2.00	3.90	5.90
34	53.032180	-0.281186	2.00	3.90	5.90
35	53.032761	-0.281985	2.55	3.90	6.45
36	53.032761	-0.281985	2.55	0.00	2.55

Name: PV array 10

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.006163	-0.301434	6.00	3.50	9.50
2	53.003799	-0.309677	10.62	3.50	14.12
3	53.004620	-0.310081	10.00	3.50	13.50
4	53.006219	-0.310150	9.72	3.50	13.22
5	53.007575	-0.310687	9.48	3.50	12.98
6	53.008682	-0.311155	8.49	3.50	11.99
7	53.010618	-0.311295	8.69	3.50	12.19
8	53.011374	-0.311327	8.40	3.50	11.90
9	53.012432	-0.311595	11.84	3.50	15.34
10	53.013648	-0.306740	8.52	3.50	12.02
11	53.015429	-0.307941	10.30	3.50	13.80
12	53.014953	-0.309810	14.19	3.50	17.69
13	53.015156	-0.309772	14.14	3.50	17.64
14	53.015432	-0.309925	13.62	3.50	17.12
15	53.016113	-0.310435	11.76	3.50	15.26
16	53.016285	-0.310640	11.63	3.50	15.13
17	53.017198	-0.311058	10.12	3.50	13.62
18	53.017750	-0.311096	10.02	3.50	13.52
19	53.018010	-0.311007	9.87	3.50	13.37
20	53.018404	-0.310686	8.83	3.50	12.33
21	53.018805	-0.310138	8.00	3.50	11.50
22	53.019324	-0.309387	8.00	3.50	11.50
23	53.019450	-0.309151	8.00	3.50	11.50
24	53.019763	-0.308174	7.00	3.50	10.50
25	53.020729	-0.306035	5.03	3.50	8.53
26	53.021271	-0.305198	5.91	3.50	9.41
27	53.021716	-0.305037	6.00	3.50	9.50
28	53.022549	-0.305788	6.00	3.50	9.50
29	53.023001	-0.305072	5.66	0.00	5.66
30	53.023345	-0.304439	5.15	0.00	5.15
31	53.023452	-0.304366	5.00	3.50	8.50
32	53.024324	-0.302237	3.74	3.50	7.24
33	53.024621	-0.301523	2.68	0.00	2.68
34	53.024881	-0.300829	2.00	3.50	5.50
35	53.023377	-0.296249	3.89	3.50	7.39
36	53.021357	-0.293542	2.98	3.50	6.48
37	53.019361	-0.291026	3.96	3.50	7.46
38	53.016818	-0.297498	4.66	3.50	8.16
39	53.016303	-0.296821	4.89	3.50	8.39
40	53.013800	-0.295719	3.94	3.50	7.44
41	53.011810	-0.293954	2.04	3.50	5.54
42	53.010757	-0.296765	4.00	3.50	7.50
43	53.012248	-0.297817	4.82	3.50	8.32
44	53.010225	-0.304073	6.00	3.50	9.50
45	53.008616	-0.303295	6.00	3.50	9.50

Name: PV array 2

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.024538	-0.285913	2.00	3.90	5.90
2	53.023938	-0.287421	2.00	3.90	5.90
3	53.023938	-0.287421	2.00	0.00	2.00
4	53.023066	-0.289511	2.44	3.90	6.34
5	53.023066	-0.289511	2.44	0.00	2.44
6	53.021378	-0.293488	2.99	3.90	6.89
7	53.019400	-0.290964	3.90	3.90	7.80
8	53.020912	-0.287057	2.70	0.00	2.70
9	53.020912	-0.287057	2.70	3.90	6.60
10	53.022425	-0.283150	1.51	3.90	5.41
11	53.023622	-0.285020	2.98	3.90	6.88
12	53.023622	-0.285020	2.98	0.00	2.98

Name: PV array 3

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.026416	-0.281375	1.68	3.90	5.58
2	53.027626	-0.278097	2.99	3.90	6.89
3	53.025120	-0.276315	2.43	3.90	6.33
4	53.023820	-0.279553	1.53	3.90	5.43

Name: PV array 4

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

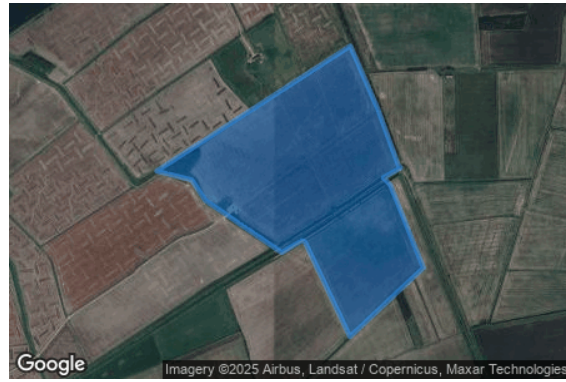
Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.025067	-0.276300	2.36	3.90	6.26
2	53.022459	-0.274404	2.55	3.90	6.45
3	53.020175	-0.273020	1.22	3.90	5.12
4	53.020052	-0.272853	1.04	3.90	4.94
5	53.019639	-0.274034	1.45	3.90	5.35
6	53.019349	-0.273561	1.59	3.90	5.49
7	53.015928	-0.271276	2.04	3.90	5.94
8	53.013088	-0.276330	3.00	3.90	6.90
9	53.017006	-0.279430	2.00	3.90	5.90
10	53.017051	-0.279653	2.00	3.90	5.90
11	53.016556	-0.281013	2.00	3.90	5.90
12	53.018703	-0.286264	3.00	3.90	6.90
13	53.019551	-0.287198	4.08	3.90	7.98
14	53.019916	-0.289612	4.08	3.90	7.98

Name: PV array 5

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.013049	-0.276350	3.00	3.50	6.50
2	53.010389	-0.280964	5.00	3.50	8.50
3	53.009402	-0.280095	4.49	3.50	7.99
4	53.010418	-0.281055	5.00	3.50	8.50
5	53.010402	-0.281388	5.00	3.50	8.50
6	53.010780	-0.281650	5.00	3.50	8.50
7	53.010680	-0.282943	5.00	3.50	8.50
8	53.009095	-0.281876	5.00	3.50	8.50
9	53.008624	-0.284107	5.00	3.50	8.50
10	53.008656	-0.284955	5.00	3.50	8.50
11	53.007988	-0.287251	5.34	3.50	8.84
12	53.007575	-0.288173	6.00	3.50	9.50
13	53.007388	-0.289472	6.00	3.50	9.50
14	53.007162	-0.290212	6.65	3.50	10.15
15	53.006706	-0.291939	7.06	3.50	10.56
16	53.006138	-0.293119	8.00	3.50	11.50
17	53.009036	-0.295490	4.99	3.50	8.49
18	53.010018	-0.292658	4.00	3.50	7.50
19	53.010949	-0.293366	2.96	3.50	6.46
20	53.011989	-0.289117	3.00	3.50	6.50
21	53.013214	-0.289829	3.92	3.50	7.42
22	53.015099	-0.284997	1.16	3.50	4.66
23	53.017012	-0.279559	2.00	3.50	5.50

Name: PV array 6

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.016780	-0.281508	1.72	3.90	5.62
2	53.018652	-0.286336	3.01	3.90	6.91
3	53.019510	-0.287215	4.08	3.90	7.98
4	53.019897	-0.289619	4.04	3.90	7.94
5	53.016791	-0.297446	4.70	3.90	8.60
6	53.016256	-0.296727	4.93	3.90	8.83
7	53.013839	-0.295622	4.00	3.90	7.90
8	53.011764	-0.293825	1.93	3.90	5.83
9	53.016550	-0.281026	2.00	3.90	5.90

Name: PV array 7

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.010681	-0.296830	4.00	3.90	7.90
2	53.013198	-0.289888	3.93	3.90	7.83
3	53.012004	-0.289169	3.00	3.90	6.90
4	53.010952	-0.293386	2.93	3.90	6.83
5	53.010029	-0.292688	4.00	3.90	7.90
6	53.009033	-0.295505	5.00	3.90	8.90

Name: PV array 8

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.010673	-0.296803	4.00	3.90	7.90
2	53.012196	-0.297833	4.84	3.90	8.74
3	53.010208	-0.304013	6.00	3.90	9.90
4	53.008607	-0.303219	6.00	3.90	9.90
5	53.006967	-0.301996	6.82	3.90	10.72
6	53.004885	-0.300325	6.63	3.90	10.53
7	53.004659	-0.298888	7.26	3.90	11.16
8	53.005591	-0.296812	7.75	3.90	11.65
9	53.006111	-0.293132	8.00	3.90	11.90

Name: PV array 9

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

Orientation: 180.0°

Rated power: -

Panel material: Smooth glass with AR coating

Reflectivity: Vary with sun

Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	53.006117	-0.301417	6.00	3.90	9.90
2	53.003716	-0.309721	10.74	3.90	14.64
3	53.003002	-0.309324	11.27	3.90	15.17
4	53.003987	-0.304824	8.69	3.90	12.59
5	53.003926	-0.304094	8.73	3.90	12.63
6	53.003998	-0.303579	7.78	3.90	11.68
7	53.004879	-0.300336	6.62	3.90	10.52
8	53.006117	-0.301409	6.00	3.90	9.90

Flight Path Receptors

Name: FP 10 - Sempringham Fen East

Description:

Threshold height: 15 m

Direction: 277.9°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.880387	-0.292633	2.16	15.24	17.40
Two-mile	52.876398	-0.245126	3.16	182.93	186.08

Name: FP 11 - RAF Waddington North

Description:

Threshold height: 15 m

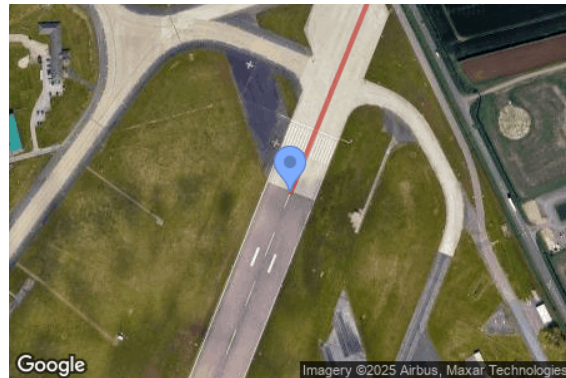
Direction: 202.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.176301	-0.517144	66.50	15.24	81.74
Two-mile	53.203104	-0.499037	46.91	203.51	250.42

Name: FP 12 - RAF Waddington South

Description:

Threshold height: 15 m

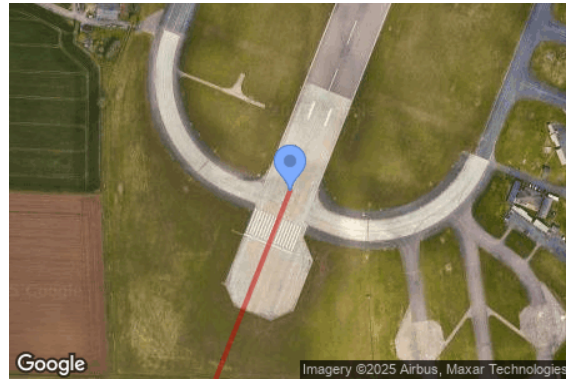
Direction: 21.6°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.154909	-0.531303	68.52	15.24	83.76
Two-mile	53.128029	-0.549080	32.83	219.62	252.44

Name: FP 13 - Griffins Farm East

Description:

Threshold height: 15 m

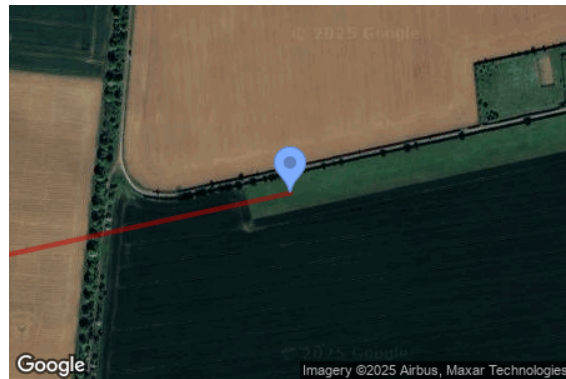
Direction: 77.7°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.076819	-0.515345	72.26	15.24	87.50
Two-mile	53.070660	-0.562423	39.21	216.97	256.19

Name: FP 14 - Griffins Farm West

Description:

Threshold height: 15 m

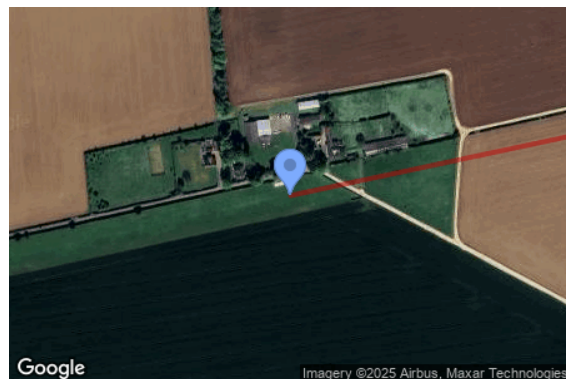
Direction: 258.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.077708	-0.508653	69.34	15.24	84.58
Two-mile	53.083700	-0.461514	42.60	210.67	253.27

Name: FP 15 - Whaley Farm West

Description:

Threshold height: 15 m

Direction: 85.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.066860	-0.156219	3.00	15.24	18.24
Two-mile	53.064360	-0.204212	1.77	185.16	186.92

Name: FP 16 - Whaley Farm East

Description:

Threshold height: 15 m

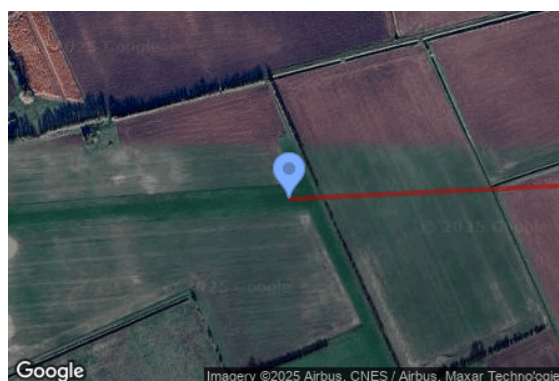
Direction: 267.2°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.067202	-0.148418	3.76	15.24	19.00
Two-mile	53.068609	-0.100302	3.71	183.97	187.68

Name: FP 17 - Whaley Farm North

Description:

Threshold height: 15 m

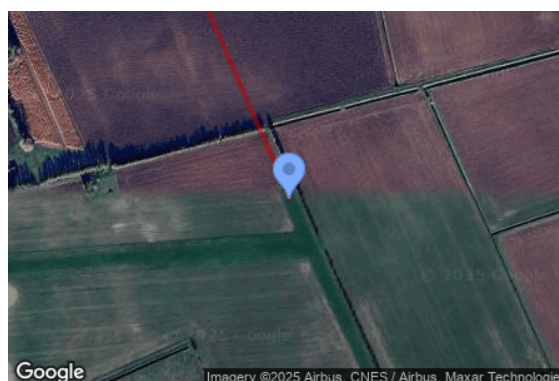
Direction: 156.4°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.067696	-0.148413	3.56	15.24	18.80
Two-mile	53.094182	-0.167730	15.00	172.48	187.49

Name: FP 18 - Whaley Farm South

Description:

Threshold height: 15 m

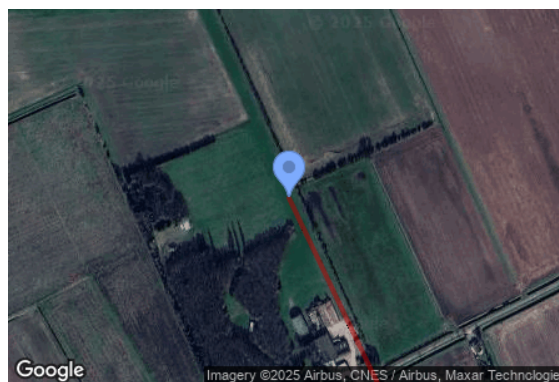
Direction: 334.4°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.065107	-0.146502	4.00	15.24	19.24
Two-mile	53.039026	-0.125710	3.31	184.61	187.92

Name: FP 1 - Bloxholm North

Description:

Threshold height: 15 m

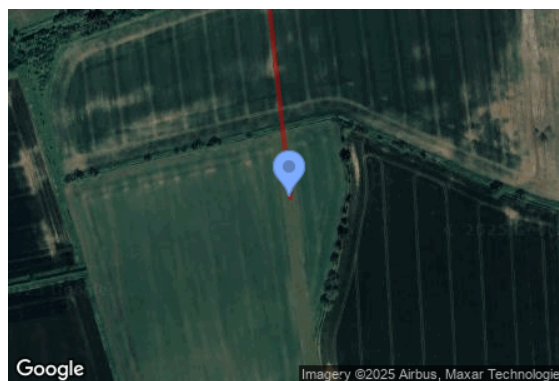
Direction: 173.8°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.057756	-0.428135	27.33	15.24	42.57
Two-mile	53.086497	-0.433378	28.19	183.06	211.26

Name: FP 2 - Bloxholm South

Description:

Threshold height: 15 m

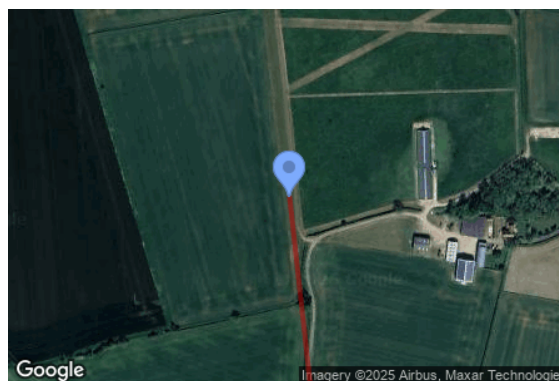
Direction: 353.7°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	53.053524	-0.427244	27.30	15.24	42.54
Two-mile	53.024786	-0.421959	23.39	187.84	211.22

Name: FP 3 - Hanbeck Farm NE

Description:

Threshold height: 15 m

Direction: 243.3°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.978437	-0.483287	26.07	15.24	41.31
Two-mile	52.991410	-0.440323	18.37	191.63	210.00

Name: FP 4 - Hanbeck Farm SW

Description:

Threshold height: 15 m

Direction: 62.3°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.975252	-0.493456	28.94	15.24	44.18
Two-mile	52.961799	-0.536006	86.32	126.55	212.87

Name: FP 5 - Pointon Airstrip East

Description:

Threshold height: 15 m

Direction: 269.5°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.872637	-0.356694	15.96	15.24	31.20
Two-mile	52.872879	-0.308738	2.13	197.76	199.89

Name: FP 6 - Pointon Airstrip West

Description:

Threshold height: 15 m

Direction: 91.2°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.872663	-0.360041	18.70	15.24	33.94
Two-mile	52.873294	-0.407987	44.45	158.18	202.63

Name: FP 7 - Decoy Farm East

Description:

Threshold height: 15 m

Direction: 271.0°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.865511	-0.300692	3.10	15.24	18.34
Two-mile	52.864997	-0.252750	2.45	184.58	187.02

Name: FP 8 - Decoy Farm West

Description:

Threshold height: 15 m

Direction: 89.3°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.865476	-0.307548	2.50	15.24	17.74
Two-mile	52.865118	-0.355494	29.22	157.20	186.42

Name: FP 9 - Sempringham Farm West

Description:

Threshold height: 15 m

Direction: 98.2°

Glide slope: 3.0°

Pilot view restricted? Yes

Vertical view: 30.0°

Azimuthal view: 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
Threshold	52.881065	-0.299824	2.43	15.24	17.67
Two-mile	52.885184	-0.347302	14.94	171.42	186.36

Glare Analysis Results

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

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy	Peak Luminance
	°	°	min	hr	min	hr	kWh	cd/m ²
PV array 1	15.0	180.0	1,505	25.1	0	0.0	-	80,024
PV array 10	15.0	180.0	2,236	37.3	0	0.0	-	109,117
PV array 2	15.0	180.0	2,429	40.5	0	0.0	-	20,553
PV array 3	15.0	180.0	1,517	25.3	0	0.0	-	8,770
PV array 4	15.0	180.0	1,672	27.9	0	0.0	-	67,754
PV array 5	15.0	180.0	1,075	17.9	0	0.0	-	66,355
PV array 6	15.0	180.0	1,442	24.0	0	0.0	-	53,690
PV array 7	15.0	180.0	926	15.4	0	0.0	-	10,512
PV array 8	15.0	180.0	904	15.1	0	0.0	-	40,338
PV array 9	15.0	180.0	596	9.9	0	0.0	-	10,835

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

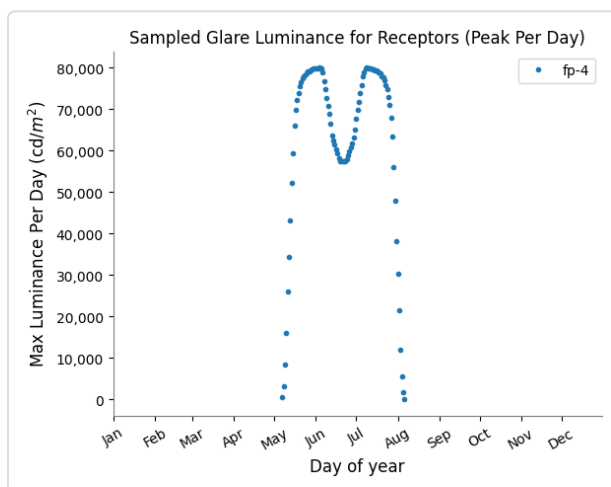
Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
FP 10 - Sempringham Fen East	0	0.0	0	0.0
FP 11 - RAF Waddington North	0	0.0	0	0.0
FP 12 - RAF Waddington South	0	0.0	0	0.0
FP 13 - Griffins Farm East	0	0.0	0	0.0
FP 14 - Griffins Farm West	0	0.0	0	0.0
FP 15 - Whaley Farm West	0	0.0	0	0.0
FP 16 - Whaley Farm East	0	0.0	0	0.0
FP 17 - Whaley Farm North	0	0.0	0	0.0
FP 18 - Whaley Farm South	0	0.0	0	0.0
FP 1 - Bloxholm North	0	0.0	0	0.0
FP 2 - Bloxholm South	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
FP 3 - Hanbeck Farm NE	0	0.0	0	0.0
FP 4 - Hanbeck Farm SW	14,302	238.4	0	0.0
FP 5 - Pointon Airstrip East	0	0.0	0	0.0
FP 6 - Pointon Airstrip West	0	0.0	0	0.0
FP 7 - Decoy Farm East	0	0.0	0	0.0
FP 8 - Decoy Farm West	0	0.0	0	0.0
FP 9 - Sempringham Farm West	0	0.0	0	0.0

PV: PV array 1 low potential for temporary after-image

Receptor results ordered by category of glare

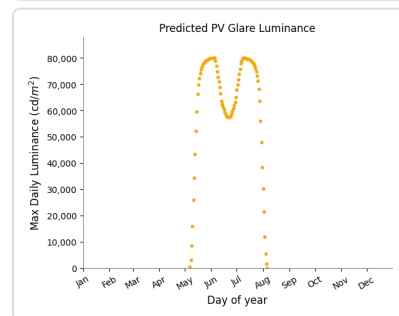
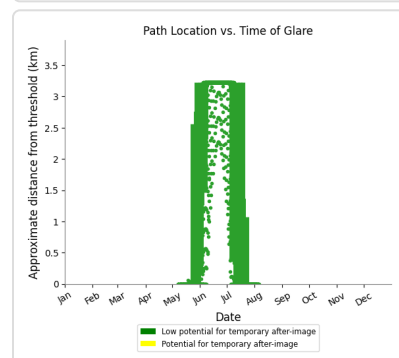
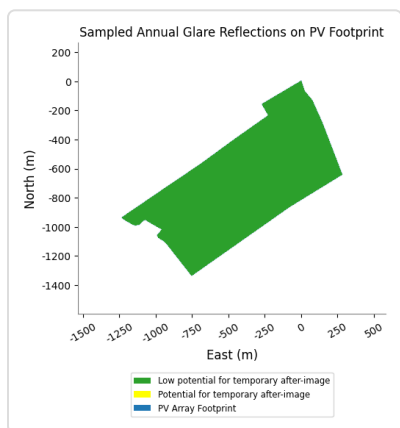
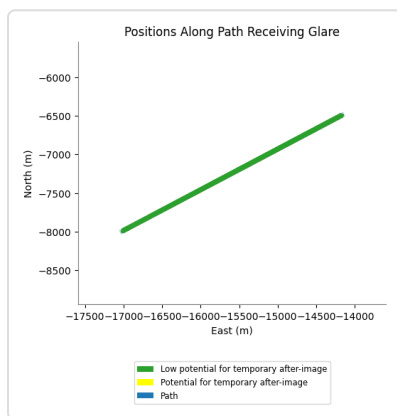
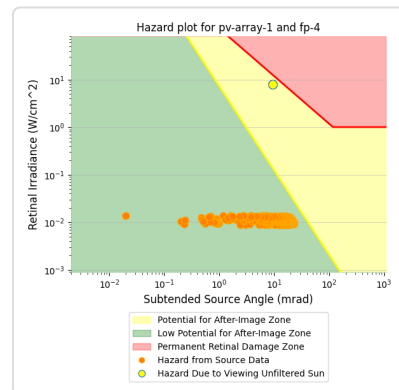
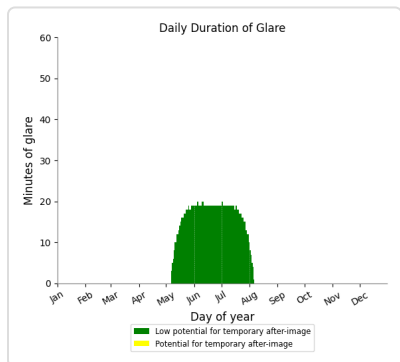
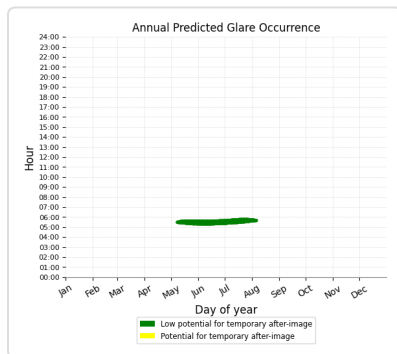
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
FP 4 - Hanbeck Farm SW	1,505	25.1	0	0.0	80,024
FP 10 - Sempringham Fen East	0	0.0	0	0.0	0
FP 11 - RAF Waddington North	0	0.0	0	0.0	0
FP 12 - RAF Waddington South	0	0.0	0	0.0	0
FP 13 - Griffins Farm East	0	0.0	0	0.0	0
FP 14 - Griffins Farm West	0	0.0	0	0.0	0
FP 15 - Whaley Farm West	0	0.0	0	0.0	0
FP 16 - Whaley Farm East	0	0.0	0	0.0	0
FP 17 - Whaley Farm North	0	0.0	0	0.0	0
FP 18 - Whaley Farm South	0	0.0	0	0.0	0
FP 1 - Bloxholm North	0	0.0	0	0.0	0
FP 2 - Bloxholm South	0	0.0	0	0.0	0
FP 3 - Hanbeck Farm NE	0	0.0	0	0.0	0
FP 5 - Pointon Airstrip East	0	0.0	0	0.0	0
FP 6 - Pointon Airstrip West	0	0.0	0	0.0	0
FP 7 - Decoy Farm East	0	0.0	0	0.0	0
FP 8 - Decoy Farm West	0	0.0	0	0.0	0
FP 9 - Sempringham Farm West	0	0.0	0	0.0	0



PV array 1 and FP: FP 4 - Hanbeck Farm SW

Yellow glare: none

Green glare: 1,505 min.



PV array 1 and FP: FP 10 - Sempringham Fen East

No glare found

PV array 1 and FP: FP 11 - RAF Waddington North

No glare found

PV array 1 and FP: FP 12 - RAF Waddington South

No glare found

PV array 1 and FP: FP 13 - Griffins Farm East

No glare found

PV array 1 and FP: FP 14 - Griffins Farm West

No glare found

PV array 1 and FP: FP 15 - Whaley Farm West

No glare found

PV array 1 and FP: FP 16 - Whaley Farm East

No glare found

PV array 1 and FP: FP 17 - Whaley Farm North

No glare found

PV array 1 and FP: FP 18 - Whaley Farm South

No glare found

PV array 1 and FP: FP 1 - Bloxholm North

No glare found

PV array 1 and FP: FP 2 - Bloxholm South

No glare found

PV array 1 and FP: FP 3 - Hanbeck Farm NE

No glare found

PV array 1 and FP: FP 5 - Pointon Airstrip East

No glare found

PV array 1 and FP: FP 6 - Pointon Airstrip West

No glare found

PV array 1 and FP: FP 7 - Decoy Farm East

No glare found

PV array 1 and FP: FP 8 - Decoy Farm West

No glare found

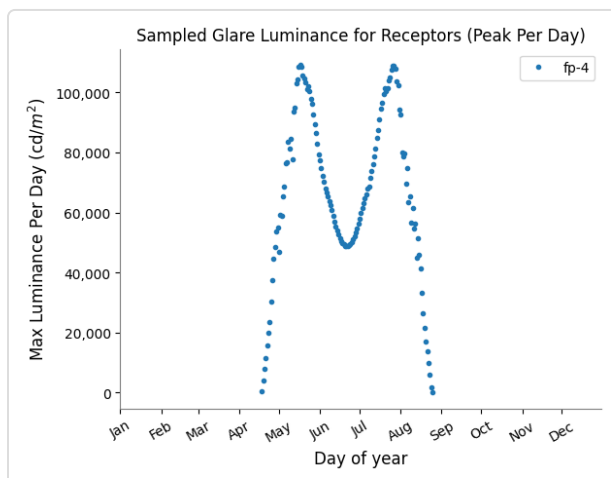
PV array 1 and FP: FP 9 - Sempringham Farm West

No glare found

PV: PV array 10 low potential for temporary after-image

Receptor results ordered by category of glare

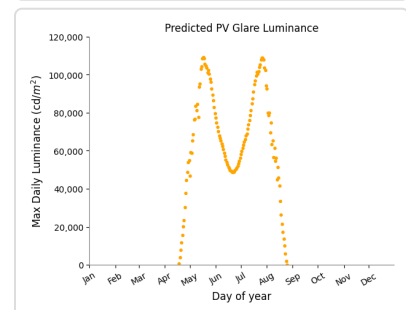
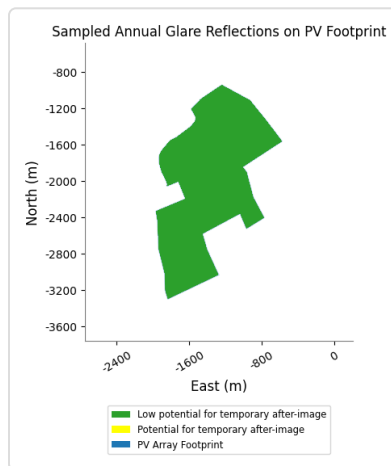
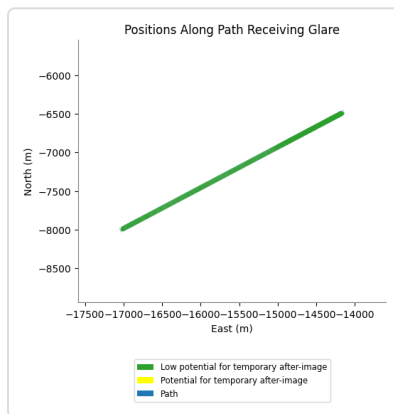
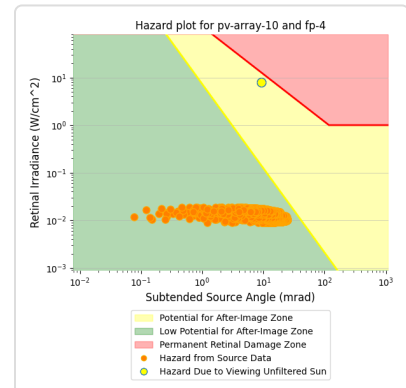
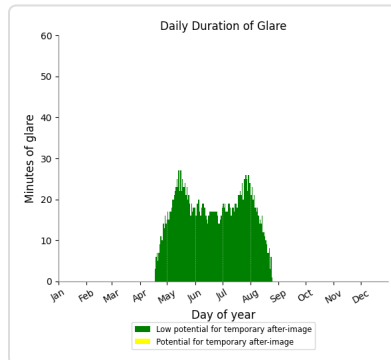
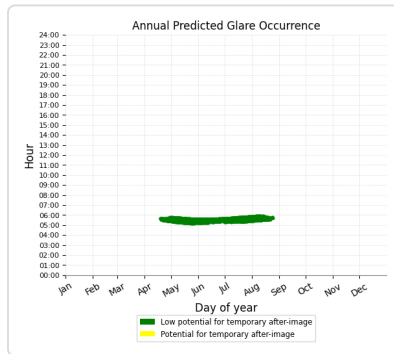
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
FP 4 - Hanbeck Farm SW	2,236	37.3	0	0.0	109,117
FP 10 - Sempringham Fen East	0	0.0	0	0.0	0
FP 11 - RAF Waddington North	0	0.0	0	0.0	0
FP 12 - RAF Waddington South	0	0.0	0	0.0	0
FP 13 - Griffins Farm East	0	0.0	0	0.0	0
FP 14 - Griffins Farm West	0	0.0	0	0.0	0
FP 15 - Whaley Farm West	0	0.0	0	0.0	0
FP 16 - Whaley Farm East	0	0.0	0	0.0	0
FP 17 - Whaley Farm North	0	0.0	0	0.0	0
FP 18 - Whaley Farm South	0	0.0	0	0.0	0
FP 1 - Bloxholm North	0	0.0	0	0.0	0
FP 2 - Bloxholm South	0	0.0	0	0.0	0
FP 3 - Hanbeck Farm NE	0	0.0	0	0.0	0
FP 5 - Pointon Airstrip East	0	0.0	0	0.0	0
FP 6 - Pointon Airstrip West	0	0.0	0	0.0	0
FP 7 - Decoy Farm East	0	0.0	0	0.0	0
FP 8 - Decoy Farm West	0	0.0	0	0.0	0
FP 9 - Sempringham Farm West	0	0.0	0	0.0	0



PV array 10 and FP: FP 4 - Hanbeck Farm SW

Yellow glare: none

Green glare: 2,236 min.



PV array 10 and FP: FP 10 - Sempringham Fen East

No glare found

PV array 10 and FP: FP 11 - RAF Waddington North

No glare found

PV array 10 and FP: FP 12 - RAF Waddington South

No glare found

PV array 10 and FP: FP 13 - Griffins Farm East

No glare found

PV array 10 and FP: FP 14 - Griffins Farm West

No glare found

PV array 10 and FP: FP 15 - Whaley Farm West

No glare found

PV array 10 and FP: FP 16 - Whaley Farm East

No glare found

PV array 10 and FP: FP 17 - Whaley Farm North

No glare found

PV array 10 and FP: FP 18 - Whaley Farm South

No glare found

PV array 10 and FP: FP 1 - Bloxholm North

No glare found

PV array 10 and FP: FP 2 - Bloxholm South

No glare found

PV array 10 and FP: FP 3 - Hanbeck Farm NE

No glare found

PV array 10 and FP: FP 5 - Pointon Airstrip East

No glare found

PV array 10 and FP: FP 6 - Pointon Airstrip West

No glare found

PV array 10 and FP: FP 7 - Decoy Farm East

No glare found

PV array 10 and FP: FP 8 - Decoy Farm West

No glare found

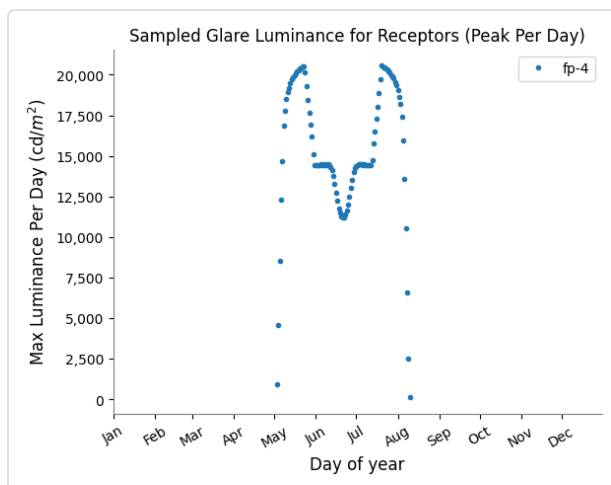
PV array 10 and FP: FP 9 - Sempringham Farm West

No glare found

PV: PV array 2 low potential for temporary after-image

Receptor results ordered by category of glare

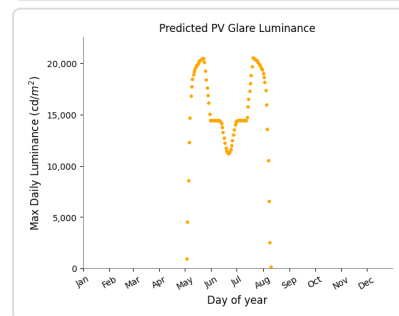
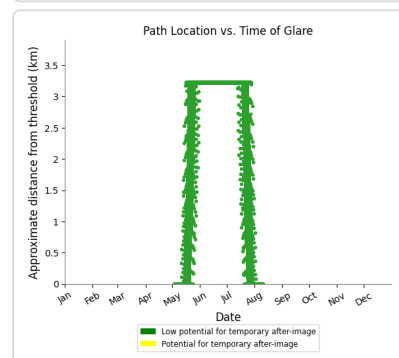
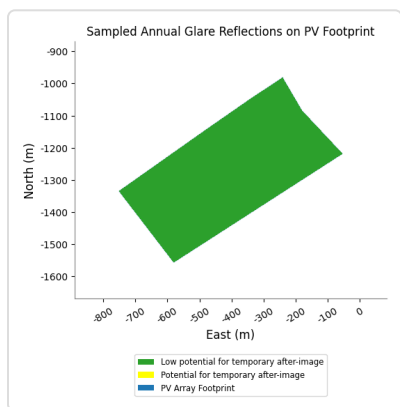
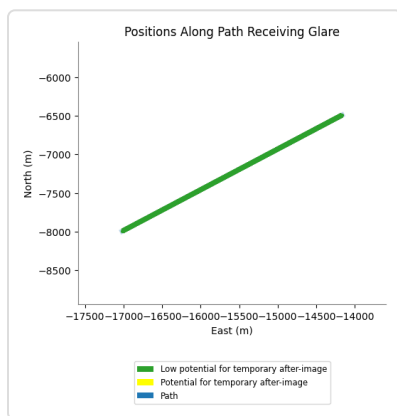
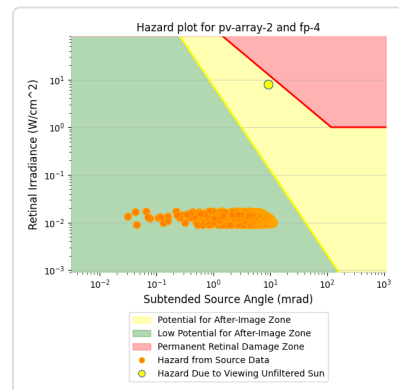
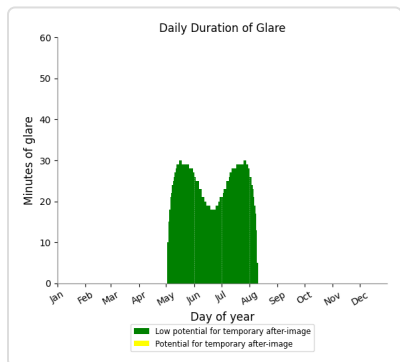
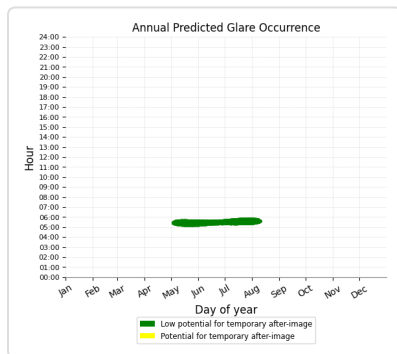
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
FP 4 - Hanbeck Farm SW	2,429	40.5	0	0.0	20,553
FP 10 - Sempringham Fen East	0	0.0	0	0.0	0
FP 11 - RAF Waddington North	0	0.0	0	0.0	0
FP 12 - RAF Waddington South	0	0.0	0	0.0	0
FP 13 - Griffins Farm East	0	0.0	0	0.0	0
FP 14 - Griffins Farm West	0	0.0	0	0.0	0
FP 15 - Whaley Farm West	0	0.0	0	0.0	0
FP 16 - Whaley Farm East	0	0.0	0	0.0	0
FP 17 - Whaley Farm North	0	0.0	0	0.0	0
FP 18 - Whaley Farm South	0	0.0	0	0.0	0
FP 1 - Bloxholm North	0	0.0	0	0.0	0
FP 2 - Bloxholm South	0	0.0	0	0.0	0
FP 3 - Hanbeck Farm NE	0	0.0	0	0.0	0
FP 5 - Pointon Airstrip East	0	0.0	0	0.0	0
FP 6 - Pointon Airstrip West	0	0.0	0	0.0	0
FP 7 - Decoy Farm East	0	0.0	0	0.0	0
FP 8 - Decoy Farm West	0	0.0	0	0.0	0
FP 9 - Sempringham Farm West	0	0.0	0	0.0	0



PV array 2 and FP: FP 4 - Hanbeck Farm SW

Yellow glare: none

Green glare: 2,429 min.



PV array 2 and FP: FP 10 - Sempringham Fen East

No glare found

PV array 2 and FP: FP 11 - RAF Waddington North

No glare found

PV array 2 and FP: FP 12 - RAF Waddington South

No glare found

PV array 2 and FP: FP 13 - Griffins Farm East

No glare found

PV array 2 and FP: FP 14 - Griffins Farm West

No glare found

PV array 2 and FP: FP 15 - Whaley Farm West

No glare found

PV array 2 and FP: FP 16 - Whaley Farm East

No glare found

PV array 2 and FP: FP 17 - Whaley Farm North

No glare found

PV array 2 and FP: FP 18 - Whaley Farm South

No glare found

PV array 2 and FP: FP 1 - Bloxholm North

No glare found

PV array 2 and FP: FP 2 - Bloxholm South

No glare found

PV array 2 and FP: FP 3 - Hanbeck Farm NE

No glare found

PV array 2 and FP: FP 5 - Pointon Airstrip East

No glare found

PV array 2 and FP: FP 6 - Pointon Airstrip West

No glare found

PV array 2 and FP: FP 7 - Decoy Farm East

No glare found

PV array 2 and FP: FP 8 - Decoy Farm West

No glare found

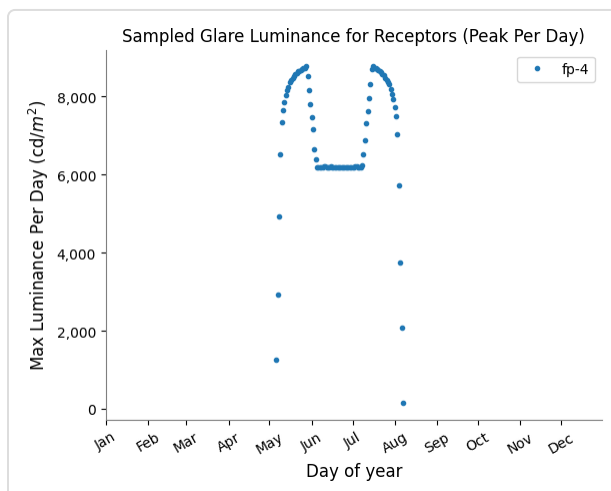
PV array 2 and FP: FP 9 - Sempringham Farm West

No glare found

PV: PV array 3 low potential for temporary after-image

Receptor results ordered by category of glare

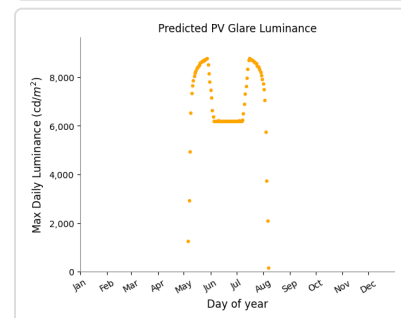
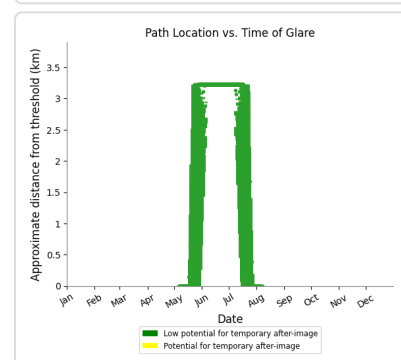
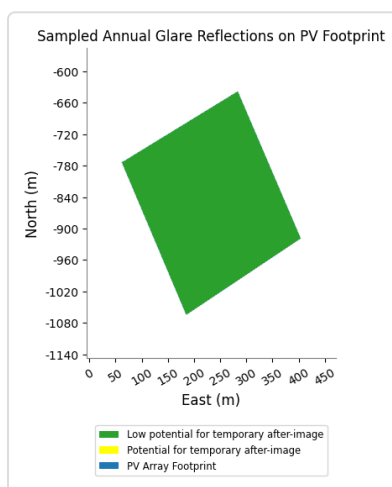
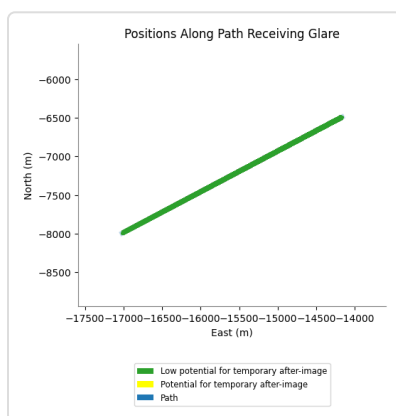
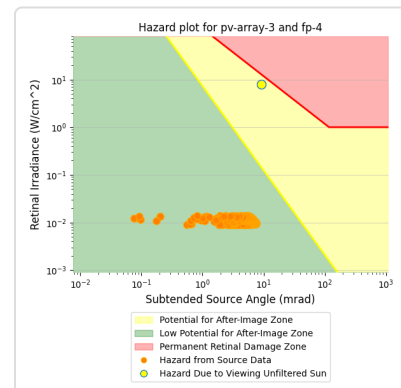
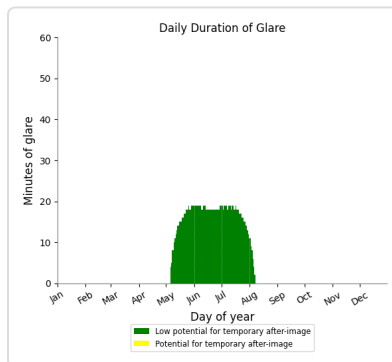
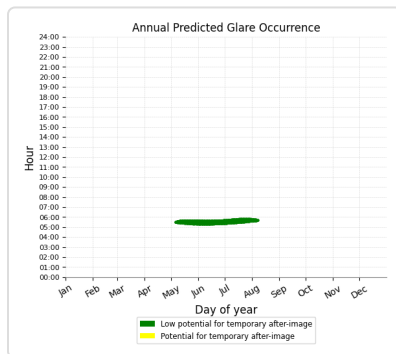
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
FP 4 - Hanbeck Farm SW	1,517	25.3	0	0.0	8,770
FP 10 - Sempringham Fen East	0	0.0	0	0.0	0
FP 11 - RAF Waddington North	0	0.0	0	0.0	0
FP 12 - RAF Waddington South	0	0.0	0	0.0	0
FP 13 - Griffins Farm East	0	0.0	0	0.0	0
FP 14 - Griffins Farm West	0	0.0	0	0.0	0
FP 15 - Whaley Farm West	0	0.0	0	0.0	0
FP 16 - Whaley Farm East	0	0.0	0	0.0	0
FP 17 - Whaley Farm North	0	0.0	0	0.0	0
FP 18 - Whaley Farm South	0	0.0	0	0.0	0
FP 1 - Bloxholm North	0	0.0	0	0.0	0
FP 2 - Bloxholm South	0	0.0	0	0.0	0
FP 3 - Hanbeck Farm NE	0	0.0	0	0.0	0
FP 5 - Pointon Airstrip East	0	0.0	0	0.0	0
FP 6 - Pointon Airstrip West	0	0.0	0	0.0	0
FP 7 - Decoy Farm East	0	0.0	0	0.0	0
FP 8 - Decoy Farm West	0	0.0	0	0.0	0
FP 9 - Sempringham Farm West	0	0.0	0	0.0	0



PV array 3 and FP: FP 4 - Hanbeck Farm SW

Yellow glare: none

Green glare: 1,517 min.



PV array 3 and FP: FP 10 - Sempringham Fen East

No glare found

PV array 3 and FP: FP 11 - RAF Waddington North

No glare found

PV array 3 and FP: FP 12 - RAF Waddington South

No glare found

PV array 3 and FP: FP 13 - Griffins Farm East

No glare found

PV array 3 and FP: FP 14 - Griffins Farm West

No glare found

PV array 3 and FP: FP 15 - Whaley Farm West

No glare found

PV array 3 and FP: FP 16 - Whaley Farm East

No glare found

PV array 3 and FP: FP 17 - Whaley Farm North

No glare found

PV array 3 and FP: FP 18 - Whaley Farm South

No glare found

PV array 3 and FP: FP 1 - Bloxholm North

No glare found

PV array 3 and FP: FP 2 - Bloxholm South

No glare found

PV array 3 and FP: FP 3 - Hanbeck Farm NE

No glare found

PV array 3 and FP: FP 5 - Pointon Airstrip East

No glare found

PV array 3 and FP: FP 6 - Pointon Airstrip West

No glare found

PV array 3 and FP: FP 7 - Decoy Farm East

No glare found

PV array 3 and FP: FP 8 - Decoy Farm West

No glare found

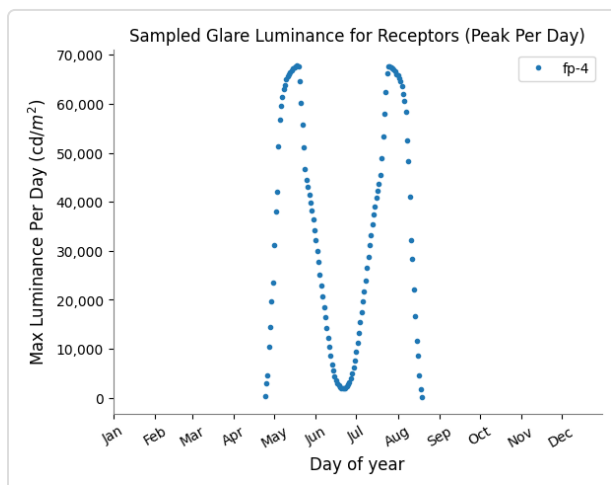
PV array 3 and FP: FP 9 - Sempringham Farm West

No glare found

PV: PV array 4 low potential for temporary after-image

Receptor results ordered by category of glare

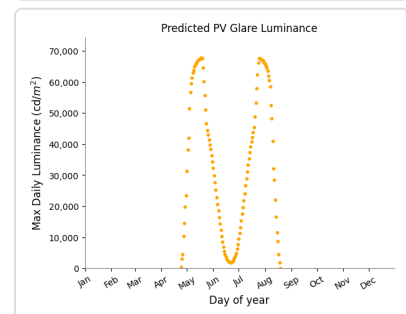
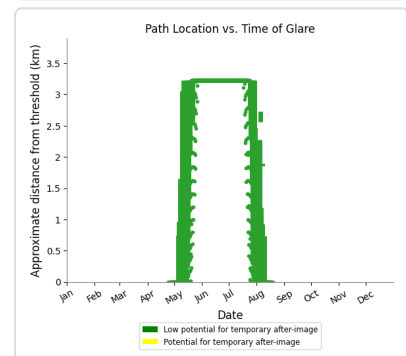
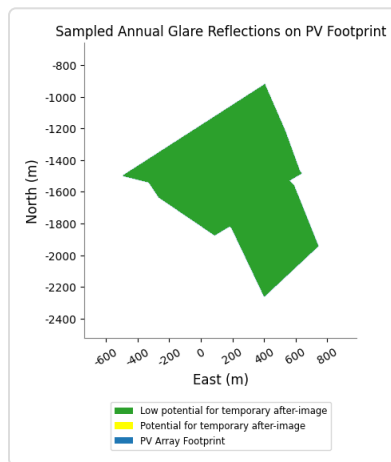
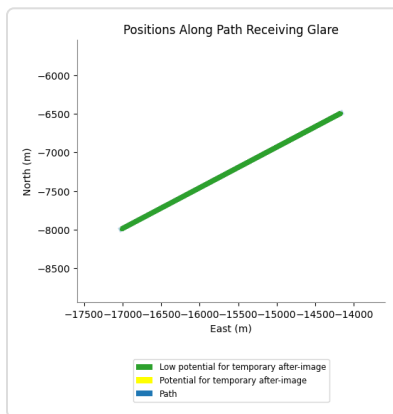
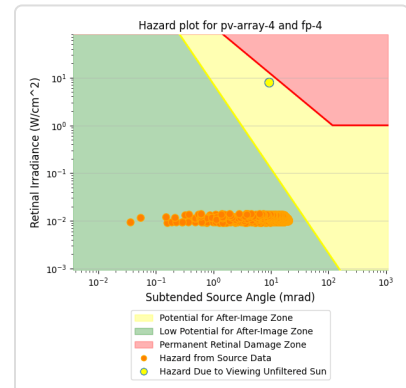
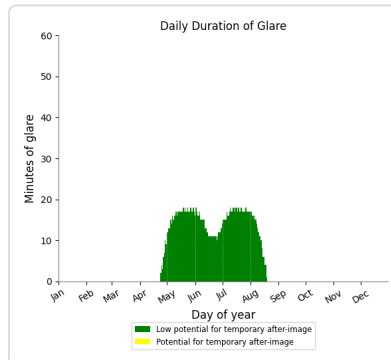
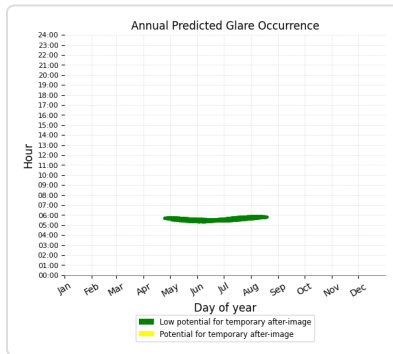
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
FP 4 - Hanbeck Farm SW	1,672	27.9	0	0.0	67,754
FP 10 - Sempringham Fen East	0	0.0	0	0.0	0
FP 11 - RAF Waddington North	0	0.0	0	0.0	0
FP 12 - RAF Waddington South	0	0.0	0	0.0	0
FP 13 - Griffins Farm East	0	0.0	0	0.0	0
FP 14 - Griffins Farm West	0	0.0	0	0.0	0
FP 15 - Whaley Farm West	0	0.0	0	0.0	0
FP 16 - Whaley Farm East	0	0.0	0	0.0	0
FP 17 - Whaley Farm North	0	0.0	0	0.0	0
FP 18 - Whaley Farm South	0	0.0	0	0.0	0
FP 1 - Bloxholm North	0	0.0	0	0.0	0
FP 2 - Bloxholm South	0	0.0	0	0.0	0
FP 3 - Hanbeck Farm NE	0	0.0	0	0.0	0
FP 5 - Pointon Airstrip East	0	0.0	0	0.0	0
FP 6 - Pointon Airstrip West	0	0.0	0	0.0	0
FP 7 - Decoy Farm East	0	0.0	0	0.0	0
FP 8 - Decoy Farm West	0	0.0	0	0.0	0
FP 9 - Sempringham Farm West	0	0.0	0	0.0	0



PV array 4 and FP: FP 4 - Hanbeck Farm SW

Yellow glare: none

Green glare: 1,672 min.



PV array 4 and FP: FP 10 - Sempringham Fen East

No glare found

PV array 4 and FP: FP 11 - RAF Waddington North

No glare found

PV array 4 and FP: FP 12 - RAF Waddington South

No glare found

PV array 4 and FP: FP 13 - Griffins Farm East

No glare found

PV array 4 and FP: FP 14 - Griffins Farm West

No glare found

PV array 4 and FP: FP 15 - Whaley Farm West

No glare found

PV array 4 and FP: FP 16 - Whaley Farm East

No glare found

PV array 4 and FP: FP 17 - Whaley Farm North

No glare found

PV array 4 and FP: FP 18 - Whaley Farm South

No glare found

PV array 4 and FP: FP 1 - Bloxholm North

No glare found

PV array 4 and FP: FP 2 - Bloxholm South

No glare found

PV array 4 and FP: FP 3 - Hanbeck Farm NE

No glare found

PV array 4 and FP: FP 5 - Pointon Airstrip East

No glare found

PV array 4 and FP: FP 6 - Pointon Airstrip West

No glare found

PV array 4 and FP: FP 7 - Decoy Farm East

No glare found

PV array 4 and FP: FP 8 - Decoy Farm West

No glare found

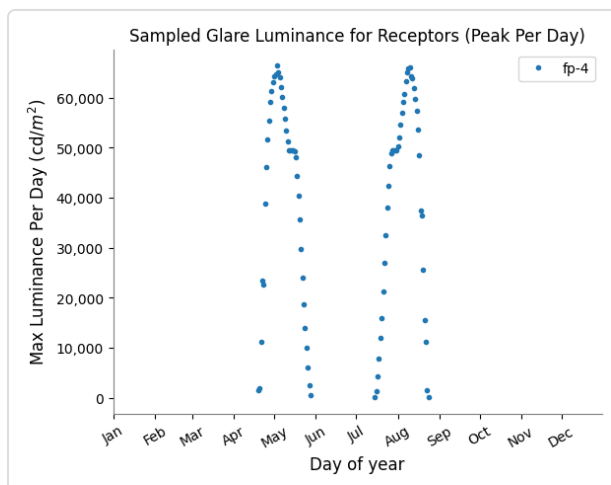
PV array 4 and FP: FP 9 - Sempringham Farm West

No glare found

PV: PV array 5 low potential for temporary after-image

Receptor results ordered by category of glare

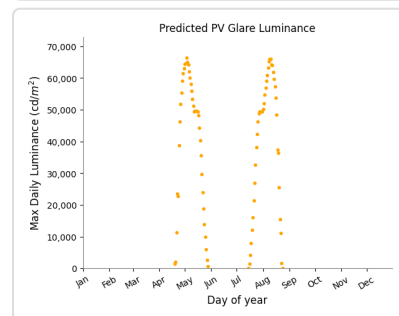
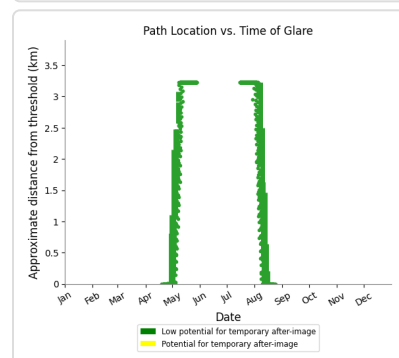
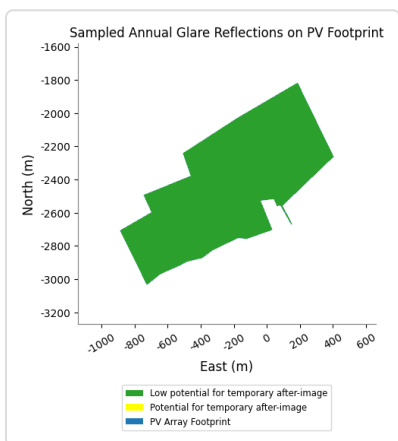
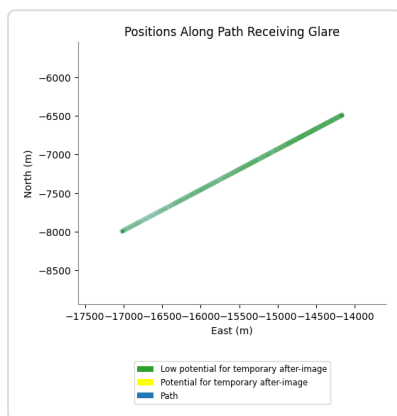
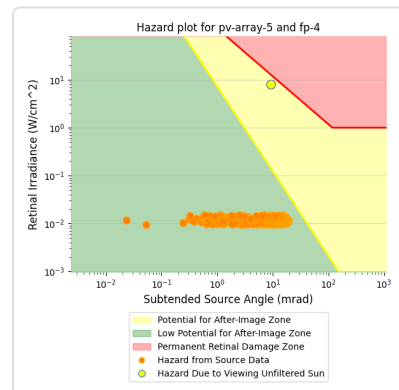
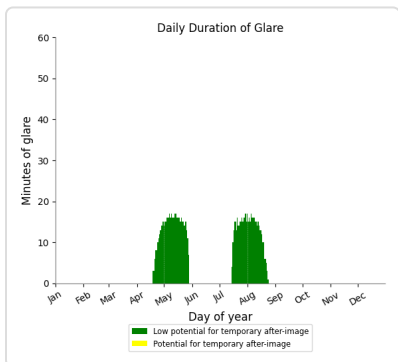
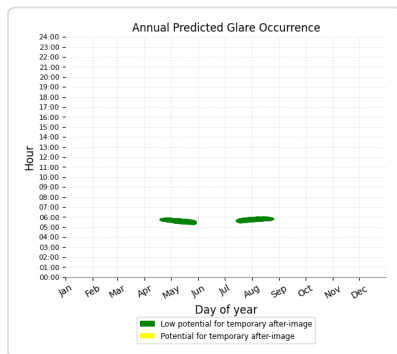
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
FP 4 - Hanbeck Farm SW	1,075	17.9	0	0.0	66,355
FP 10 - Sempringham Fen East	0	0.0	0	0.0	0
FP 11 - RAF Waddington North	0	0.0	0	0.0	0
FP 12 - RAF Waddington South	0	0.0	0	0.0	0
FP 13 - Griffins Farm East	0	0.0	0	0.0	0
FP 14 - Griffins Farm West	0	0.0	0	0.0	0
FP 15 - Whaley Farm West	0	0.0	0	0.0	0
FP 16 - Whaley Farm East	0	0.0	0	0.0	0
FP 17 - Whaley Farm North	0	0.0	0	0.0	0
FP 18 - Whaley Farm South	0	0.0	0	0.0	0
FP 1 - Bloxholm North	0	0.0	0	0.0	0
FP 2 - Bloxholm South	0	0.0	0	0.0	0
FP 3 - Hanbeck Farm NE	0	0.0	0	0.0	0
FP 5 - Pointon Airstrip East	0	0.0	0	0.0	0
FP 6 - Pointon Airstrip West	0	0.0	0	0.0	0
FP 7 - Decoy Farm East	0	0.0	0	0.0	0
FP 8 - Decoy Farm West	0	0.0	0	0.0	0
FP 9 - Sempringham Farm West	0	0.0	0	0.0	0



PV array 5 and FP: FP 4 - Hanbeck Farm SW

Yellow glare: none

Green glare: 1,075 min.



PV array 5 and FP: FP 10 - Sempringham Fen East

No glare found

PV array 5 and FP: FP 11 - RAF Waddington North

No glare found

PV array 5 and FP: FP 12 - RAF Waddington South

No glare found

PV array 5 and FP: FP 13 - Griffins Farm East

No glare found

PV array 5 and FP: FP 14 - Griffins Farm West

No glare found

PV array 5 and FP: FP 15 - Whaley Farm West

No glare found

PV array 5 and FP: FP 16 - Whaley Farm East

No glare found

PV array 5 and FP: FP 17 - Whaley Farm North

No glare found

PV array 5 and FP: FP 18 - Whaley Farm South

No glare found

PV array 5 and FP: FP 1 - Bloxholm North

No glare found

PV array 5 and FP: FP 2 - Bloxholm South

No glare found

PV array 5 and FP: FP 3 - Hanbeck Farm NE

No glare found

PV array 5 and FP: FP 5 - Pointon Airstrip East

No glare found

PV array 5 and FP: FP 6 - Pointon Airstrip West

No glare found

PV array 5 and FP: FP 7 - Decoy Farm East

No glare found

PV array 5 and FP: FP 8 - Decoy Farm West

No glare found

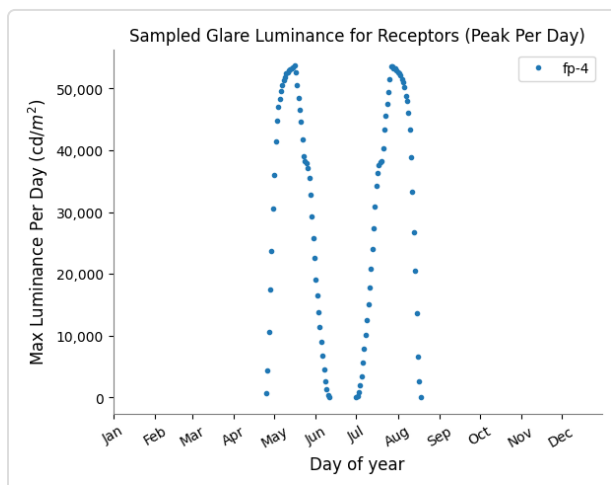
PV array 5 and FP: FP 9 - Sempringham Farm West

No glare found

PV: PV array 6 low potential for temporary after-image

Receptor results ordered by category of glare

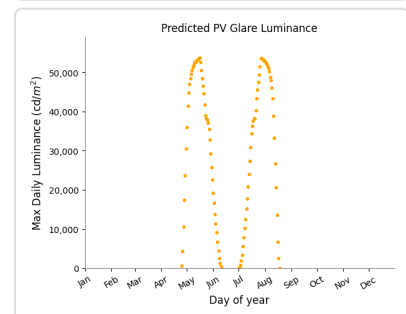
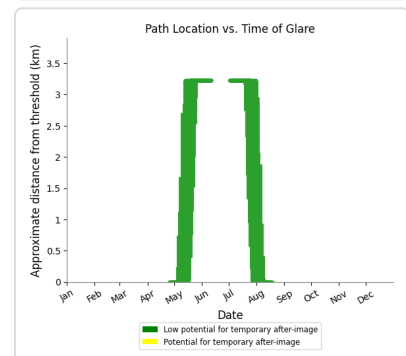
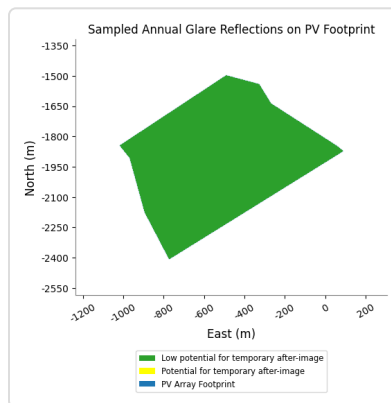
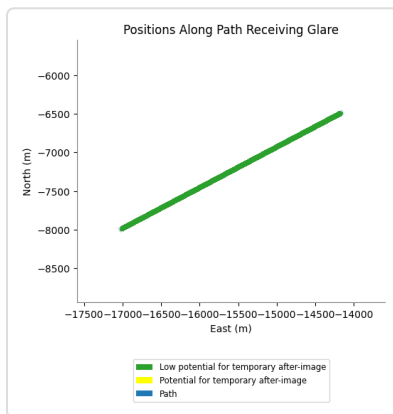
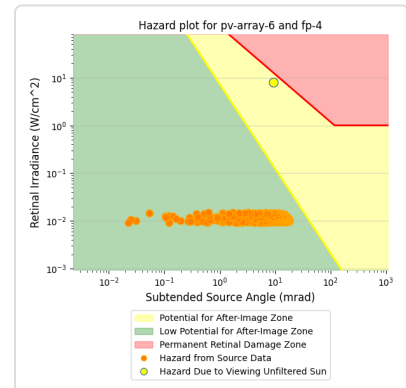
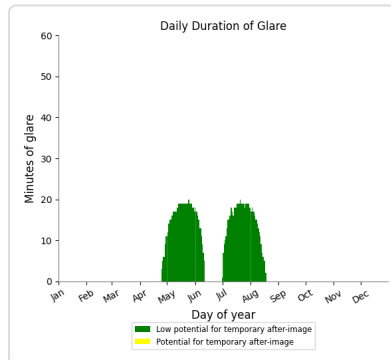
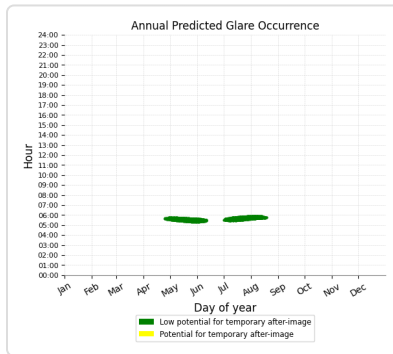
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
FP 4 - Hanbeck Farm SW	1,442	24.0	0	0.0	53,690
FP 10 - Sempringham Fen East	0	0.0	0	0.0	0
FP 11 - RAF Waddington North	0	0.0	0	0.0	0
FP 12 - RAF Waddington South	0	0.0	0	0.0	0
FP 13 - Griffins Farm East	0	0.0	0	0.0	0
FP 14 - Griffins Farm West	0	0.0	0	0.0	0
FP 15 - Whaley Farm West	0	0.0	0	0.0	0
FP 16 - Whaley Farm East	0	0.0	0	0.0	0
FP 17 - Whaley Farm North	0	0.0	0	0.0	0
FP 18 - Whaley Farm South	0	0.0	0	0.0	0
FP 1 - Bloxholm North	0	0.0	0	0.0	0
FP 2 - Bloxholm South	0	0.0	0	0.0	0
FP 3 - Hanbeck Farm NE	0	0.0	0	0.0	0
FP 5 - Pointon Airstrip East	0	0.0	0	0.0	0
FP 6 - Pointon Airstrip West	0	0.0	0	0.0	0
FP 7 - Decoy Farm East	0	0.0	0	0.0	0
FP 8 - Decoy Farm West	0	0.0	0	0.0	0
FP 9 - Sempringham Farm West	0	0.0	0	0.0	0



PV array 6 and FP: FP 4 - Hanbeck Farm SW

Yellow glare: none

Green glare: 1,442 min.



PV array 6 and FP: FP 10 - Sempringham Fen East

No glare found

PV array 6 and FP: FP 11 - RAF Waddington North

No glare found

PV array 6 and FP: FP 12 - RAF Waddington South

No glare found

PV array 6 and FP: FP 13 - Griffins Farm East

No glare found

PV array 6 and FP: FP 14 - Griffins Farm West

No glare found

PV array 6 and FP: FP 15 - Whaley Farm West

No glare found

PV array 6 and FP: FP 16 - Whaley Farm East

No glare found

PV array 6 and FP: FP 17 - Whaley Farm North

No glare found

PV array 6 and FP: FP 18 - Whaley Farm South

No glare found

PV array 6 and FP: FP 1 - Bloxholm North

No glare found

PV array 6 and FP: FP 2 - Bloxholm South

No glare found

PV array 6 and FP: FP 3 - Hanbeck Farm NE

No glare found

PV array 6 and FP: FP 5 - Pointon Airstrip East

No glare found

PV array 6 and FP: FP 6 - Pointon Airstrip West

No glare found

PV array 6 and FP: FP 7 - Decoy Farm East

No glare found

PV array 6 and FP: FP 8 - Decoy Farm West

No glare found

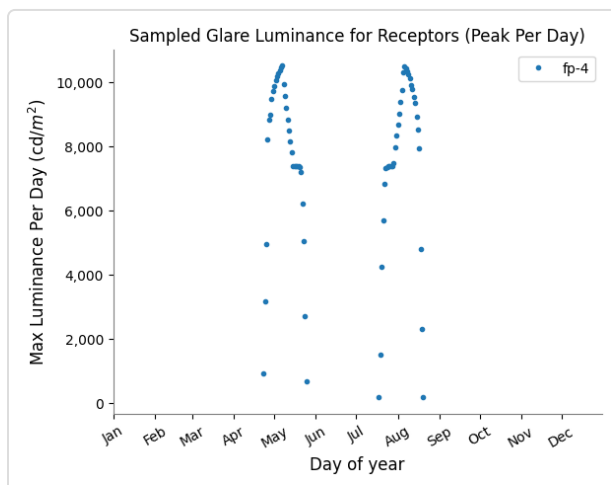
PV array 6 and FP: FP 9 - Sempringham Farm West

No glare found

PV: PV array 7 low potential for temporary after-image

Receptor results ordered by category of glare

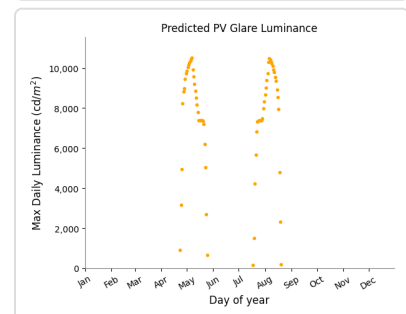
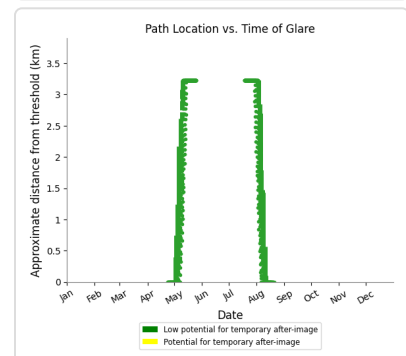
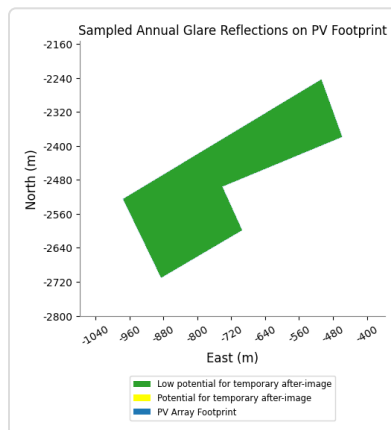
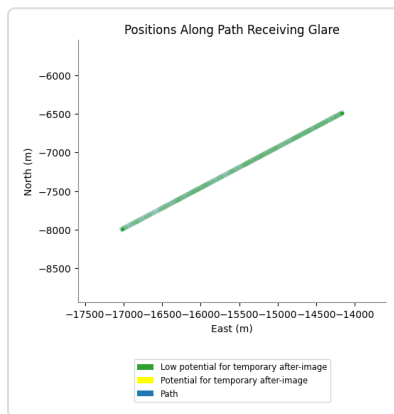
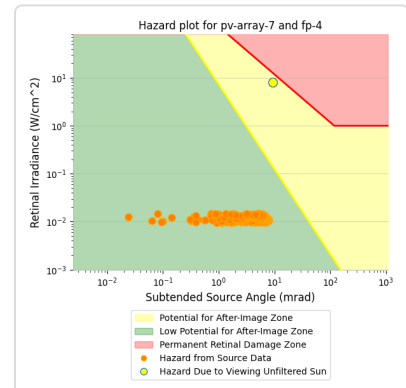
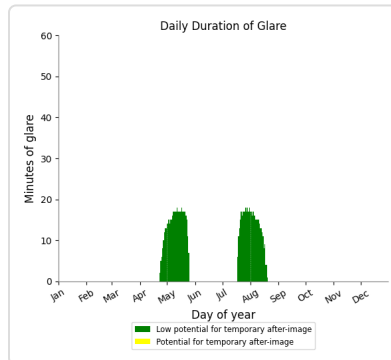
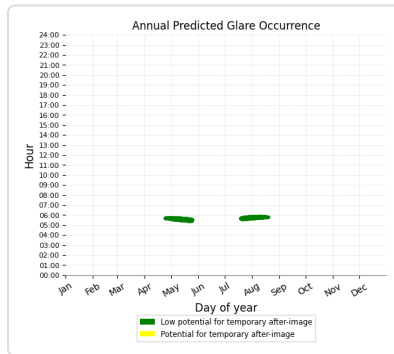
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
FP 4 - Hanbeck Farm SW	926	15.4	0	0.0	10,512
FP 10 - Sempringham Fen East	0	0.0	0	0.0	0
FP 11 - RAF Waddington North	0	0.0	0	0.0	0
FP 12 - RAF Waddington South	0	0.0	0	0.0	0
FP 13 - Griffins Farm East	0	0.0	0	0.0	0
FP 14 - Griffins Farm West	0	0.0	0	0.0	0
FP 15 - Whaley Farm West	0	0.0	0	0.0	0
FP 16 - Whaley Farm East	0	0.0	0	0.0	0
FP 17 - Whaley Farm North	0	0.0	0	0.0	0
FP 18 - Whaley Farm South	0	0.0	0	0.0	0
FP 1 - Bloxholm North	0	0.0	0	0.0	0
FP 2 - Bloxholm South	0	0.0	0	0.0	0
FP 3 - Hanbeck Farm NE	0	0.0	0	0.0	0
FP 5 - Pointon Airstrip East	0	0.0	0	0.0	0
FP 6 - Pointon Airstrip West	0	0.0	0	0.0	0
FP 7 - Decoy Farm East	0	0.0	0	0.0	0
FP 8 - Decoy Farm West	0	0.0	0	0.0	0
FP 9 - Sempringham Farm West	0	0.0	0	0.0	0



PV array 7 and FP: FP 4 - Hanbeck Farm SW

Yellow glare: none

Green glare: 926 min.



PV array 7 and FP: FP 10 - Sempringham Fen East

No glare found

PV array 7 and FP: FP 11 - RAF Waddington North

No glare found

PV array 7 and FP: FP 12 - RAF Waddington South

No glare found

PV array 7 and FP: FP 13 - Griffins Farm East

No glare found

PV array 7 and FP: FP 14 - Griffins Farm West

No glare found

PV array 7 and FP: FP 15 - Whaley Farm West

No glare found

PV array 7 and FP: FP 16 - Whaley Farm East

No glare found

PV array 7 and FP: FP 17 - Whaley Farm North

No glare found

PV array 7 and FP: FP 18 - Whaley Farm South

No glare found

PV array 7 and FP: FP 1 - Bloxholm North

No glare found

PV array 7 and FP: FP 2 - Bloxholm South

No glare found

PV array 7 and FP: FP 3 - Hanbeck Farm NE

No glare found

PV array 7 and FP: FP 5 - Pointon Airstrip East

No glare found

PV array 7 and FP: FP 6 - Pointon Airstrip West

No glare found

PV array 7 and FP: FP 7 - Decoy Farm East

No glare found

PV array 7 and FP: FP 8 - Decoy Farm West

No glare found

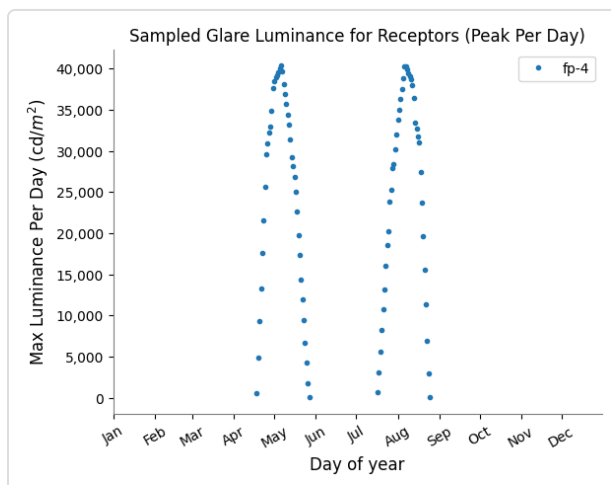
PV array 7 and FP: FP 9 - Sempringham Farm West

No glare found

PV: PV array 8 low potential for temporary after-image

Receptor results ordered by category of glare

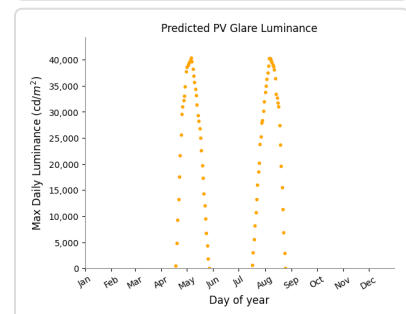
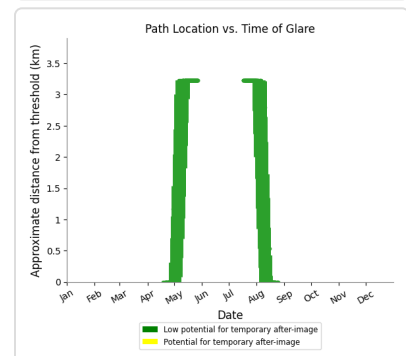
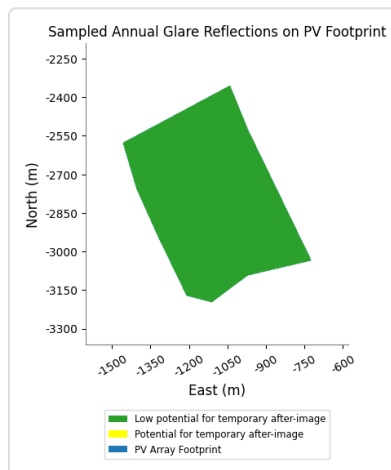
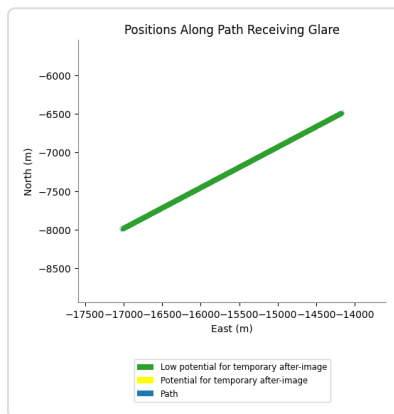
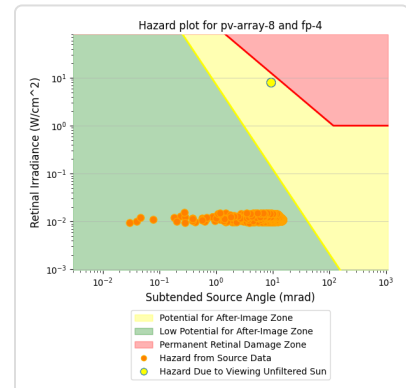
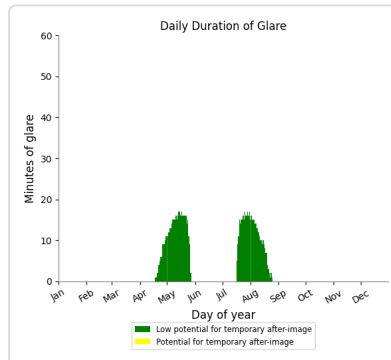
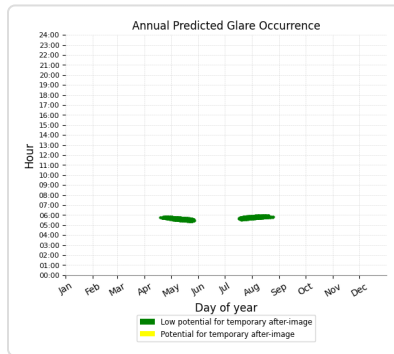
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
FP 4 - Hanbeck Farm SW	904	15.1	0	0.0	40,338
FP 10 - Sempringham Fen East	0	0.0	0	0.0	0
FP 11 - RAF Waddington North	0	0.0	0	0.0	0
FP 12 - RAF Waddington South	0	0.0	0	0.0	0
FP 13 - Griffins Farm East	0	0.0	0	0.0	0
FP 14 - Griffins Farm West	0	0.0	0	0.0	0
FP 15 - Whaley Farm West	0	0.0	0	0.0	0
FP 16 - Whaley Farm East	0	0.0	0	0.0	0
FP 17 - Whaley Farm North	0	0.0	0	0.0	0
FP 18 - Whaley Farm South	0	0.0	0	0.0	0
FP 1 - Bloxholm North	0	0.0	0	0.0	0
FP 2 - Bloxholm South	0	0.0	0	0.0	0
FP 3 - Hanbeck Farm NE	0	0.0	0	0.0	0
FP 5 - Pointon Airstrip East	0	0.0	0	0.0	0
FP 6 - Pointon Airstrip West	0	0.0	0	0.0	0
FP 7 - Decoy Farm East	0	0.0	0	0.0	0
FP 8 - Decoy Farm West	0	0.0	0	0.0	0
FP 9 - Sempringham Farm West	0	0.0	0	0.0	0



PV array 8 and FP: FP 4 - Hanbeck Farm SW

Yellow glare: none

Green glare: 904 min.



PV array 8 and FP: FP 10 - Sempringham Fen East

No glare found

PV array 8 and FP: FP 11 - RAF Waddington North

No glare found

PV array 8 and FP: FP 12 - RAF Waddington South

No glare found

PV array 8 and FP: FP 13 - Griffins Farm East

No glare found

PV array 8 and FP: FP 14 - Griffins Farm West

No glare found

PV array 8 and FP: FP 15 - Whaley Farm West

No glare found

PV array 8 and FP: FP 16 - Whaley Farm East

No glare found

PV array 8 and FP: FP 17 - Whaley Farm North

No glare found

PV array 8 and FP: FP 18 - Whaley Farm South

No glare found

PV array 8 and FP: FP 1 - Bloxholm North

No glare found

PV array 8 and FP: FP 2 - Bloxholm South

No glare found

PV array 8 and FP: FP 3 - Hanbeck Farm NE

No glare found

PV array 8 and FP: FP 5 - Pointon Airstrip East

No glare found

PV array 8 and FP: FP 6 - Pointon Airstrip West

No glare found

PV array 8 and FP: FP 7 - Decoy Farm East

No glare found

PV array 8 and FP: FP 8 - Decoy Farm West

No glare found

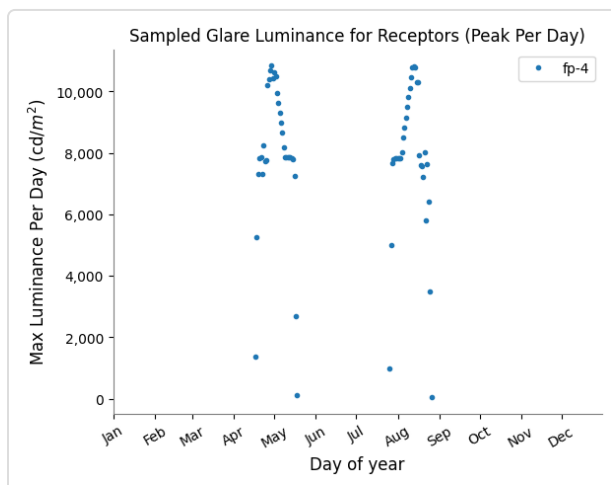
PV array 8 and FP: FP 9 - Sempringham Farm West

No glare found

PV: PV array 9 low potential for temporary after-image

Receptor results ordered by category of glare

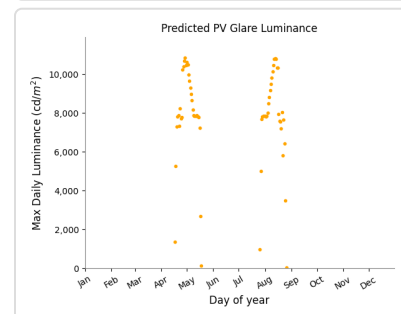
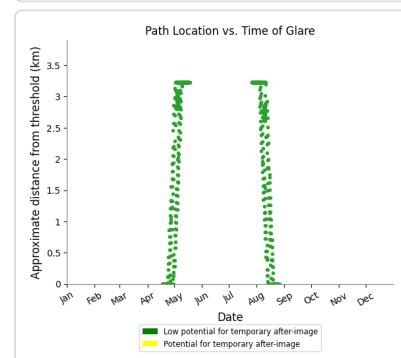
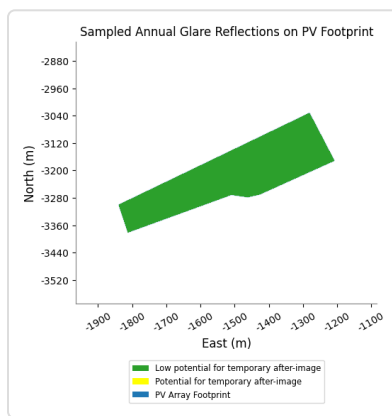
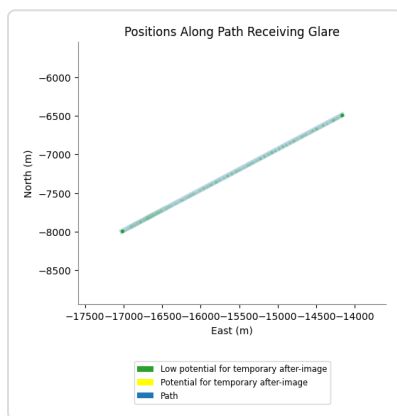
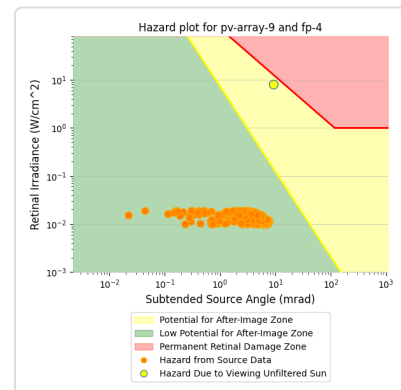
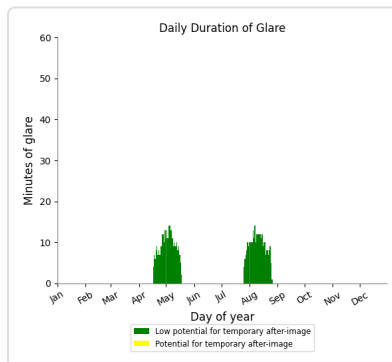
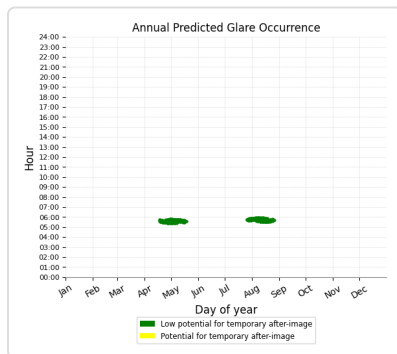
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
FP 4 - Hanbeck Farm SW	596	9.9	0	0.0	10,835
FP 10 - Sempringham Fen East	0	0.0	0	0.0	0
FP 11 - RAF Waddington North	0	0.0	0	0.0	0
FP 12 - RAF Waddington South	0	0.0	0	0.0	0
FP 13 - Griffins Farm East	0	0.0	0	0.0	0
FP 14 - Griffins Farm West	0	0.0	0	0.0	0
FP 15 - Whaley Farm West	0	0.0	0	0.0	0
FP 16 - Whaley Farm East	0	0.0	0	0.0	0
FP 17 - Whaley Farm North	0	0.0	0	0.0	0
FP 18 - Whaley Farm South	0	0.0	0	0.0	0
FP 1 - Bloxholm North	0	0.0	0	0.0	0
FP 2 - Bloxholm South	0	0.0	0	0.0	0
FP 3 - Hanbeck Farm NE	0	0.0	0	0.0	0
FP 5 - Pointon Airstrip East	0	0.0	0	0.0	0
FP 6 - Pointon Airstrip West	0	0.0	0	0.0	0
FP 7 - Decoy Farm East	0	0.0	0	0.0	0
FP 8 - Decoy Farm West	0	0.0	0	0.0	0
FP 9 - Sempringham Farm West	0	0.0	0	0.0	0



PV array 9 and FP: FP 4 - Hanbeck Farm SW

Yellow glare: none

Green glare: 596 min.



PV array 9 and FP: FP 10 - Sempringham Fen East

No glare found

PV array 9 and FP: FP 11 - RAF Waddington North

No glare found

PV array 9 and FP: FP 12 - RAF Waddington South

No glare found

PV array 9 and FP: FP 13 - Griffins Farm East

No glare found

PV array 9 and FP: FP 14 - Griffins Farm West

No glare found

PV array 9 and FP: FP 15 - Whaley Farm West

No glare found

PV array 9 and FP: FP 16 - Whaley Farm East

No glare found

PV array 9 and FP: FP 17 - Whaley Farm North

No glare found

PV array 9 and FP: FP 18 - Whaley Farm South

No glare found

PV array 9 and FP: FP 1 - Bloxholm North

No glare found

PV array 9 and FP: FP 2 - Bloxholm South

No glare found

PV array 9 and FP: FP 3 - Hanbeck Farm NE

No glare found

PV array 9 and FP: FP 5 - Pointon Airstrip East

No glare found

PV array 9 and FP: FP 6 - Pointon Airstrip West

No glare found

PV array 9 and FP: FP 7 - Decoy Farm East

No glare found

PV array 9 and FP: FP 8 - Decoy Farm West

No glare found

PV array 9 and FP: FP 9 - Sempringham Farm West

No glare found

Assumptions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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