



BEACON FEN

ENERGY PARK

Planning Inspectorate Reference: EN010151

Appendix 13.2b ForgeSolar Glint Report: Ops 1-40

Document Reference: 6.3.90 ES Appendix 13.2b

April 2025



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 Heights Beacon Fen OPs**

Created 19 Dec, 2024

Updated 07 Mar, 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 137391.16549

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	7,839	130.7	5,967	99.5	-	687,981
PV array 10	15.0	180.0	33,210	553.5	12,605	210.1	-	680,460
PV array 2	15.0	180.0	12,135	202.2	693	11.6	-	362,906
PV array 3	15.0	180.0	10,256	170.9	1,105	18.4	-	583,585
PV array 4	15.0	180.0	10,848	180.8	1,981	33.0	-	432,059
PV array 5	15.0	180.0	11,030	183.8	2,084	34.7	-	620,685
PV array 6	15.0	180.0	11,899	198.3	4,962	82.7	-	466,324
PV array 7	15.0	180.0	8,059	134.3	0	0.0	-	255,463
PV array 8	15.0	180.0	10,541	175.7	897	14.9	-	468,766
PV array 9	15.0	180.0	16,461	274.4	1,229	20.5	-	681,275

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
OP 1	6,023	100.4	4,011	66.8
OP 2	1,530	25.5	2,126	35.4
OP 3	6,282	104.7	6,370	106.2
OP 4	6,928	115.5	5,430	90.5
OP 5	8,754	145.9	1,229	20.5
OP 6	6,363	106.0	246	4.1

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 7	9,847	164.1	917	15.3
OP 8	6,632	110.5	958	16.0
OP 9	1,710	28.5	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	424	7.1	0	0.0
OP 13	2,485	41.4	0	0.0
OP 14	2,436	40.6	0	0.0
OP 15	1,994	33.2	0	0.0
OP 16	4,250	70.8	0	0.0
OP 17	4,611	76.8	0	0.0
OP 18	4,555	75.9	0	0.0
OP 19	6,659	111.0	41	0.7
OP 20	5,564	92.7	0	0.0
OP 21	1,558	26.0	0	0.0
OP 22	0	0.0	0	0.0
OP 23	0	0.0	0	0.0
OP 24	2,114	35.2	0	0.0
OP 25	4,256	70.9	55	0.9
OP 26	4,391	73.2	0	0.0
OP 27	4,595	76.6	17	0.3
OP 28	5,341	89.0	113	1.9
OP 29	4,950	82.5	0	0.0
OP 30	1,671	27.9	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	5,164	86.1	389	6.5
OP 36	3,780	63.0	981	16.4
OP 37	1,900	31.7	3,468	57.8
OP 38	4,043	67.4	3,503	58.4
OP 39	1,468	24.5	1,669	27.8

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	53.033328	-0.282386	2.90	3.90	6.80
2	53.031962	-0.286286	3.00	3.90	6.90
3	53.031242	-0.285573	2.30	3.90	6.20
4	53.030974	-0.286251	2.00	3.90	5.90
5	53.030509	-0.287380	2.66	3.90	6.56
6	53.030322	-0.287675	2.96	3.90	6.86
7	53.029816	-0.288930	2.06	3.90	5.96
8	53.028394	-0.292271	2.19	3.90	6.09
9	53.026609	-0.296629	2.00	3.90	5.90
10	53.025425	-0.299555	2.12	3.90	6.02
11	53.024964	-0.300634	2.14	3.90	6.04
12	53.024724	-0.299996	3.15	3.90	7.05
13	53.024518	-0.299327	3.41	3.90	7.31
14	53.024553	-0.299005	3.18	3.90	7.08
15	53.024778	-0.298451	3.00	3.90	6.90
16	53.024859	-0.298220	3.00	3.90	6.90
17	53.024209	-0.296536	3.78	3.90	7.68
18	53.023846	-0.297062	3.38	3.90	7.28
19	53.023697	-0.296895	3.62	3.90	7.52
20	53.023528	-0.296429	3.97	3.90	7.87
21	53.023472	-0.296195	3.98	3.90	7.88
22	53.023446	-0.296156	4.00	3.90	7.90
23	53.022073	-0.294353	3.00	3.90	6.90
24	53.021418	-0.293479	3.00	3.90	6.90
25	53.025651	-0.283548	3.00	3.90	6.90
26	53.027621	-0.278134	2.94	3.90	6.84
27	53.029912	-0.279513	2.00	3.90	5.90
28	53.032151	-0.281202	2.00	3.90	5.90

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	53.023459	-0.304404	5.00	3.50	8.50
30	53.024320	-0.302256	3.74	3.50	7.24
31	53.024881	-0.300829	2.00	3.50	5.50
32	53.023377	-0.296249	3.89	3.50	7.39
33	53.021357	-0.293542	2.98	3.50	6.48
34	53.019361	-0.291026	3.96	3.50	7.46
35	53.016818	-0.297498	4.66	3.50	8.16
36	53.016303	-0.296821	4.89	3.50	8.39
37	53.013800	-0.295719	3.94	3.50	7.44
38	53.011810	-0.293954	2.04	3.50	5.54
39	53.010757	-0.296765	4.00	3.50	7.50
40	53.012248	-0.297817	4.82	3.50	8.32
41	53.010225	-0.304073	6.00	3.50	9.50
42	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	53.024524	-0.285868	2.00	3.90	5.90
2	53.023902	-0.287485	2.00	3.90	5.90
3	53.022972	-0.289708	2.30	3.90	6.20
4	53.021367	-0.293450	2.98	3.90	6.88
5	53.019406	-0.290942	3.89	3.90	7.79
6	53.022439	-0.283200	1.53	3.90	5.43
7	53.023650	-0.285117	2.93	3.90	6.83

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	53.026444	-0.281308	1.65	3.90	5.55
2	53.027615	-0.278121	2.96	3.90	6.86
3	53.025120	-0.276315	2.43	3.90	6.33
4	53.023823	-0.279571	1.53	3.90	5.43

Name: PV array 4

Axis tracking: Fixed (no rotation)

Tilt: 15.0°

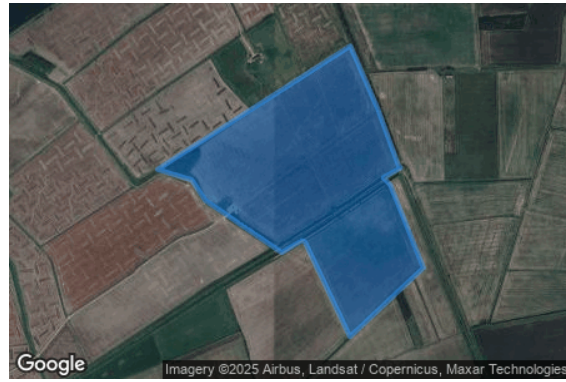
Orientation: 180.0°

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	53.019983	-0.289548	4.25	3.90	8.15

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	53.010667	-0.282959	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

Discrete Observation Point Receptors

Name	ID	Latitude (°)	Longitude (°)	Elevation (m)	Height (m)
OP 1	1	53.009517	-0.279485	4.02	1.80
OP 2	2	53.002884	-0.309449	11.63	1.80
OP 3	3	53.014775	-0.310232	14.81	1.80
OP 4	4	53.014680	-0.312466	17.07	1.80
OP 5	5	53.013260	-0.325925	18.95	1.80
OP 6	6	53.015422	-0.327318	17.00	1.80
OP 7	7	53.008646	-0.332494	23.00	1.80
OP 8	8	53.004887	-0.333022	23.00	1.80
OP 9	9	52.997550	-0.326951	18.89	1.80
OP 10	10	52.980803	-0.259361	5.00	1.80
OP 11	11	52.981932	-0.252481	5.47	1.80
OP 12	12	52.983897	-0.246282	4.60	1.80
OP 13	13	52.985215	-0.229019	4.00	1.80
OP 14	14	52.983432	-0.224542	4.00	1.80
OP 15	15	52.983675	-0.233201	2.94	1.80
OP 16	16	52.988647	-0.234448	3.00	1.80
OP 17	17	52.990471	-0.235094	2.40	1.80
OP 18	18	52.993461	-0.236199	3.99	1.80
OP 19	19	52.997219	-0.246244	3.20	1.80
OP 20	20	52.995585	-0.251059	3.63	1.80
OP 21	21	52.993001	-0.268864	5.19	1.80
OP 22	22	52.991832	-0.275159	5.00	1.80
OP 23	23	52.991008	-0.280359	5.83	1.80
OP 24	24	52.995134	-0.272946	5.00	1.80
OP 25	25	52.997311	-0.270406	2.33	1.80
OP 26	26	52.998282	-0.260780	6.00	1.80
OP 27	27	53.000366	-0.237856	2.38	1.80
OP 28	28	53.006032	-0.235096	3.23	1.80
OP 29	29	53.012129	-0.235098	2.30	1.80
OP 30	30	53.019031	-0.237432	3.12	1.80
OP 31	31	53.029483	-0.237016	5.04	1.80
OP 32	32	53.030551	-0.250767	4.34	1.80
OP 33	33	53.030781	-0.254450	5.67	1.80
OP 34	34	53.028960	-0.260744	4.72	1.80
OP 35	35	53.017461	-0.258776	2.09	1.80
OP 36	36	53.011462	-0.258989	2.47	1.80
OP 37	37	53.024651	-0.282911	3.47	1.80
OP 38	38	53.021543	-0.305745	6.00	1.80
OP 39	39	53.024482	-0.305151	4.21	1.80

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	7,839	130.7	5,967	99.5	-	687,981
PV array 10	15.0	180.0	33,210	553.5	12,605	210.1	-	680,460
PV array 2	15.0	180.0	12,135	202.2	693	11.6	-	362,906
PV array 3	15.0	180.0	10,256	170.9	1,105	18.4	-	583,585
PV array 4	15.0	180.0	10,848	180.8	1,981	33.0	-	432,059
PV array 5	15.0	180.0	11,030	183.8	2,084	34.7	-	620,685
PV array 6	15.0	180.0	11,899	198.3	4,962	82.7	-	466,324
PV array 7	15.0	180.0	8,059	134.3	0	0.0	-	255,463
PV array 8	15.0	180.0	10,541	175.7	897	14.9	-	468,766
PV array 9	15.0	180.0	16,461	274.4	1,229	20.5	-	681,275

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
OP 1	6,023	100.4	4,011	66.8
OP 2	1,530	25.5	2,126	35.4
OP 3	6,282	104.7	6,370	106.2
OP 4	6,928	115.5	5,430	90.5
OP 5	8,754	145.9	1,229	20.5
OP 6	6,363	106.0	246	4.1
OP 7	9,847	164.1	917	15.3
OP 8	6,632	110.5	958	16.0
OP 9	1,710	28.5	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	424	7.1	0	0.0
OP 13	2,485	41.4	0	0.0
OP 14	2,436	40.6	0	0.0
OP 15	1,994	33.2	0	0.0
OP 16	4,250	70.8	0	0.0
OP 17	4,611	76.8	0	0.0
OP 18	4,555	75.9	0	0.0
OP 19	6,659	111.0	41	0.7
OP 20	5,564	92.7	0	0.0
OP 21	1,558	26.0	0	0.0
OP 22	0	0.0	0	0.0

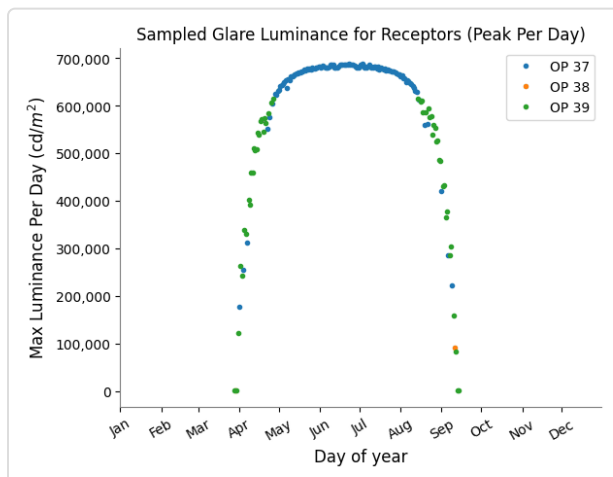
Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 23	0	0.0	0	0.0
OP 24	2,114	35.2	0	0.0
OP 25	4,256	70.9	55	0.9
OP 26	4,391	73.2	0	0.0
OP 27	4,595	76.6	17	0.3
OP 28	5,341	89.0	113	1.9
OP 29	4,950	82.5	0	0.0
OP 30	1,671	27.9	0	0.0
OP 31	0	0.0	0	0.0
OP 32	0	0.0	0	0.0
OP 33	0	0.0	0	0.0
OP 34	0	0.0	0	0.0
OP 35	5,164	86.1	389	6.5
OP 36	3,780	63.0	981	16.4
OP 37	1,900	31.7	3,468	57.8
OP 38	4,043	67.4	3,503	58.4
OP 39	1,468	24.5	1,669	27.8

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
OP 5	701	11.7	12	0.2	289,359
OP 6	1,000	16.7	231	3.9	431,879
OP 35	1,511	25.2	332	5.5	334,421
OP 37	664	11.1	2,363	39.4	687,981
OP 38	842	14.0	1,360	22.7	623,516
OP 39	636	10.6	1,669	27.8	627,204
OP 28	532	8.9	0	0.0	144,928
OP 29	1,306	21.8	0	0.0	244,676
OP 30	30	0.5	0	0.0	38,360
OP 36	617	10.3	0	0.0	97,209
OP 1	0	0.0	0	0.0	0
OP 2	0	0.0	0	0.0	0
OP 3	0	0.0	0	0.0	0
OP 4	0	0.0	0	0.0	0
OP 7	0	0.0	0	0.0	0
OP 8	0	0.0	0	0.0	0
OP 9	0	0.0	0	0.0	0
OP 10	0	0.0	0	0.0	0
OP 11	0	0.0	0	0.0	0
OP 12	0	0.0	0	0.0	0
OP 13	0	0.0	0	0.0	0
OP 14	0	0.0	0	0.0	0
OP 15	0	0.0	0	0.0	0
OP 16	0	0.0	0	0.0	0
OP 17	0	0.0	0	0.0	0
OP 18	0	0.0	0	0.0	0
OP 19	0	0.0	0	0.0	0
OP 20	0	0.0	0	0.0	0
OP 21	0	0.0	0	0.0	0
OP 22	0	0.0	0	0.0	0
OP 23	0	0.0	0	0.0	0
OP 24	0	0.0	0	0.0	0
OP 25	0	0.0	0	0.0	0
OP 26	0	0.0	0	0.0	0
OP 27	0	0.0	0	0.0	0
OP 31	0	0.0	0	0.0	0

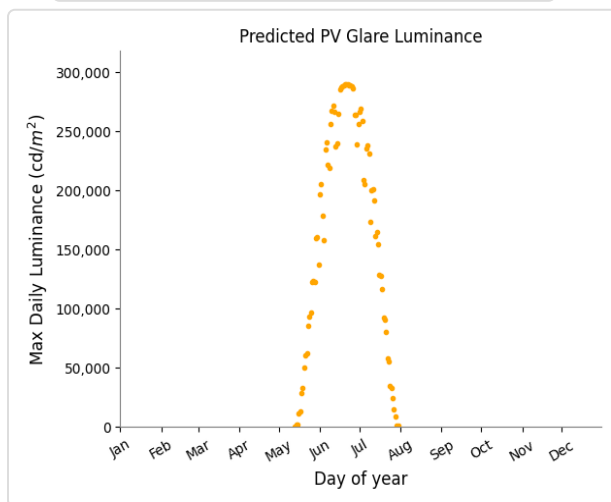
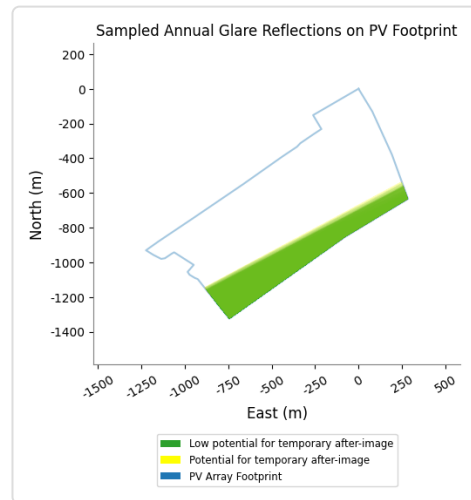
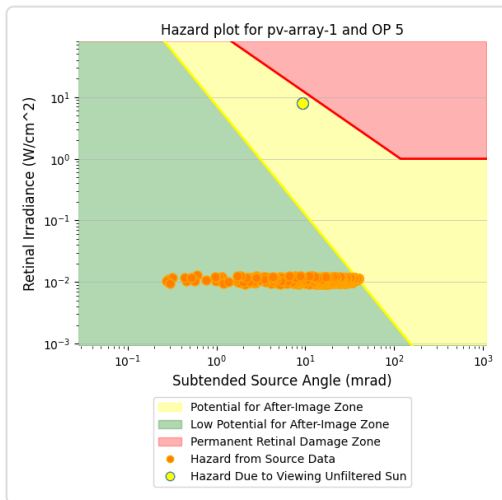
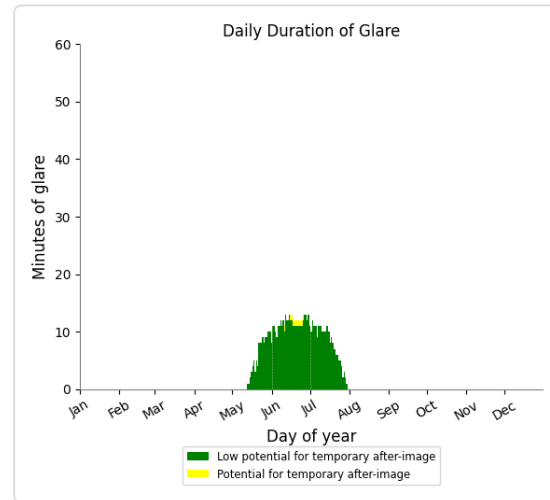
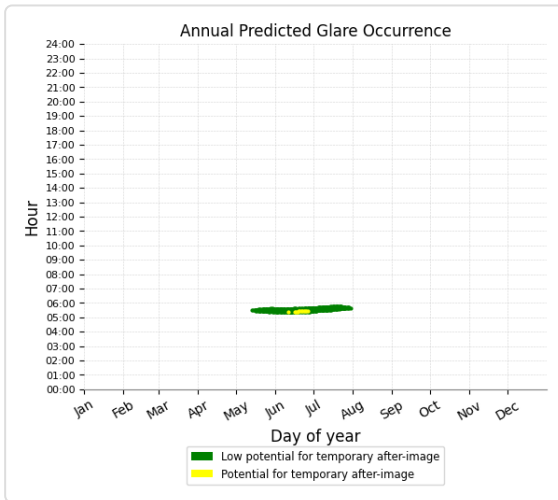
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
OP 32	0	0.0	0	0.0	0
OP 33	0	0.0	0	0.0	0
OP 34	0	0.0	0	0.0	0



PV array 1 and OP 5

Yellow glare: 12 min.

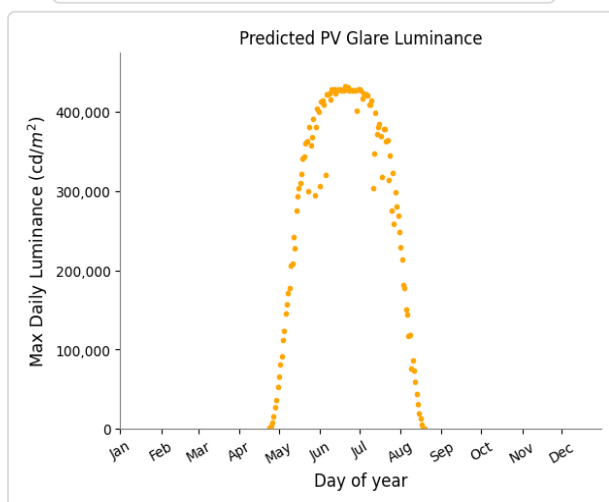
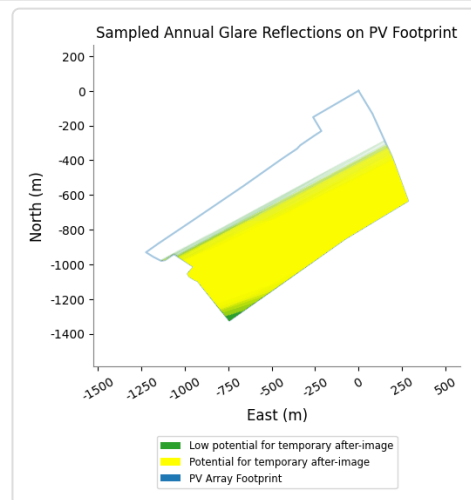
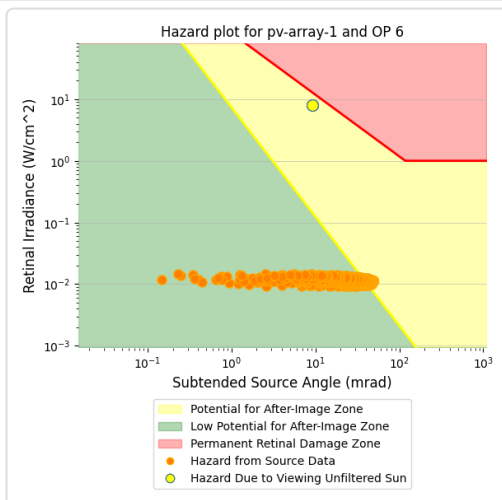
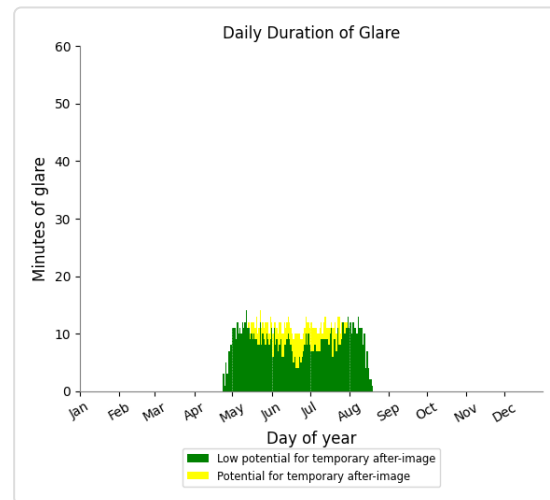
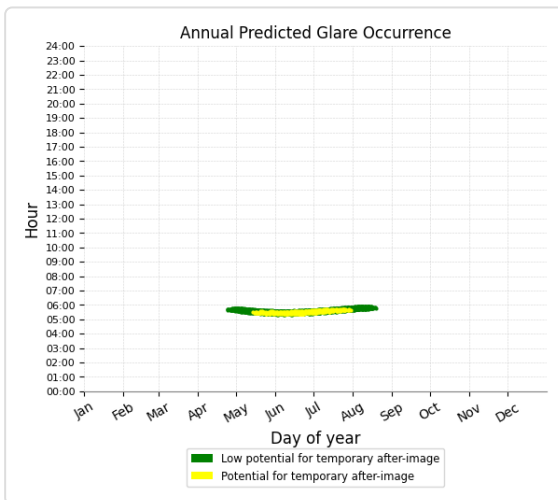
Green glare: 701 min.



PV array 1 and OP 6

Yellow glare: 231 min.

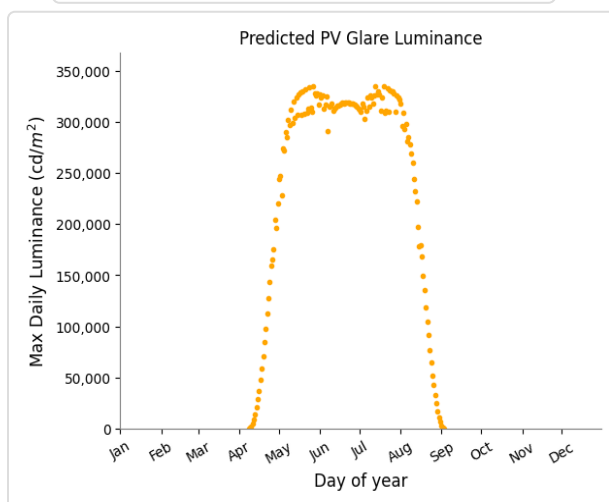
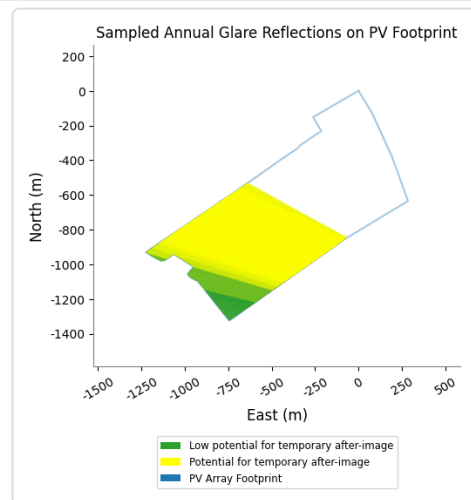
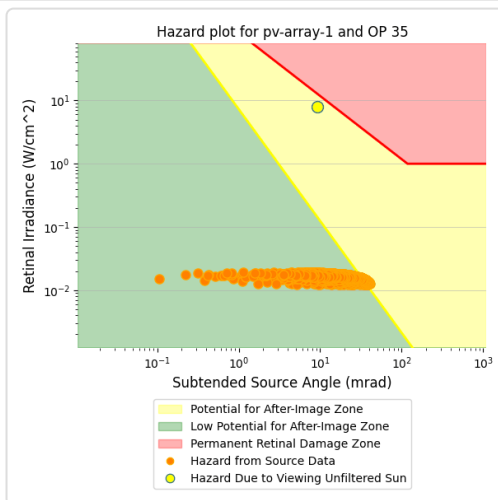
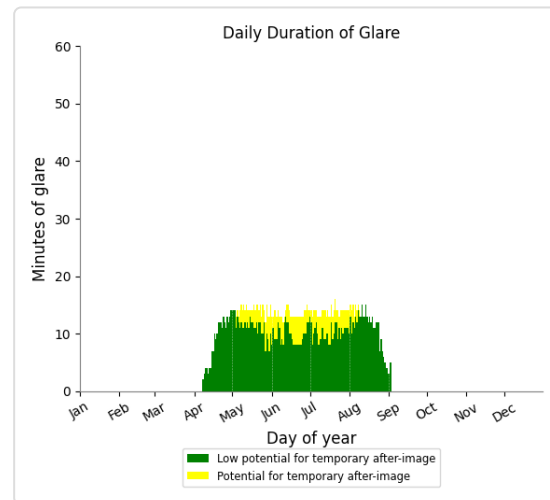
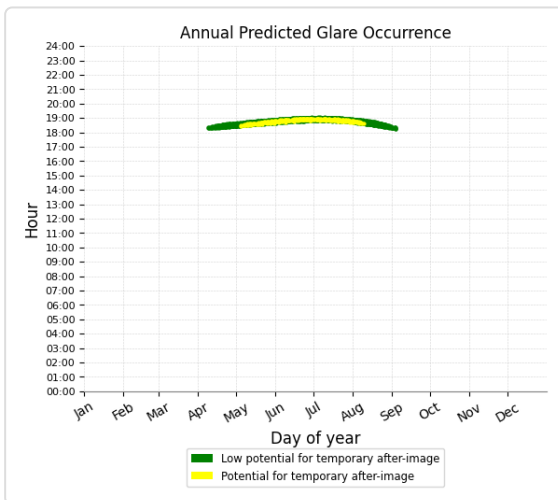
Green glare: 1,000 min.



PV array 1 and OP 35

Yellow glare: 332 min.

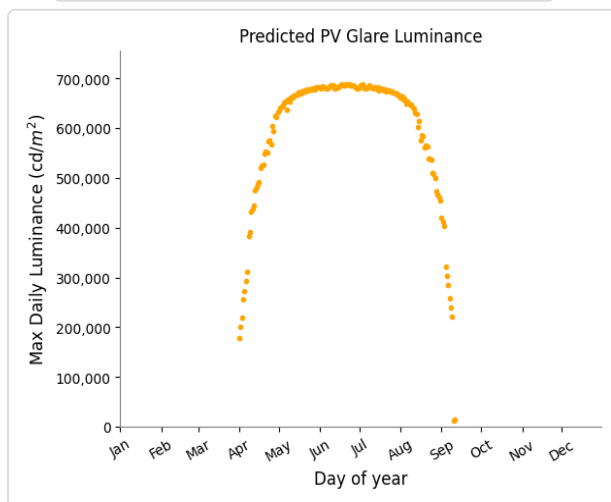
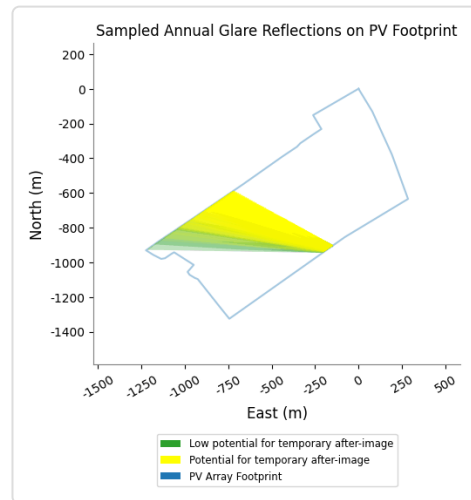
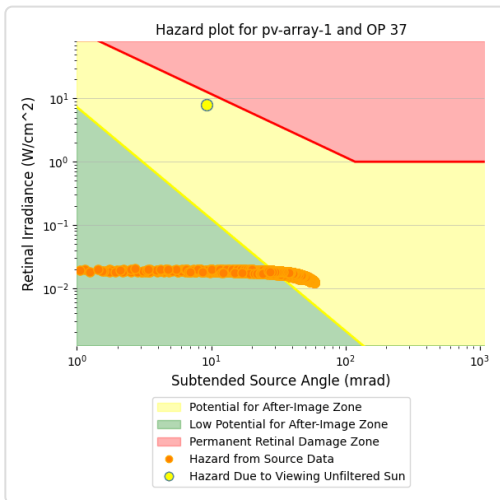
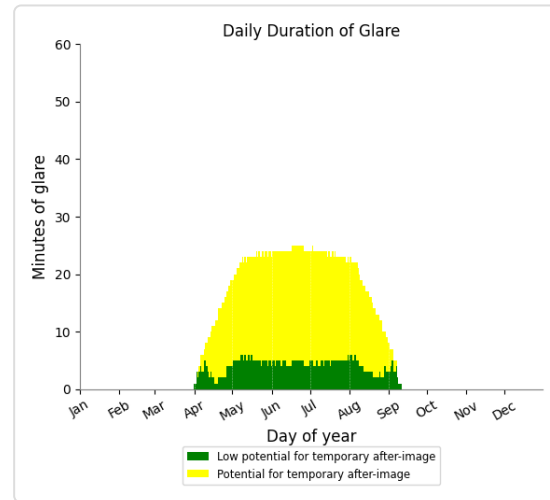
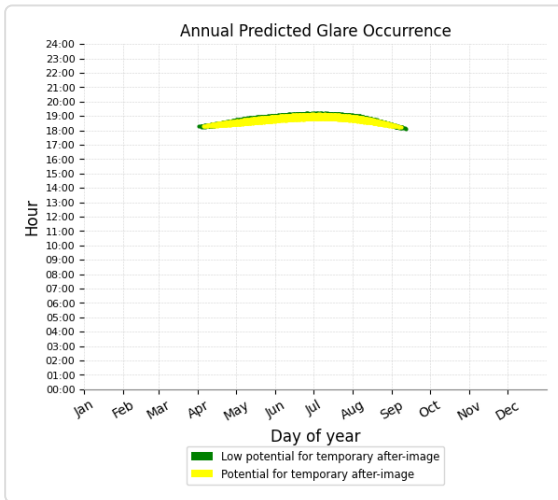
Green glare: 1,511 min.



PV array 1 and OP 37

Yellow glare: 2,363 min.

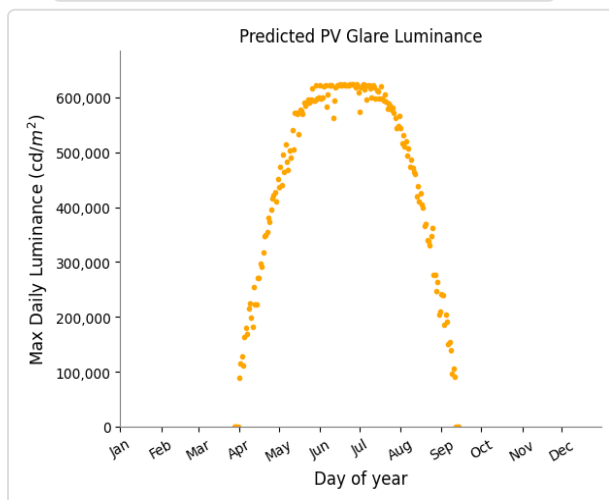
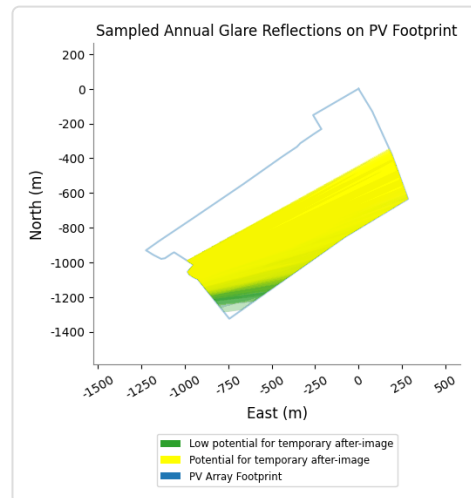
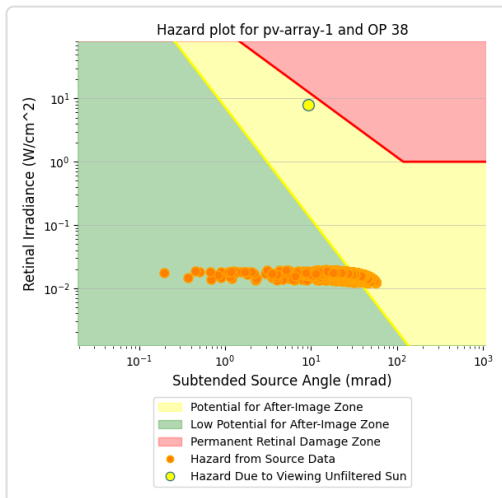
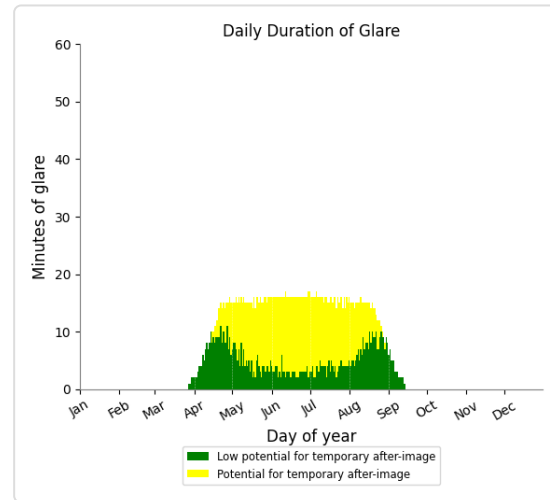
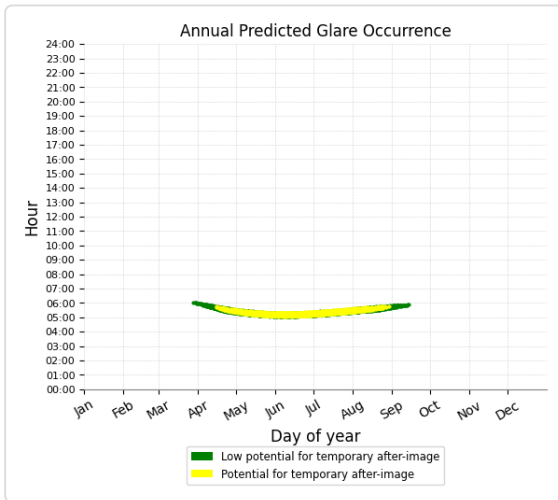
Green glare: 664 min.



PV array 1 and OP 38

Yellow glare: 1,360 min.

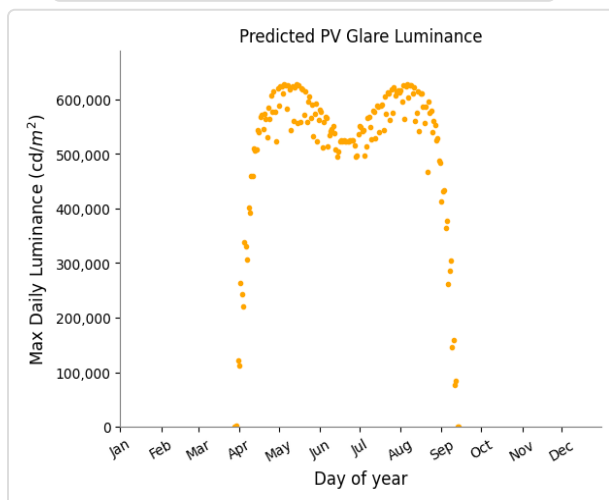
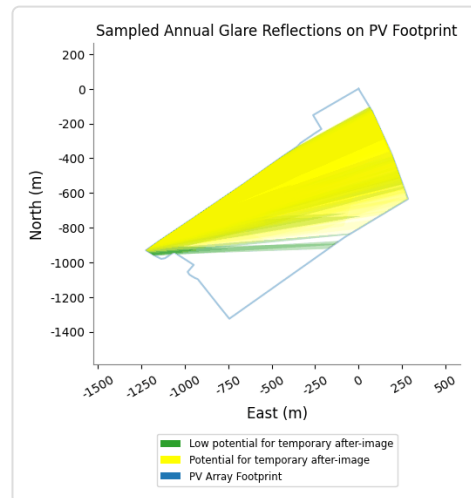
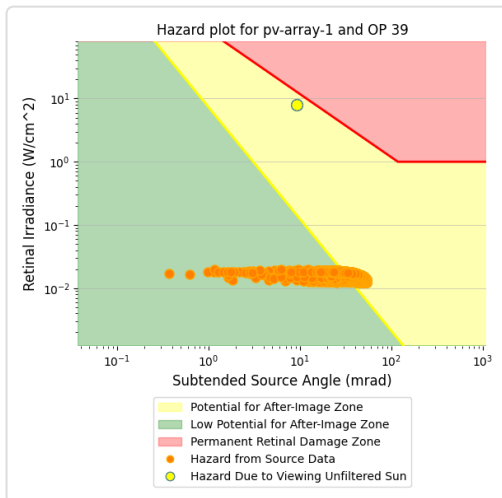
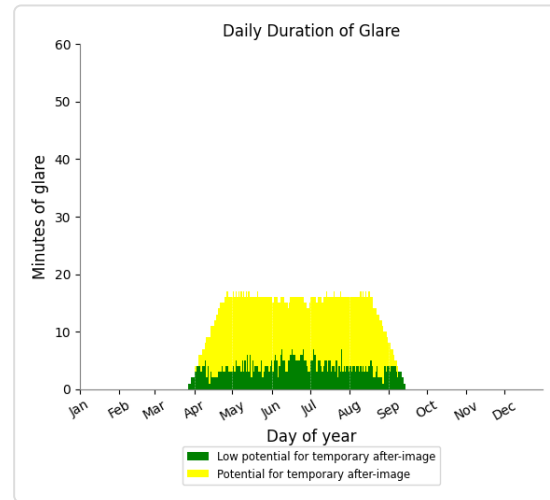
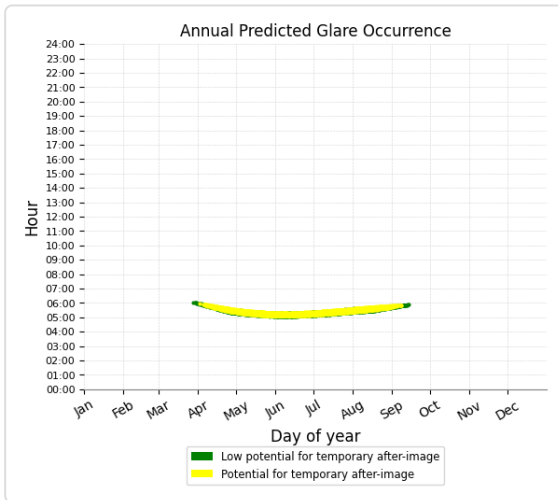
Green glare: 842 min.



PV array 1 and OP 39

Yellow glare: 1,669 min.

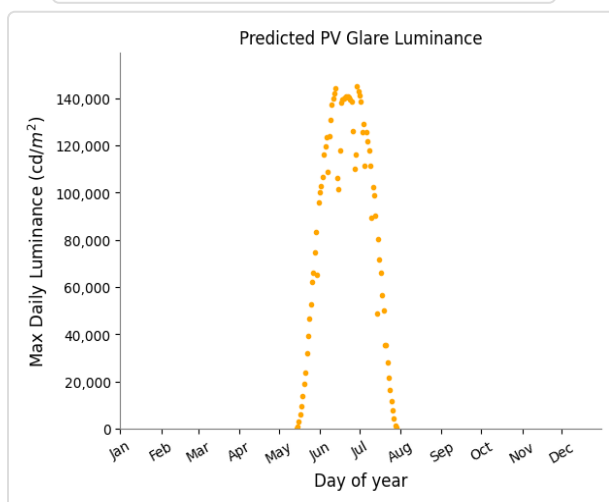
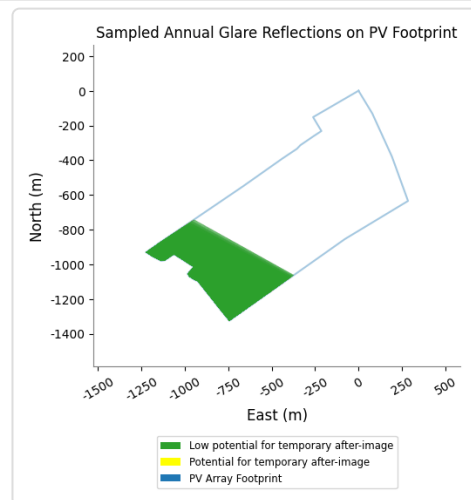
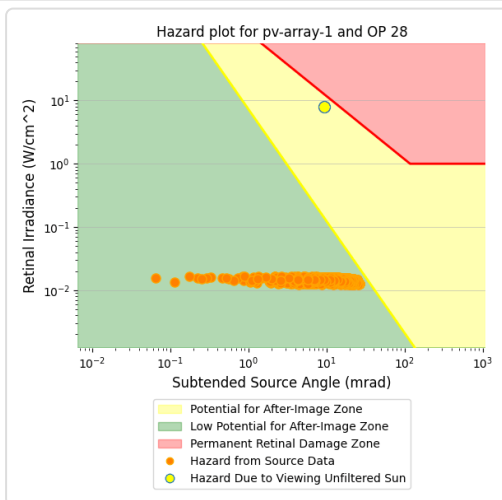
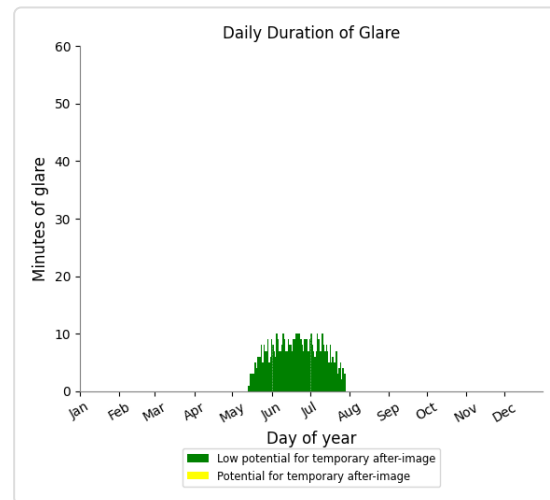
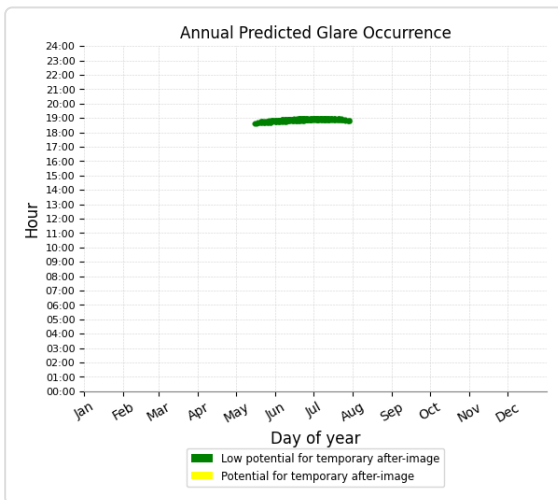
Green glare: 636 min.



PV array 1 and OP 28

Yellow glare: none

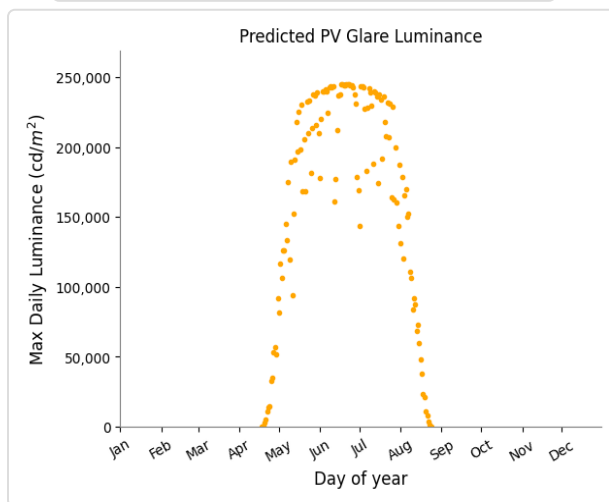
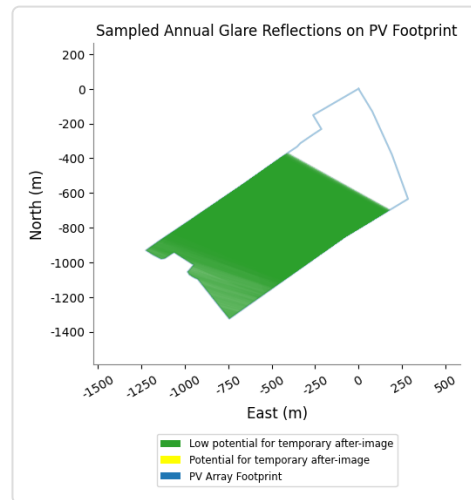
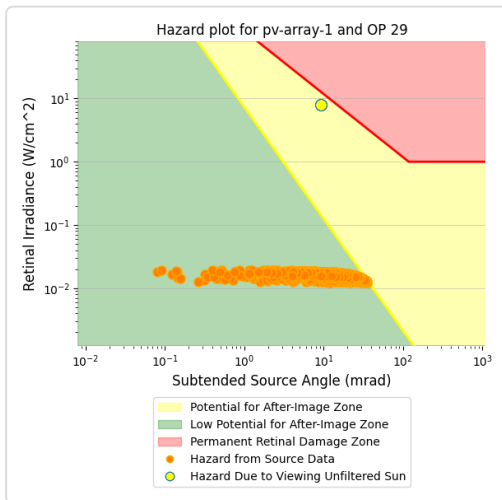
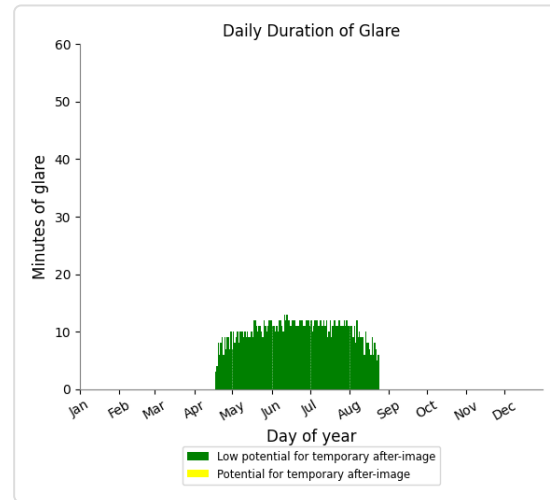
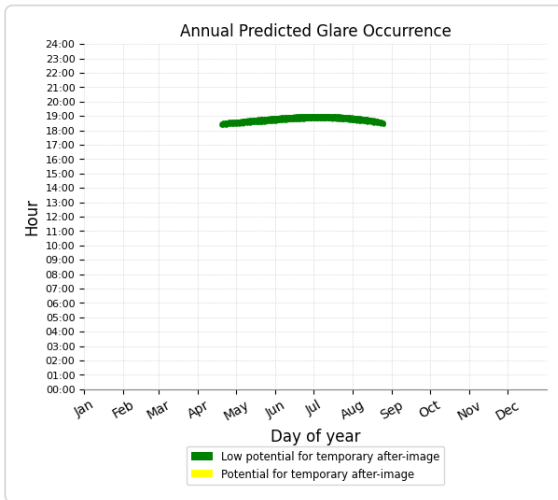
Green glare: 532 min.



PV array 1 and OP 29

Yellow glare: none

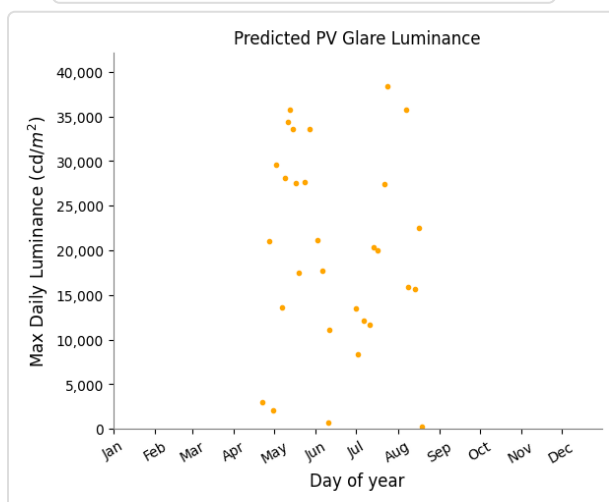
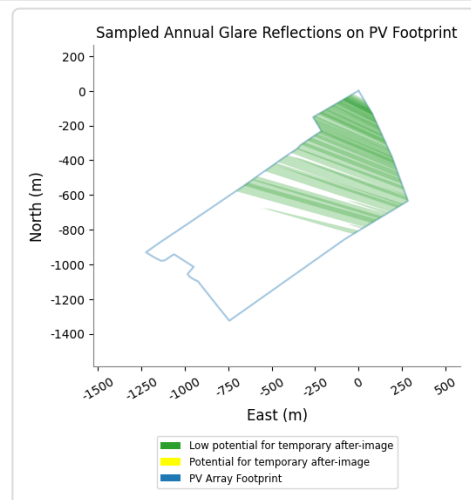
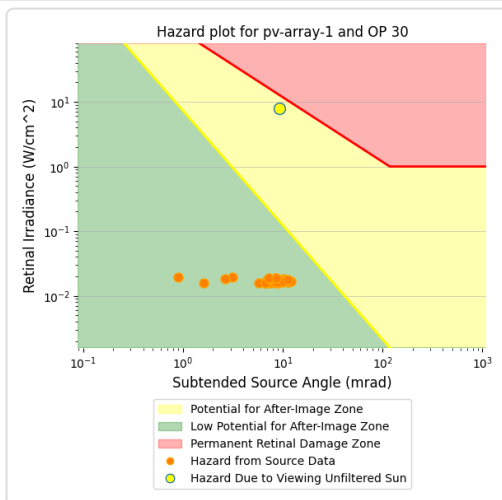
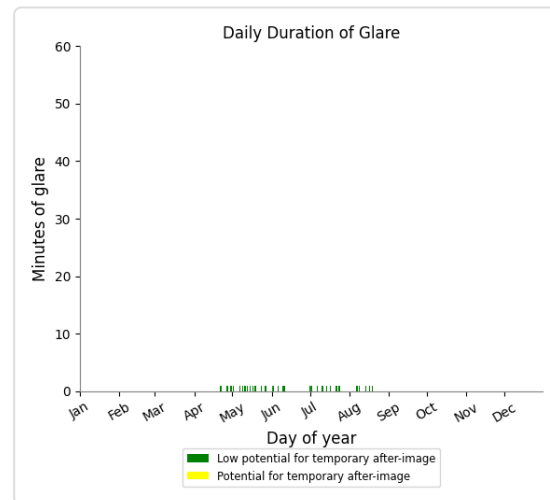
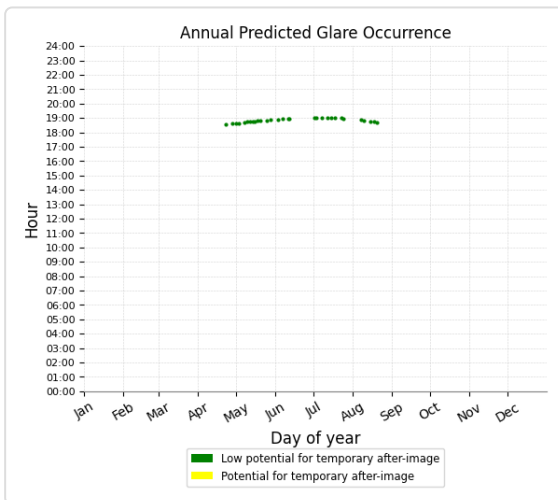
Green glare: 1,306 min.



PV array 1 and OP 30

Yellow glare: none

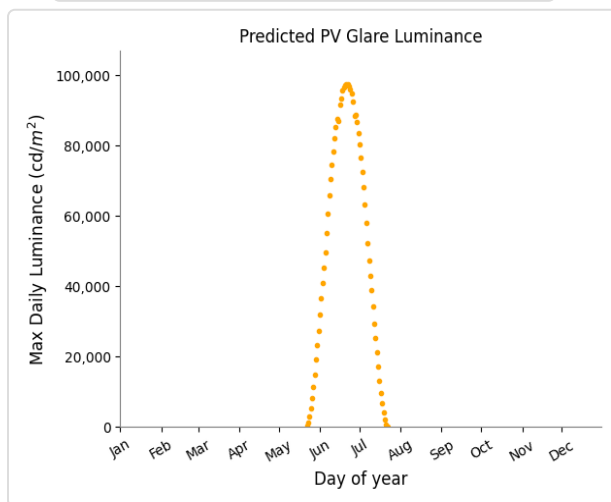
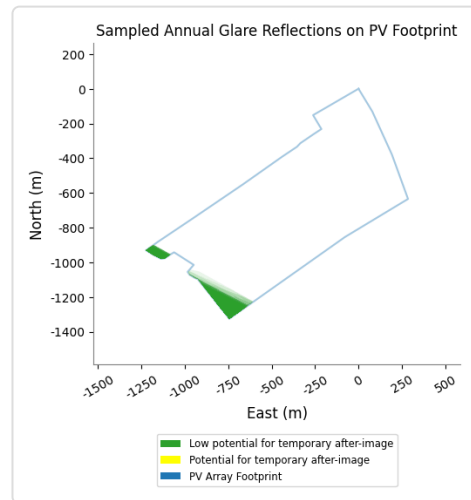
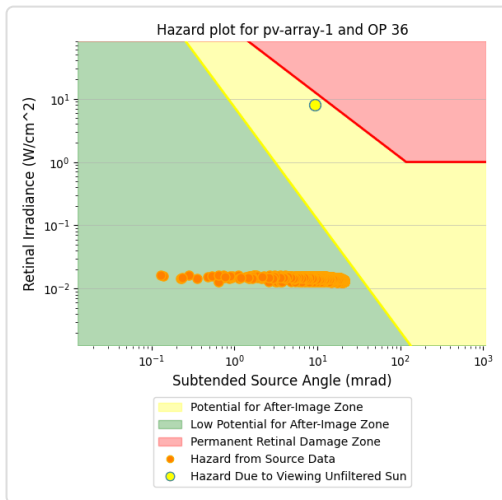
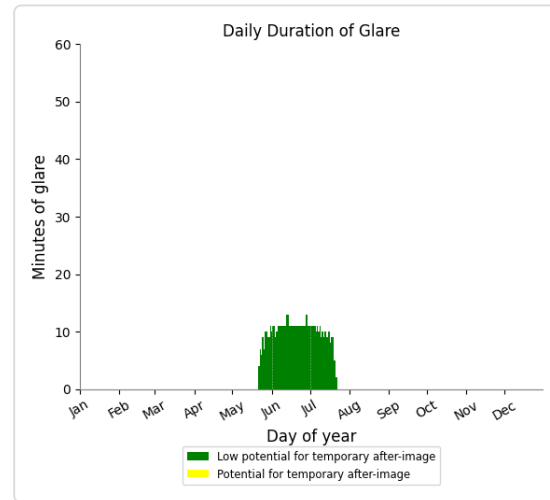
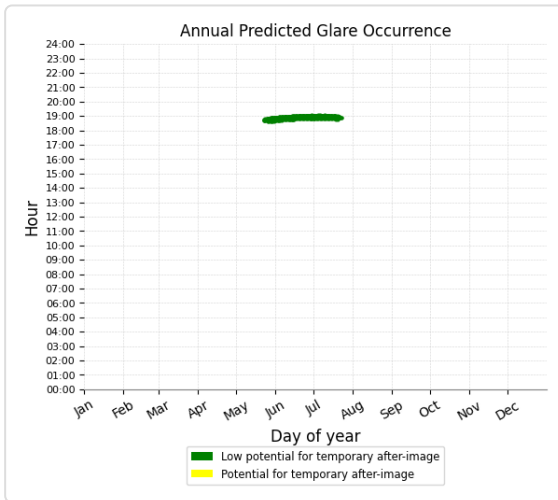
Green glare: 30 min.



PV array 1 and OP 36

Yellow glare: none

Green glare: 617 min.



PV array 1 and OP 1

No glare found

PV array 1 and OP 2

No glare found

PV array 1 and OP 3

No glare found

PV array 1 and OP 4

No glare found

PV array 1 and OP 7

No glare found

PV array 1 and OP 8

No glare found

PV array 1 and OP 9

No glare found

PV array 1 and OP 10

No glare found

PV array 1 and OP 11

No glare found

PV array 1 and OP 12

No glare found

PV array 1 and OP 13

No glare found

PV array 1 and OP 14

No glare found

PV array 1 and OP 15

No glare found

PV array 1 and OP 16

No glare found

PV array 1 and OP 17

No glare found

PV array 1 and OP 18

No glare found

PV array 1 and OP 19

No glare found

PV array 1 and OP 20

No glare found

PV array 1 and OP 21

No glare found

PV array 1 and OP 22

No glare found

PV array 1 and OP 23

No glare found

PV array 1 and OP 24

No glare found

PV array 1 and OP 25

No glare found

PV array 1 and OP 26

No glare found

PV array 1 and OP 27

No glare found

PV array 1 and OP 31

No glare found

PV array 1 and OP 32

No glare found

PV array 1 and OP 33

No glare found

PV array 1 and OP 34

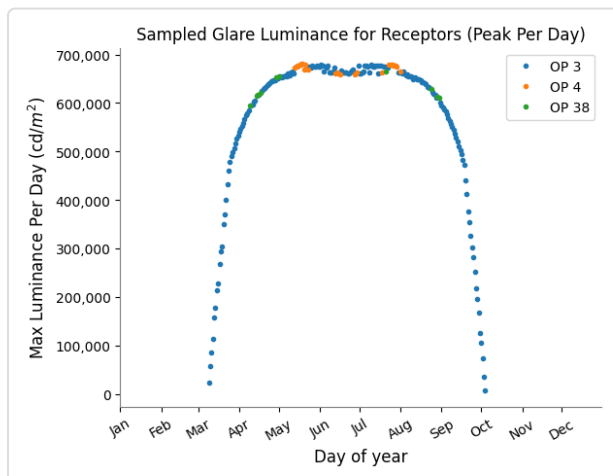
No glare found

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
OP 1	1,034	17.2	1,675	27.9	514,946
OP 3	959	16.0	3,394	56.6	678,541
OP 4	984	16.4	3,297	55.0	680,460
OP 5	1,279	21.3	667	11.1	547,057
OP 7	1,249	20.8	311	5.2	460,893
OP 19	1,941	32.4	41	0.7	282,317
OP 25	1,390	23.2	55	0.9	303,152
OP 27	2,225	37.1	17	0.3	272,375
OP 35	1,290	21.5	57	0.9	273,817
OP 36	1,775	29.6	981	16.4	352,998
OP 38	987	16.4	2,110	35.2	666,465
OP 8	34	0.6	0	0.0	118,200
OP 12	100	1.7	0	0.0	7,716
OP 13	1,127	18.8	0	0.0	158,539
OP 14	1,099	18.3	0	0.0	145,601
OP 15	771	12.8	0	0.0	101,319
OP 16	1,392	23.2	0	0.0	180,221
OP 17	1,525	25.4	0	0.0	179,060
OP 18	1,824	30.4	0	0.0	232,437
OP 20	1,852	30.9	0	0.0	213,254
OP 21	586	9.8	0	0.0	101,538
OP 24	854	14.2	0	0.0	154,082
OP 26	1,985	33.1	0	0.0	243,420
OP 28	2,473	41.2	0	0.0	251,207
OP 29	1,560	26.0	0	0.0	224,711
OP 30	751	12.5	0	0.0	155,774
OP 37	107	1.8	0	0.0	7,048
OP 39	57	0.9	0	0.0	69,646
OP 2	0	0.0	0	0.0	0
OP 6	0	0.0	0	0.0	0
OP 9	0	0.0	0	0.0	0
OP 10	0	0.0	0	0.0	0
OP 11	0	0.0	0	0.0	0
OP 22	0	0.0	0	0.0	0
OP 23	0	0.0	0	0.0	0
OP 31	0	0.0	0	0.0	0
OP 32	0	0.0	0	0.0	0
OP 33	0	0.0	0	0.0	0

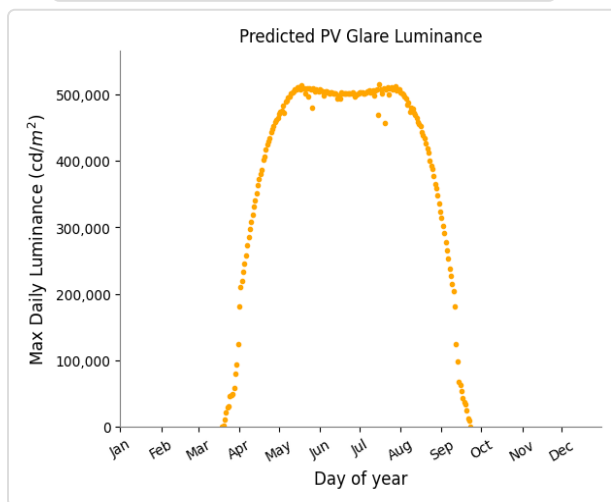
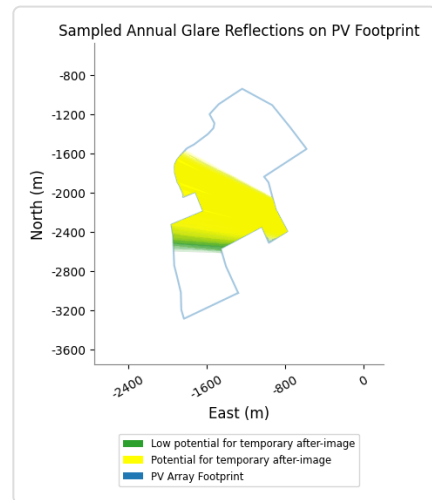
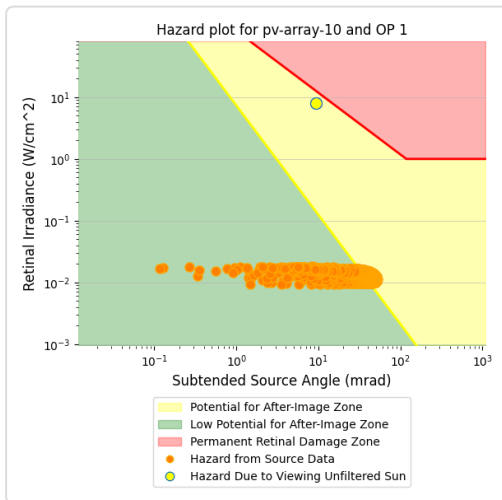
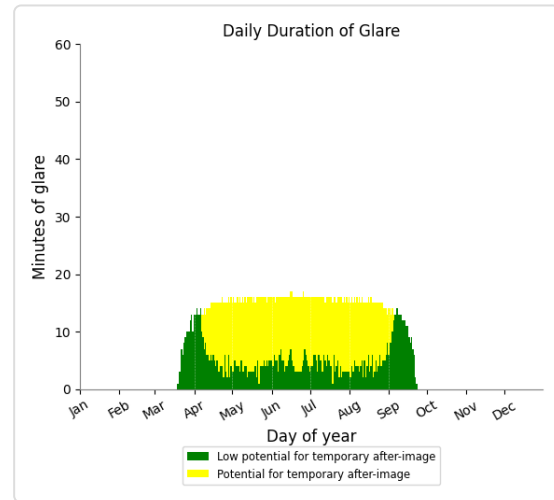
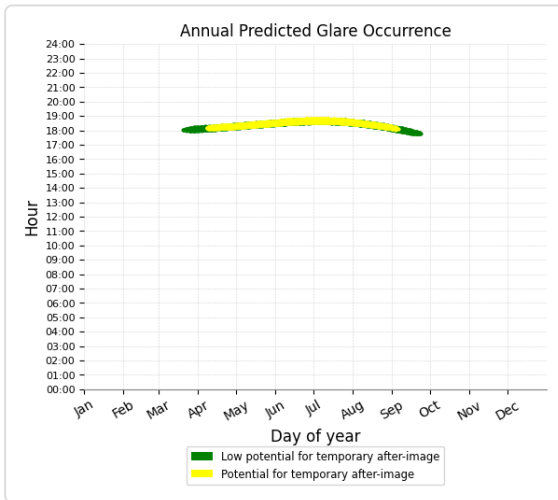
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
OP 34	0	0.0	0	0.0	0



PV array 10 and OP 1

Yellow glare: 1,675 min.

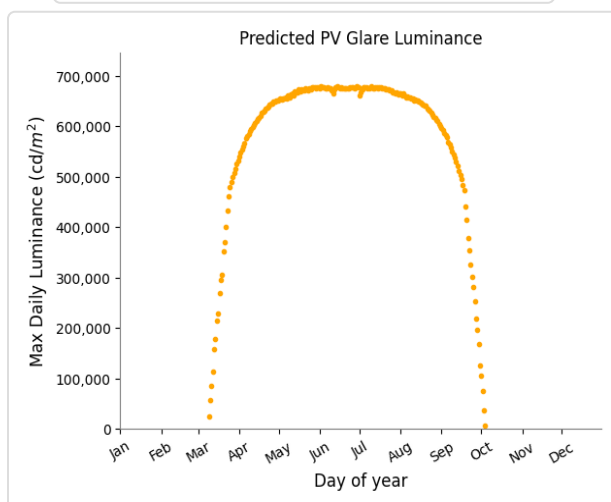
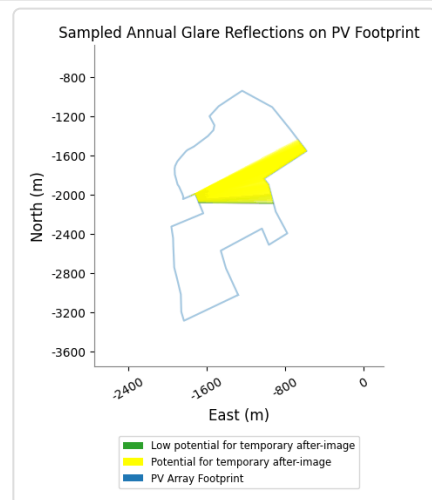
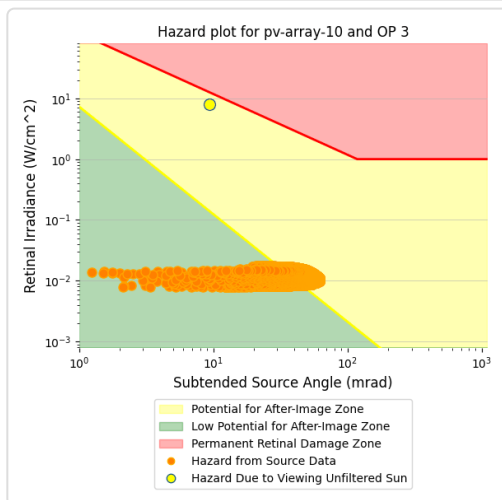
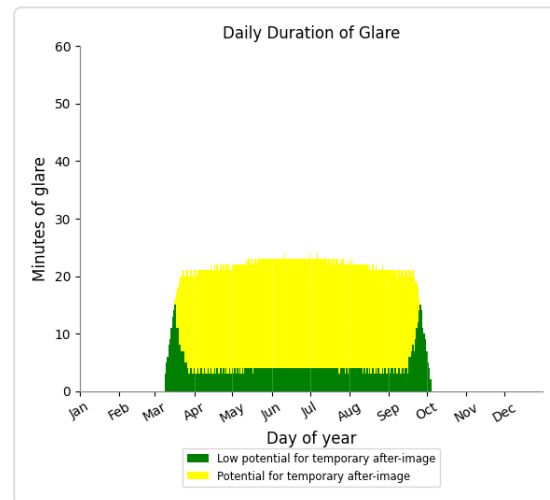
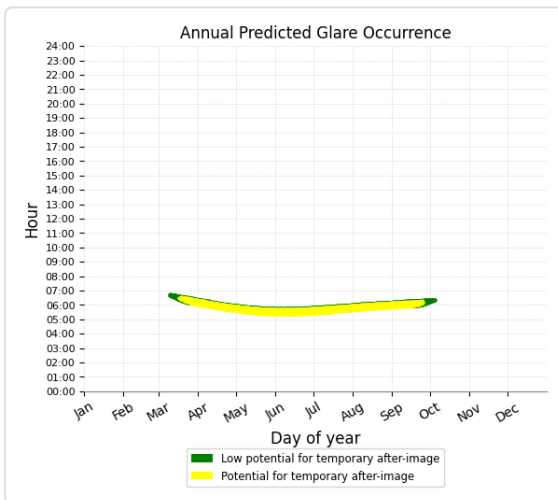
Green glare: 1,034 min.



PV array 10 and OP 3

Yellow glare: 3,394 min.

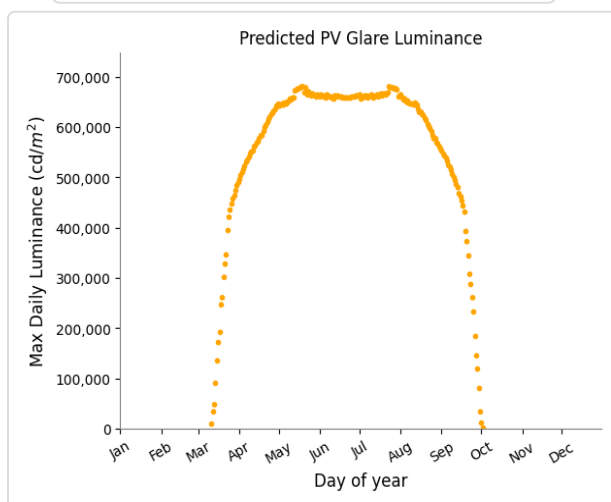
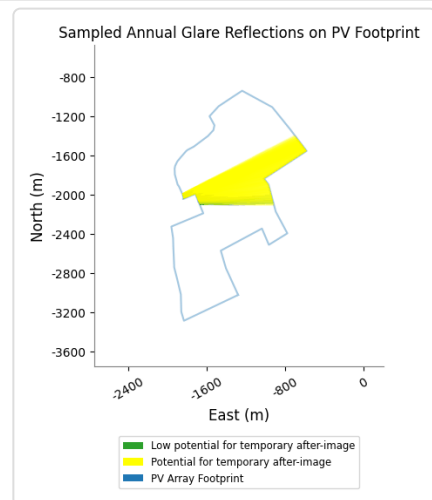
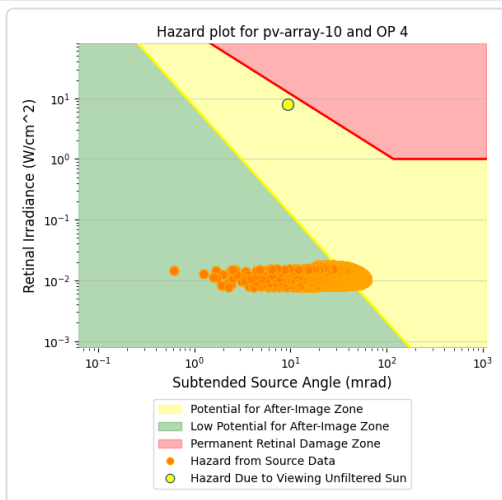
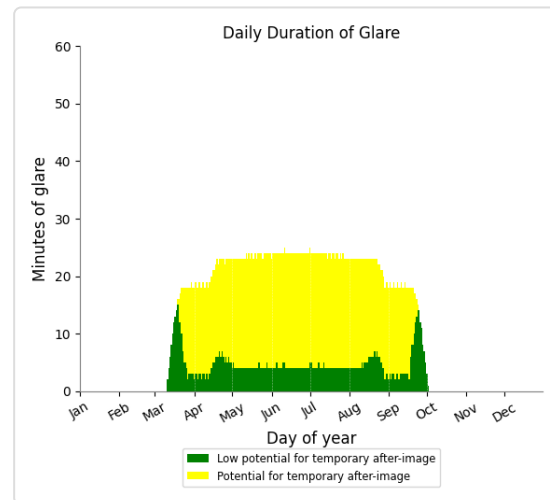
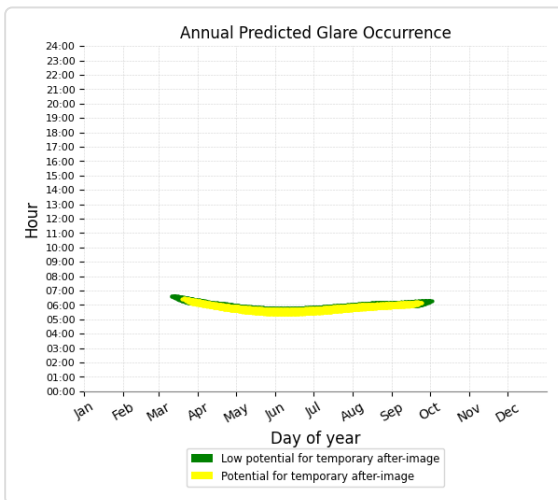
Green glare: 959 min.



PV array 10 and OP 4

Yellow glare: 3,297 min.

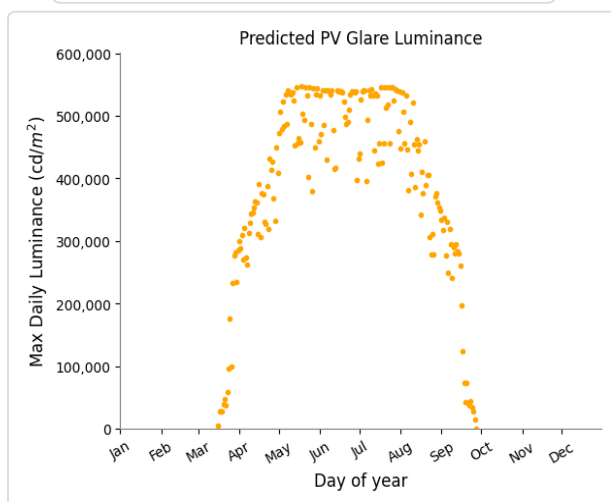
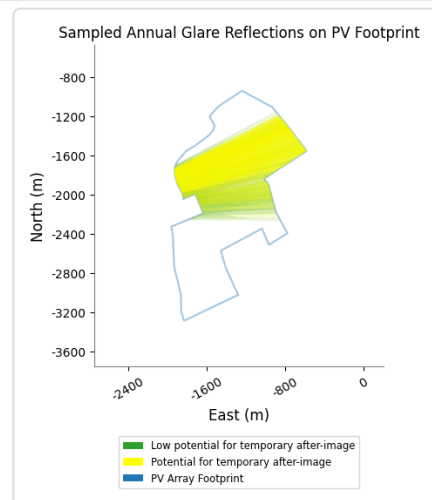
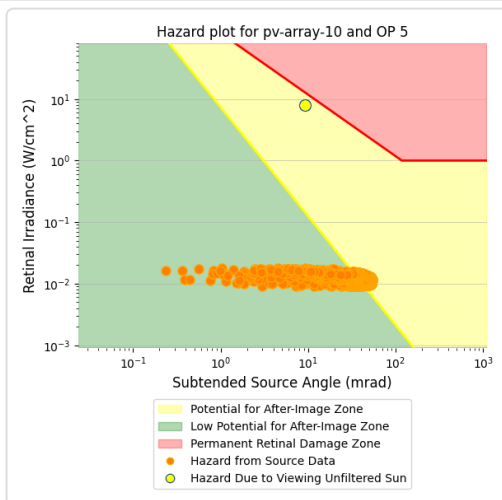
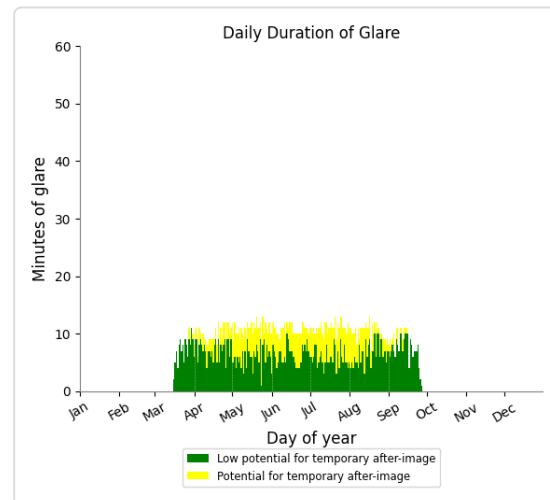
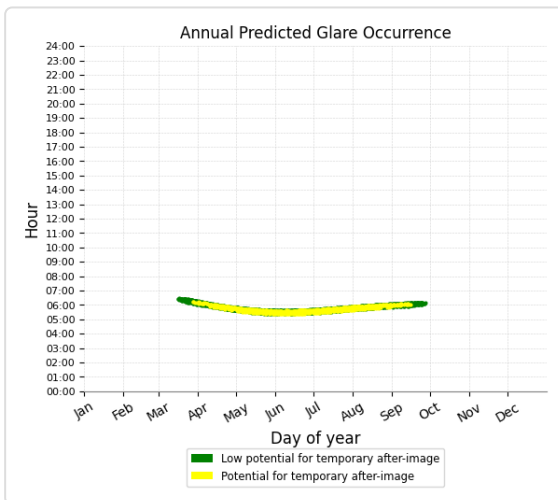
Green glare: 984 min.



PV array 10 and OP 5

Yellow glare: 667 min.

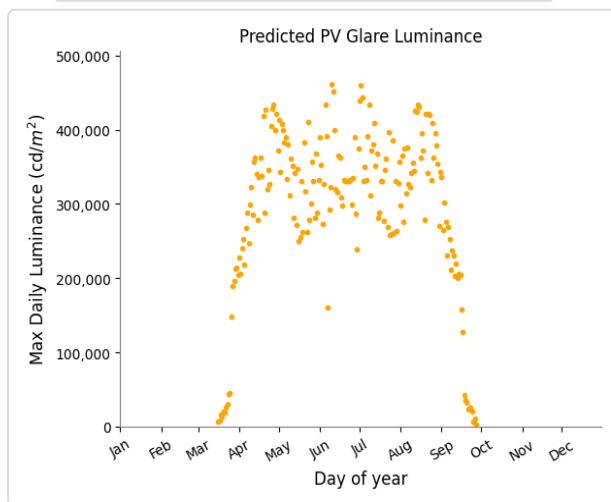
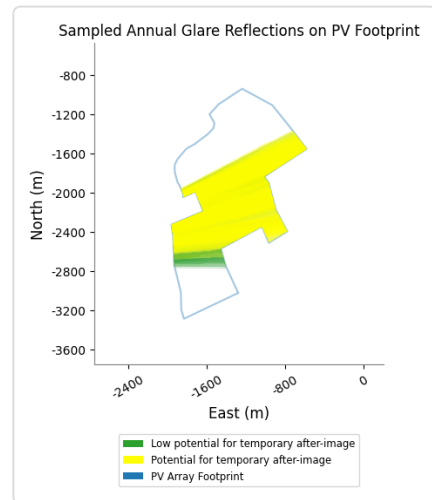
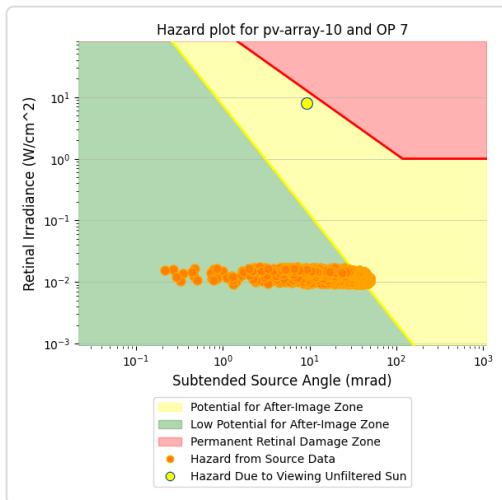
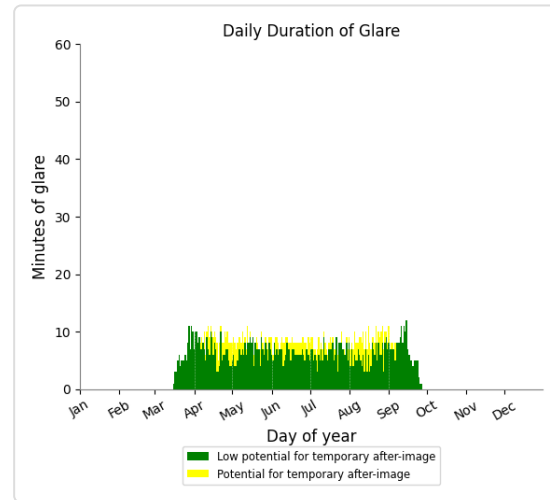
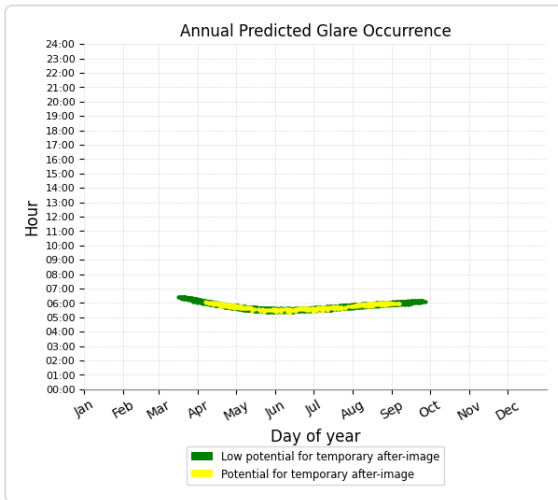
Green glare: 1,279 min.



PV array 10 and OP 7

Yellow glare: 311 min.

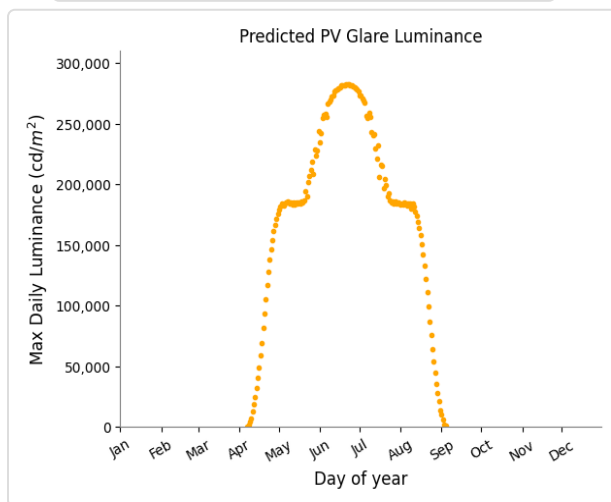
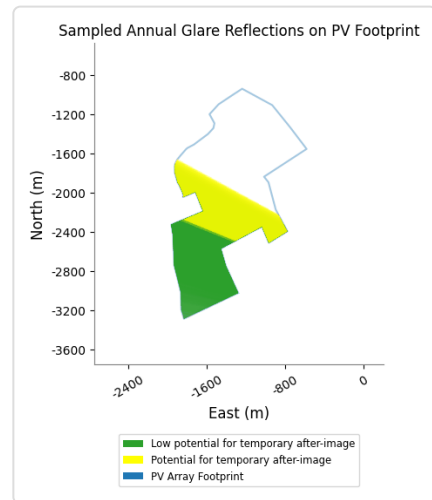
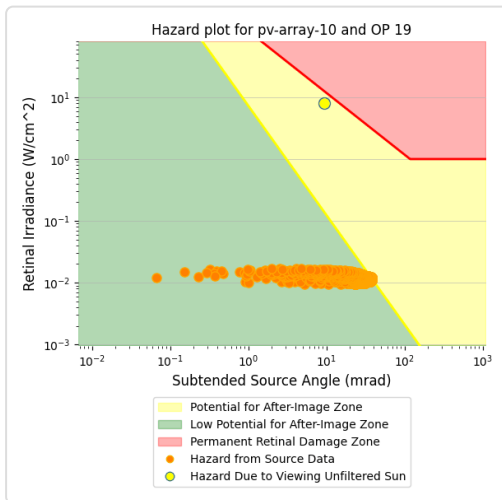
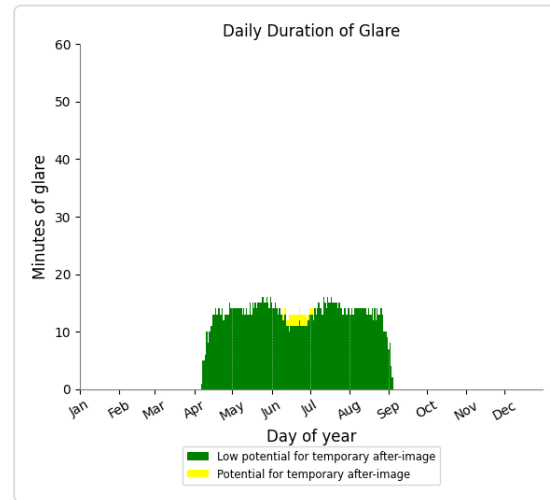
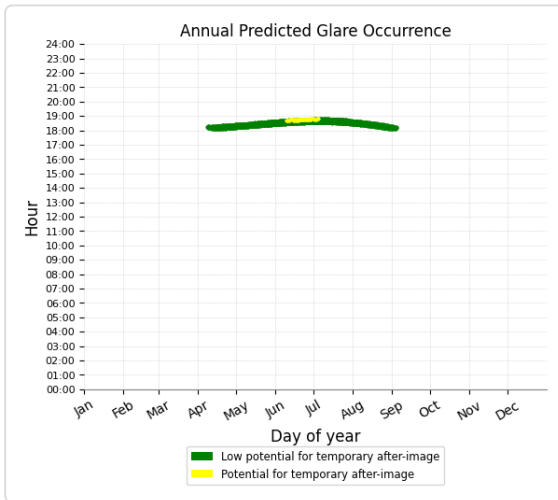
Green glare: 1,249 min.



PV array 10 and OP 19

Yellow glare: 41 min.

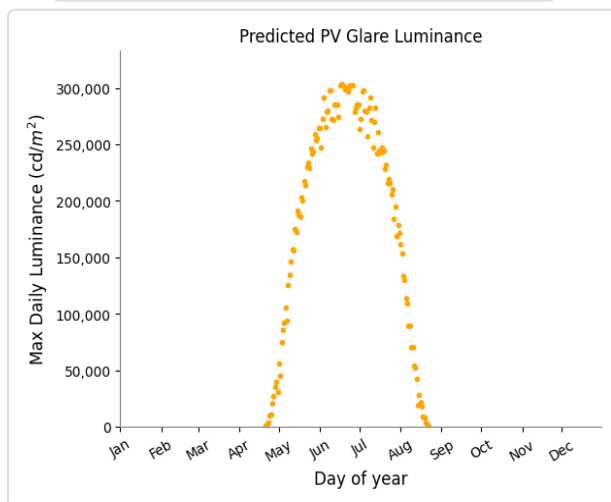
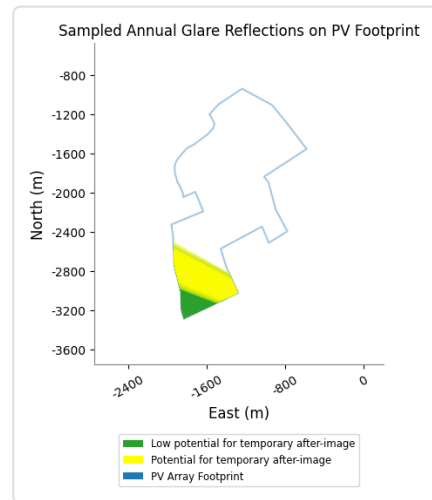
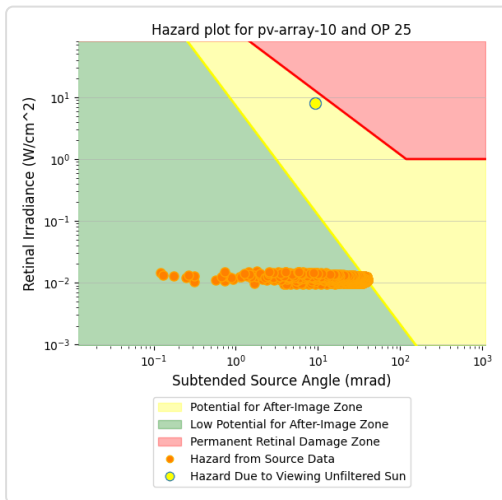
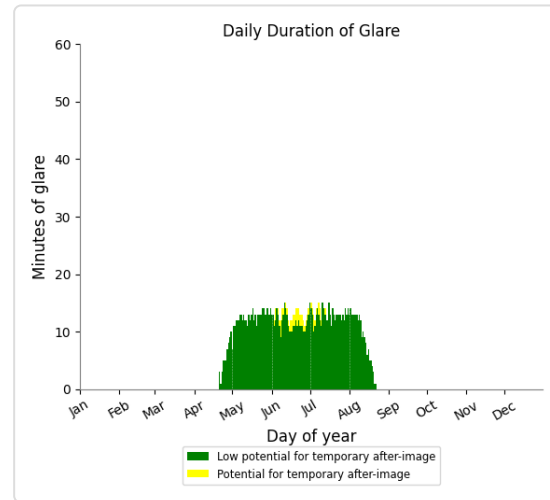
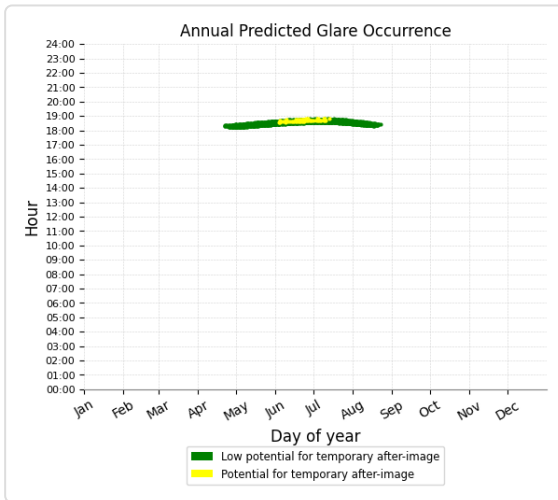
Green glare: 1,941 min.



PV array 10 and OP 25

Yellow glare: 55 min.

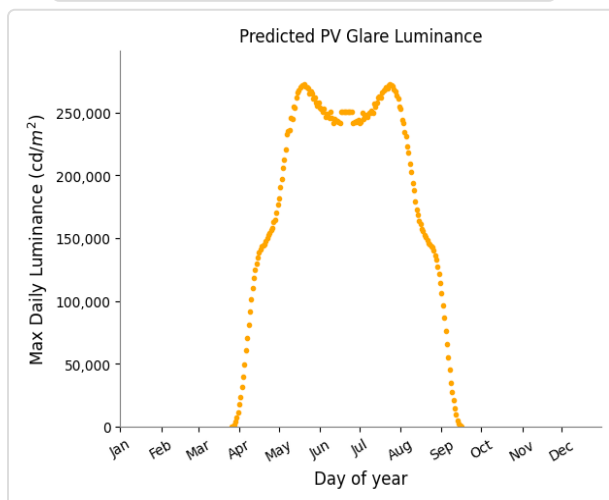
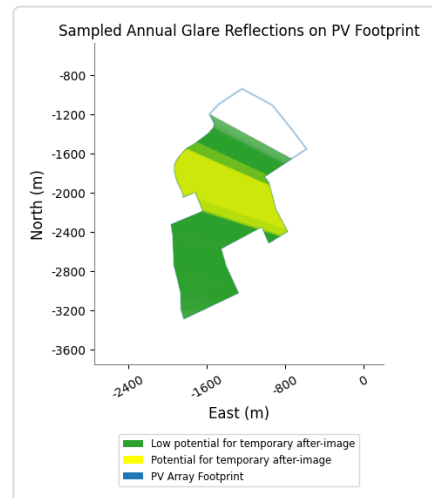
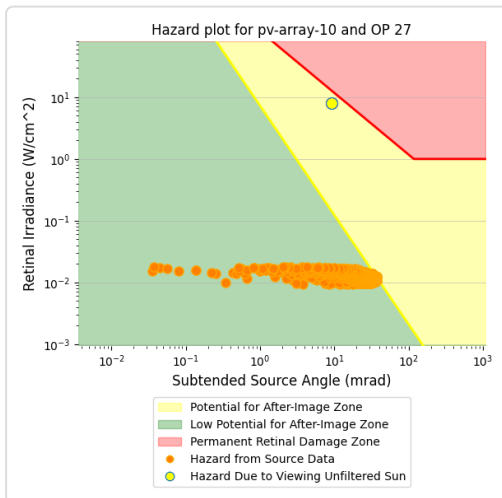
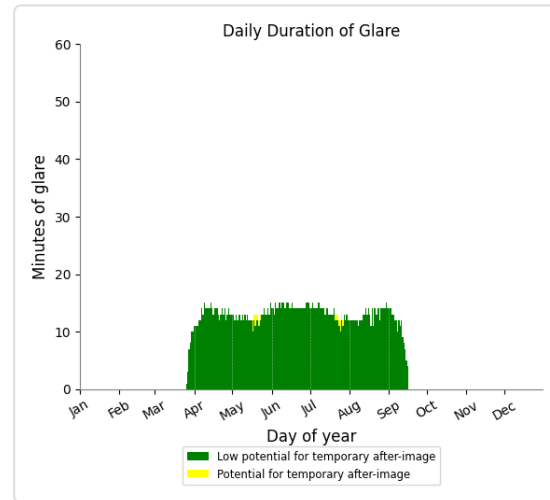
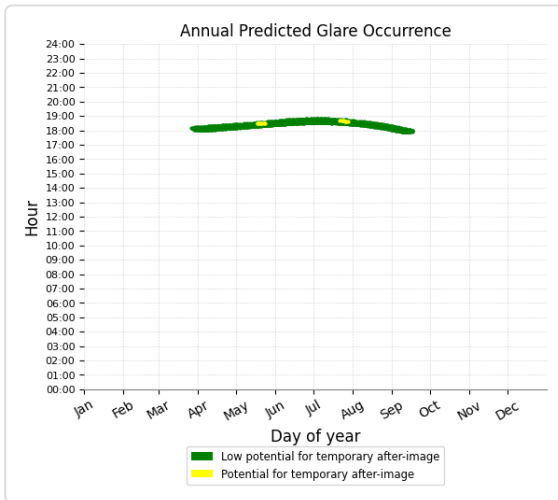
Green glare: 1,390 min.



PV array 10 and OP 27

Yellow glare: 17 min.

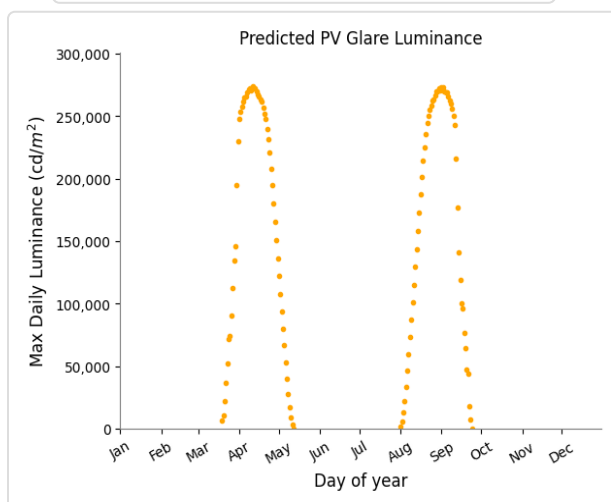
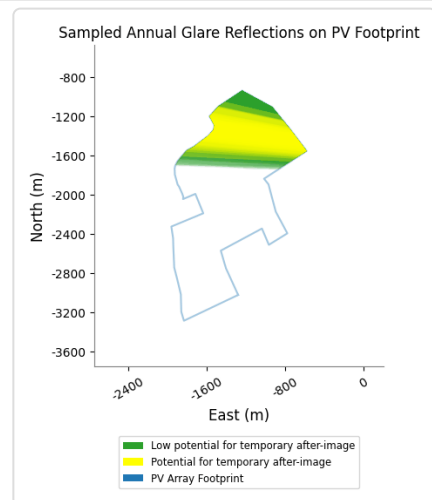
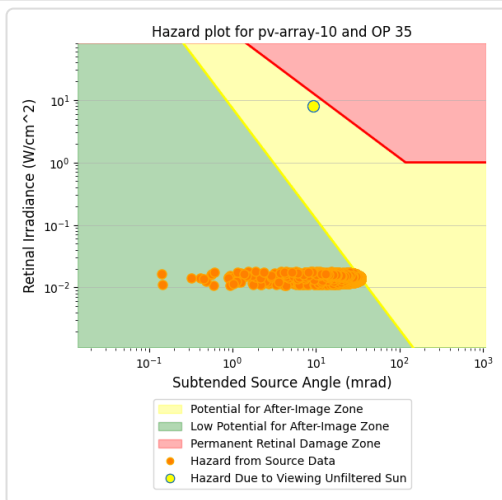
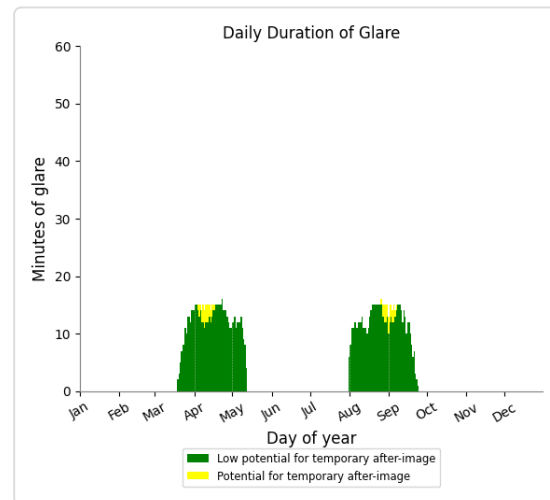
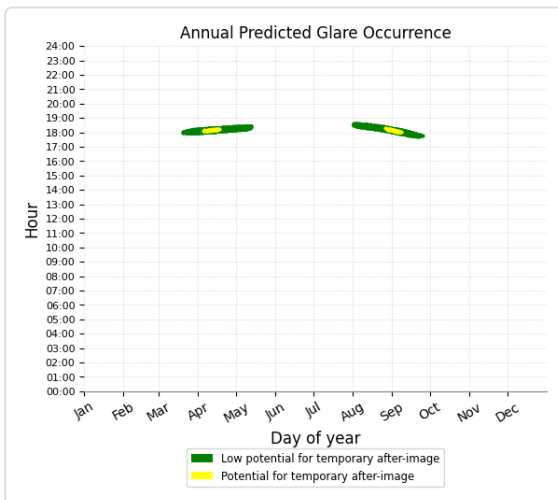
Green glare: 2,225 min.



PV array 10 and OP 35

Yellow glare: 57 min.

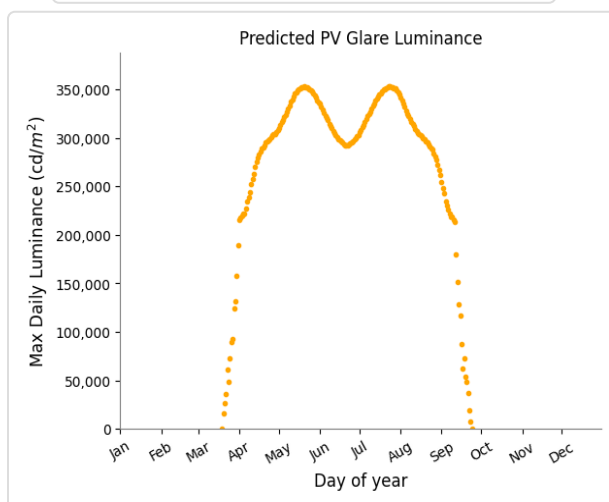
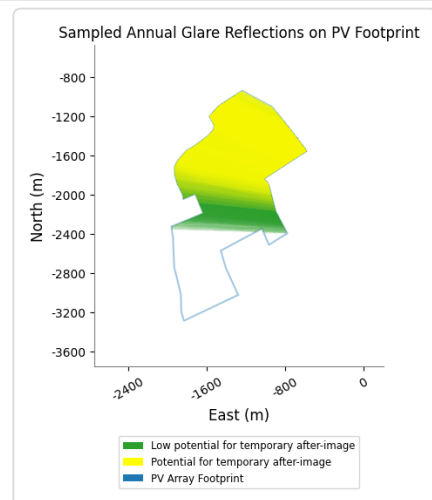
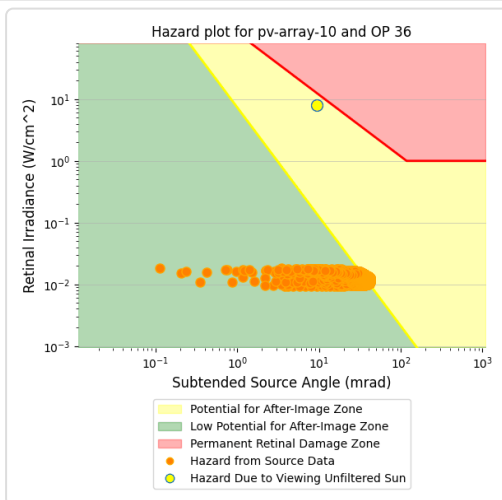
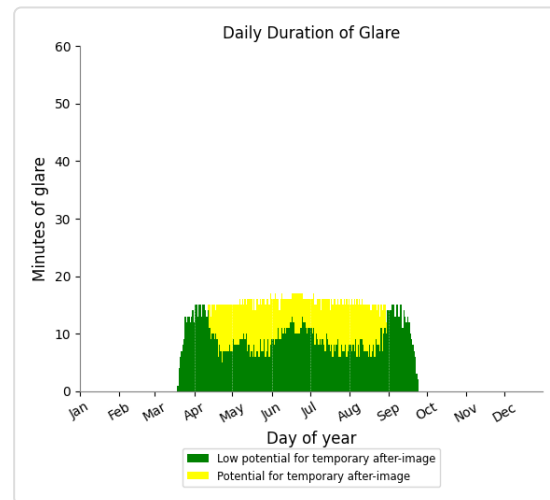
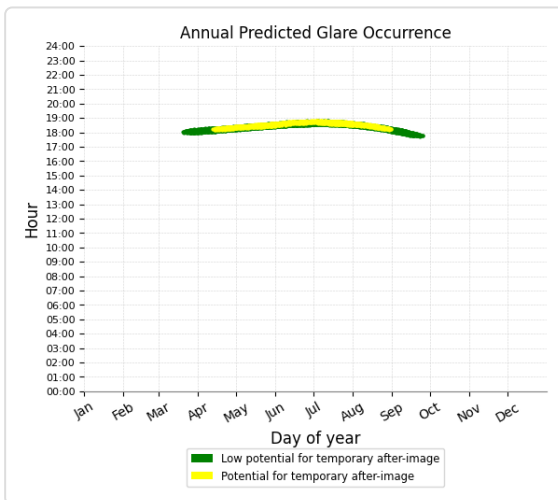
Green glare: 1,290 min.



PV array 10 and OP 36

Yellow glare: 981 min.

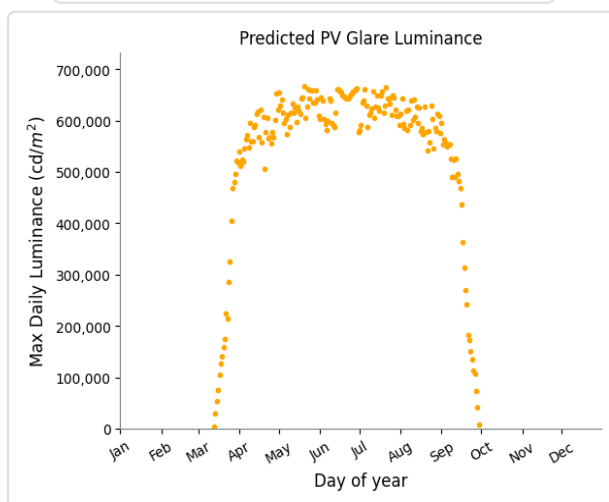
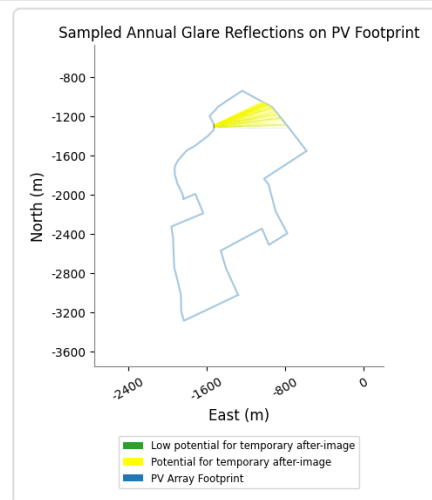
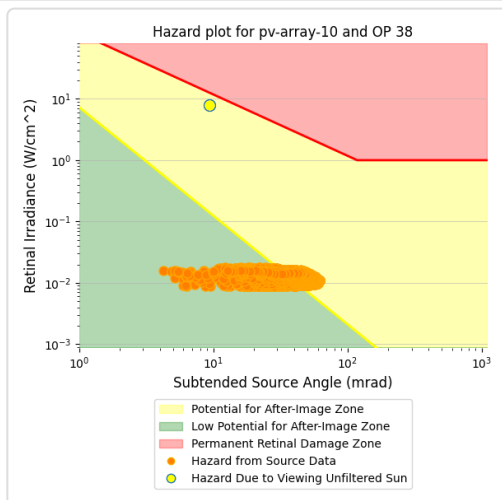
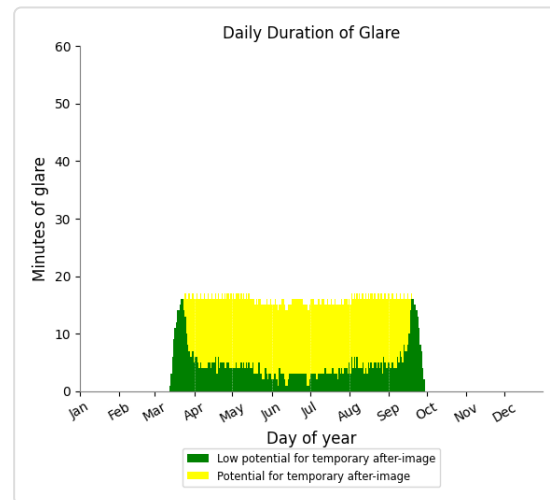
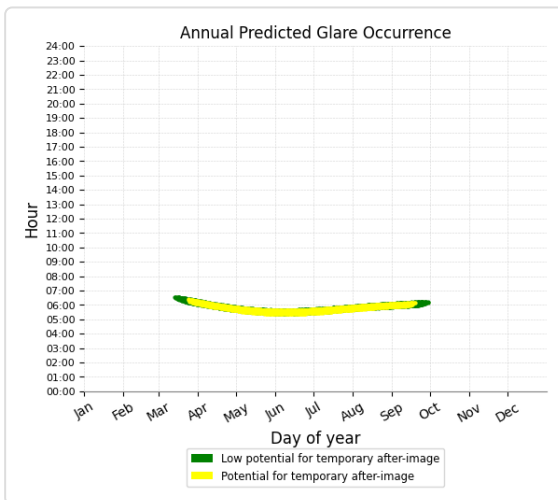
Green glare: 1,775 min.



PV array 10 and OP 38

Yellow glare: 2,110 min.

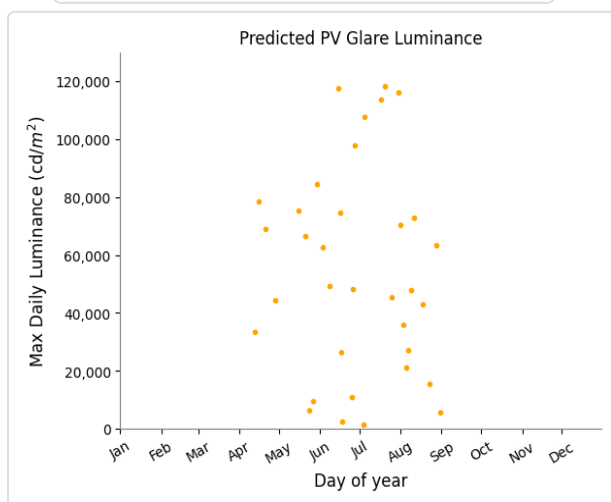
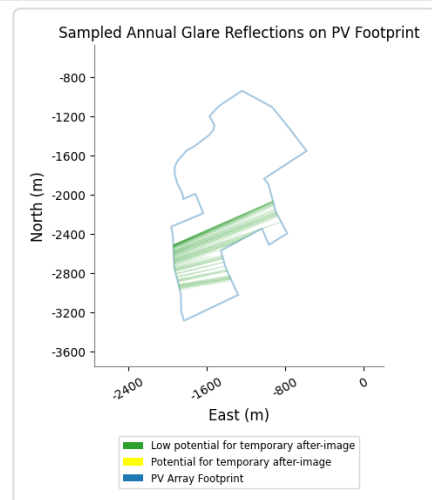
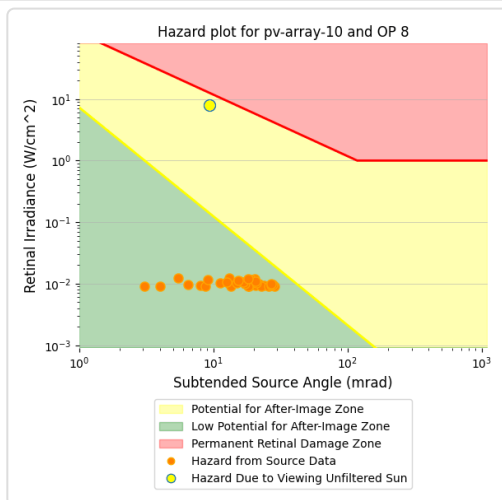
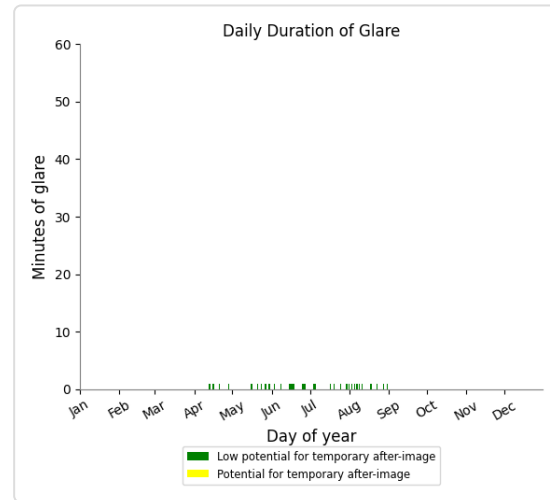
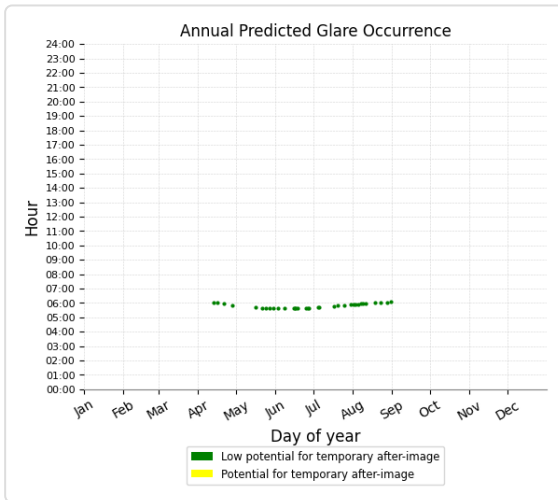
Green glare: 987 min.



PV array 10 and OP 8

Yellow glare: none

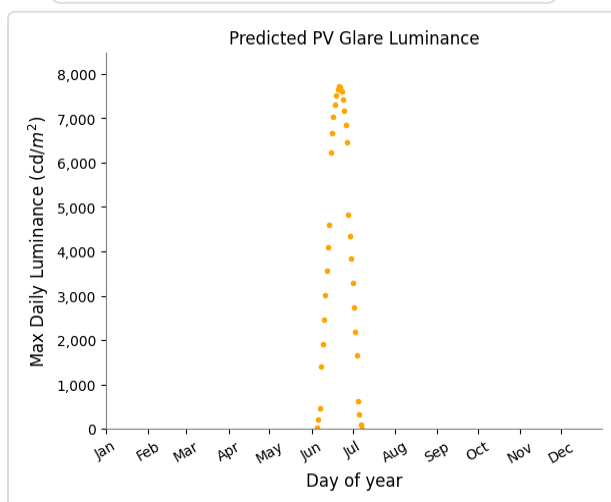
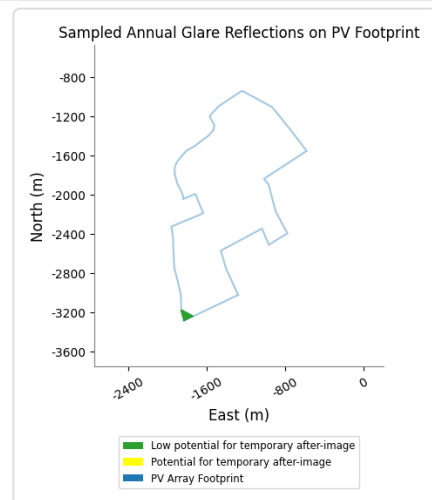
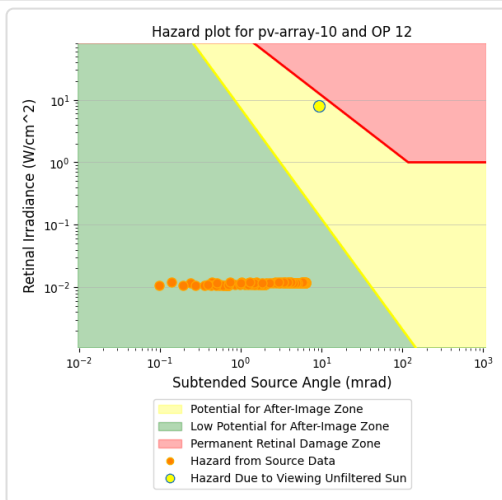
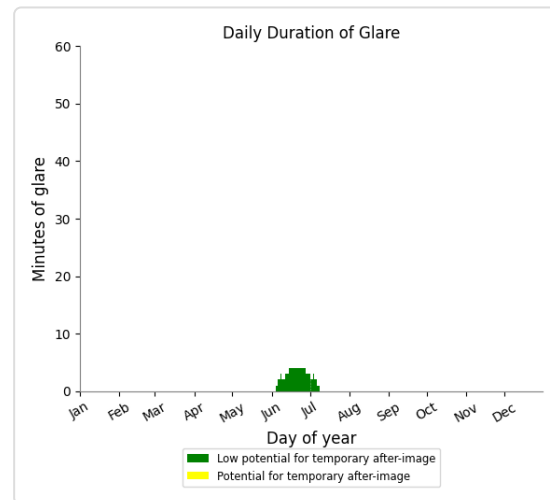
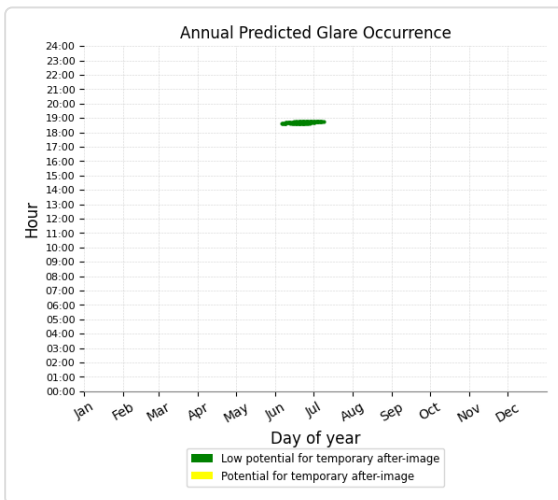
Green glare: 34 min.



PV array 10 and OP 12

Yellow glare: none

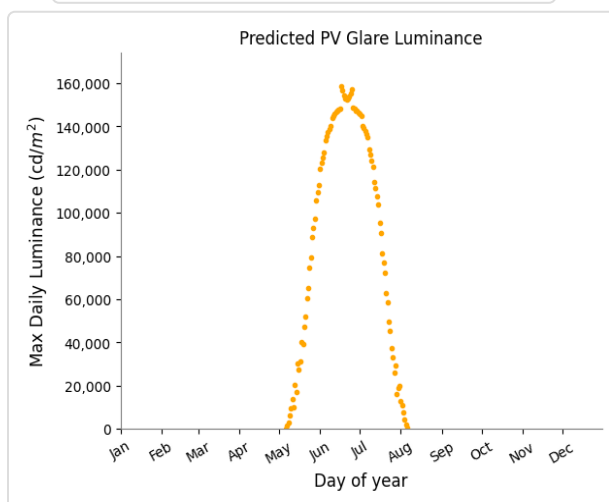
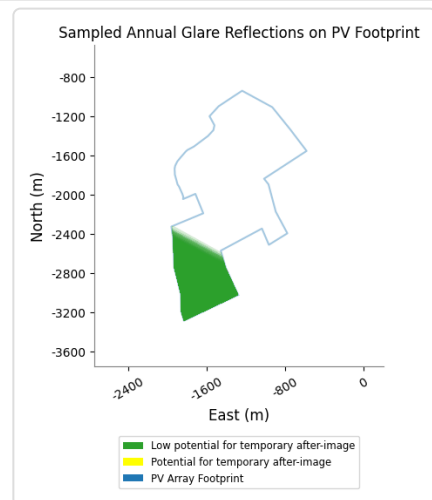
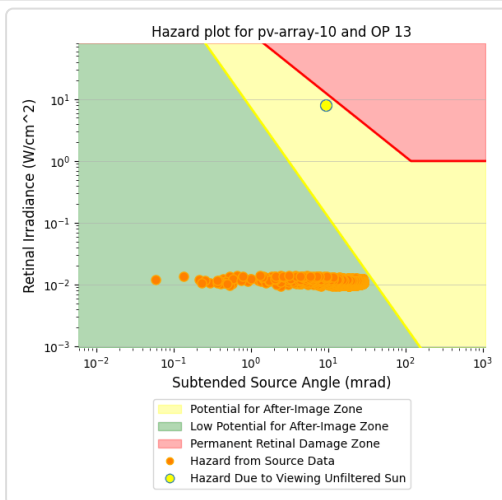
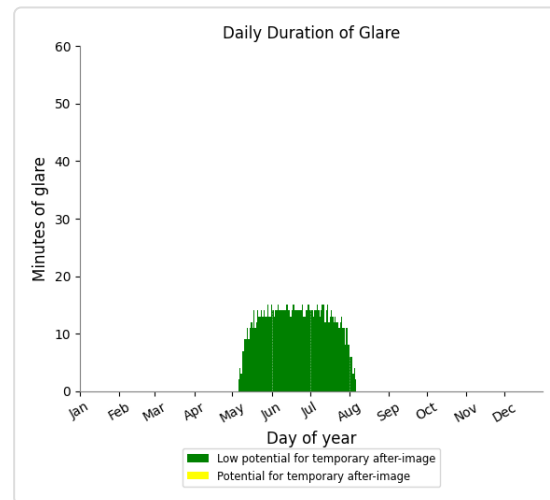
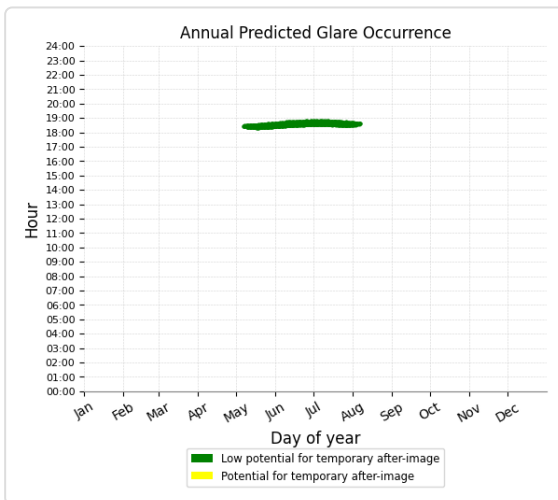
Green glare: 100 min.



PV array 10 and OP 13

Yellow glare: none

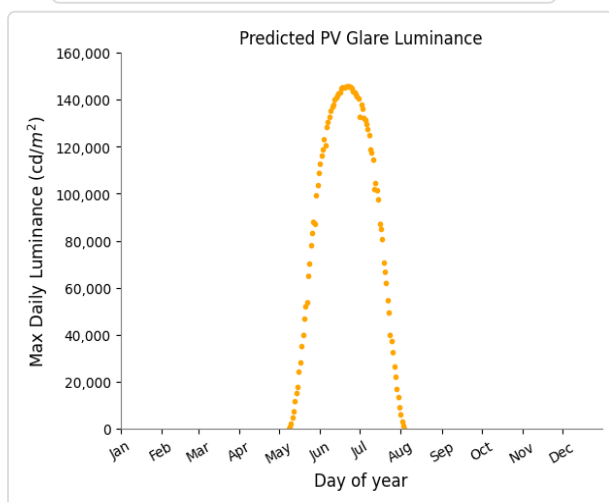
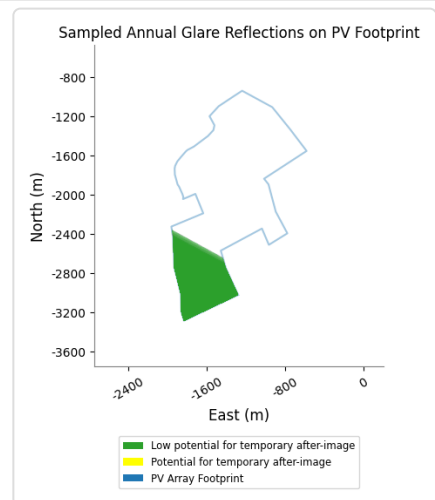
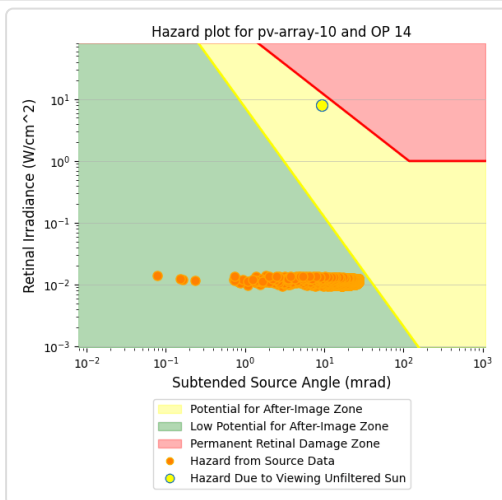
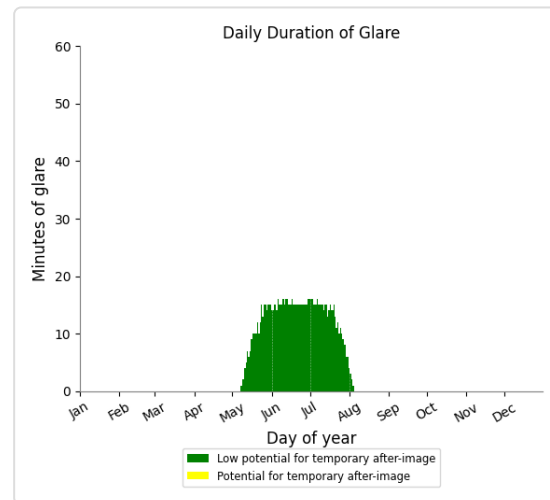
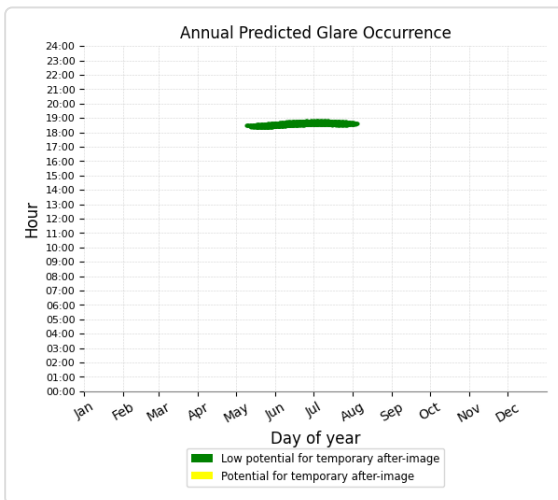
Green glare: 1,127 min.



PV array 10 and OP 14

Yellow glare: none

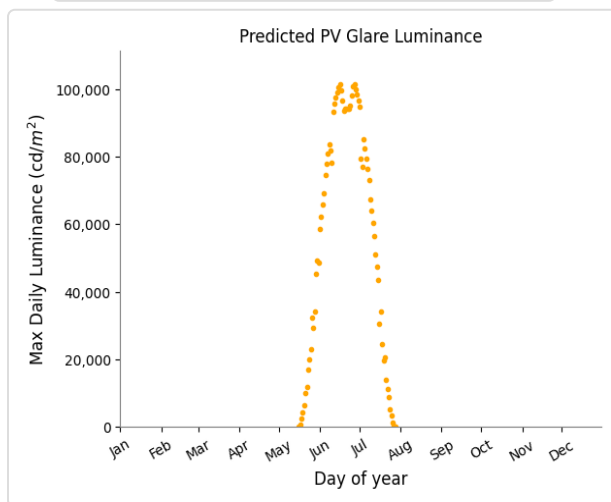
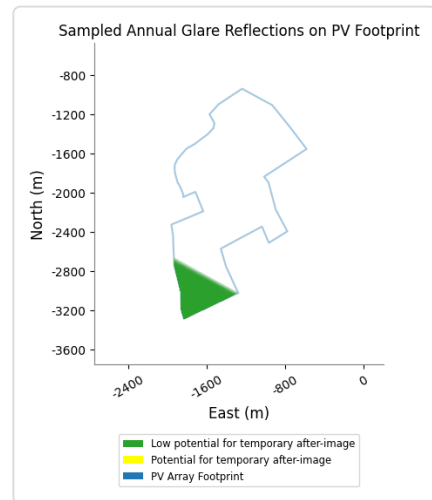
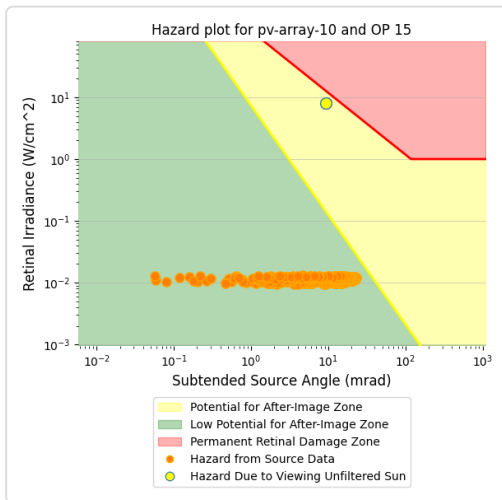
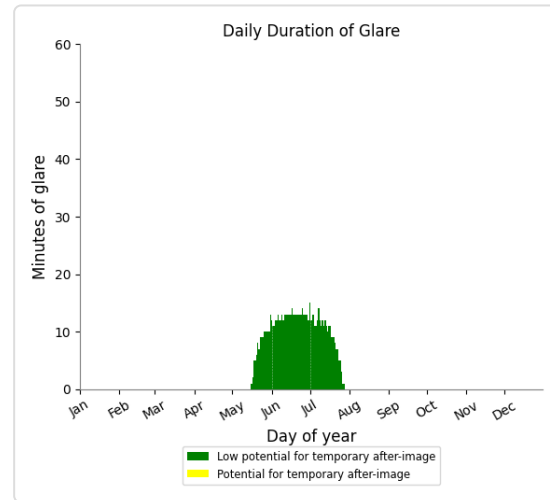
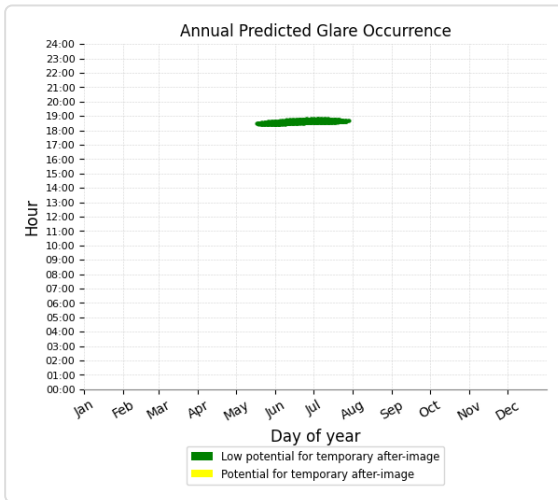
Green glare: 1,099 min.



PV array 10 and OP 15

Yellow glare: none

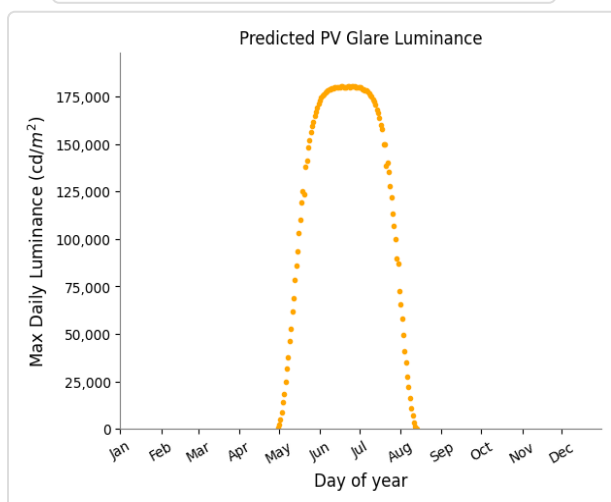
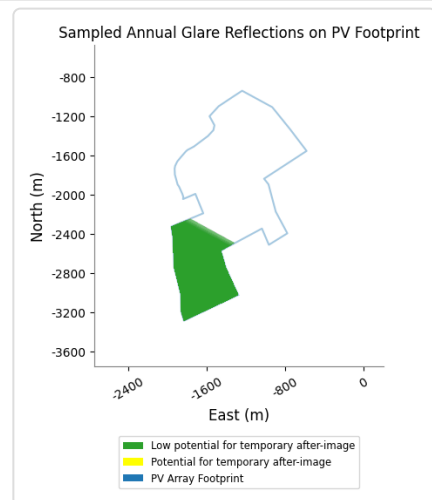
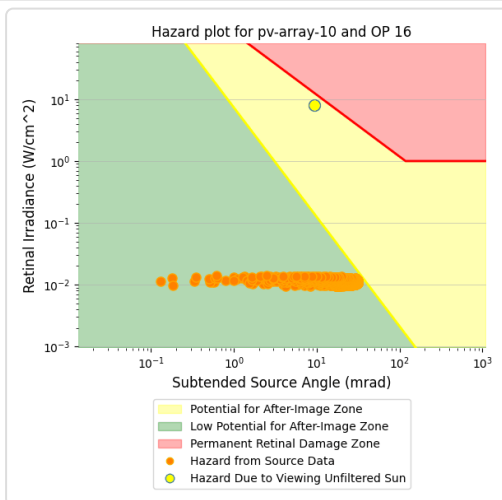
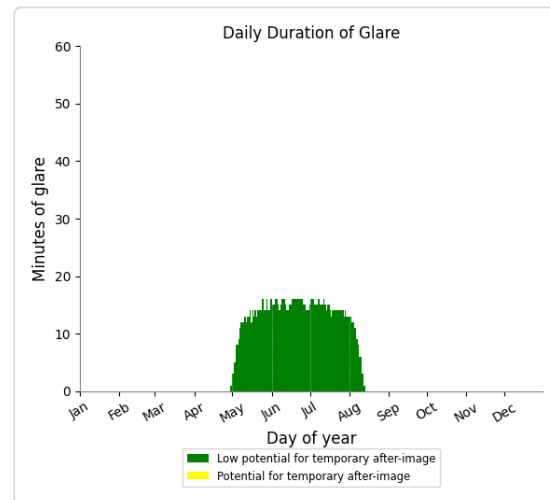
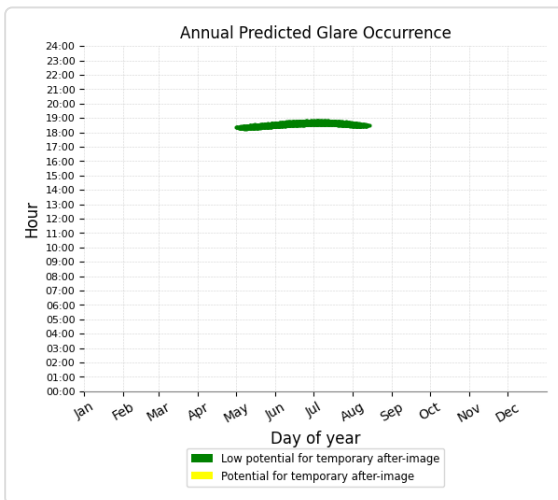
Green glare: 771 min.



PV array 10 and OP 16

Yellow glare: none

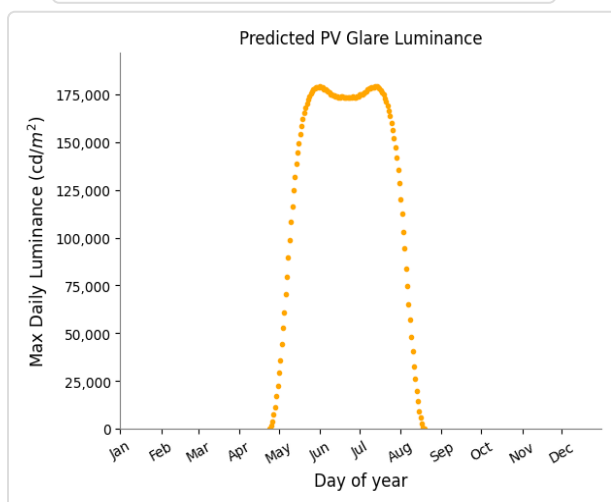
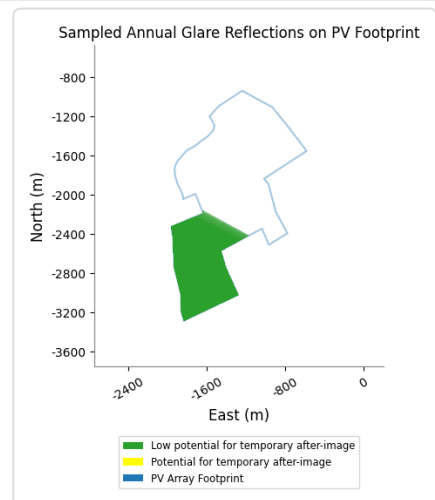
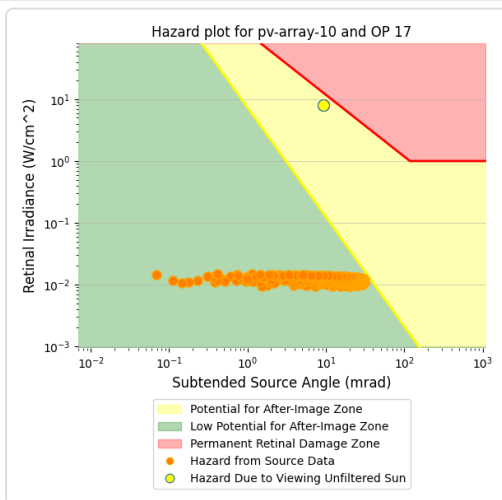
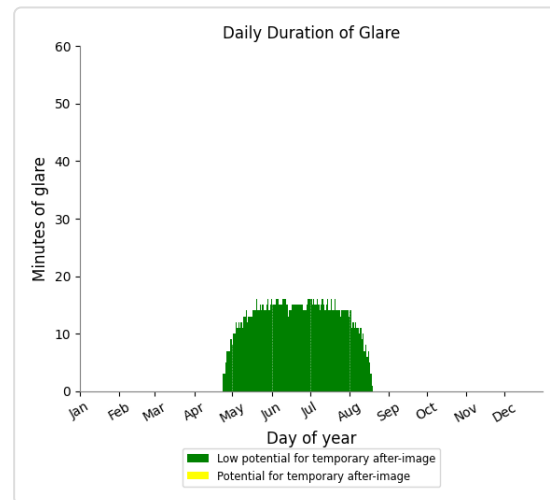
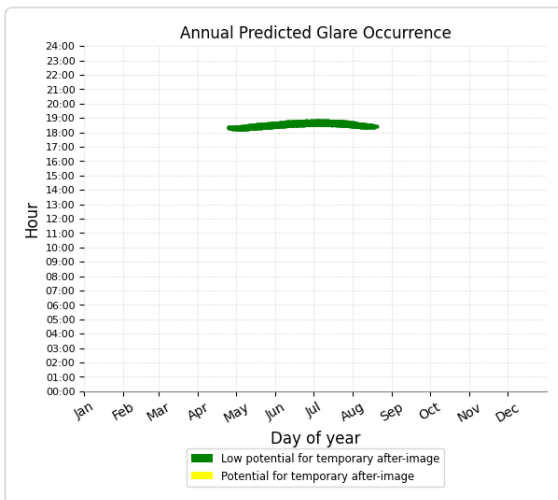
Green glare: 1,392 min.



PV array 10 and OP 17

Yellow glare: none

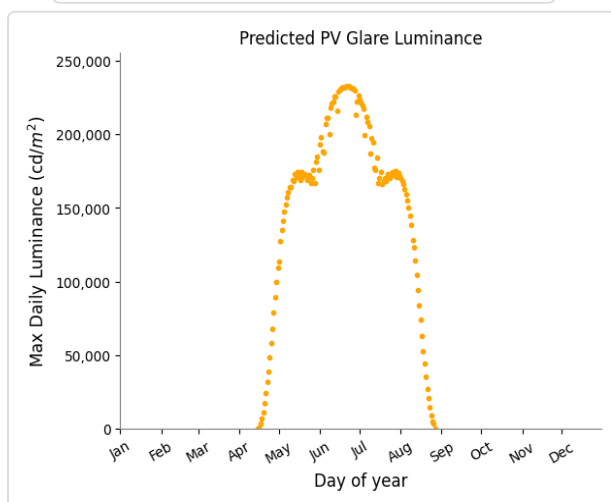
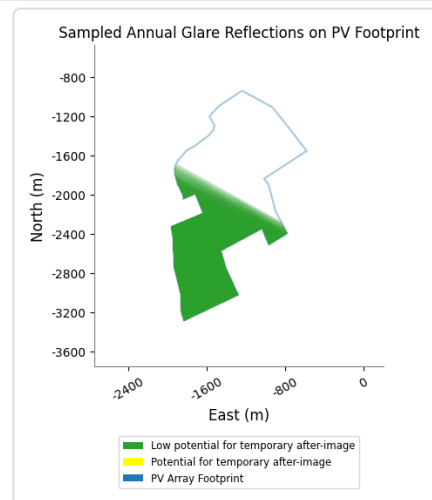
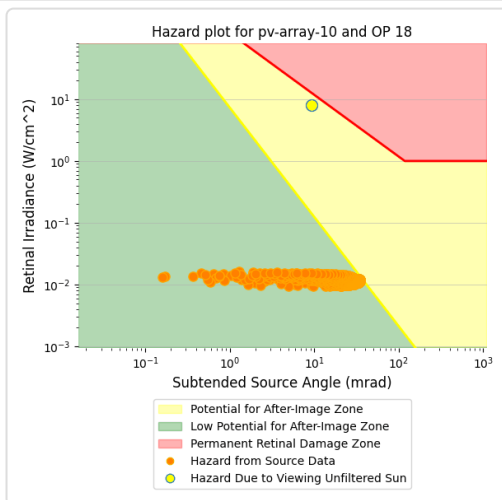
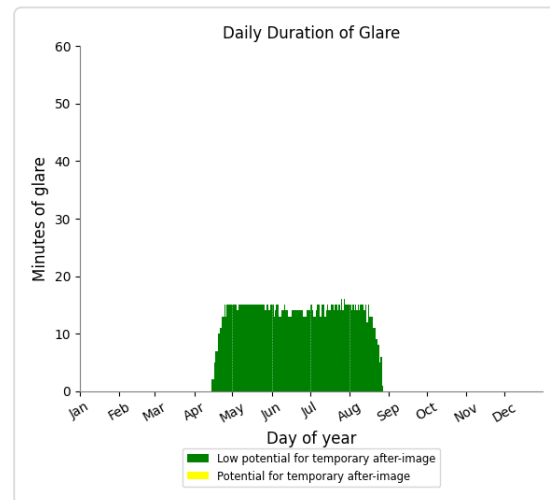
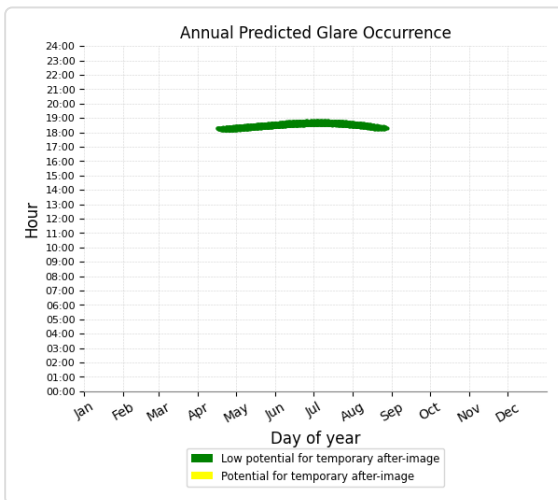
Green glare: 1,525 min.



PV array 10 and OP 18

Yellow glare: none

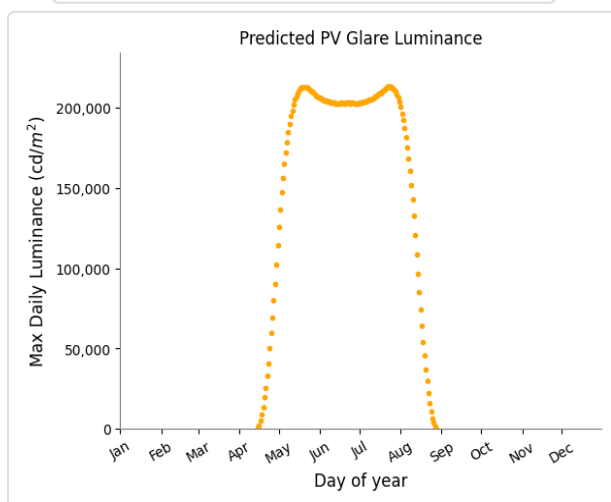
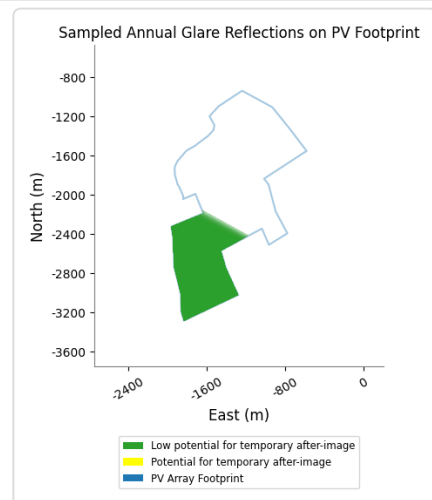
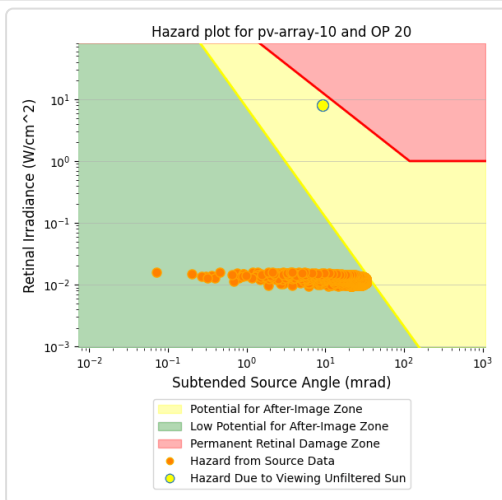
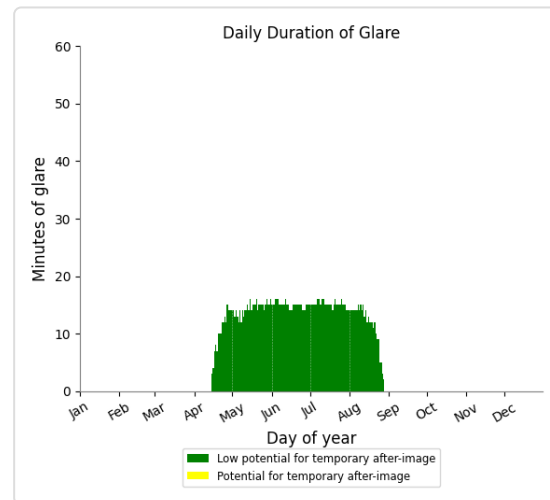
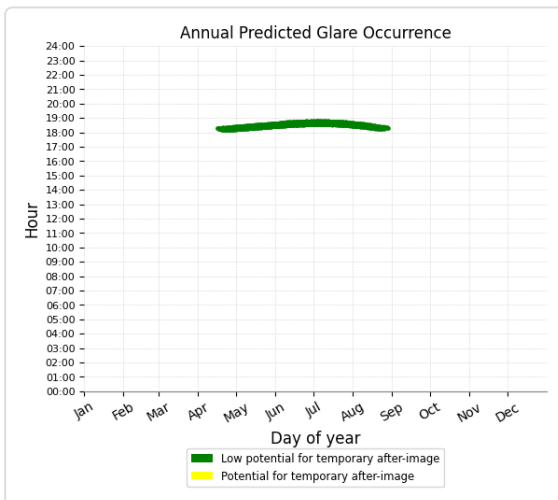
Green glare: 1,824 min.



PV array 10 and OP 20

Yellow glare: none

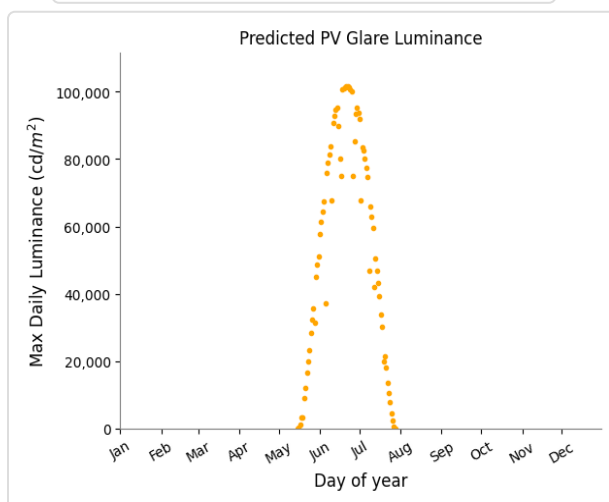
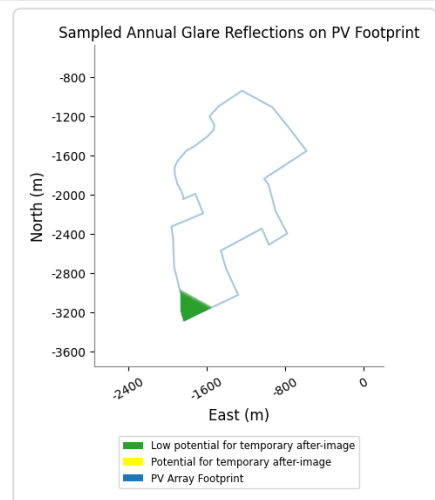
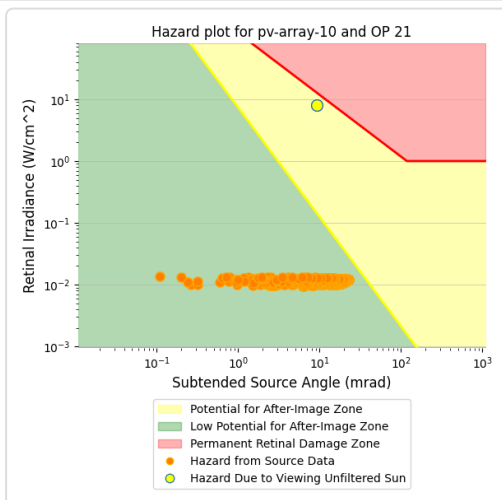
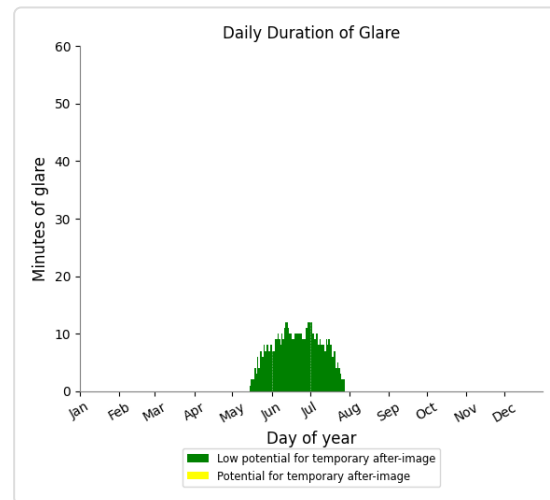
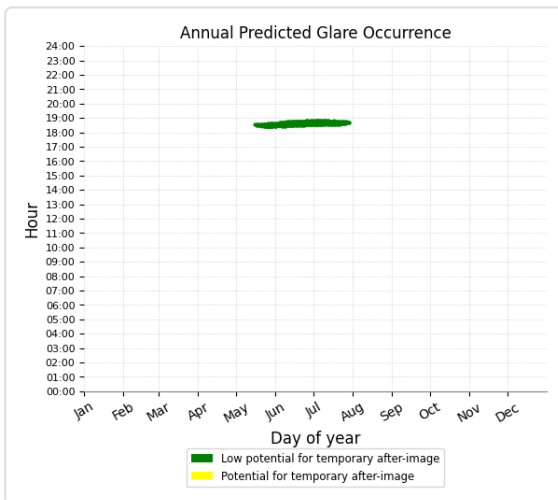
Green glare: 1,852 min.



PV array 10 and OP 21

Yellow glare: none

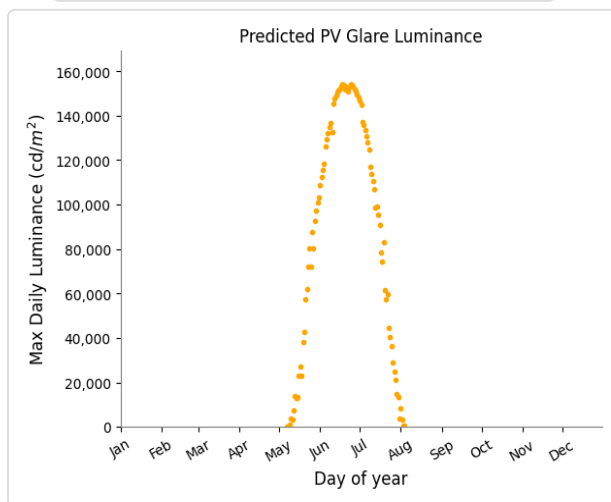
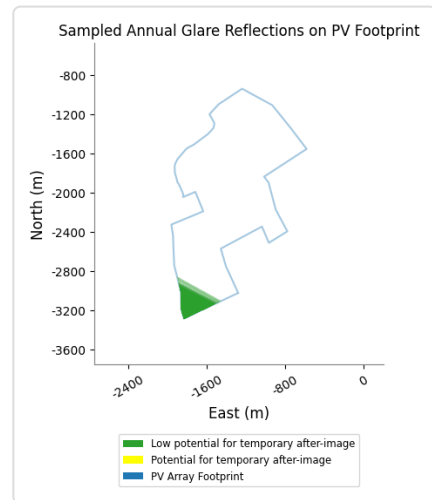
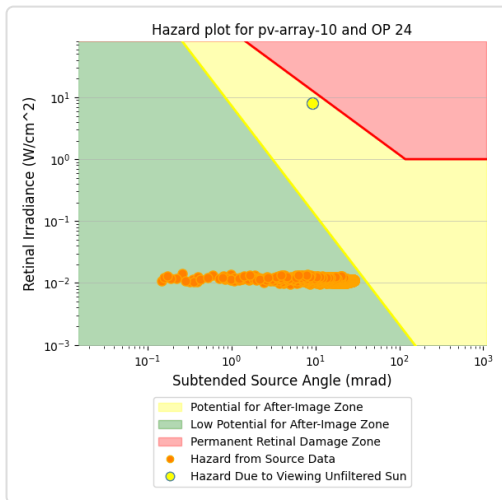
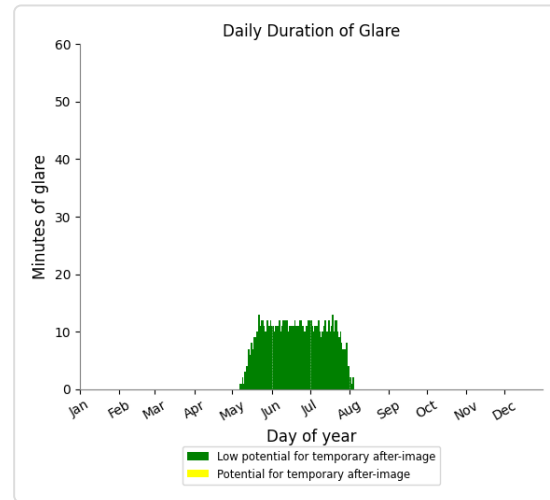
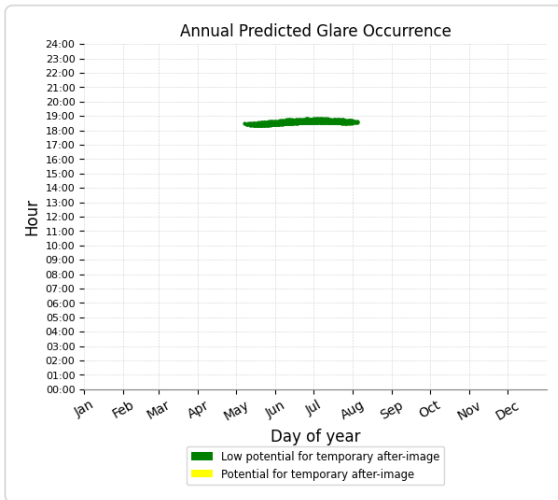
Green glare: 586 min.



PV array 10 and OP 24

Yellow glare: none

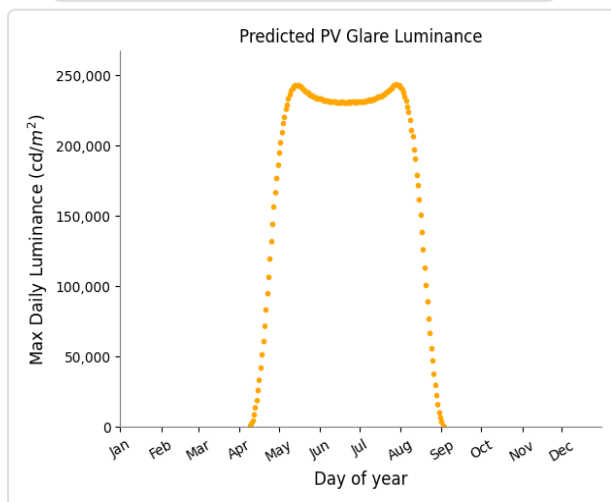
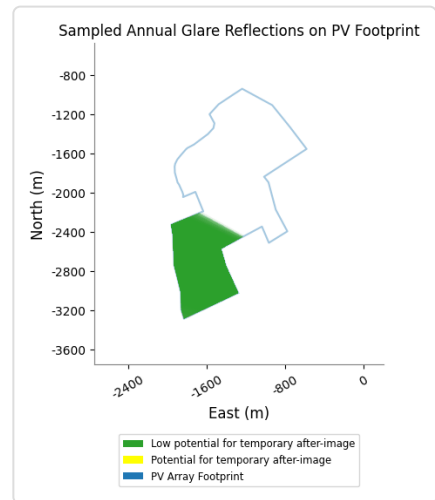
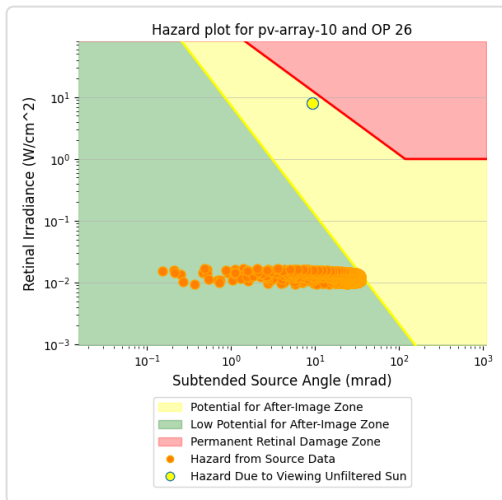
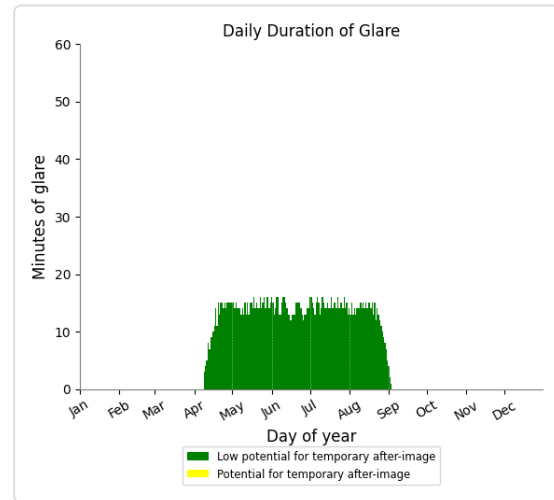
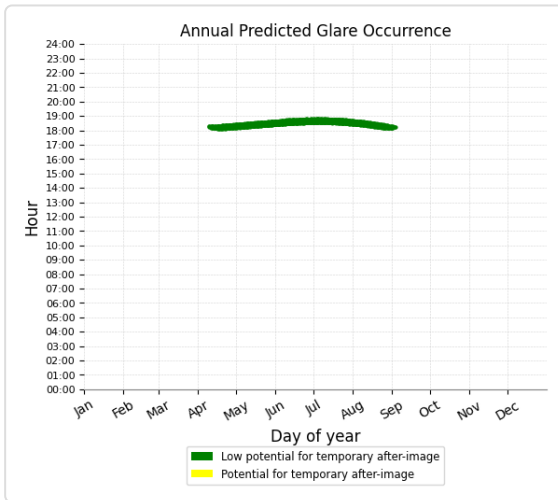
Green glare: 854 min.



PV array 10 and OP 26

Yellow glare: none

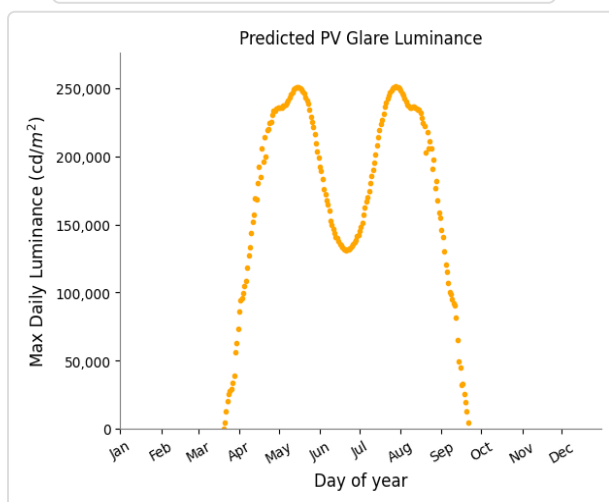
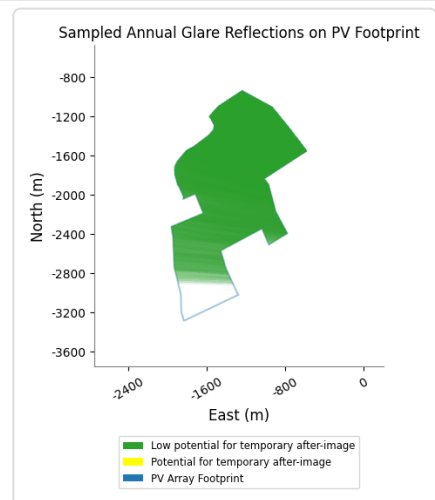
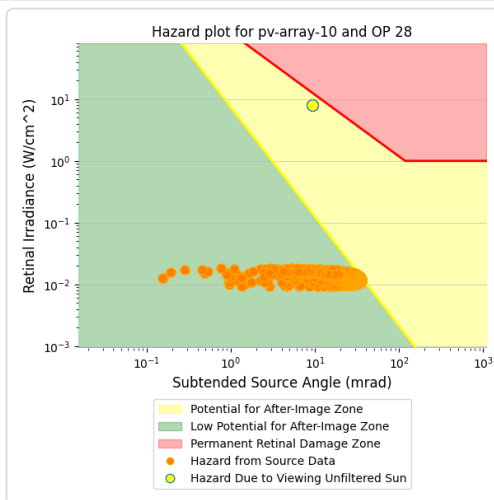
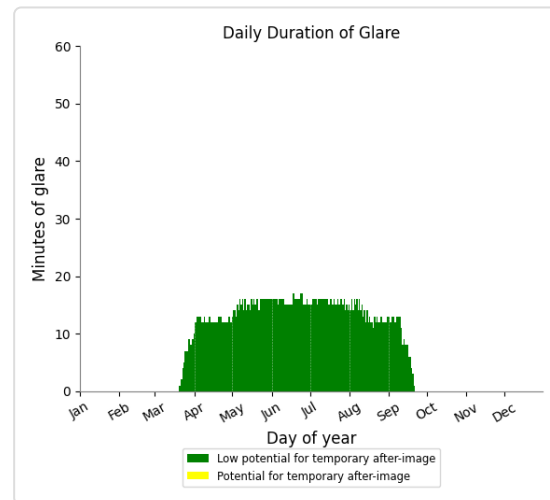
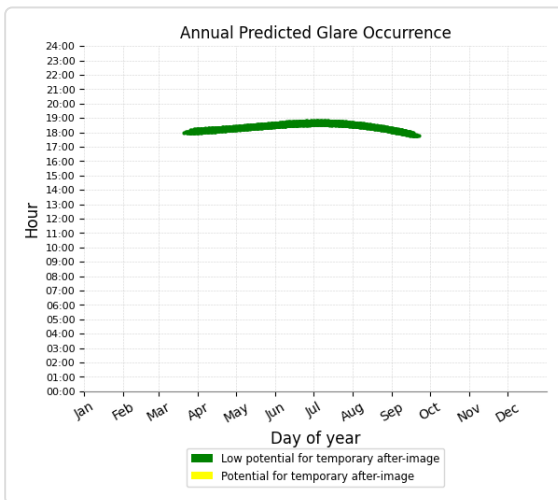
Green glare: 1,985 min.



PV array 10 and OP 28

Yellow glare: none

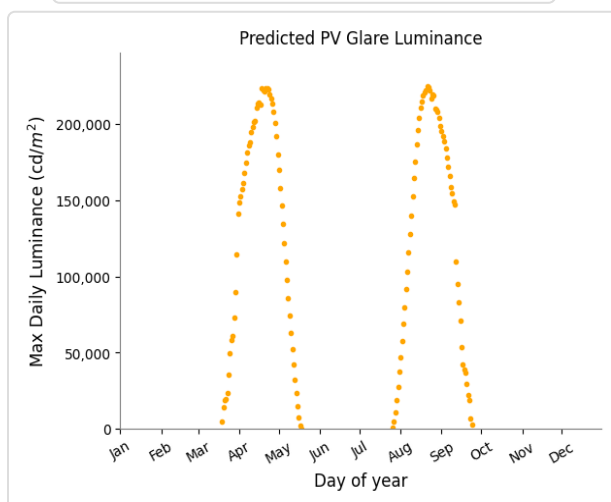
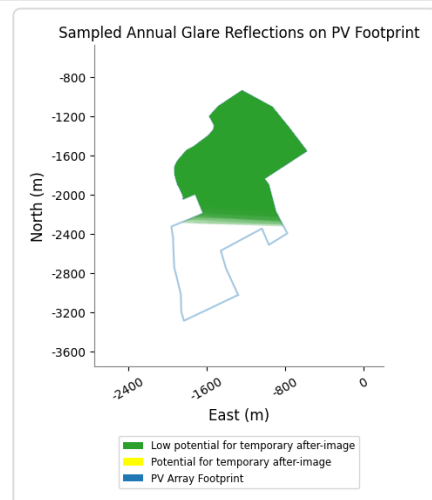
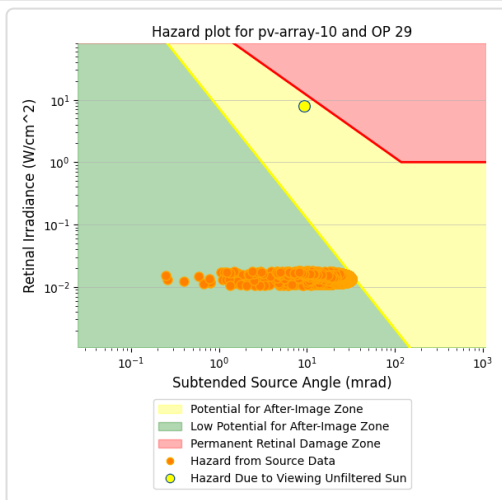
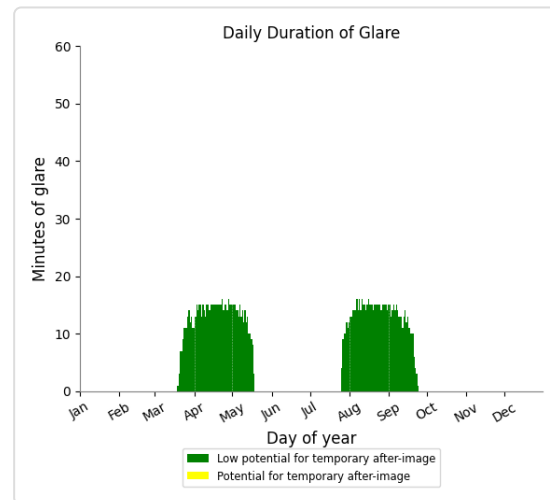
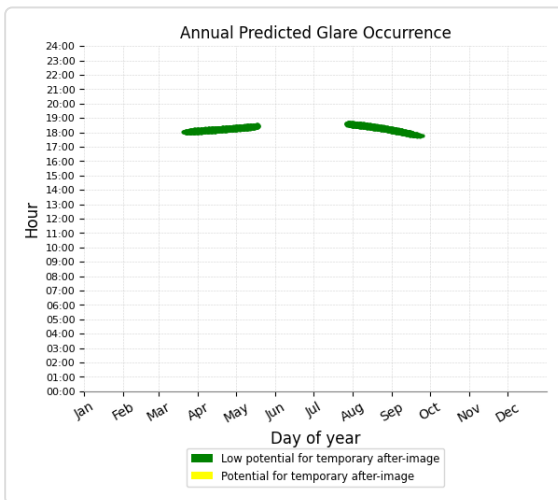
Green glare: 2,473 min.



PV array 10 and OP 29

Yellow glare: none

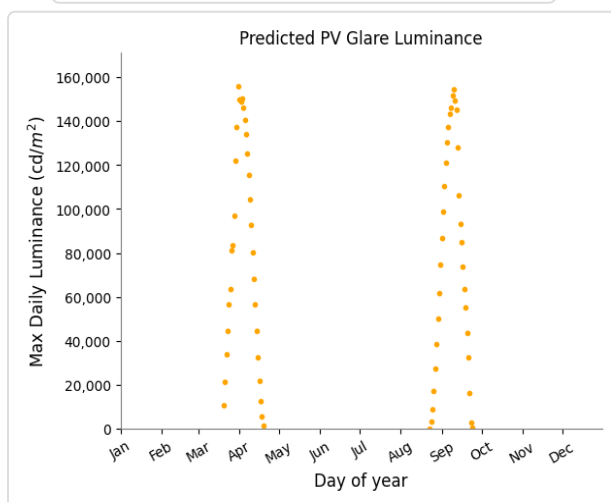
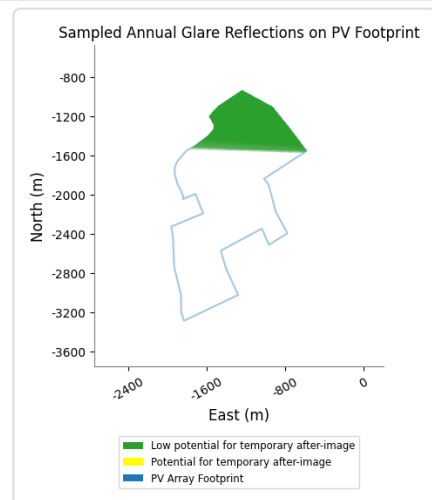
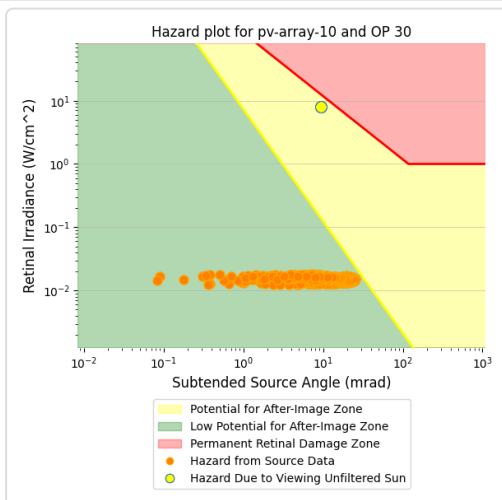
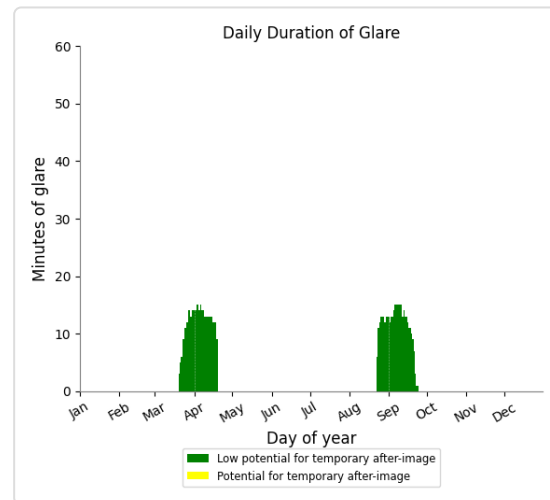
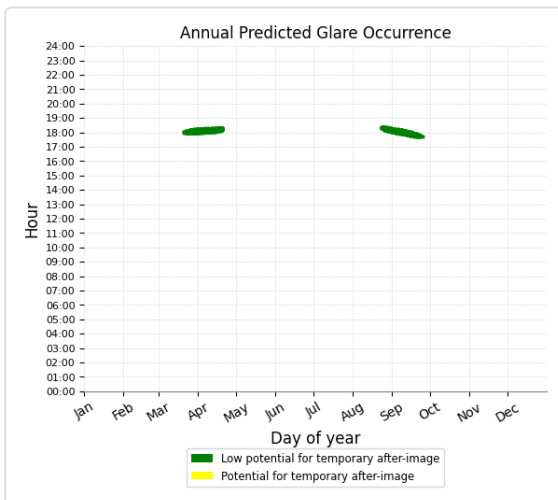
Green glare: 1,560 min.



PV array 10 and OP 30

Yellow glare: none

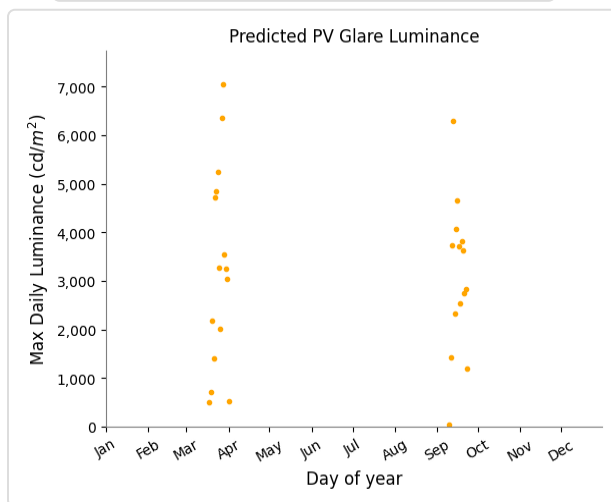
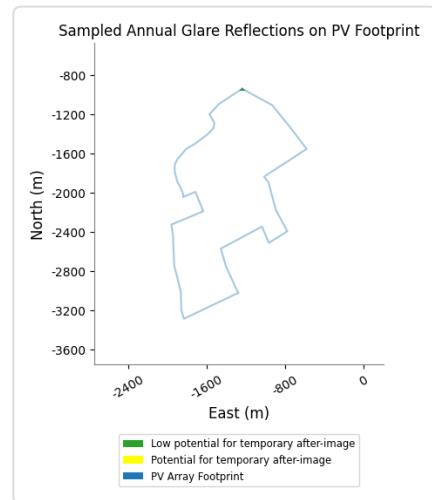
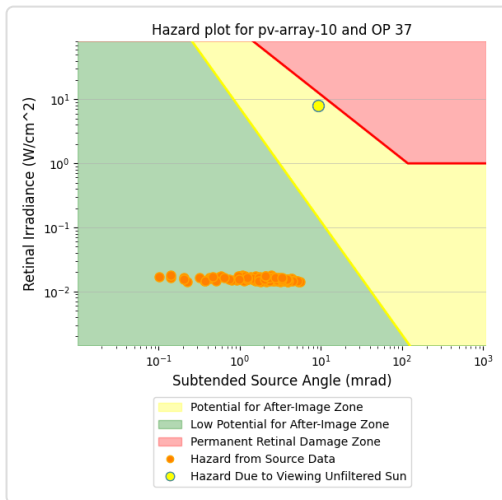
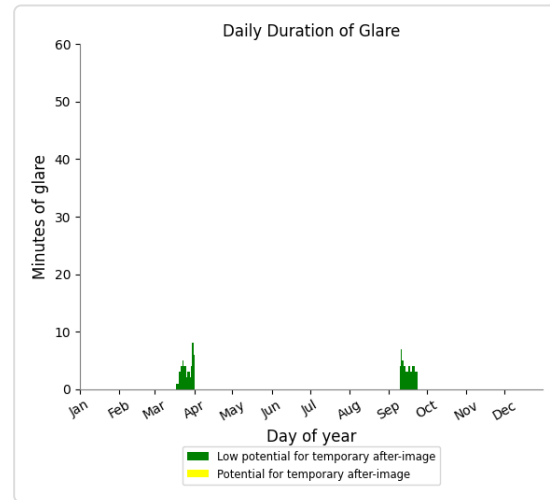
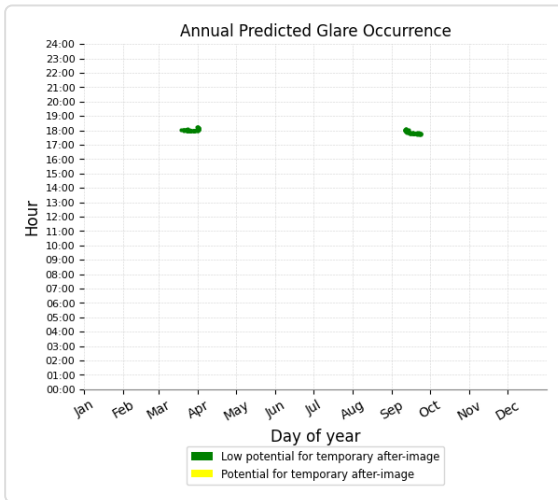
Green glare: 751 min.



PV array 10 and OP 37

Yellow glare: none

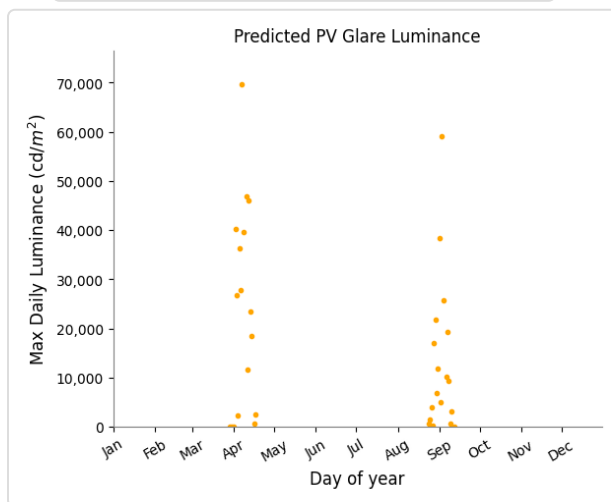
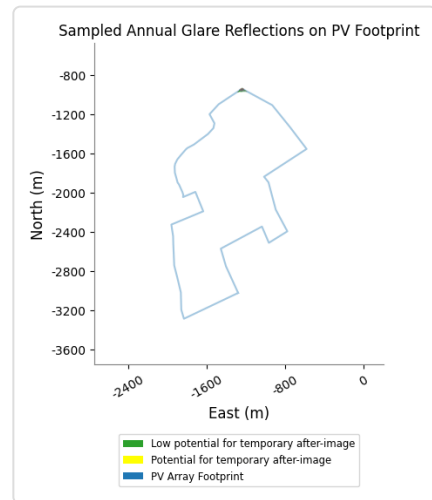
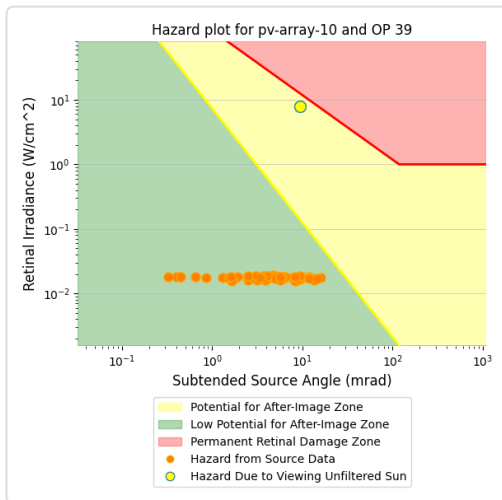
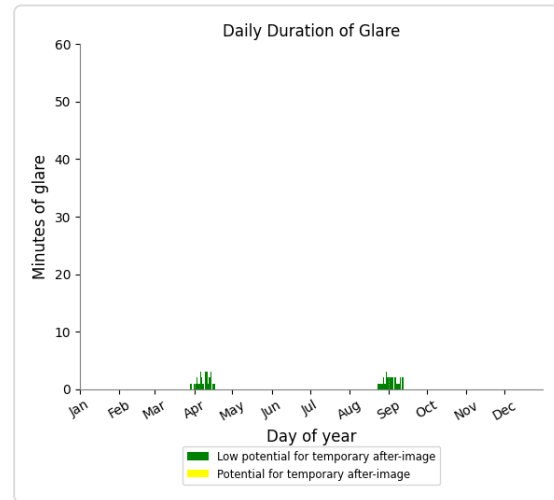
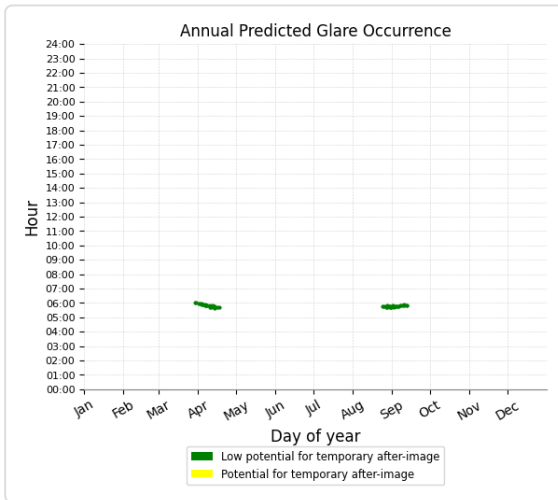
Green glare: 107 min.



PV array 10 and OP 39

Yellow glare: none

Green glare: 57 min.



PV array 10 and OP 2

No glare found

PV array 10 and OP 6

No glare found

PV array 10 and OP 9

No glare found

PV array 10 and OP 10

No glare found

PV array 10 and OP 11

No glare found

PV array 10 and OP 22

No glare found

PV array 10 and OP 23

No glare found

PV array 10 and OP 31

No glare found

PV array 10 and OP 32

No glare found

PV array 10 and OP 33

No glare found

PV array 10 and OP 34

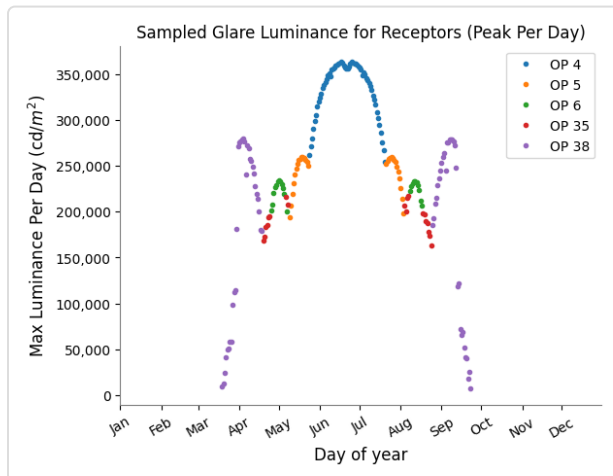
No glare found

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
OP 3	960	16.0	192	3.2	337,892
OP 4	914	15.2	468	7.8	362,906
OP 38	816	13.6	33	0.6	279,121
OP 5	1,545	25.8	0	0.0	259,497
OP 6	1,291	21.5	0	0.0	233,821
OP 7	872	14.5	0	0.0	194,118
OP 28	1,099	18.3	0	0.0	137,432
OP 29	1,266	21.1	0	0.0	138,980
OP 30	232	3.9	0	0.0	68,559
OP 35	1,799	30.0	0	0.0	222,225
OP 36	1,341	22.4	0	0.0	172,109
OP 1	0	0.0	0	0.0	0
OP 2	0	0.0	0	0.0	0
OP 8	0	0.0	0	0.0	0
OP 9	0	0.0	0	0.0	0
OP 10	0	0.0	0	0.0	0
OP 11	0	0.0	0	0.0	0
OP 12	0	0.0	0	0.0	0
OP 13	0	0.0	0	0.0	0
OP 14	0	0.0	0	0.0	0
OP 15	0	0.0	0	0.0	0
OP 16	0	0.0	0	0.0	0
OP 17	0	0.0	0	0.0	0
OP 18	0	0.0	0	0.0	0
OP 19	0	0.0	0	0.0	0
OP 20	0	0.0	0	0.0	0
OP 21	0	0.0	0	0.0	0
OP 22	0	0.0	0	0.0	0
OP 23	0	0.0	0	0.0	0
OP 24	0	0.0	0	0.0	0
OP 25	0	0.0	0	0.0	0
OP 26	0	0.0	0	0.0	0
OP 27	0	0.0	0	0.0	0
OP 31	0	0.0	0	0.0	0
OP 32	0	0.0	0	0.0	0
OP 33	0	0.0	0	0.0	0
OP 34	0	0.0	0	0.0	0
OP 37	0	0.0	0	0.0	0

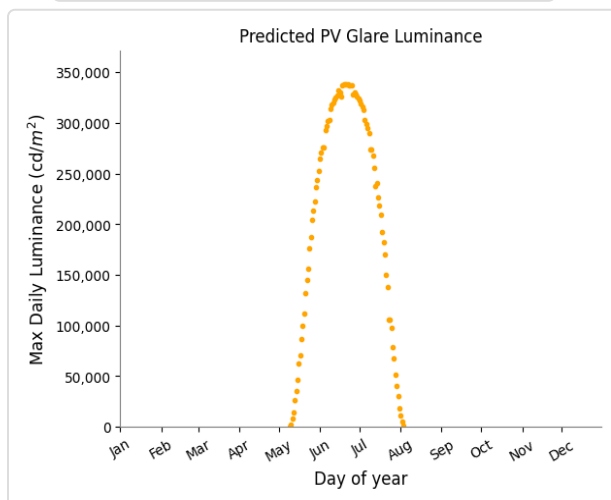
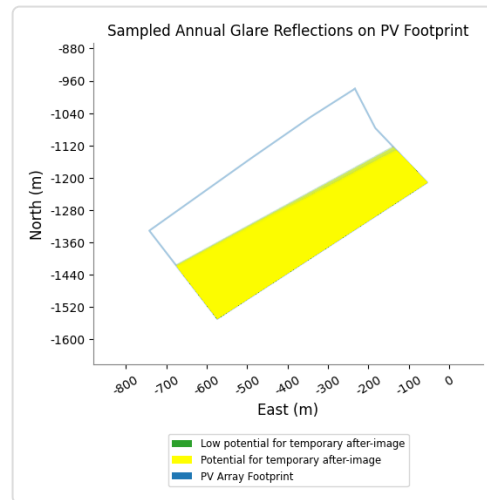
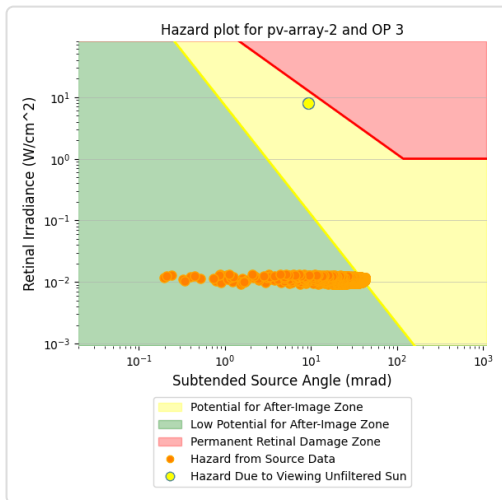
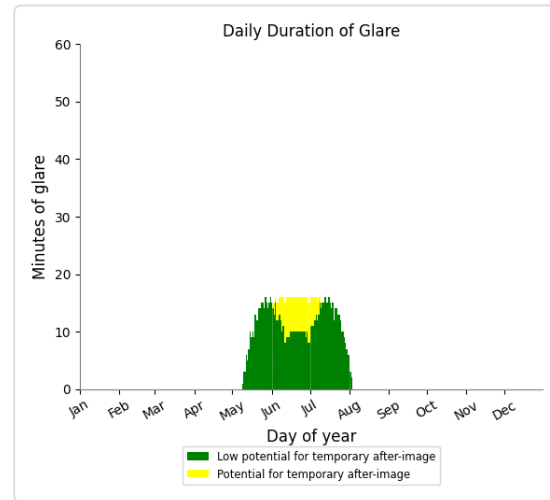
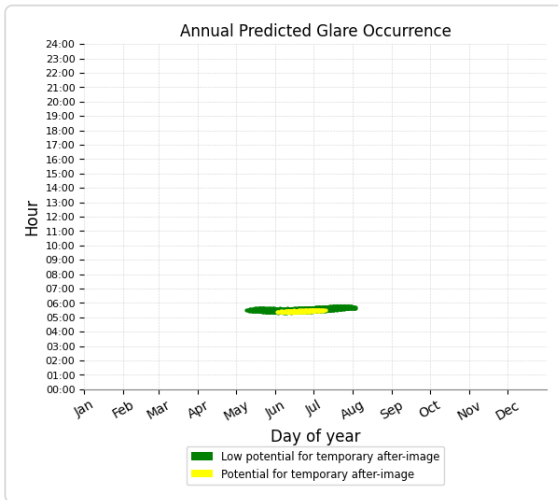
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
OP 39	0	0.0	0	0.0	0



PV array 2 and OP 3

Yellow glare: 192 min.

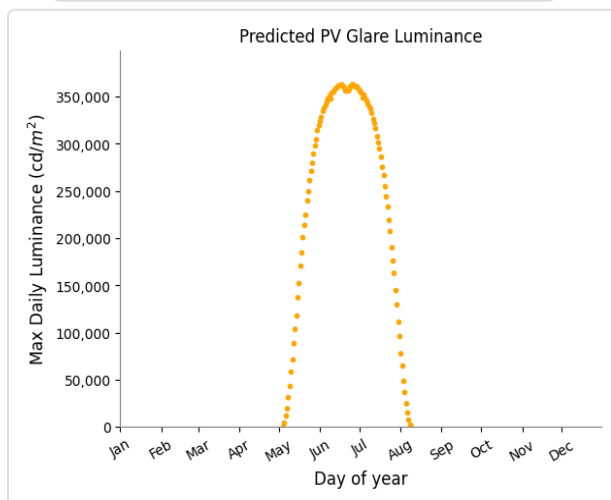
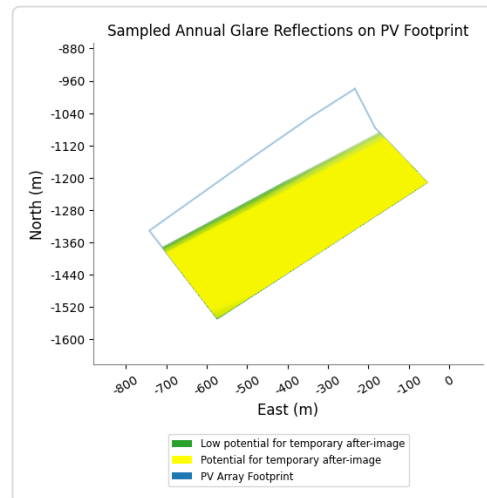
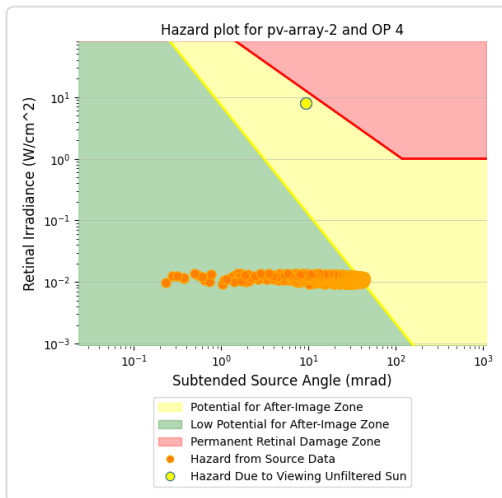
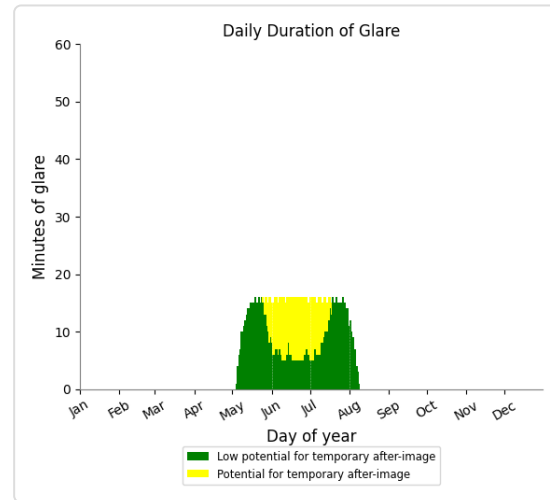
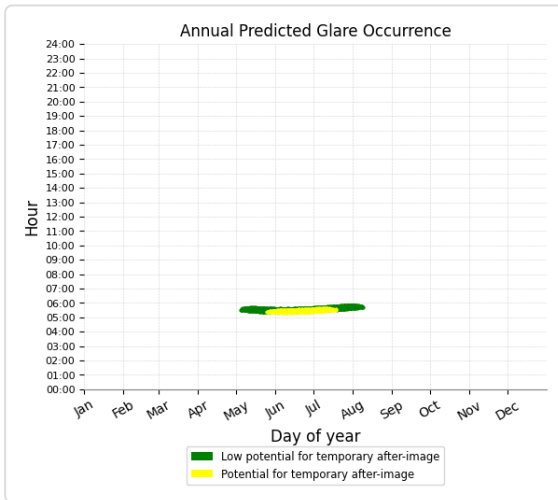
Green glare: 960 min.



PV array 2 and OP 4

Yellow glare: 468 min.

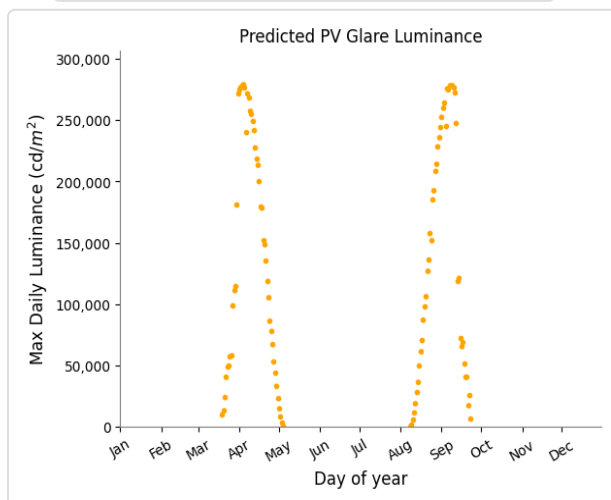
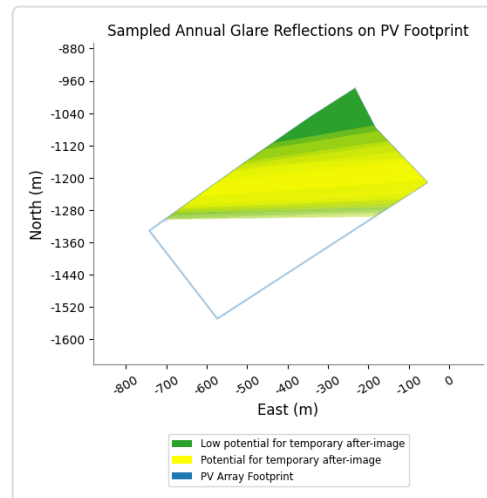
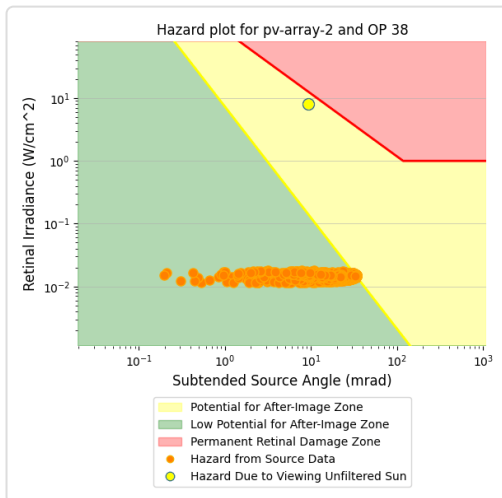
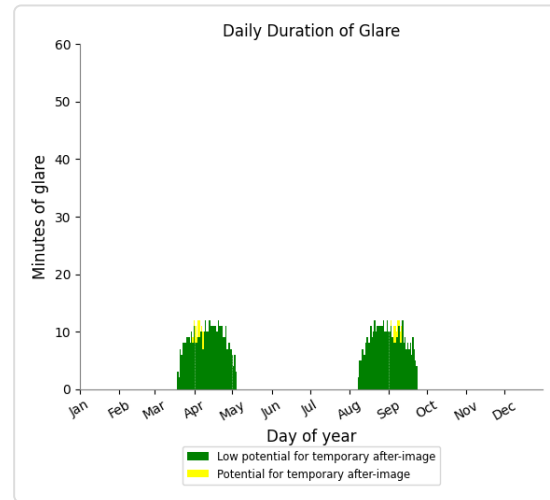
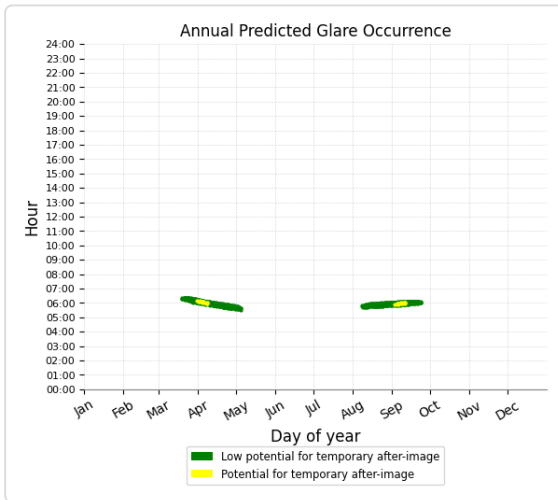
Green glare: 914 min.



PV array 2 and OP 38

Yellow glare: 33 min.

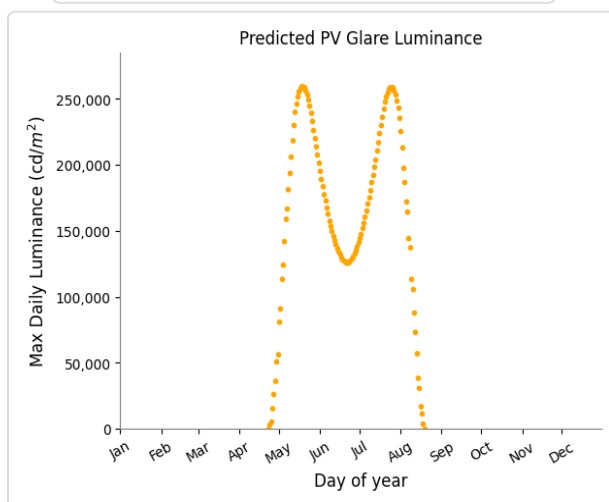
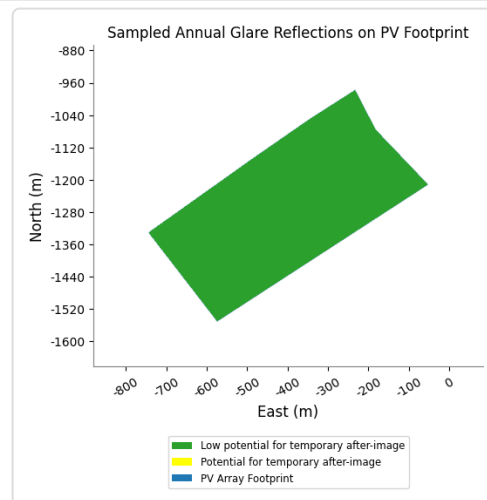
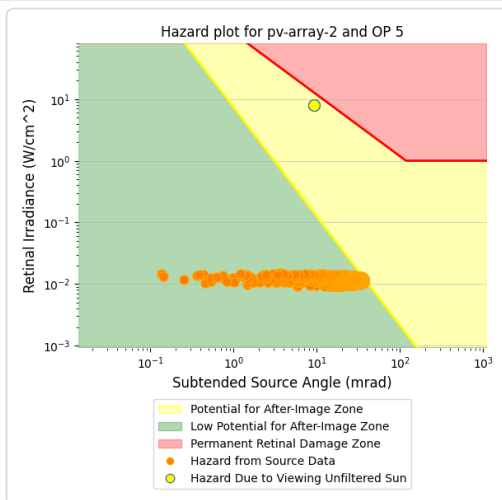
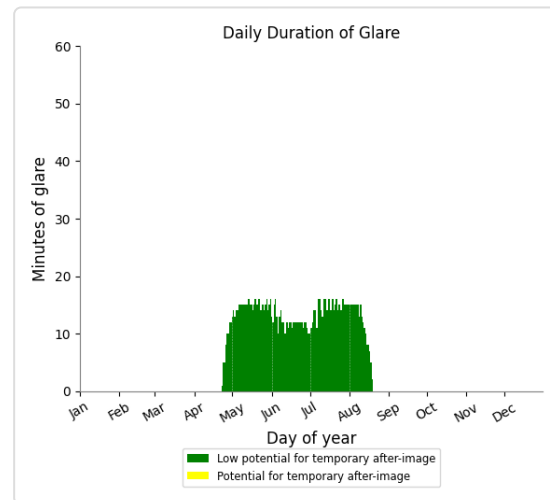
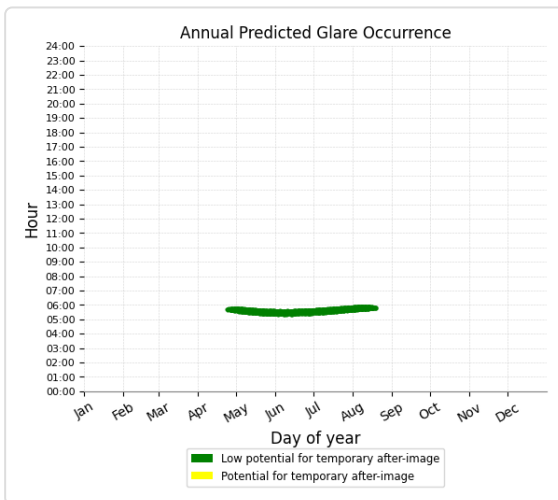
Green glare: 816 min.



PV array 2 and OP 5

Yellow glare: none

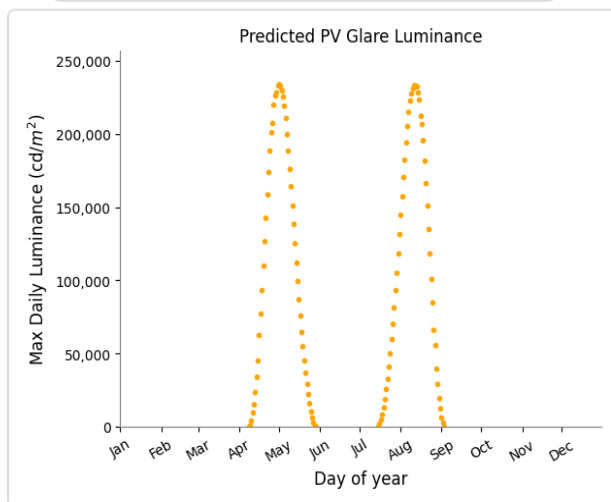
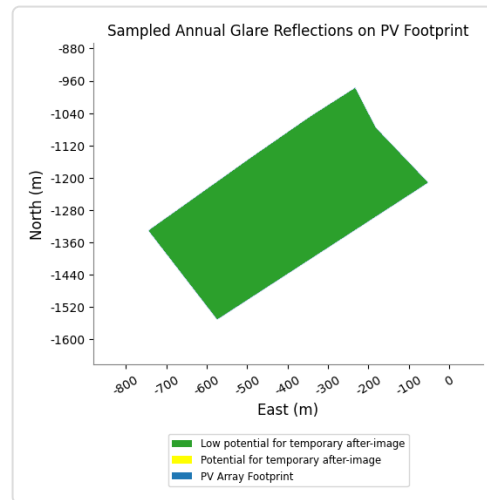
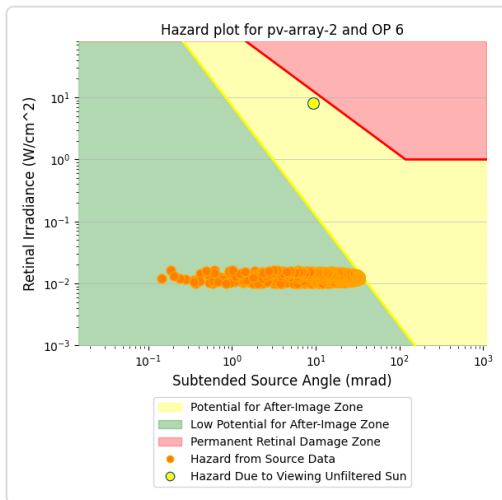
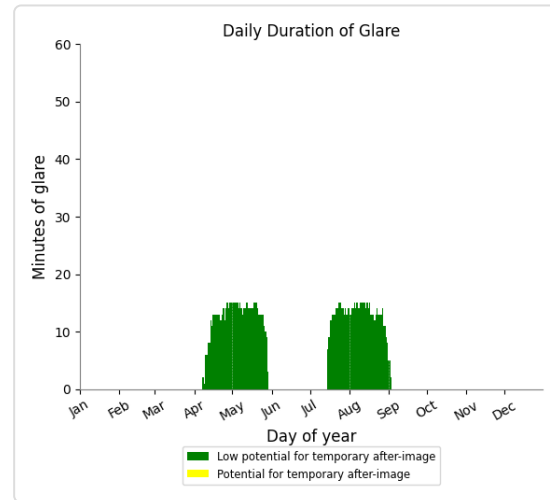
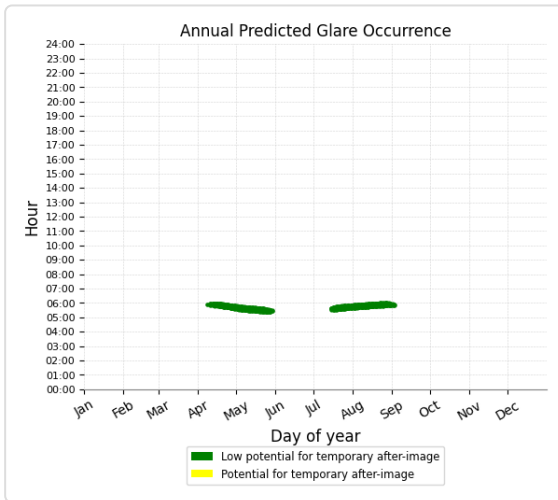
Green glare: 1,545 min.



PV array 2 and OP 6

Yellow glare: none

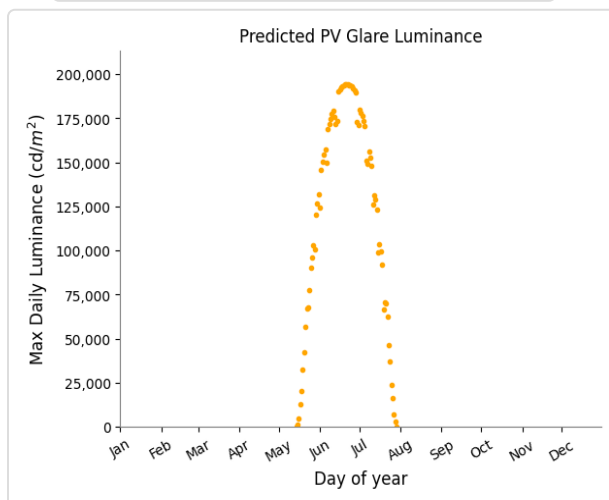
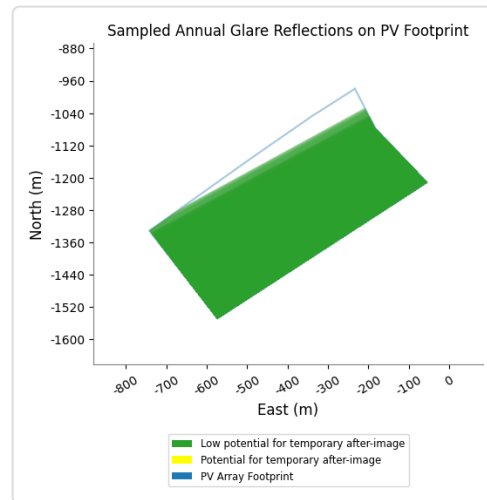
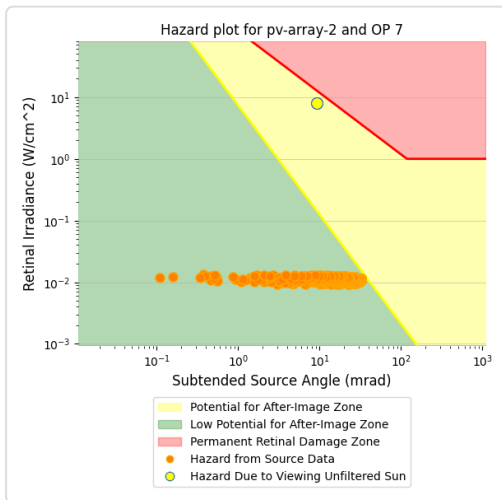
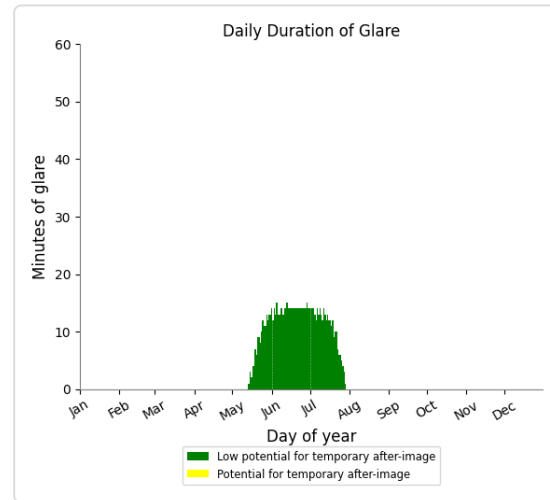
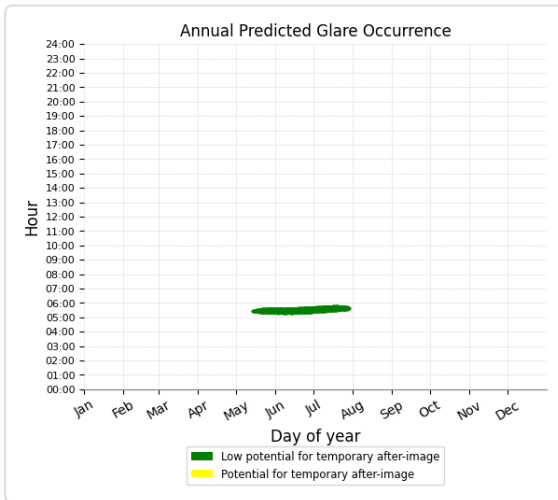
Green glare: 1,291 min.



PV array 2 and OP 7

Yellow glare: none

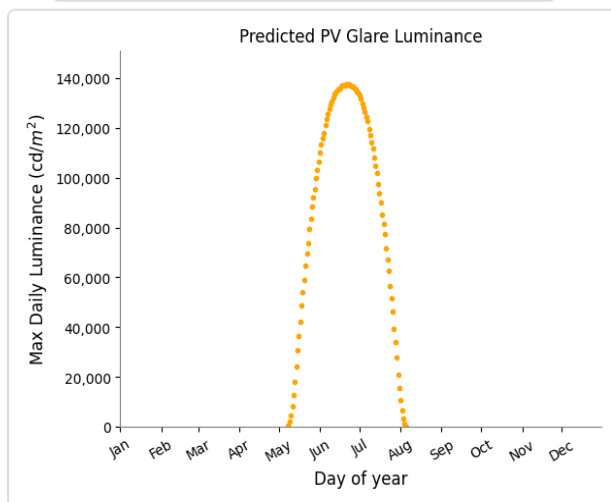
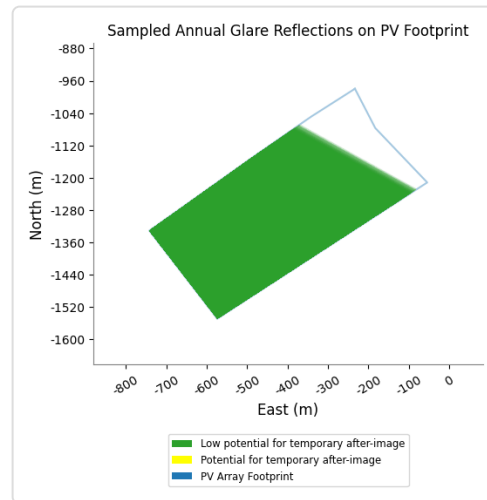
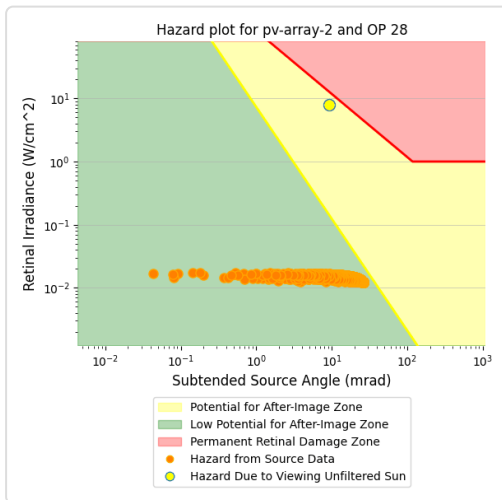
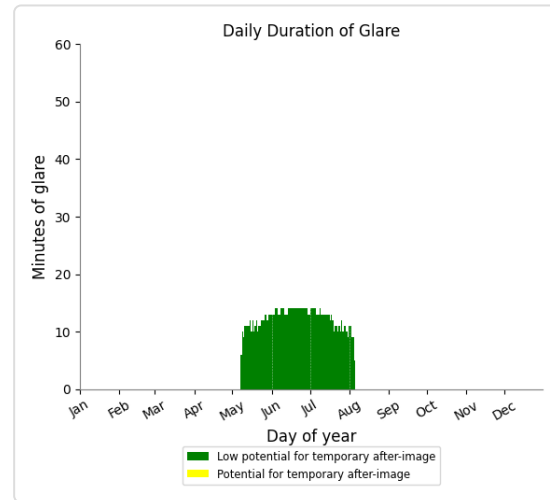
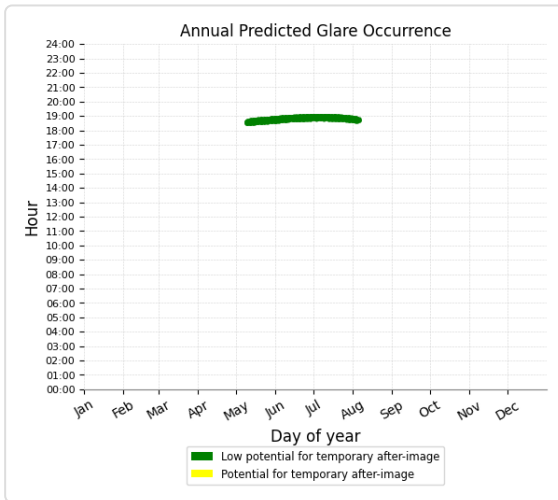
Green glare: 872 min.



PV array 2 and OP 28

Yellow glare: none

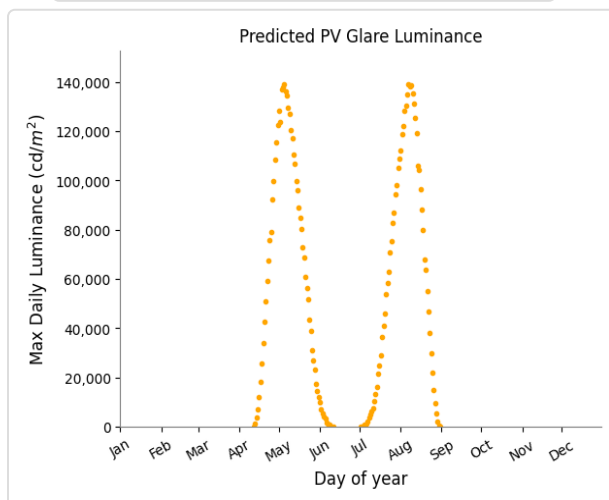
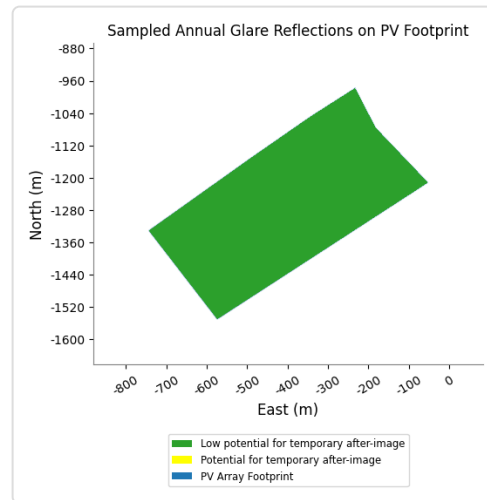
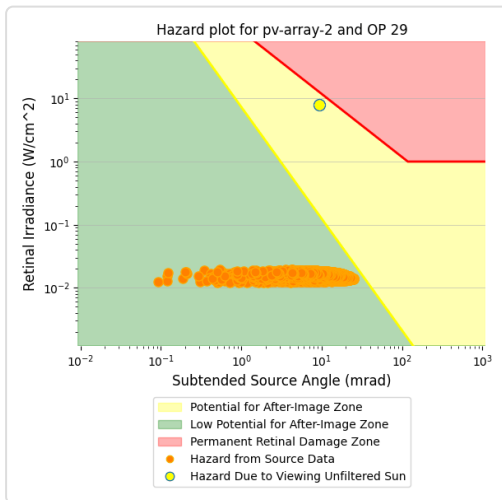
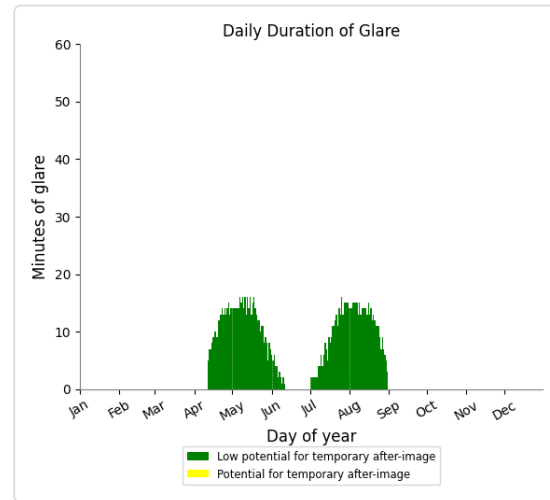
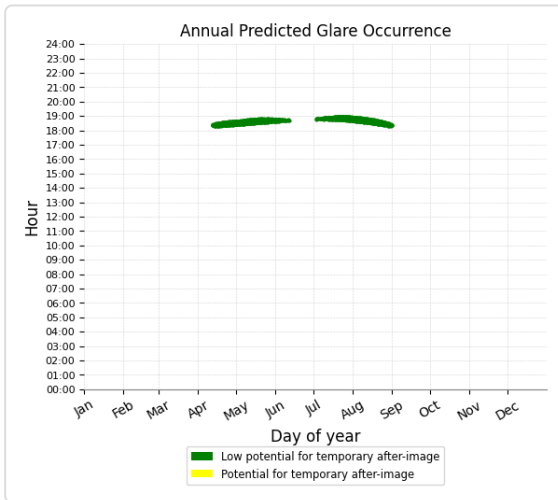
Green glare: 1,099 min.



PV array 2 and OP 29

Yellow glare: none

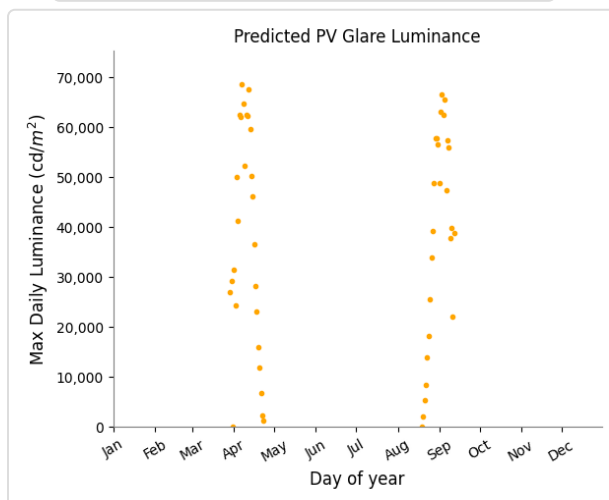
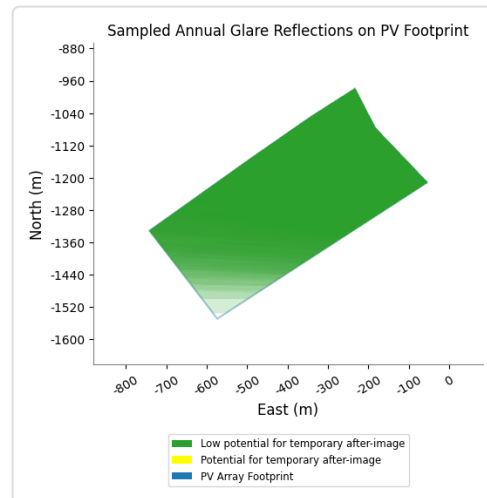
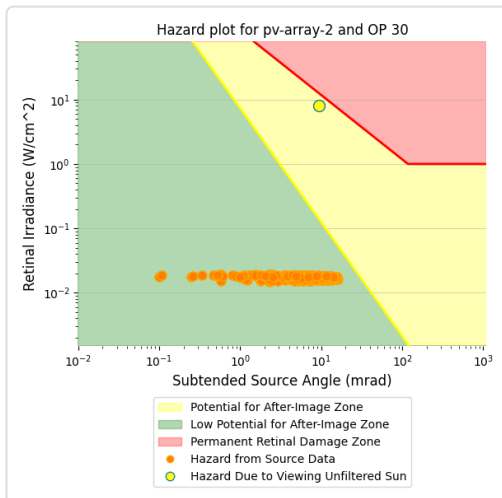
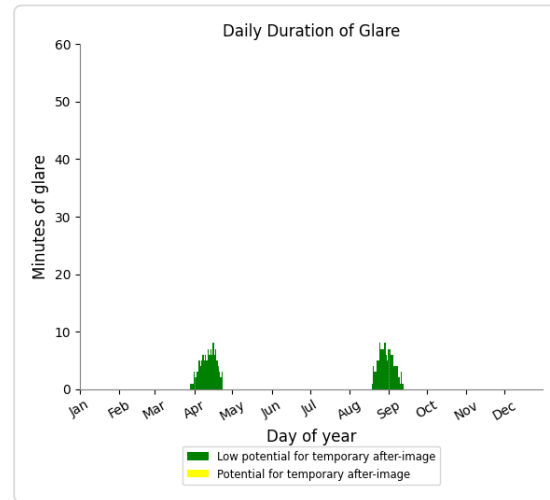
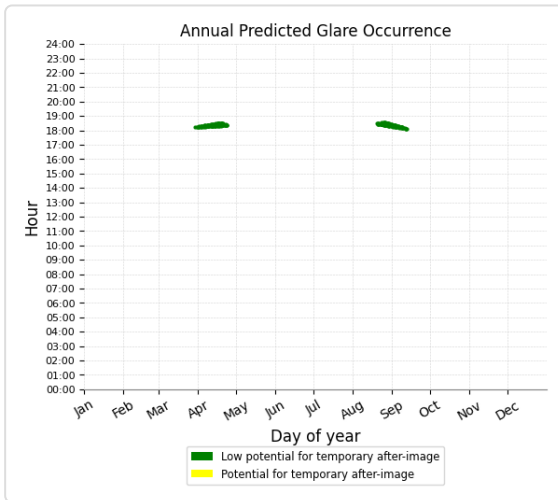
Green glare: 1,266 min.



PV array 2 and OP 30

Yellow glare: none

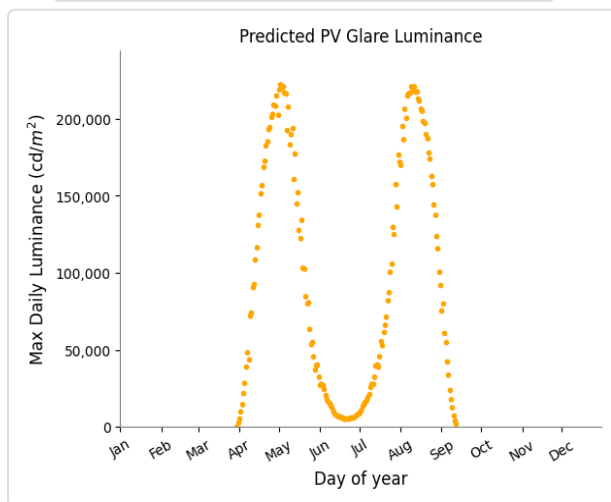
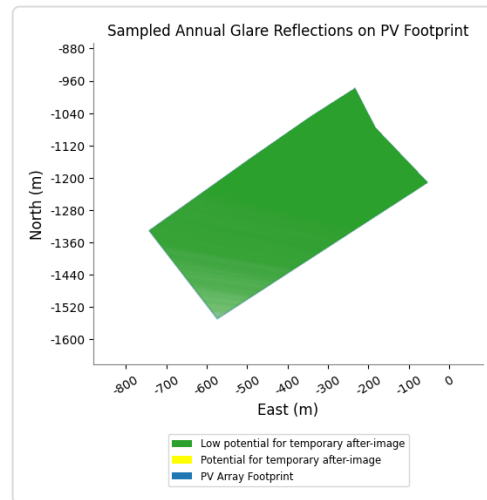
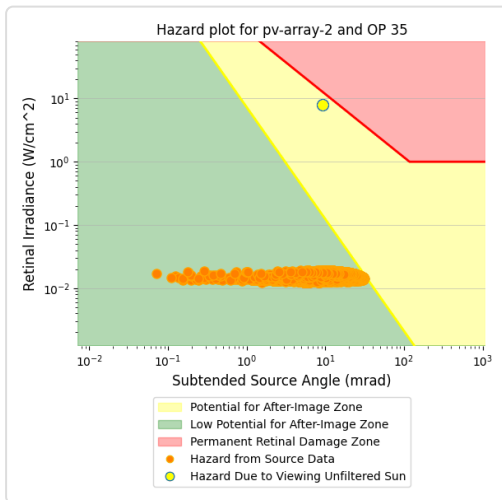
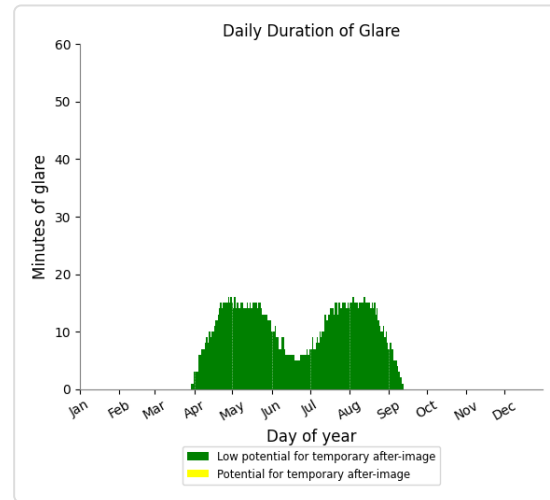
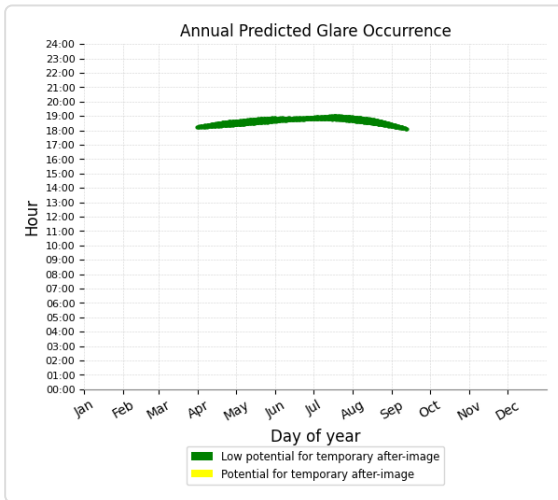
Green glare: 232 min.



PV array 2 and OP 35

Yellow glare: none

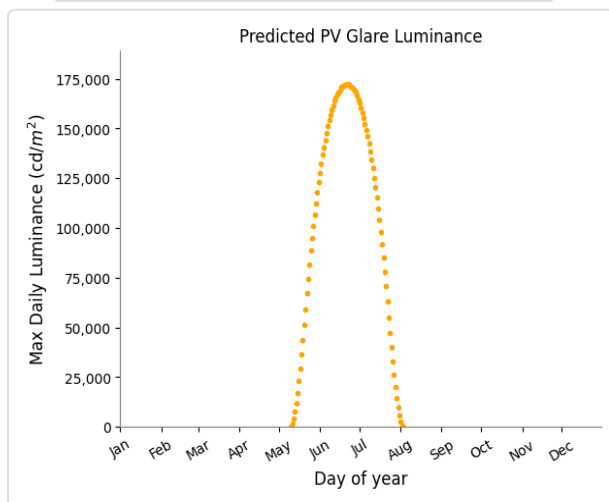
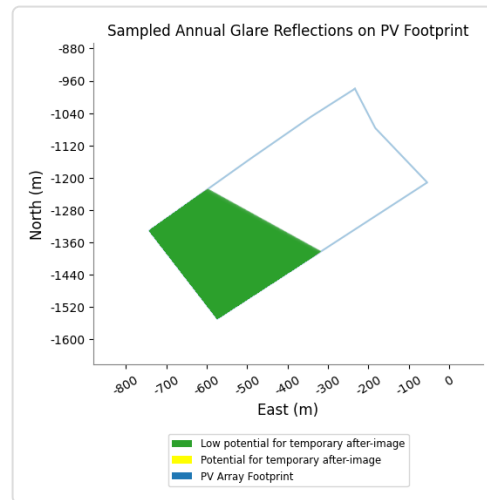
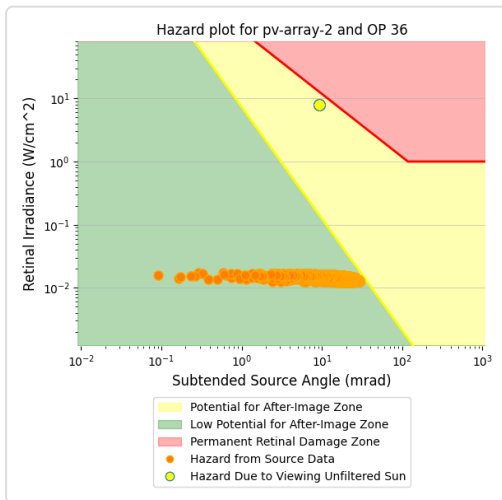
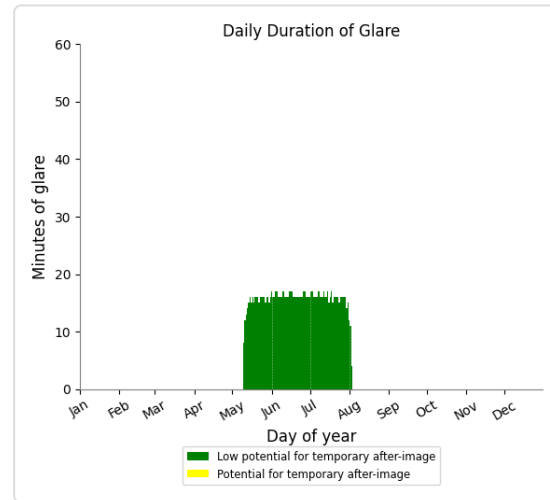
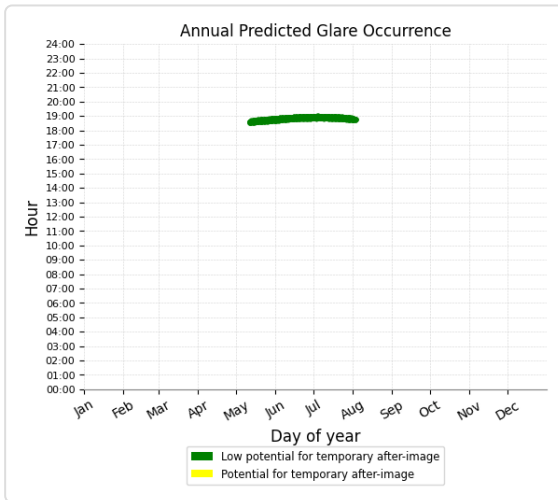
Green glare: 1,799 min.



PV array 2 and OP 36

Yellow glare: none

Green glare: 1,341 min.



PV array 2 and OP 1

No glare found

PV array 2 and OP 2

No glare found

PV array 2 and OP 8

No glare found

PV array 2 and OP 9

No glare found

PV array 2 and OP 10

No glare found

PV array 2 and OP 11

No glare found

PV array 2 and OP 12

No glare found

PV array 2 and OP 13

No glare found

PV array 2 and OP 14

No glare found

PV array 2 and OP 15

No glare found

PV array 2 and OP 16

No glare found

PV array 2 and OP 17

No glare found

PV array 2 and OP 18

No glare found

PV array 2 and OP 19

No glare found

PV array 2 and OP 20

No glare found

PV array 2 and OP 21

No glare found

PV array 2 and OP 22

No glare found

PV array 2 and OP 23

No glare found

PV array 2 and OP 24

No glare found

PV array 2 and OP 25

No glare found

PV array 2 and OP 26

No glare found

PV array 2 and OP 27

No glare found

PV array 2 and OP 31

No glare found

PV array 2 and OP 32

No glare found

PV array 2 and OP 33

No glare found

PV array 2 and OP 34

No glare found

PV array 2 and OP 37

No glare found

PV array 2 and OP 39

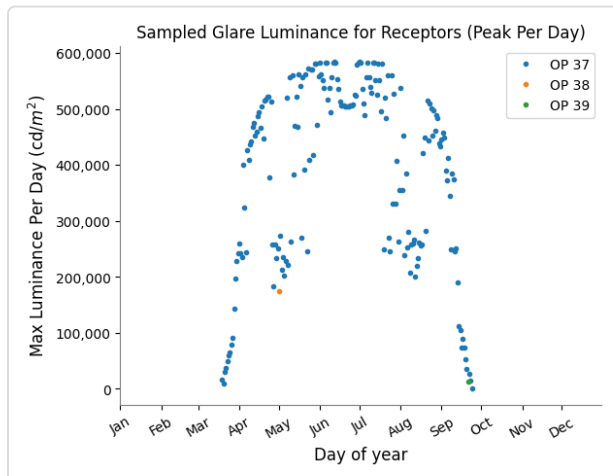
No glare found

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
OP 37	1,129	18.8	1,105	18.4	583,585
OP 3	572	9.5	0	0.0	77,696
OP 4	856	14.3	0	0.0	106,149
OP 5	1,408	23.5	0	0.0	112,696
OP 6	1,608	26.8	0	0.0	107,809
OP 7	694	11.6	0	0.0	57,198
OP 29	761	12.7	0	0.0	102,690
OP 30	629	10.5	0	0.0	108,861
OP 35	426	7.1	0	0.0	26,624
OP 38	1,398	23.3	0	0.0	180,523
OP 39	775	12.9	0	0.0	138,913
OP 1	0	0.0	0	0.0	0
OP 2	0	0.0	0	0.0	0
OP 8	0	0.0	0	0.0	0
OP 9	0	0.0	0	0.0	0
OP 10	0	0.0	0	0.0	0
OP 11	0	0.0	0	0.0	0
OP 12	0	0.0	0	0.0	0
OP 13	0	0.0	0	0.0	0
OP 14	0	0.0	0	0.0	0
OP 15	0	0.0	0	0.0	0
OP 16	0	0.0	0	0.0	0
OP 17	0	0.0	0	0.0	0
OP 18	0	0.0	0	0.0	0
OP 19	0	0.0	0	0.0	0
OP 20	0	0.0	0	0.0	0
OP 21	0	0.0	0	0.0	0
OP 22	0	0.0	0	0.0	0
OP 23	0	0.0	0	0.0	0
OP 24	0	0.0	0	0.0	0
OP 25	0	0.0	0	0.0	0
OP 26	0	0.0	0	0.0	0
OP 27	0	0.0	0	0.0	0
OP 28	0	0.0	0	0.0	0
OP 31	0	0.0	0	0.0	0
OP 32	0	0.0	0	0.0	0
OP 33	0	0.0	0	0.0	0
OP 34	0	0.0	0	0.0	0

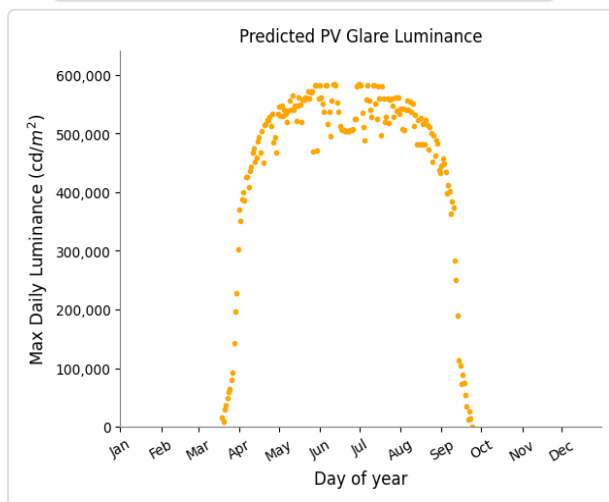
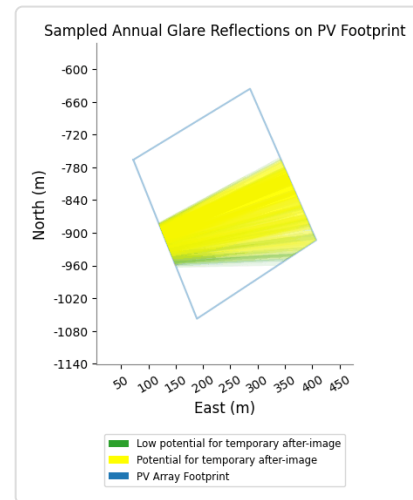
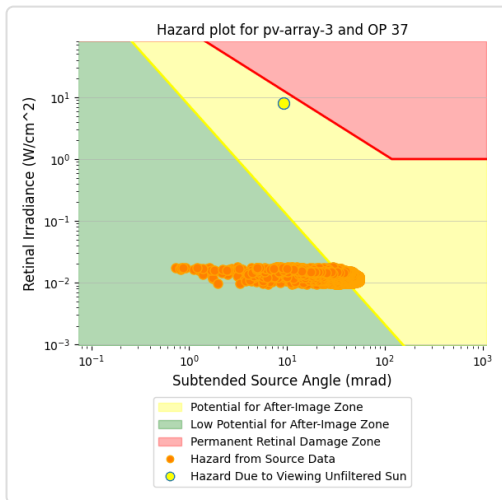
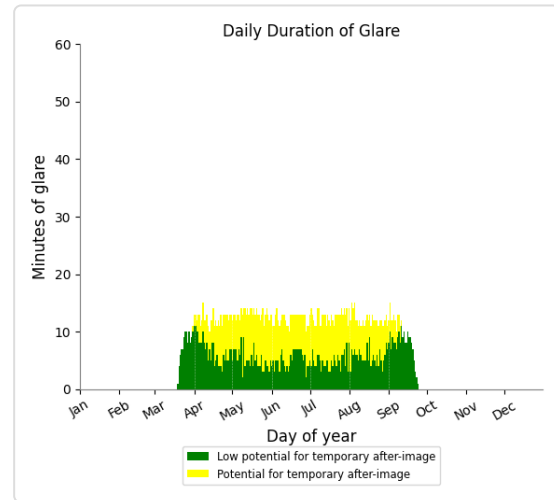
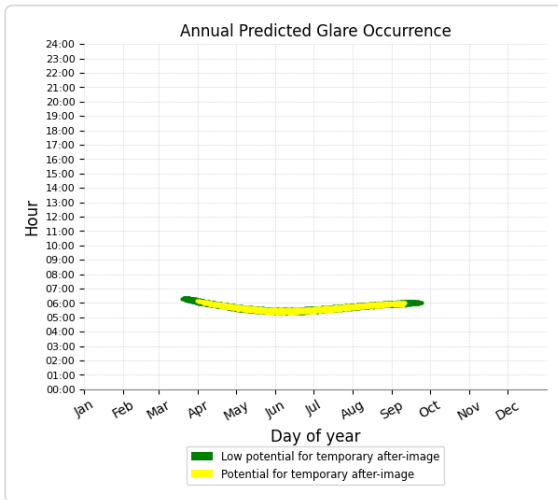
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
OP 36	0	0.0	0	0.0	0



PV array 3 and OP 37

Yellow glare: 1,105 min.

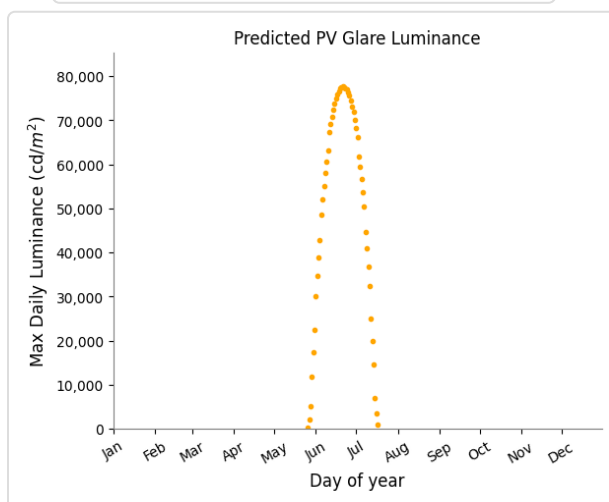
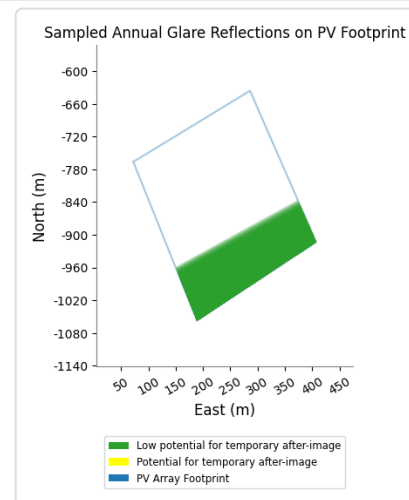
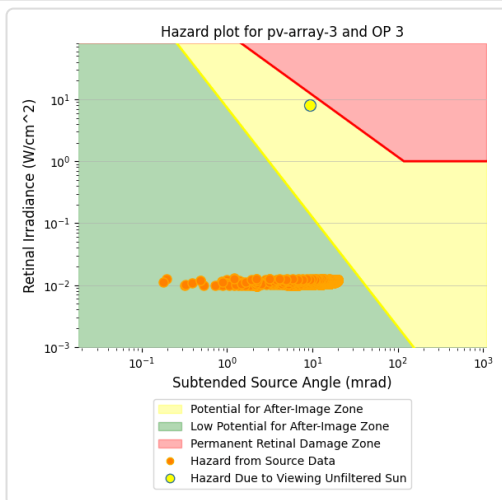
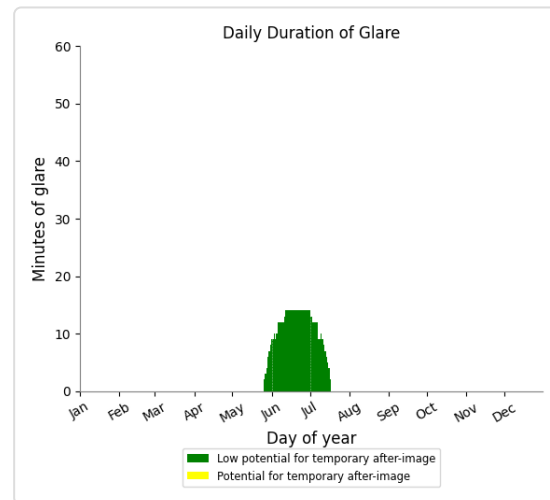
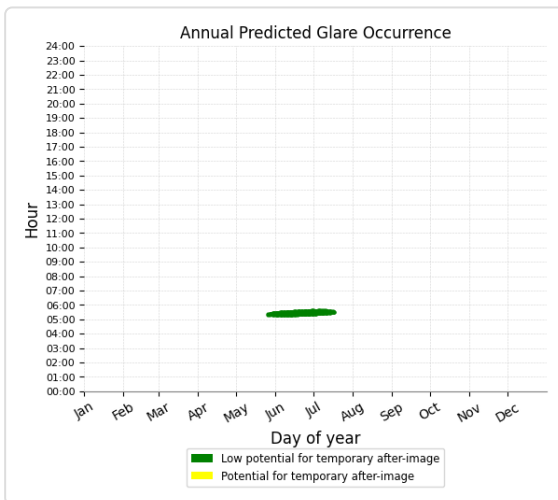
Green glare: 1,129 min.



PV array 3 and OP 3

Yellow glare: none

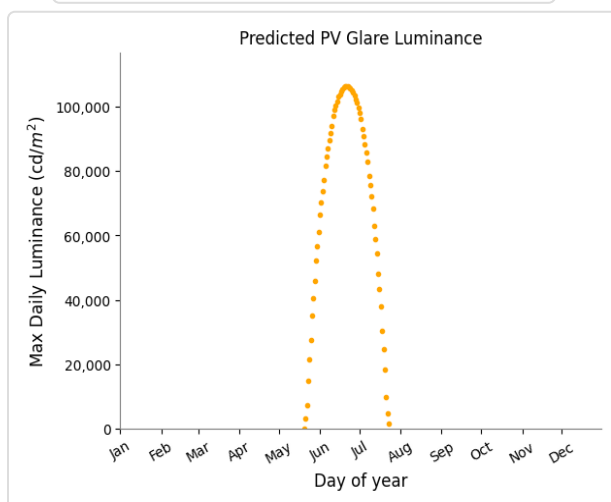
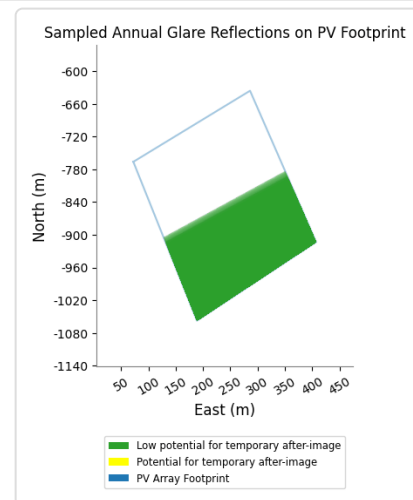
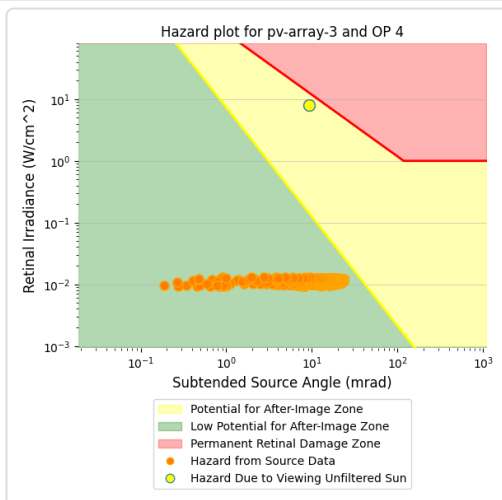
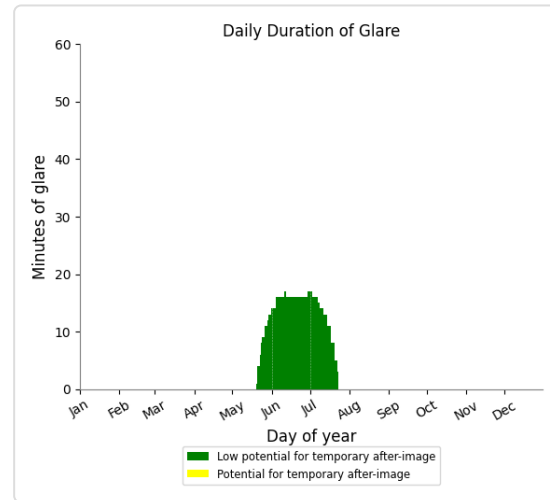
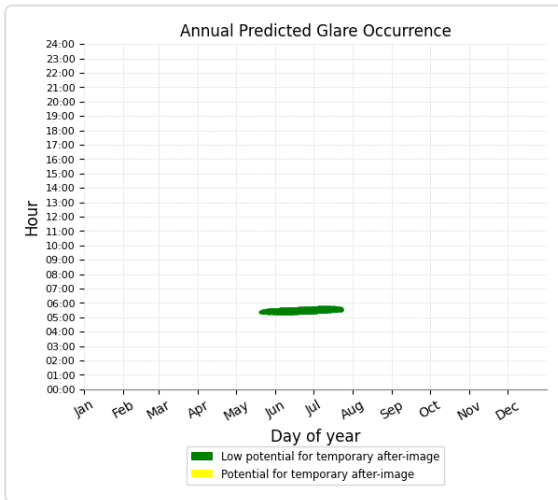
Green glare: 572 min.



PV array 3 and OP 4

Yellow glare: none

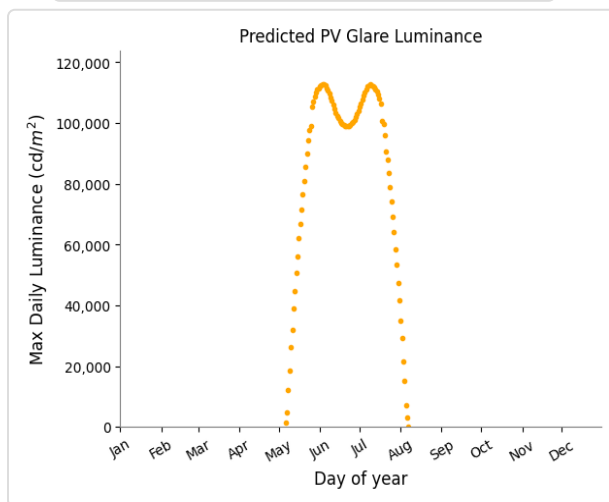
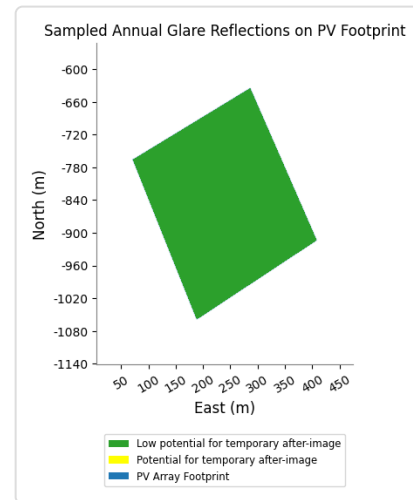
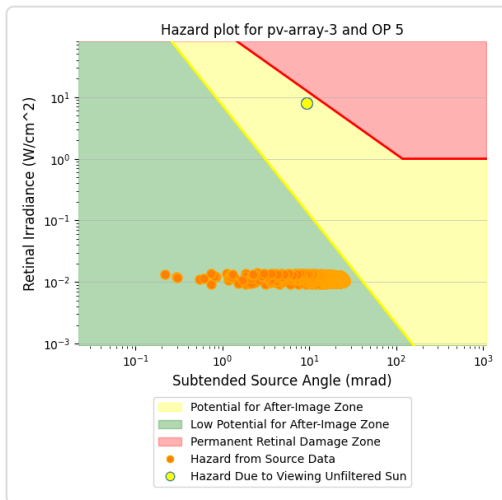
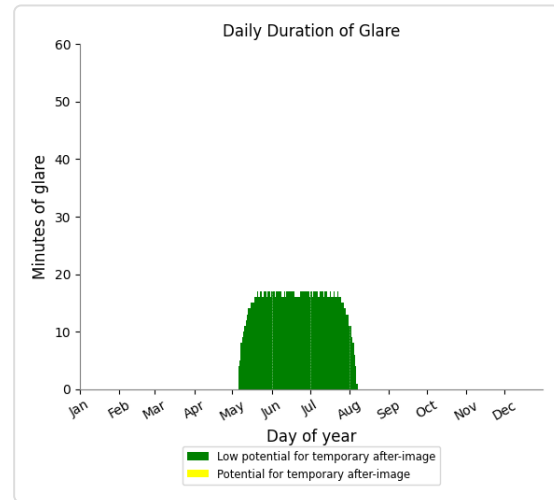
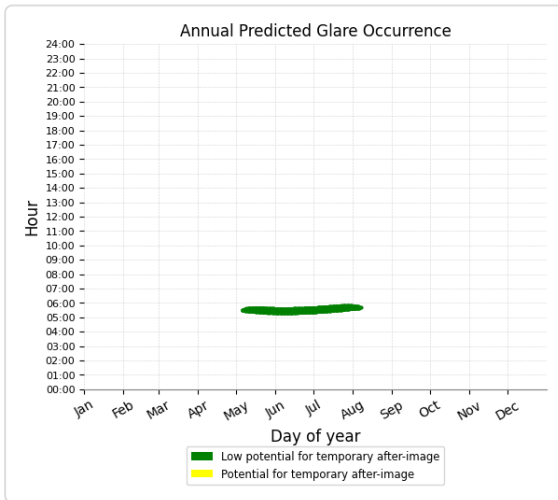
Green glare: 856 min.



PV array 3 and OP 5

Yellow glare: none

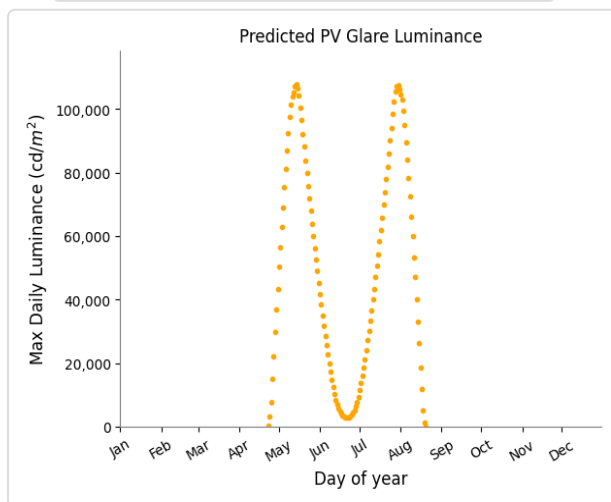
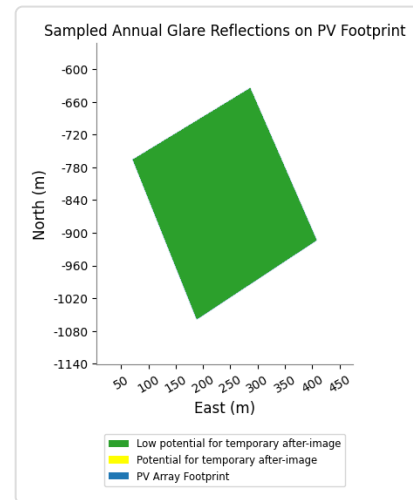
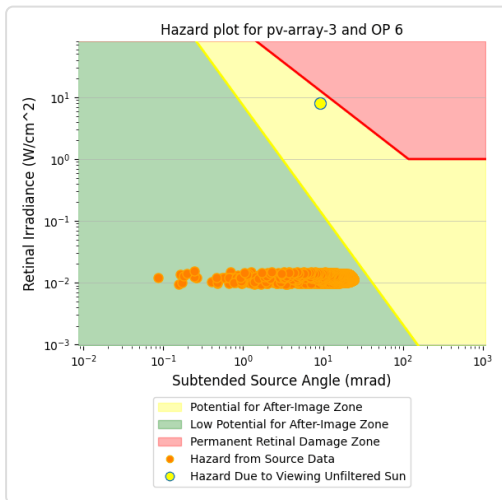
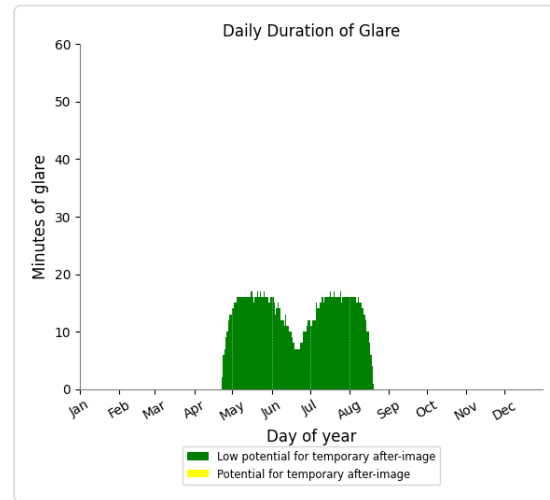
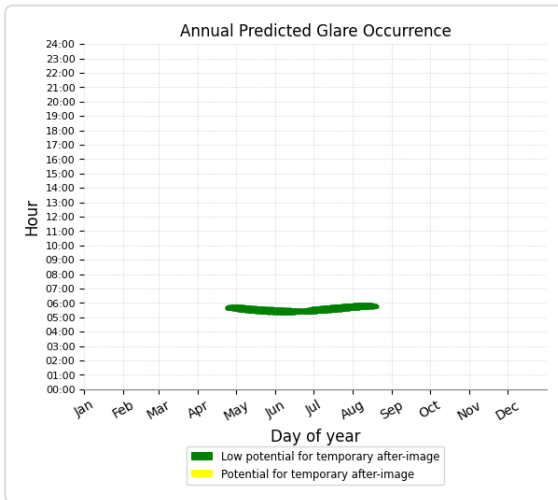
Green glare: 1,408 min.



PV array 3 and OP 6

Yellow glare: none

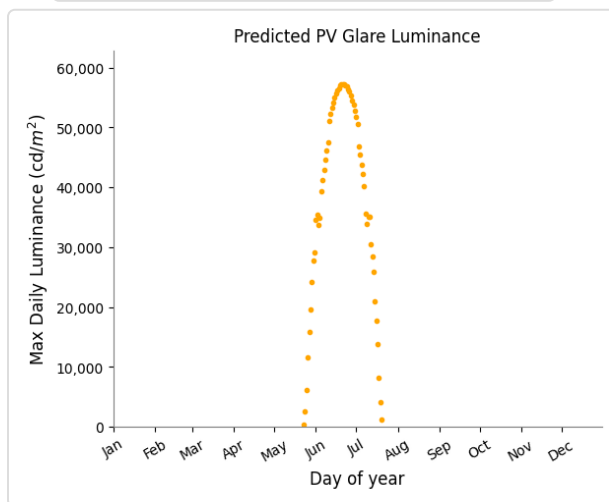
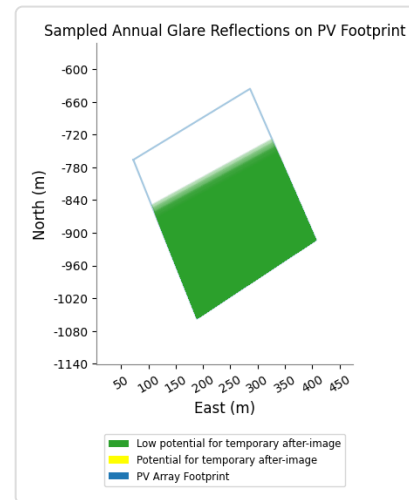
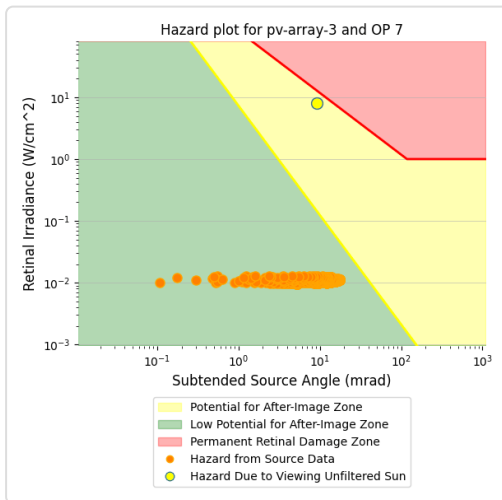
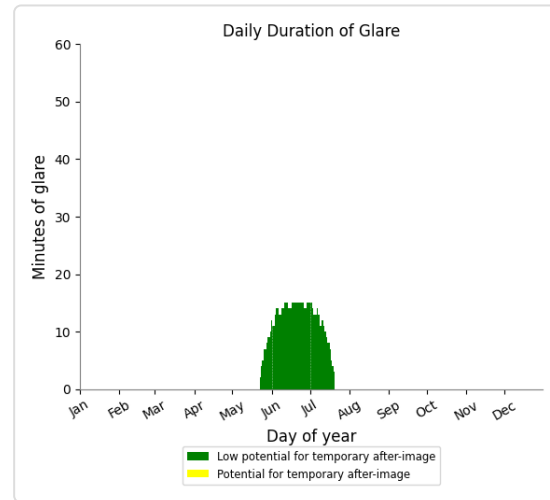
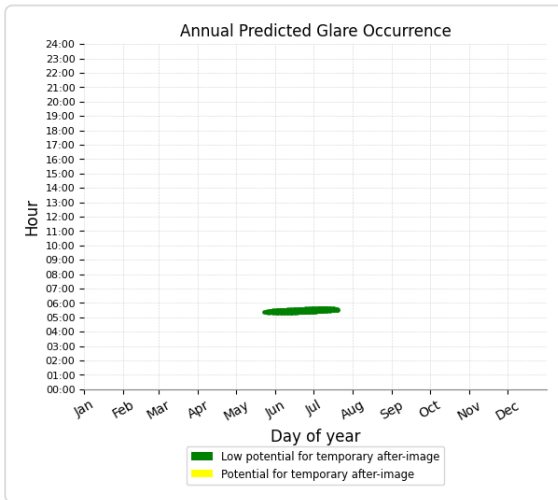
Green glare: 1,608 min.



PV array 3 and OP 7

Yellow glare: none

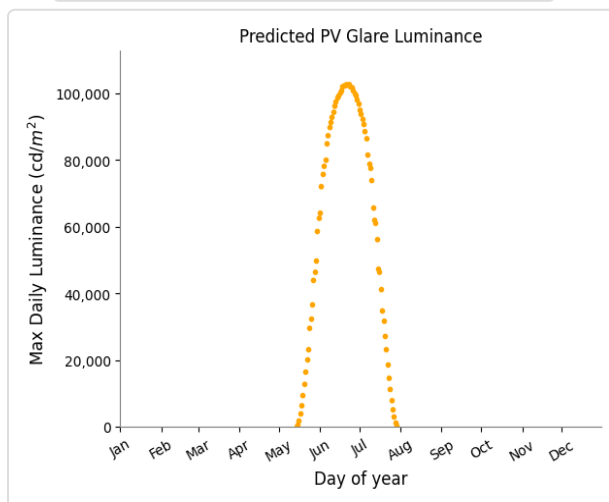
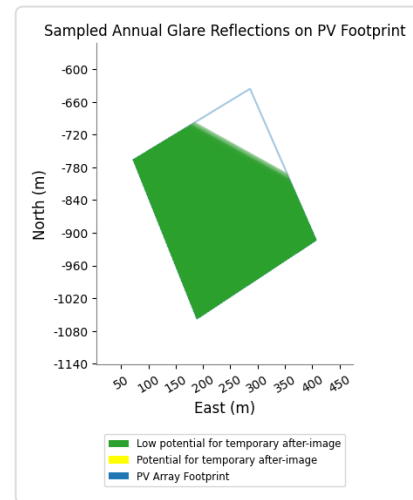
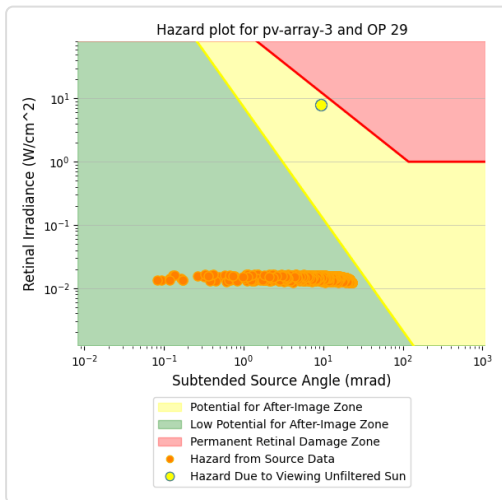
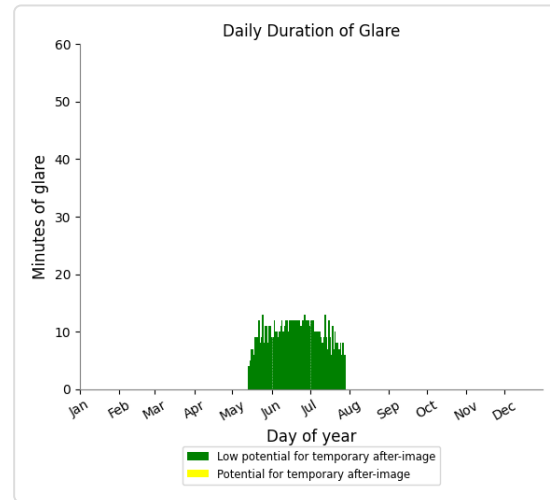
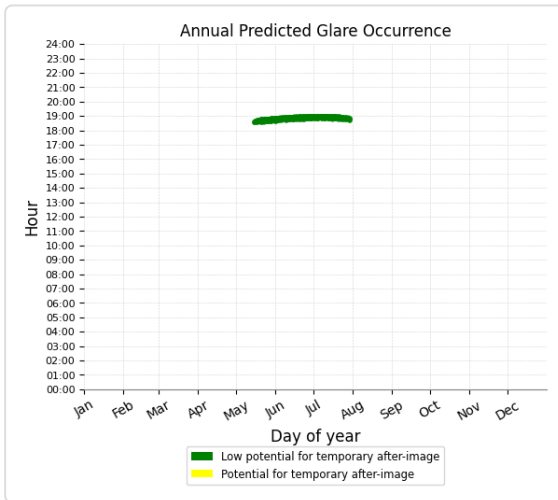
Green glare: 694 min.



PV array 3 and OP 29

Yellow glare: none

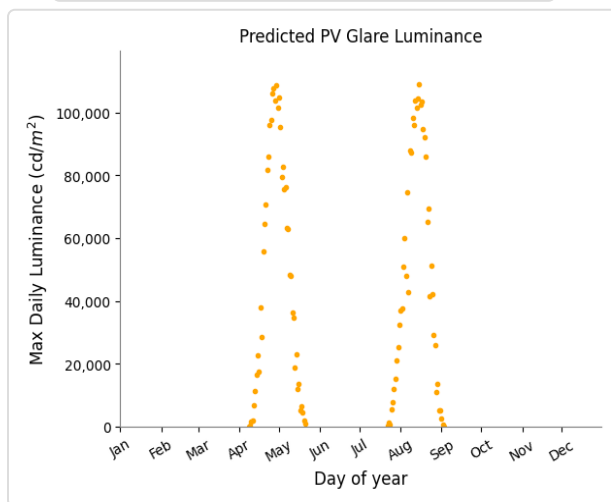
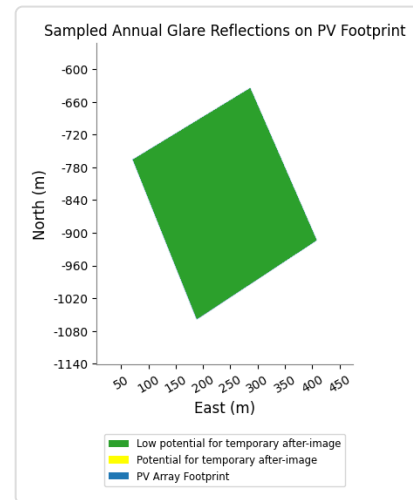
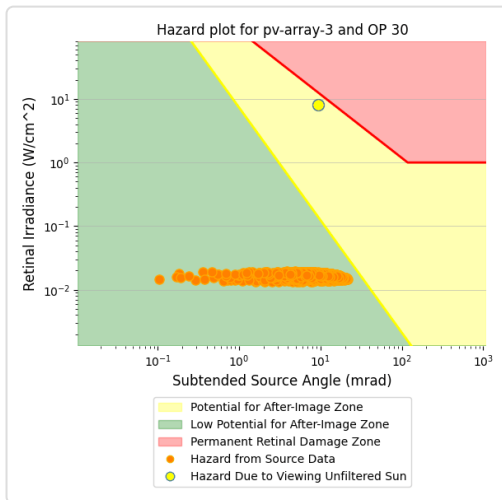
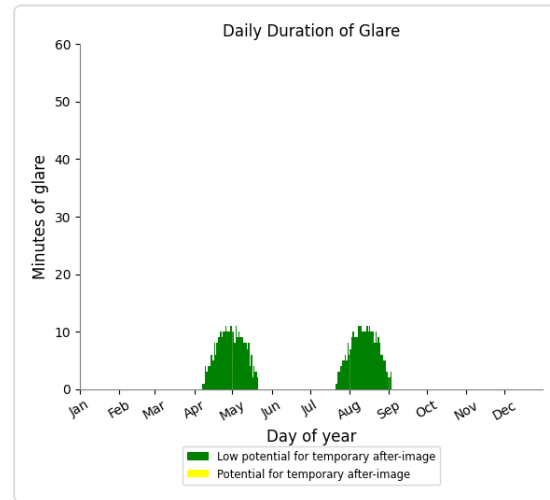
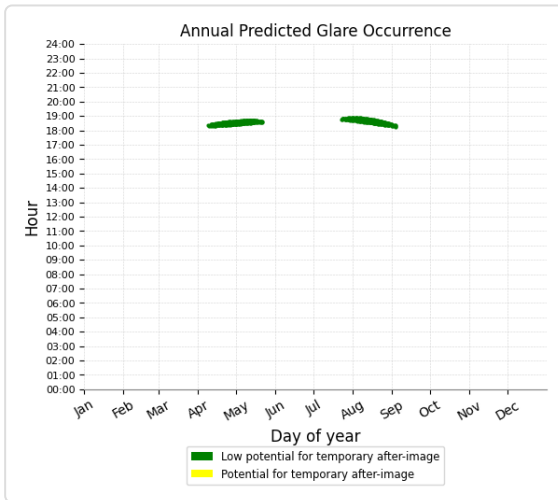
Green glare: 761 min.



PV array 3 and OP 30

Yellow glare: none

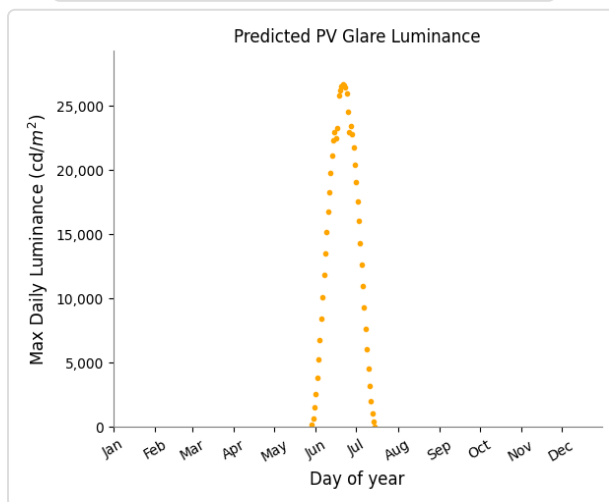
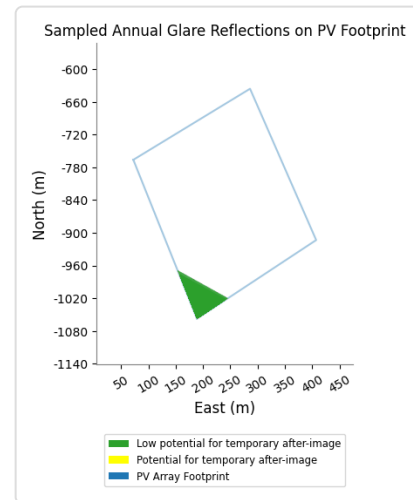
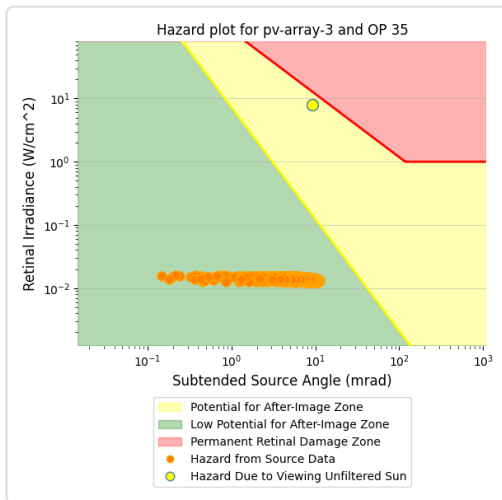
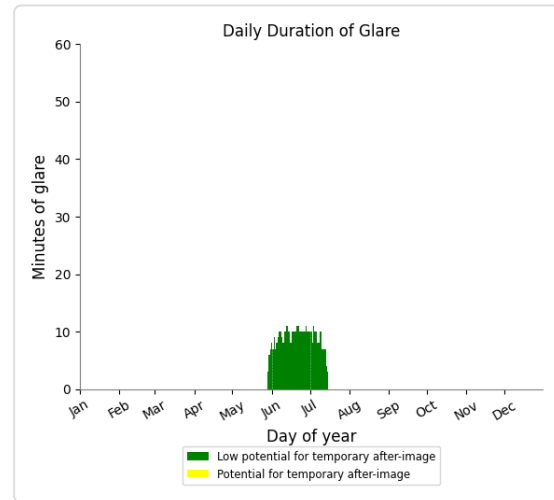
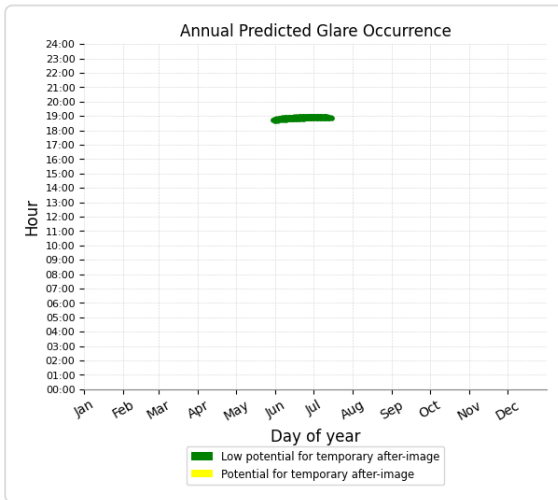
Green glare: 629 min.



PV array 3 and OP 35

Yellow glare: none

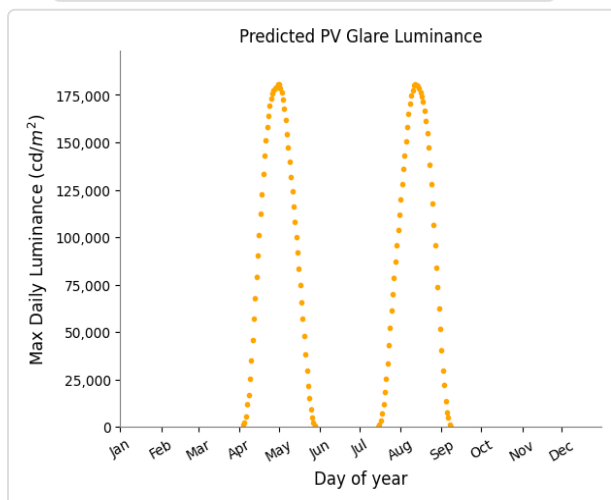
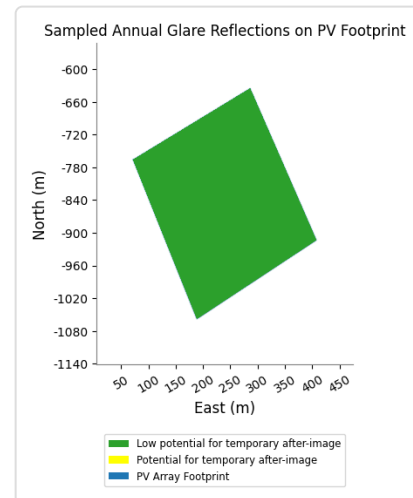
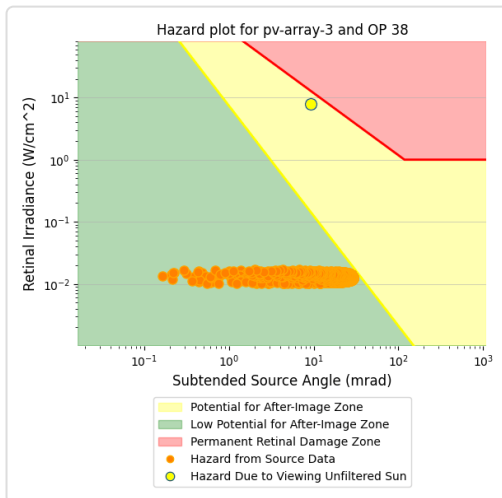
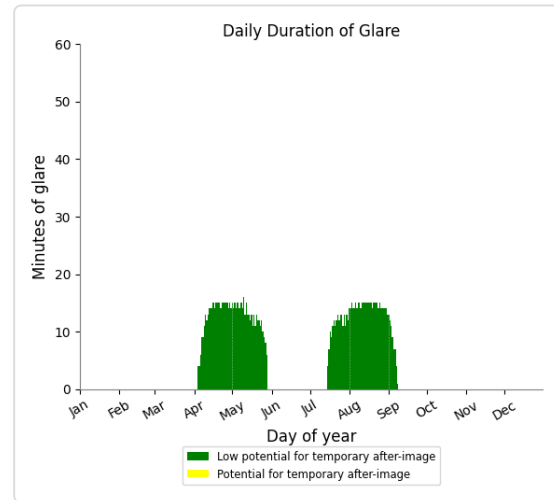
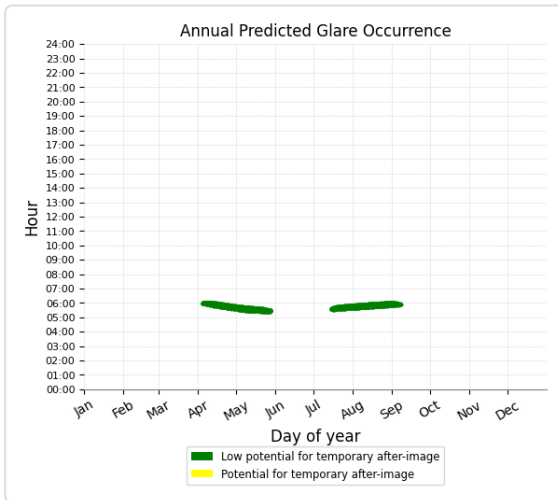
Green glare: 426 min.



PV array 3 and OP 38

Yellow glare: none

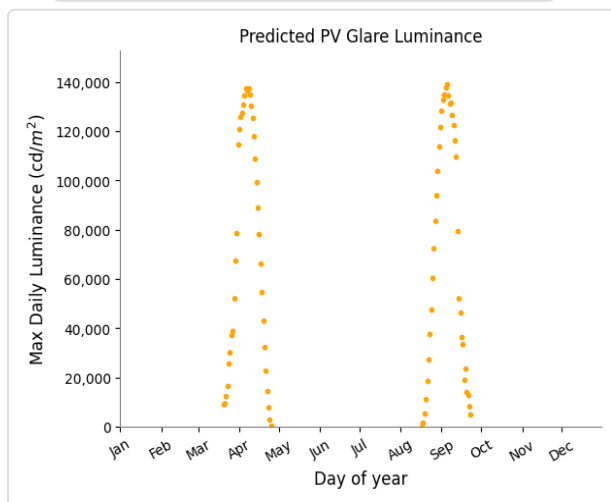
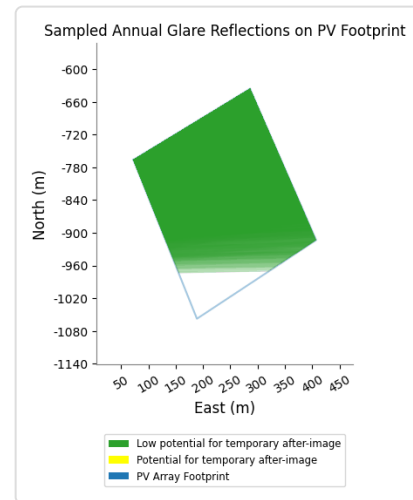
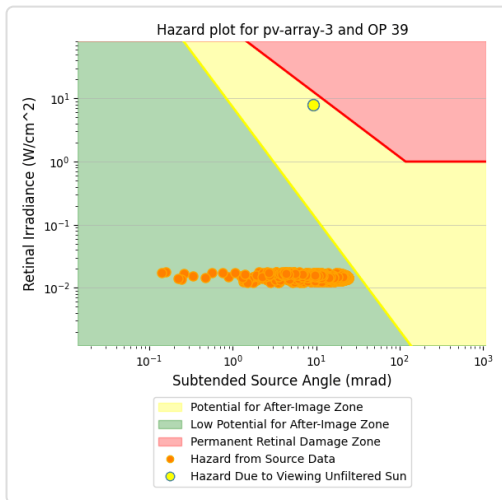
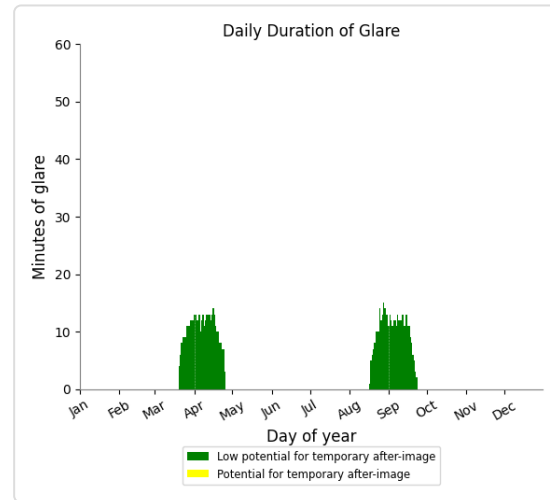
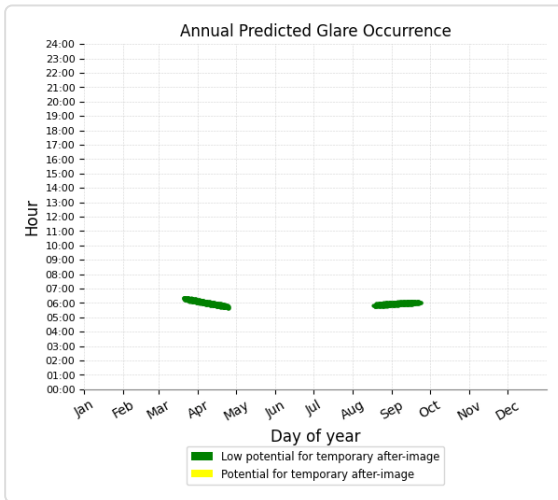
Green glare: 1,398 min.



PV array 3 and OP 39

Yellow glare: none

Green glare: 775 min.



PV array 3 and OP 1

No glare found

PV array 3 and OP 2

No glare found

PV array 3 and OP 8

No glare found

PV array 3 and OP 9

No glare found

PV array 3 and OP 10

No glare found

PV array 3 and OP 11

No glare found

PV array 3 and OP 12

No glare found

PV array 3 and OP 13

No glare found

PV array 3 and OP 14

No glare found

PV array 3 and OP 15

No glare found

PV array 3 and OP 16

No glare found

PV array 3 and OP 17

No glare found

PV array 3 and OP 18

No glare found

PV array 3 and OP 19

No glare found

PV array 3 and OP 20

No glare found

PV array 3 and OP 21

No glare found

PV array 3 and OP 22

No glare found

PV array 3 and OP 23

No glare found

PV array 3 and OP 24

No glare found

PV array 3 and OP 25

No glare found

PV array 3 and OP 26

No glare found

PV array 3 and OP 27

No glare found

PV array 3 and OP 28

No glare found

PV array 3 and OP 31

No glare found

PV array 3 and OP 32

No glare found

PV array 3 and OP 33

No glare found

PV array 3 and OP 34

No glare found

PV array 3 and OP 36

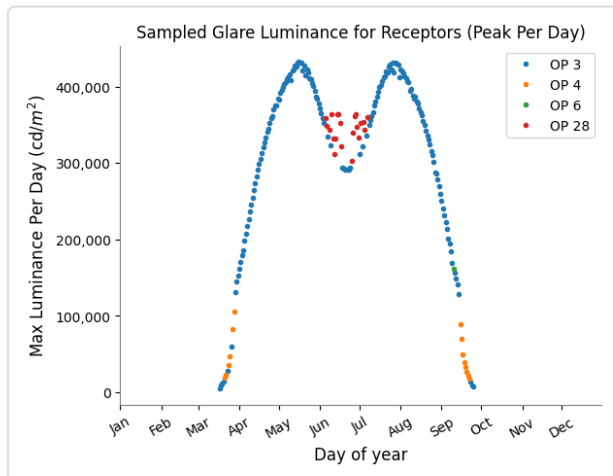
No glare found

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
OP 3	1,340	22.3	1,237	20.6	432,059
OP 4	2,136	35.6	381	6.3	405,464
OP 5	1,812	30.2	148	2.5	313,180
OP 6	1,046	17.4	15	0.2	279,297
OP 7	1,765	29.4	73	1.2	296,796
OP 8	1,436	23.9	14	0.2	274,320
OP 28	1,009	16.8	113	1.9	364,151
OP 2	34	0.6	0	0.0	20,096
OP 9	159	2.6	0	0.0	24,543
OP 29	57	0.9	0	0.0	119,776
OP 30	29	0.5	0	0.0	79,315
OP 36	25	0.4	0	0.0	106,015
OP 1	0	0.0	0	0.0	0
OP 10	0	0.0	0	0.0	0
OP 11	0	0.0	0	0.0	0
OP 12	0	0.0	0	0.0	0
OP 13	0	0.0	0	0.0	0
OP 14	0	0.0	0	0.0	0
OP 15	0	0.0	0	0.0	0
OP 16	0	0.0	0	0.0	0
OP 17	0	0.0	0	0.0	0
OP 18	0	0.0	0	0.0	0
OP 19	0	0.0	0	0.0	0
OP 20	0	0.0	0	0.0	0
OP 21	0	0.0	0	0.0	0
OP 22	0	0.0	0	0.0	0
OP 23	0	0.0	0	0.0	0
OP 24	0	0.0	0	0.0	0
OP 25	0	0.0	0	0.0	0
OP 26	0	0.0	0	0.0	0
OP 27	0	0.0	0	0.0	0
OP 31	0	0.0	0	0.0	0
OP 32	0	0.0	0	0.0	0
OP 33	0	0.0	0	0.0	0
OP 34	0	0.0	0	0.0	0
OP 35	0	0.0	0	0.0	0
OP 37	0	0.0	0	0.0	0
OP 38	0	0.0	0	0.0	0

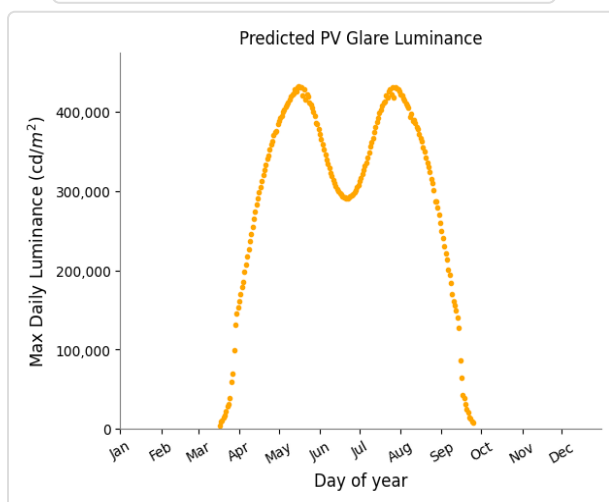
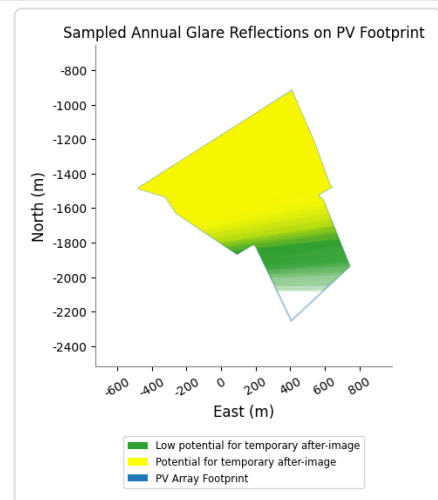
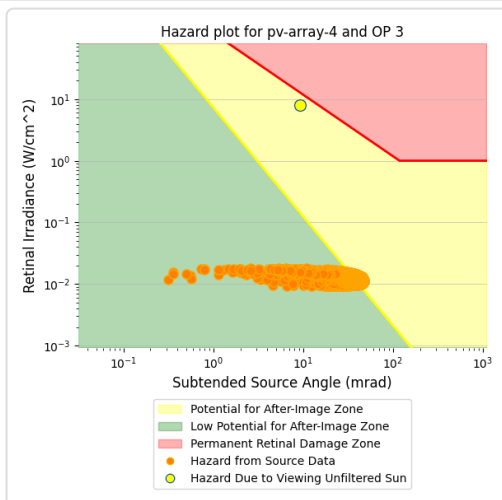
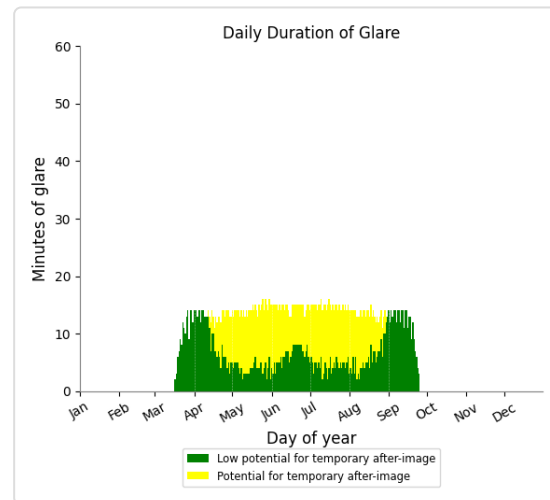
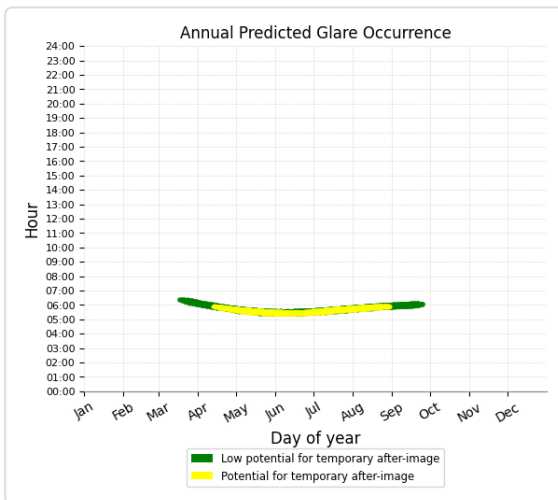
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
OP 39	0	0.0	0	0.0	0



PV array 4 and OP 3

Yellow glare: 1,237 min.

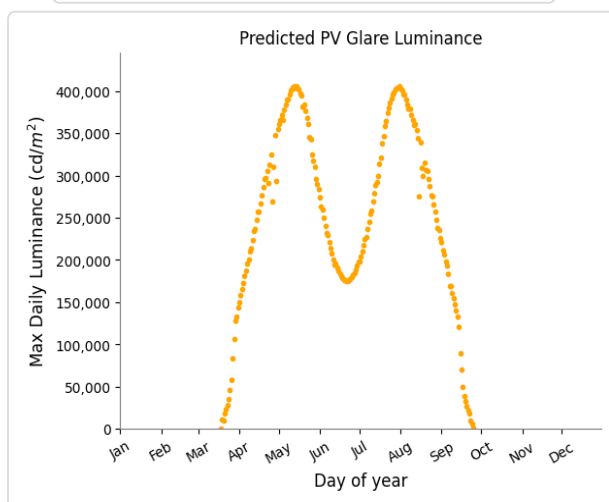
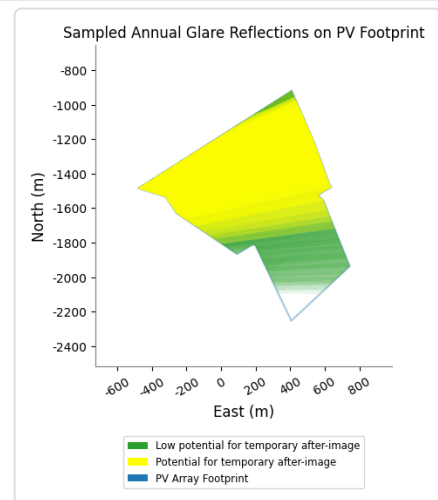
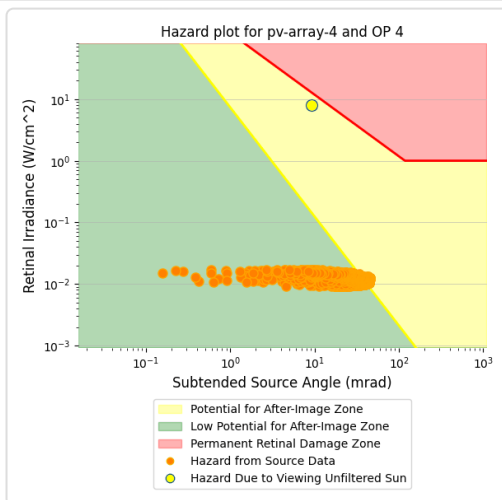
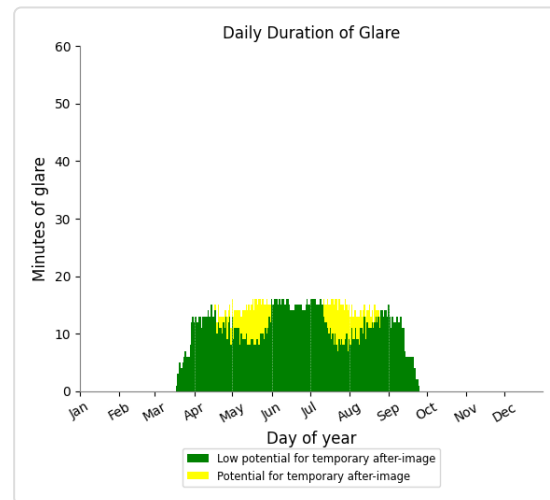
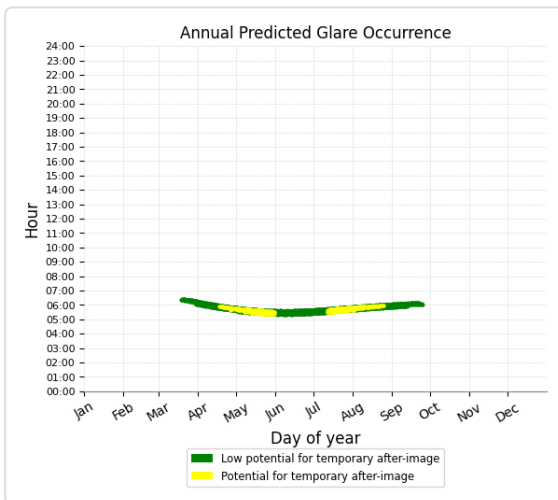
Green glare: 1,340 min.



PV array 4 and OP 4

Yellow glare: 381 min.

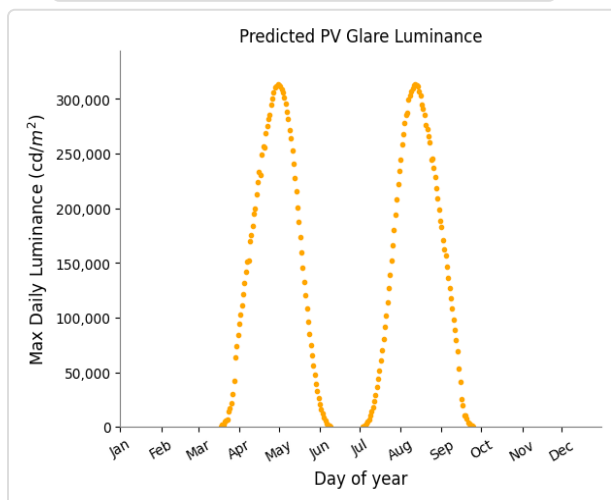
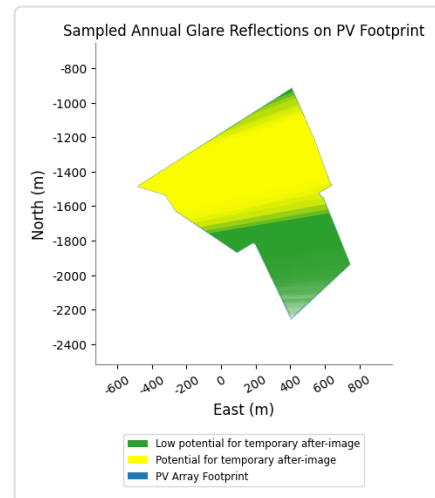
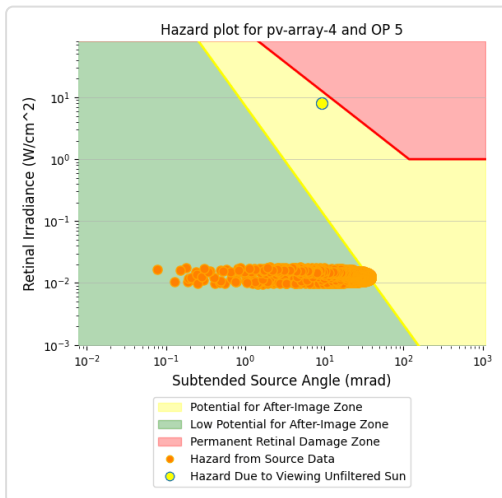
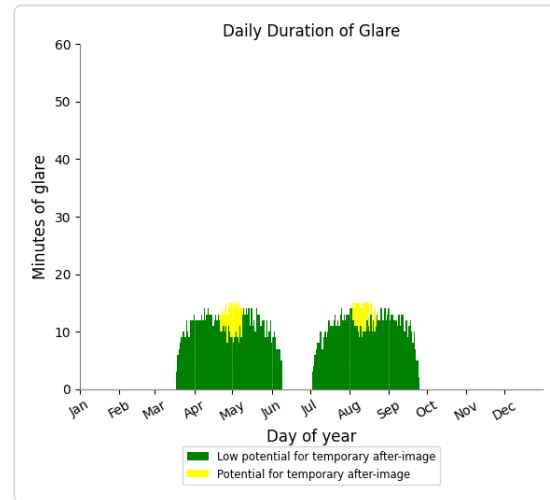
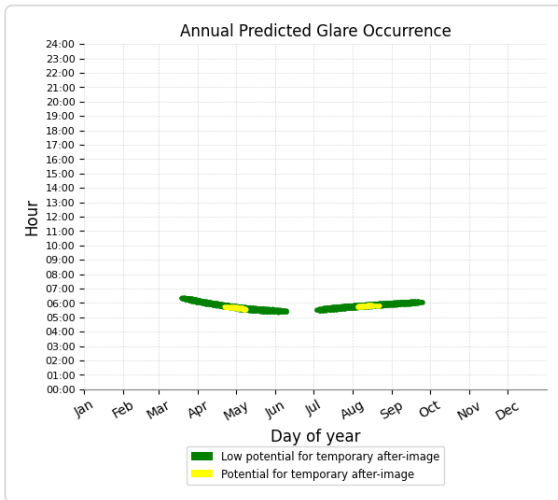
Green glare: 2,136 min.



PV array 4 and OP 5

Yellow glare: 148 min.

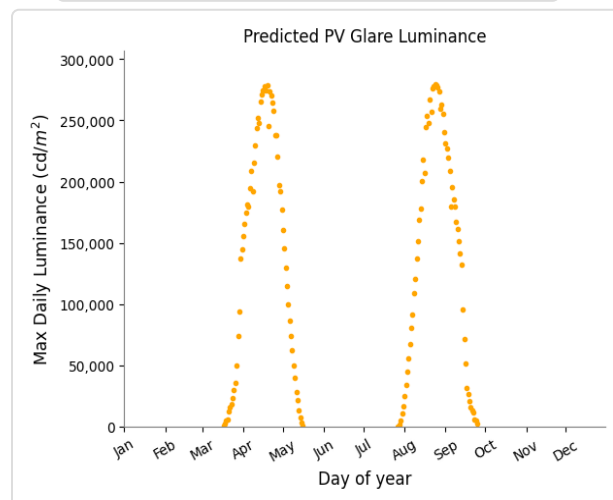
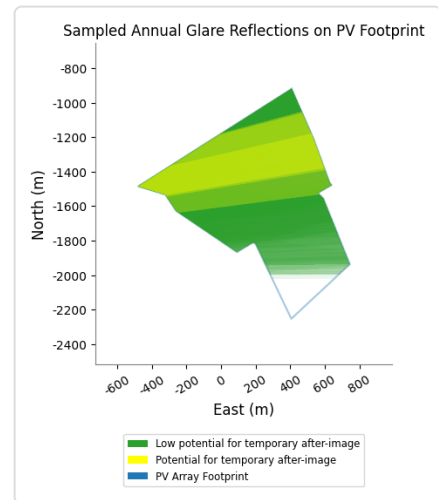
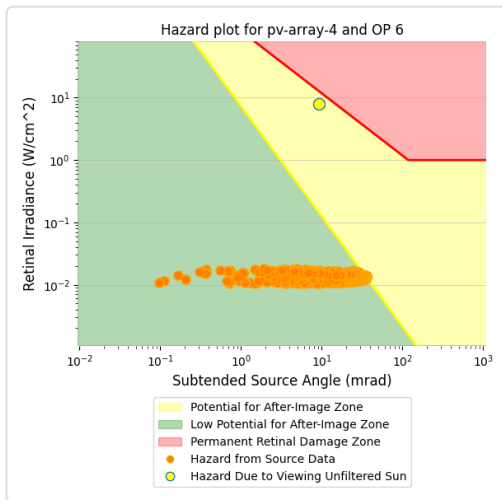
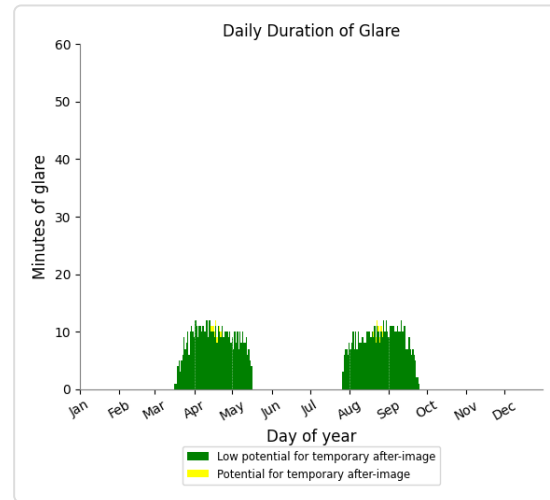
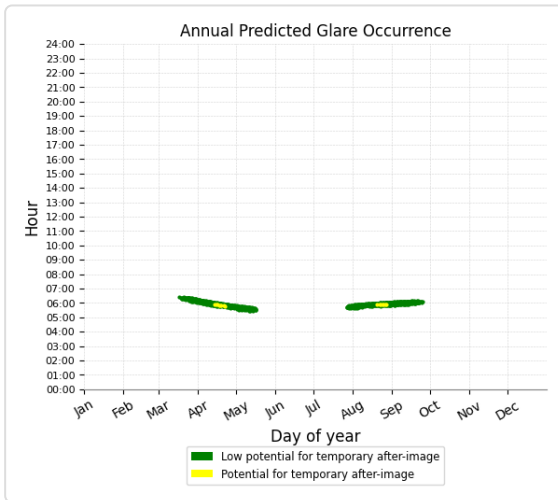
Green glare: 1,812 min.



PV array 4 and OP 6

Yellow glare: 15 min.

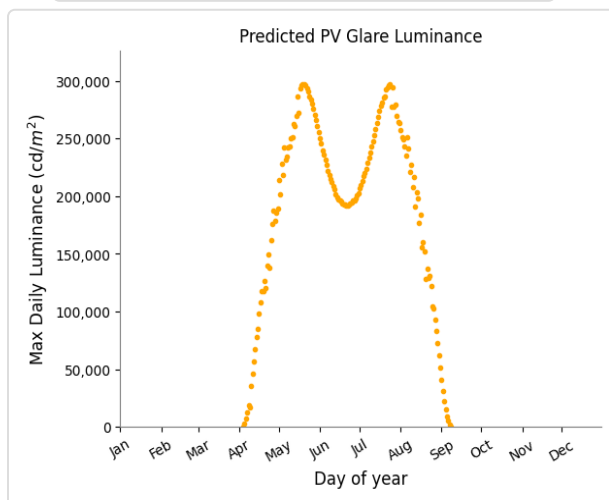
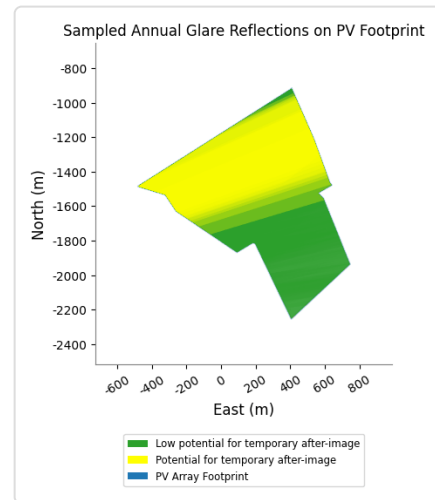
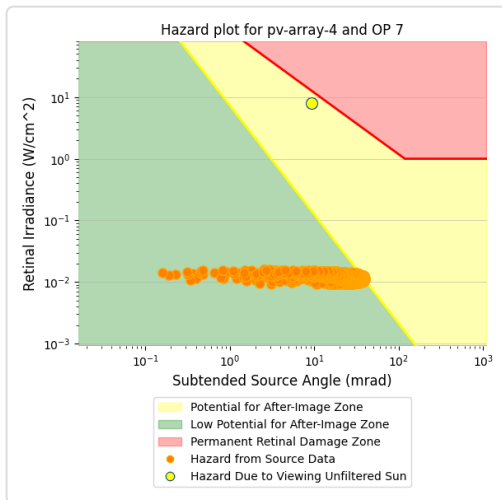
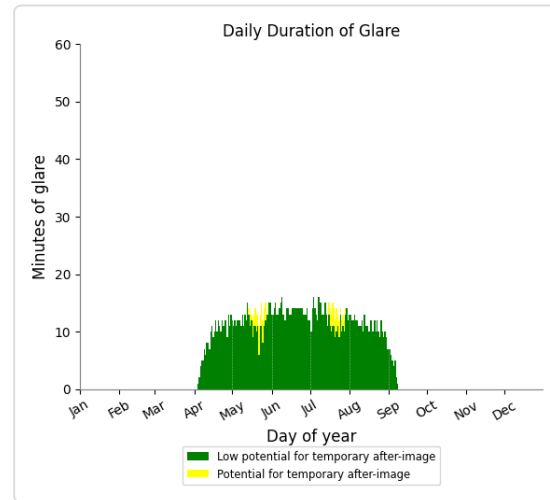
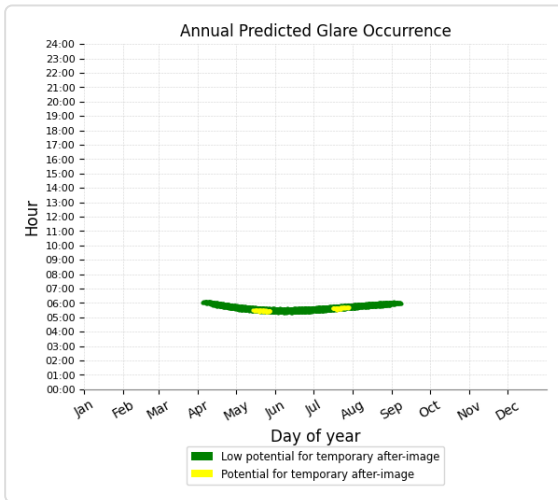
Green glare: 1,046 min.



PV array 4 and OP 7

Yellow glare: 73 min.

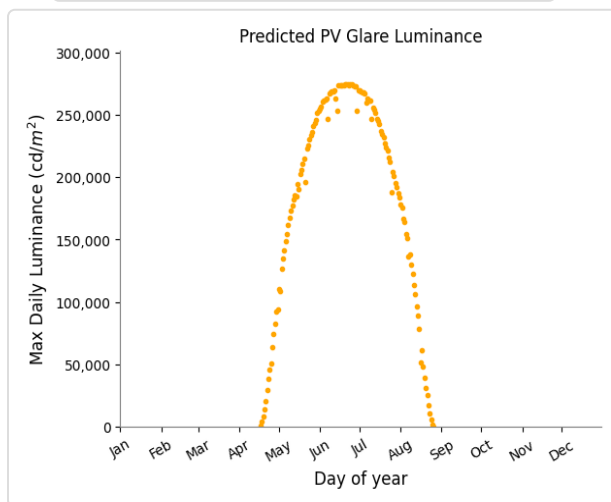
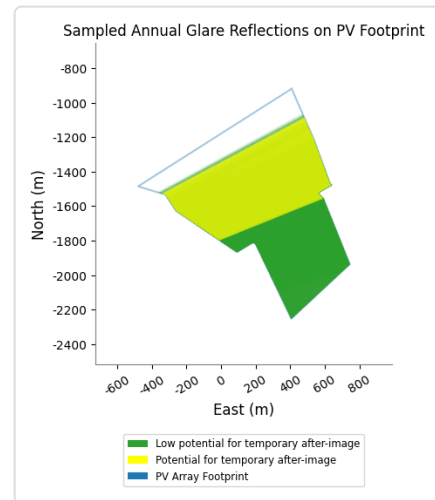
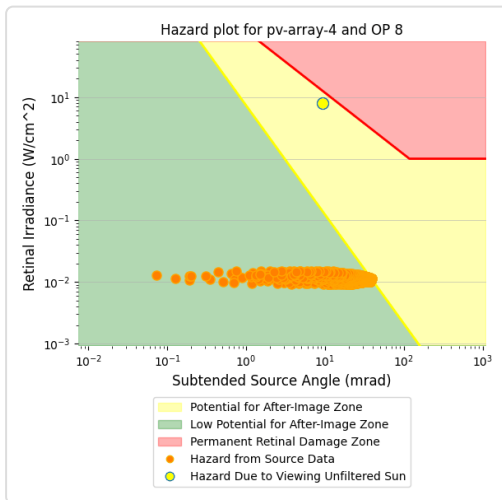
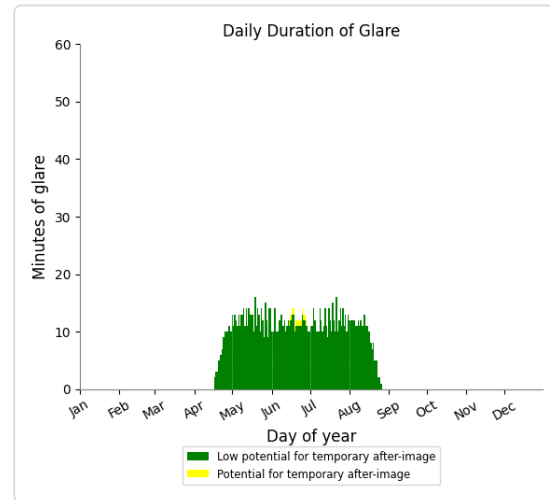
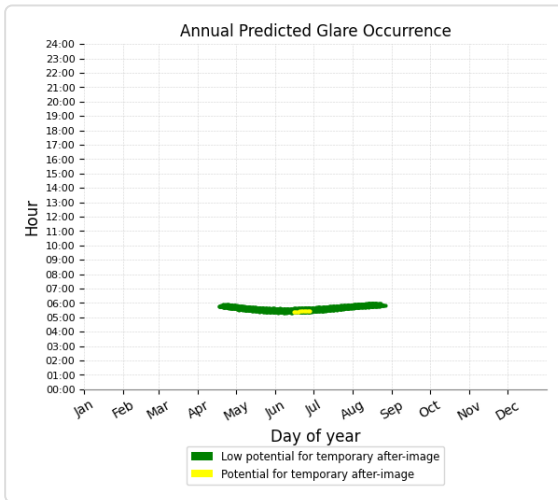
Green glare: 1,765 min.



PV array 4 and OP 8

Yellow glare: 14 min.

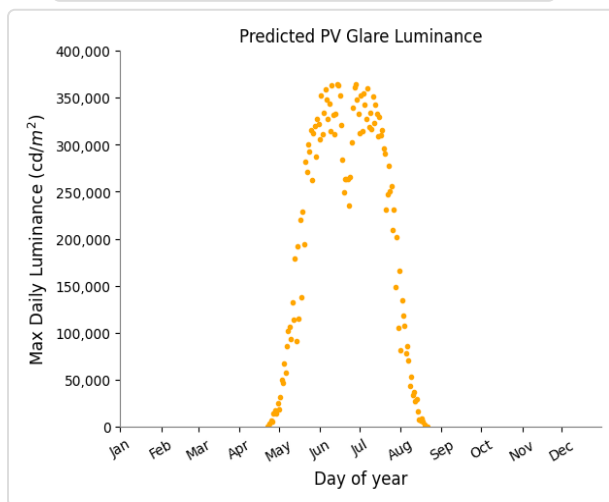
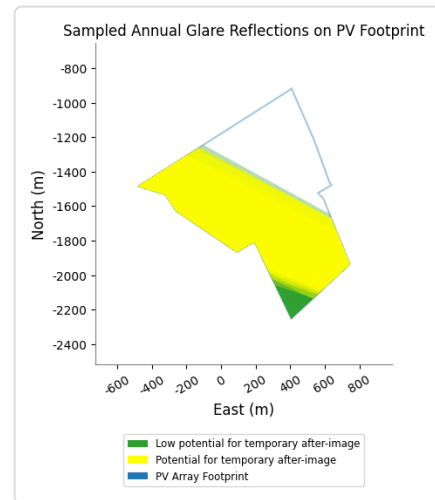
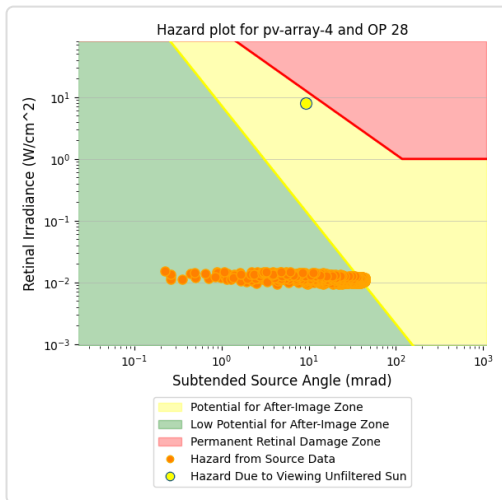
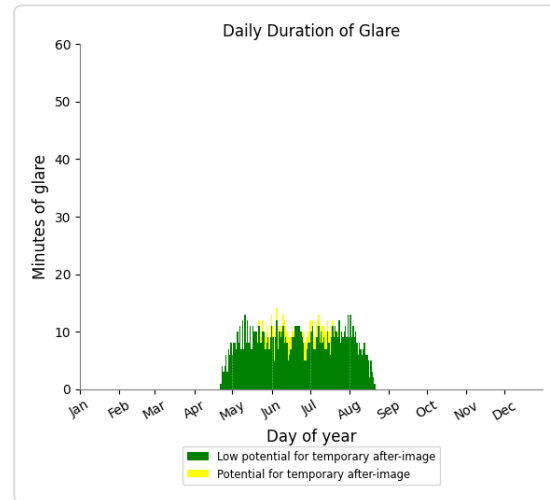
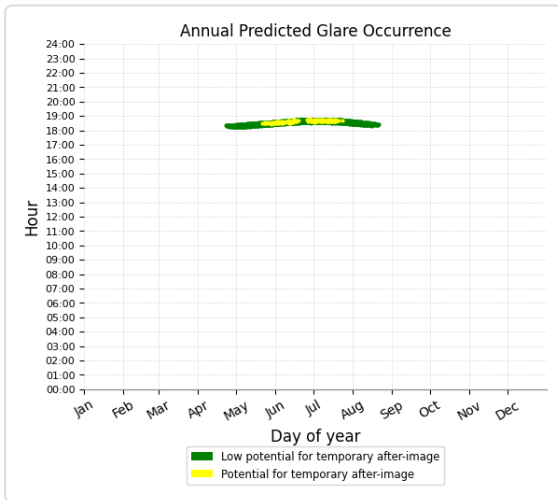
Green glare: 1,436 min.



PV array 4 and OP 28

Yellow glare: 113 min.

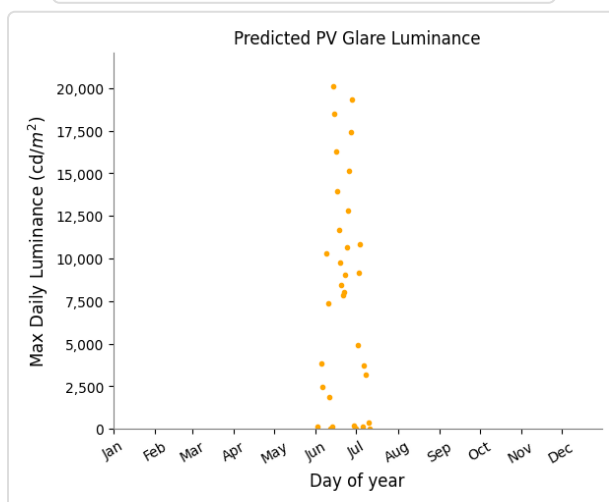
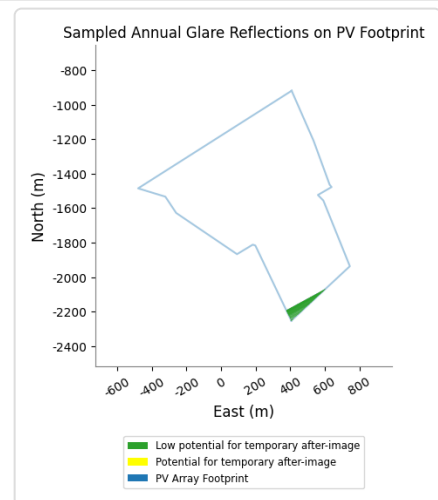
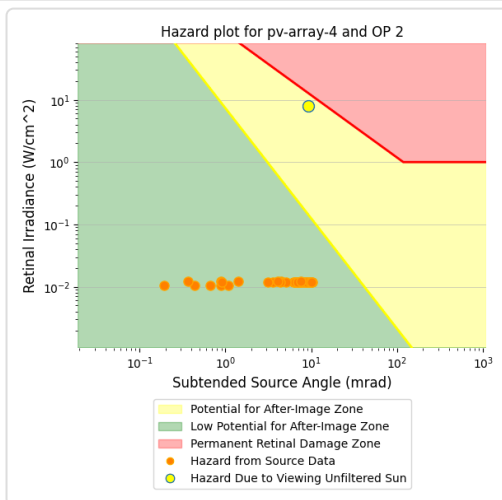
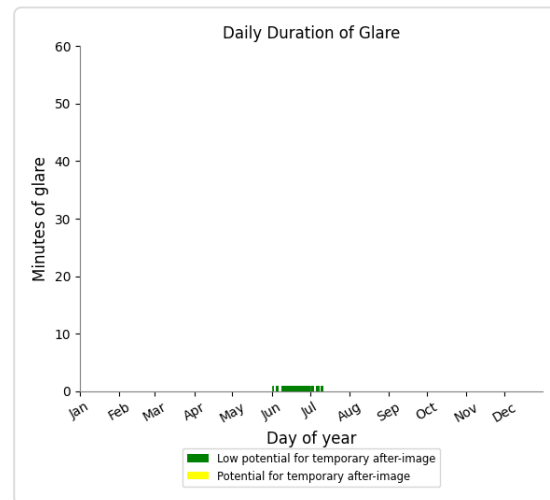
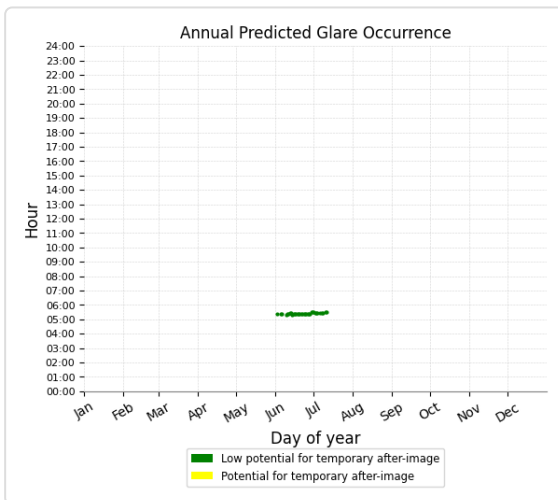
Green glare: 1,009 min.



PV array 4 and OP 2

Yellow glare: none

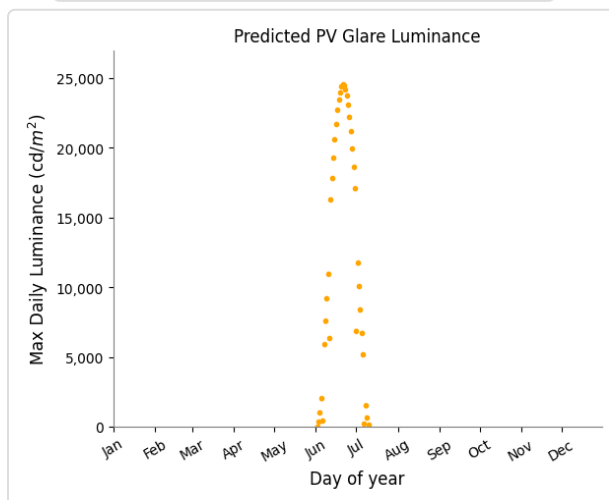
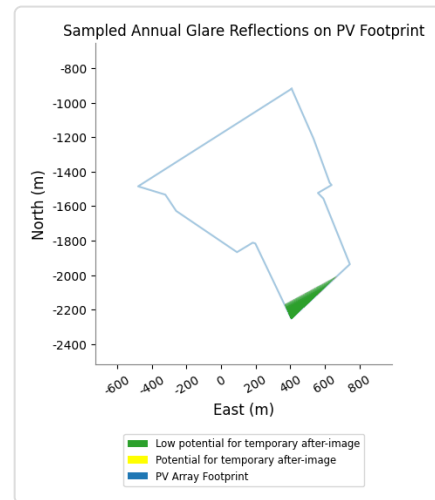
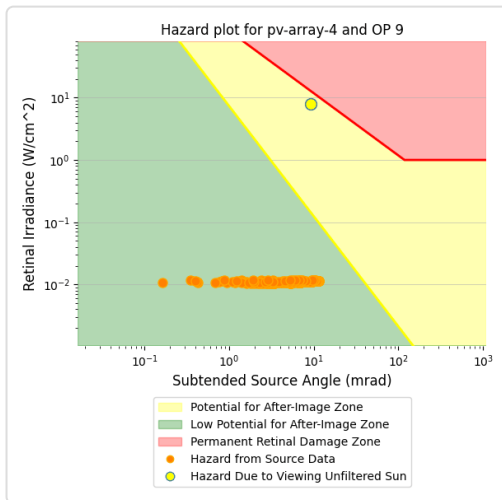
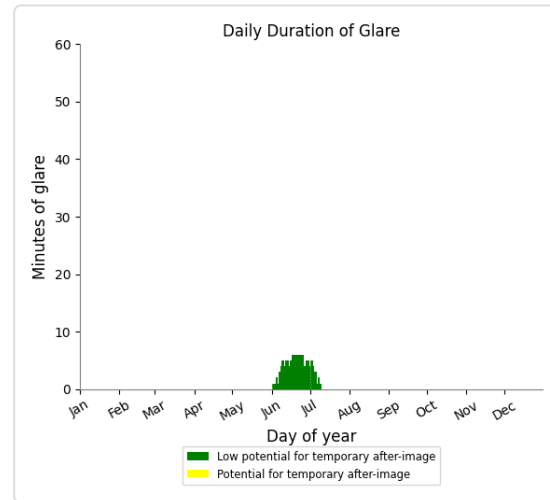
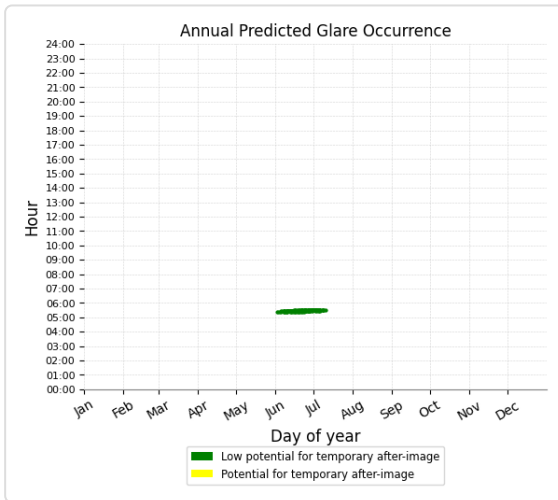
Green glare: 34 min.



PV array 4 and OP 9

Yellow glare: none

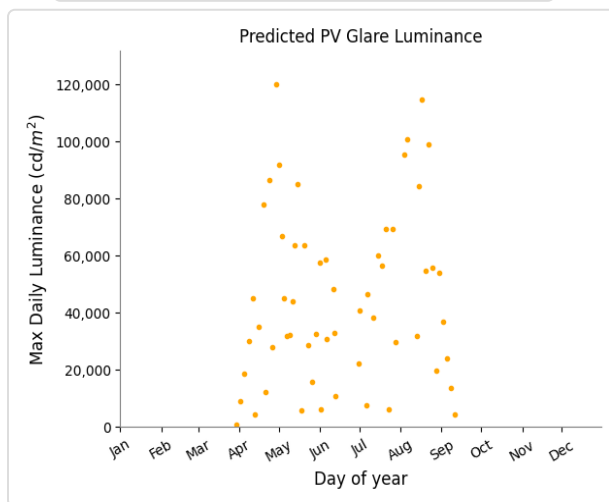
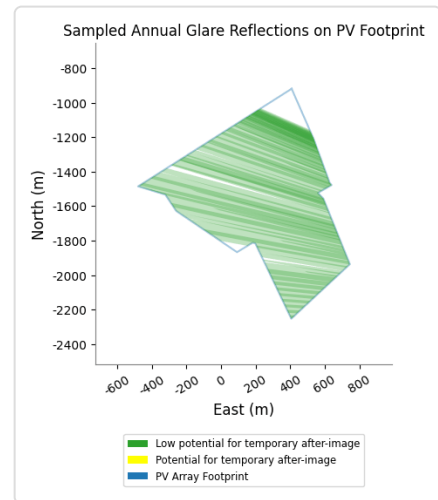
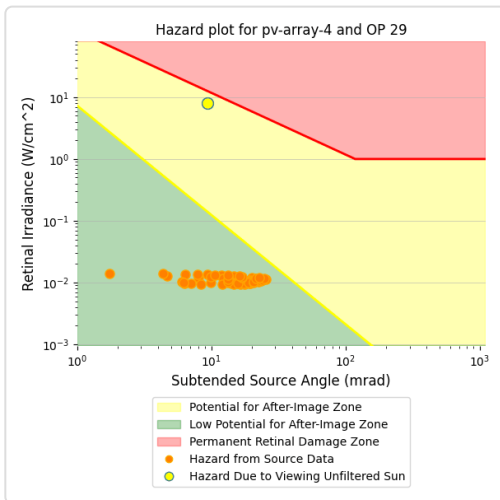
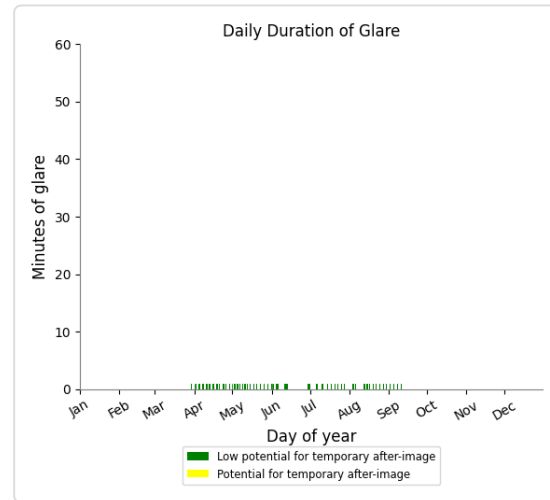
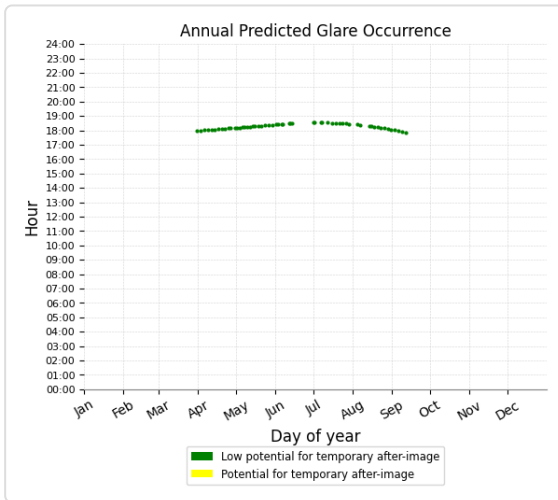
Green glare: 159 min.



PV array 4 and OP 29

Yellow glare: none

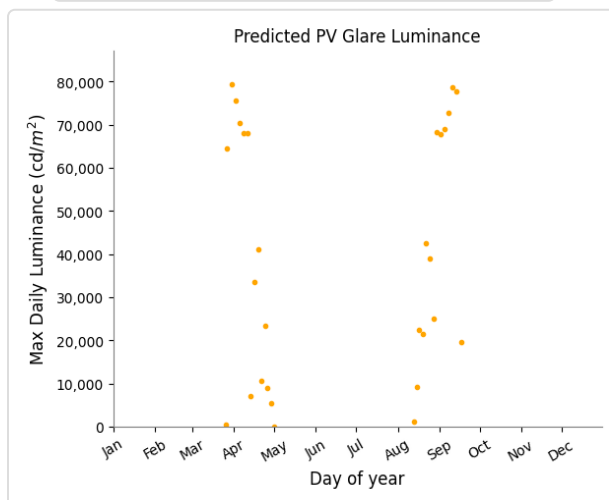
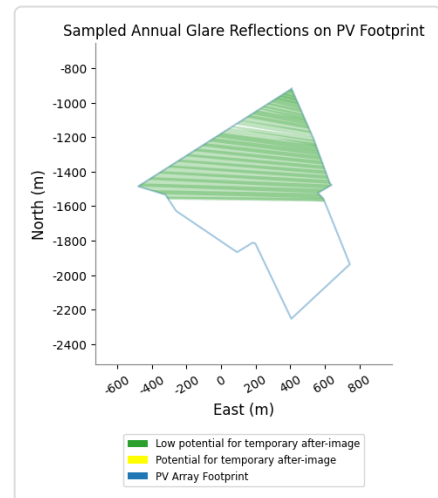
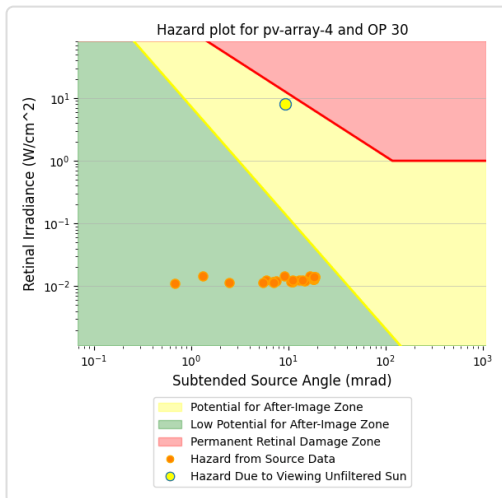
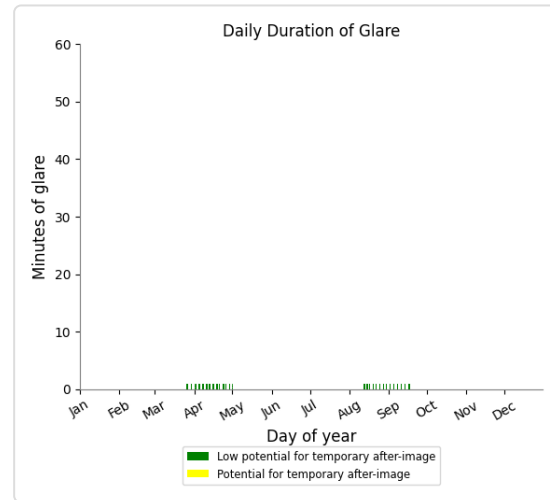
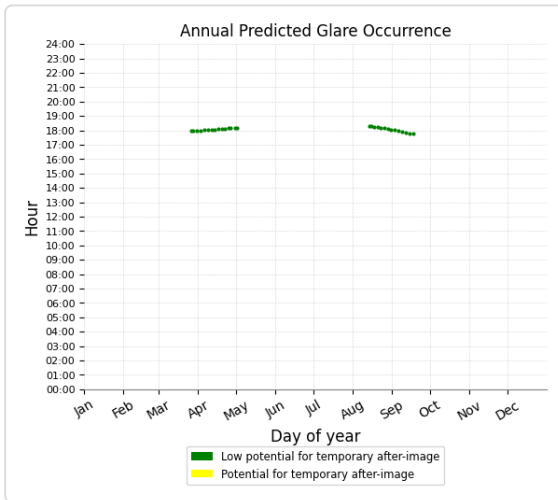
Green glare: 57 min.



PV array 4 and OP 30

Yellow glare: none

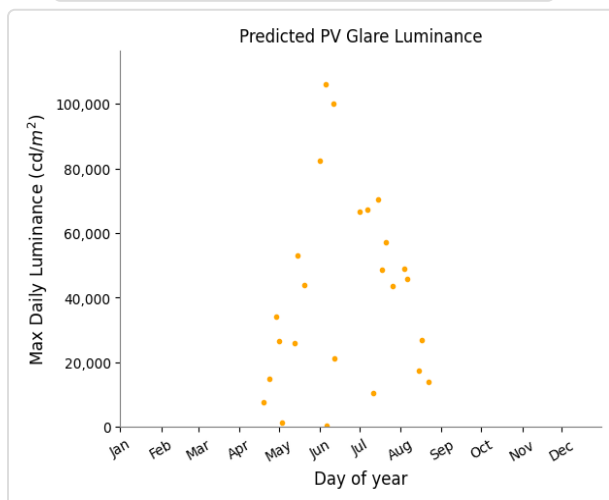
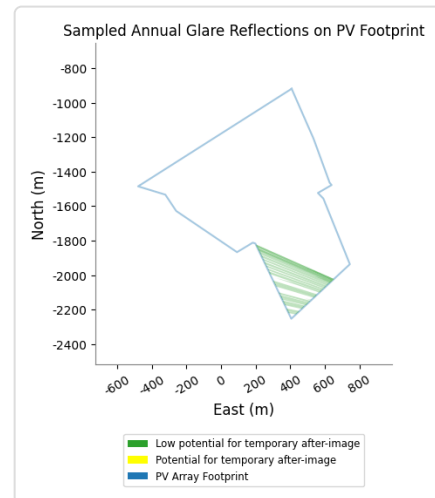
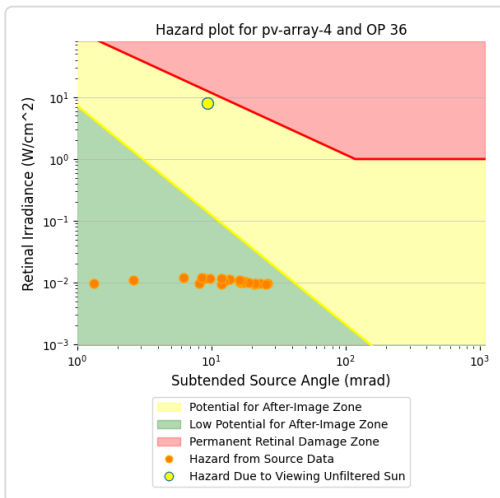
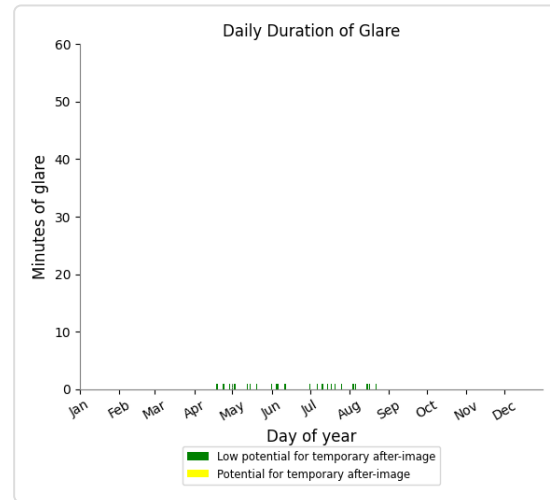
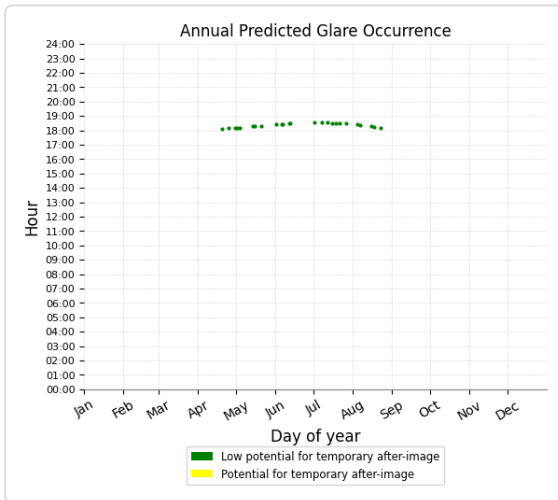
Green glare: 29 min.



PV array 4 and OP 36

Yellow glare: none

Green glare: 25 min.



PV array 4 and OP 1

No glare found

PV array 4 and OP 10

No glare found

PV array 4 and OP 11

No glare found

PV array 4 and OP 12

No glare found

PV array 4 and OP 13

No glare found

PV array 4 and OP 14

No glare found

PV array 4 and OP 15

No glare found

PV array 4 and OP 16

No glare found

PV array 4 and OP 17

No glare found

PV array 4 and OP 18

No glare found

PV array 4 and OP 19

No glare found

PV array 4 and OP 20

No glare found

PV array 4 and OP 21

No glare found

PV array 4 and OP 22

No glare found

PV array 4 and OP 23

No glare found

PV array 4 and OP 24

No glare found

PV array 4 and OP 25

No glare found

PV array 4 and OP 26

No glare found

PV array 4 and OP 27

No glare found

PV array 4 and OP 31

No glare found

PV array 4 and OP 32

No glare found

PV array 4 and OP 33

No glare found

PV array 4 and OP 34

No glare found

PV array 4 and OP 35

No glare found

PV array 4 and OP 37

No glare found

PV array 4 and OP 38

No glare found

PV array 4 and OP 39

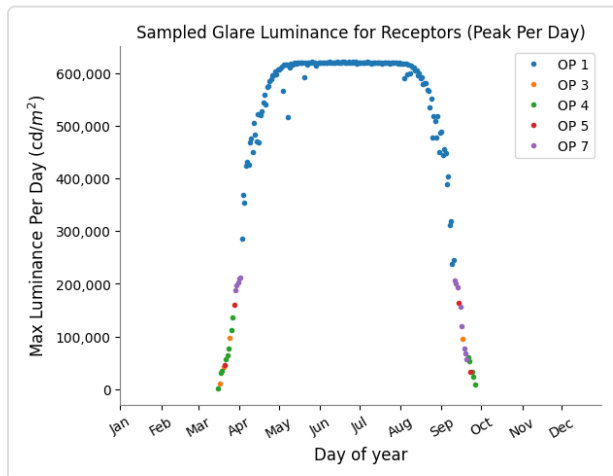
No glare found

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
OP 1	1,122	18.7	2,007	33.5	620,685
OP 8	1,381	23.0	77	1.3	304,226
OP 3	649	10.8	0	0.0	155,633
OP 4	608	10.1	0	0.0	148,528
OP 5	599	10.0	0	0.0	168,625
OP 6	274	4.6	0	0.0	54,409
OP 7	1,126	18.8	0	0.0	244,849
OP 13	74	1.2	0	0.0	3,069
OP 14	69	1.1	0	0.0	752
OP 16	539	9.0	0	0.0	44,211
OP 17	616	10.3	0	0.0	100,997
OP 18	887	14.8	0	0.0	194,662
OP 19	1,302	21.7	0	0.0	244,832
OP 20	934	15.6	0	0.0	149,586
OP 26	816	13.6	0	0.0	186,382
OP 27	34	0.6	0	0.0	54,052
OP 2	0	0.0	0	0.0	0
OP 9	0	0.0	0	0.0	0
OP 10	0	0.0	0	0.0	0
OP 11	0	0.0	0	0.0	0
OP 12	0	0.0	0	0.0	0
OP 15	0	0.0	0	0.0	0
OP 21	0	0.0	0	0.0	0
OP 22	0	0.0	0	0.0	0
OP 23	0	0.0	0	0.0	0
OP 24	0	0.0	0	0.0	0
OP 25	0	0.0	0	0.0	0
OP 28	0	0.0	0	0.0	0
OP 29	0	0.0	0	0.0	0
OP 30	0	0.0	0	0.0	0
OP 31	0	0.0	0	0.0	0
OP 32	0	0.0	0	0.0	0
OP 33	0	0.0	0	0.0	0
OP 34	0	0.0	0	0.0	0
OP 35	0	0.0	0	0.0	0
OP 36	0	0.0	0	0.0	0
OP 37	0	0.0	0	0.0	0
OP 38	0	0.0	0	0.0	0

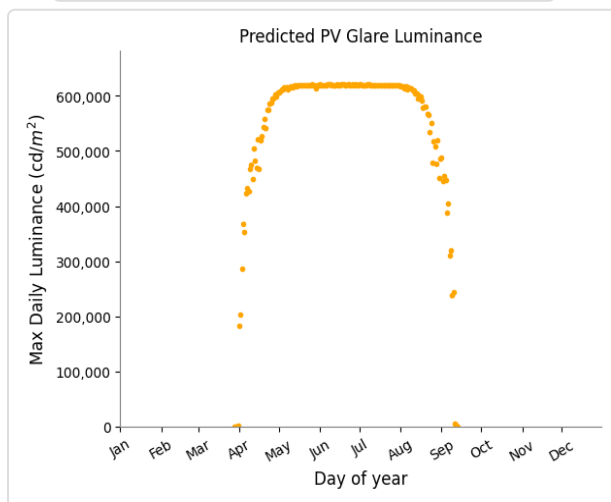
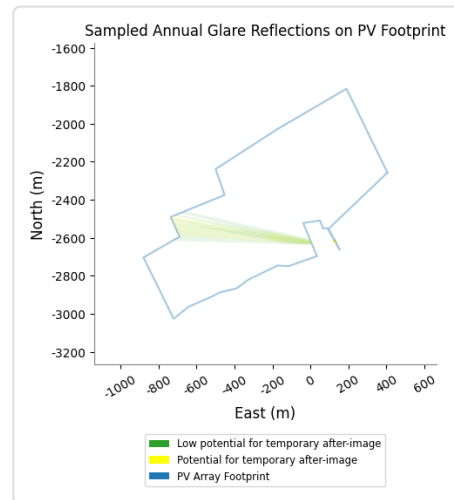
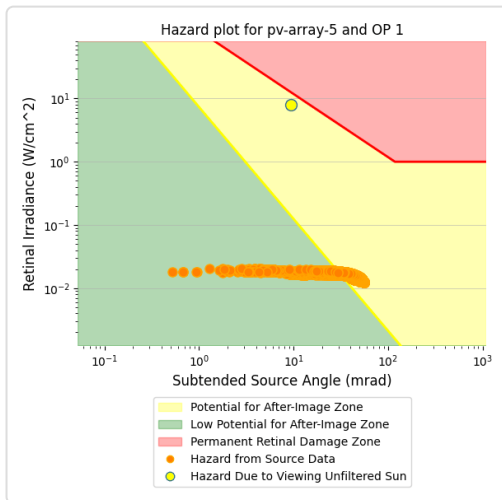
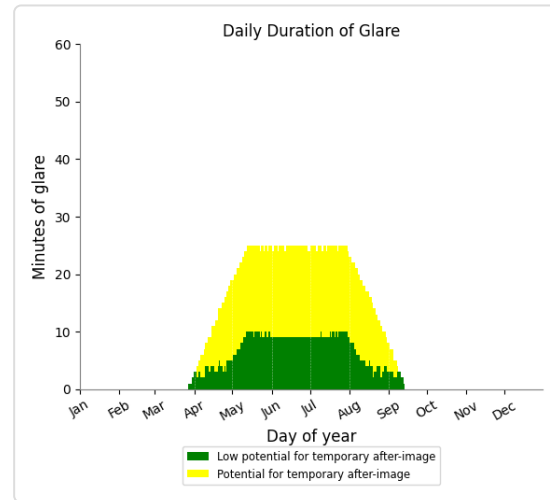
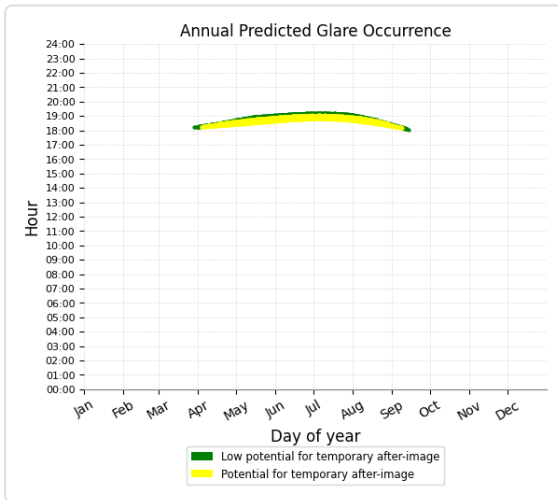
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
OP 39	0	0.0	0	0.0	0



PV array 5 and OP 1

Yellow glare: 2,007 min.

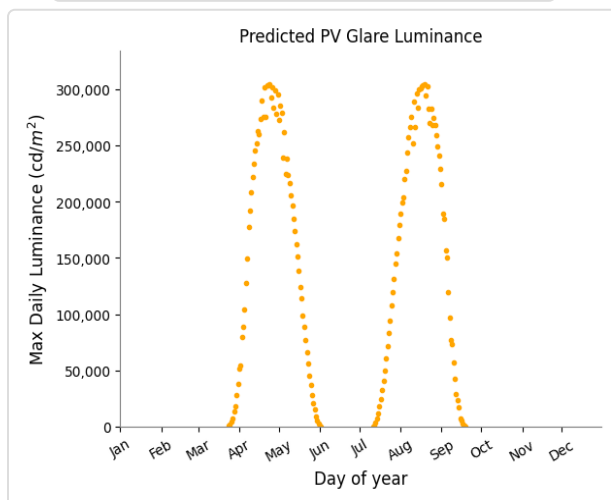
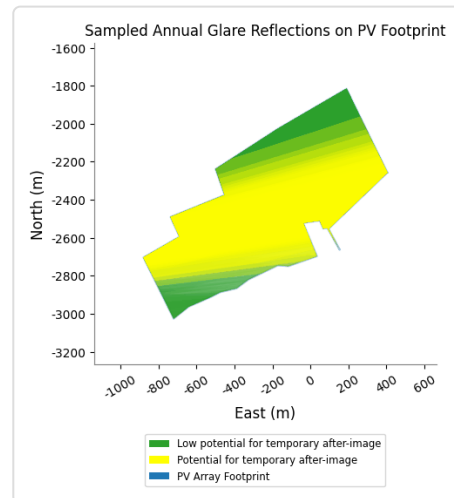
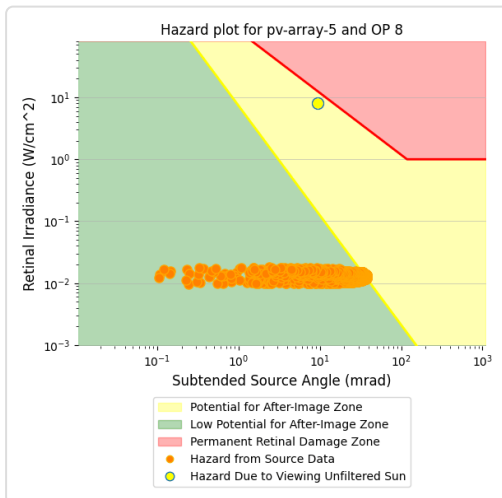
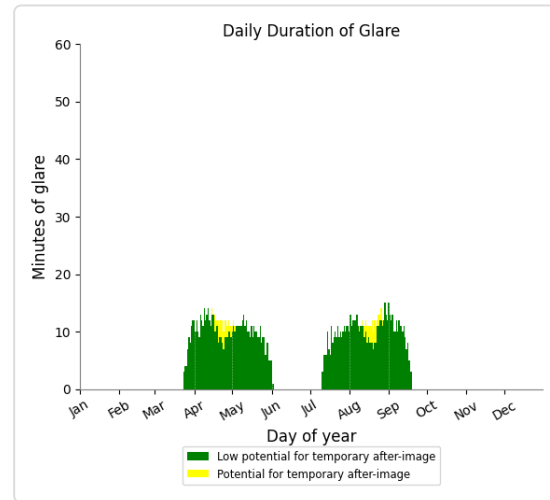
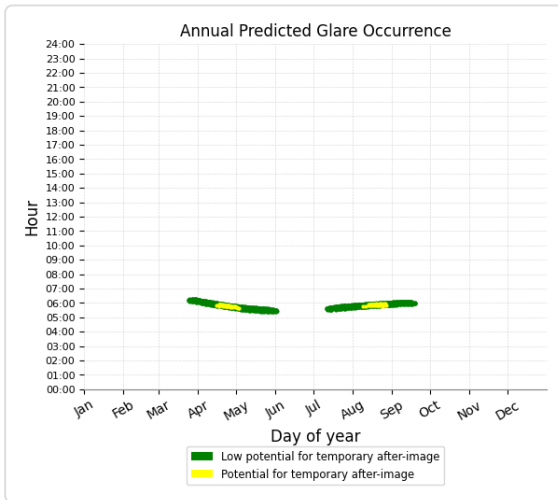
Green glare: 1,122 min.



PV array 5 and OP 8

Yellow glare: 77 min.

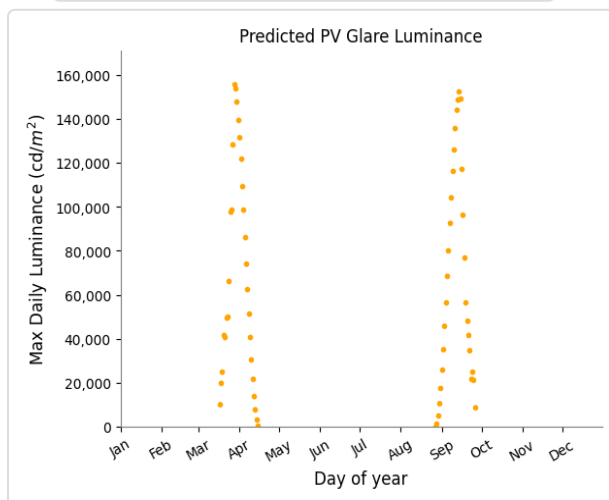
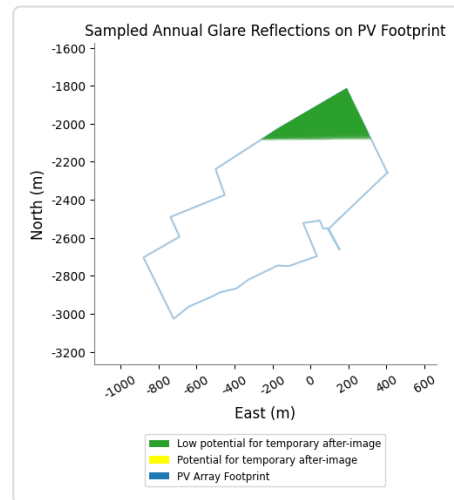
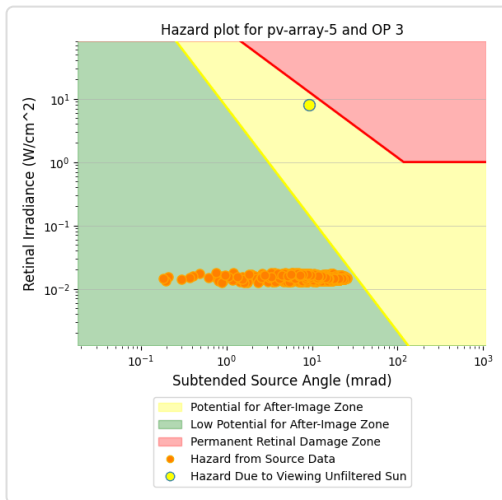
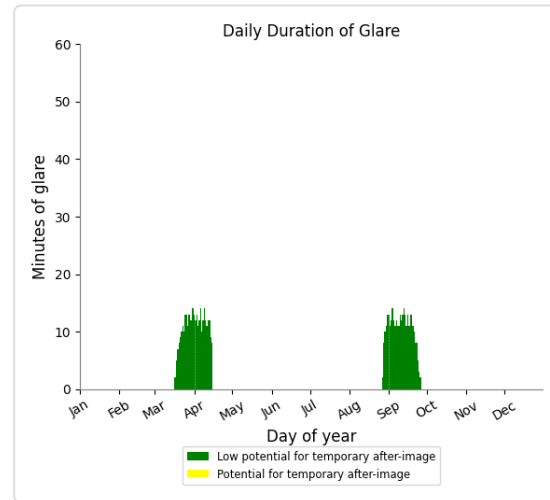
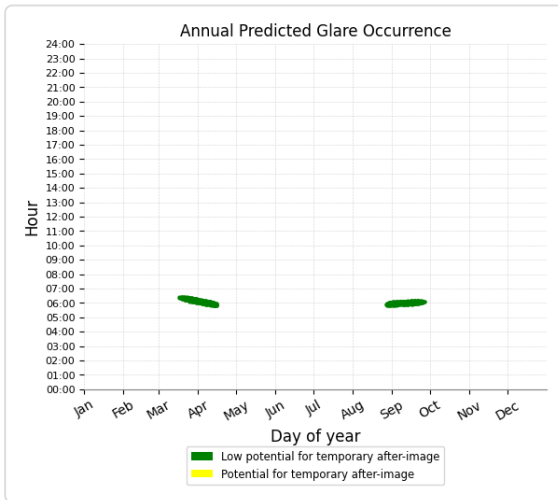
Green glare: 1,381 min.



PV array 5 and OP 3

Yellow glare: none

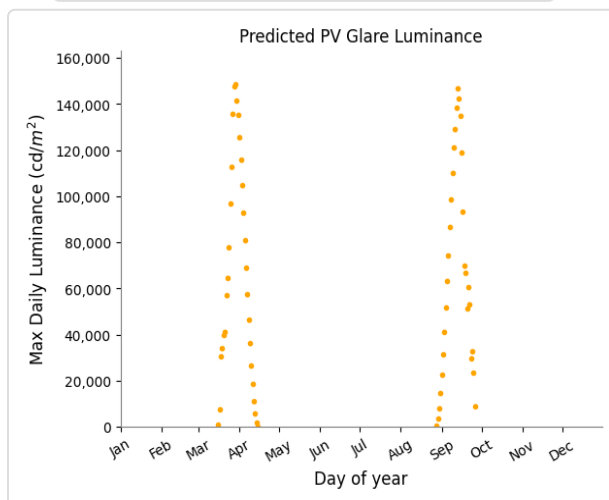
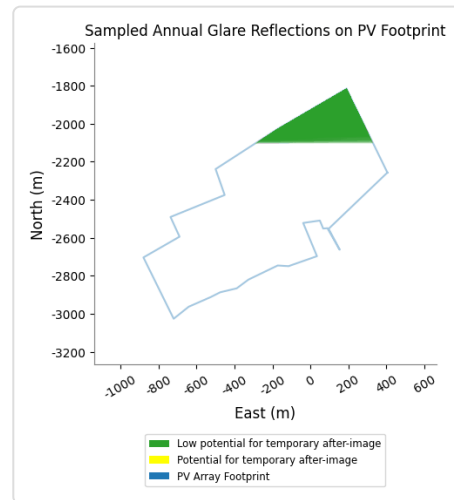
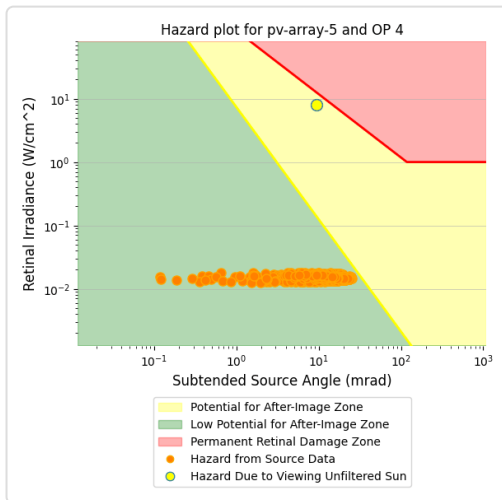
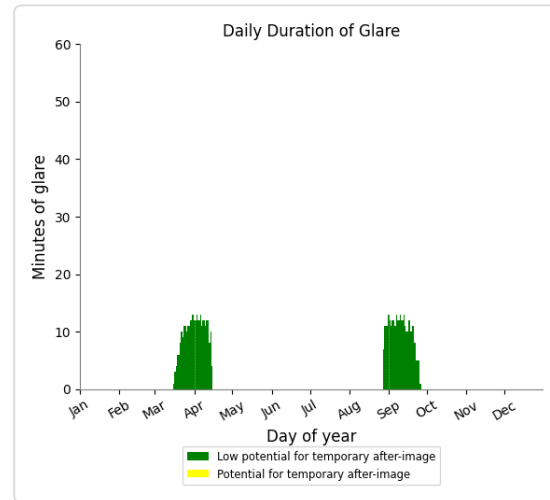
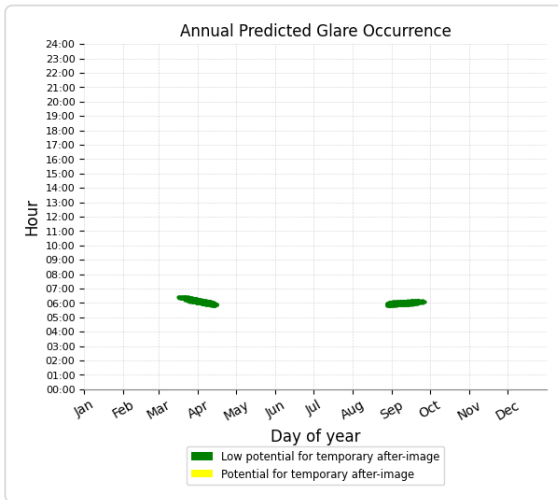
Green glare: 649 min.



PV array 5 and OP 4

Yellow glare: none

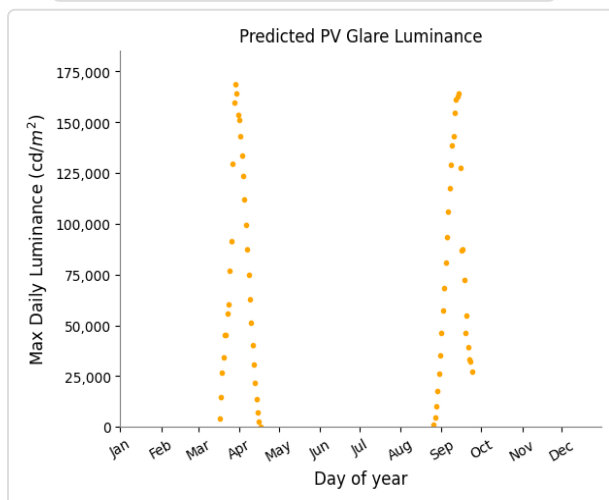
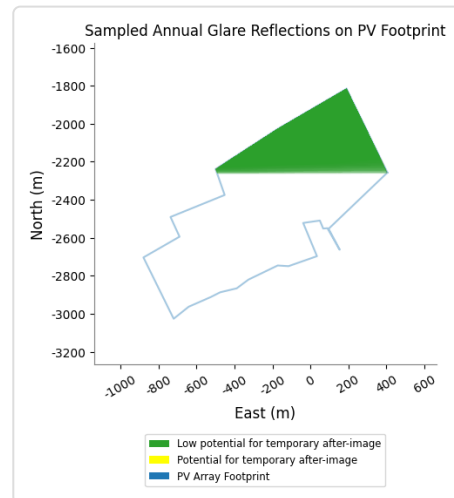
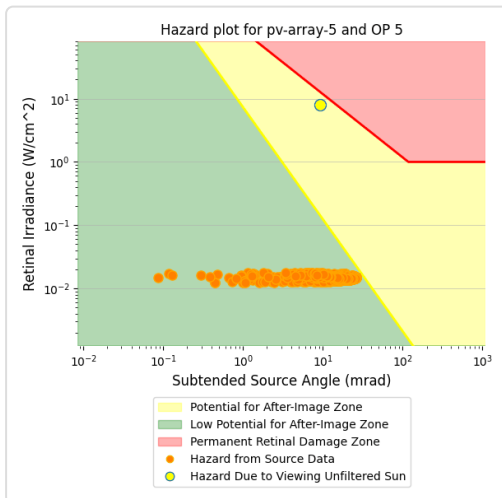
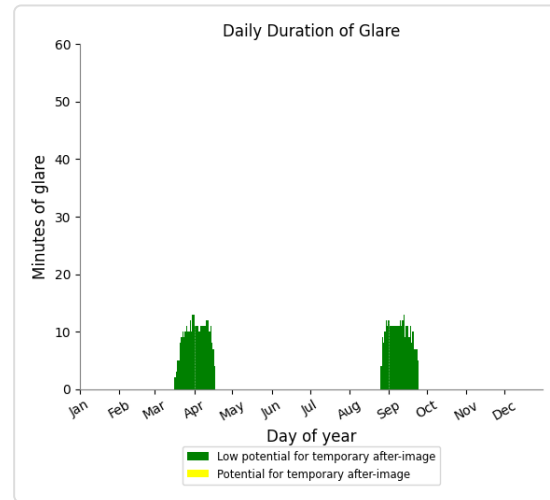
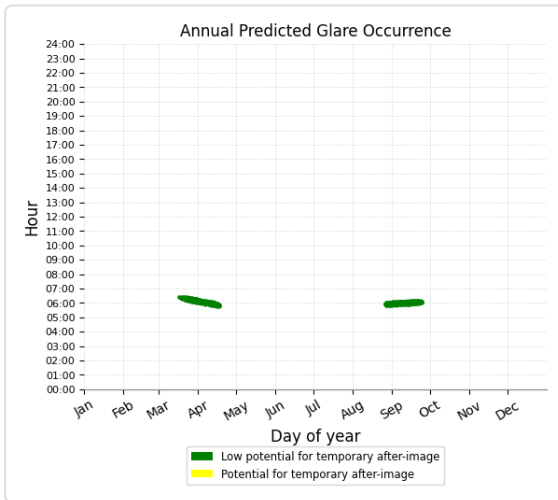
Green glare: 608 min.



PV array 5 and OP 5

Yellow glare: none

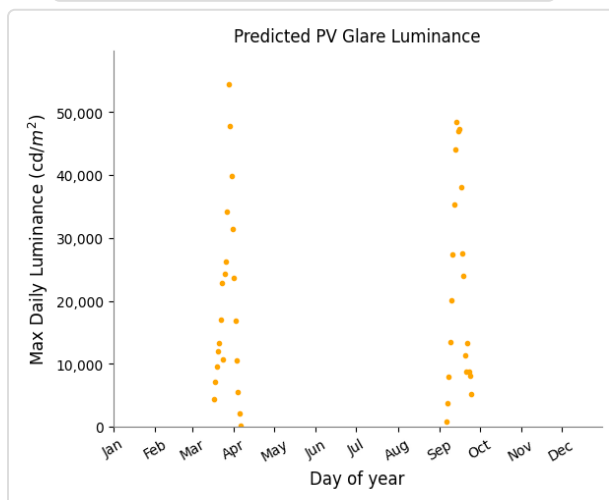
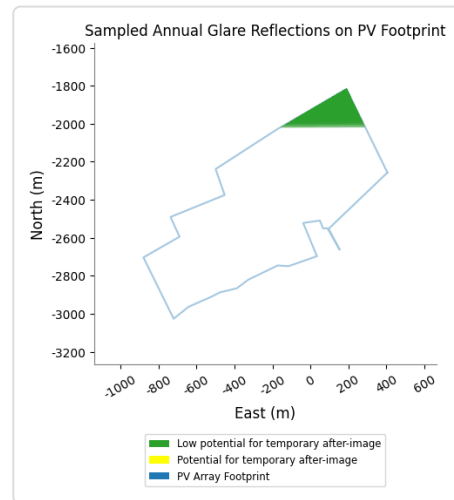
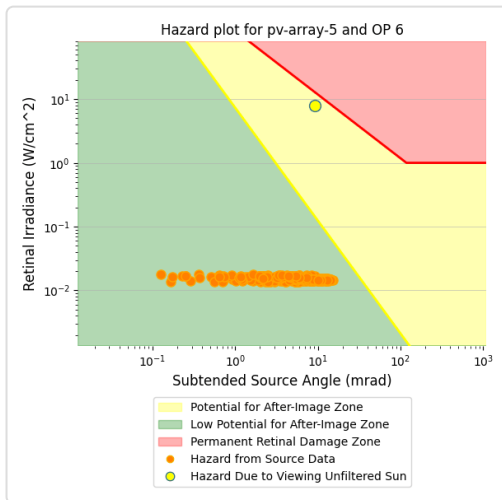
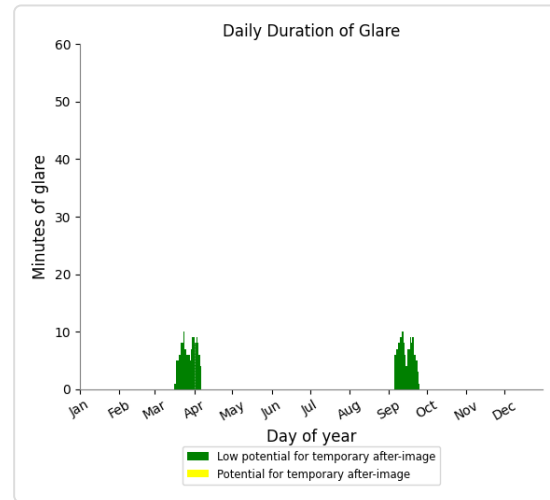
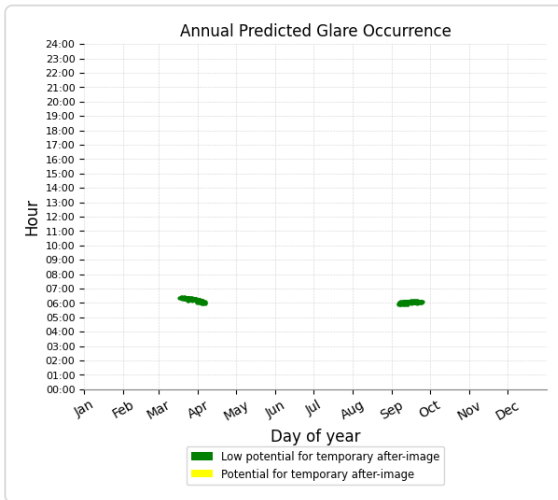
Green glare: 599 min.



PV array 5 and OP 6

Yellow glare: none

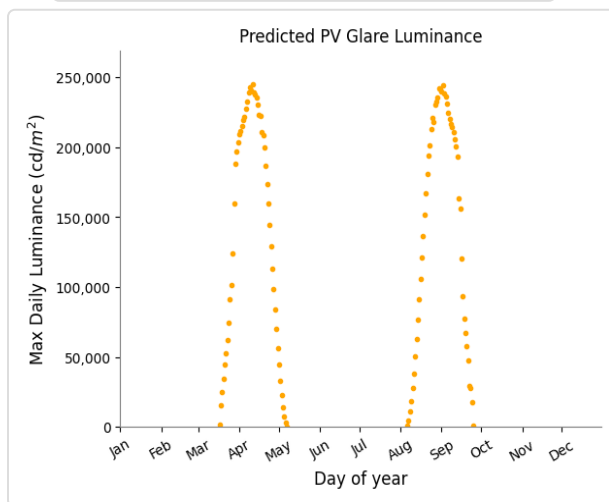
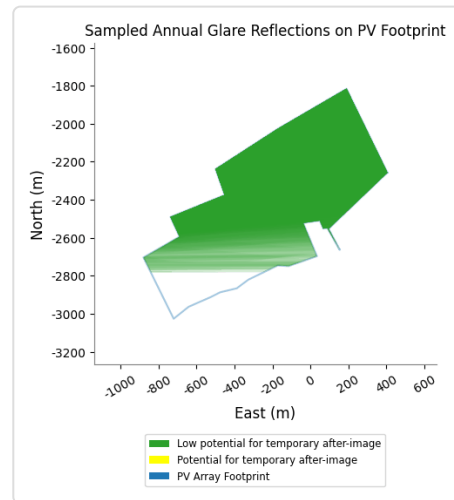
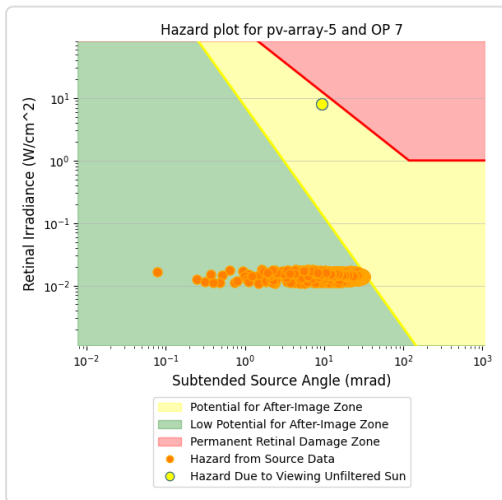
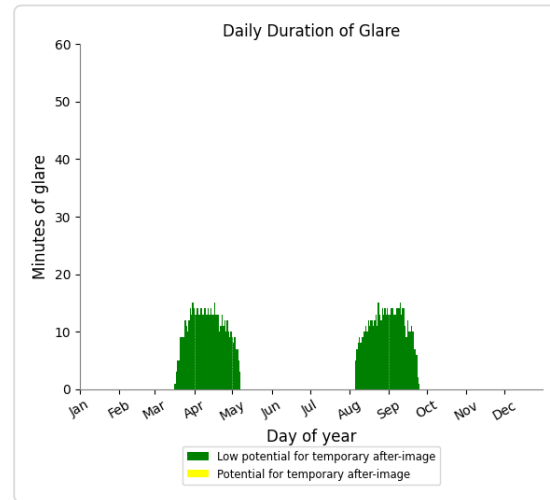
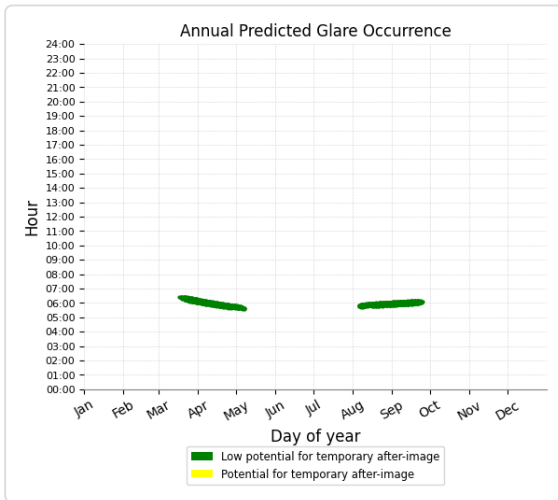
Green glare: 274 min.



PV array 5 and OP 7

Yellow glare: none

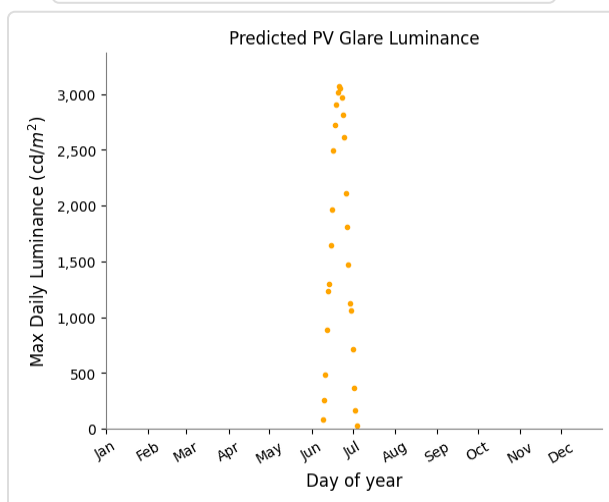
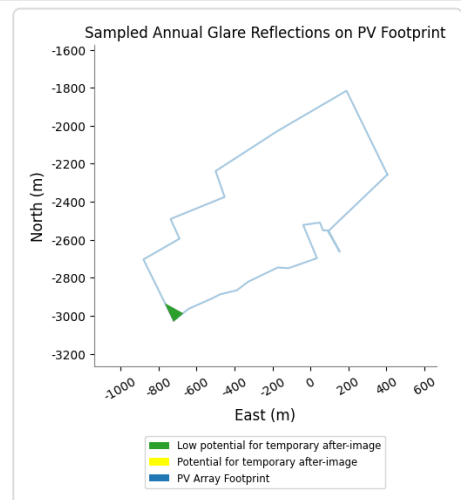
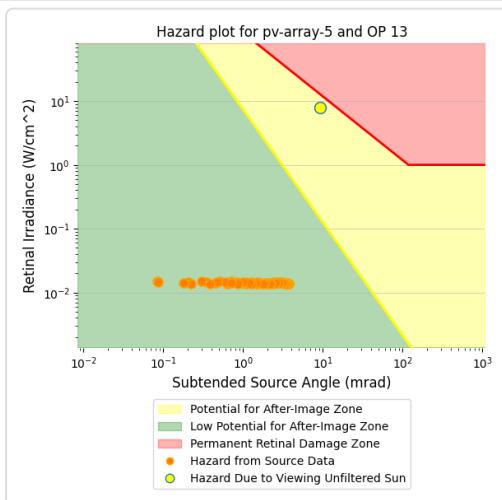
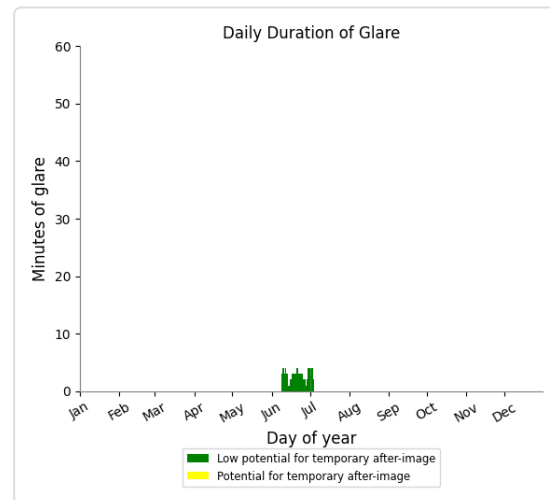
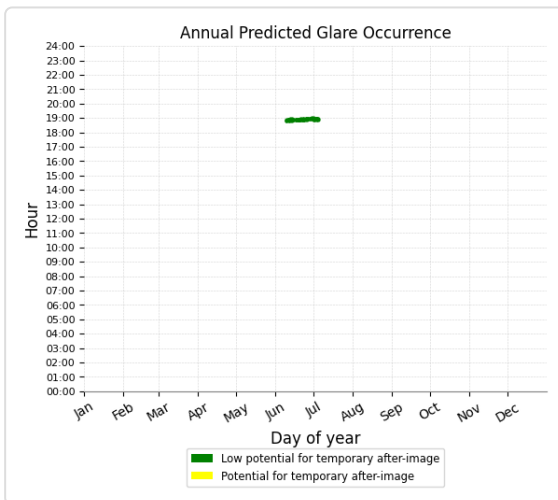
Green glare: 1,126 min.



PV array 5 and OP 13

Yellow glare: none

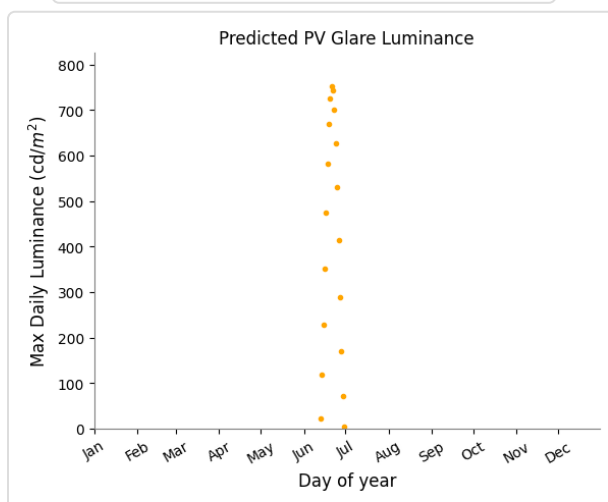
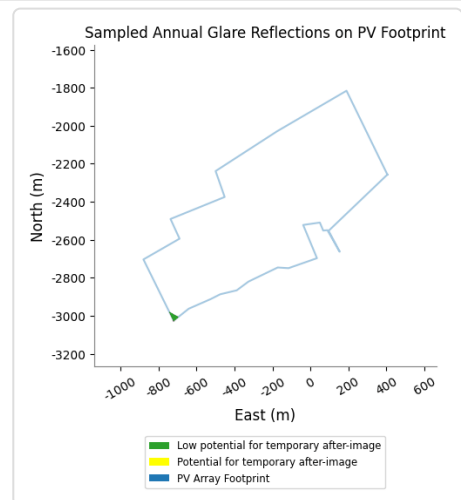
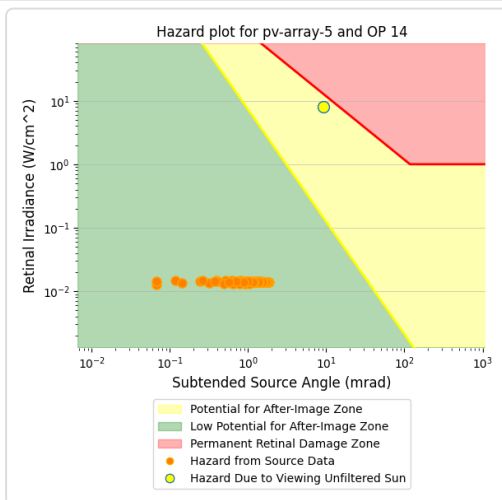
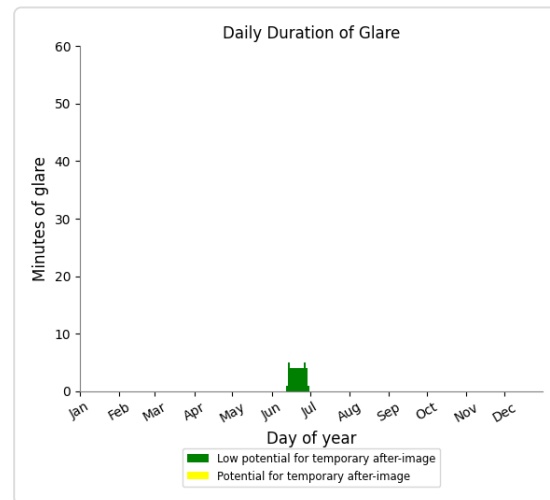
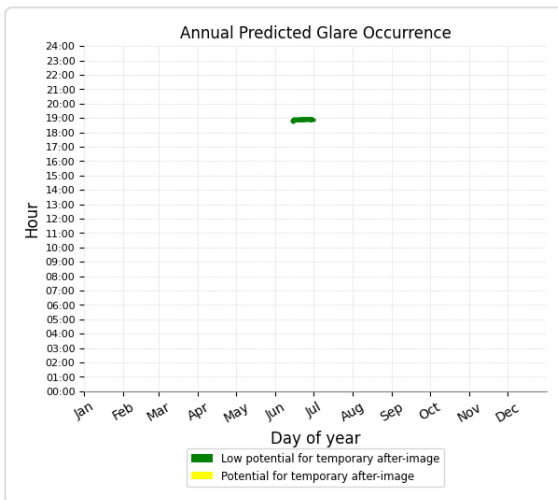
Green glare: 74 min.



PV array 5 and OP 14

Yellow glare: none

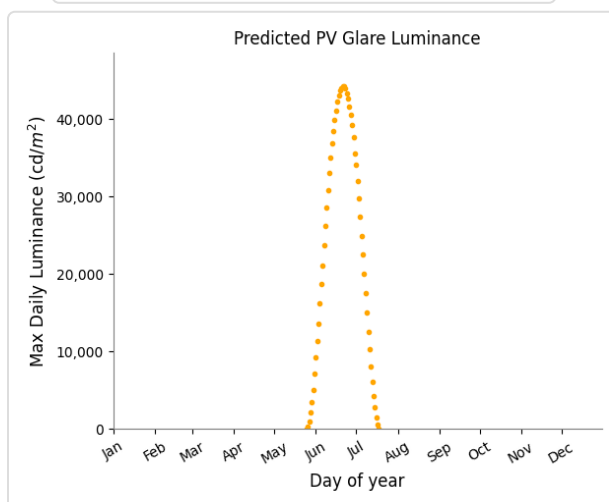
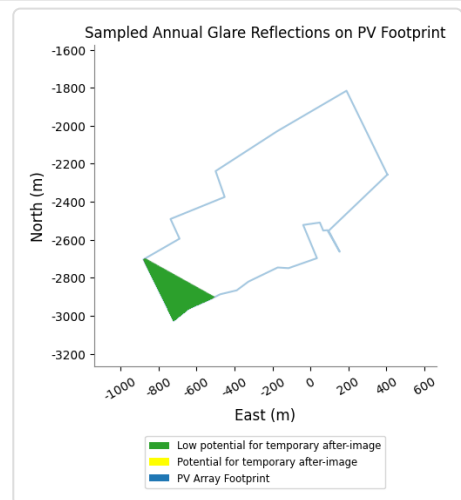
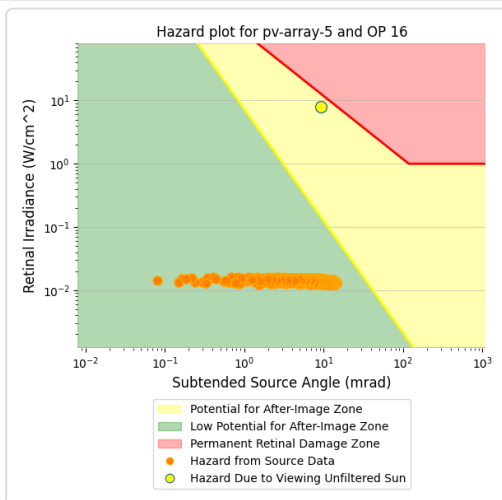
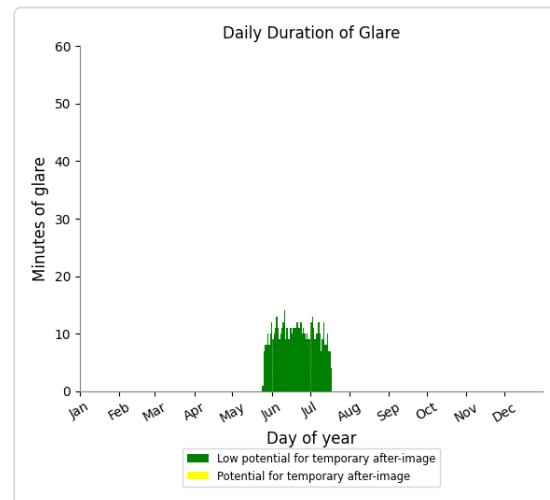
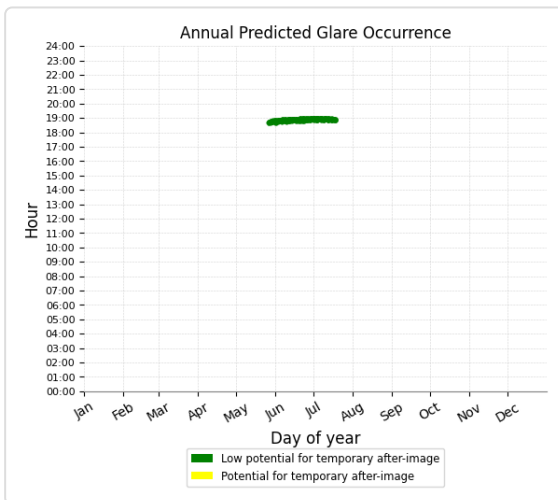
Green glare: 69 min.



PV array 5 and OP 16

Yellow glare: none

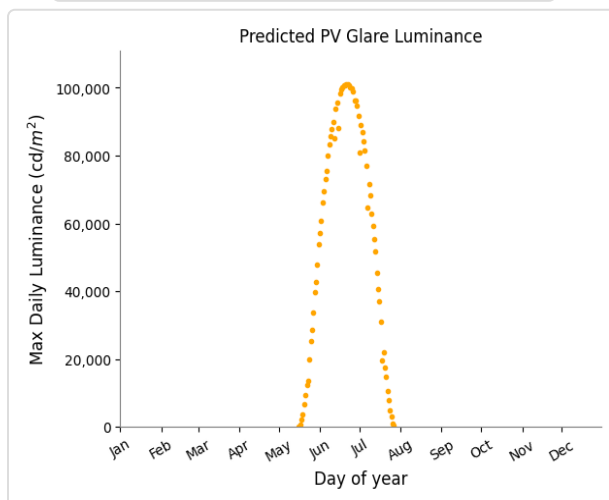
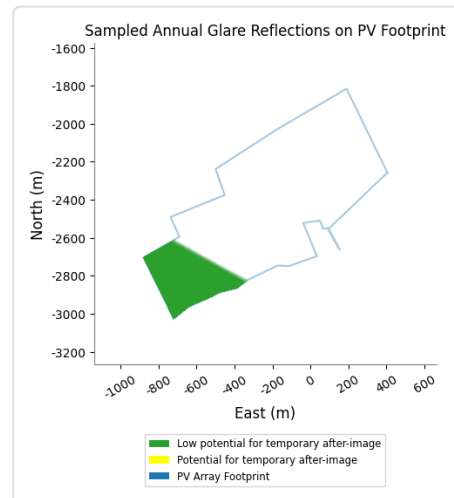
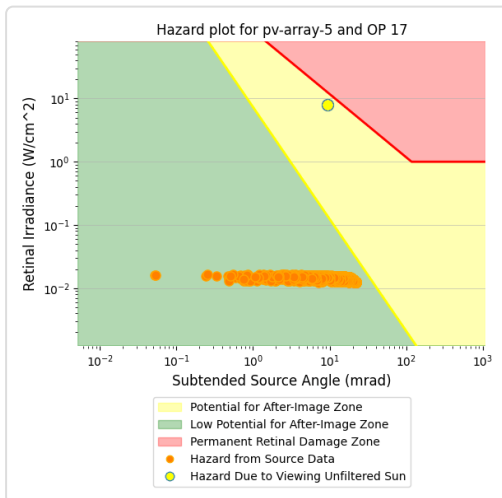
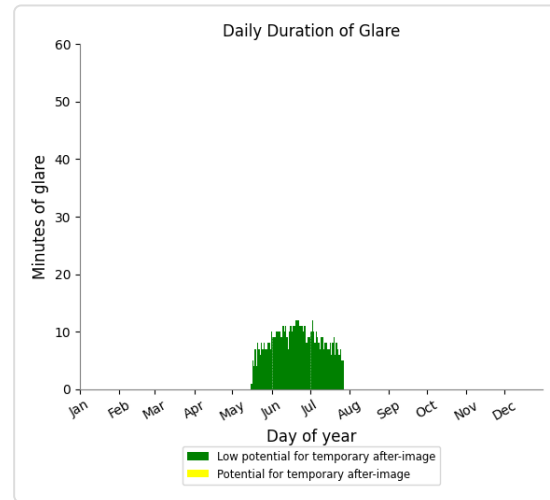
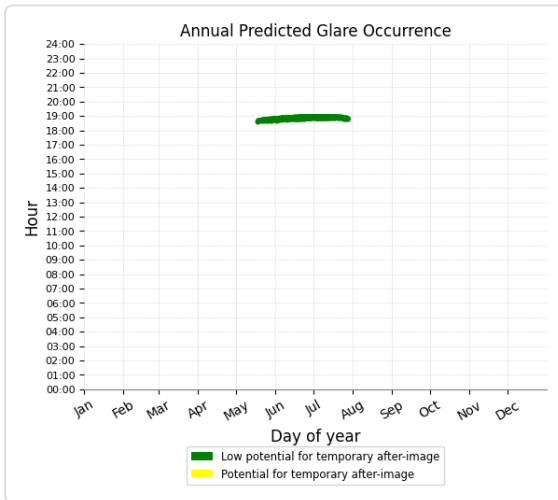
Green glare: 539 min.



PV array 5 and OP 17

Yellow glare: none

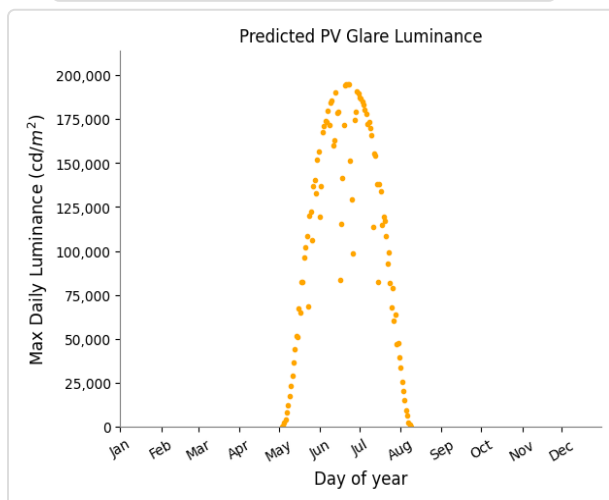
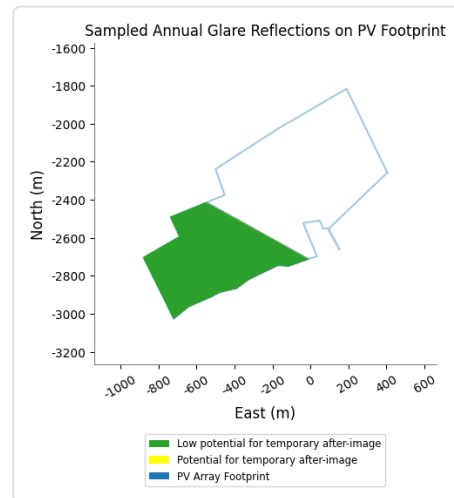
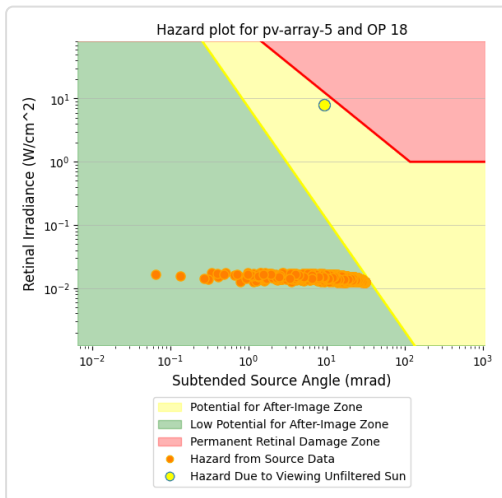
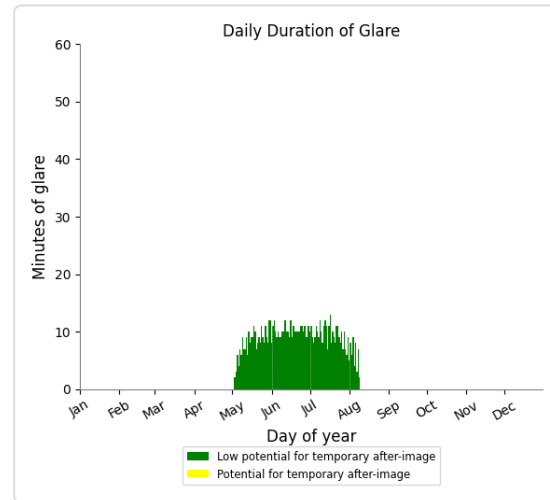
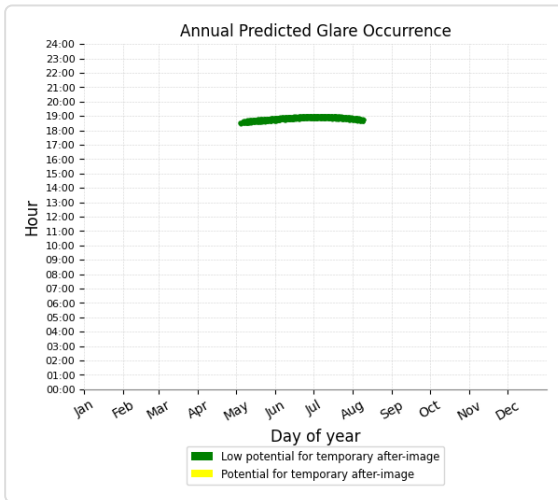
Green glare: 616 min.



PV array 5 and OP 18

Yellow glare: none

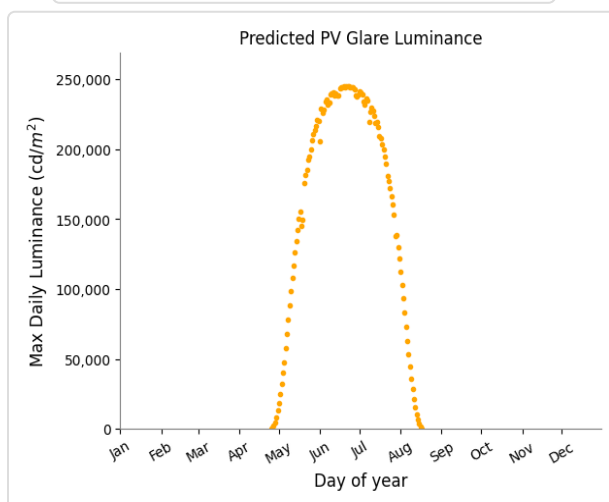
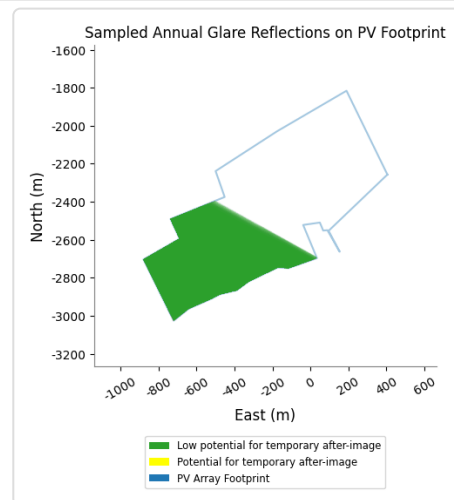
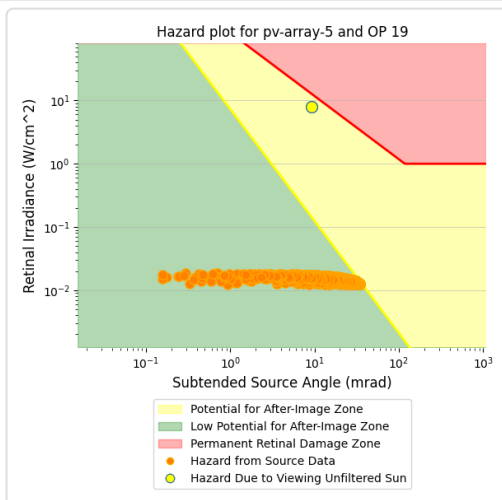
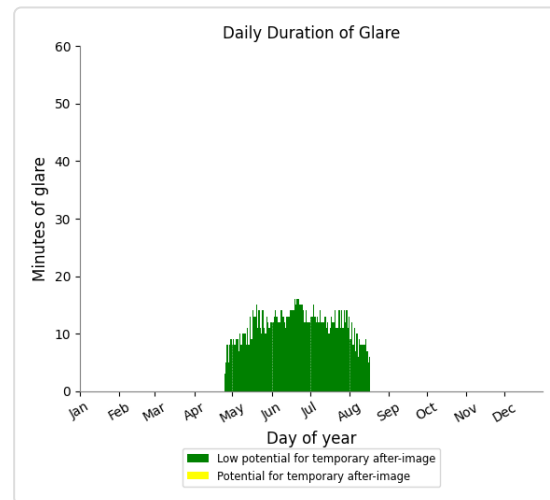
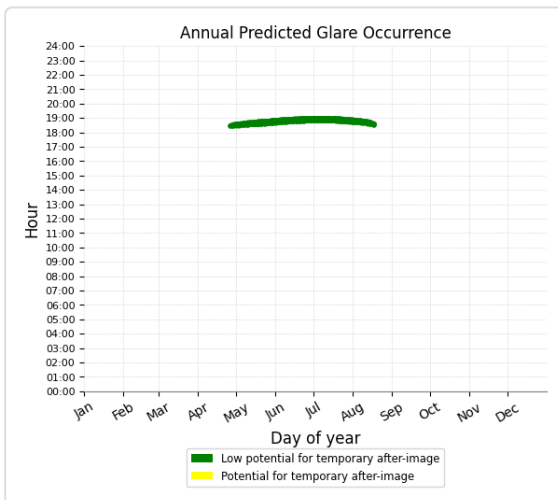
Green glare: 887 min.



PV array 5 and OP 19

Yellow glare: none

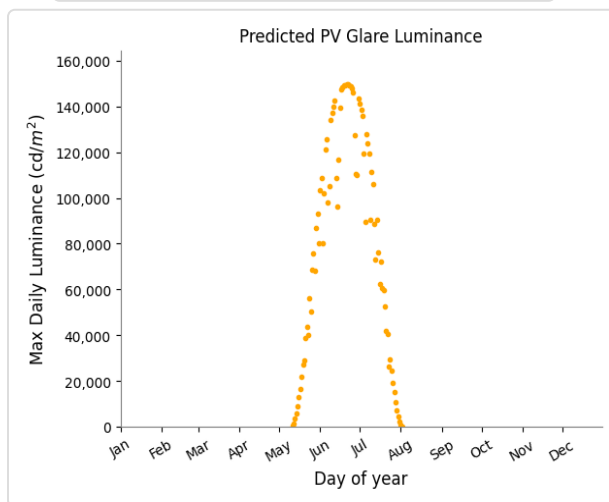
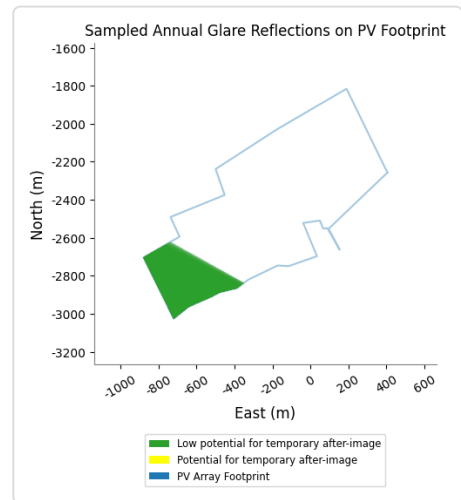
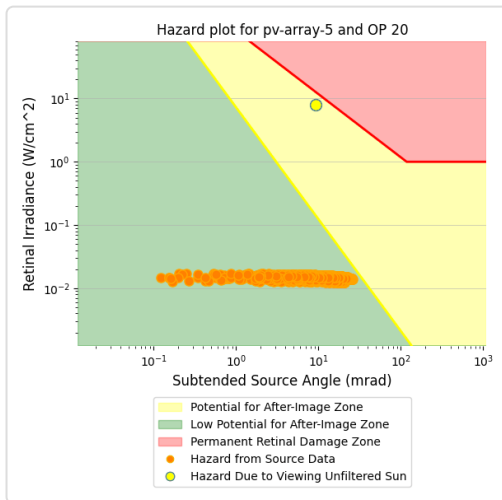
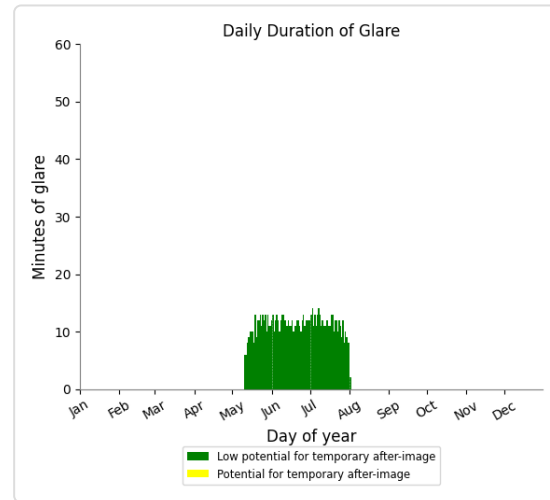
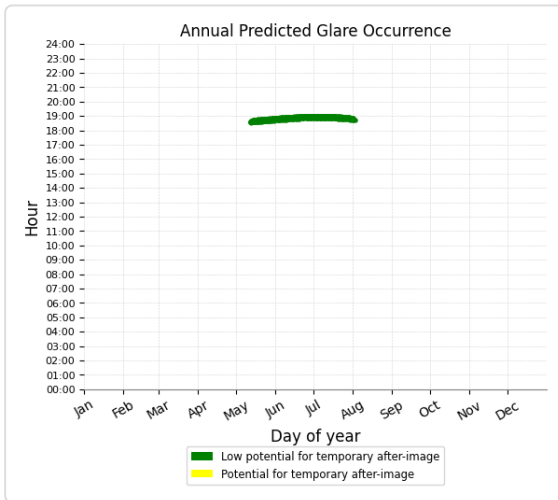
Green glare: 1,302 min.



PV array 5 and OP 20

Yellow glare: none

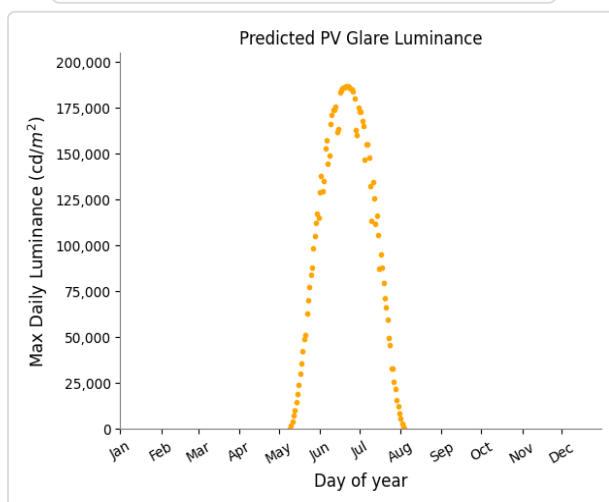
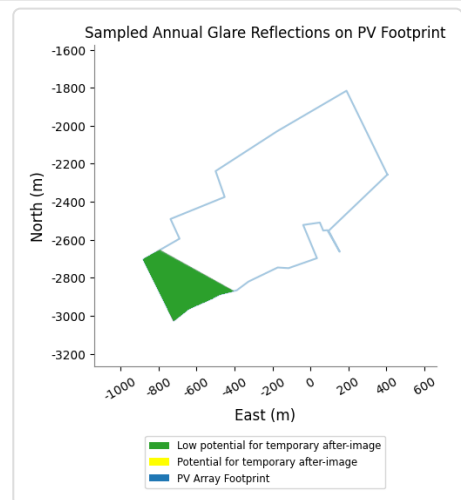
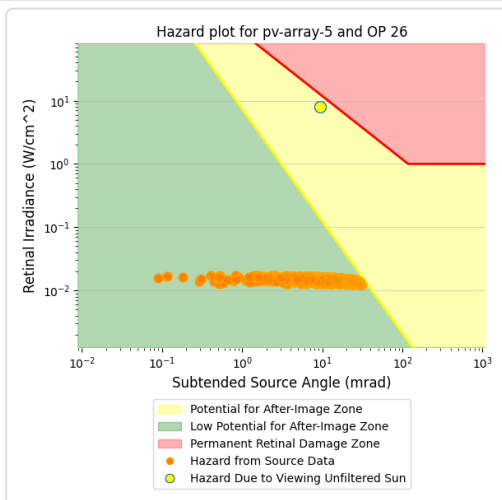
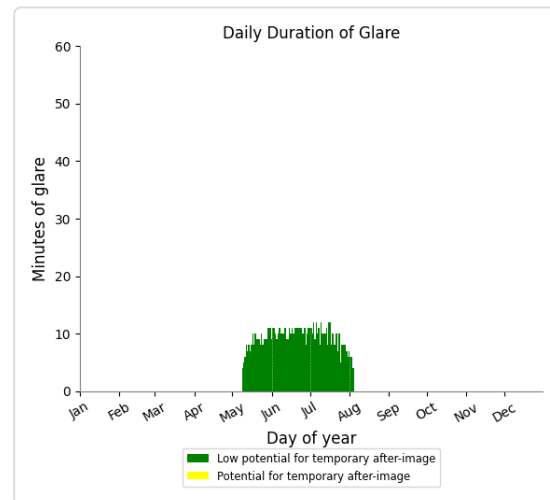
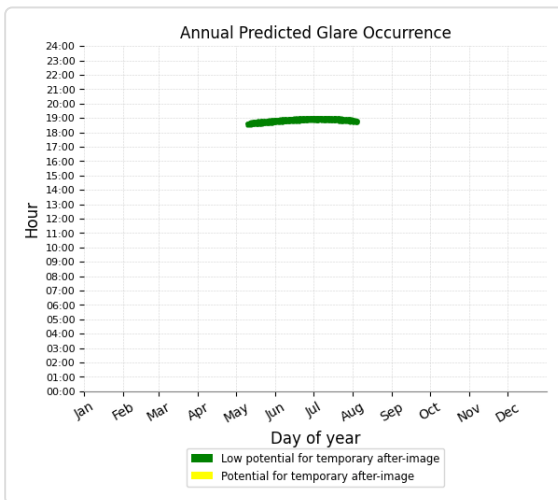
Green glare: 934 min.



PV array 5 and OP 26

Yellow glare: none

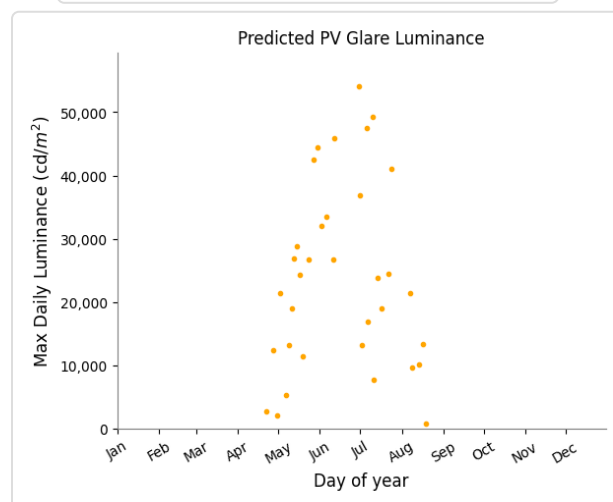
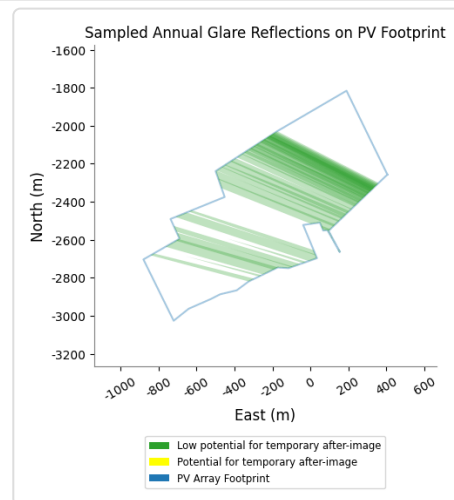
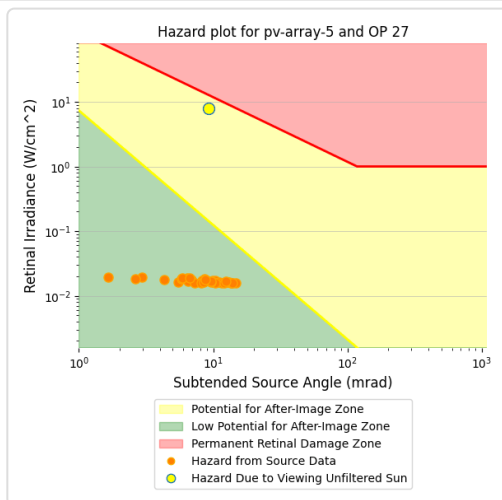
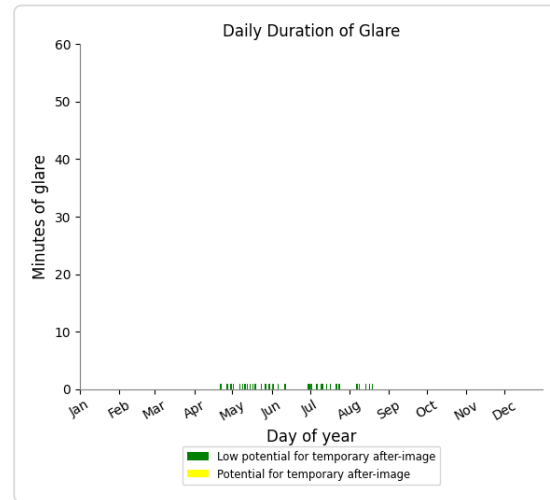
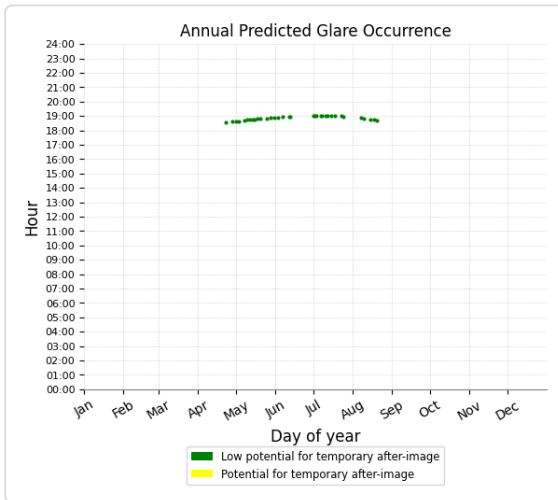
Green glare: 816 min.



PV array 5 and OP 27

Yellow glare: none

Green glare: 34 min.



PV array 5 and OP 2

No glare found

PV array 5 and OP 9

No glare found

PV array 5 and OP 10

No glare found

PV array 5 and OP 11

No glare found

PV array 5 and OP 12

No glare found

PV array 5 and OP 15

No glare found

PV array 5 and OP 21

No glare found

PV array 5 and OP 22

No glare found

PV array 5 and OP 23

No glare found

PV array 5 and OP 24

No glare found

PV array 5 and OP 25

No glare found

PV array 5 and OP 28

No glare found

PV array 5 and OP 29

No glare found

PV array 5 and OP 30

No glare found

PV array 5 and OP 31

No glare found

PV array 5 and OP 32

No glare found

PV array 5 and OP 33

No glare found

PV array 5 and OP 34

No glare found

PV array 5 and OP 35

No glare found

PV array 5 and OP 36

No glare found

PV array 5 and OP 37

No glare found

PV array 5 and OP 38

No glare found

PV array 5 and OP 39

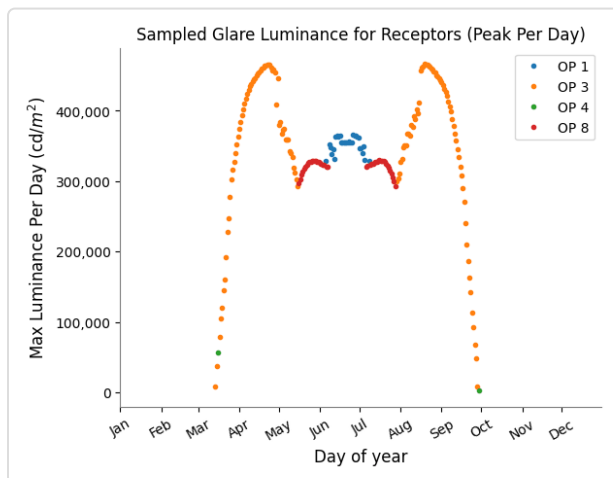
No glare found

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
OP 1	1,507	25.1	329	5.5	366,245
OP 3	1,802	30.0	1,547	25.8	466,324
OP 4	1,430	23.8	1,284	21.4	433,889
OP 5	1,360	22.7	402	6.7	321,018
OP 7	2,164	36.1	533	8.9	320,648
OP 8	1,155	19.2	867	14.4	329,546
OP 6	1,144	19.1	0	0.0	257,612
OP 18	78	1.3	0	0.0	6,845
OP 19	182	3.0	0	0.0	20,775
OP 27	939	15.7	0	0.0	237,779
OP 35	138	2.3	0	0.0	81,623
OP 2	0	0.0	0	0.0	0
OP 9	0	0.0	0	0.0	0
OP 10	0	0.0	0	0.0	0
OP 11	0	0.0	0	0.0	0
OP 12	0	0.0	0	0.0	0
OP 13	0	0.0	0	0.0	0
OP 14	0	0.0	0	0.0	0
OP 15	0	0.0	0	0.0	0
OP 16	0	0.0	0	0.0	0
OP 17	0	0.0	0	0.0	0
OP 20	0	0.0	0	0.0	0
OP 21	0	0.0	0	0.0	0
OP 22	0	0.0	0	0.0	0
OP 23	0	0.0	0	0.0	0
OP 24	0	0.0	0	0.0	0
OP 25	0	0.0	0	0.0	0
OP 26	0	0.0	0	0.0	0
OP 28	0	0.0	0	0.0	0
OP 29	0	0.0	0	0.0	0
OP 30	0	0.0	0	0.0	0
OP 31	0	0.0	0	0.0	0
OP 32	0	0.0	0	0.0	0
OP 33	0	0.0	0	0.0	0
OP 34	0	0.0	0	0.0	0
OP 36	0	0.0	0	0.0	0
OP 37	0	0.0	0	0.0	0
OP 38	0	0.0	0	0.0	0

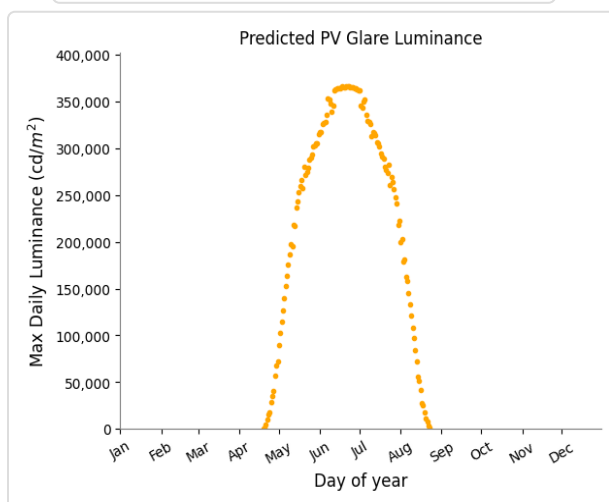
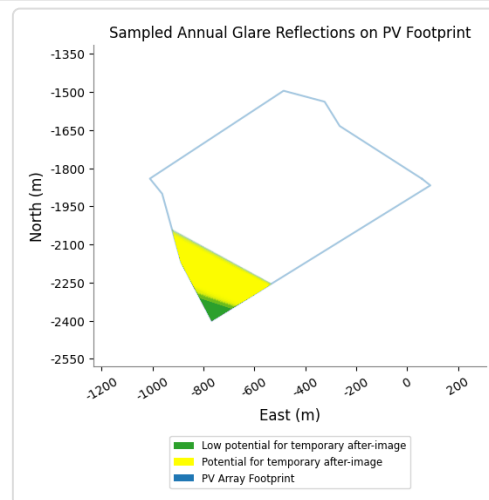
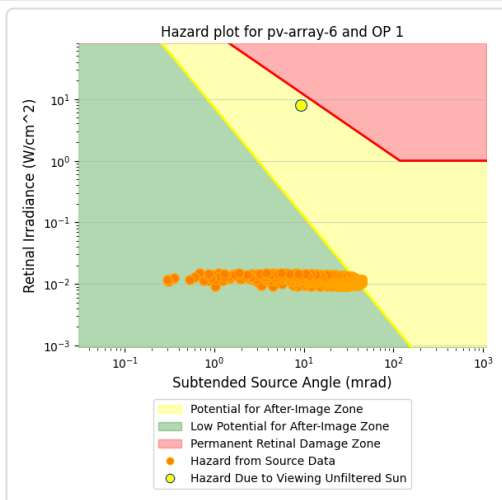
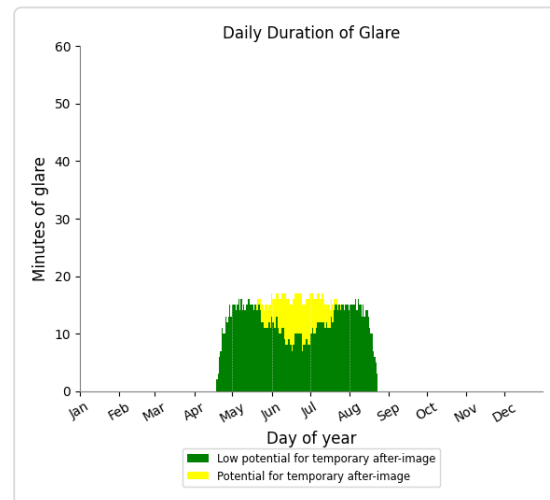
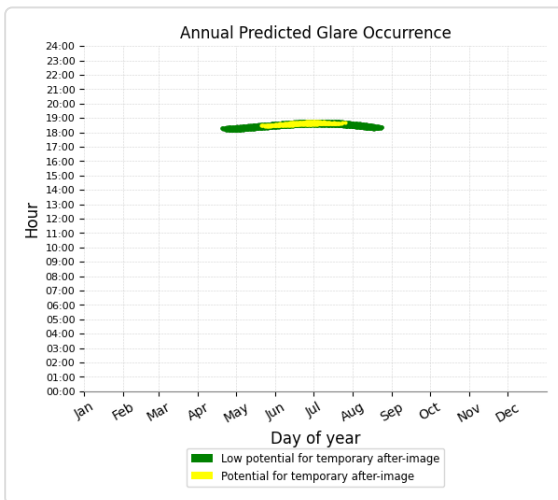
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
OP 39	0	0.0	0	0.0	0



PV array 6 and OP 1

Yellow glare: 329 min.

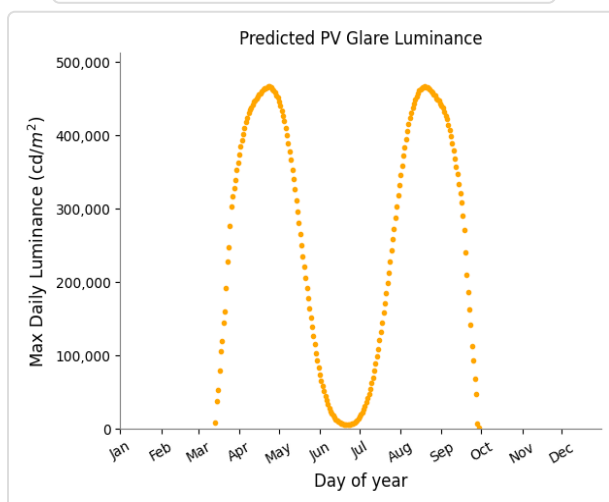
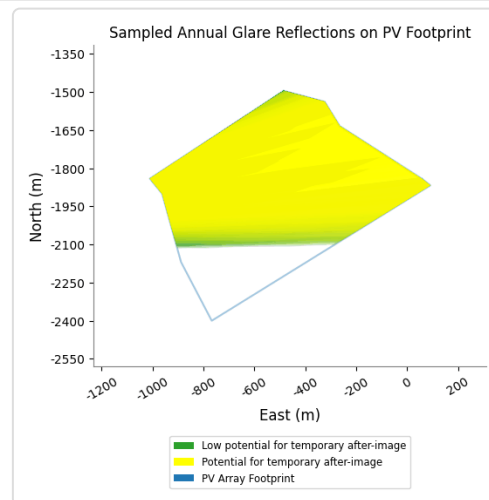
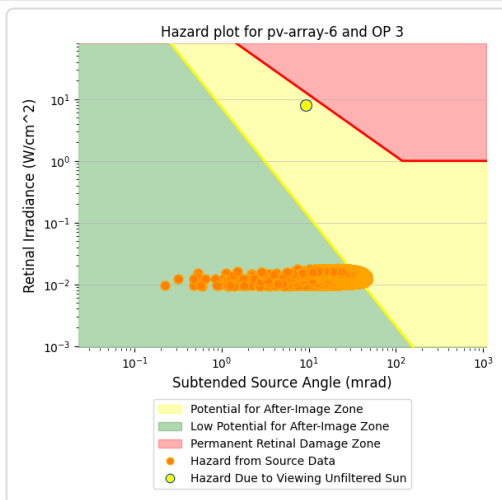
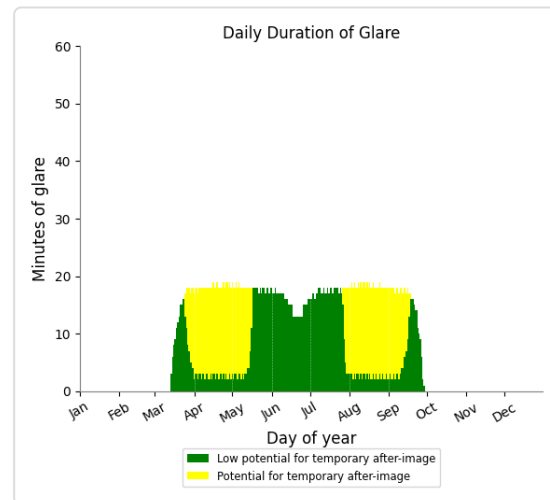
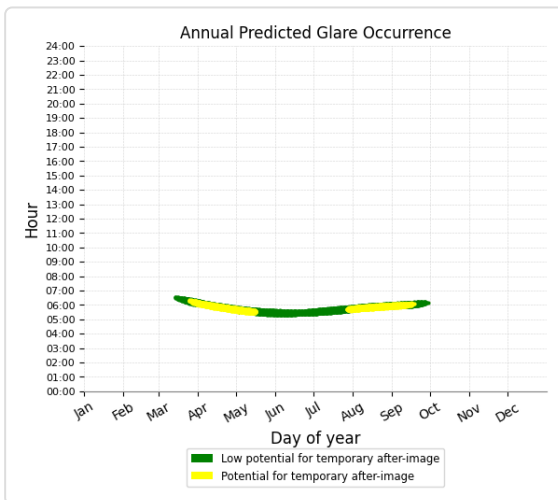
Green glare: 1,507 min.



PV array 6 and OP 3

Yellow glare: 1,547 min.

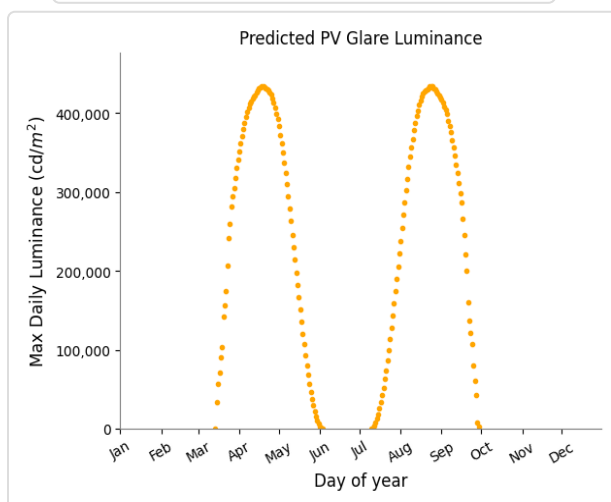
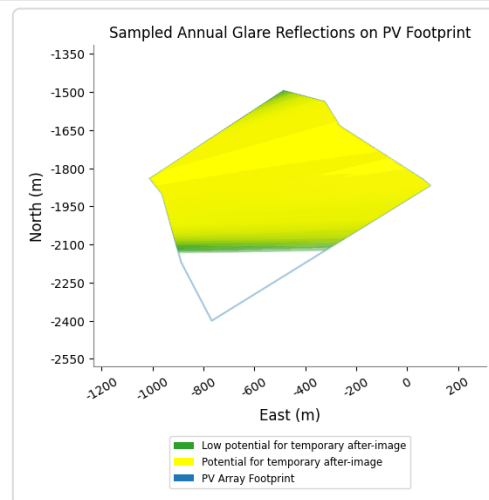
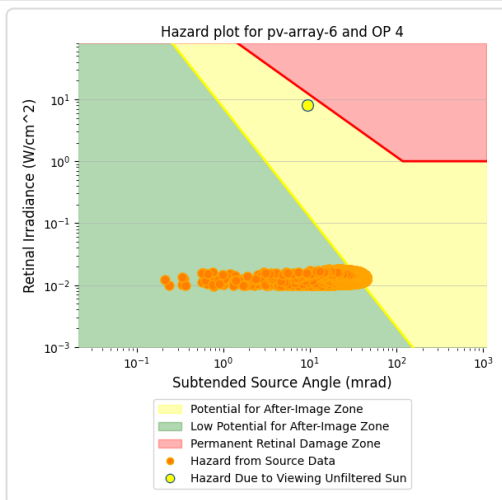
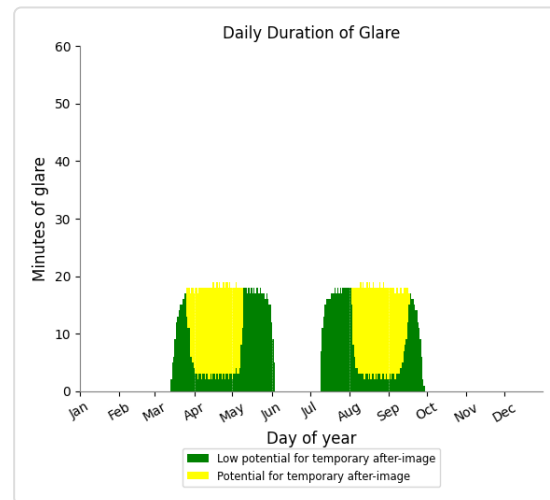
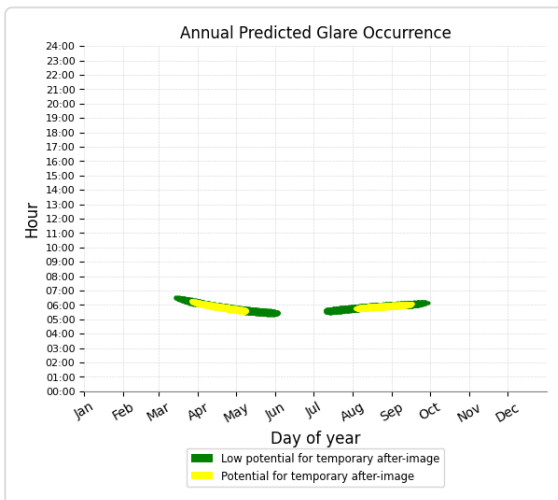
Green glare: 1,802 min.



PV array 6 and OP 4

Yellow glare: 1,284 min.

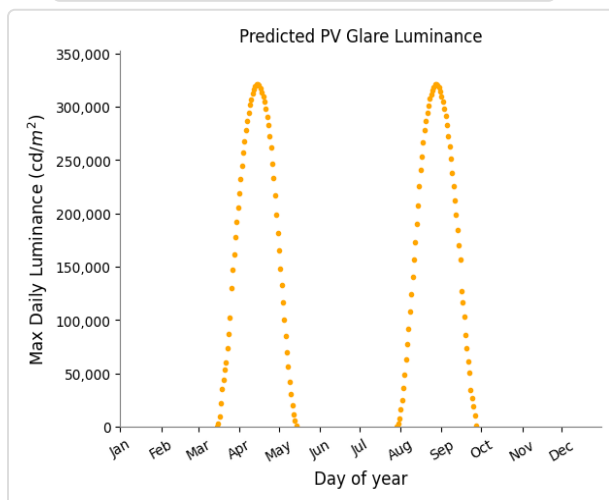
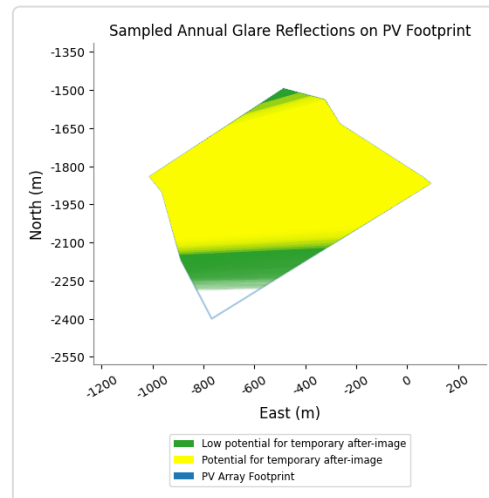
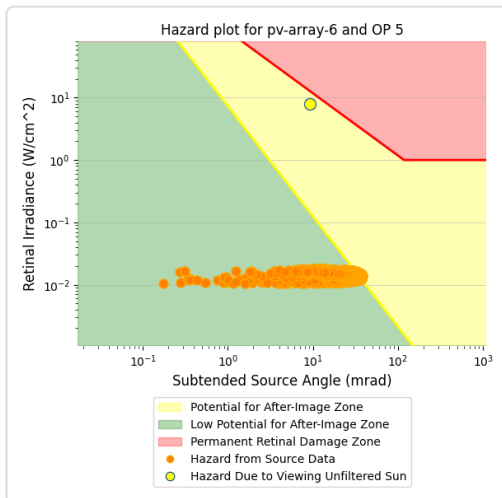
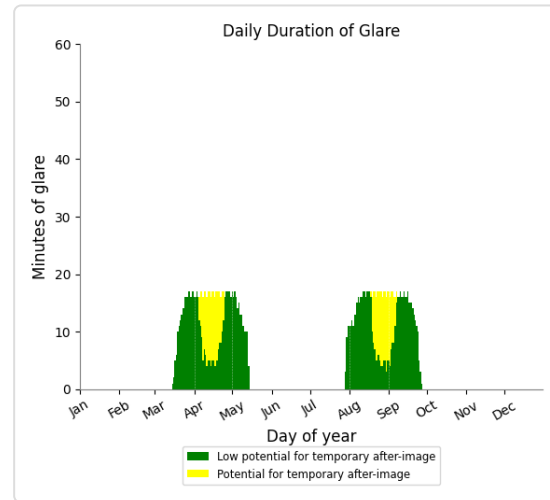
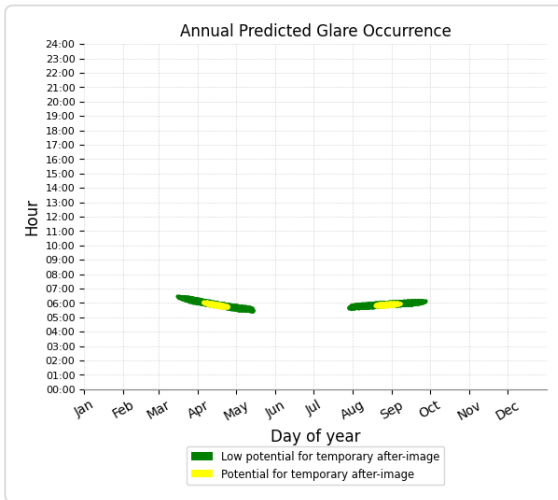
Green glare: 1,430 min.



PV array 6 and OP 5

Yellow glare: 402 min.

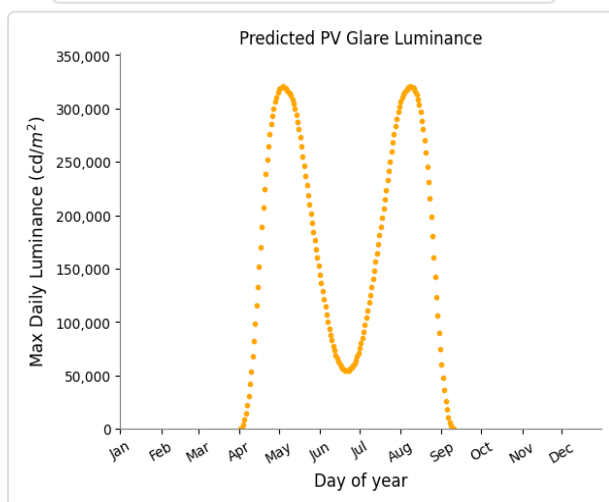
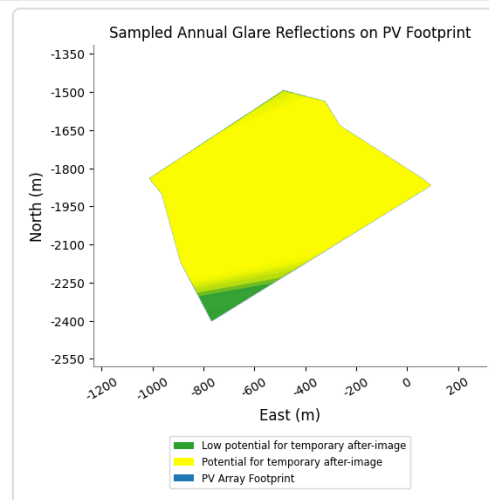
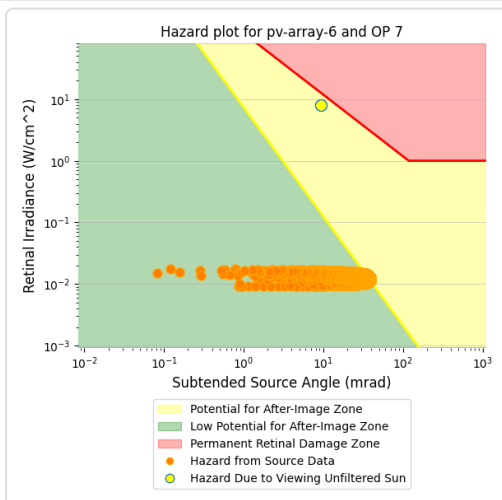
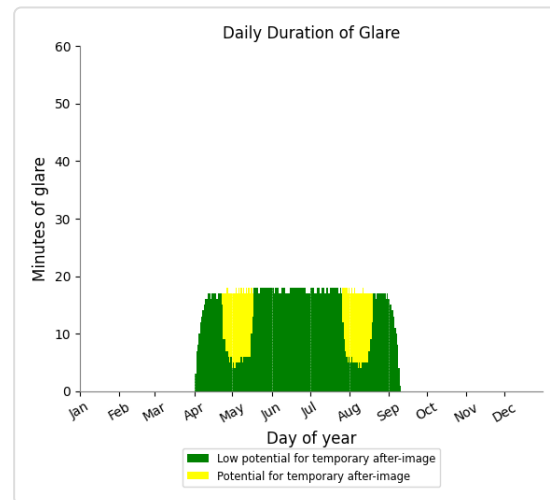
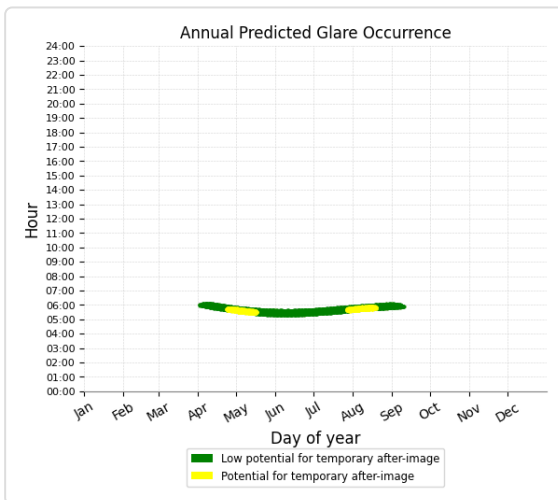
Green glare: 1,360 min.



PV array 6 and OP 7

Yellow glare: 533 min.

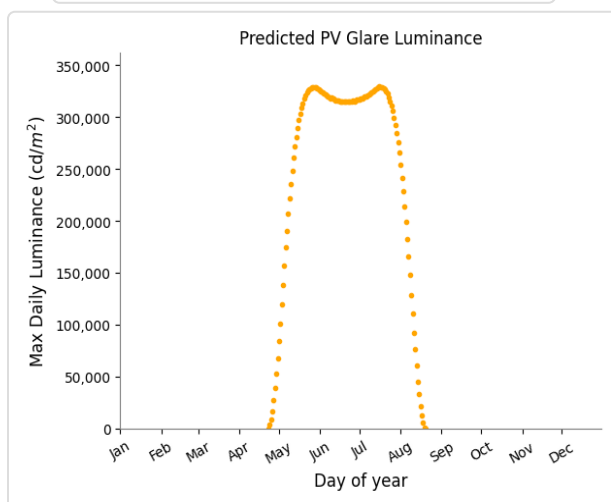
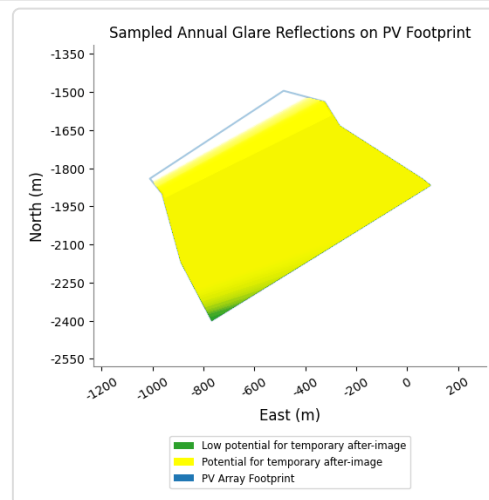
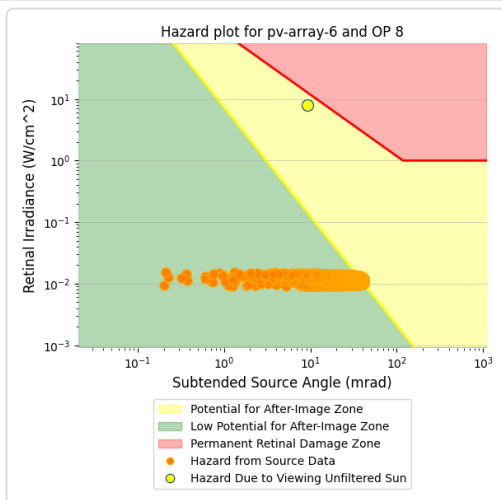
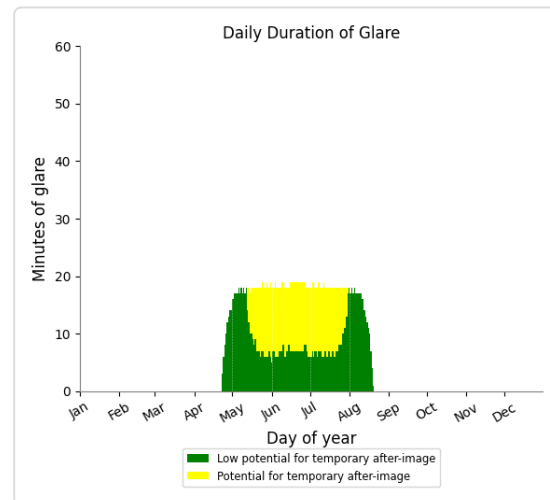
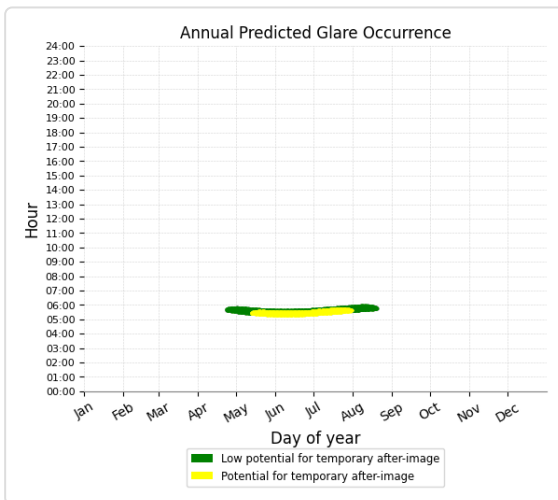
Green glare: 2,164 min.



PV array 6 and OP 8

Yellow glare: 867 min.

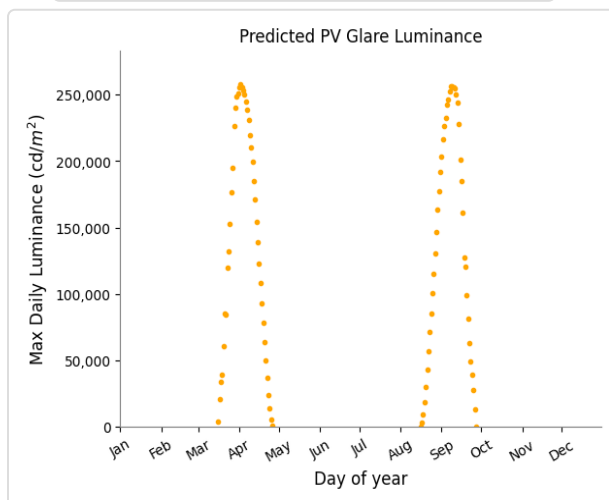
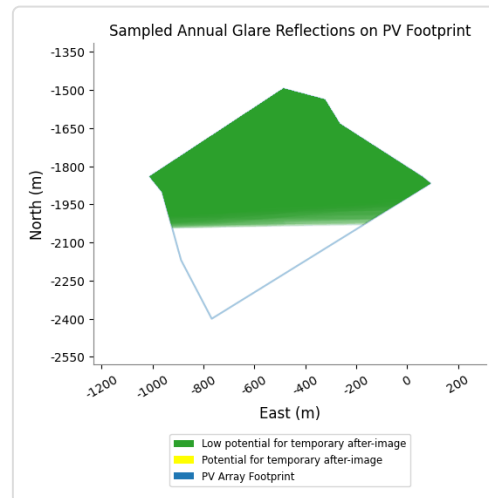
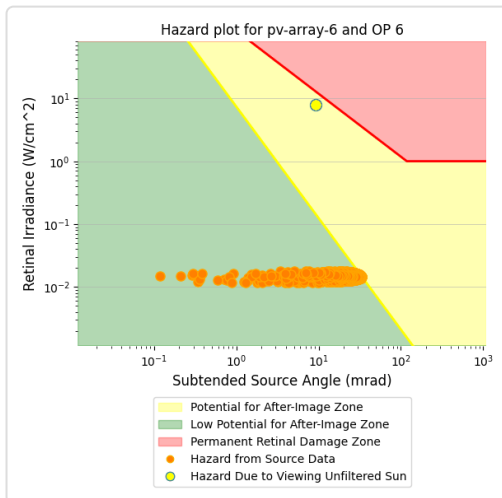
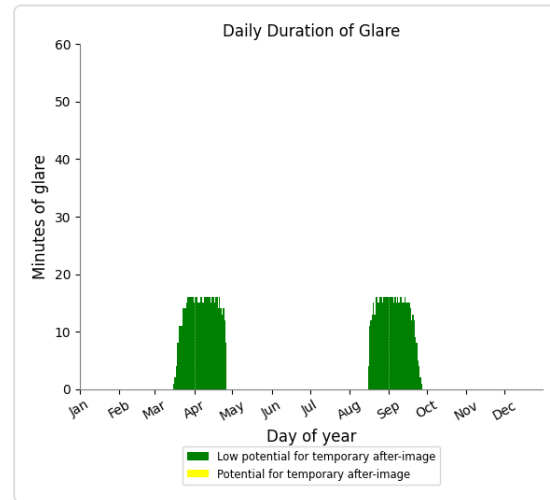
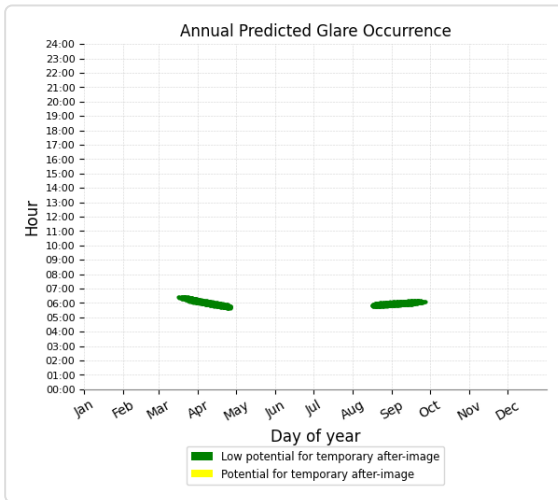
Green glare: 1,155 min.



PV array 6 and OP 6

Yellow glare: none

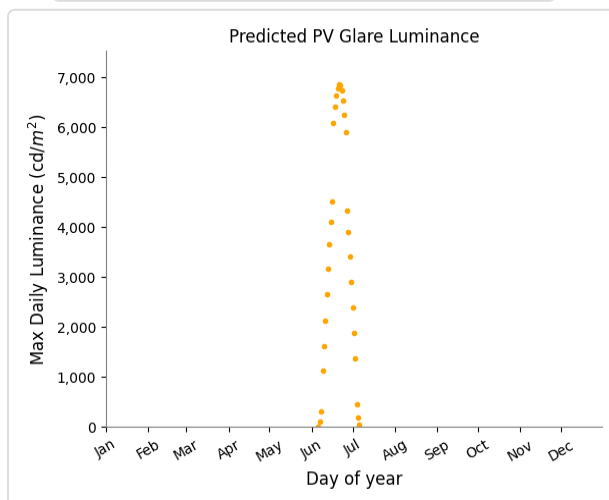
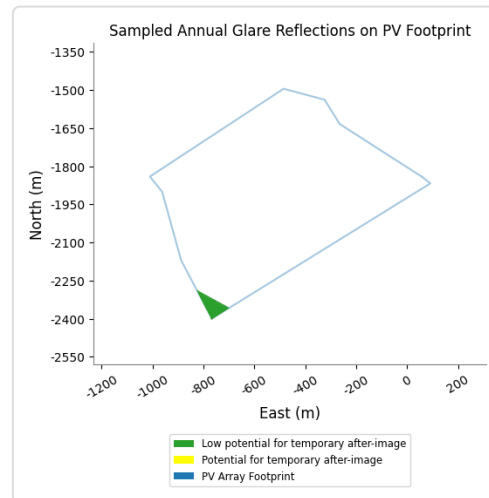
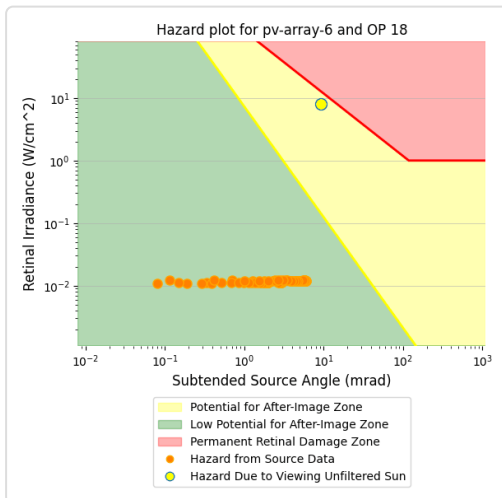
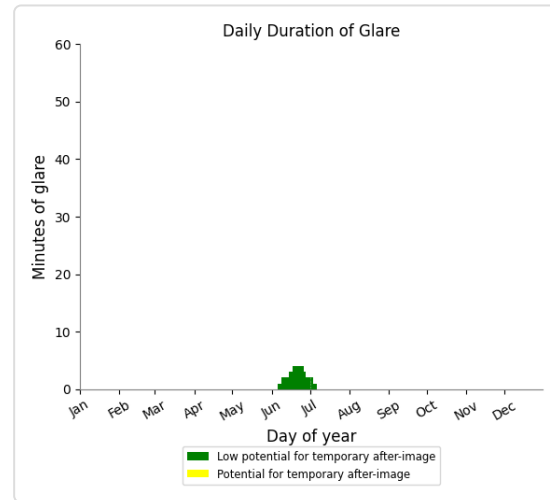
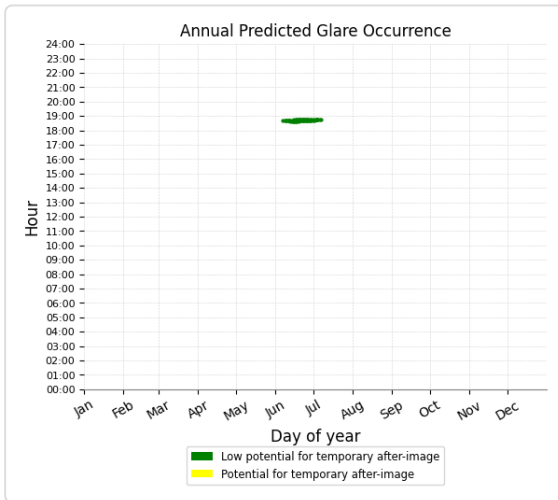
Green glare: 1,144 min.



PV array 6 and OP 18

Yellow glare: none

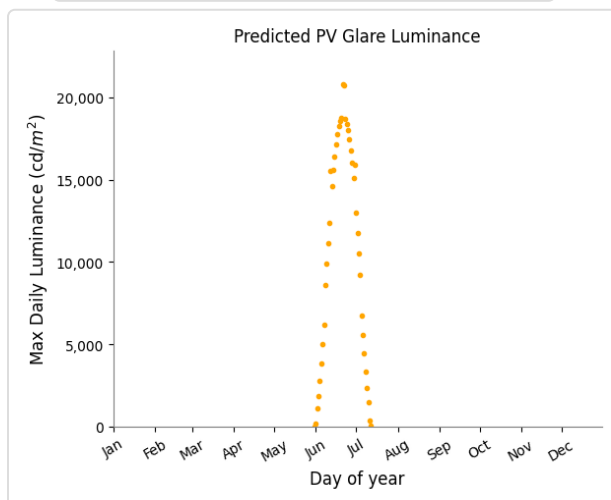
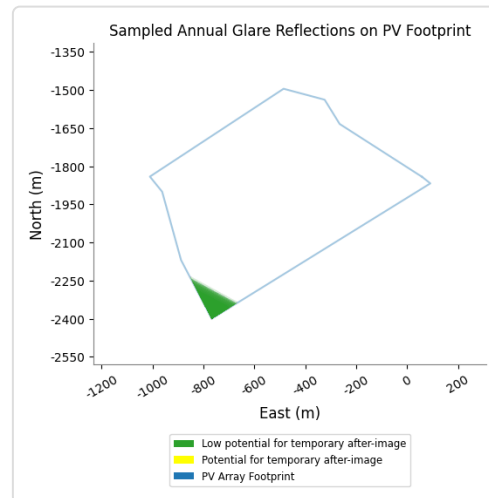
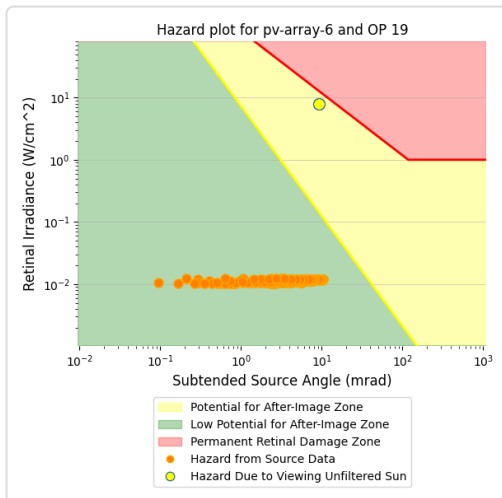
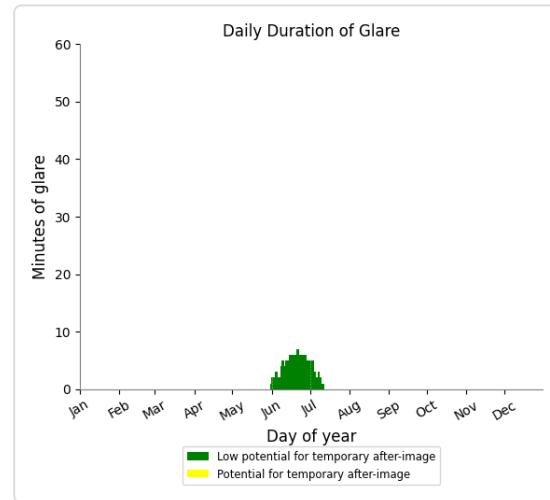
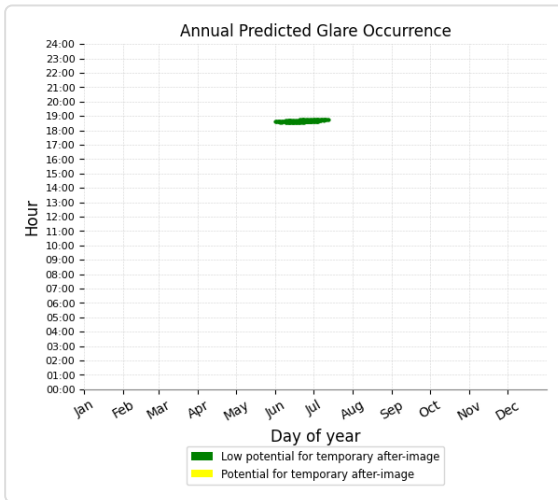
Green glare: 78 min.



PV array 6 and OP 19

Yellow glare: none

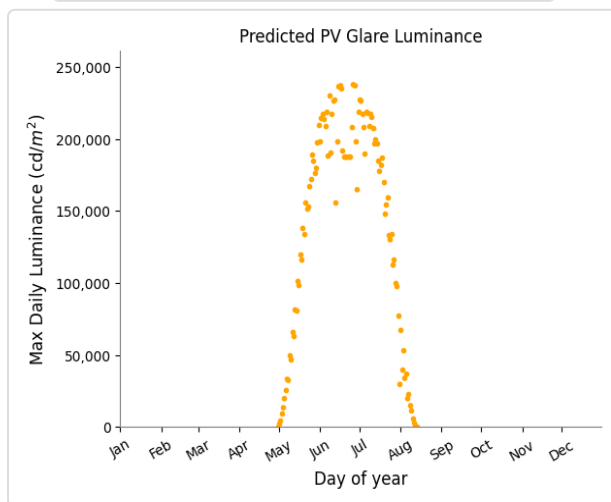
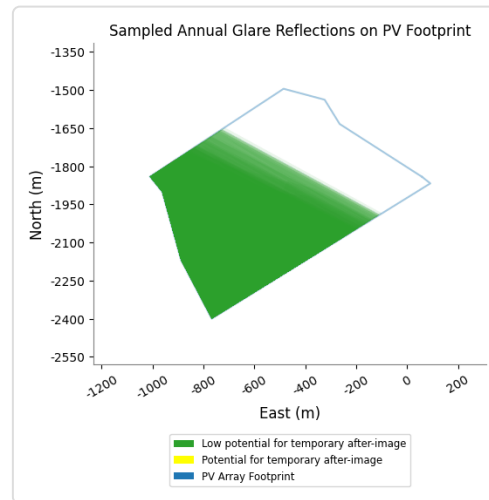
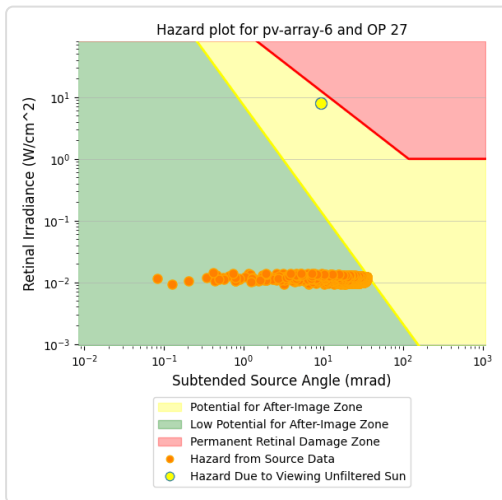
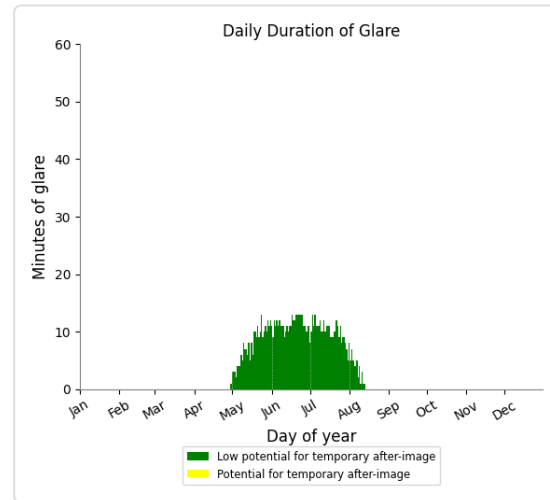
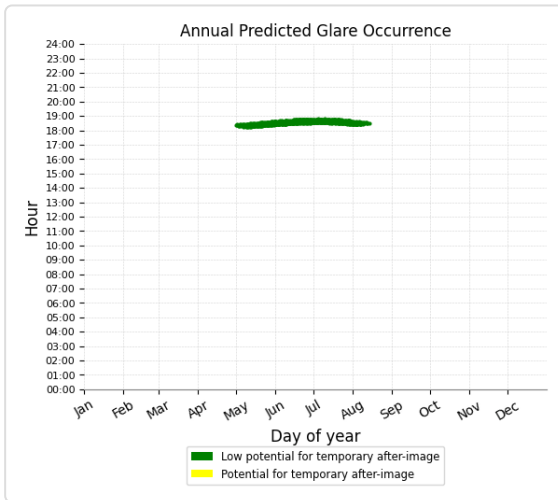
Green glare: 182 min.



PV array 6 and OP 27

Yellow glare: none

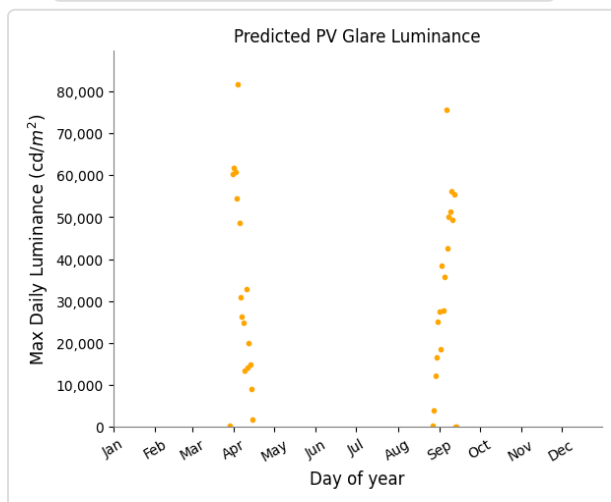
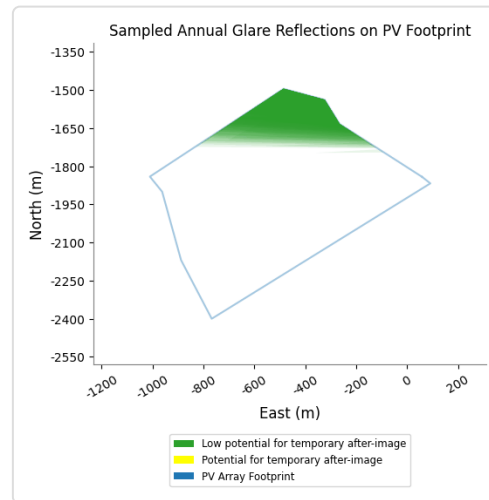
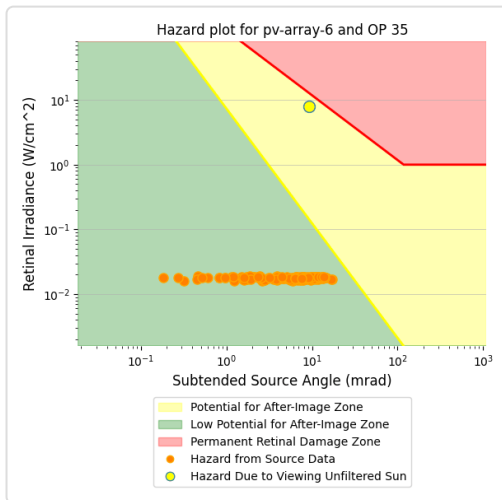
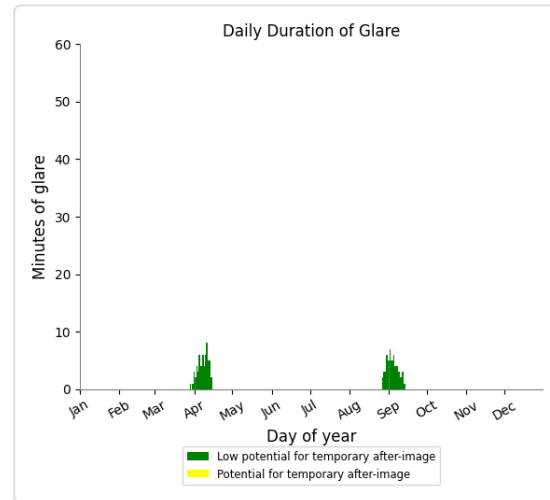
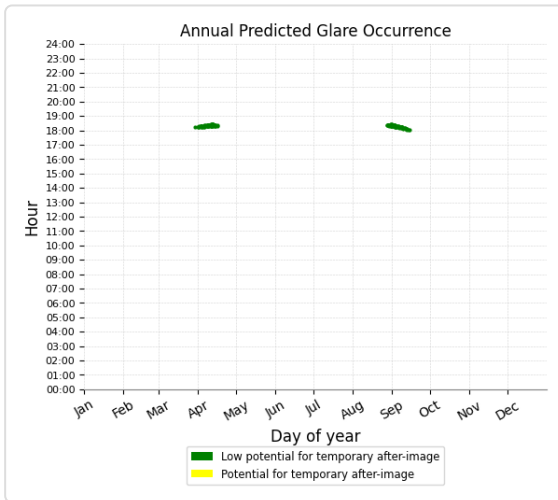
Green glare: 939 min.



PV array 6 and OP 35

Yellow glare: none

Green glare: 138 min.



PV array 6 and OP 2

No glare found

PV array 6 and OP 9

No glare found

PV array 6 and OP 10

No glare found

PV array 6 and OP 11

No glare found

PV array 6 and OP 12

No glare found

PV array 6 and OP 13

No glare found

PV array 6 and OP 14

No glare found

PV array 6 and OP 15

No glare found

PV array 6 and OP 16

No glare found

PV array 6 and OP 17

No glare found

PV array 6 and OP 20

No glare found

PV array 6 and OP 21

No glare found

PV array 6 and OP 22

No glare found

PV array 6 and OP 23

No glare found

PV array 6 and OP 24

No glare found

PV array 6 and OP 25

No glare found

PV array 6 and OP 26

No glare found

PV array 6 and OP 28

No glare found

PV array 6 and OP 29

No glare found

PV array 6 and OP 30

No glare found

PV array 6 and OP 31

No glare found

PV array 6 and OP 32

No glare found

PV array 6 and OP 33

No glare found

PV array 6 and OP 34

No glare found

PV array 6 and OP 36

No glare found

PV array 6 and OP 37

No glare found

PV array 6 and OP 38

No glare found

PV array 6 and OP 39

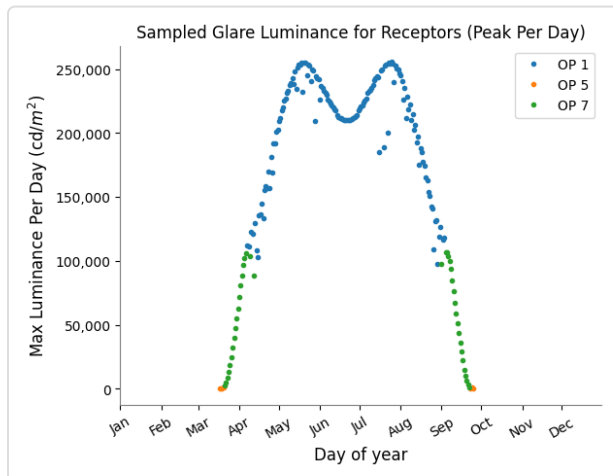
No glare found

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
OP 1	1,972	32.9	0	0.0	255,463
OP 5	50	0.8	0	0.0	2,105
OP 7	948	15.8	0	0.0	106,661
OP 8	811	13.5	0	0.0	139,839
OP 16	54	0.9	0	0.0	144
OP 17	320	5.3	0	0.0	25,358
OP 18	819	13.7	0	0.0	61,763
OP 19	1,115	18.6	0	0.0	89,341
OP 20	493	8.2	0	0.0	35,158
OP 26	447	7.5	0	0.0	23,344
OP 27	780	13.0	0	0.0	75,189
OP 28	228	3.8	0	0.0	38,450
OP 36	22	0.4	0	0.0	18,230
OP 2	0	0.0	0	0.0	0
OP 3	0	0.0	0	0.0	0
OP 4	0	0.0	0	0.0	0
OP 6	0	0.0	0	0.0	0
OP 9	0	0.0	0	0.0	0
OP 10	0	0.0	0	0.0	0
OP 11	0	0.0	0	0.0	0
OP 12	0	0.0	0	0.0	0
OP 13	0	0.0	0	0.0	0
OP 14	0	0.0	0	0.0	0
OP 15	0	0.0	0	0.0	0
OP 21	0	0.0	0	0.0	0
OP 22	0	0.0	0	0.0	0
OP 23	0	0.0	0	0.0	0
OP 24	0	0.0	0	0.0	0
OP 25	0	0.0	0	0.0	0
OP 29	0	0.0	0	0.0	0
OP 30	0	0.0	0	0.0	0
OP 31	0	0.0	0	0.0	0
OP 32	0	0.0	0	0.0	0
OP 33	0	0.0	0	0.0	0
OP 34	0	0.0	0	0.0	0
OP 35	0	0.0	0	0.0	0
OP 37	0	0.0	0	0.0	0
OP 38	0	0.0	0	0.0	0

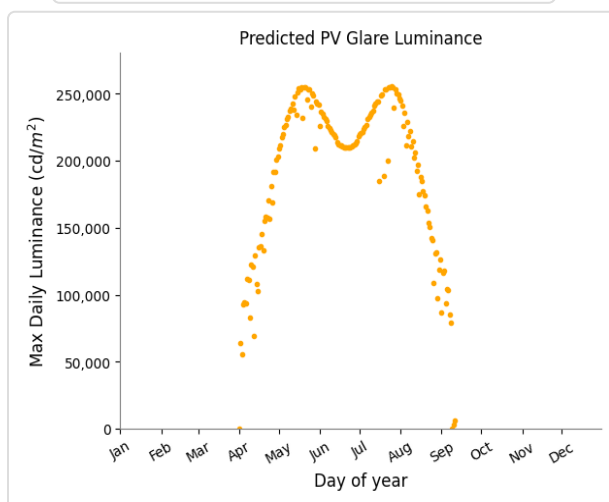
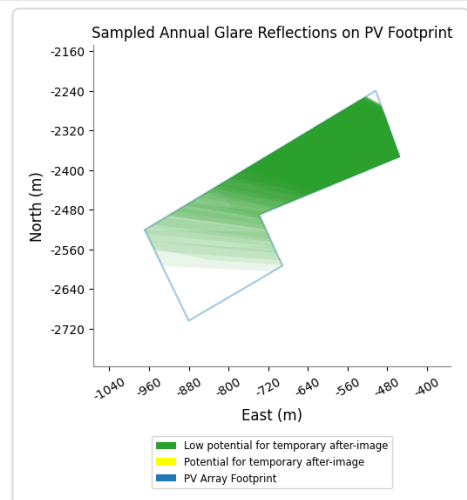
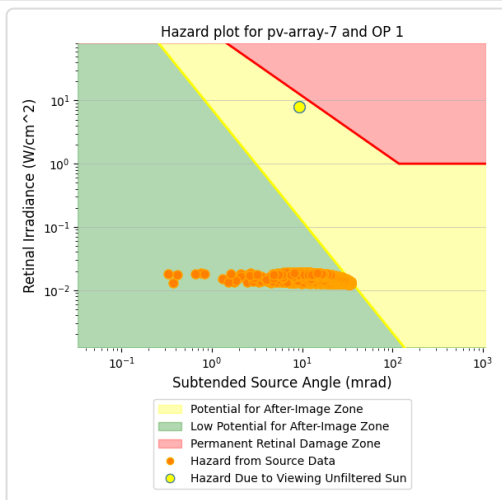
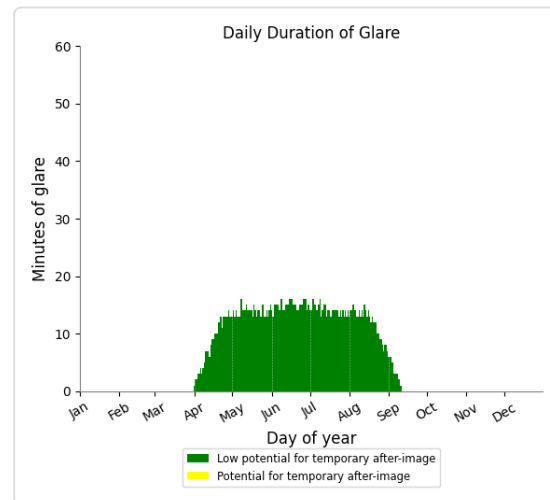
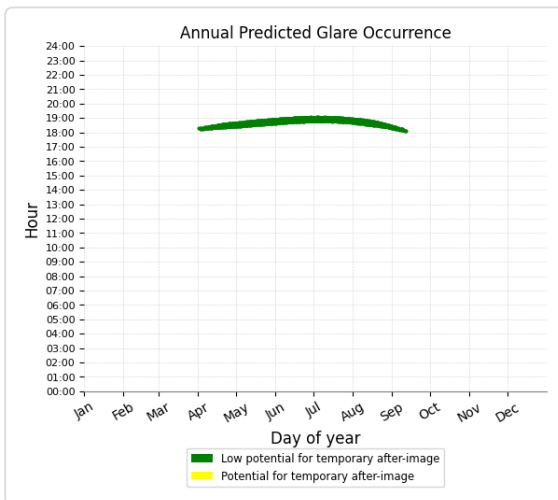
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
OP 39	0	0.0	0	0.0	0



PV array 7 and OP 1

Yellow glare: none

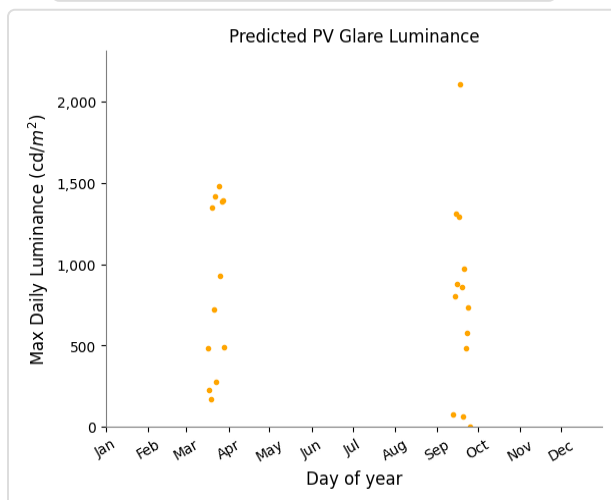
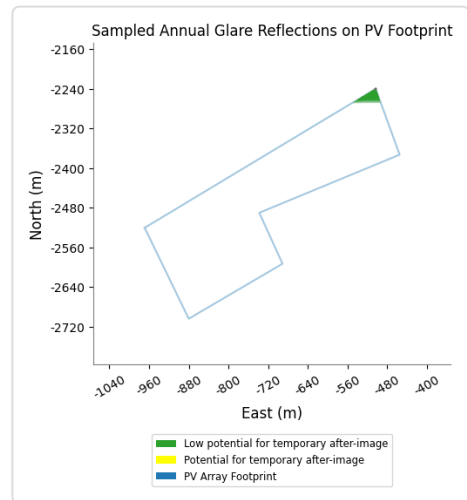
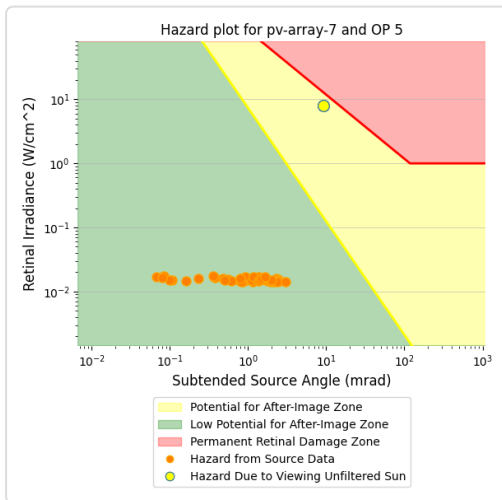
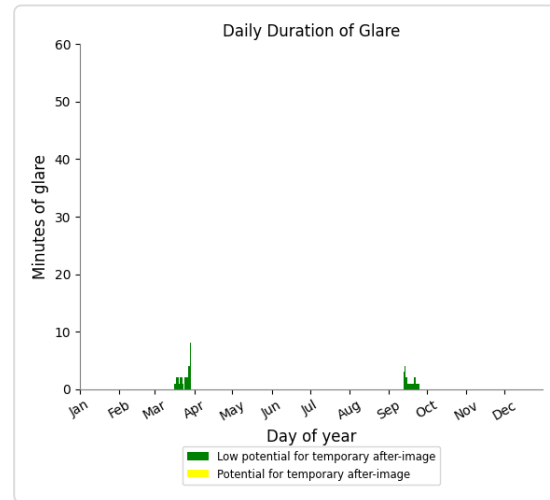
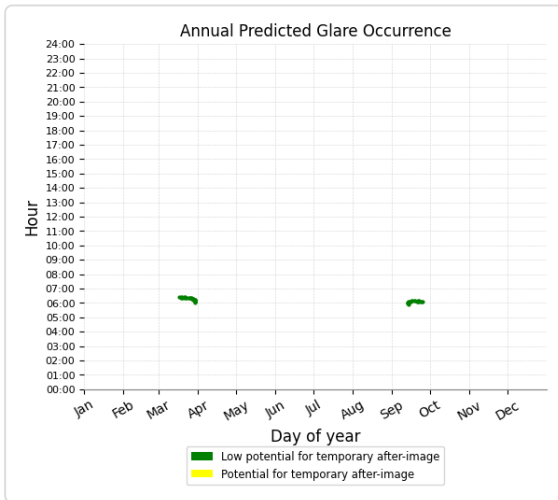
Green glare: 1,972 min.



PV array 7 and OP 5

Yellow glare: none

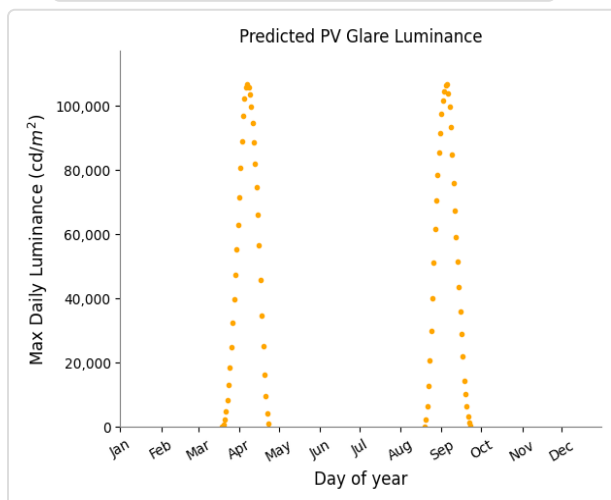
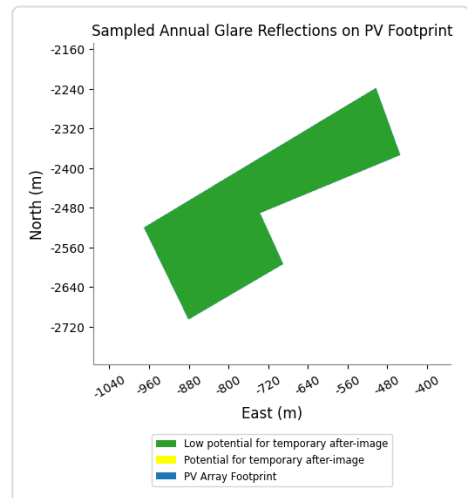
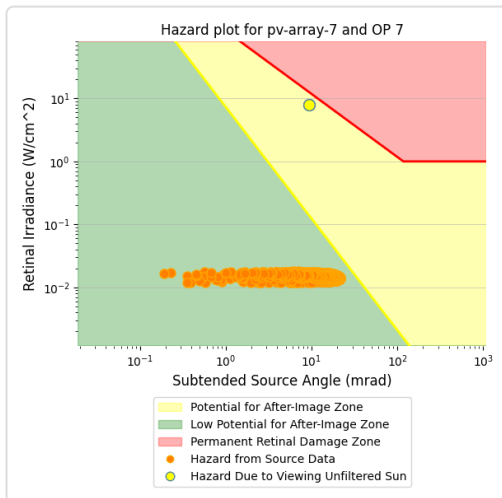
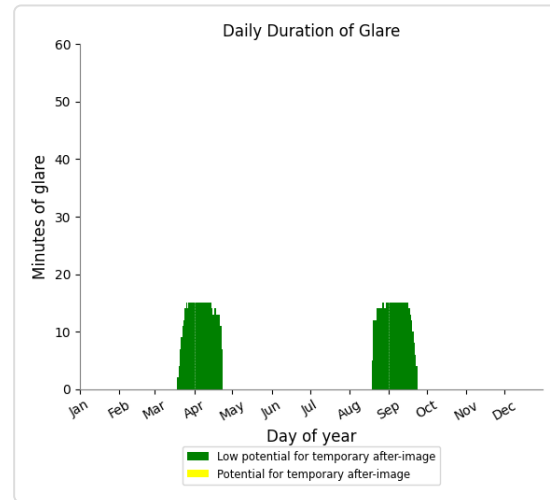
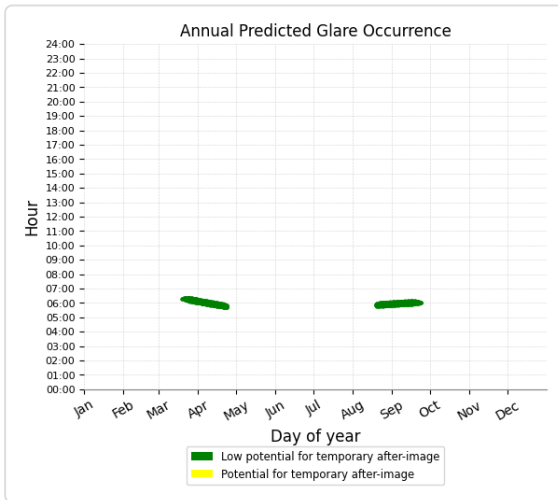
Green glare: 50 min.



PV array 7 and OP 7

Yellow glare: none

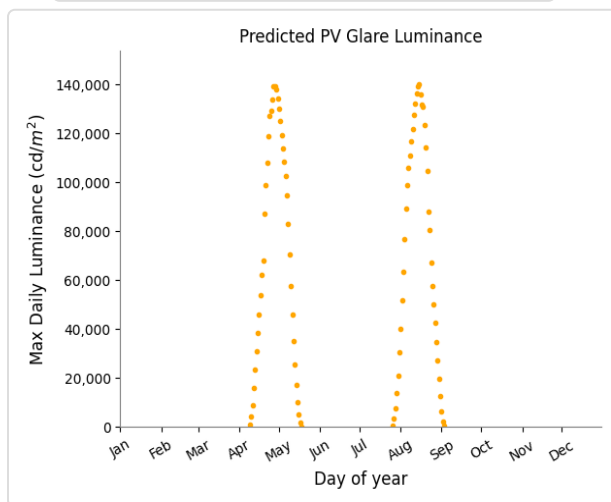
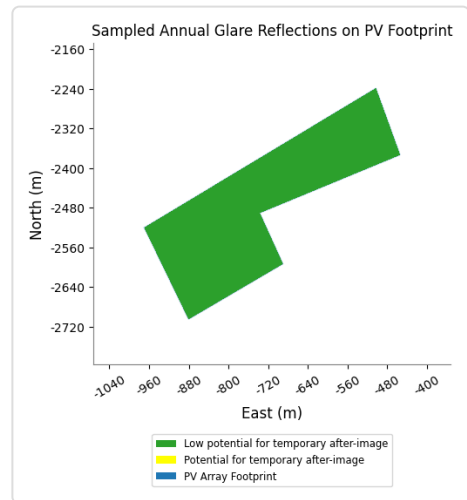
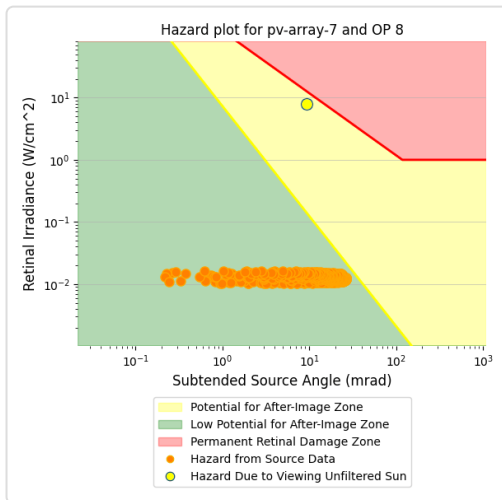
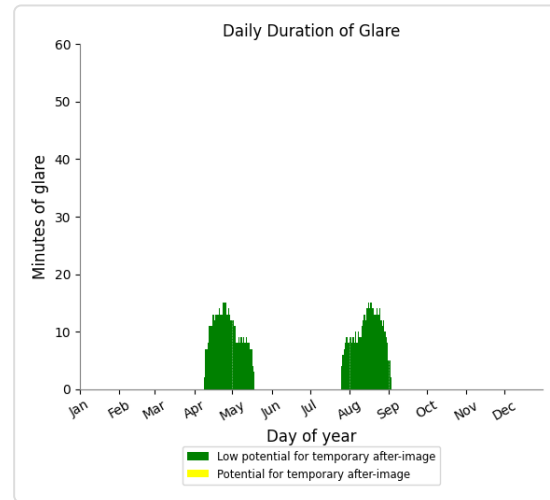
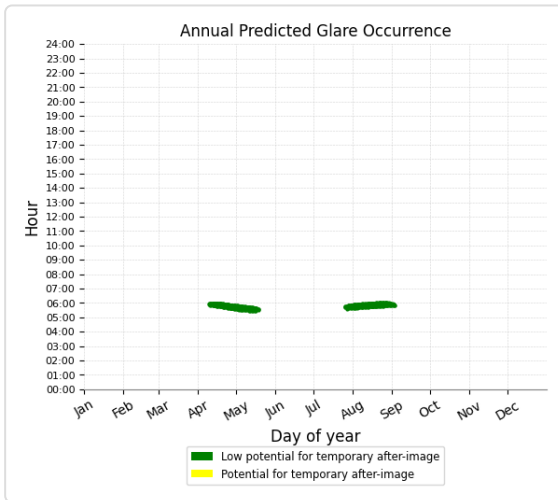
Green glare: 948 min.



PV array 7 and OP 8

Yellow glare: none

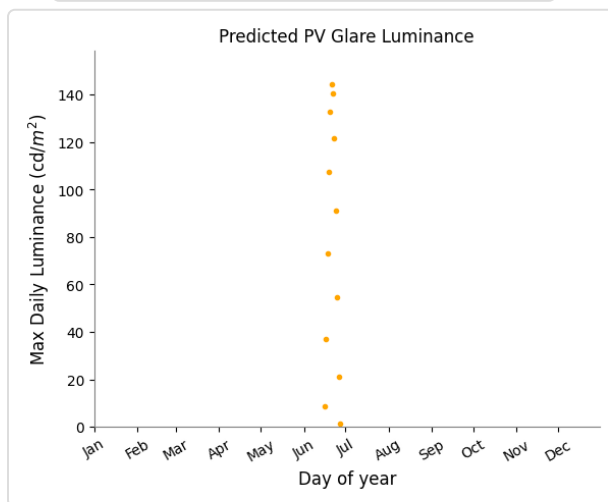
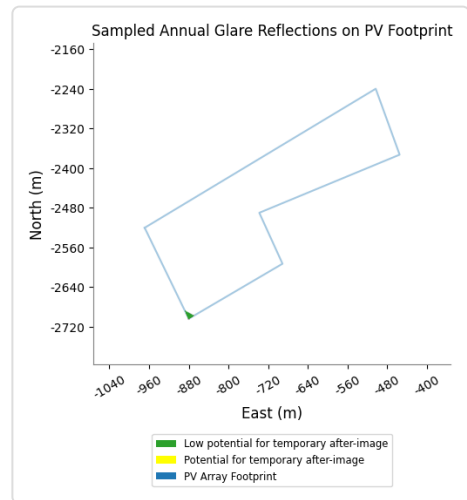
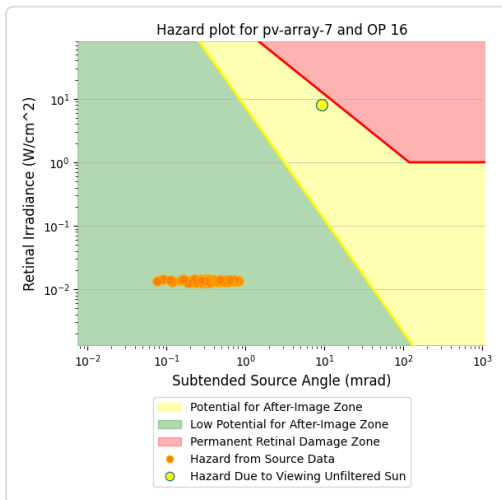
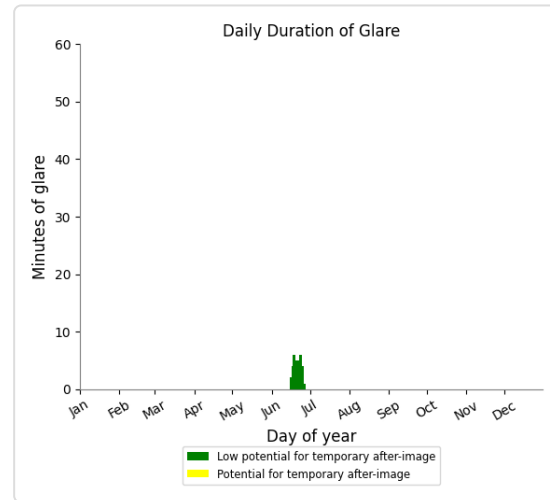
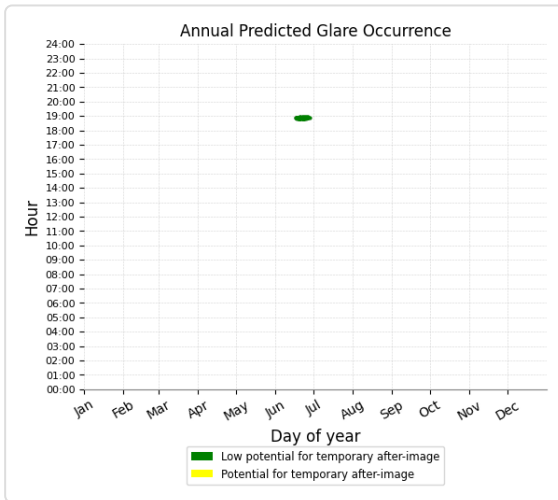
Green glare: 811 min.



PV array 7 and OP 16

Yellow glare: none

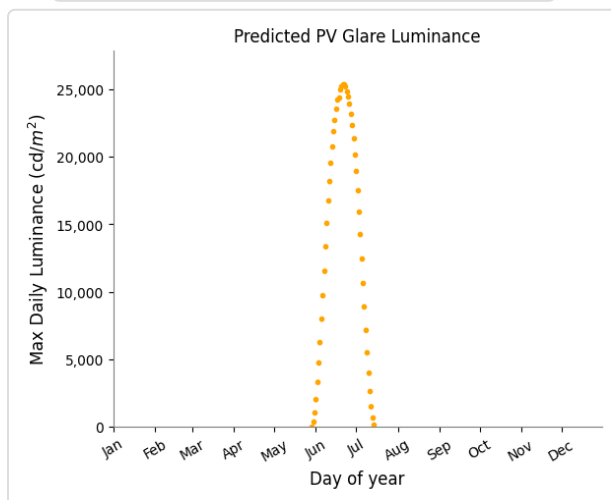
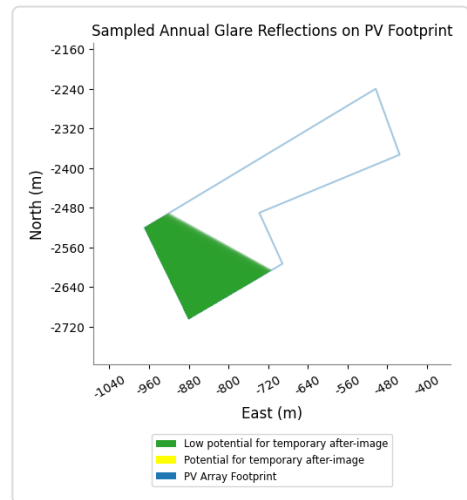
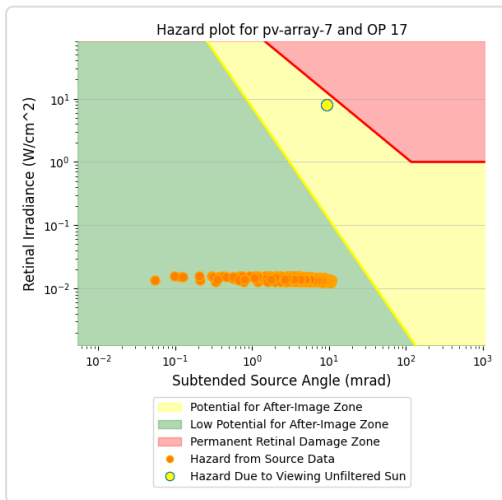
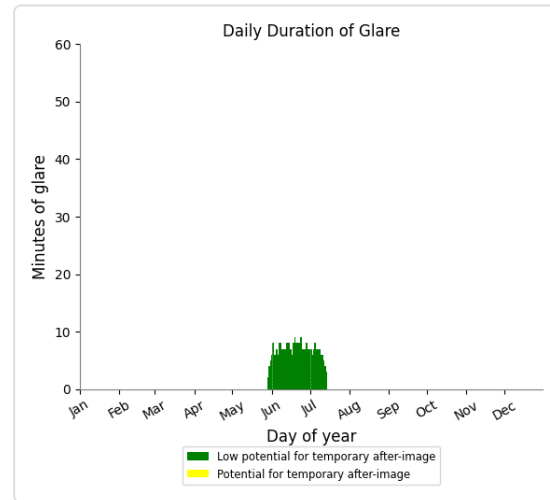
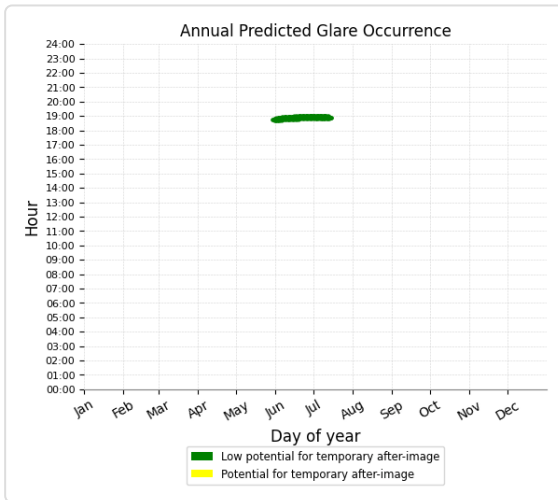
Green glare: 54 min.



PV array 7 and OP 17

Yellow glare: none

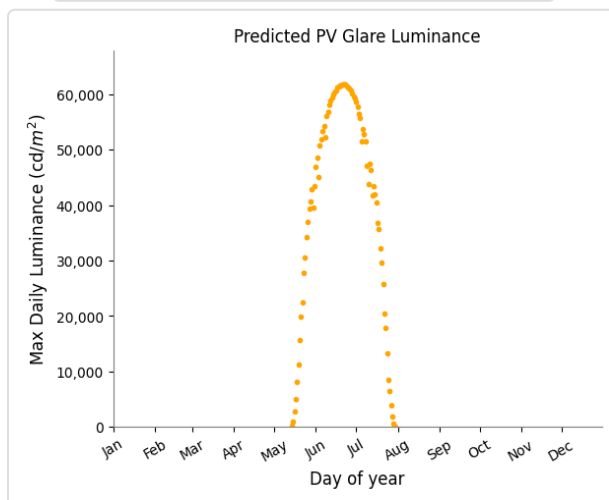
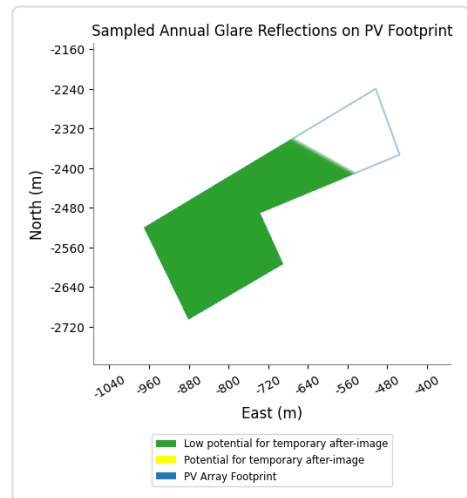
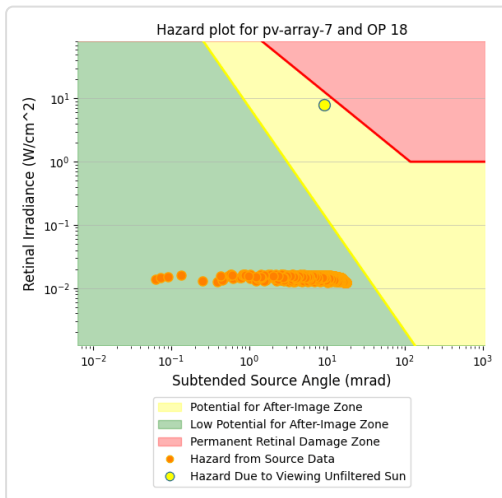
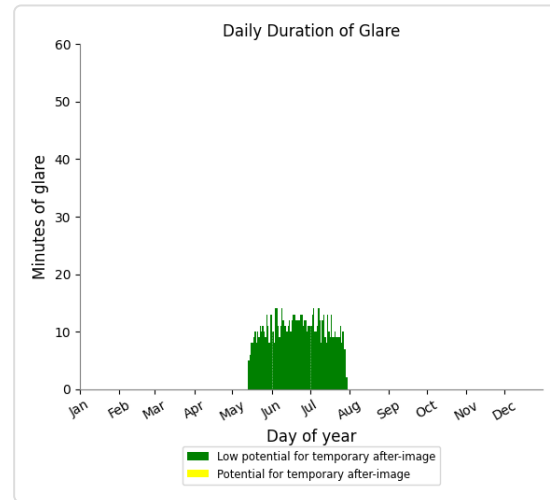
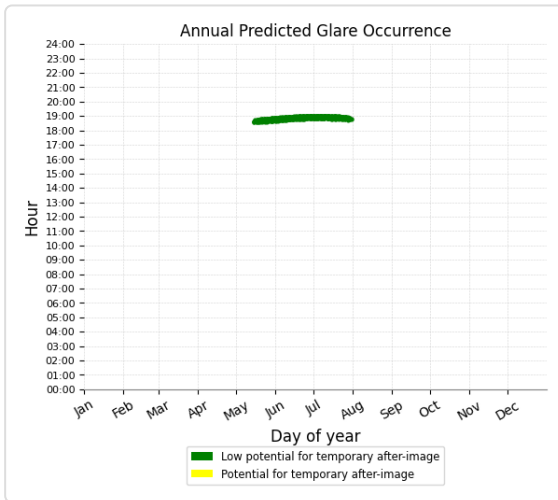
Green glare: 320 min.



PV array 7 and OP 18

Yellow glare: none

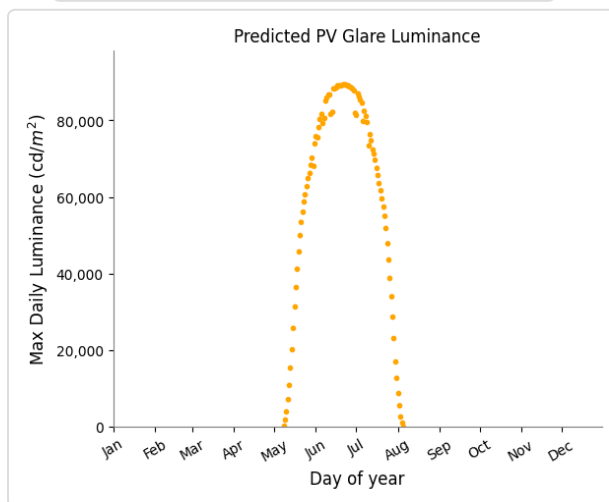
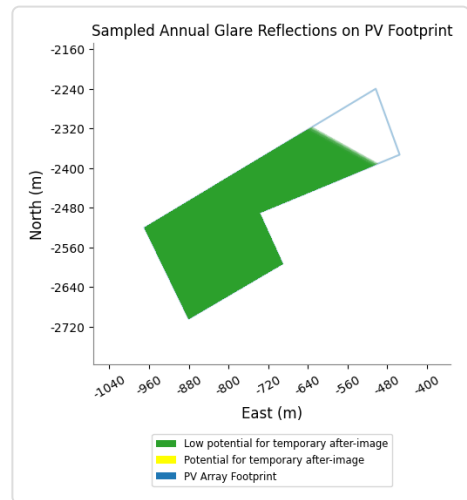
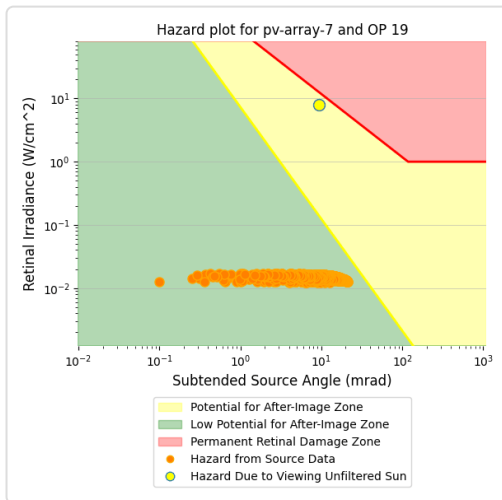
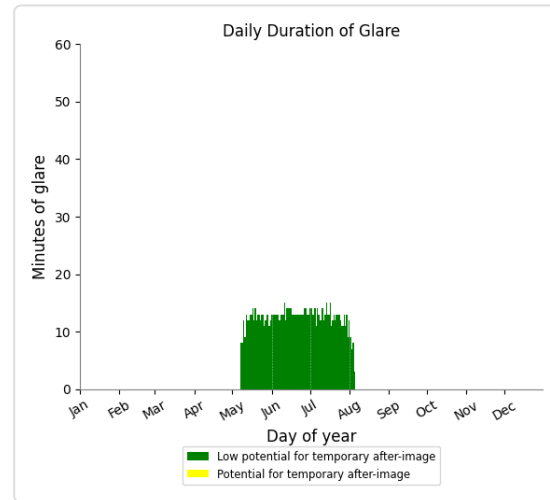
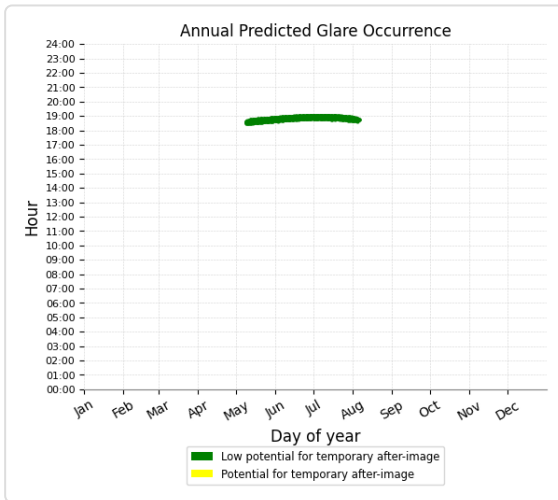
Green glare: 819 min.



PV array 7 and OP 19

Yellow glare: none

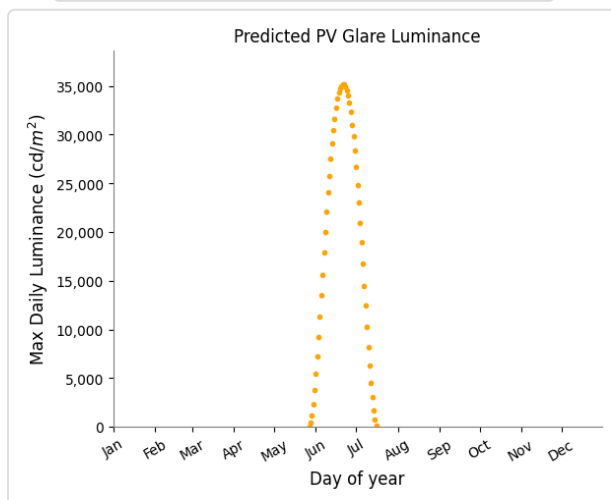
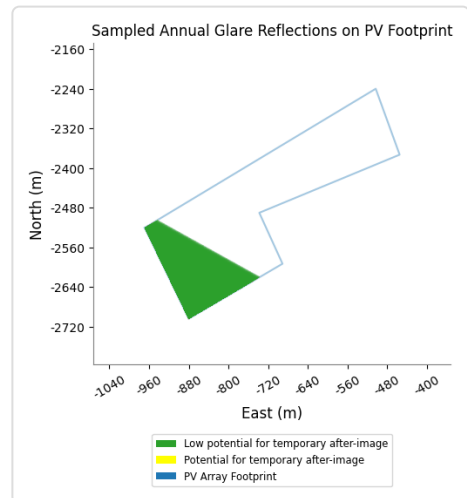
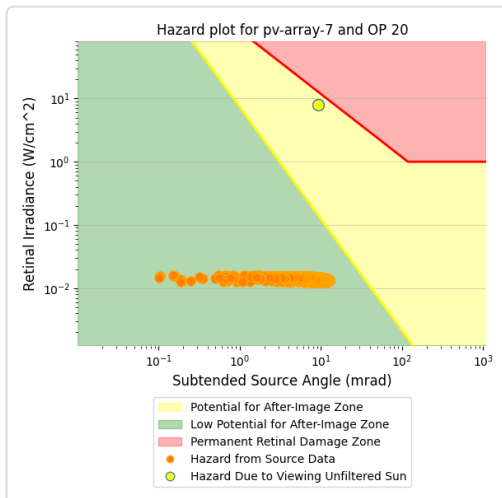
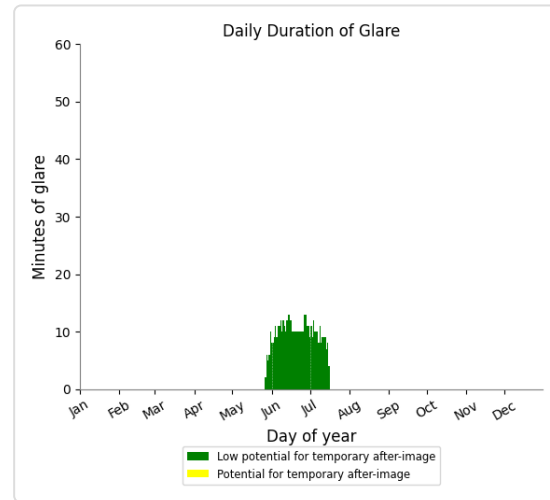
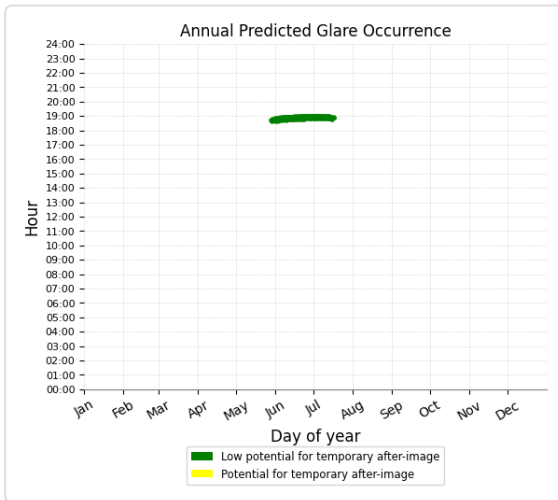
Green glare: 1,115 min.



PV array 7 and OP 20

Yellow glare: none

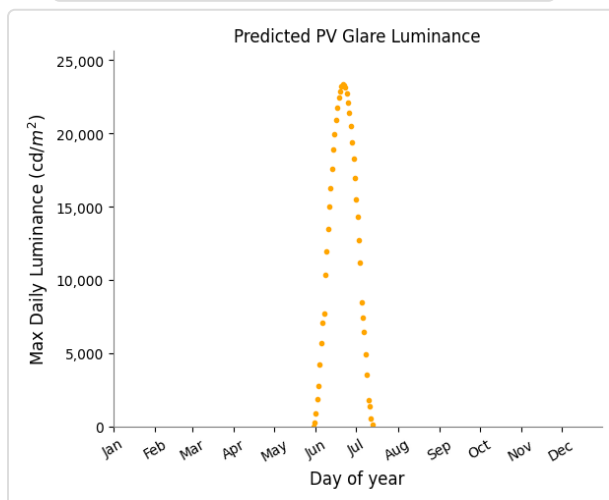
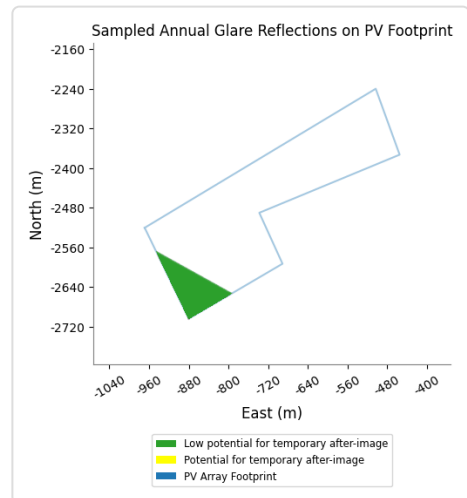
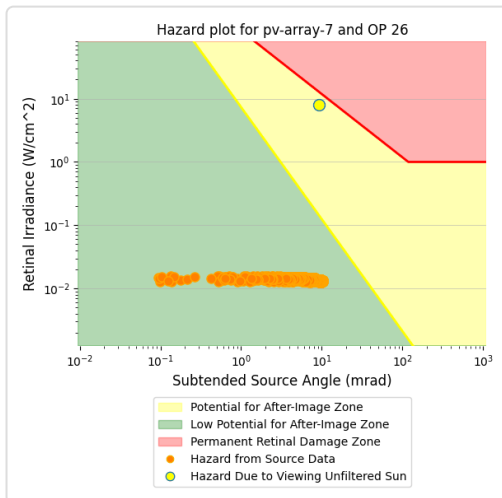
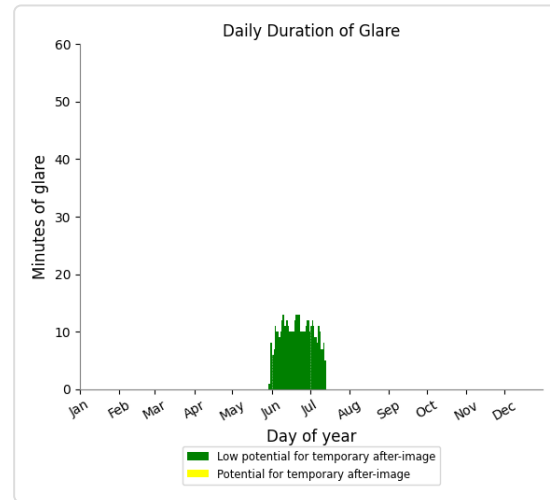
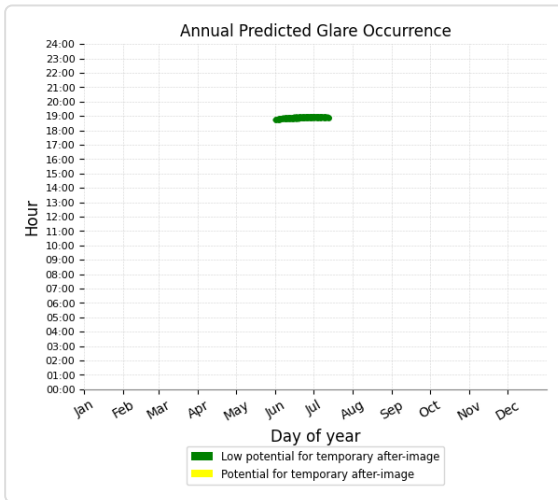
Green glare: 493 min.



PV array 7 and OP 26

Yellow glare: none

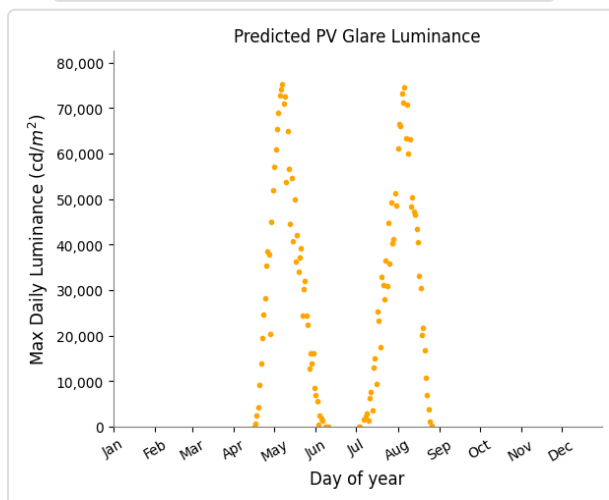
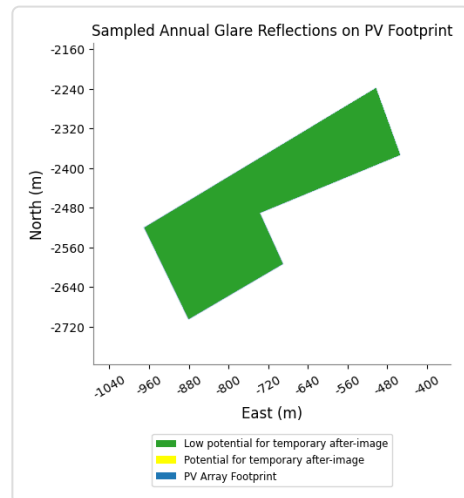
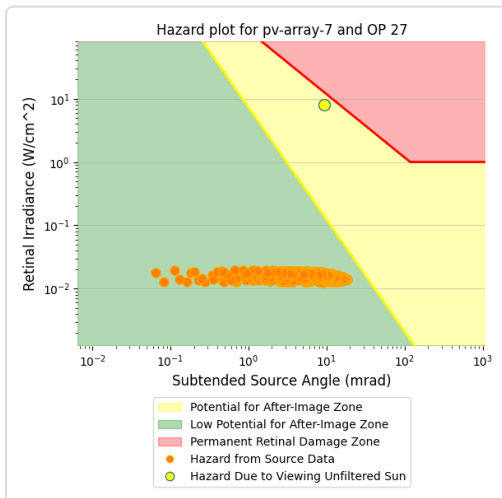
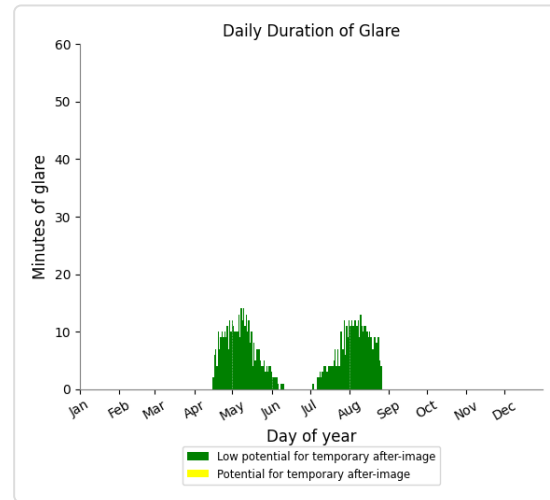
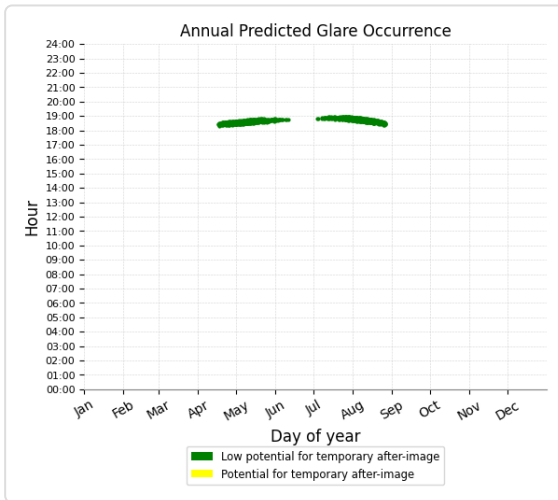
Green glare: 447 min.



PV array 7 and OP 27

Yellow glare: none

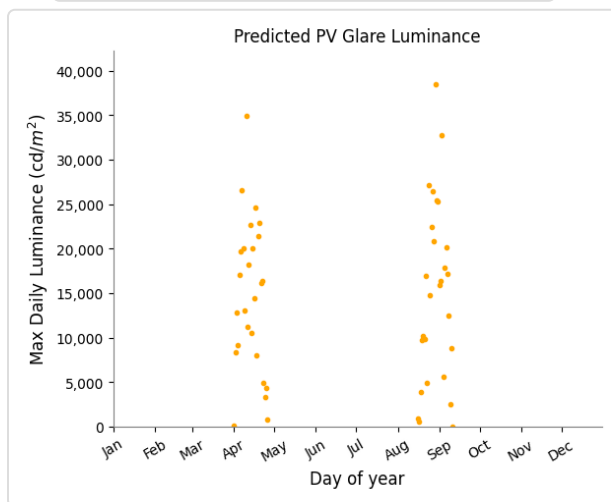
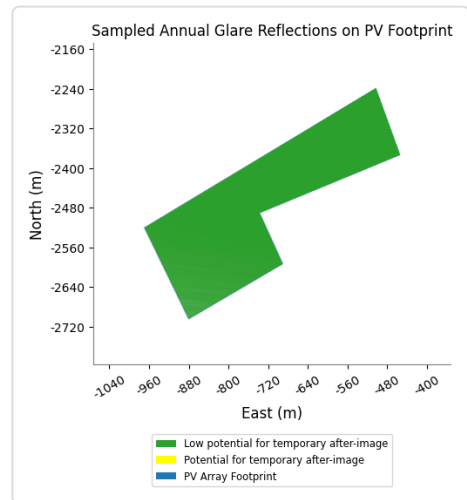
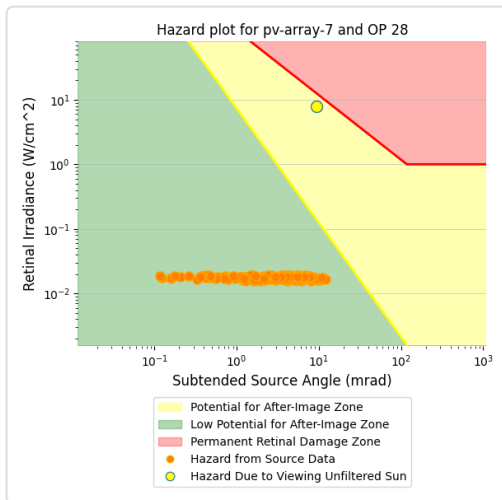
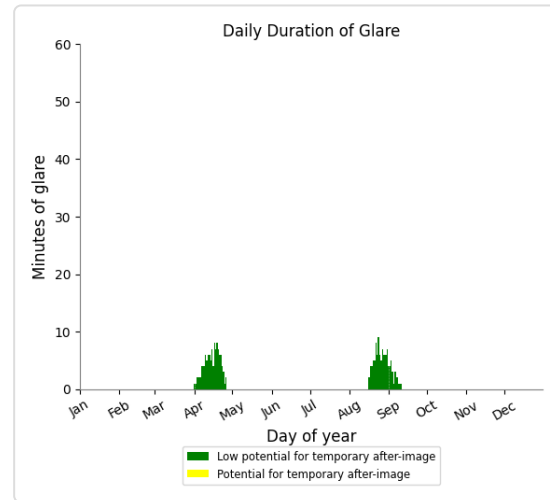
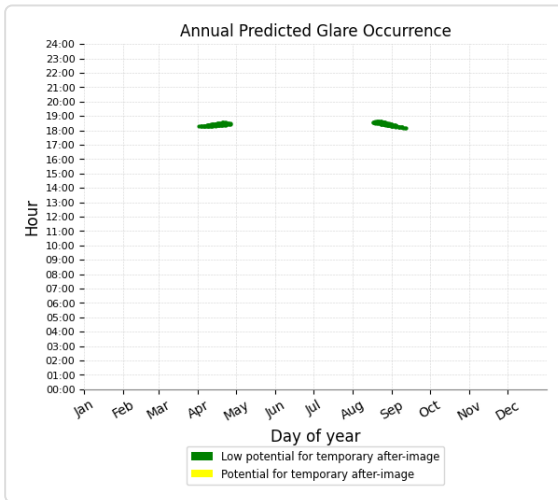
Green glare: 780 min.



PV array 7 and OP 28

Yellow glare: none

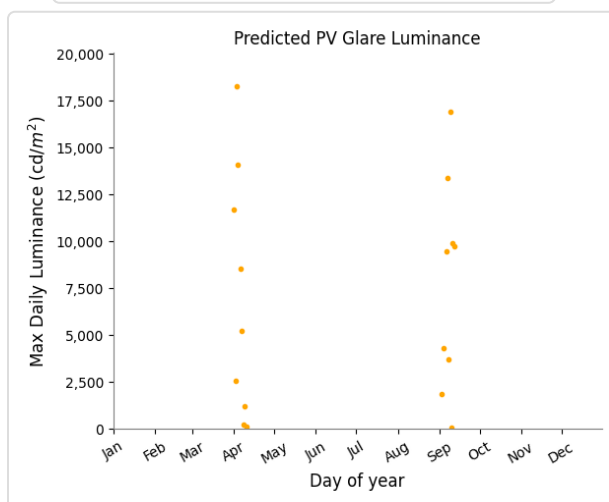
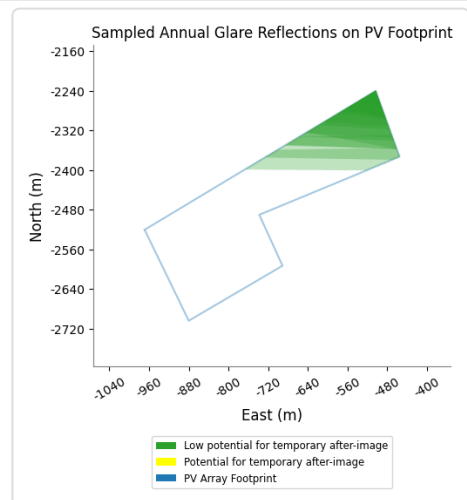
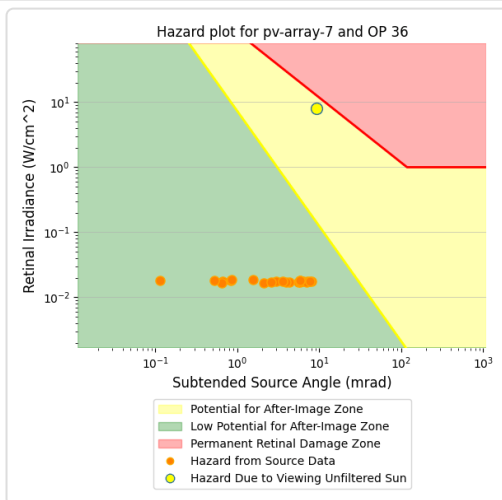
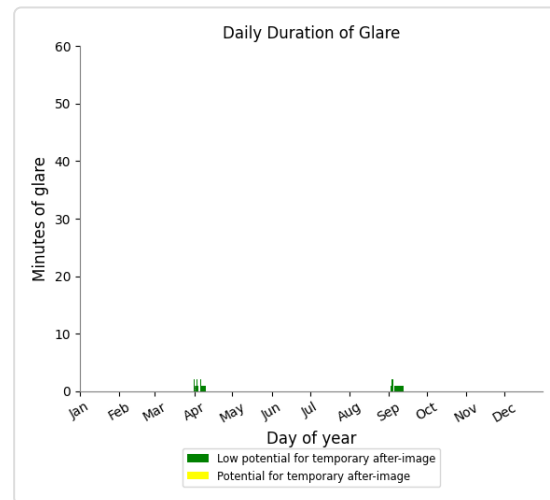
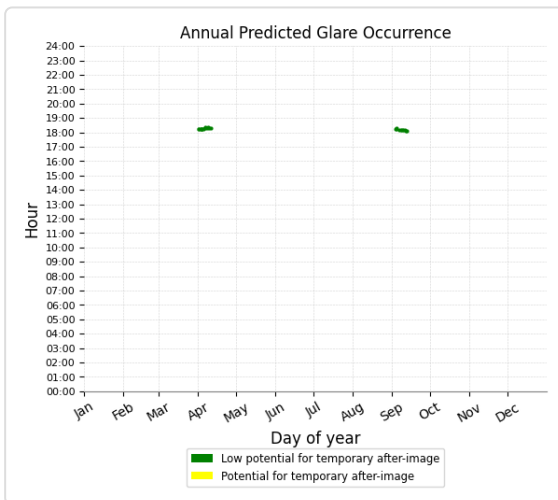
Green glare: 228 min.



PV array 7 and OP 36

Yellow glare: none

Green glare: 22 min.



PV array 7 and OP 2

No glare found

PV array 7 and OP 3

No glare found

PV array 7 and OP 4

No glare found

PV array 7 and OP 6

No glare found

PV array 7 and OP 9

No glare found

PV array 7 and OP 10

No glare found

PV array 7 and OP 11

No glare found

PV array 7 and OP 12

No glare found

PV array 7 and OP 13

No glare found

PV array 7 and OP 14

No glare found

PV array 7 and OP 15

No glare found

PV array 7 and OP 21

No glare found

PV array 7 and OP 22

No glare found

PV array 7 and OP 23

No glare found

PV array 7 and OP 24

No glare found

PV array 7 and OP 25

No glare found

PV array 7 and OP 29

No glare found

PV array 7 and OP 30

No glare found

PV array 7 and OP 31

No glare found

PV array 7 and OP 32

No glare found

PV array 7 and OP 33

No glare found

PV array 7 and OP 34

No glare found

PV array 7 and OP 35

No glare found

PV array 7 and OP 37

No glare found

PV array 7 and OP 38

No glare found

PV array 7 and OP 39

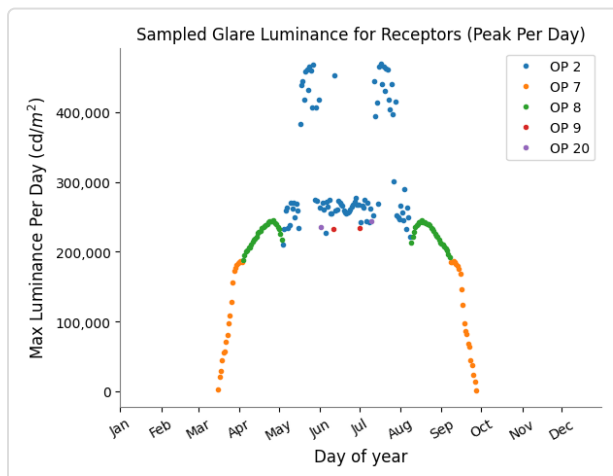
No glare found

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
OP 2	893	14.9	897	14.9	471,187
OP 1	388	6.5	0	0.0	107,722
OP 7	1,029	17.1	0	0.0	186,569
OP 8	1,815	30.2	0	0.0	245,363
OP 9	996	16.6	0	0.0	251,513
OP 14	15	0.2	0	0.0	26,261
OP 15	192	3.2	0	0.0	20,229
OP 16	793	13.2	0	0.0	177,086
OP 17	917	15.3	0	0.0	187,166
OP 18	37	0.6	0	0.0	35,597
OP 19	1,241	20.7	0	0.0	208,263
OP 20	1,180	19.7	0	0.0	245,810
OP 25	1,009	16.8	0	0.0	202,402
OP 26	36	0.6	0	0.0	66,876
OP 3	0	0.0	0	0.0	0
OP 4	0	0.0	0	0.0	0
OP 5	0	0.0	0	0.0	0
OP 6	0	0.0	0	0.0	0
OP 10	0	0.0	0	0.0	0
OP 11	0	0.0	0	0.0	0
OP 12	0	0.0	0	0.0	0
OP 13	0	0.0	0	0.0	0
OP 21	0	0.0	0	0.0	0
OP 22	0	0.0	0	0.0	0
OP 23	0	0.0	0	0.0	0
OP 24	0	0.0	0	0.0	0
OP 27	0	0.0	0	0.0	0
OP 28	0	0.0	0	0.0	0
OP 29	0	0.0	0	0.0	0
OP 30	0	0.0	0	0.0	0
OP 31	0	0.0	0	0.0	0
OP 32	0	0.0	0	0.0	0
OP 33	0	0.0	0	0.0	0
OP 34	0	0.0	0	0.0	0
OP 35	0	0.0	0	0.0	0
OP 36	0	0.0	0	0.0	0
OP 37	0	0.0	0	0.0	0
OP 38	0	0.0	0	0.0	0

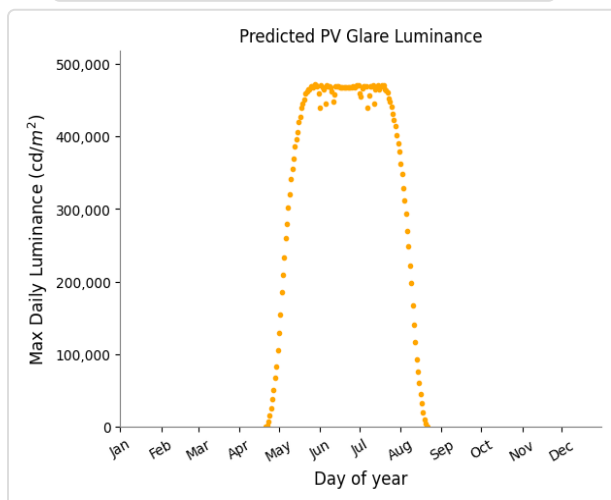
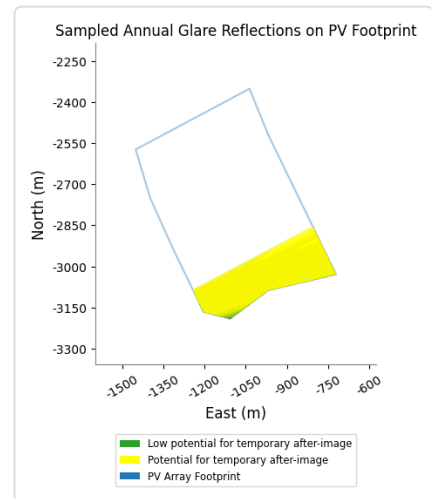
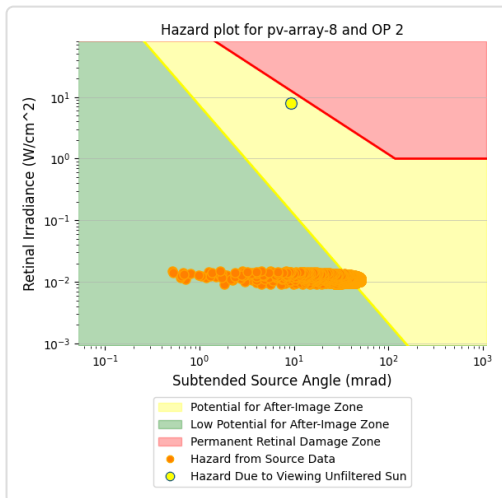
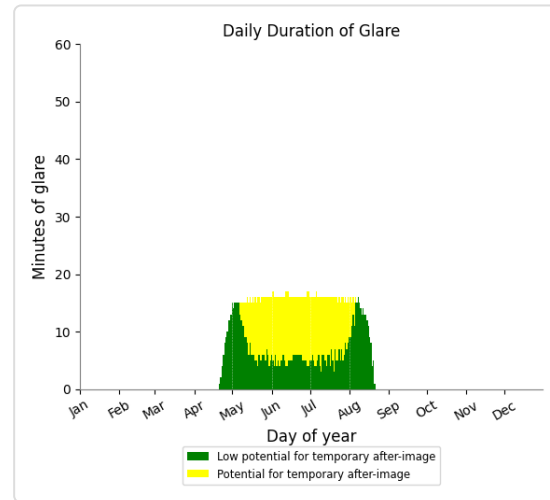
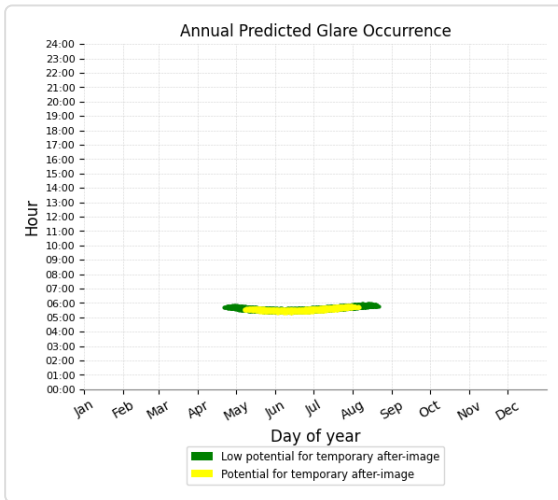
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
OP 39	0	0.0	0	0.0	0



PV array 8 and OP 2

Yellow glare: 897 min.

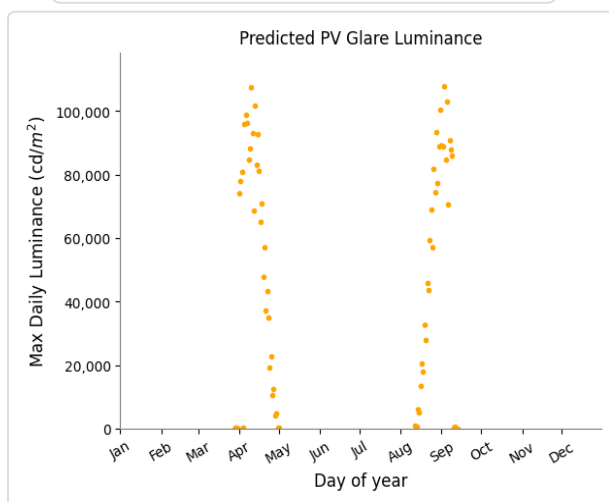
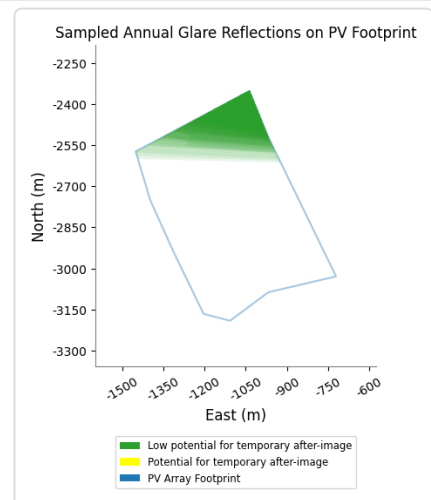
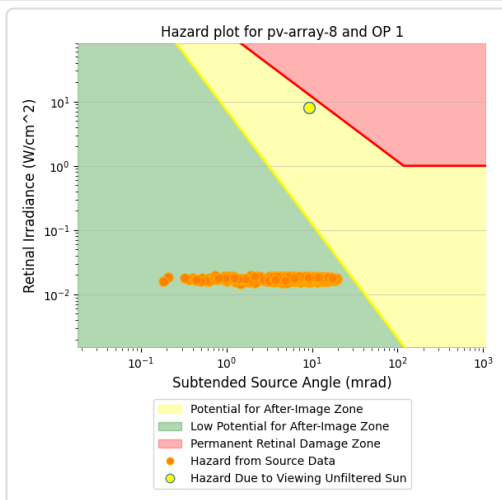
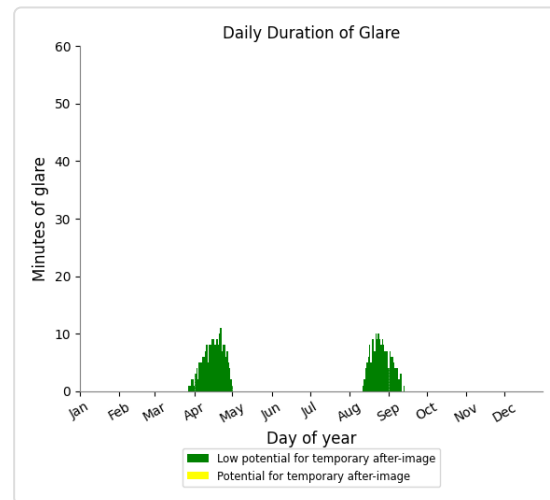
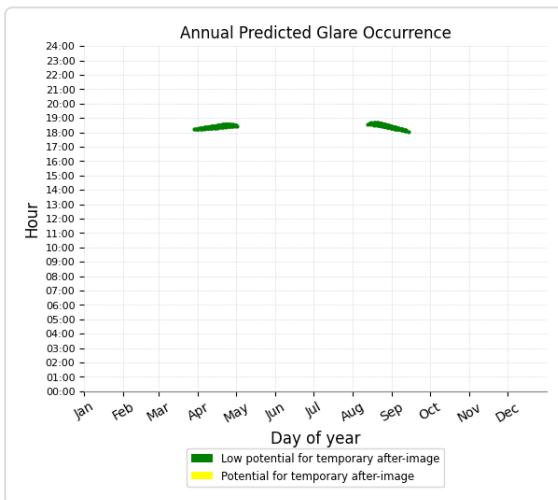
Green glare: 893 min.



PV array 8 and OP 1

Yellow glare: none

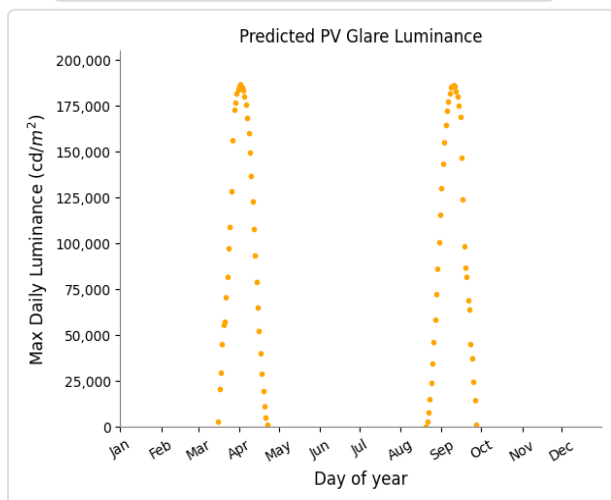
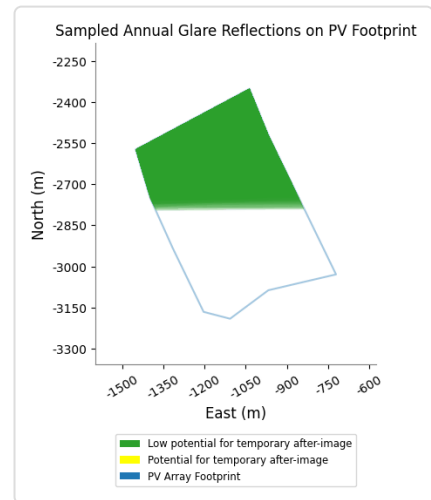
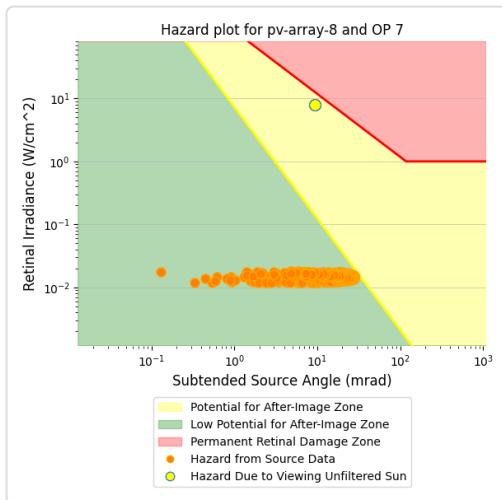
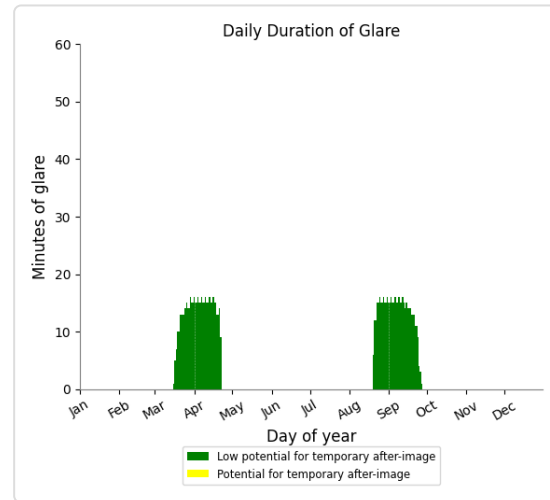
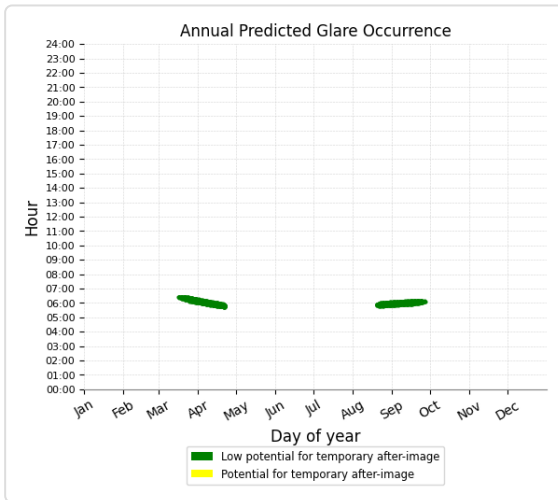
Green glare: 388 min.



PV array 8 and OP 7

Yellow glare: none

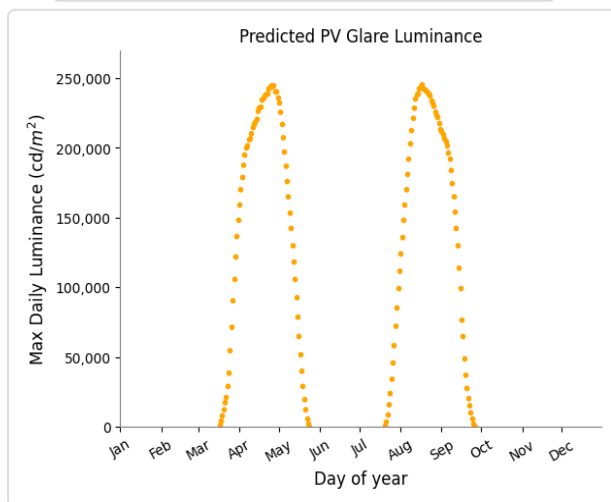
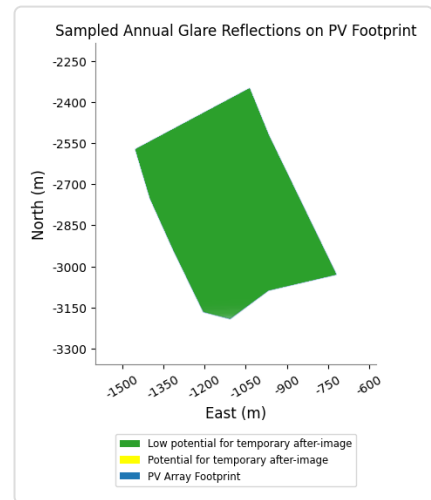
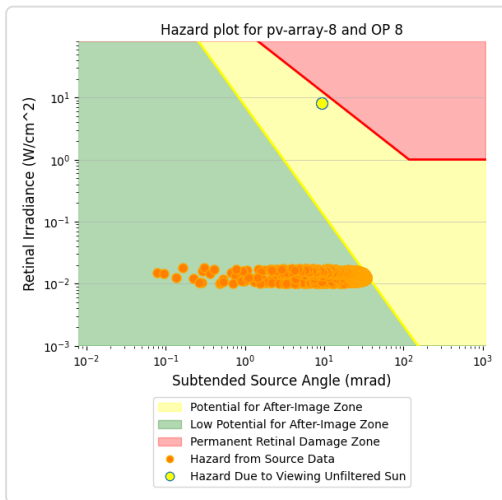
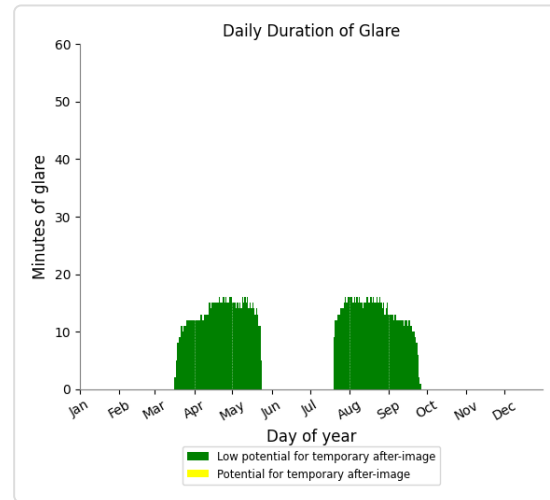
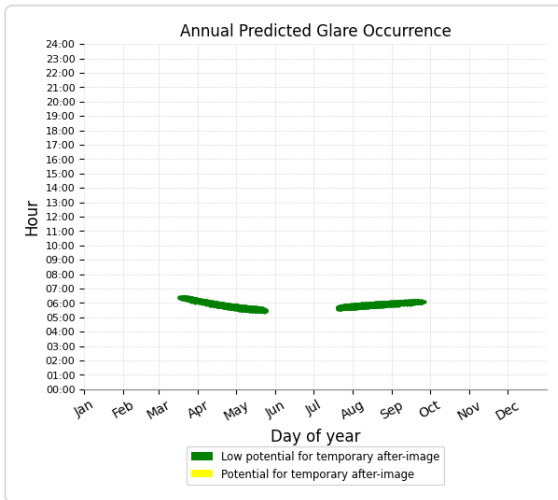
Green glare: 1,029 min.



PV array 8 and OP 8

Yellow glare: none

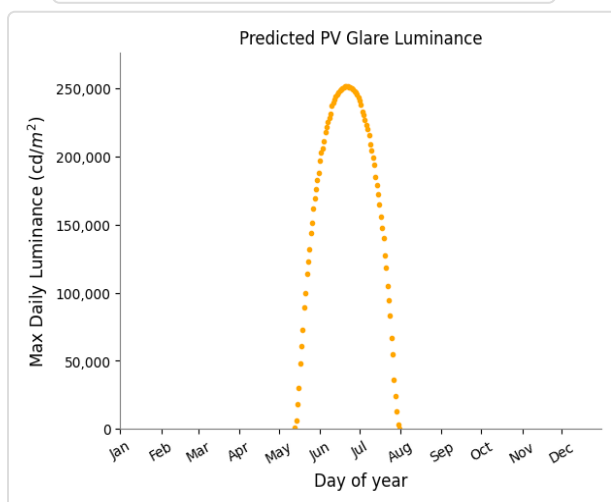
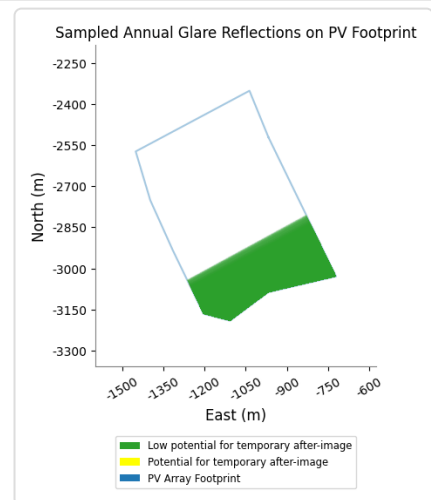
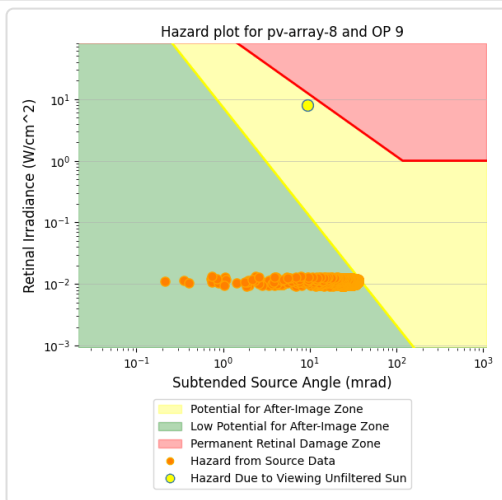
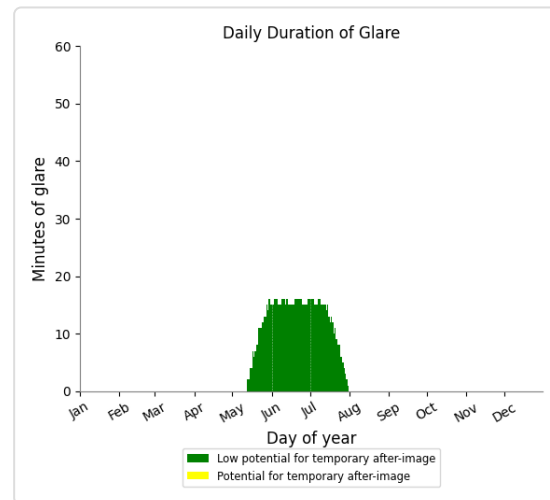
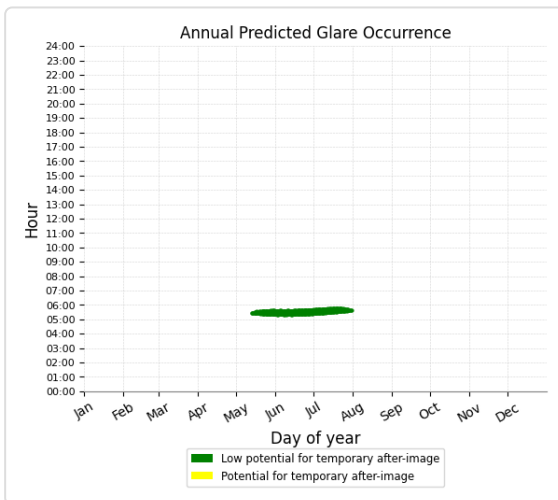
Green glare: 1,815 min.



PV array 8 and OP 9

Yellow glare: none

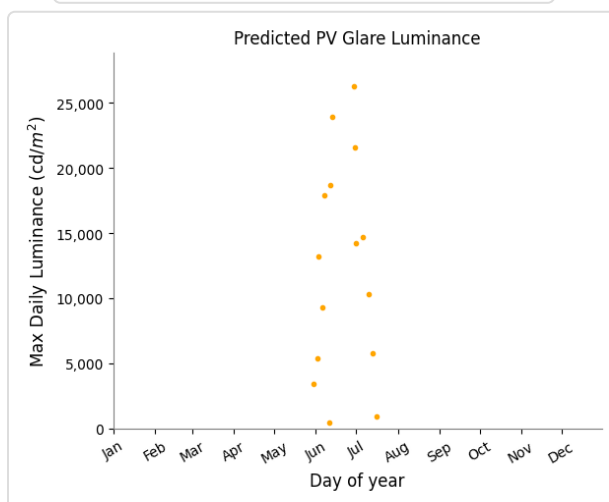
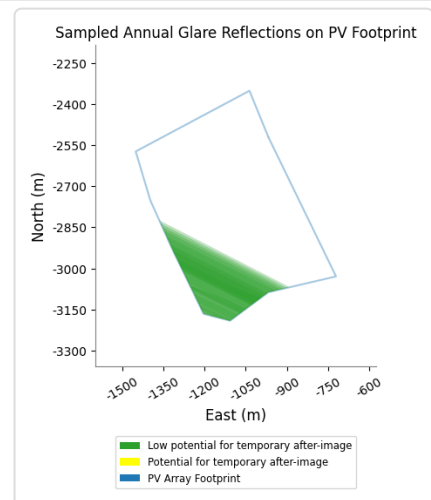
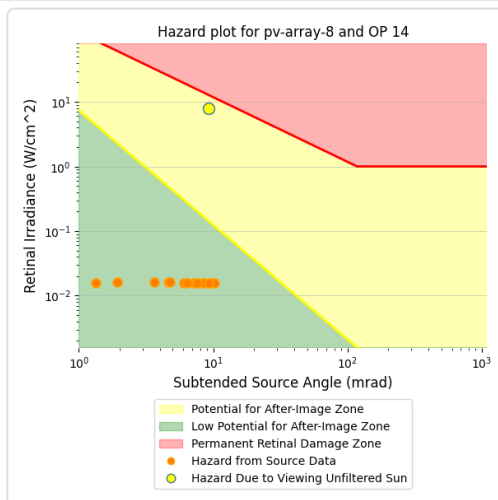
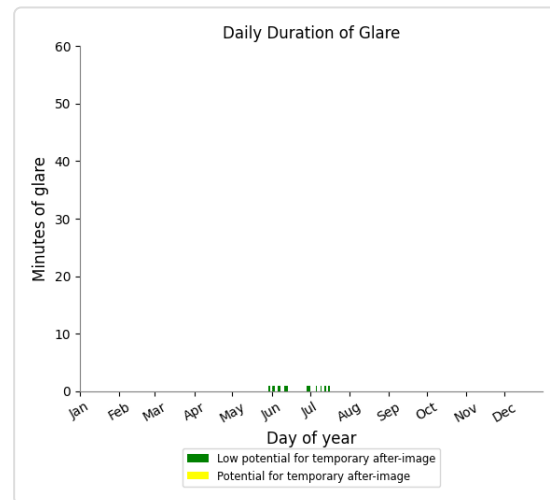
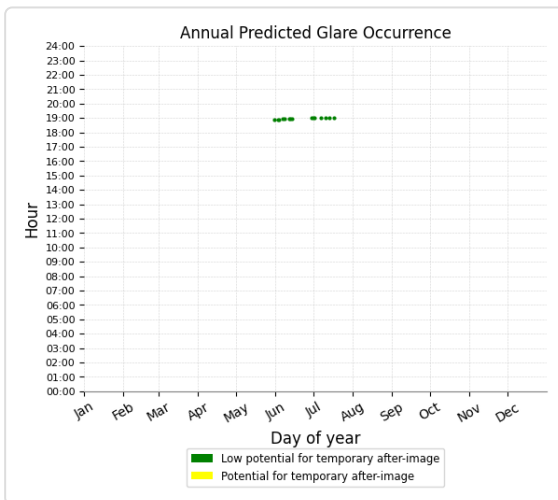
Green glare: 996 min.



PV array 8 and OP 14

Yellow glare: none

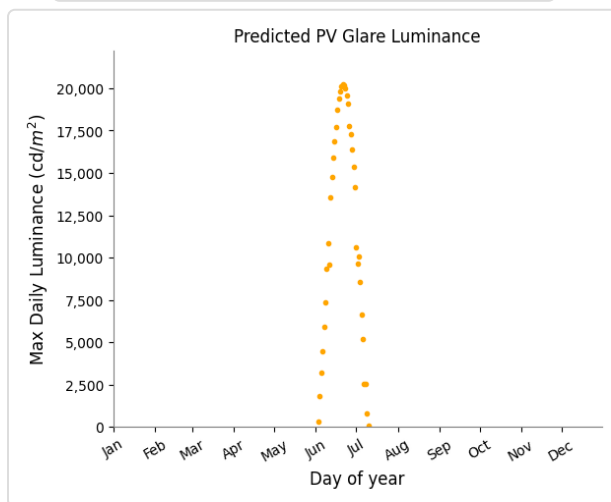
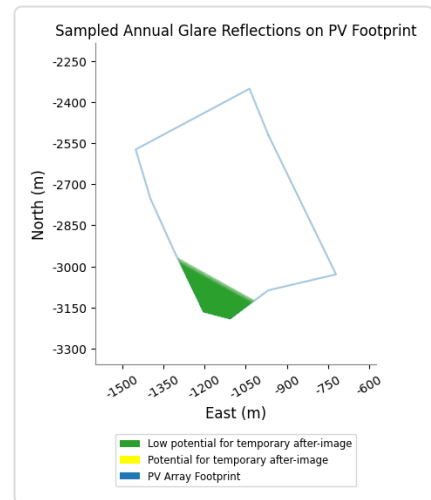
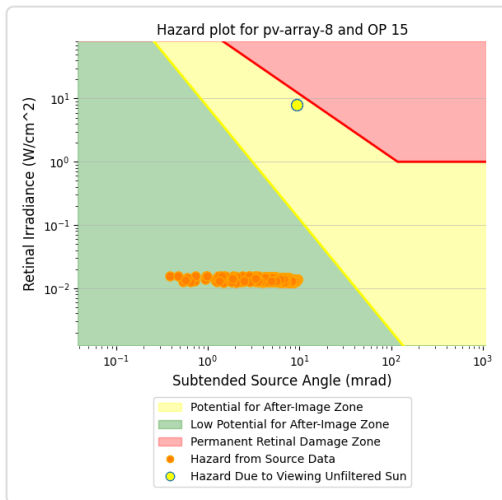
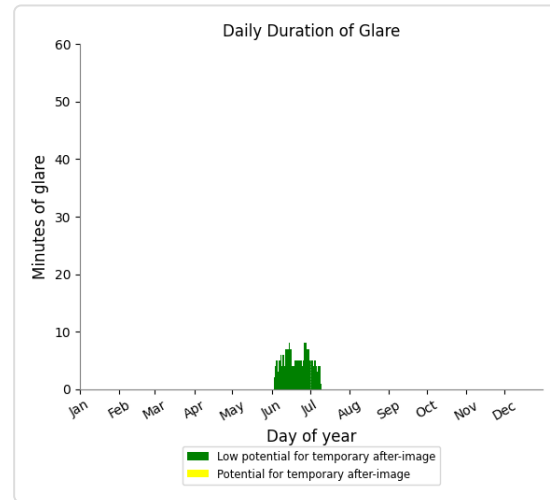
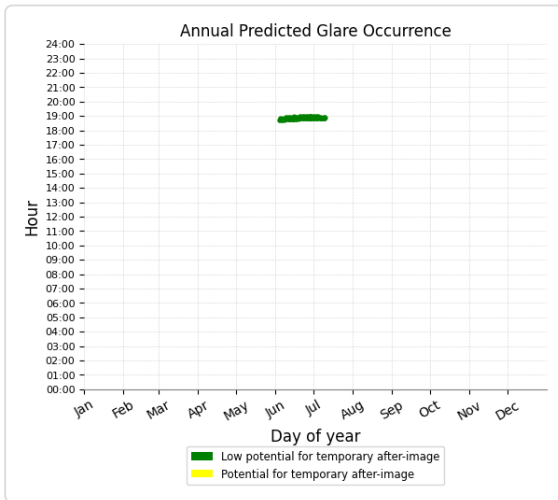
Green glare: 15 min.



PV array 8 and OP 15

Yellow glare: none

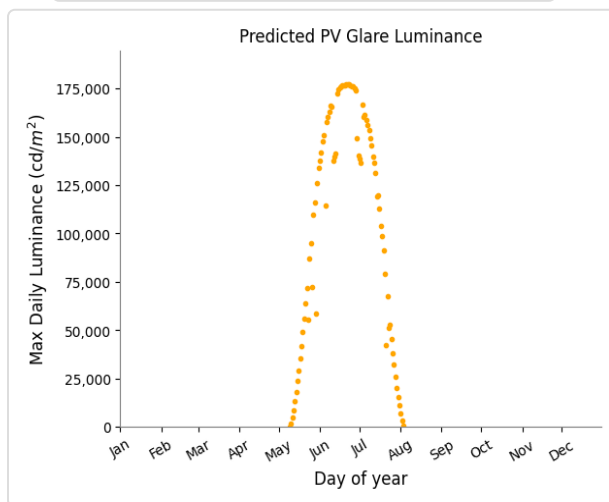
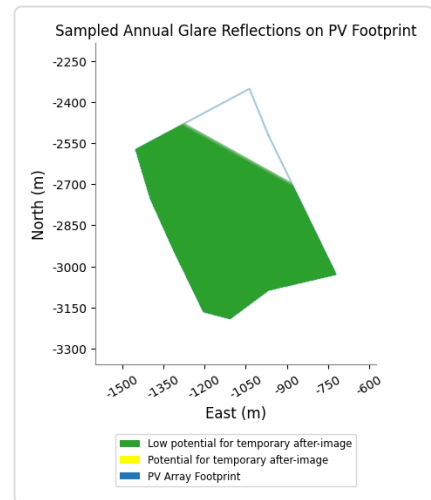
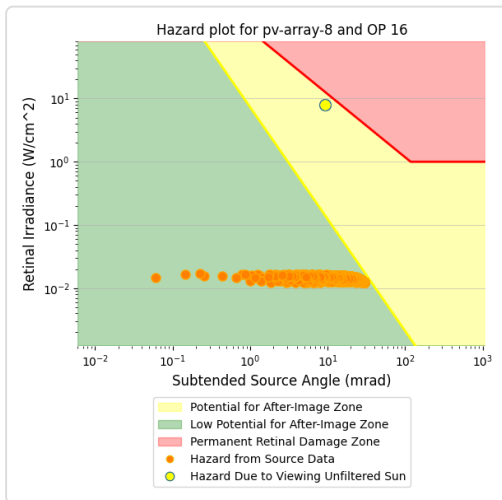
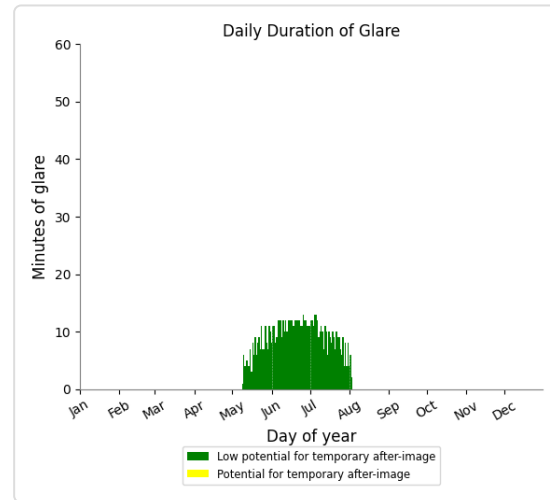
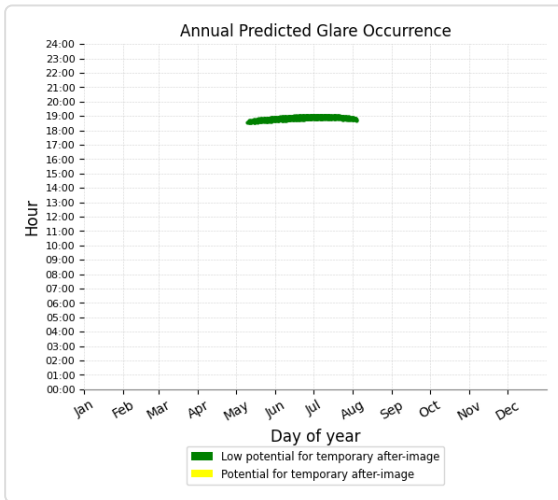
Green glare: 192 min.



PV array 8 and OP 16

Yellow glare: none

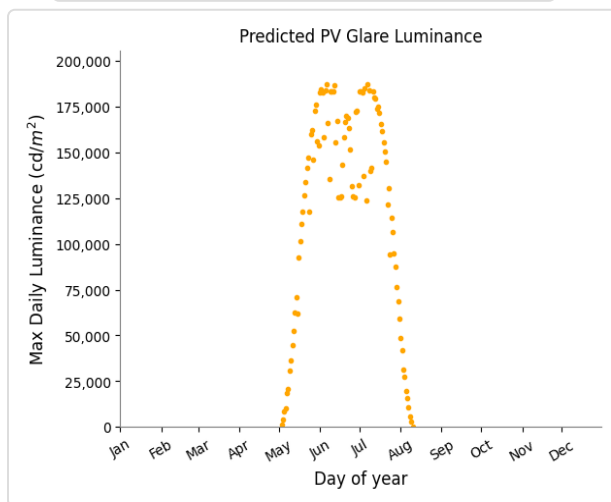
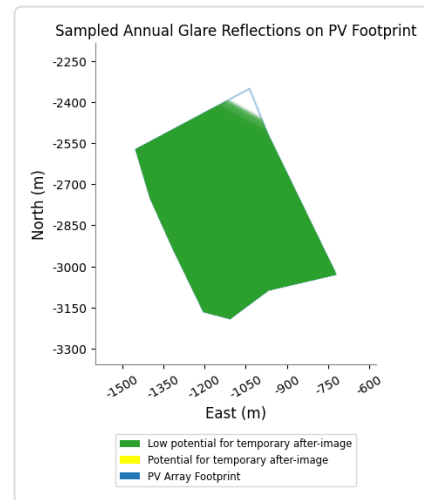
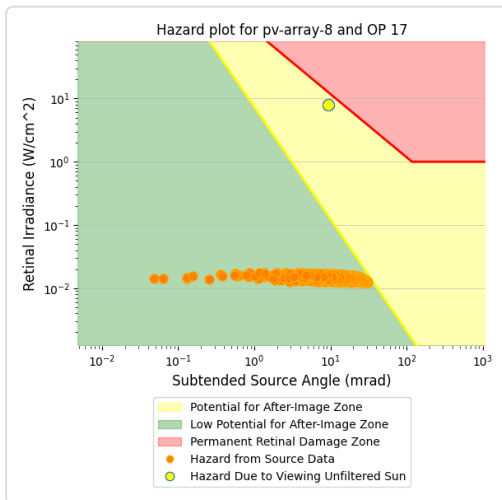
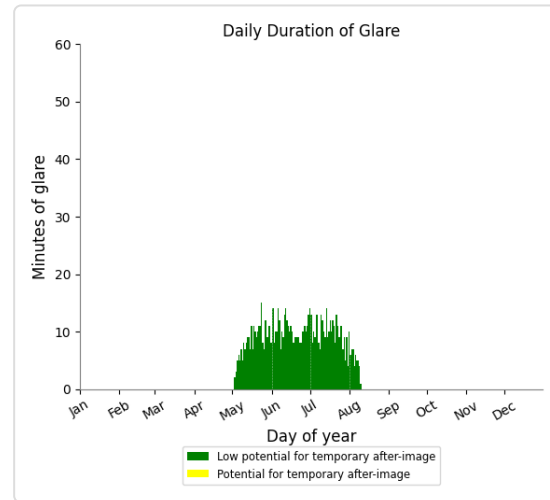
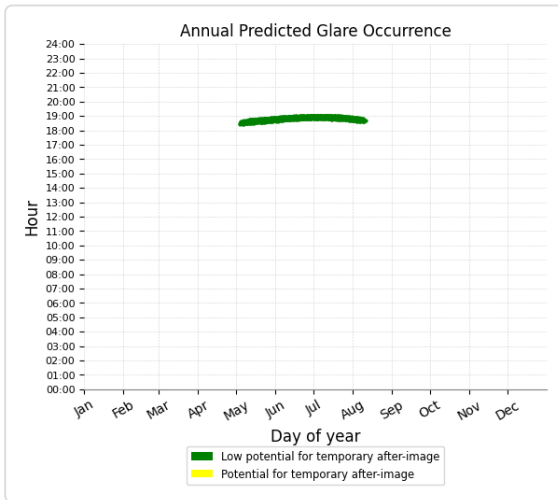
Green glare: 793 min.



PV array 8 and OP 17

Yellow glare: none

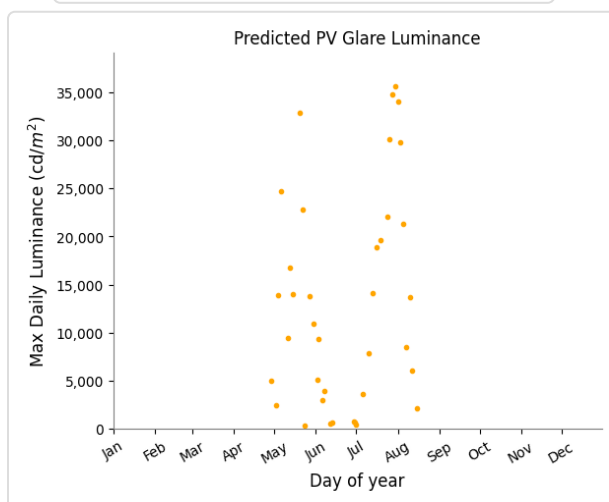
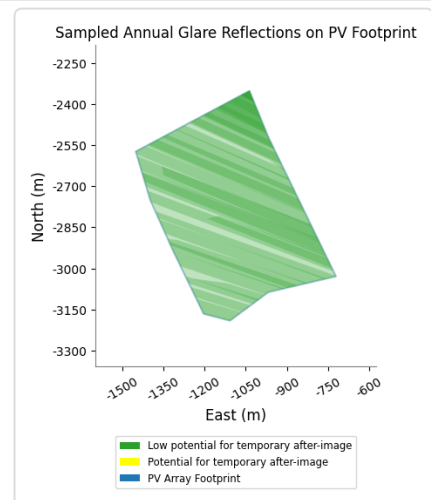
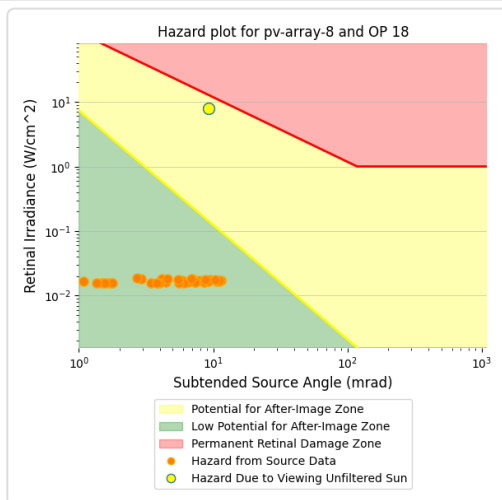
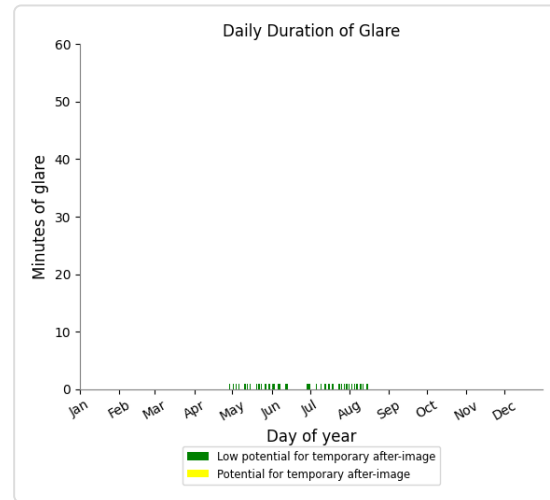
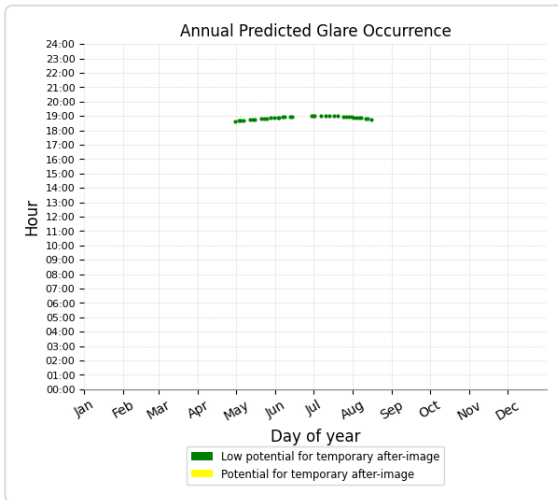
Green glare: 917 min.



PV array 8 and OP 18

Yellow glare: none

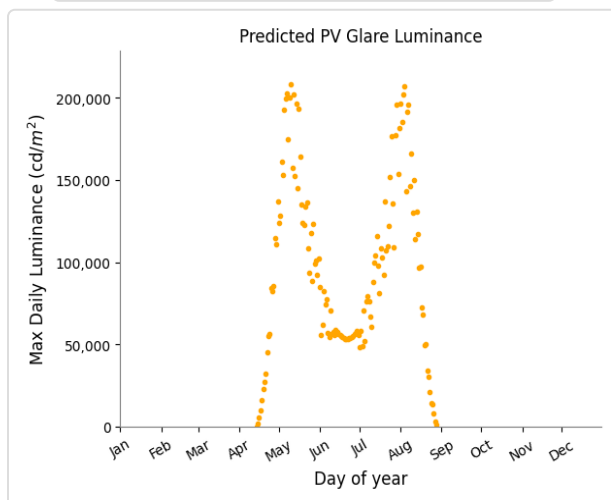
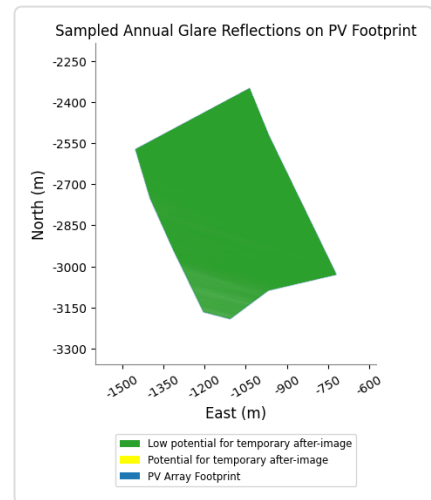
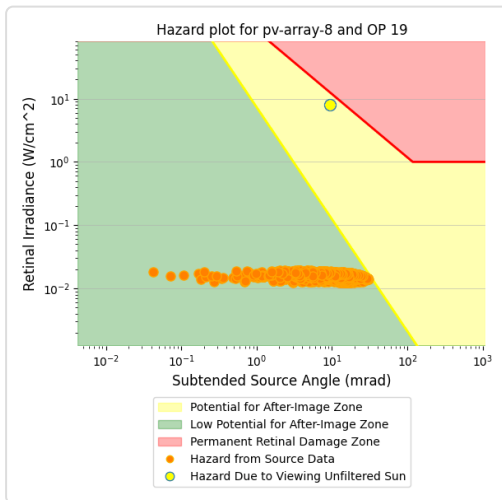
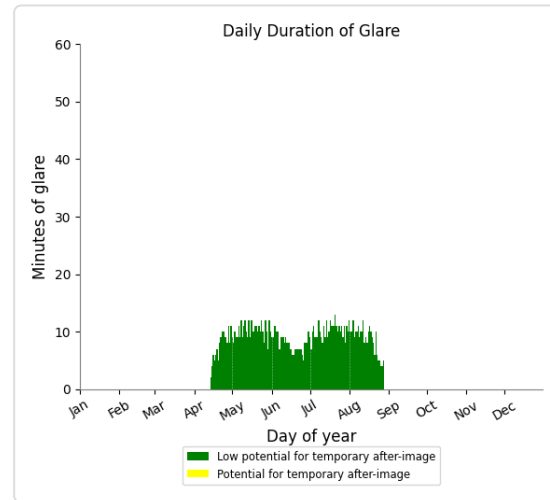
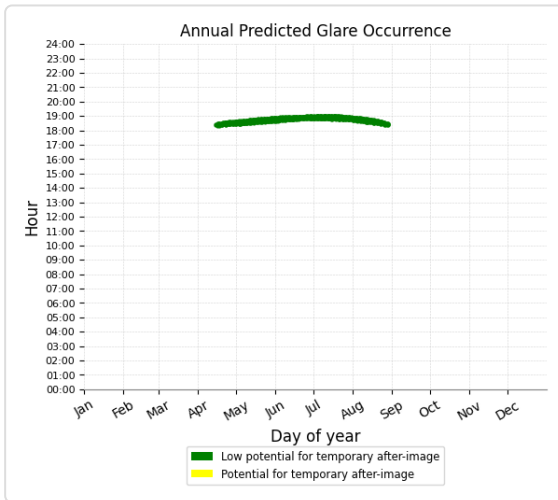
Green glare: 37 min.



PV array 8 and OP 19

Yellow glare: none

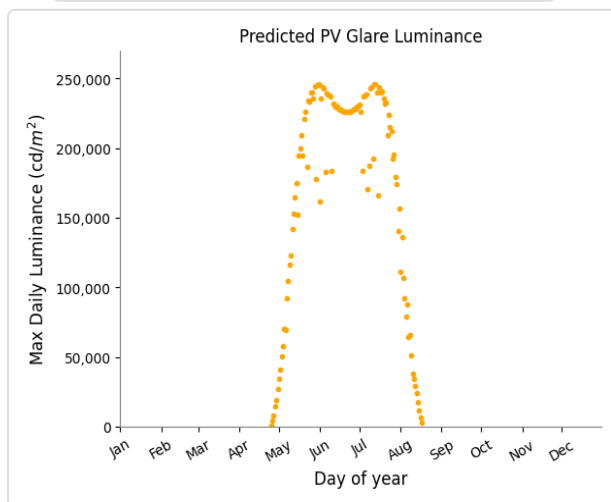
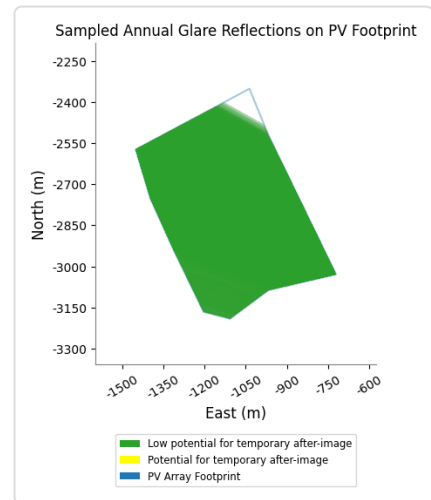
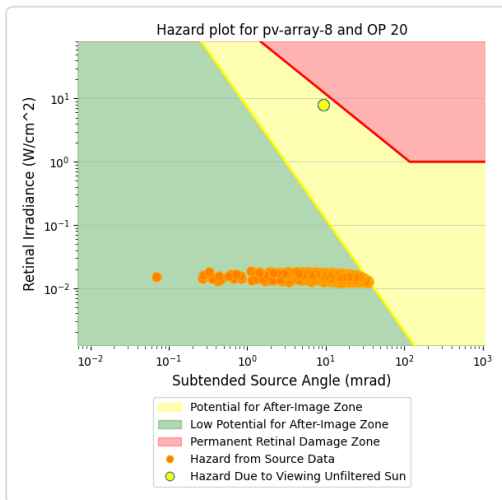
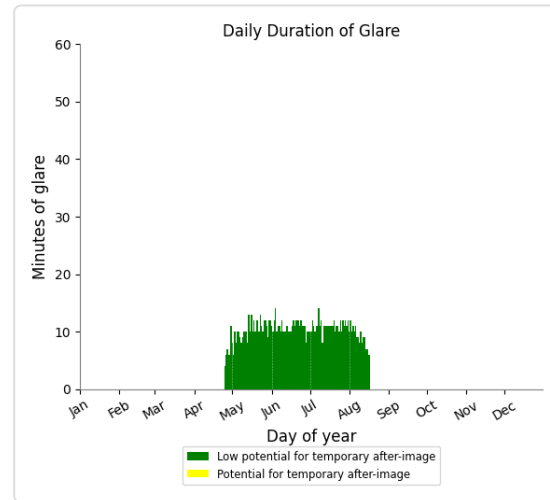
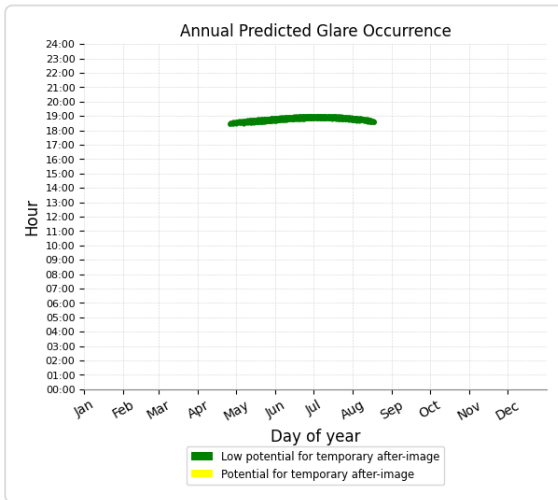
Green glare: 1,241 min.



PV array 8 and OP 20

Yellow glare: none

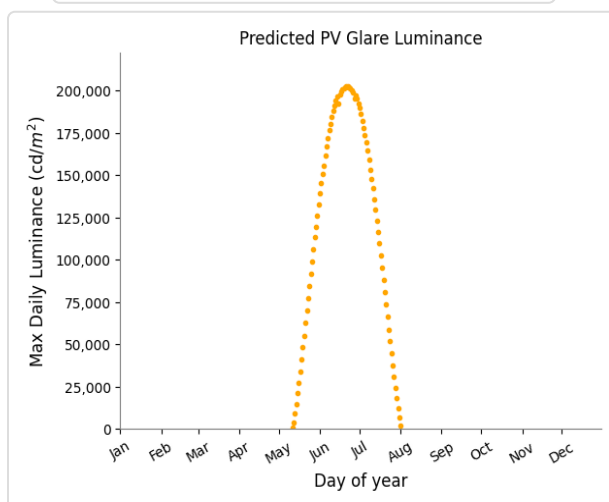
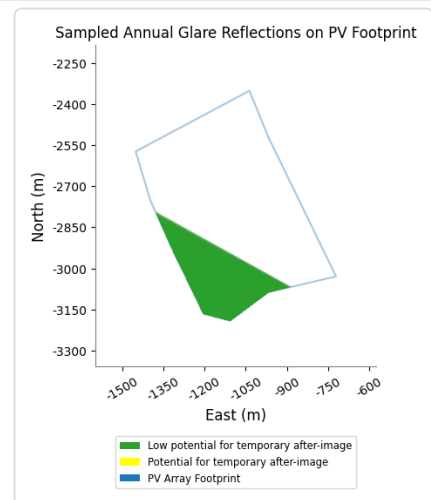
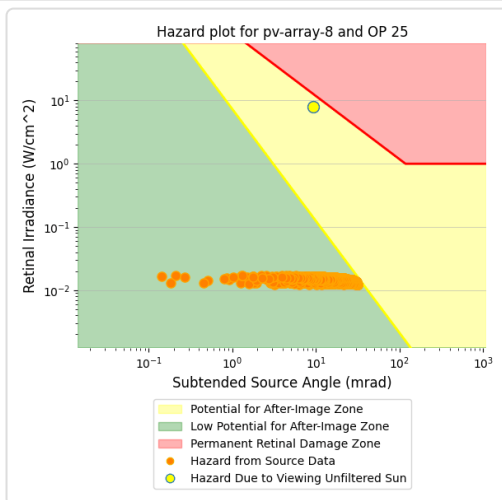
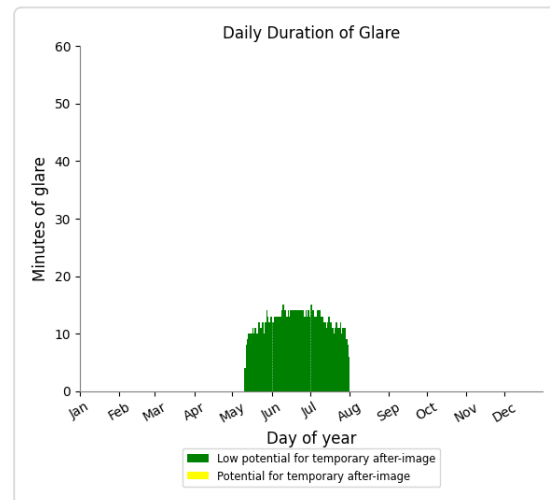
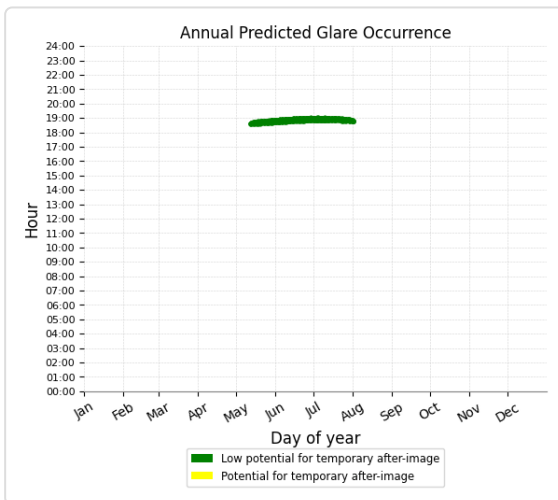
Green glare: 1,180 min.



PV array 8 and OP 25

Yellow glare: none

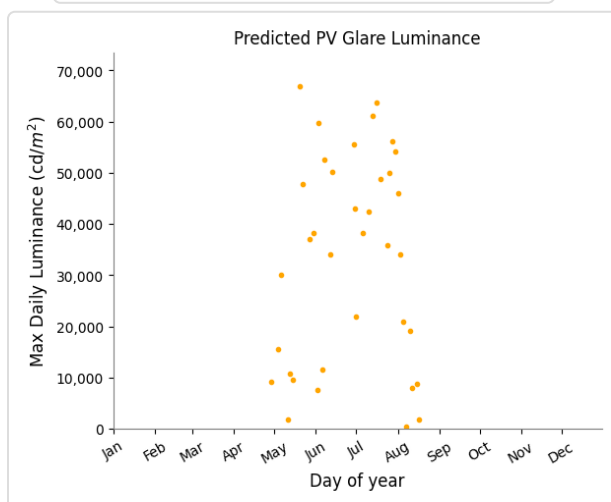
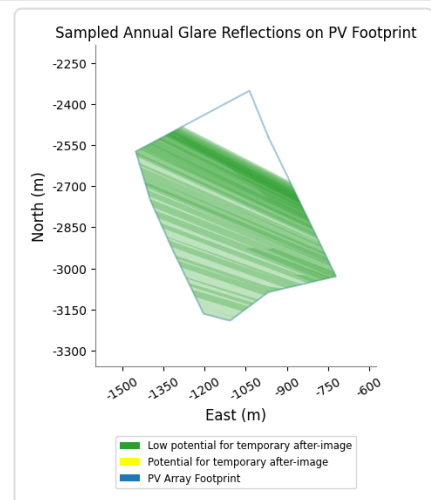
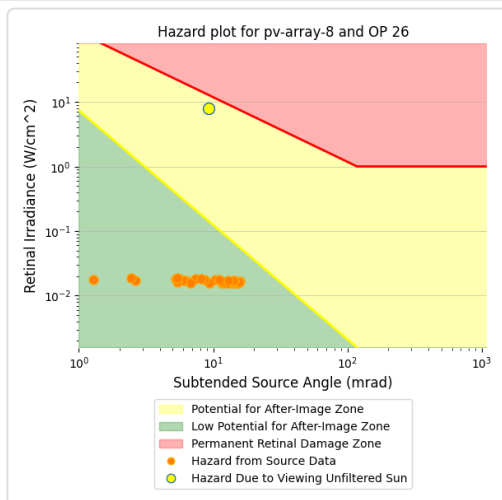
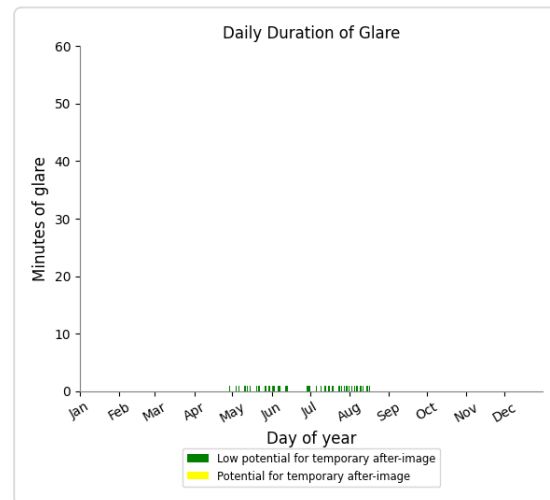
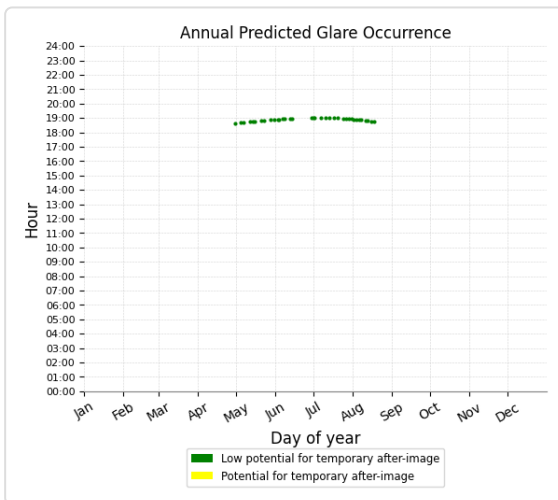
Green glare: 1,009 min.



PV array 8 and OP 26

Yellow glare: none

Green glare: 36 min.



PV array 8 and OP 3

No glare found

PV array 8 and OP 4

No glare found

PV array 8 and OP 5

No glare found

PV array 8 and OP 6

No glare found

PV array 8 and OP 10

No glare found

PV array 8 and OP 11

No glare found

PV array 8 and OP 12

No glare found

PV array 8 and OP 13

No glare found

PV array 8 and OP 21

No glare found

PV array 8 and OP 22

No glare found

PV array 8 and OP 23

No glare found

PV array 8 and OP 24

No glare found

PV array 8 and OP 27

No glare found

PV array 8 and OP 28

No glare found

PV array 8 and OP 29

No glare found

PV array 8 and OP 30

No glare found

PV array 8 and OP 31

No glare found

PV array 8 and OP 32

No glare found

PV array 8 and OP 33

No glare found

PV array 8 and OP 34

No glare found

PV array 8 and OP 35

No glare found

PV array 8 and OP 36

No glare found

PV array 8 and OP 37

No glare found

PV array 8 and OP 38

No glare found

PV array 8 and OP 39

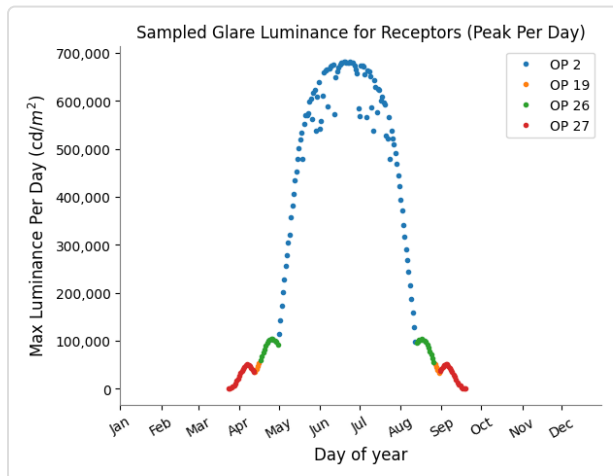
No glare found

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
OP 2	603	10.1	1,229	20.5	681,275
OP 9	555	9.2	0	0.0	261,017
OP 12	324	5.4	0	0.0	18,334
OP 13	1,284	21.4	0	0.0	52,362
OP 14	1,253	20.9	0	0.0	47,444
OP 15	1,031	17.2	0	0.0	55,172
OP 16	1,472	24.5	0	0.0	58,905
OP 17	1,233	20.6	0	0.0	59,552
OP 18	910	15.2	0	0.0	59,734
OP 19	878	14.6	0	0.0	71,674
OP 20	1,105	18.4	0	0.0	83,442
OP 21	972	16.2	0	0.0	94,641
OP 24	1,260	21.0	0	0.0	125,126
OP 25	1,857	30.9	0	0.0	137,432
OP 26	1,107	18.4	0	0.0	103,479
OP 27	617	10.3	0	0.0	51,407
OP 1	0	0.0	0	0.0	0
OP 3	0	0.0	0	0.0	0
OP 4	0	0.0	0	0.0	0
OP 5	0	0.0	0	0.0	0
OP 6	0	0.0	0	0.0	0
OP 7	0	0.0	0	0.0	0
OP 8	0	0.0	0	0.0	0
OP 10	0	0.0	0	0.0	0
OP 11	0	0.0	0	0.0	0
OP 22	0	0.0	0	0.0	0
OP 23	0	0.0	0	0.0	0
OP 28	0	0.0	0	0.0	0
OP 29	0	0.0	0	0.0	0
OP 30	0	0.0	0	0.0	0
OP 31	0	0.0	0	0.0	0
OP 32	0	0.0	0	0.0	0
OP 33	0	0.0	0	0.0	0
OP 34	0	0.0	0	0.0	0
OP 35	0	0.0	0	0.0	0
OP 36	0	0.0	0	0.0	0
OP 37	0	0.0	0	0.0	0
OP 38	0	0.0	0	0.0	0

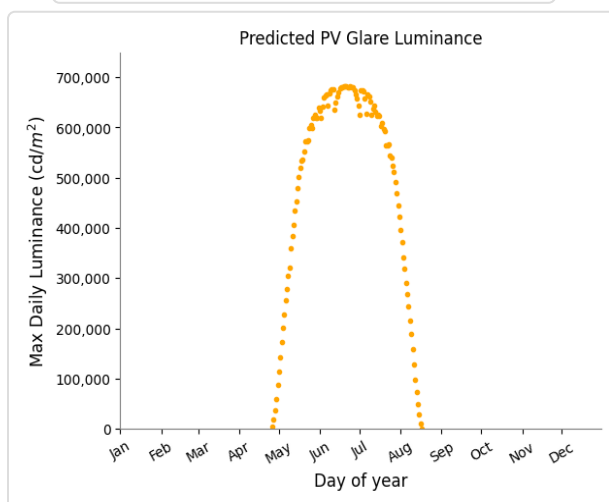
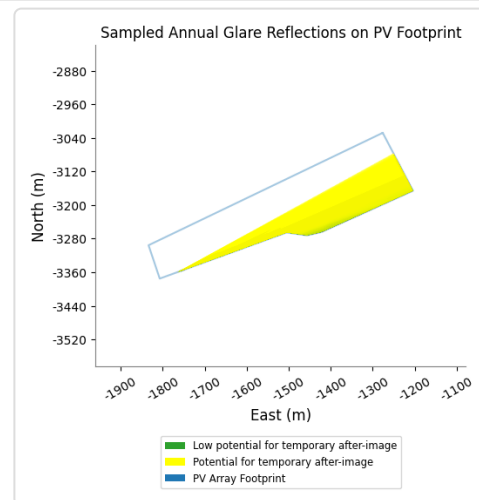
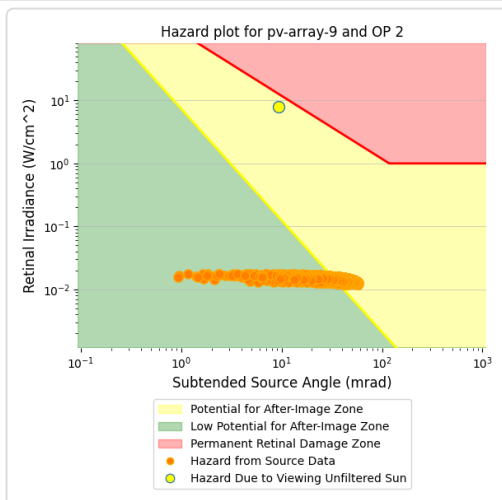
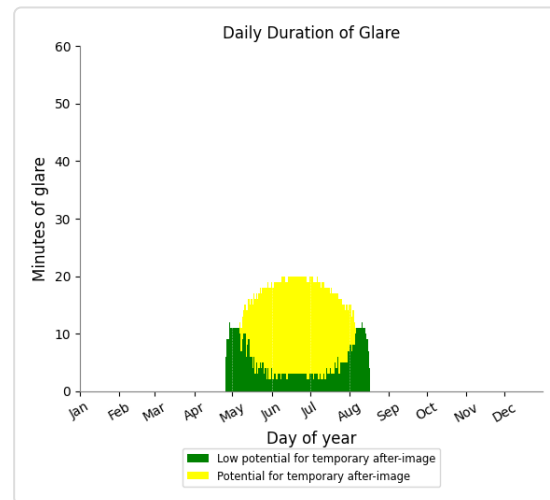
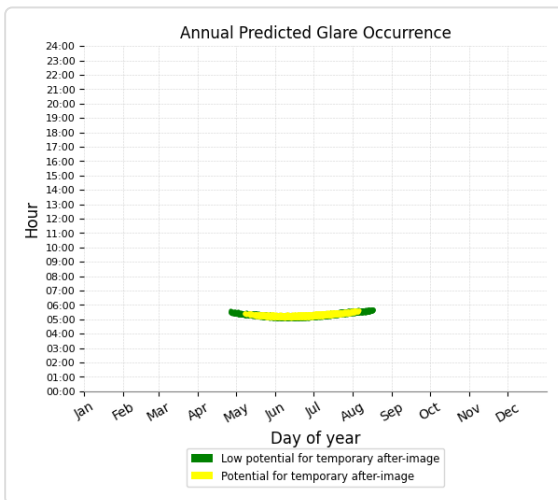
Receptor	Annual Green Glare		Annual Yellow Glare		Peak Luminance
	min	hr	min	hr	cd/m ²
OP 39	0	0.0	0	0.0	0



PV array 9 and OP 2

Yellow glare: 1,229 min.

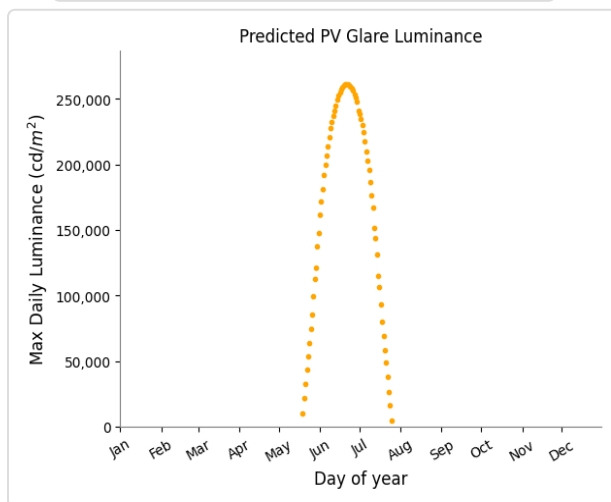
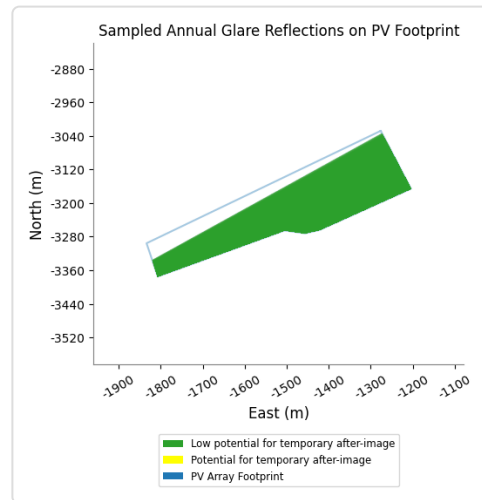
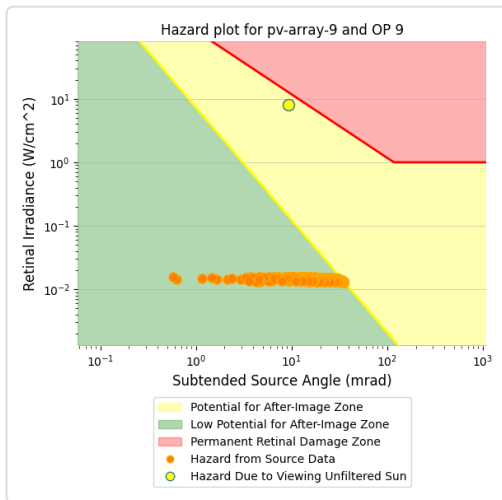
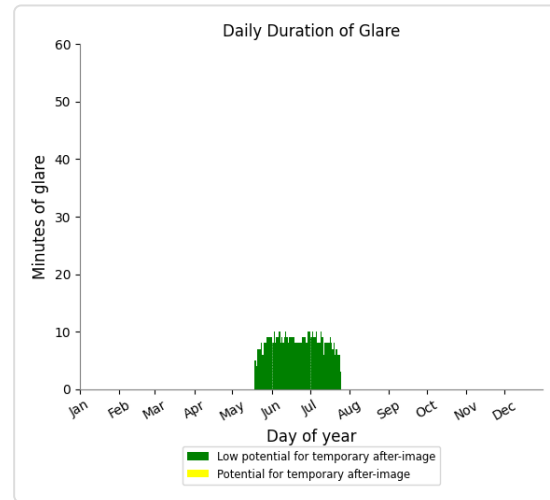
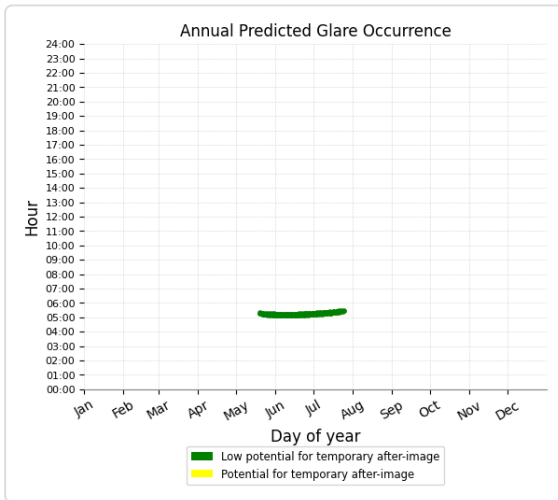
Green glare: 603 min.



PV array 9 and OP 9

Yellow glare: none

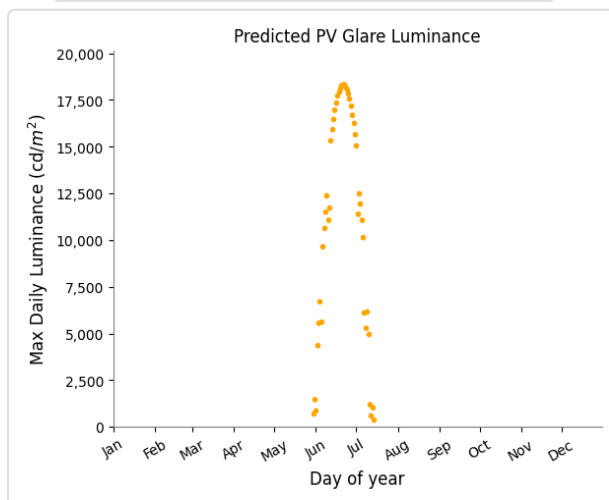
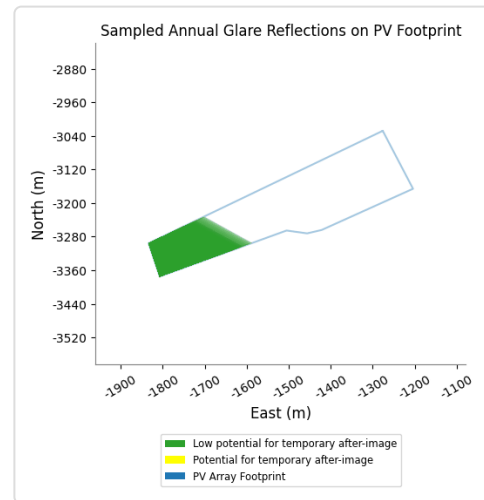
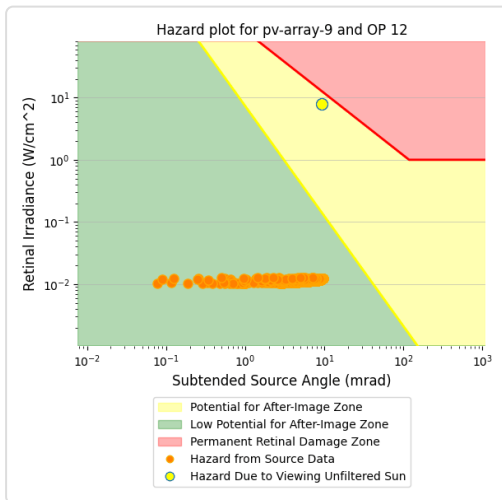
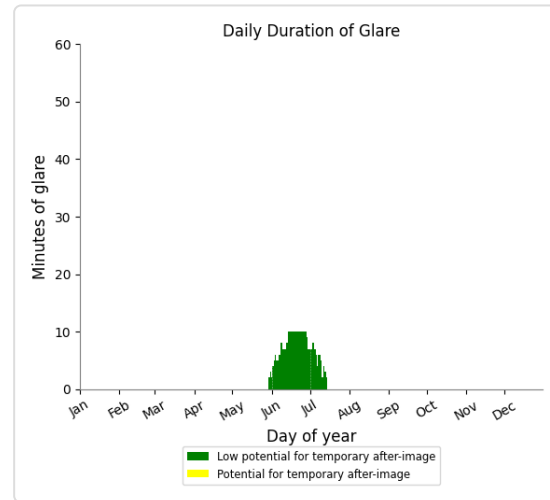
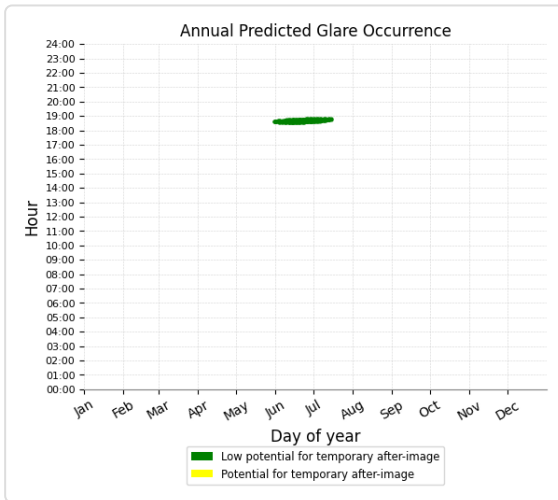
Green glare: 555 min.



PV array 9 and OP 12

Yellow glare: none

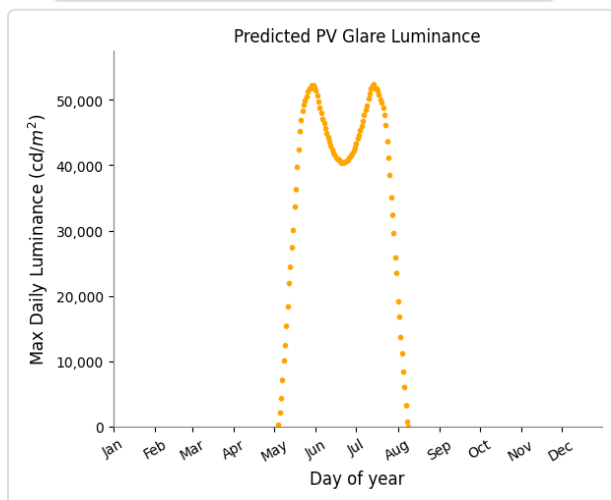
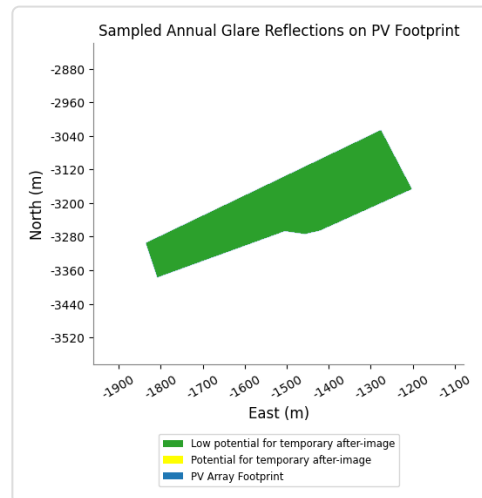
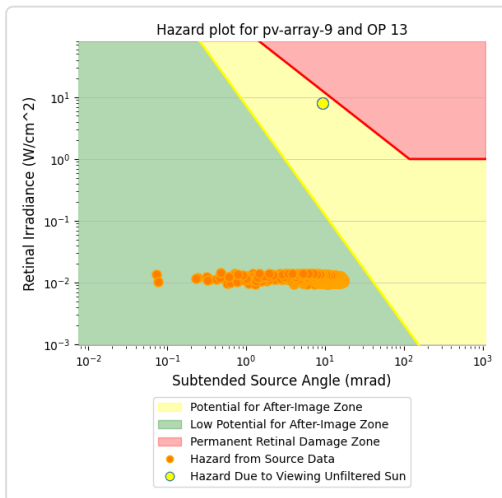
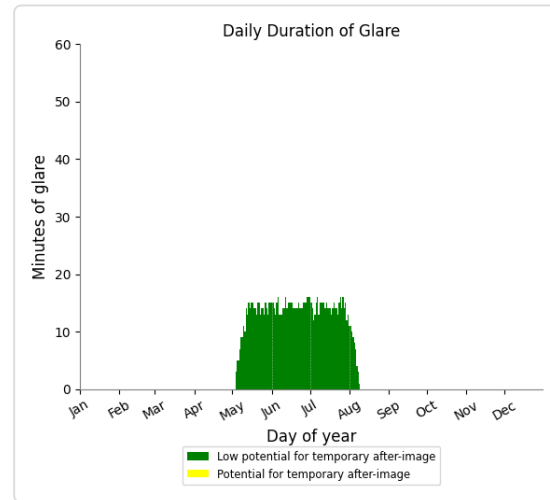
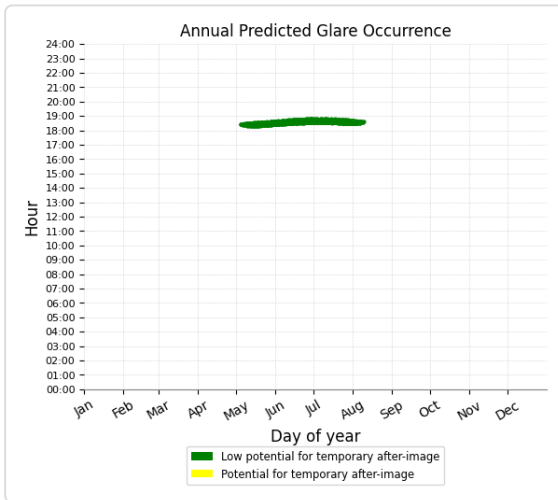
Green glare: 324 min.



PV array 9 and OP 13

Yellow glare: none

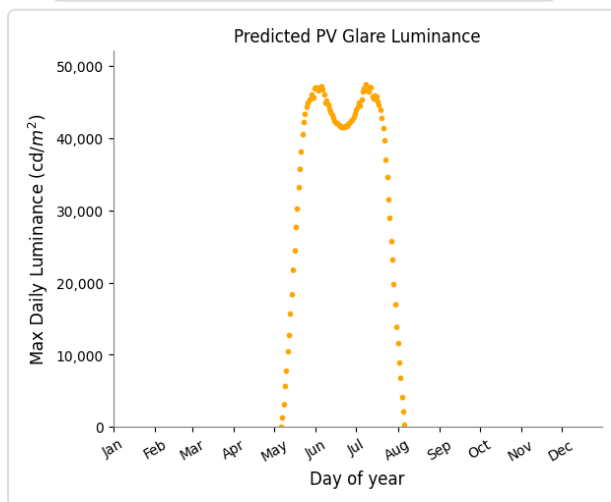
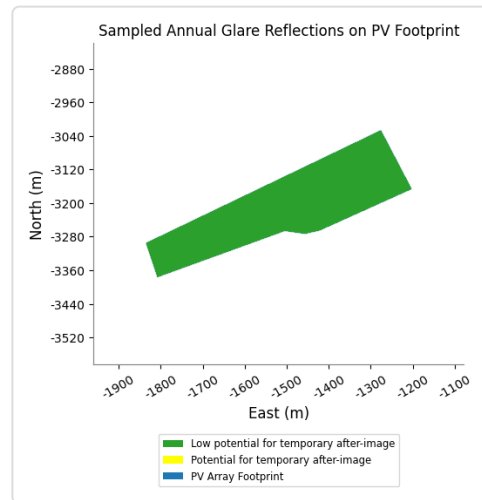
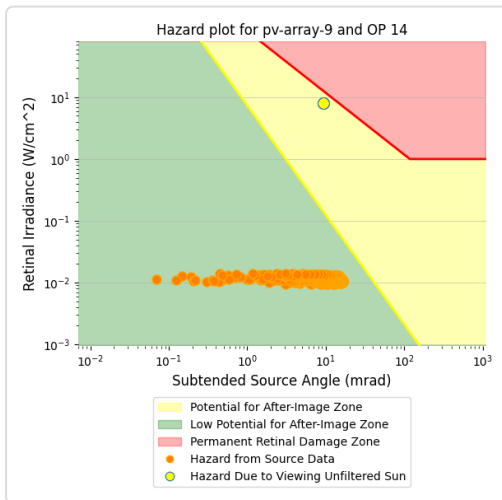
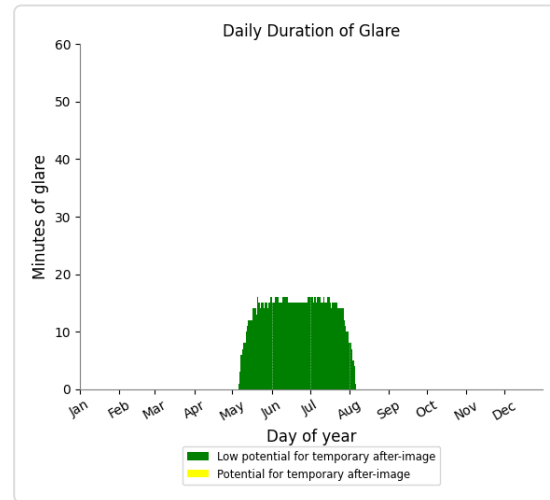
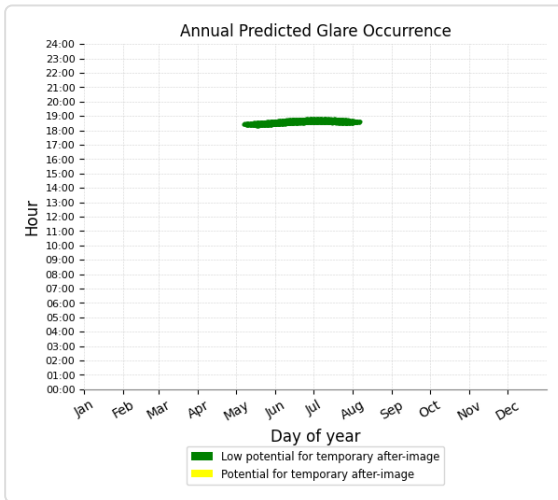
Green glare: 1,284 min.



PV array 9 and OP 14

Yellow glare: none

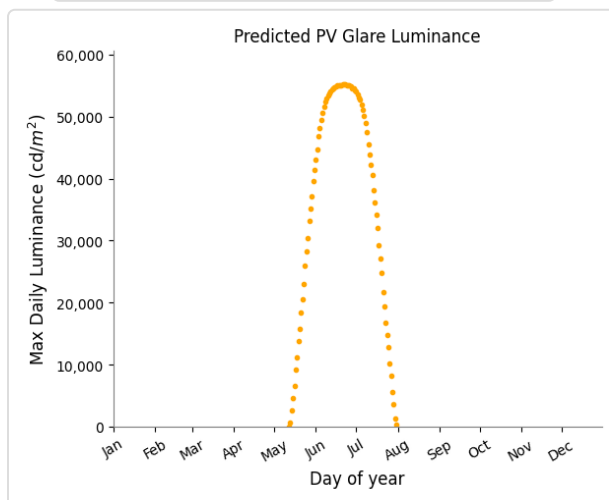
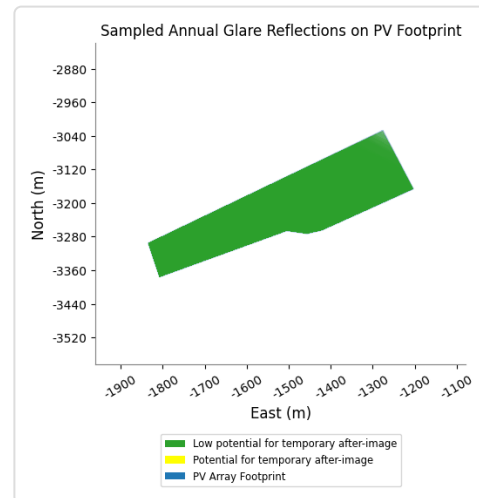
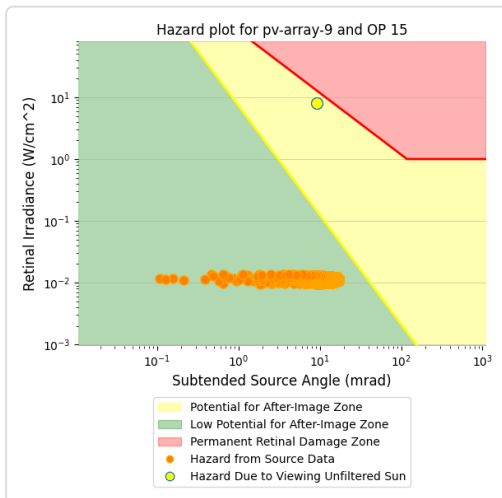
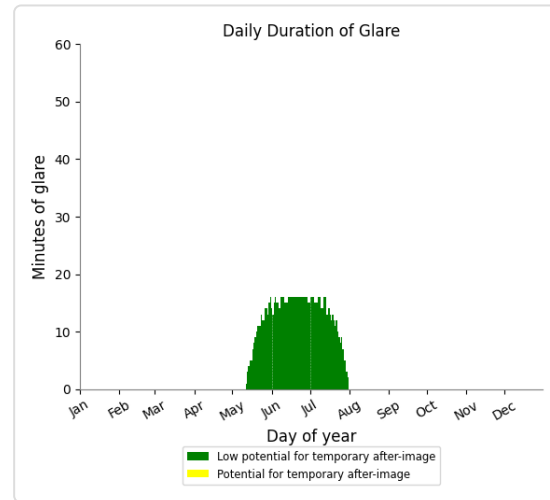
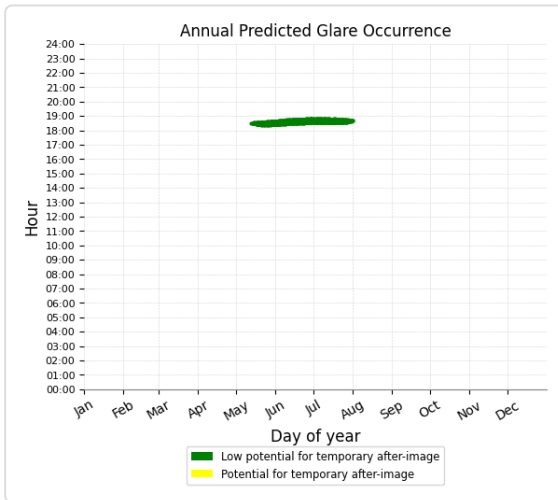
Green glare: 1,253 min.



PV array 9 and OP 15

Yellow glare: none

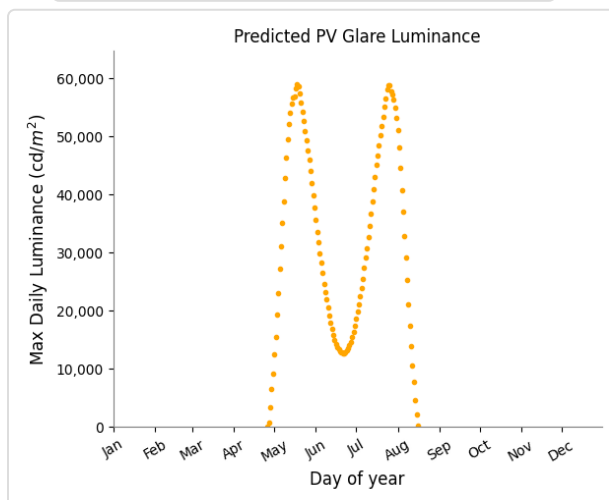
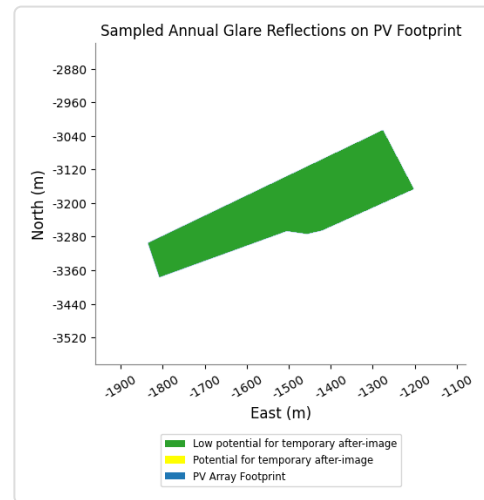
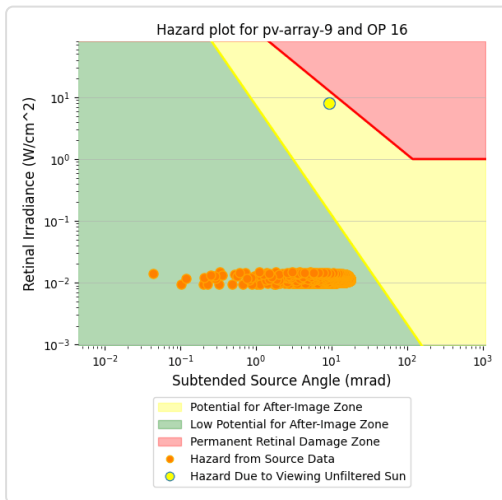
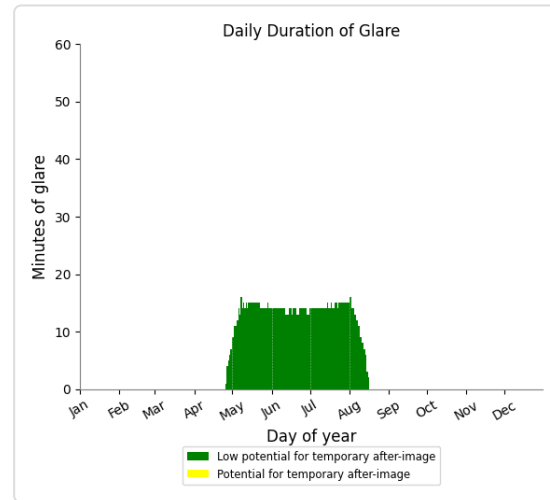
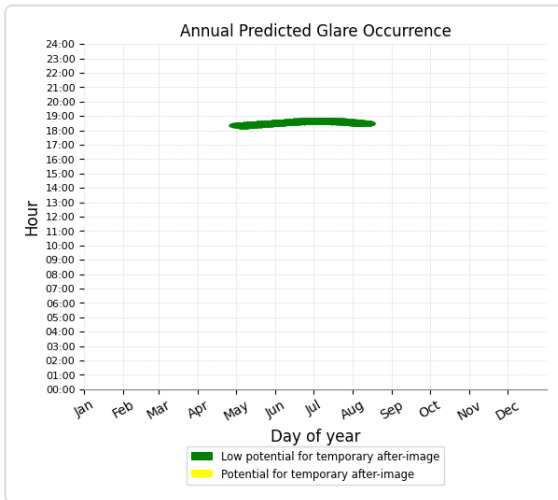
Green glare: 1,031 min.



PV array 9 and OP 16

Yellow glare: none

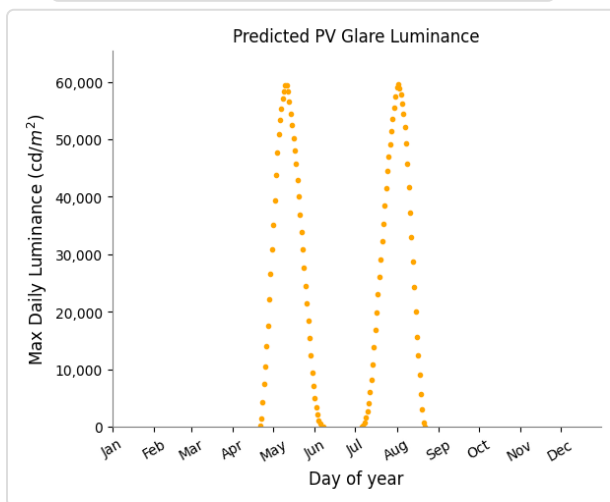
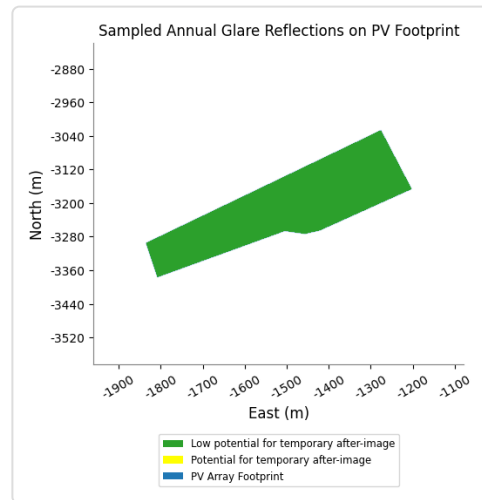
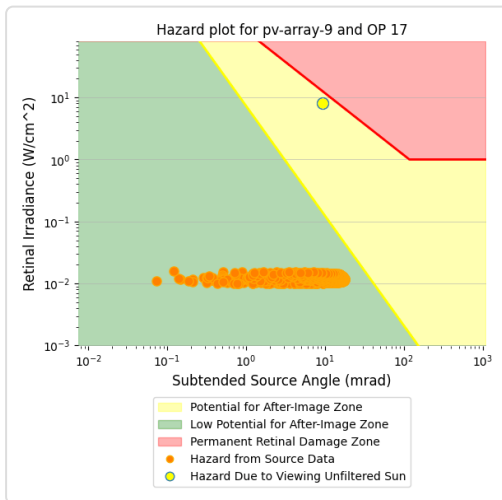
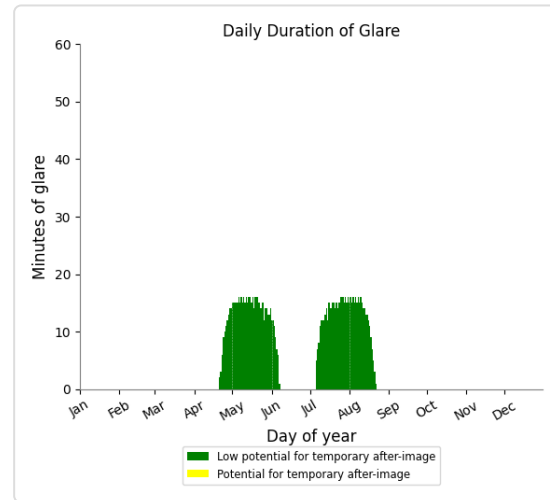
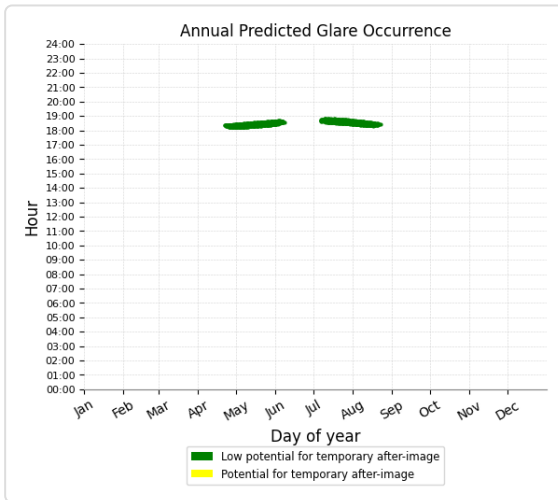
Green glare: 1,472 min.



PV array 9 and OP 17

Yellow glare: none

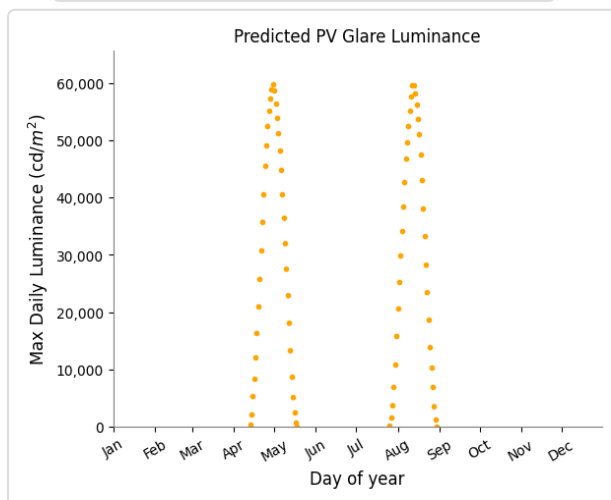
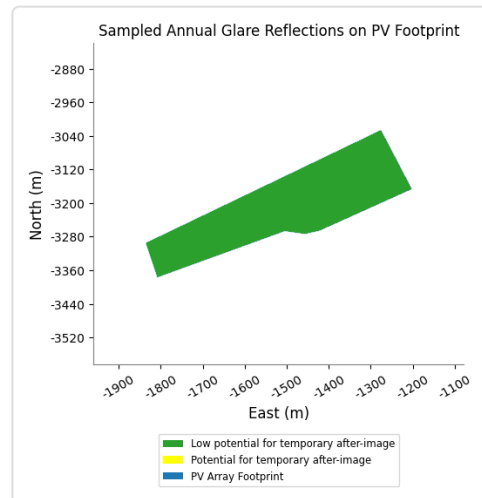
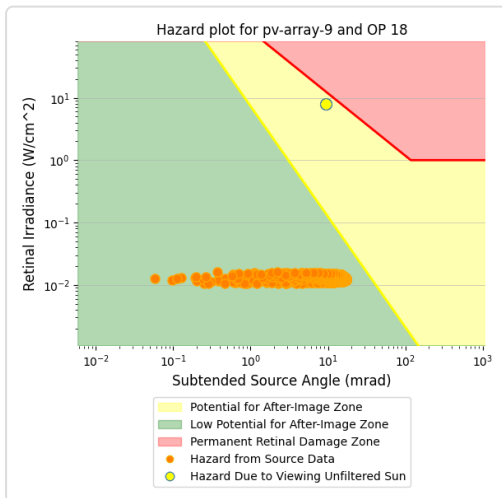
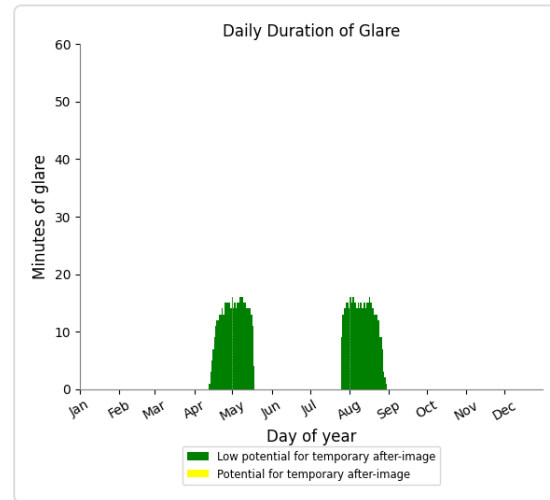
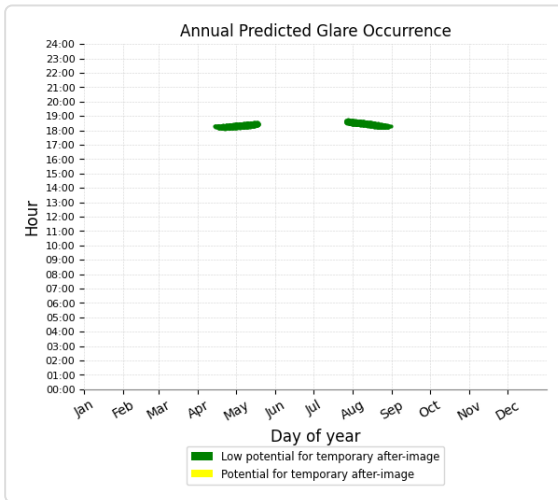
Green glare: 1,233 min.



PV array 9 and OP 18

Yellow glare: none

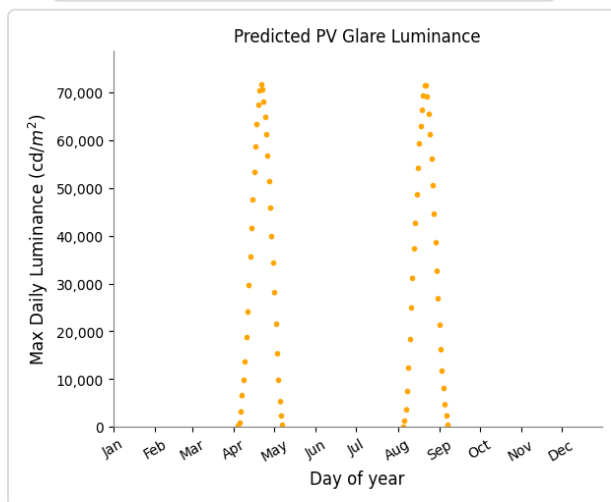
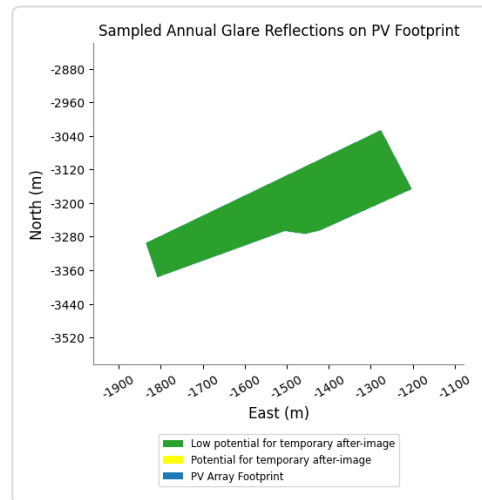
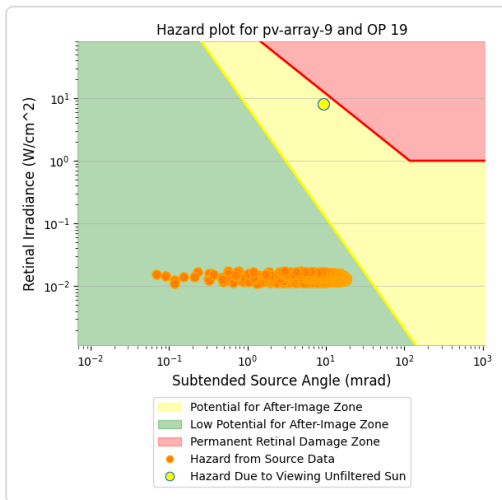
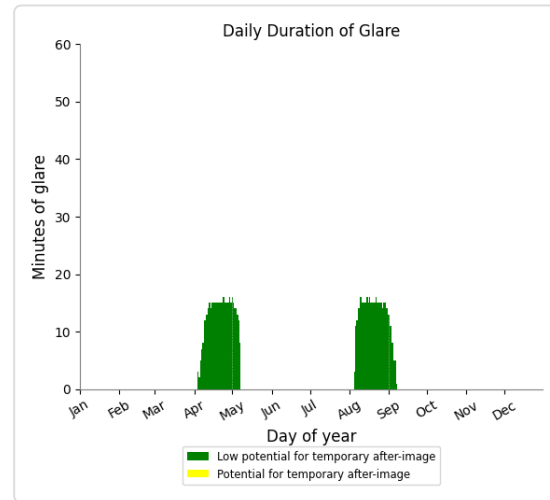
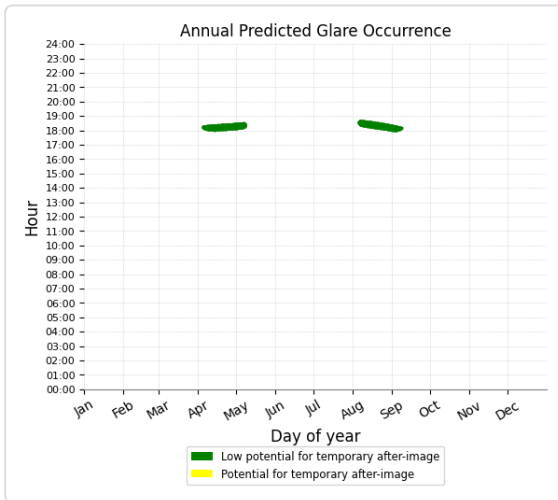
Green glare: 910 min.



PV array 9 and OP 19

Yellow glare: none

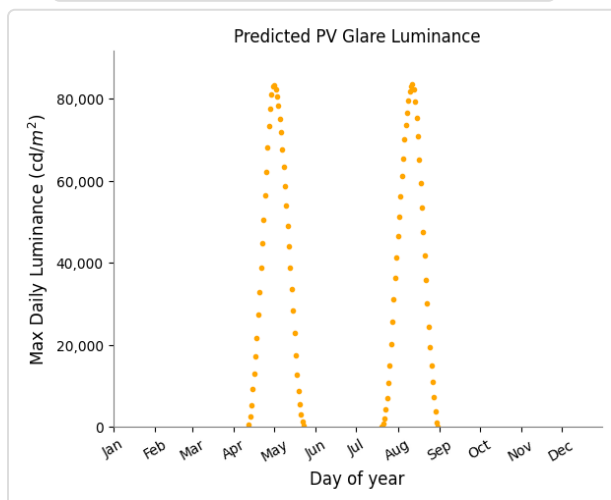
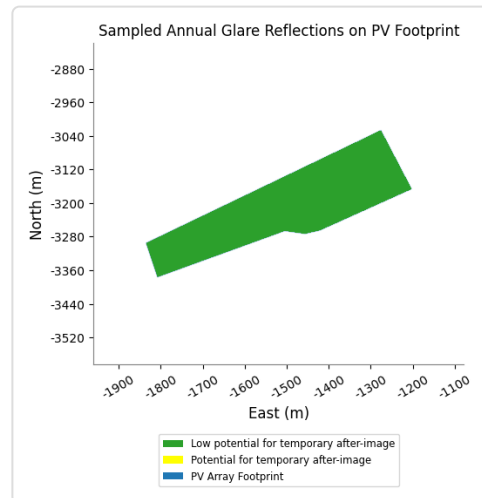
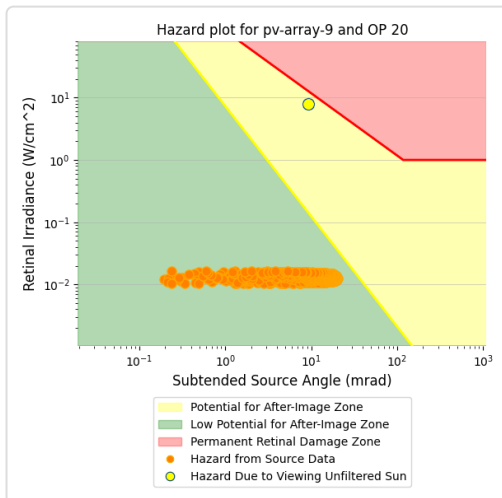
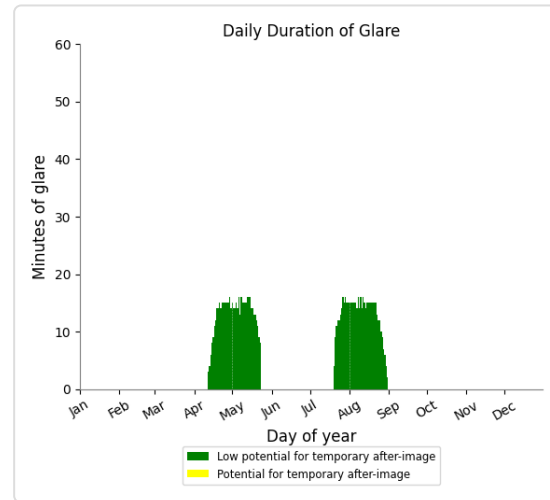
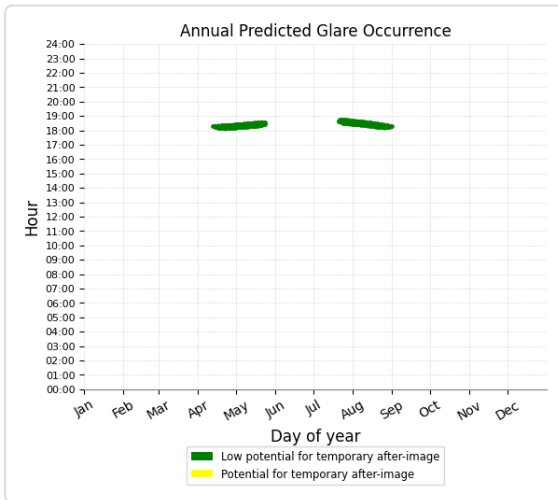
Green glare: 878 min.



PV array 9 and OP 20

Yellow glare: none

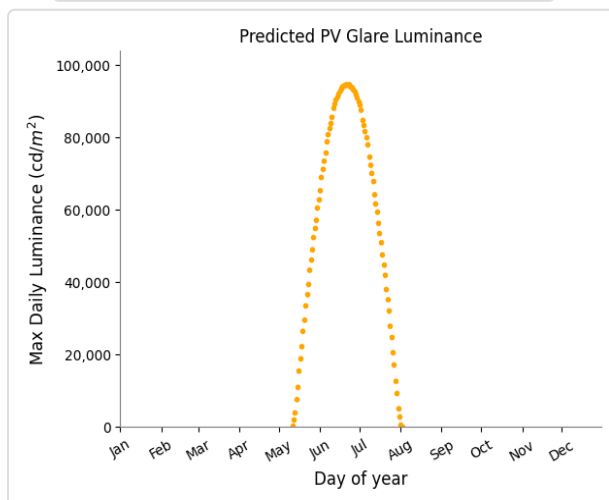
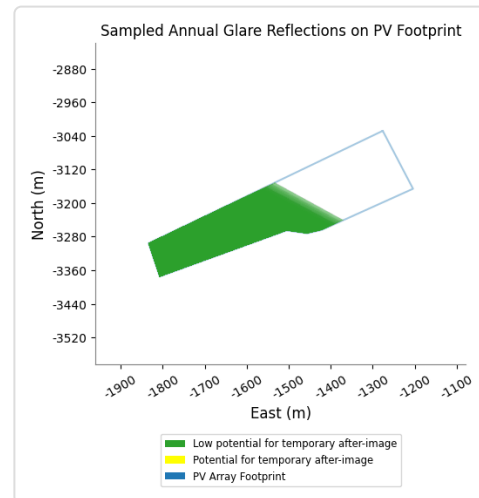
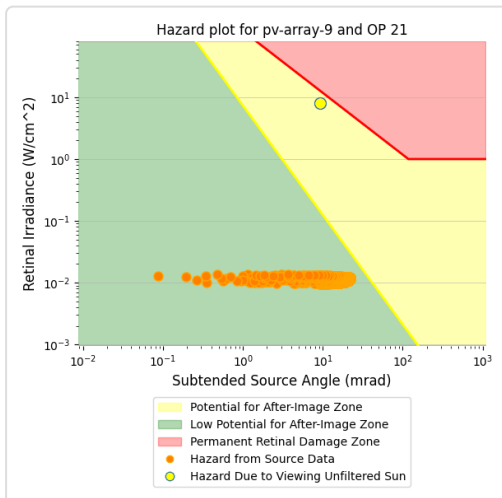
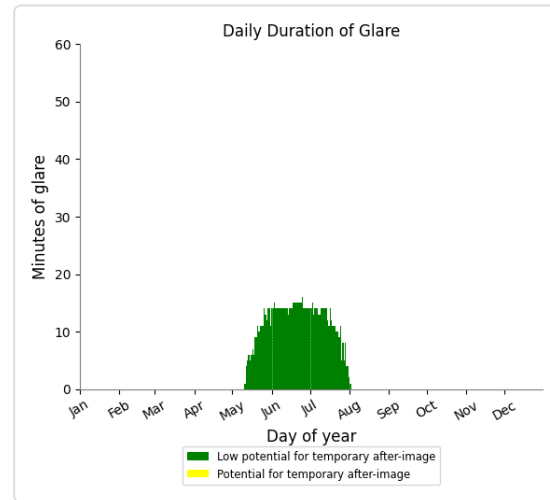
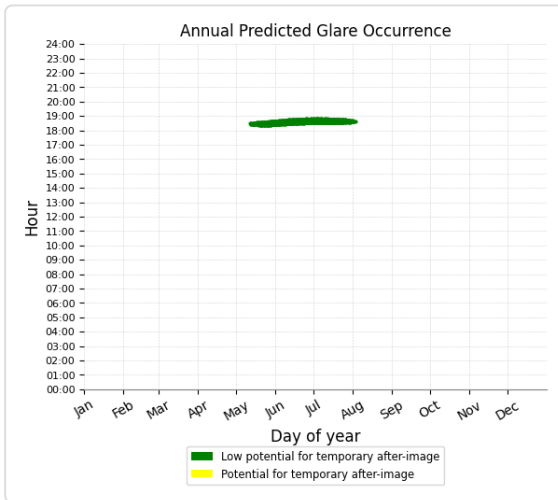
Green glare: 1,105 min.



PV array 9 and OP 21

Yellow glare: none

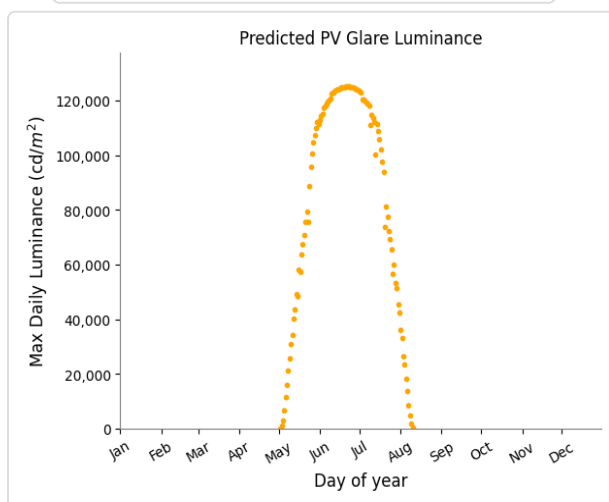
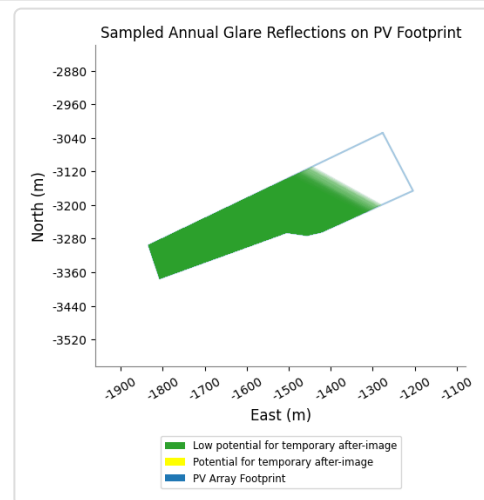
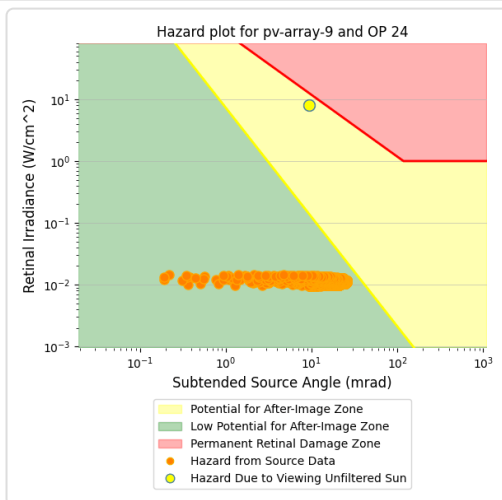
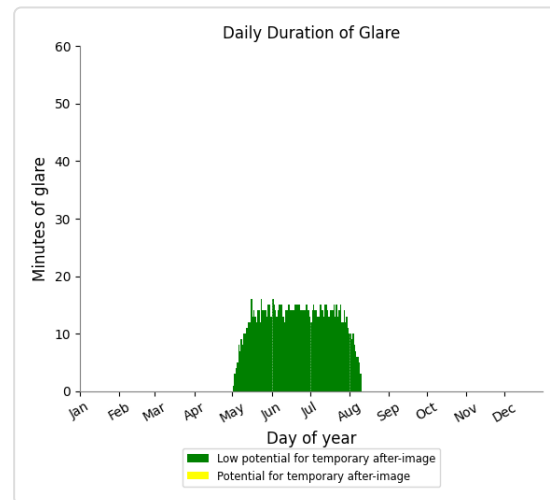
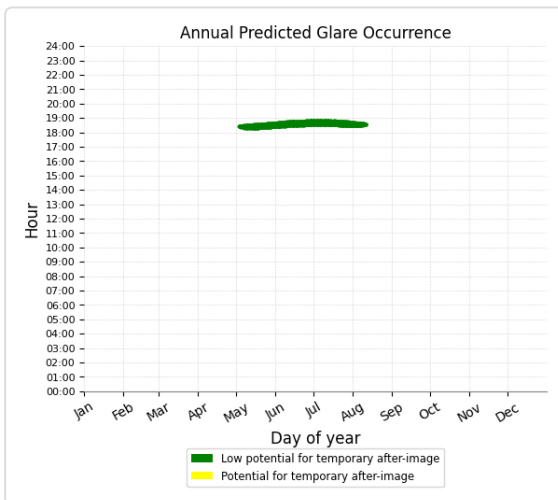
Green glare: 972 min.



PV array 9 and OP 24

Yellow glare: none

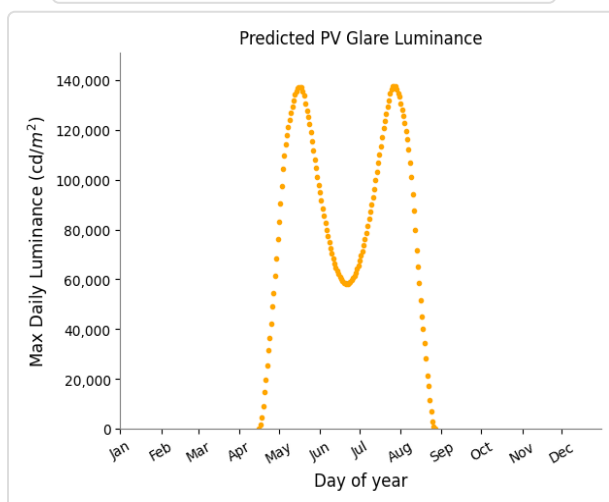
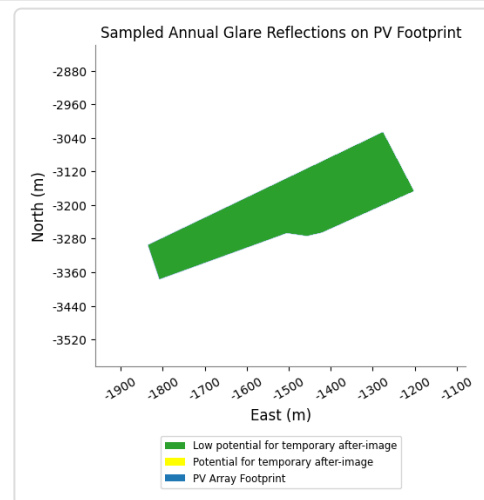
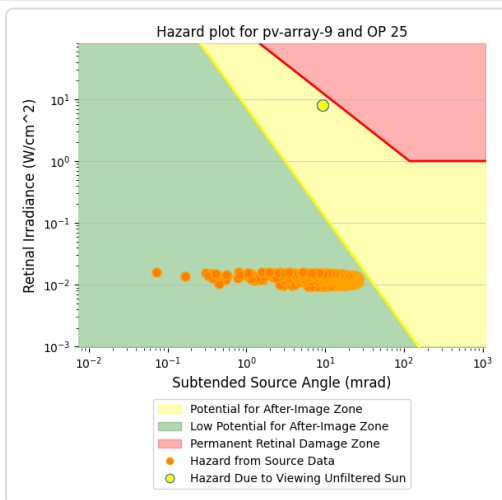
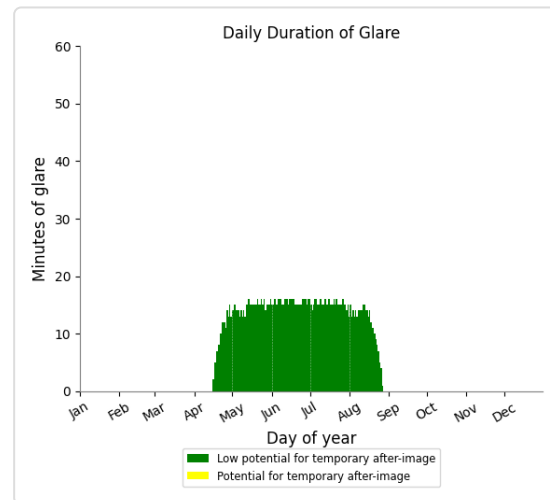
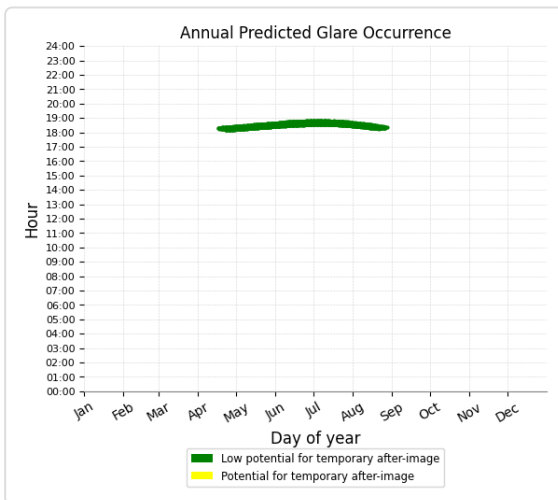
Green glare: 1,260 min.



PV array 9 and OP 25

Yellow glare: none

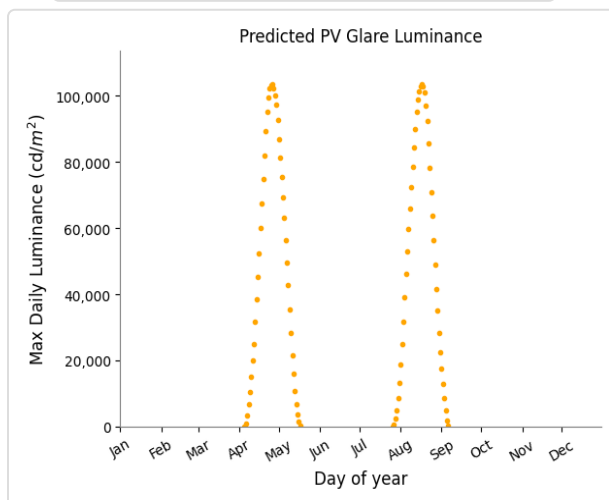
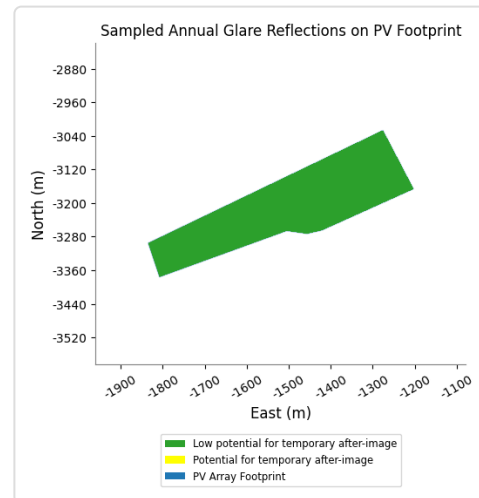
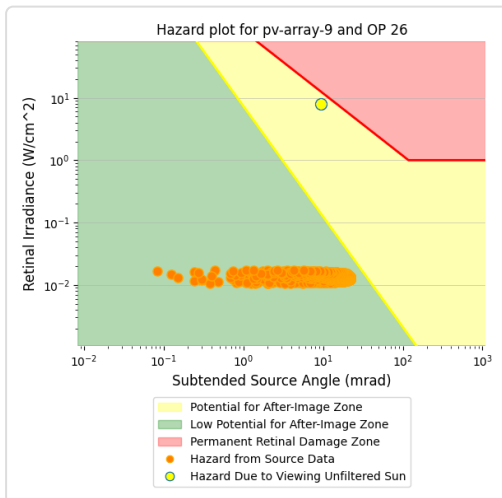
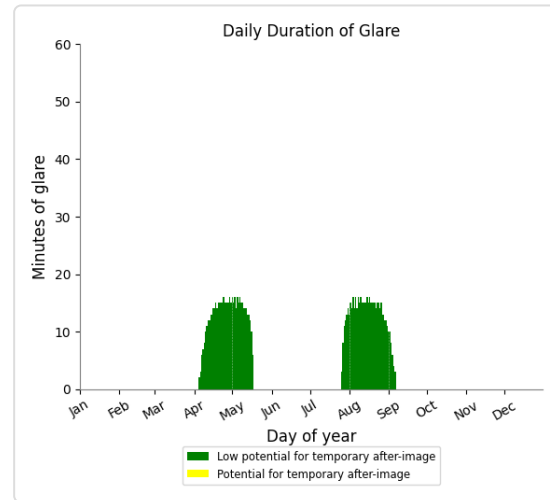
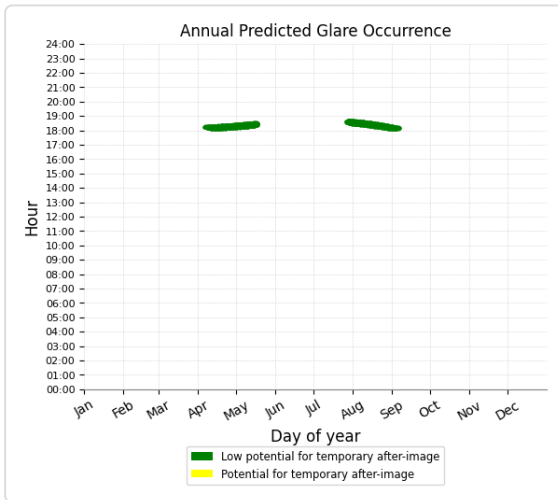
Green glare: 1,857 min.



PV array 9 and OP 26

Yellow glare: none

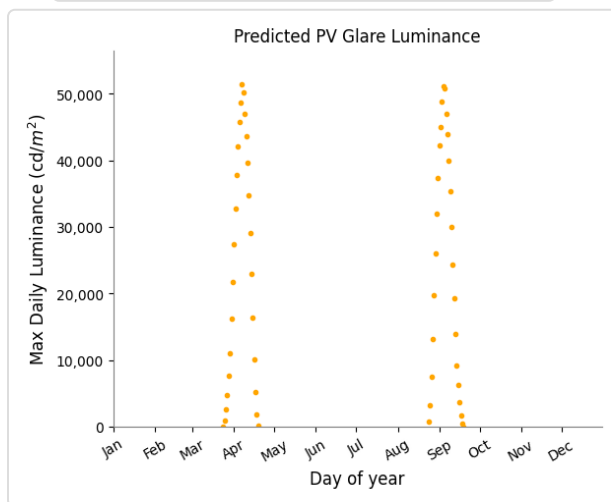
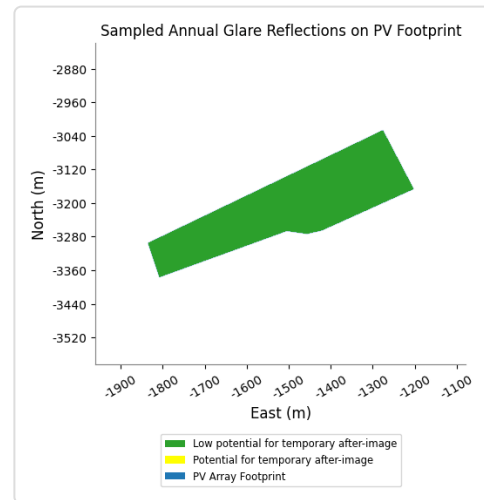
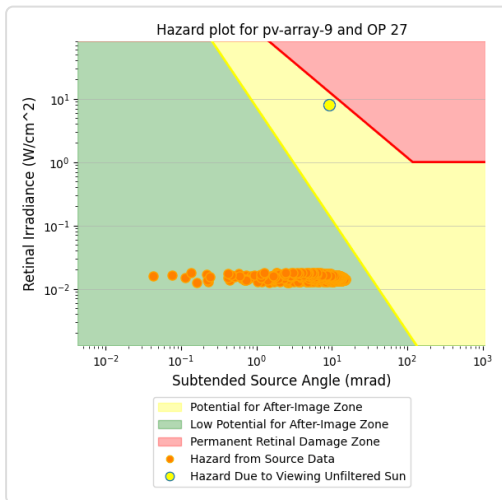
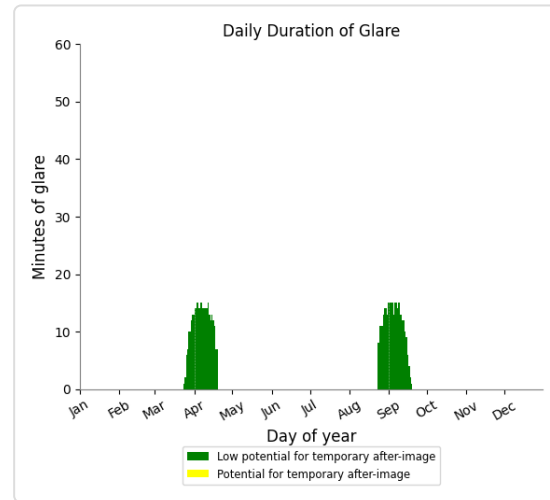
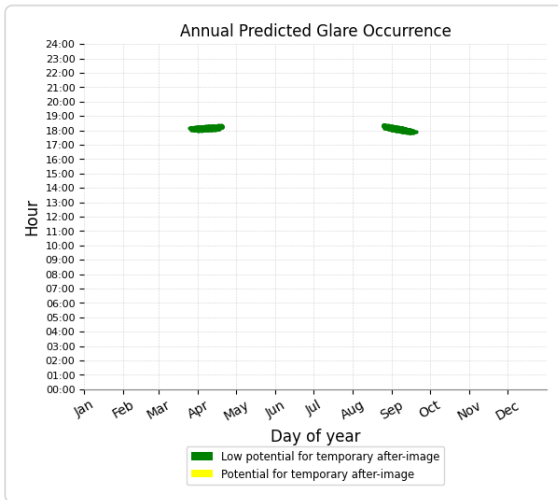
Green glare: 1,107 min.



PV array 9 and OP 27

Yellow glare: none

Green glare: 617 min.



PV array 9 and OP 1

No glare found

PV array 9 and OP 3

No glare found

PV array 9 and OP 4

No glare found

PV array 9 and OP 5

No glare found

PV array 9 and OP 6

No glare found

PV array 9 and OP 7

No glare found

PV array 9 and OP 8

No glare found

PV array 9 and OP 10

No glare found

PV array 9 and OP 11

No glare found

PV array 9 and OP 22

No glare found

PV array 9 and OP 23

No glare found

PV array 9 and OP 28

No glare found

PV array 9 and OP 29

No glare found

PV array 9 and OP 30

No glare found

PV array 9 and OP 31

No glare found

PV array 9 and OP 32

No glare found

PV array 9 and OP 33

No glare found

PV array 9 and OP 34

No glare found

PV array 9 and OP 35

No glare found

PV array 9 and OP 36

No glare found

PV array 9 and OP 37

No glare found

PV array 9 and OP 38

No glare found

PV array 9 and OP 39

No glare found

Assumptions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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