



Appendix 7B: Residential Receptor Glare (10 Deg)



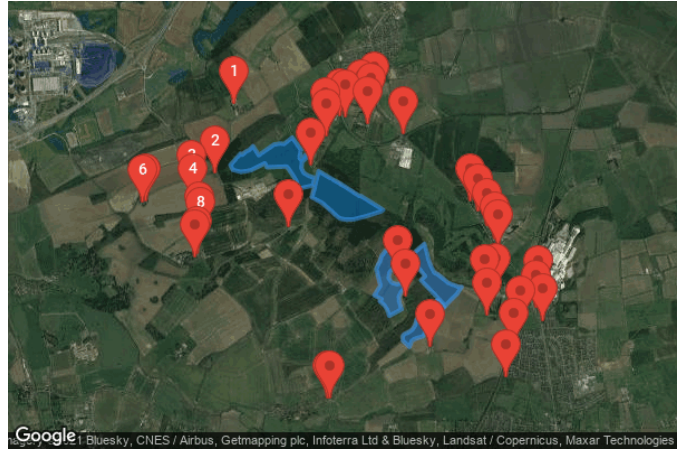


Kingston Solar Farm

Kingston Solar Farm Residential 10Deg

Created Aug. 11, 2021
 Updated Aug. 11, 2021
 Time-step 1 minute
 Timezone offset UTC0
 Site ID 57207.10138

Project type Advanced
 Project status: active
 Category 10 MW to 100 MW



Misc. Analysis Settings

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

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

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

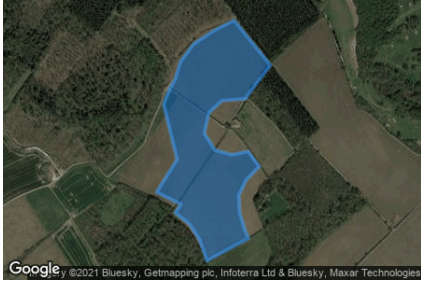
PV Name	Tilt deg	Orientation deg	"Green" Glare min	"Yellow" Glare min	Energy Produced kWh
Central PV Array	10.0	180.0	7,864	21,756	-
Eastern PV Array	10.0	180.0	3,230	19,037	-
Southern PV Array	10.0	180.0	4,721	13,235	-
Western PV Array	10.0	180.0	8,909	36,980	-

Component Data

PV Array(s)

Total PV footprint area: 652,007 m²

Name: Central PV Array
Axis tracking: Fixed (no rotation)
Tilt: 10.0 deg
Orientation: 180.0 deg
Footprint area: 132,824 m²
Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad



Vertex	Latitude deg	Longitude deg	Ground elevation m	Height above ground m	Total elevation m
1	52.848987	-1.201839	96.58	2.80	99.38
2	52.847743	-1.200166	96.44	2.80	99.24
3	52.846810	-1.201324	93.14	2.80	95.94
4	52.846758	-1.202397	91.84	2.80	94.64
5	52.846421	-1.202998	90.05	2.80	92.85
6	52.845851	-1.203213	89.14	2.80	91.94
7	52.845385	-1.202719	89.74	2.80	92.54
8	52.845255	-1.201947	90.82	2.80	93.62
9	52.845346	-1.201196	92.07	2.80	94.87
10	52.844931	-1.200681	91.18	2.80	93.98
11	52.844555	-1.201282	89.97	2.80	92.77
12	52.844127	-1.201625	88.30	2.80	91.10
13	52.843648	-1.201582	86.48	2.80	89.28
14	52.843129	-1.201324	84.47	2.80	87.27
15	52.842935	-1.201174	82.65	2.80	85.45
16	52.842313	-1.203084	80.74	2.80	83.54
17	52.842896	-1.203427	84.27	2.80	87.07
18	52.843324	-1.203878	87.66	2.80	90.46
19	52.843648	-1.204543	86.76	2.80	89.56
20	52.843881	-1.204286	86.82	2.80	89.62
21	52.844218	-1.205401	81.43	2.80	84.23
22	52.845125	-1.204457	85.10	2.80	87.90
23	52.846655	-1.205080	82.01	2.80	84.81
24	52.847056	-1.204822	85.02	2.80	87.82
25	52.847367	-1.204543	86.44	2.80	89.24
26	52.847834	-1.204307	87.45	2.80	90.25
27	52.848326	-1.203706	91.82	2.80	94.62
28	52.848702	-1.202762	92.71	2.80	95.51

Name: Eastern PV Array
Axis tracking: Fixed (no rotation)
Tilt: 10.0 deg
Orientation: 180.0 deg
Footprint area: 105,300 m²
Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad



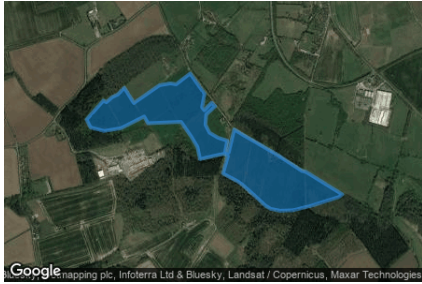
Vertex	Latitude deg	Longitude deg	Ground elevation m	Height above ground m	Total elevation m
1	52.848995	-1.197688	96.44	2.80	99.24
2	52.848360	-1.197387	95.39	2.80	98.19
3	52.847479	-1.197044	94.28	2.80	97.08
4	52.846818	-1.196615	93.25	2.80	96.05
5	52.846325	-1.196164	92.60	2.80	95.40
6	52.846196	-1.195714	92.11	2.80	94.91
7	52.845807	-1.194877	92.17	2.80	94.97
8	52.845379	-1.194061	92.96	2.80	95.76
9	52.844991	-1.192388	93.06	2.80	95.86
10	52.844991	-1.191959	93.08	2.80	95.88
11	52.844330	-1.192688	93.00	2.80	95.80
12	52.843889	-1.193461	93.10	2.80	95.90
13	52.843254	-1.194469	92.64	2.80	95.44
14	52.845613	-1.198203	94.92	2.80	97.72
15	52.846001	-1.197580	95.01	2.80	97.81
16	52.847777	-1.199941	96.64	2.80	99.44

Name: Southern PV Array
Axis tracking: Fixed (no rotation)
Tilt: 10.0 deg
Orientation: 180.0 deg
Footprint area: 63,120 m²
Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad



Vertex	Latitude deg	Longitude deg	Ground elevation m	Height above ground m	Total elevation m
1	52.843772	-1.195693	91.46	2.80	94.26
2	52.843111	-1.194663	93.99	2.80	96.79
3	52.842683	-1.195564	92.28	2.80	95.08
4	52.842152	-1.196315	91.71	2.80	94.51
5	52.841426	-1.196980	91.38	2.80	94.18
6	52.840713	-1.197624	90.47	2.80	93.27
7	52.840441	-1.197838	90.31	2.80	93.11
8	52.840182	-1.199212	88.30	2.80	91.10
9	52.840013	-1.199641	87.99	2.80	90.79
10	52.839741	-1.199791	87.54	2.80	90.34
11	52.839443	-1.199984	88.09	2.80	90.89
12	52.840052	-1.201014	83.30	2.80	86.10
13	52.840480	-1.200993	78.20	2.80	81.00
14	52.840648	-1.200735	79.17	2.80	81.97
15	52.840804	-1.200134	82.43	2.80	85.23
16	52.841024	-1.199576	84.40	2.80	87.20
17	52.841452	-1.199104	85.12	2.80	87.92
18	52.841996	-1.198890	83.52	2.80	86.32
19	52.842359	-1.198418	85.08	2.80	87.88
20	52.842657	-1.197881	87.03	2.80	89.83

Name: Western PV Array
Axis tracking: Fixed (no rotation)
Tilt: 10.0 deg
Orientation: 180.0 deg
Footprint area: 350,763 m²
Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad



Vertex	Latitude deg	Longitude deg	Ground elevation m	Height above ground m	Total elevation m
1	52.857326	-1.226006	85.78	2.80	88.58
2	52.856276	-1.227551	83.98	2.80	86.78
3	52.855836	-1.227186	83.12	2.80	85.92
4	52.855641	-1.225941	78.84	2.80	81.64
5	52.855797	-1.224396	78.16	2.80	80.96
6	52.856445	-1.222251	83.48	2.80	86.28
7	52.856069	-1.221907	79.29	2.80	82.09
8	52.856147	-1.218860	82.71	2.80	85.51
9	52.855343	-1.217938	79.35	2.80	82.15
10	52.854760	-1.217358	81.43	2.80	84.23
11	52.854086	-1.217122	83.25	2.80	86.05
12	52.854281	-1.215706	85.51	2.80	88.31
13	52.854384	-1.214891	86.05	2.80	88.85
14	52.854247	-1.214556	86.06	2.80	88.86
15	52.853288	-1.215007	86.17	2.80	88.97
16	52.852861	-1.213676	85.74	2.80	88.54
17	52.852679	-1.213247	86.03	2.80	88.83
18	52.852096	-1.212153	85.92	2.80	88.72
19	52.851500	-1.211080	86.35	2.80	89.15
20	52.851332	-1.210608	86.08	2.80	88.88
21	52.851228	-1.209750	86.36	2.80	89.16
22	52.851254	-1.208591	87.09	2.80	89.89
23	52.851500	-1.206917	88.98	2.80	91.78
24	52.851993	-1.204342	93.00	2.80	95.80
25	52.852135	-1.204042	94.13	2.80	96.93
26	52.853392	-1.207411	90.98	2.80	93.78
27	52.853431	-1.207754	90.78	2.80	93.58
28	52.854364	-1.210114	89.71	2.80	92.51
29	52.855349	-1.212947	88.27	2.80	91.07
30	52.855723	-1.213975	88.26	2.80	91.06
31	52.854443	-1.214484	85.99	2.80	88.79
32	52.854502	-1.214806	85.93	2.80	88.73
33	52.855104	-1.214613	86.27	2.80	89.07
34	52.855273	-1.215471	85.97	2.80	88.77
35	52.855545	-1.216244	86.11	2.80	88.91
36	52.855985	-1.216619	86.33	2.80	89.13
37	52.856554	-1.216551	86.52	2.80	89.32
38	52.857007	-1.215735	84.90	2.80	87.70
39	52.857201	-1.216057	84.81	2.80	87.61
40	52.856787	-1.216723	86.58	2.80	89.38
41	52.856955	-1.216937	86.63	2.80	89.43
42	52.857694	-1.216701	81.71	2.80	84.51
43	52.858821	-1.218031	78.47	2.80	81.27
44	52.858225	-1.219319	86.14	2.80	88.94
45	52.858277	-1.219855	85.88	2.80	88.68
46	52.858173	-1.220842	86.53	2.80	89.33
47	52.857188	-1.223202	86.58	2.80	89.38
48	52.858031	-1.224082	87.46	2.80	90.26
49	52.857661	-1.224672	87.59	2.80	90.39
50	52.857532	-1.225155	86.72	2.80	89.52
51	52.857234	-1.225734	86.78	2.80	89.58

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	m	m	m
OP 1	52.861842	-1.226948	52.35	2.00	54.35
OP 2	52.855494	-1.229888	56.99	2.00	58.99
OP 3	52.854128	-1.233417	47.15	2.00	49.15
OP 4	52.852810	-1.233293	42.60	2.00	44.60
OP 5	52.852901	-1.240501	38.33	2.00	40.33
OP 6	52.852798	-1.241056	38.13	2.00	40.13
OP 7	52.850234	-1.232249	42.57	2.00	44.57
OP 8	52.849768	-1.232158	41.82	2.00	43.82
OP 9	52.848001	-1.232662	39.12	2.00	41.12
OP 10	52.847677	-1.232973	39.82	2.00	41.82
OP 11	52.850524	-1.218566	58.34	2.00	60.34
OP 12	52.846184	-1.201696	92.88	2.00	94.88
OP 13	52.844024	-1.200476	88.42	2.00	90.42
OP 14	52.834609	-1.212160	44.28	2.00	46.28
OP 15	52.834657	-1.212472	45.32	2.00	47.32
OP 16	52.839349	-1.196708	89.72	2.00	91.72
OP 17	52.836630	-1.185041	49.35	2.00	51.35
OP 18	52.839451	-1.183892	55.34	2.00	57.34
OP 19	52.841548	-1.182797	59.04	2.00	61.04
OP 20	52.841801	-1.179396	55.10	2.00	57.10
OP 21	52.843058	-1.180393	57.49	2.00	59.49
OP 22	52.844395	-1.180086	53.79	2.00	55.79
OP 23	52.842321	-1.187909	70.75	2.00	72.75
OP 24	52.844483	-1.188334	80.98	2.00	82.98
OP 25	52.844584	-1.186526	80.46	2.00	82.46
OP 26	52.848613	-1.186219	47.57	2.00	49.57
OP 27	52.849332	-1.186862	45.69	2.00	47.69
OP 28	52.850558	-1.187992	41.47	2.00	43.47
OP 29	52.851886	-1.189274	43.30	2.00	45.30
OP 30	52.852878	-1.190556	46.71	2.00	48.71
OP 31	52.859038	-1.200833	36.19	2.00	38.19
OP 32	52.862284	-1.205342	36.60	2.00	38.60
OP 33	52.861518	-1.207455	37.36	2.00	39.36
OP 34	52.861243	-1.205760	37.54	2.00	39.54
OP 35	52.859996	-1.206372	38.90	2.00	40.90
OP 36	52.860657	-1.209822	41.16	2.00	43.16
OP 37	52.860759	-1.210629	40.87	2.00	42.87
OP 38	52.859940	-1.212840	42.86	2.00	44.86
OP 39	52.858898	-1.212712	54.16	2.00	56.16
OP 40	52.856166	-1.215029	88.10	2.00	90.10

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
Central PV Array	10.0	180.0	7,864	21,756	-	-
Eastern PV Array	10.0	180.0	3,230	19,037	-	-
Southern PV Array	10.0	180.0	4,721	13,235	-	-
Western PV Array	10.0	180.0	8,909	36,980	-	-

Distinct glare per month

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

PV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
central-pv-a (green)	0	0	32	62	44	78	61	56	53	0	0	0
central-pv-a (yellow)	0	0	16	284	656	808	754	435	72	0	0	0
eastern-pv-a (green)	0	0	0	0	0	0	0	0	0	0	0	0
eastern-pv-a (yellow)	0	0	6	436	1140	1493	1343	715	65	0	0	0
southern-pv (green)	0	0	25	4	154	373	245	51	23	0	0	0
southern-pv (yellow)	0	0	173	694	990	1319	1144	836	366	3	0	0
western-pv-a (green)	0	0	0	0	0	0	0	0	0	0	0	0
western-pv-a (yellow)	0	0	6	433	1148	1411	1330	720	70	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

Central PV Array potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	1151
OP: OP 13	0	3537
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	505	1425
OP: OP 18	1013	2162
OP: OP 19	1328	2152
OP: OP 20	1836	1407

OP: OP 21	1169	1139
OP: OP 22	837	468
OP: OP 23	476	3034
OP: OP 24	253	3029
OP: OP 25	384	2247
OP: OP 26	63	5
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Central PV Array - OP Receptor (OP 1)

No glare found

Central PV Array - OP Receptor (OP 2)

No glare found

Central PV Array - OP Receptor (OP 3)

No glare found

Central PV Array - OP Receptor (OP 4)

No glare found

Central PV Array - OP Receptor (OP 5)

No glare found

Central PV Array - OP Receptor (OP 6)

No glare found

Central PV Array - OP Receptor (OP 7)

No glare found

Central PV Array - OP Receptor (OP 8)

No glare found

Central PV Array - OP Receptor (OP 9)

No glare found

Central PV Array - OP Receptor (OP 10)

No glare found

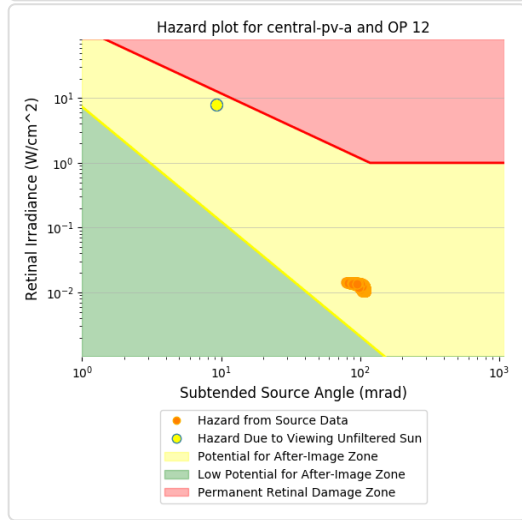
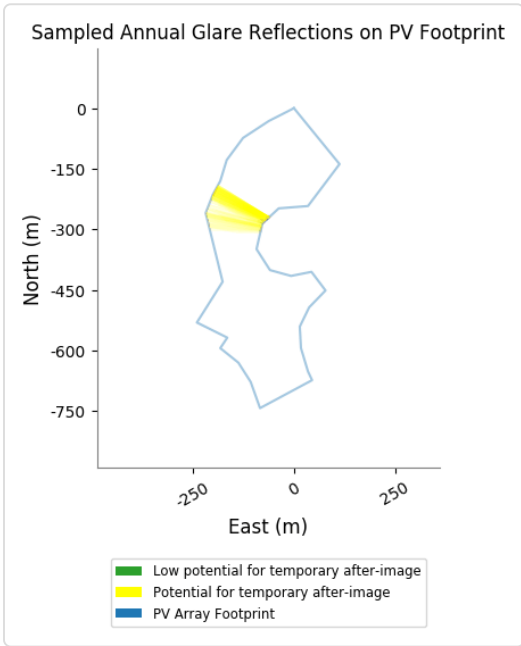
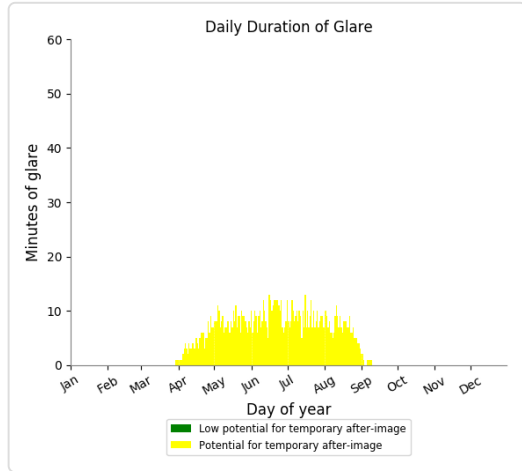
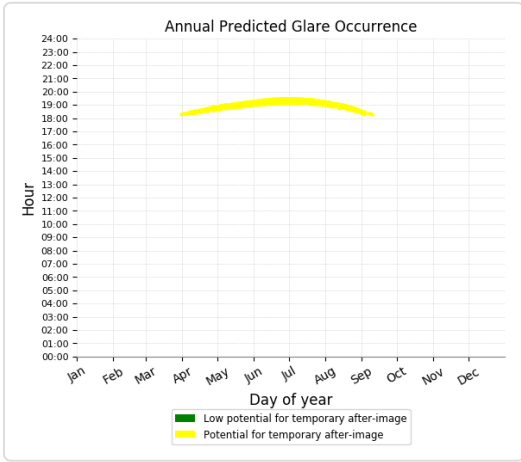
Central PV Array - OP Receptor (OP 11)

No glare found

Central PV Array - OP Receptor (OP 12)

PV array is expected to produce the following glare for receptors at this location:

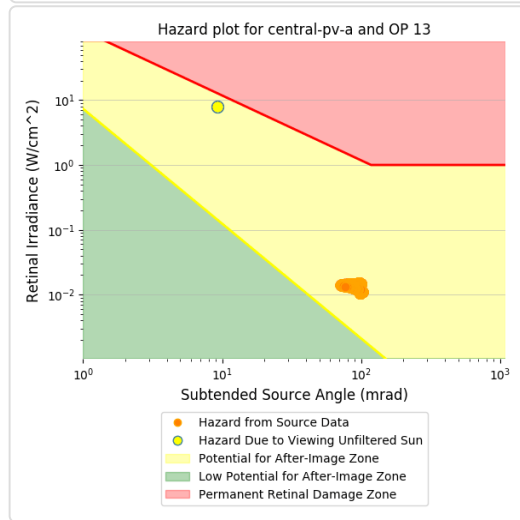
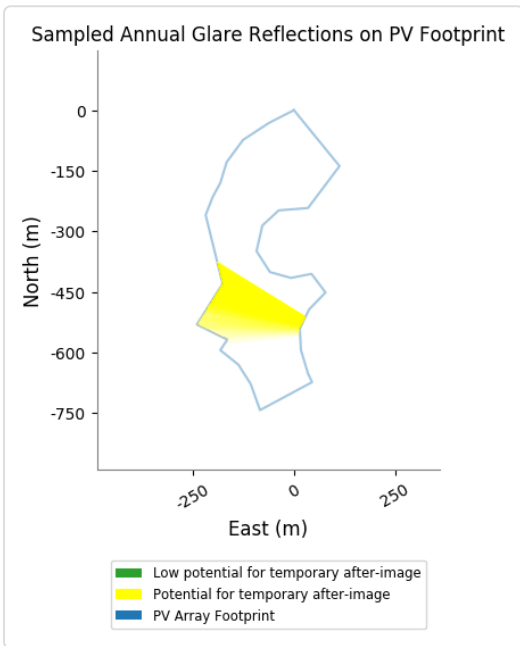
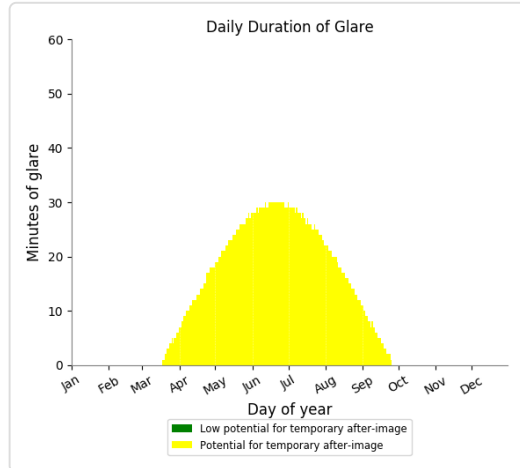
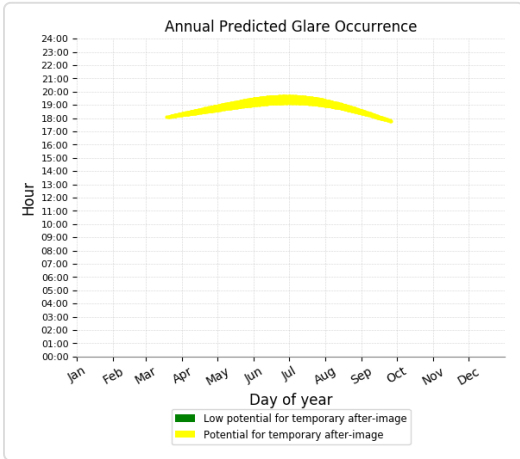
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,151 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 13)

PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,537 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 14)

No glare found

Central PV Array - OP Receptor (OP 15)

No glare found

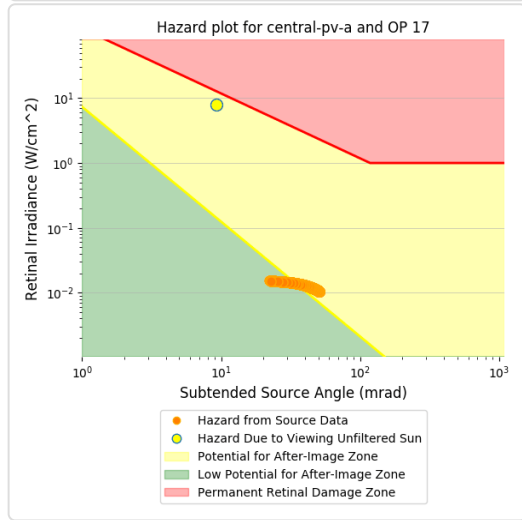
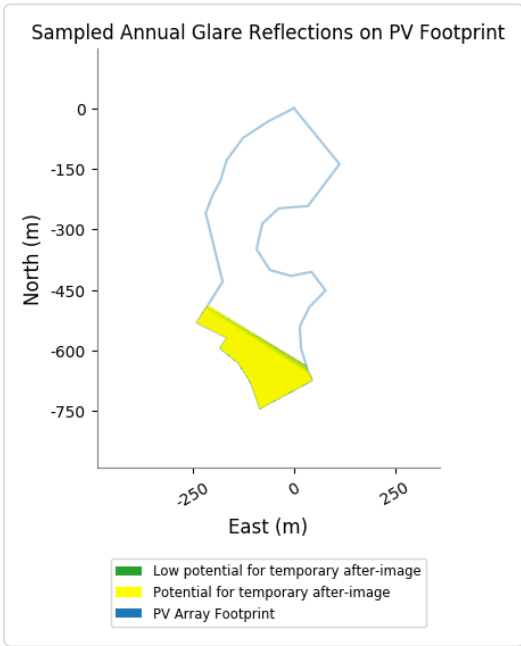
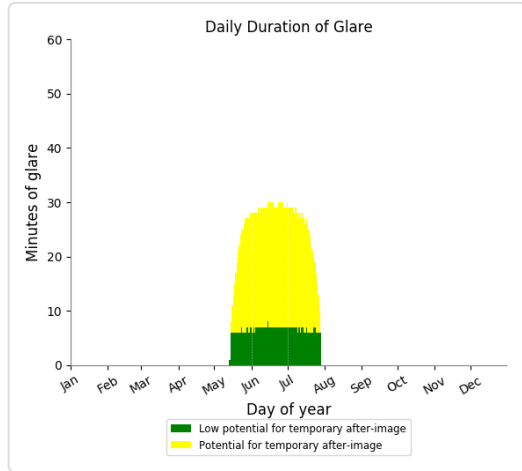
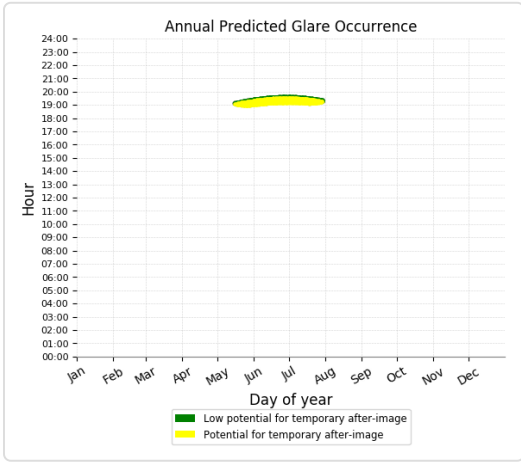
Central PV Array - OP Receptor (OP 16)

No glare found

Central PV Array - OP Receptor (OP 17)

PV array is expected to produce the following glare for receptors at this location:

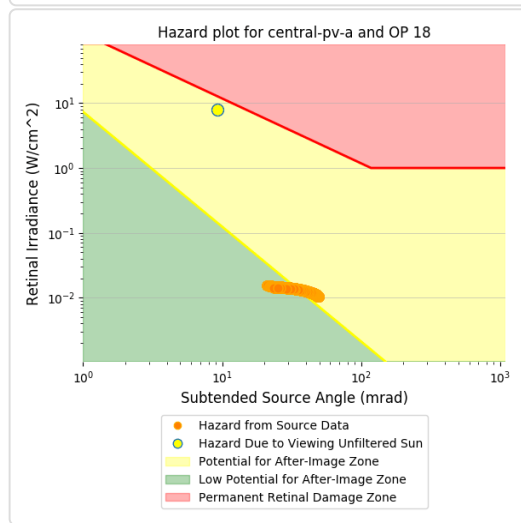
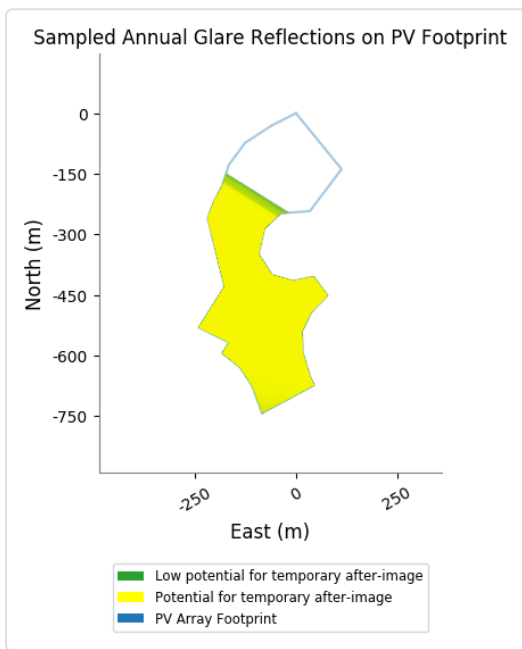
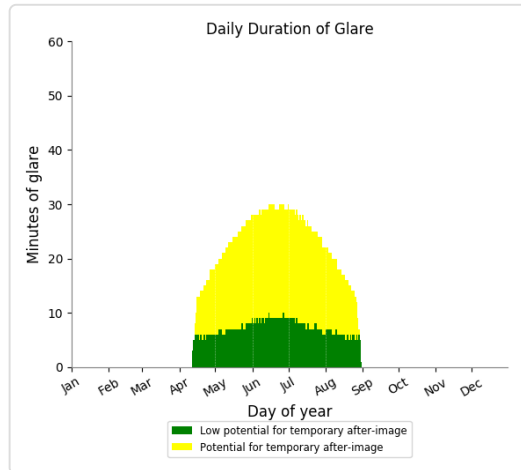
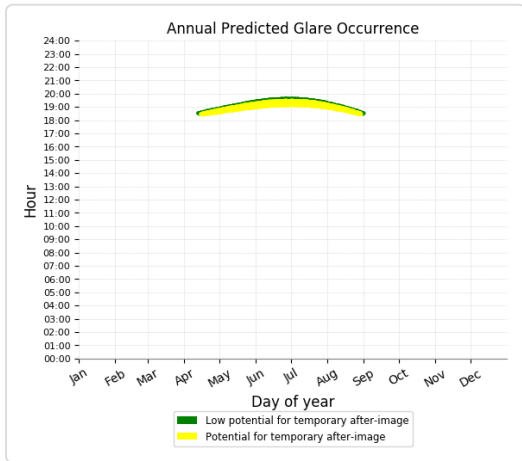
- 505 minutes of "green" glare with low potential to cause temporary after-image.
- 1,425 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 18)

PV array is expected to produce the following glare for receptors at this location:

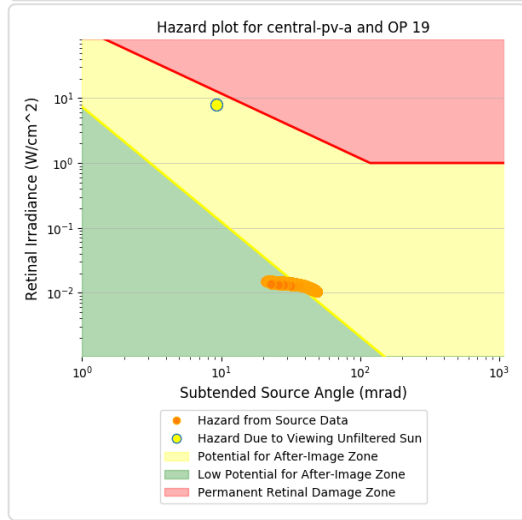
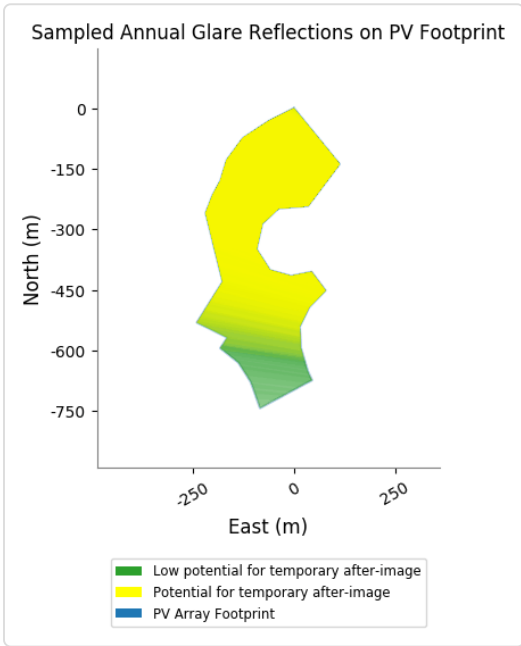
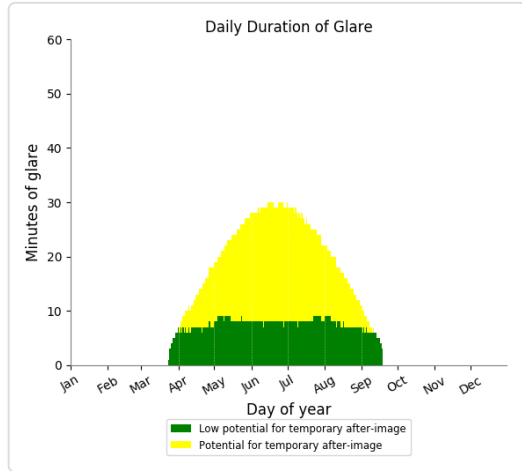
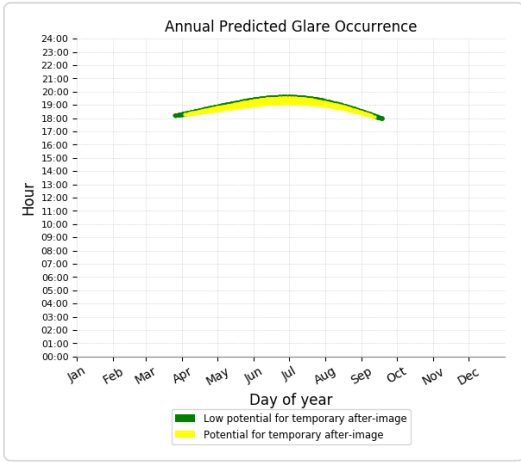
- 1,013 minutes of "green" glare with low potential to cause temporary after-image.
- 2,162 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 19)

PV array is expected to produce the following glare for receptors at this location:

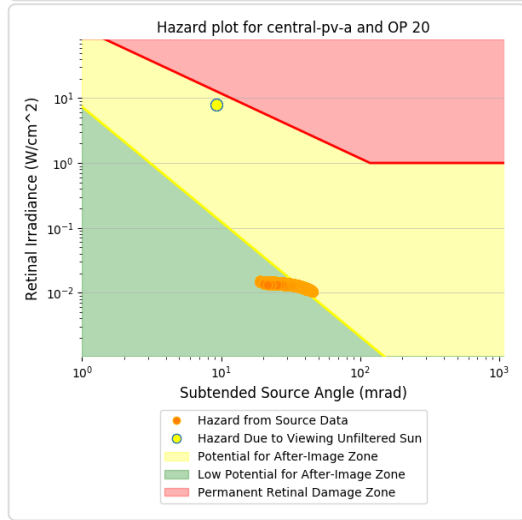
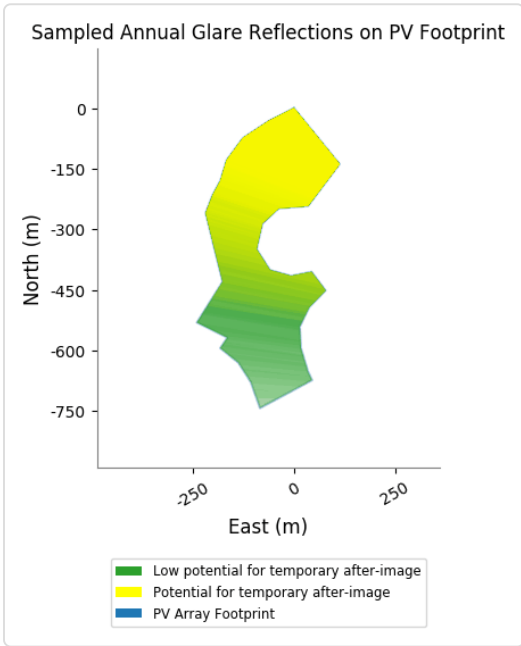
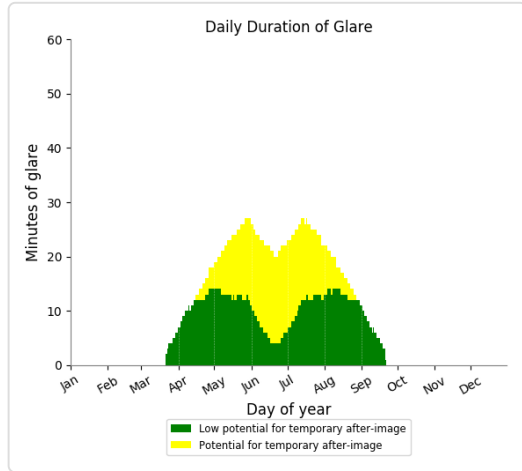
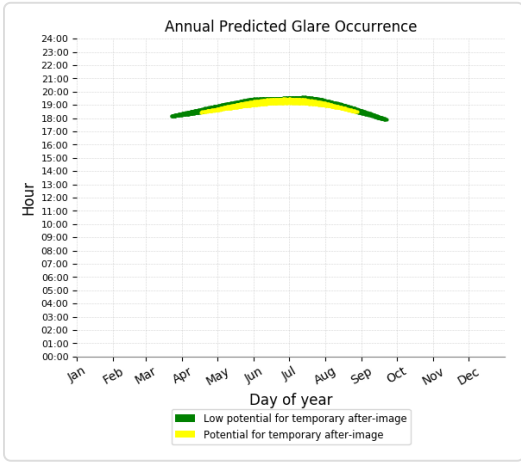
- 1,328 minutes of "green" glare with low potential to cause temporary after-image.
- 2,152 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 20)

PV array is expected to produce the following glare for receptors at this location:

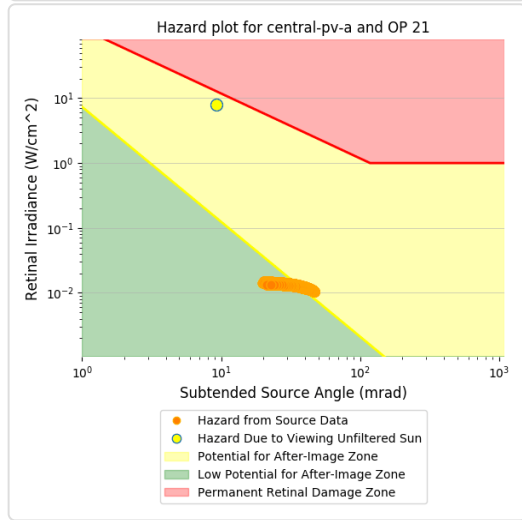
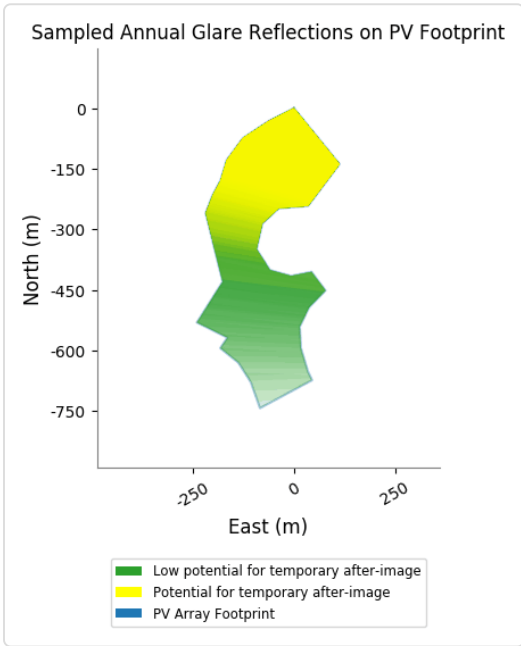
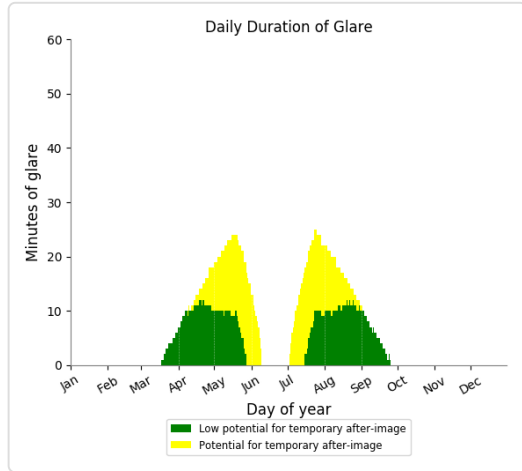
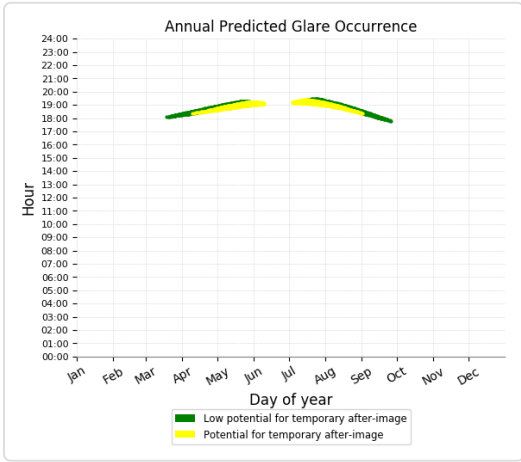
- 1,836 minutes of "green" glare with low potential to cause temporary after-image.
- 1,407 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 21)

PV array is expected to produce the following glare for receptors at this location:

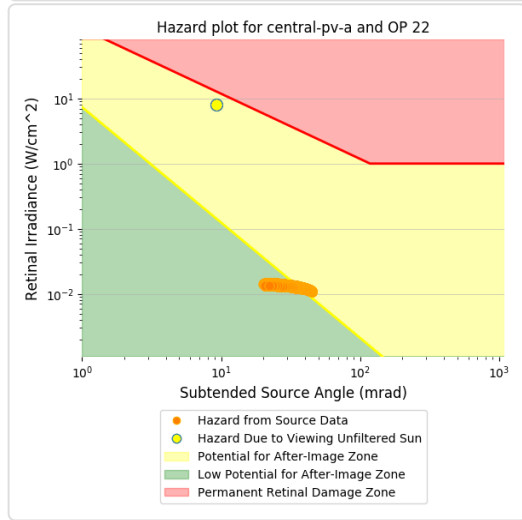
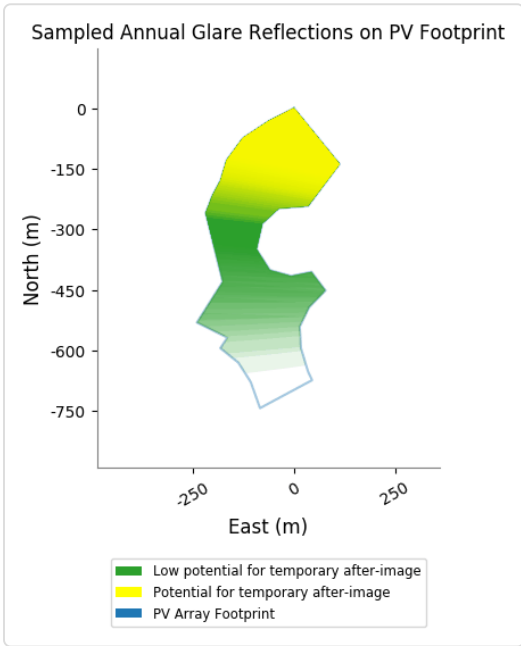
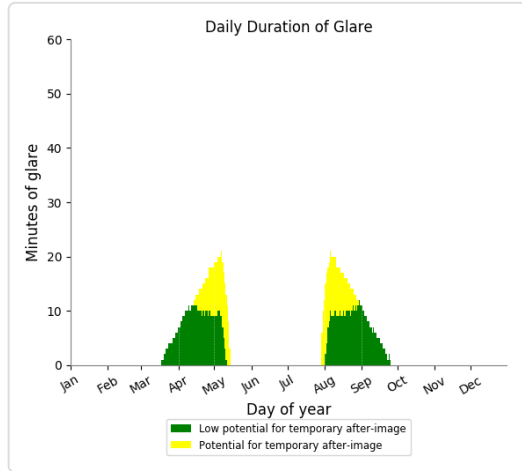
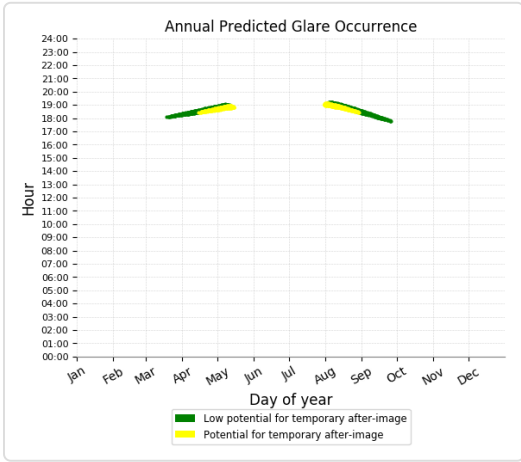
- 1,169 minutes of "green" glare with low potential to cause temporary after-image.
- 1,139 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 22)

PV array is expected to produce the following glare for receptors at this location:

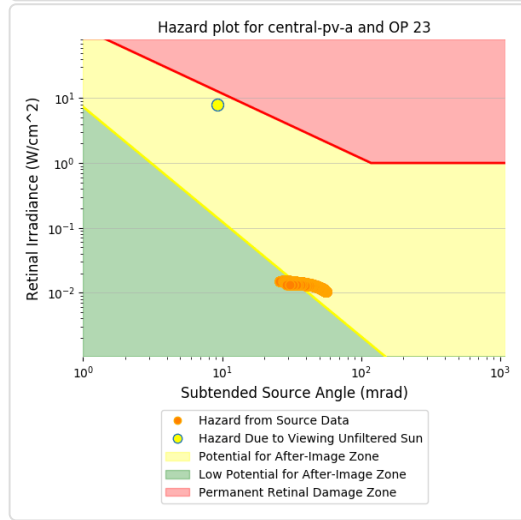
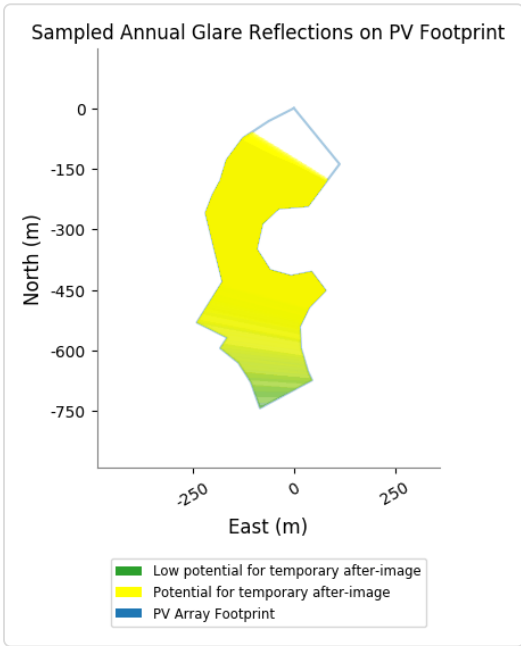
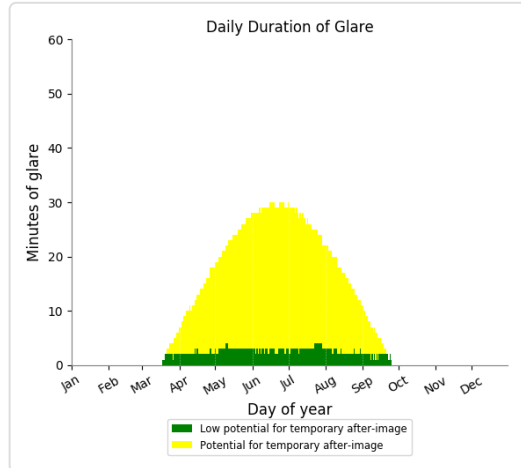
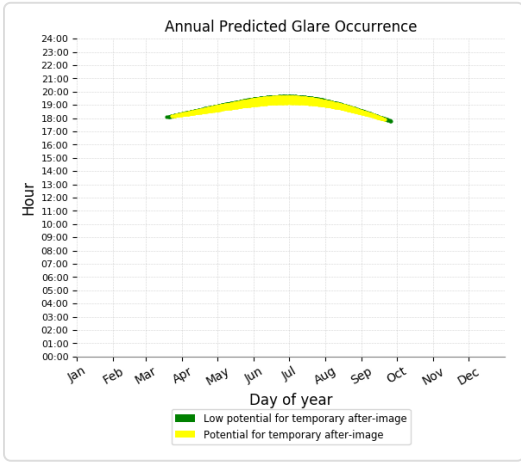
- 837 minutes of "green" glare with low potential to cause temporary after-image.
- 468 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 23)

PV array is expected to produce the following glare for receptors at this location:

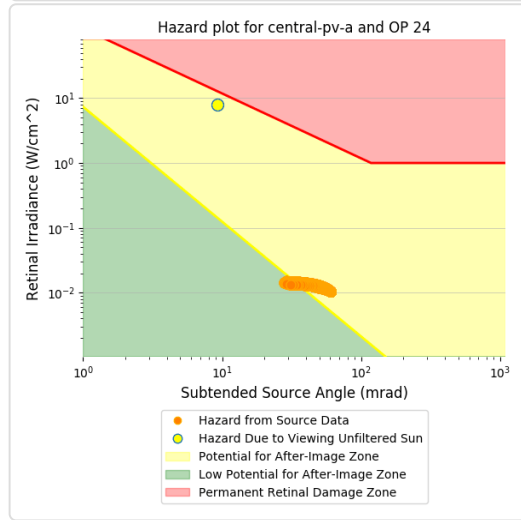
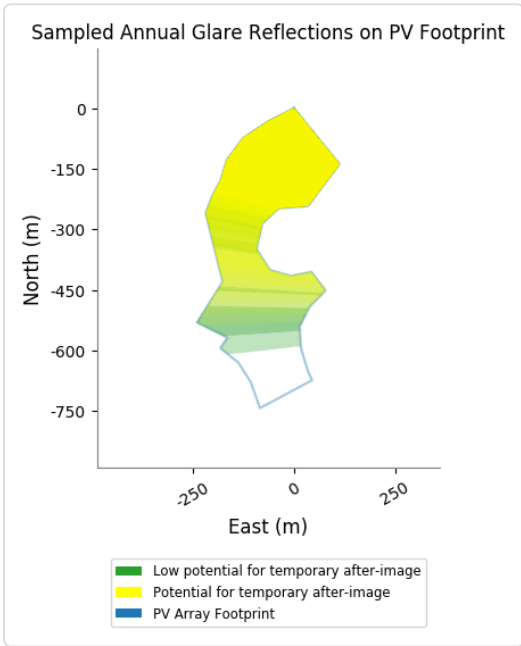
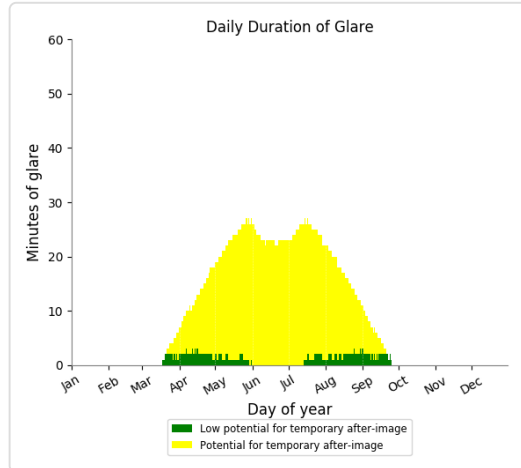
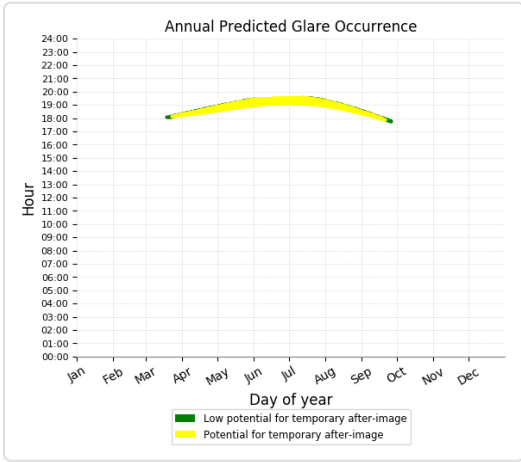
- 476 minutes of "green" glare with low potential to cause temporary after-image.
- 3,034 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 24)

PV array is expected to produce the following glare for receptors at this location:

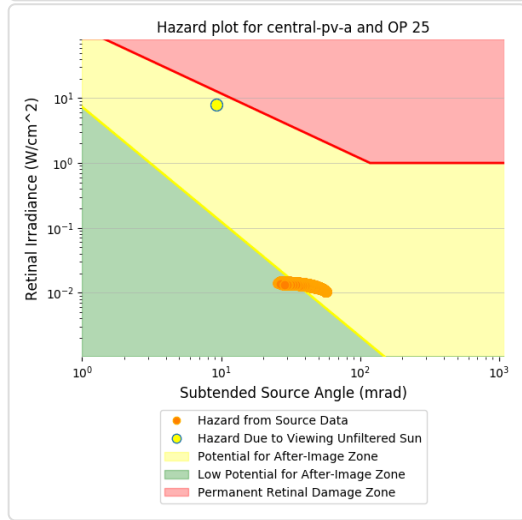
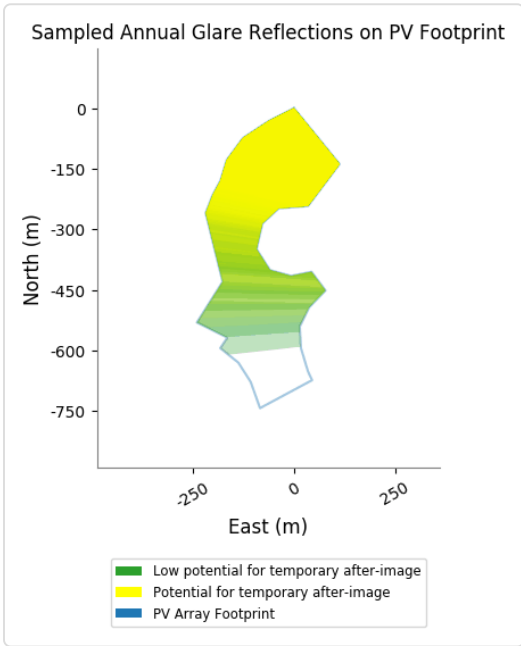
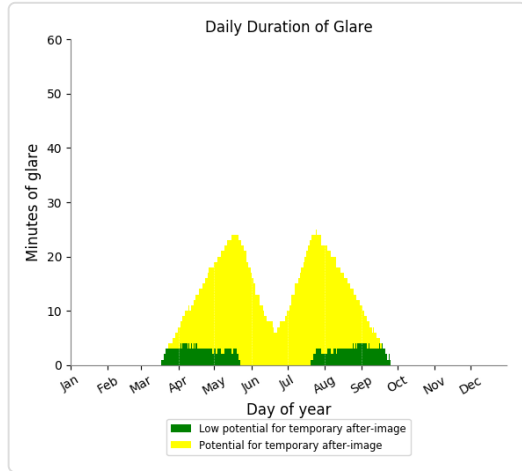
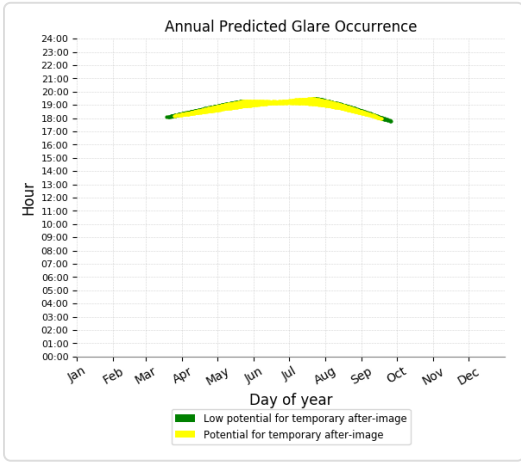
- 253 minutes of "green" glare with low potential to cause temporary after-image.
- 3,029 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 25)

PV array is expected to produce the following glare for receptors at this location:

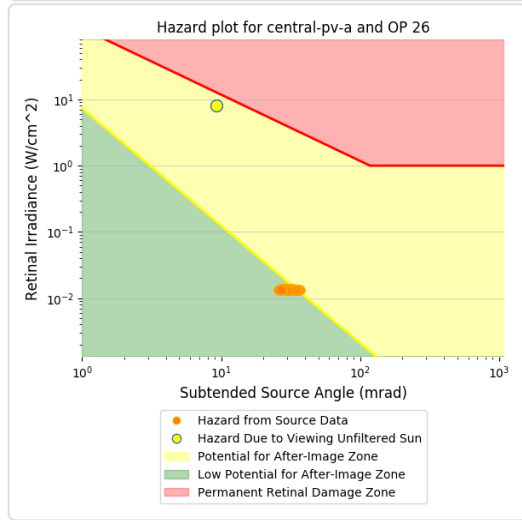
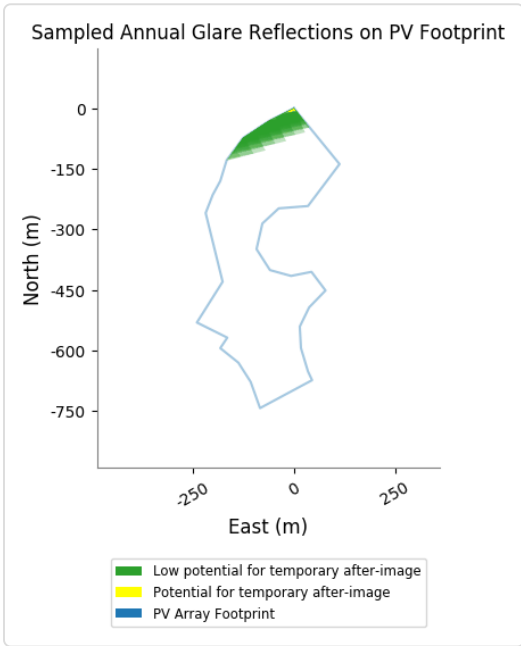
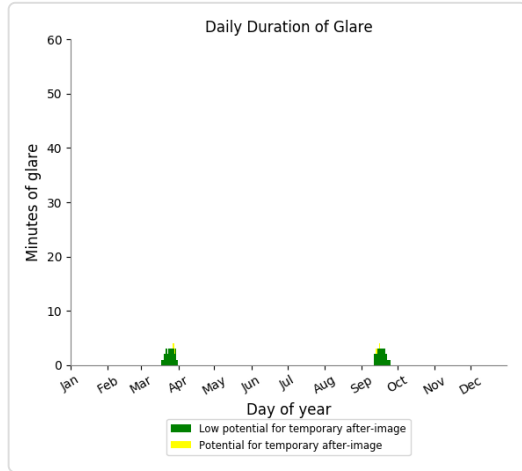
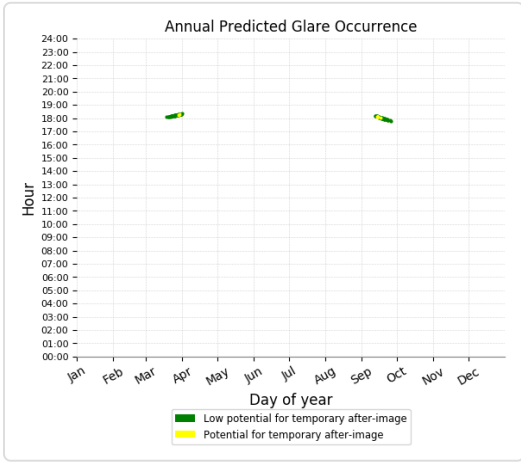
- 384 minutes of "green" glare with low potential to cause temporary after-image.
- 2,247 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 26)

PV array is expected to produce the following glare for receptors at this location:

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



Central PV Array - OP Receptor (OP 27)

No glare found

Central PV Array - OP Receptor (OP 28)

No glare found

Central PV Array - OP Receptor (OP 29)

No glare found

Central PV Array - OP Receptor (OP 30)

No glare found

Central PV Array - OP Receptor (OP 31)

No glare found

Central PV Array - OP Receptor (OP 32)

No glare found

Central PV Array - OP Receptor (OP 33)

No glare found

Central PV Array - OP Receptor (OP 34)

No glare found

Central PV Array - OP Receptor (OP 35)

No glare found

Central PV Array - OP Receptor (OP 36)

No glare found

Central PV Array - OP Receptor (OP 37)

No glare found

Central PV Array - OP Receptor (OP 38)

No glare found

Central PV Array - OP Receptor (OP 39)

No glare found

Central PV Array - OP Receptor (OP 40)

No glare found

Eastern PV Array potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	21	0
OP: OP 10	33	0
OP: OP 11	0	0
OP: OP 12	0	2849
OP: OP 13	0	2860
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	68	1033
OP: OP 19	335	2028
OP: OP 20	1141	1269
OP: OP 21	964	1412
OP: OP 22	584	551
OP: OP 23	0	2363
OP: OP 24	0	2398
OP: OP 25	84	2274
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0

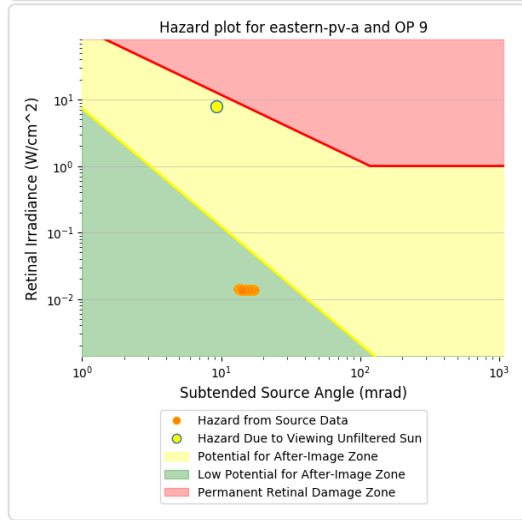
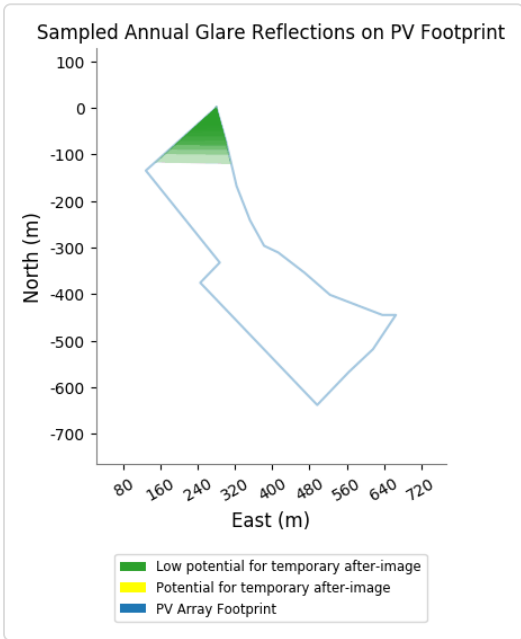
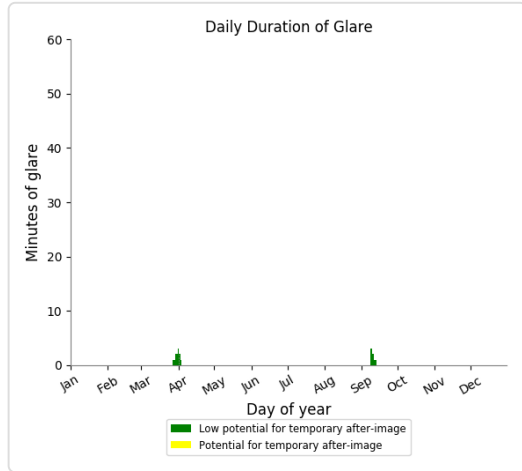
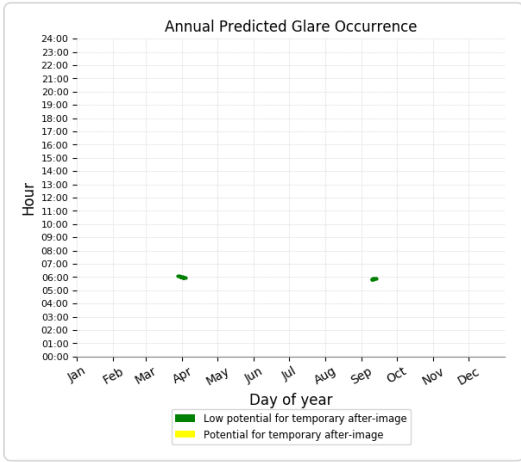
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Eastern PV Array - OP Receptor (OP 1)*No glare found***Eastern PV Array - OP Receptor (OP 2)***No glare found***Eastern PV Array - OP Receptor (OP 3)***No glare found***Eastern PV Array - OP Receptor (OP 4)***No glare found***Eastern PV Array - OP Receptor (OP 5)***No glare found***Eastern PV Array - OP Receptor (OP 6)***No glare found***Eastern PV Array - OP Receptor (OP 7)***No glare found***Eastern PV Array - OP Receptor (OP 8)***No glare found*

Eastern PV Array - OP Receptor (OP 9)

PV array is expected to produce the following glare for receptors at this location:

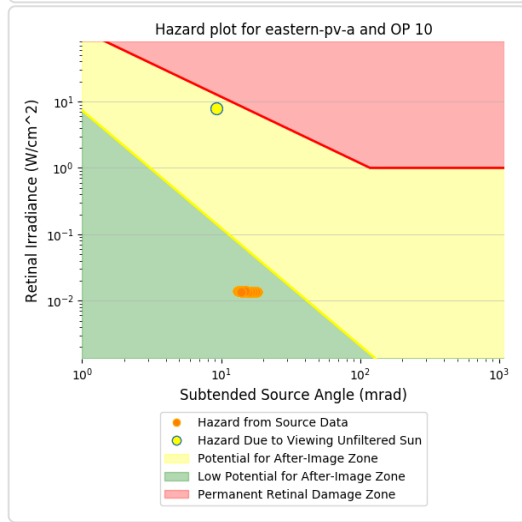
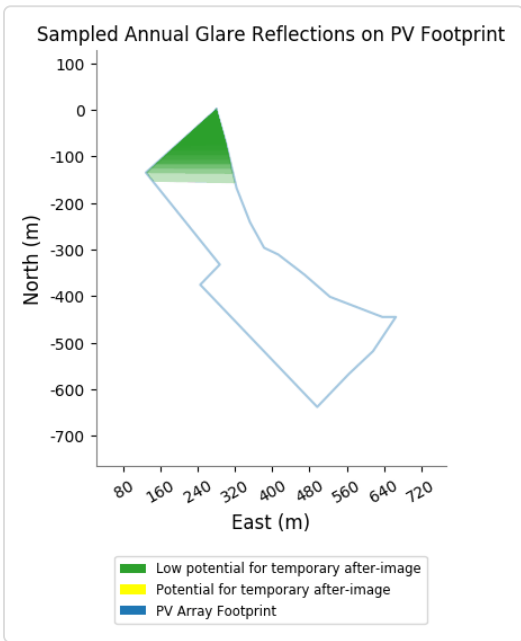
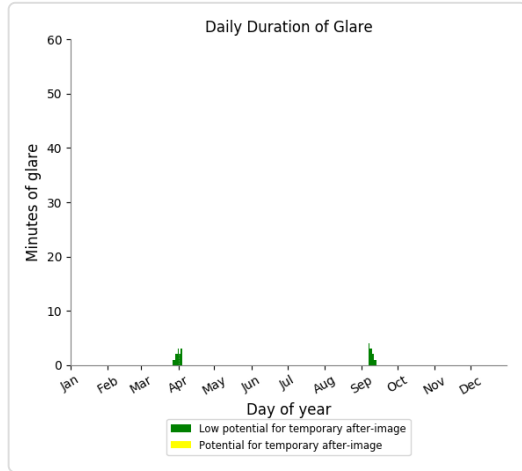
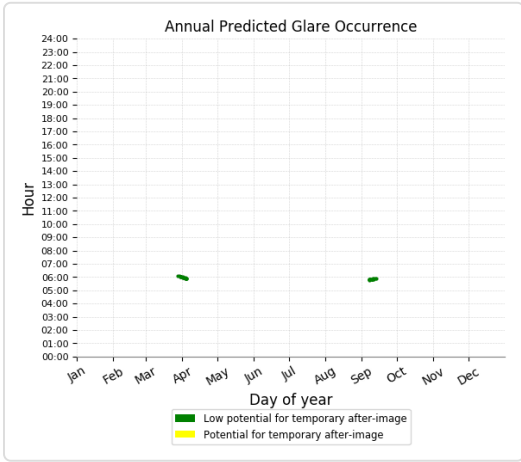
- 21 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 10)

PV array is expected to produce the following glare for receptors at this location:

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



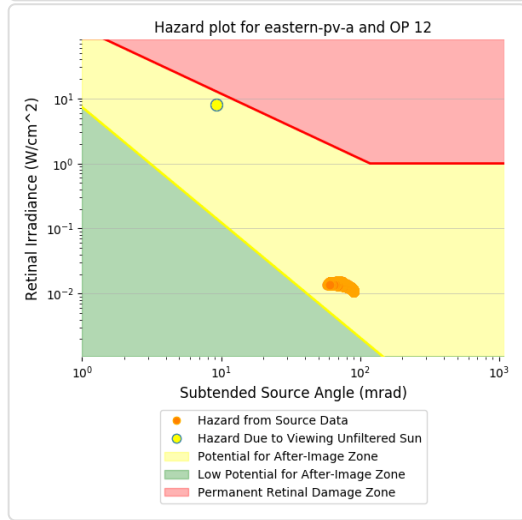
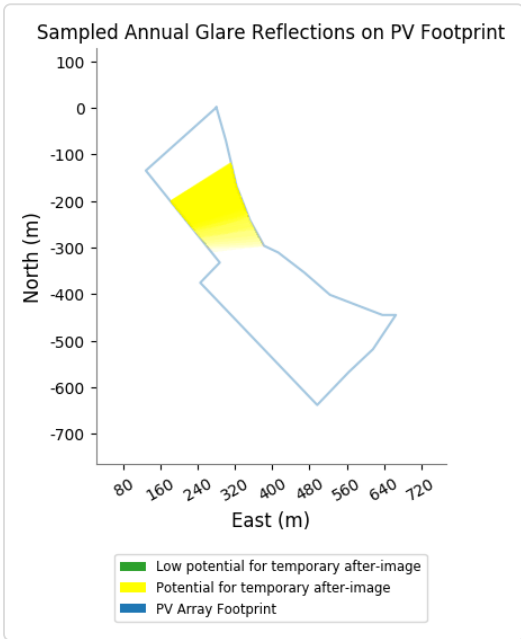
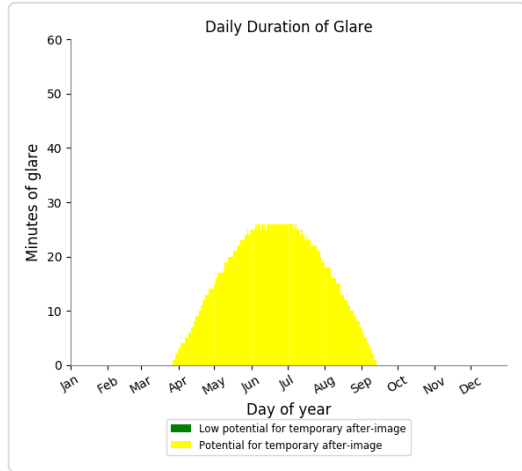
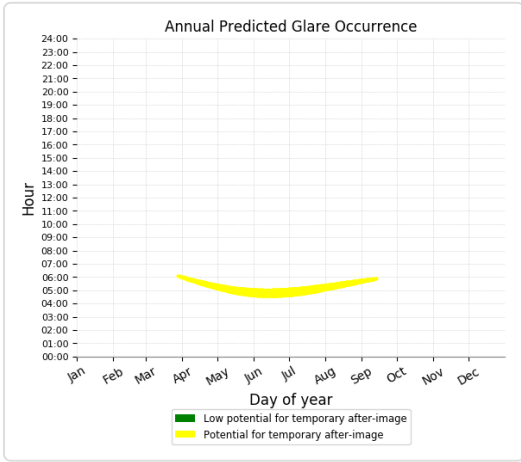
Eastern PV Array - OP Receptor (OP 11)

No glare found

Eastern PV Array - OP Receptor (OP 12)

PV array is expected to produce the following glare for receptors at this location:

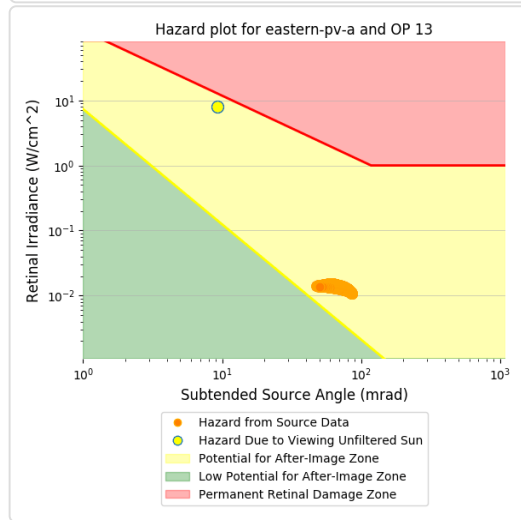
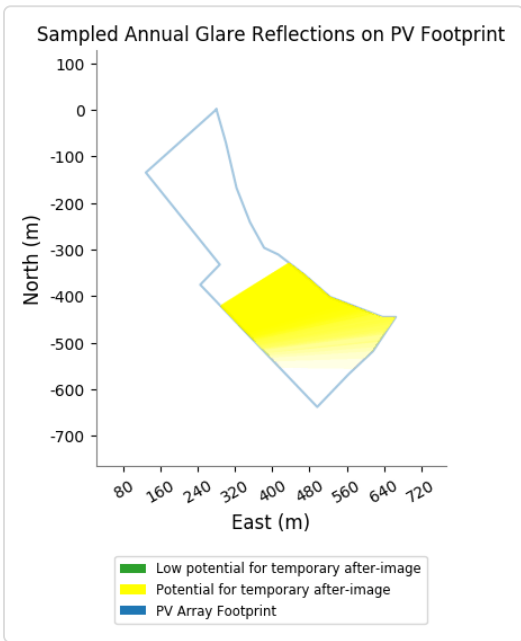
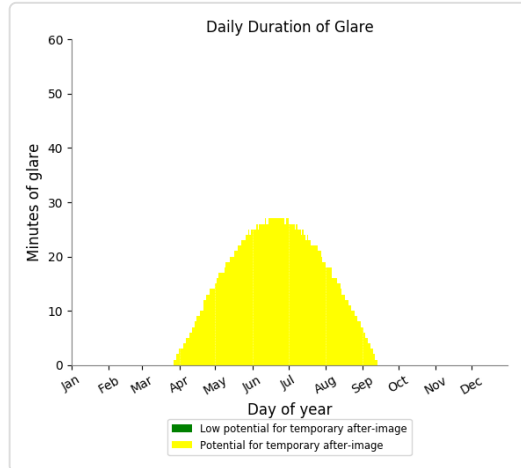
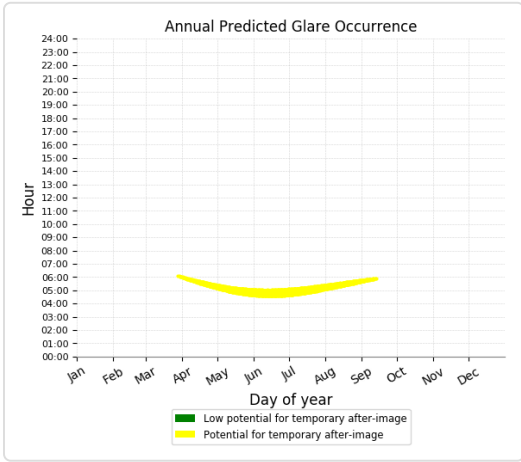
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,849 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 13)

PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,860 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 14)

No glare found

Eastern PV Array - OP Receptor (OP 15)

No glare found

Eastern PV Array - OP Receptor (OP 16)

No glare found

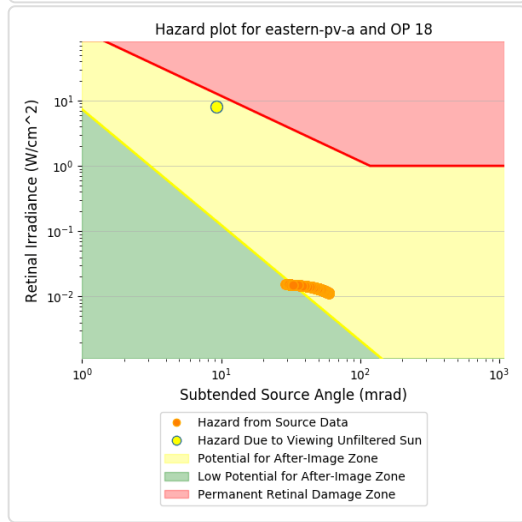
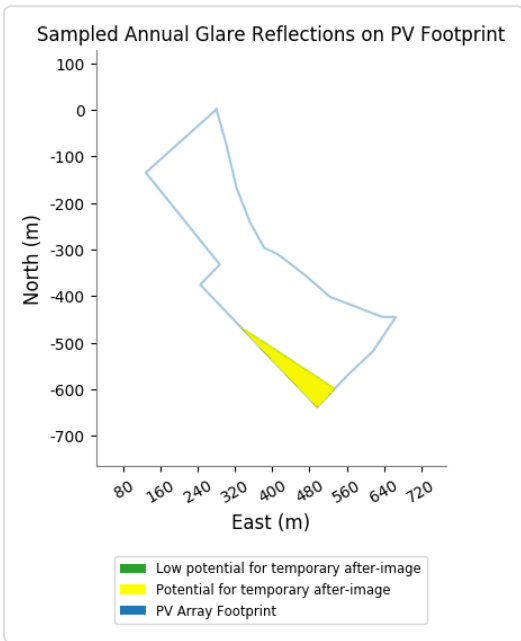
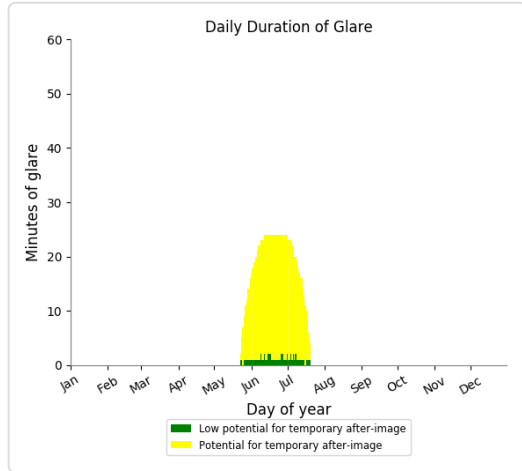
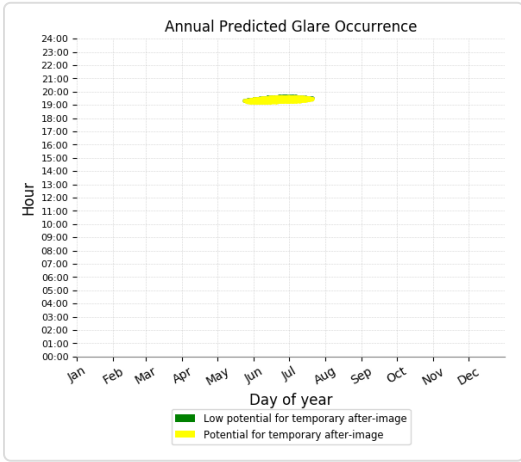
Eastern PV Array - OP Receptor (OP 17)

No glare found

Eastern PV Array - OP Receptor (OP 18)

PV array is expected to produce the following glare for receptors at this location:

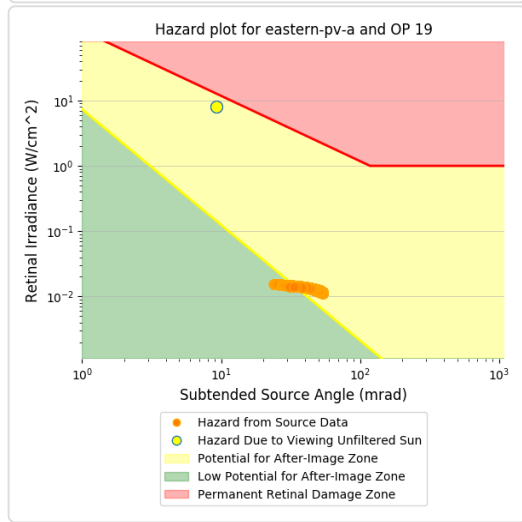
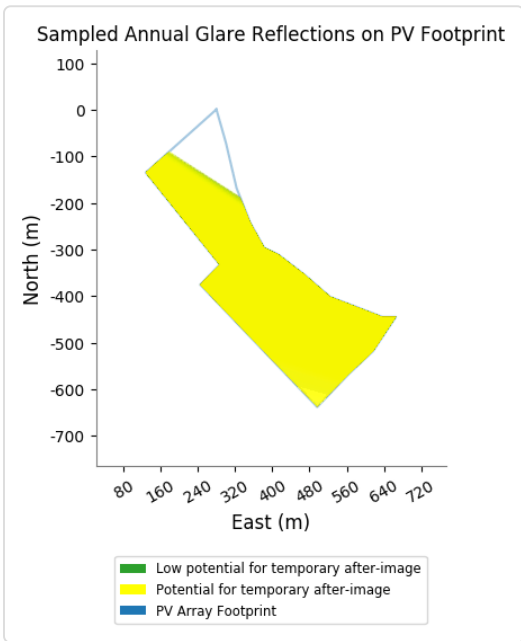
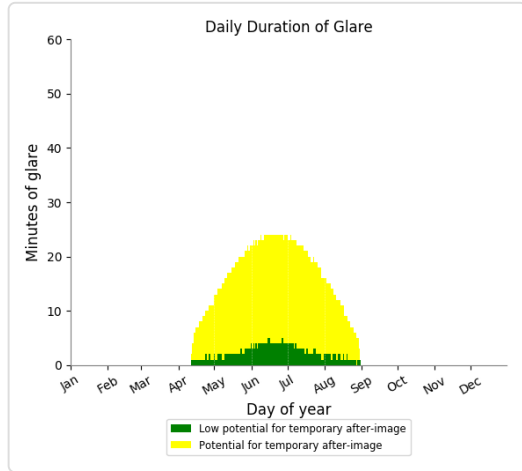
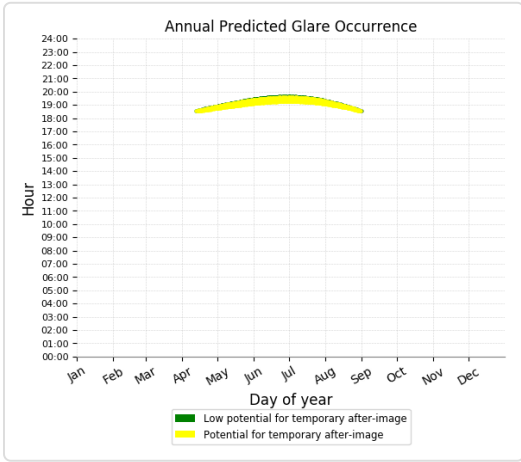
- 68 minutes of "green" glare with low potential to cause temporary after-image.
- 1,033 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 19)

PV array is expected to produce the following glare for receptors at this location:

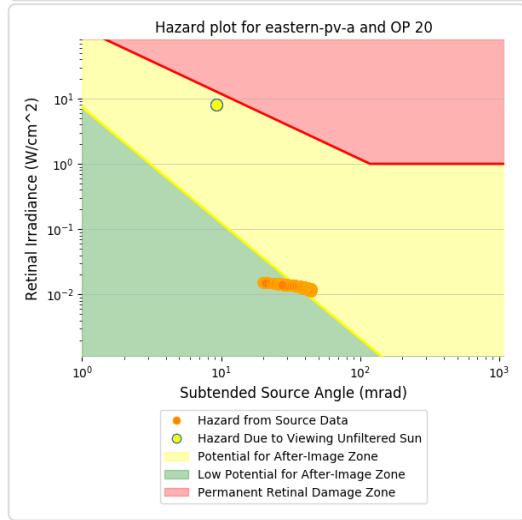
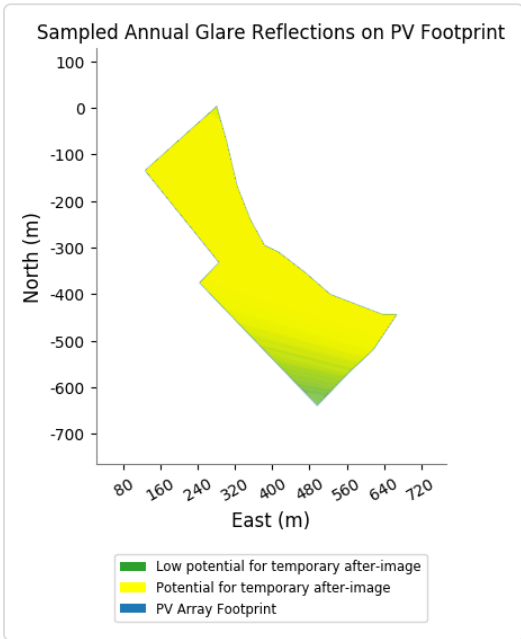
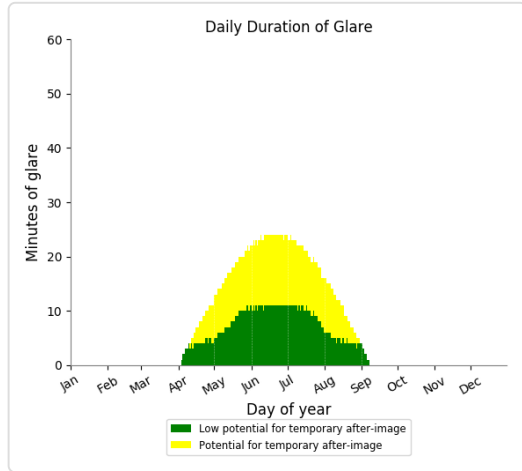
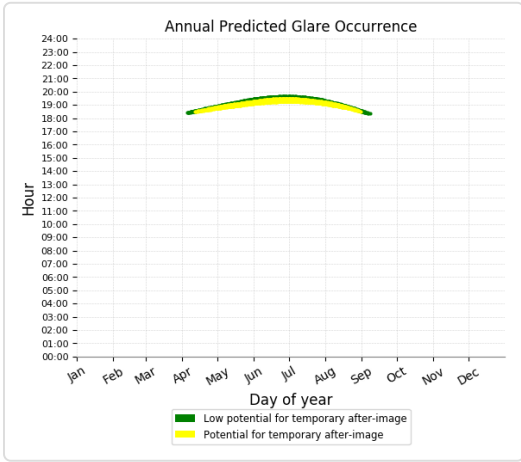
- 335 minutes of "green" glare with low potential to cause temporary after-image.
- 2,028 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 20)

PV array is expected to produce the following glare for receptors at this location:

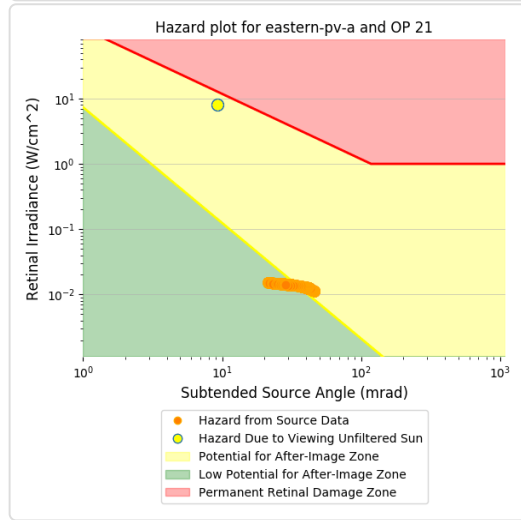
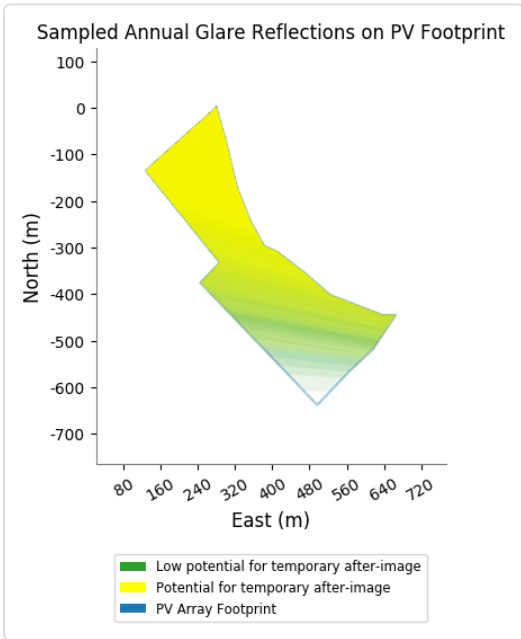
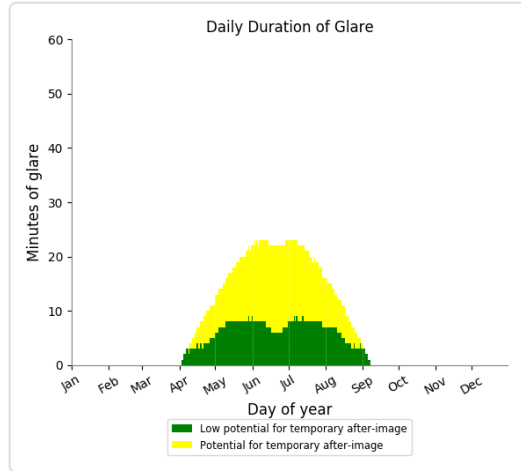
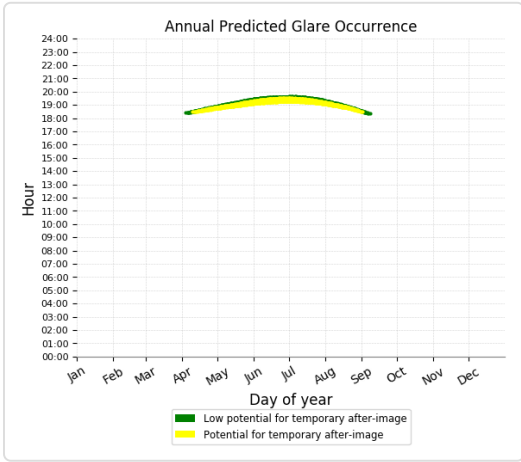
- 1,141 minutes of "green" glare with low potential to cause temporary after-image.
- 1,269 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 21)

PV array is expected to produce the following glare for receptors at this location:

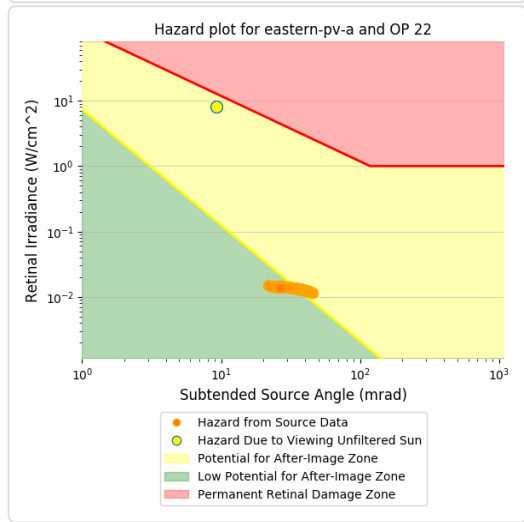
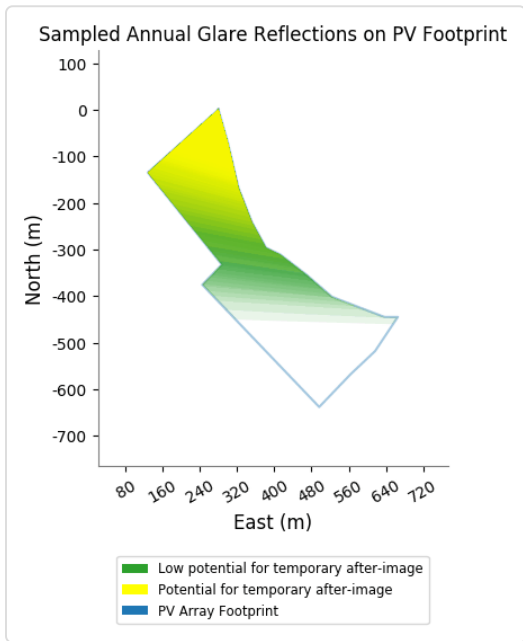
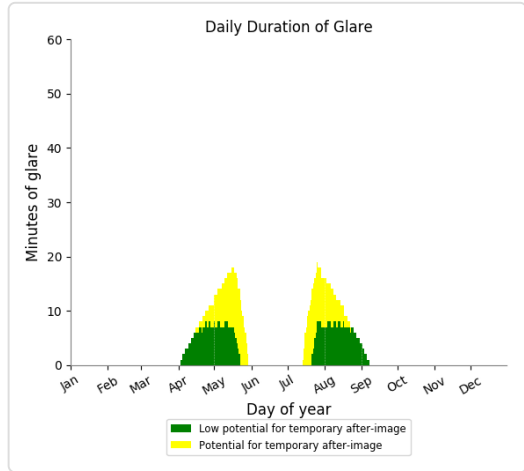
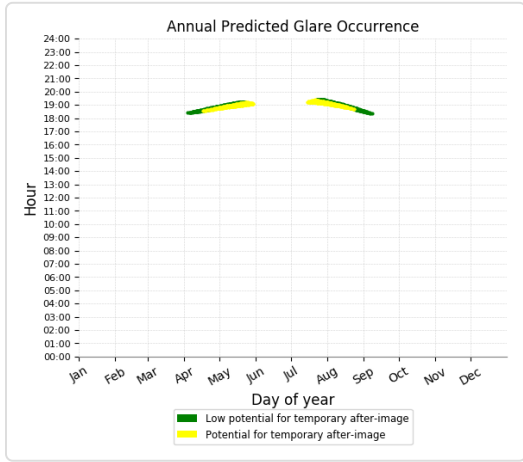
- 964 minutes of "green" glare with low potential to cause temporary after-image.
- 1,412 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 22)

PV array is expected to produce the following glare for receptors at this location:

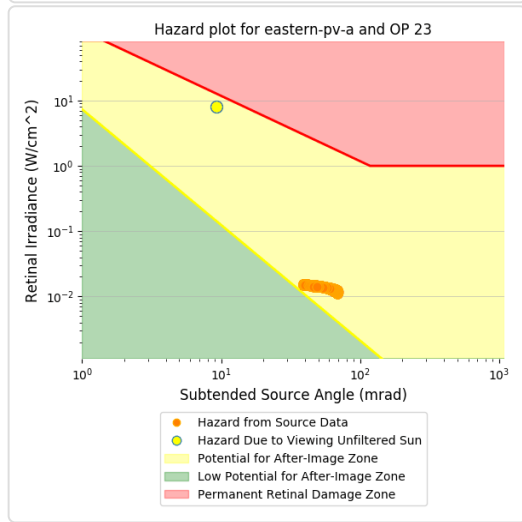
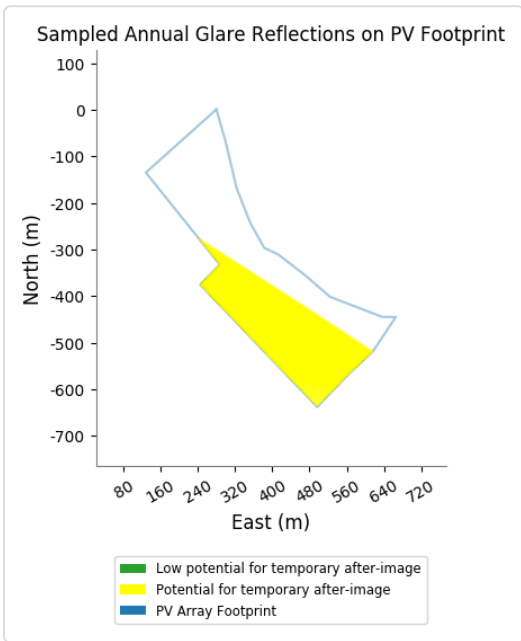
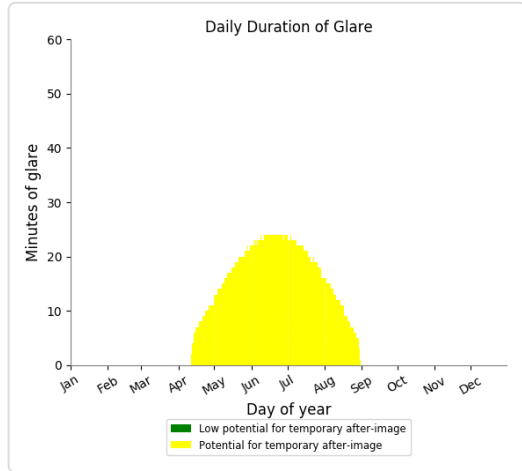
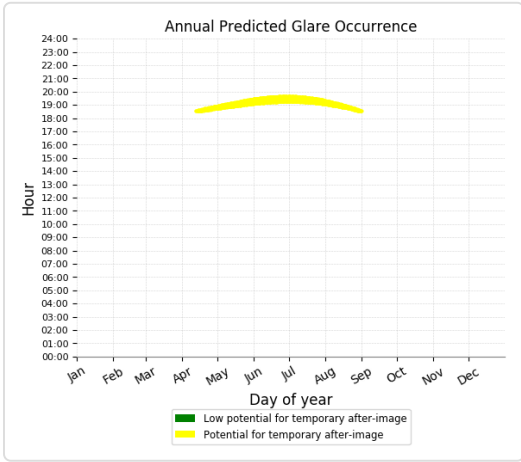
- 584 minutes of "green" glare with low potential to cause temporary after-image.
- 551 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 23)

PV array is expected to produce the following glare for receptors at this location:

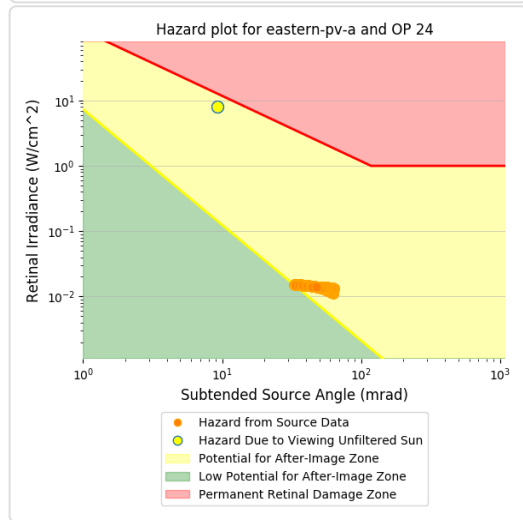
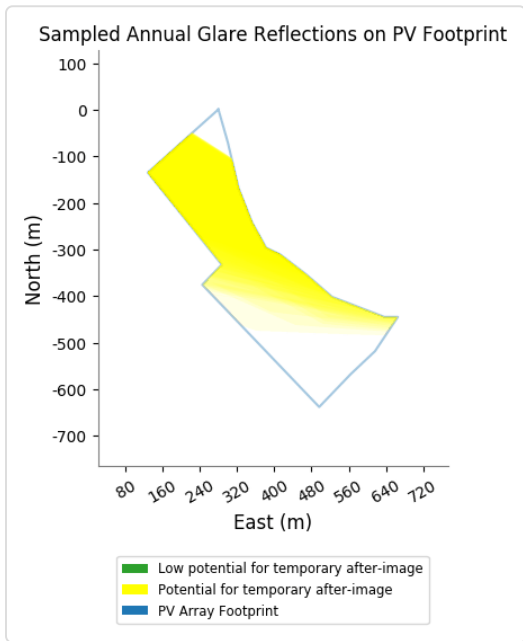
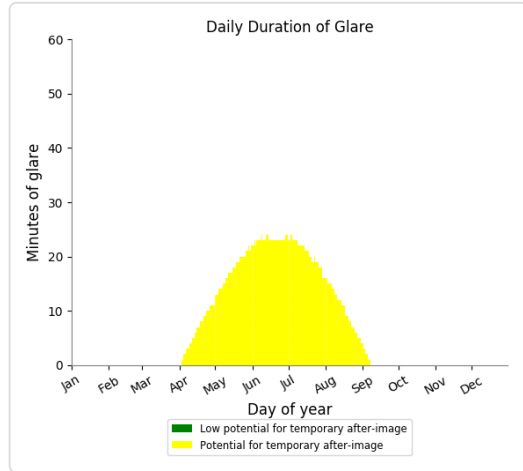
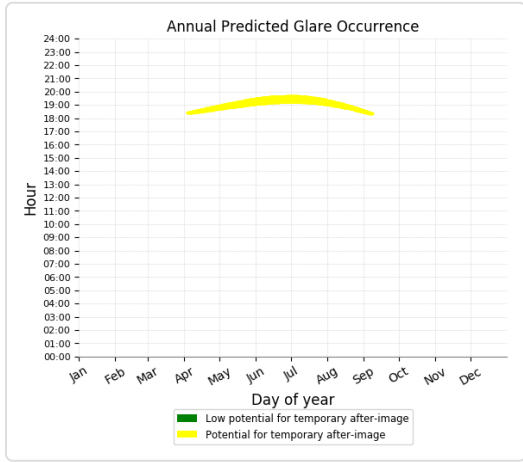
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,363 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 24)

PV array is expected to produce the following glare for receptors at this location:

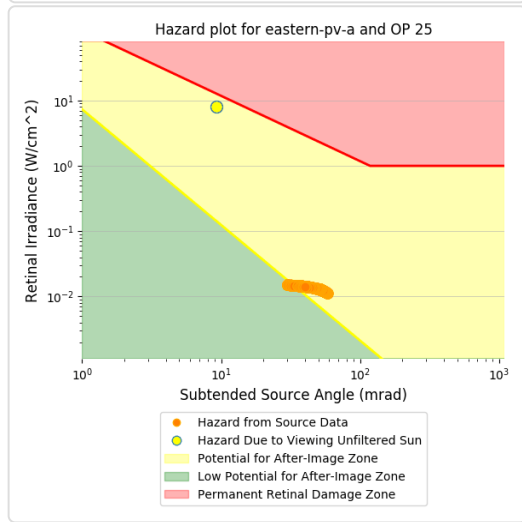
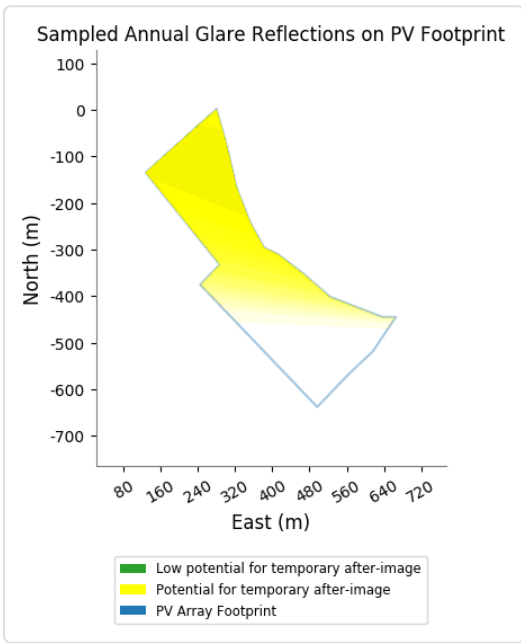
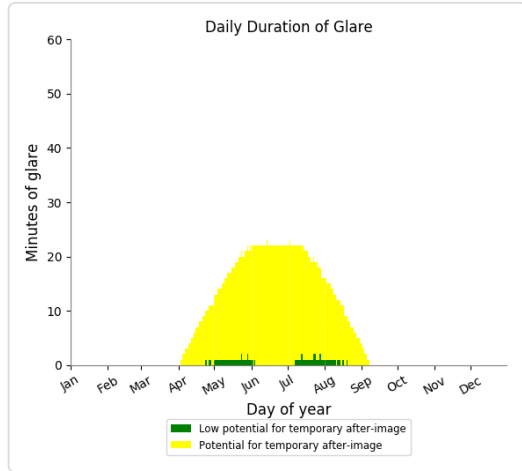
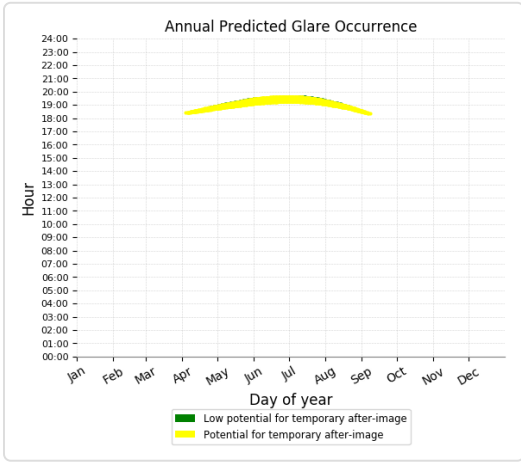
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,398 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 25)

PV array is expected to produce the following glare for receptors at this location:

- 84 minutes of "green" glare with low potential to cause temporary after-image.
- 2,274 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 26)

No glare found

Eastern PV Array - OP Receptor (OP 27)

No glare found

Eastern PV Array - OP Receptor (OP 28)

No glare found

Eastern PV Array - OP Receptor (OP 29)

No glare found

Eastern PV Array - OP Receptor (OP 30)

No glare found

Eastern PV Array - OP Receptor (OP 31)

No glare found

Eastern PV Array - OP Receptor (OP 32)

No glare found

Eastern PV Array - OP Receptor (OP 33)

No glare found

Eastern PV Array - OP Receptor (OP 34)

No glare found

Eastern PV Array - OP Receptor (OP 35)

No glare found

Eastern PV Array - OP Receptor (OP 36)

No glare found

Eastern PV Array - OP Receptor (OP 37)

No glare found

Eastern PV Array - OP Receptor (OP 38)

No glare found

Eastern PV Array - OP Receptor (OP 39)

No glare found

Eastern PV Array - OP Receptor (OP 40)

No glare found

Southern PV Array potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	81
OP: OP 14	241	149
OP: OP 15	358	210
OP: OP 16	0	5326
OP: OP 17	1134	2335
OP: OP 18	1230	3050
OP: OP 19	610	642
OP: OP 20	772	81
OP: OP 21	322	3
OP: OP 22	5	0
OP: OP 23	49	1358
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0

OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Southern PV Array - OP Receptor (OP 1)

No glare found

Southern PV Array - OP Receptor (OP 2)

No glare found

Southern PV Array - OP Receptor (OP 3)

No glare found

Southern PV Array - OP Receptor (OP 4)

No glare found

Southern PV Array - OP Receptor (OP 5)

No glare found

Southern PV Array - OP Receptor (OP 6)

No glare found

Southern PV Array - OP Receptor (OP 7)

No glare found

Southern PV Array - OP Receptor (OP 8)

No glare found

Southern PV Array - OP Receptor (OP 9)

No glare found

Southern PV Array - OP Receptor (OP 10)

No glare found

Southern PV Array - OP Receptor (OP 11)

No glare found

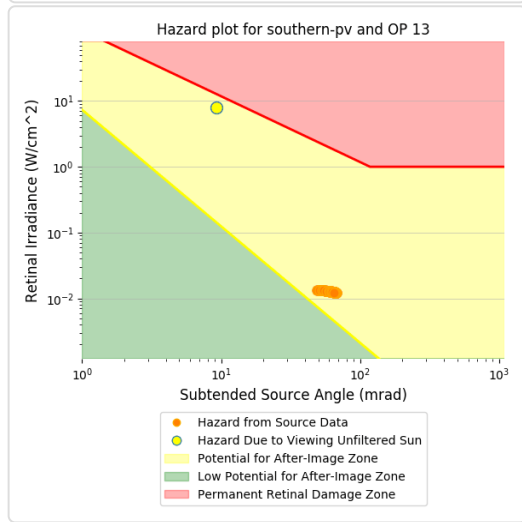
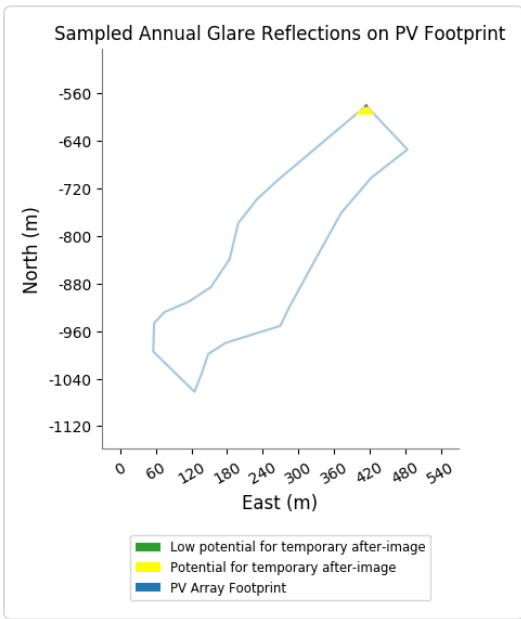
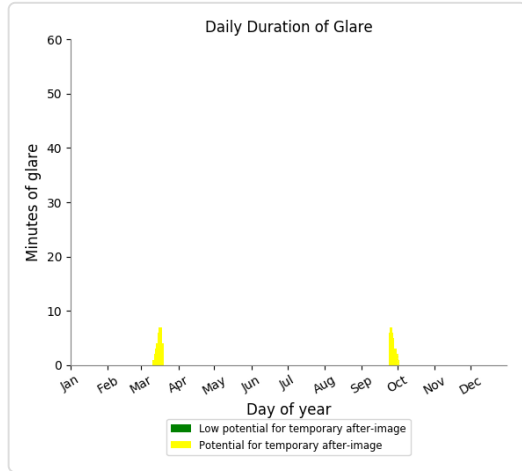
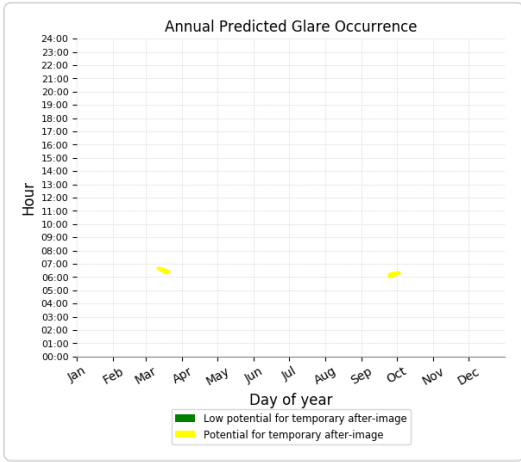
Southern PV Array - OP Receptor (OP 12)

No glare found

Southern PV Array - OP Receptor (OP 13)

PV array is expected to produce the following glare for receptors at this location:

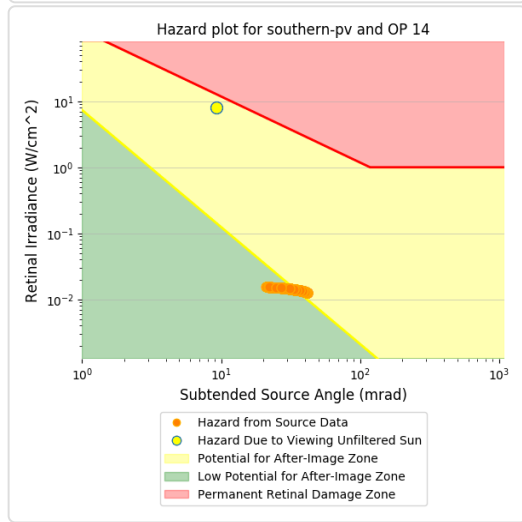
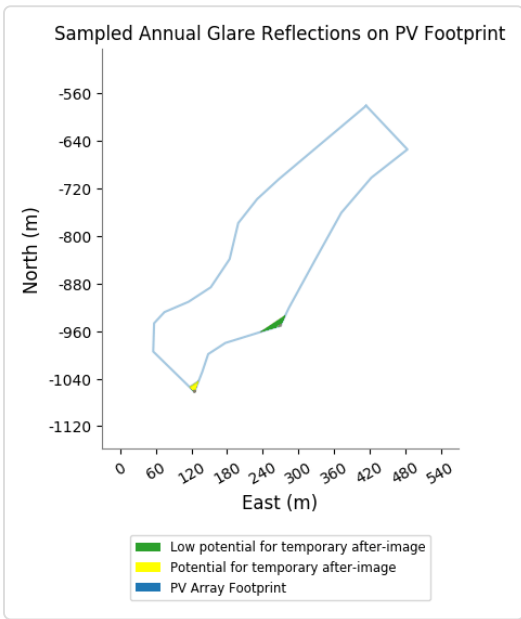
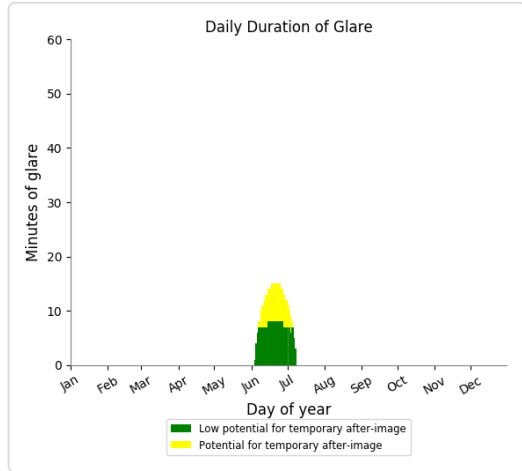
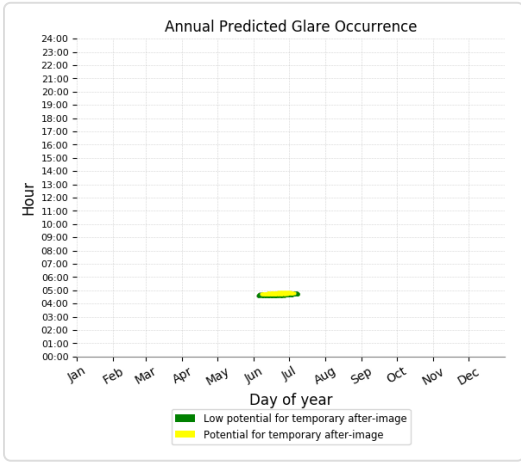
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 81 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 14)

PV array is expected to produce the following glare for receptors at this location:

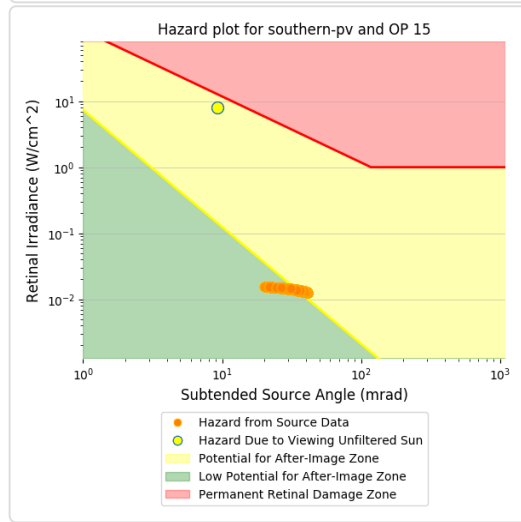
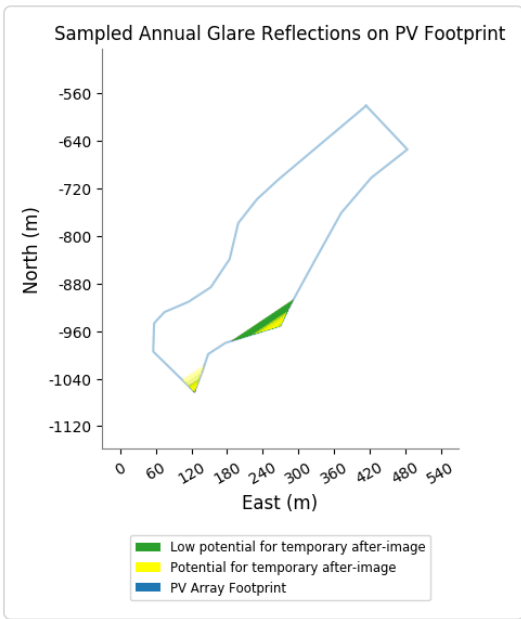
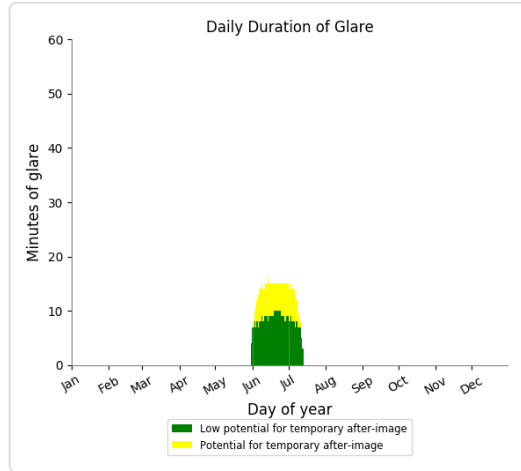
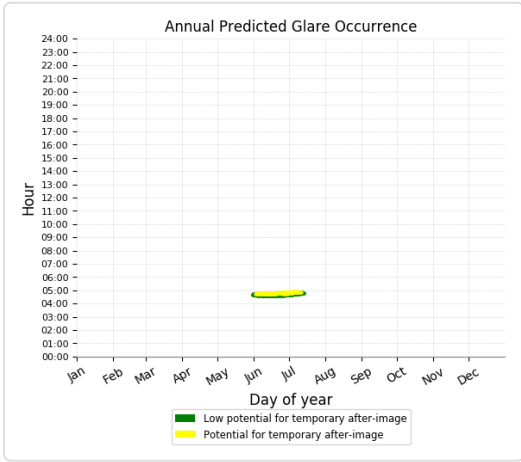
- 241 minutes of "green" glare with low potential to cause temporary after-image.
- 149 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 15)

PV array is expected to produce the following glare for receptors at this location:

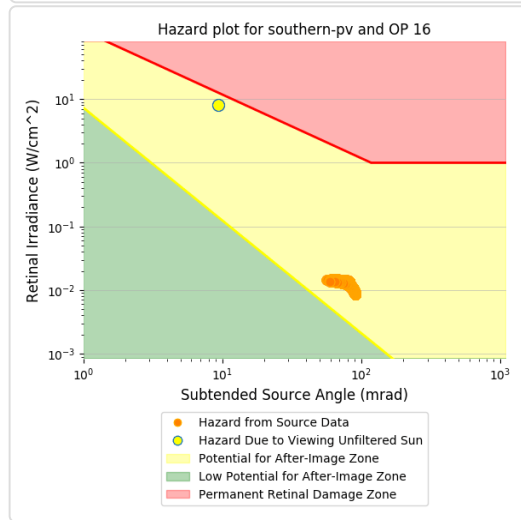
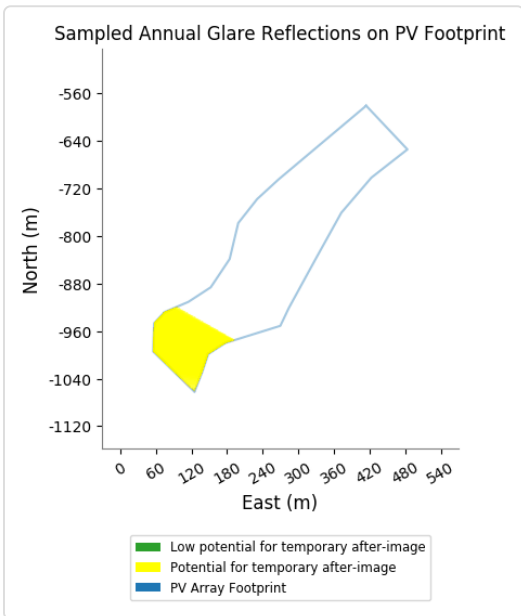
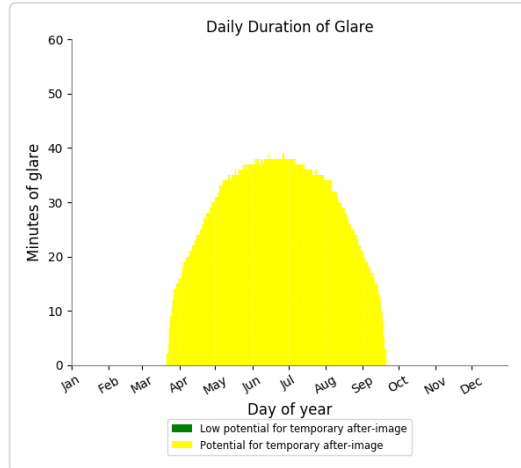
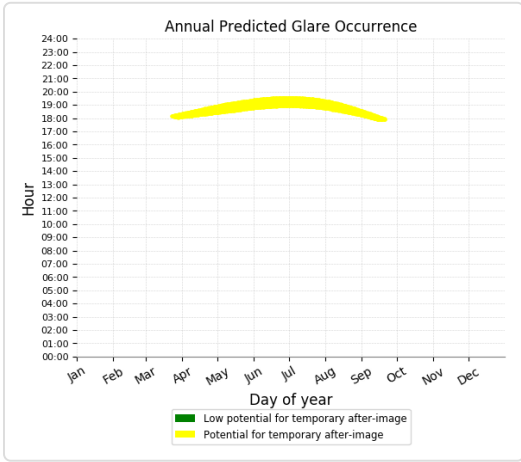
- 358 minutes of "green" glare with low potential to cause temporary after-image.
- 210 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 16)

PV array is expected to produce the following glare for receptors at this location:

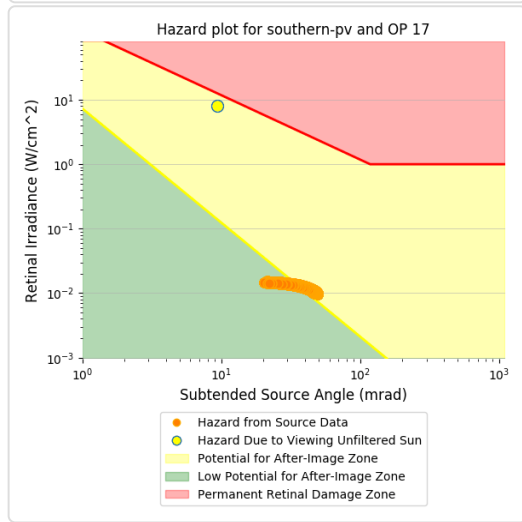
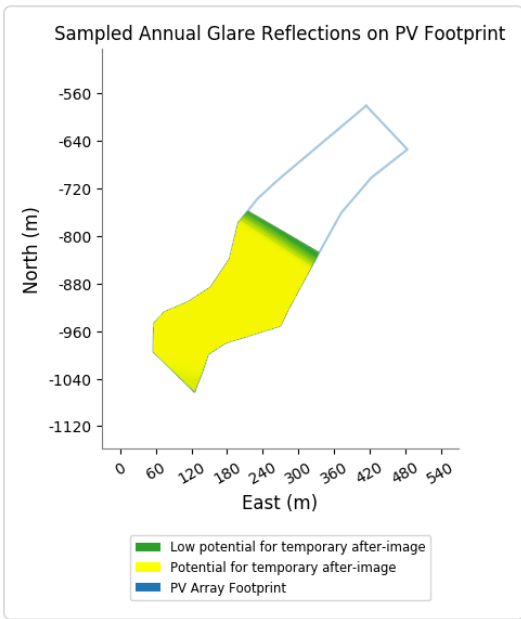
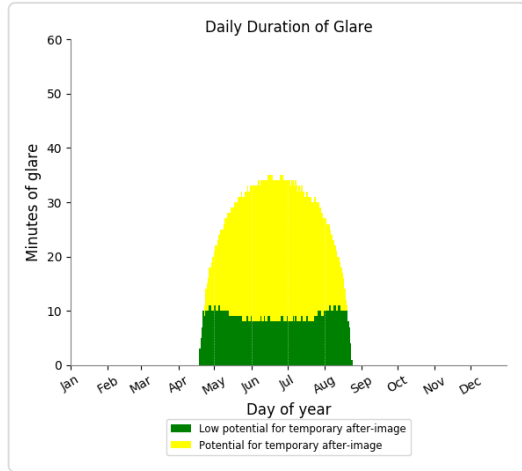
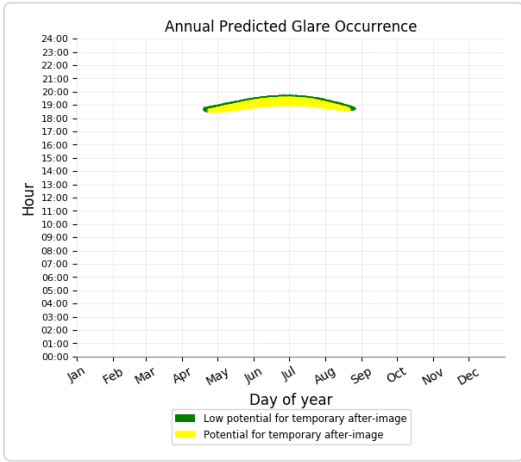
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 5,326 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 17)

PV array is expected to produce the following glare for receptors at this location:

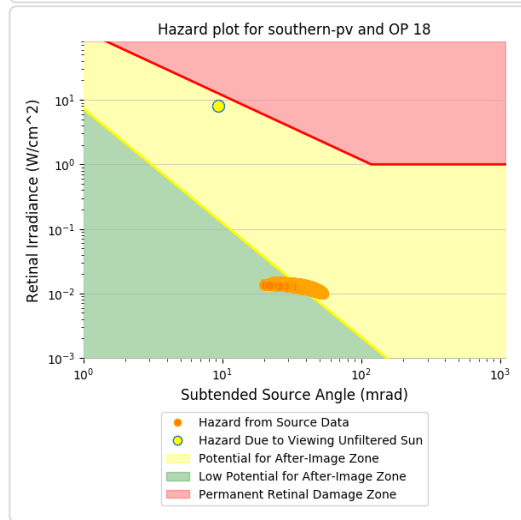
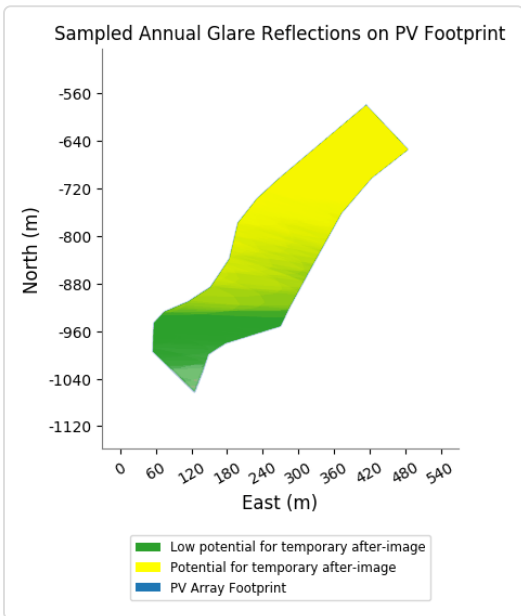
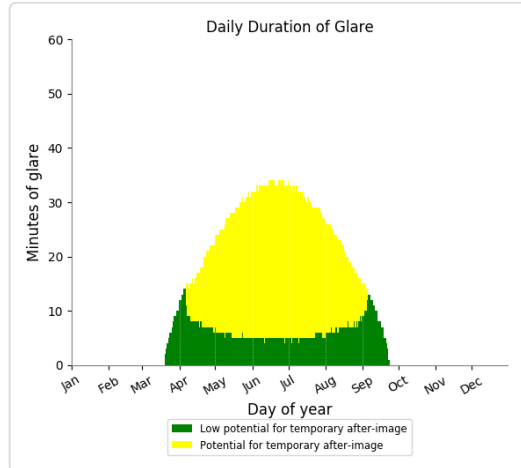
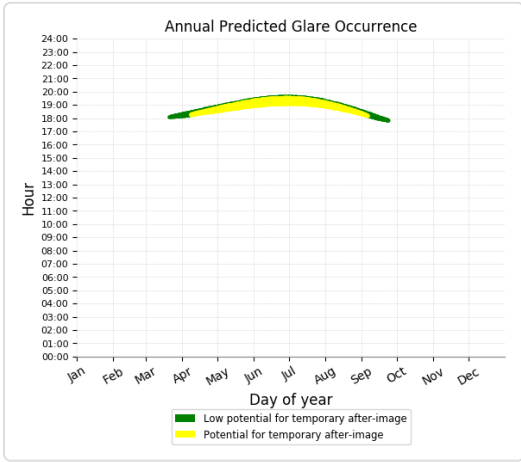
- 1,134 minutes of "green" glare with low potential to cause temporary after-image.
- 2,335 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 18)

PV array is expected to produce the following glare for receptors at this location:

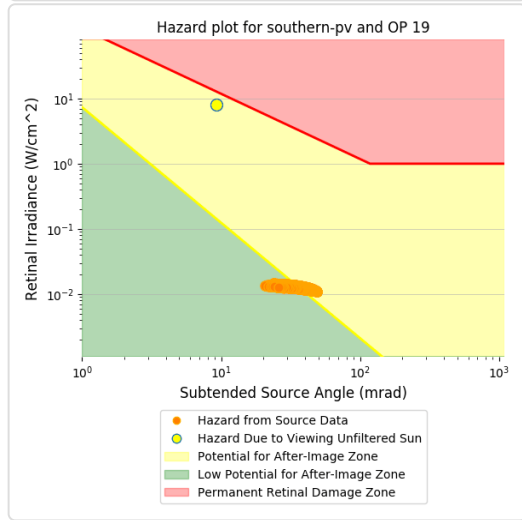
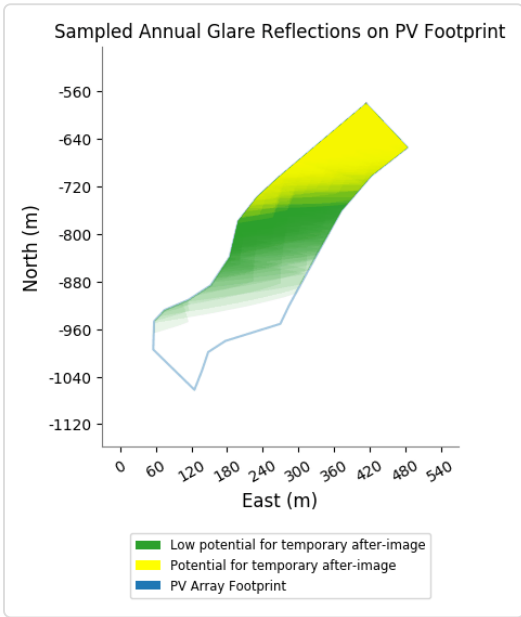
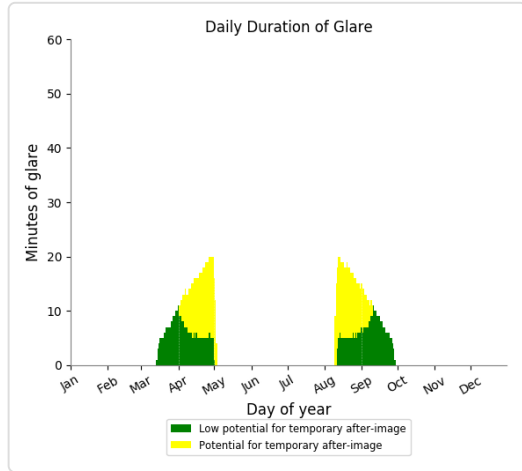
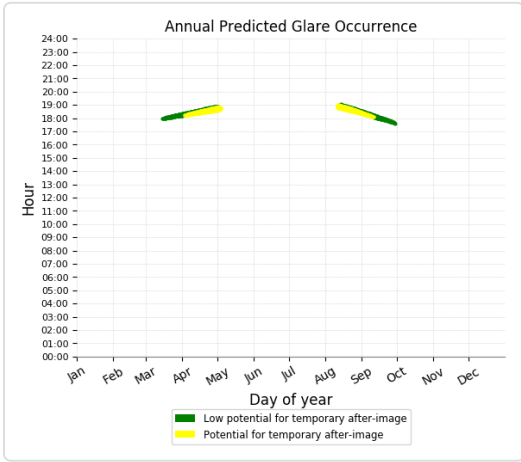
- 1,230 minutes of "green" glare with low potential to cause temporary after-image.
- 3,050 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 19)

PV array is expected to produce the following glare for receptors at this location:

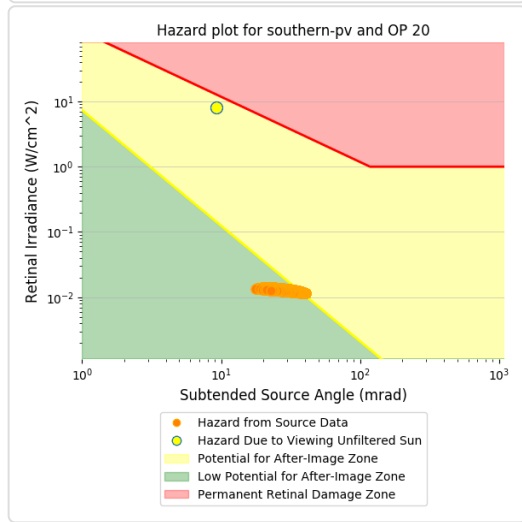
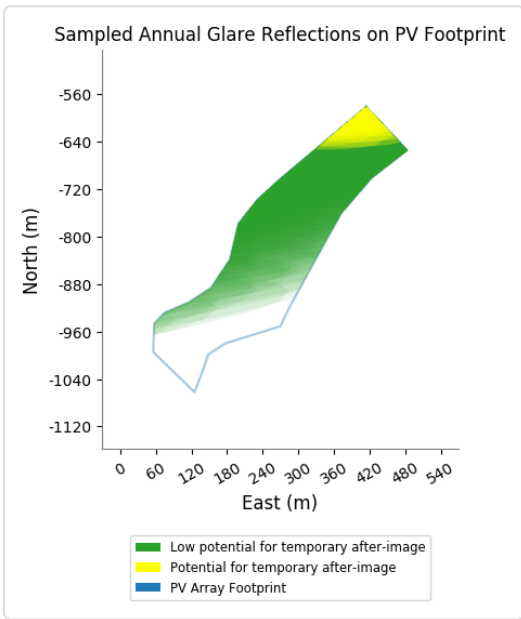
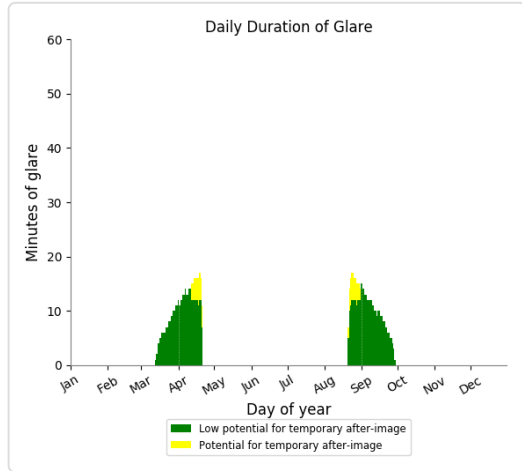
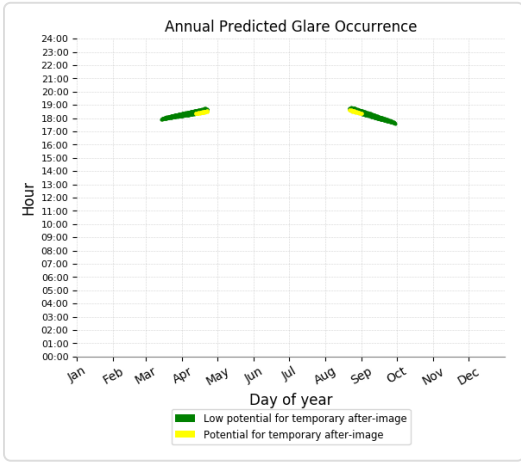
- 610 minutes of "green" glare with low potential to cause temporary after-image.
- 642 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 20)

PV array is expected to produce the following glare for receptors at this location:

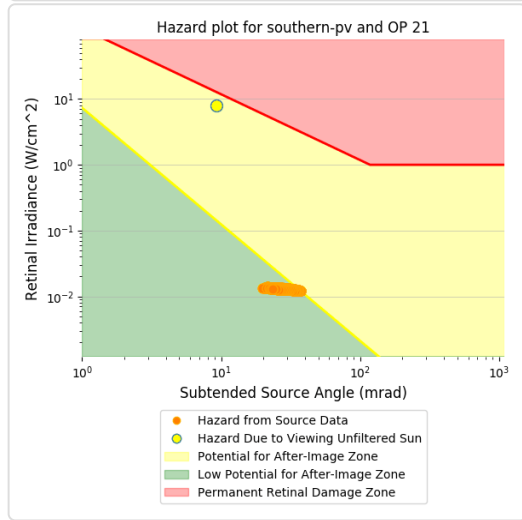
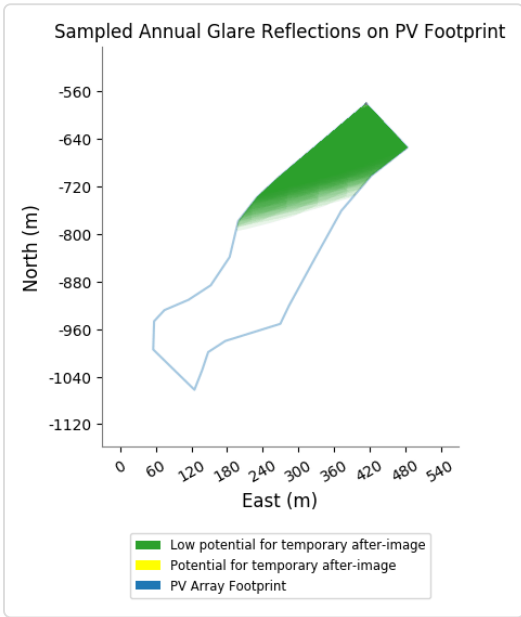
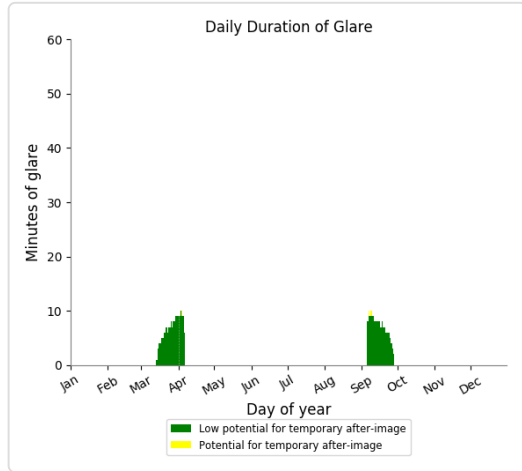
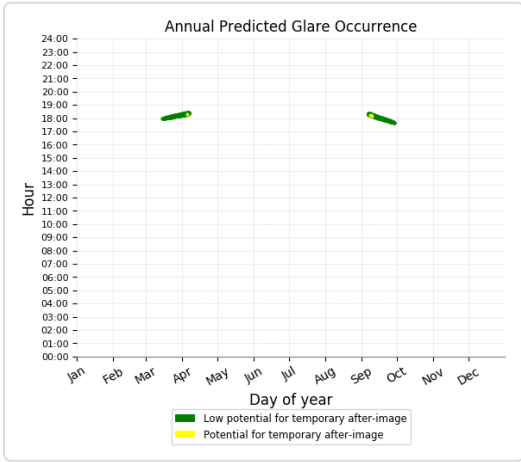
- 772 minutes of "green" glare with low potential to cause temporary after-image.
- 81 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 21)

PV array is expected to produce the following glare for receptors at this location:

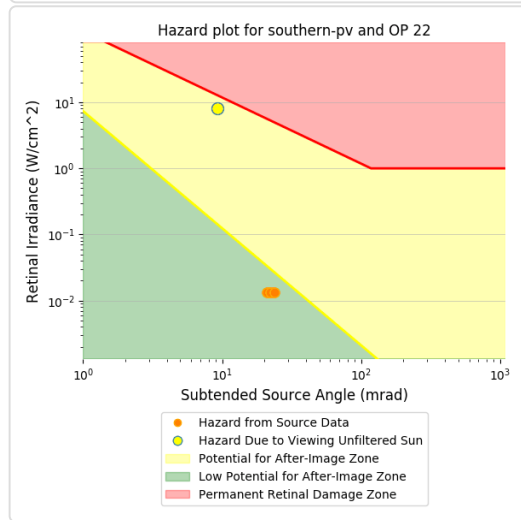
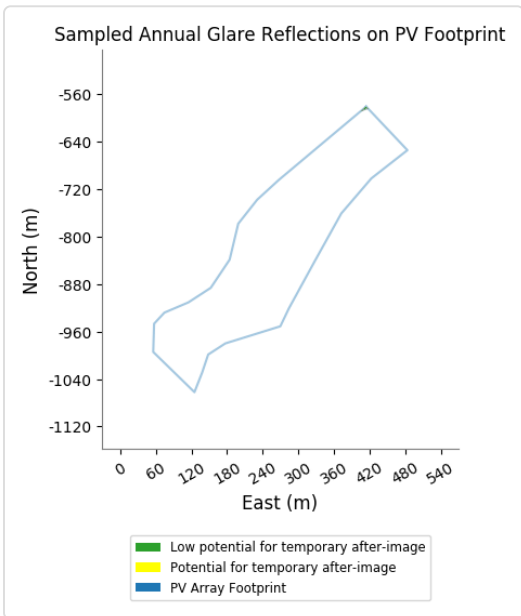
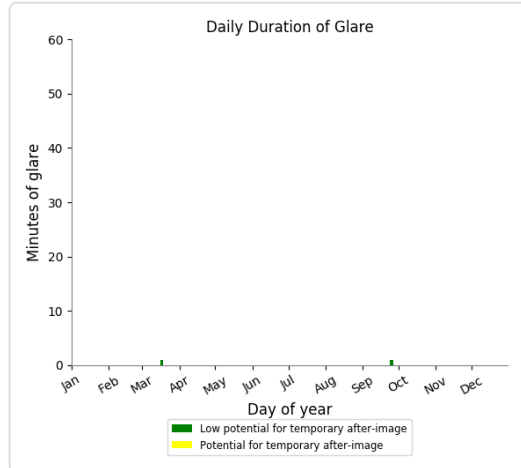
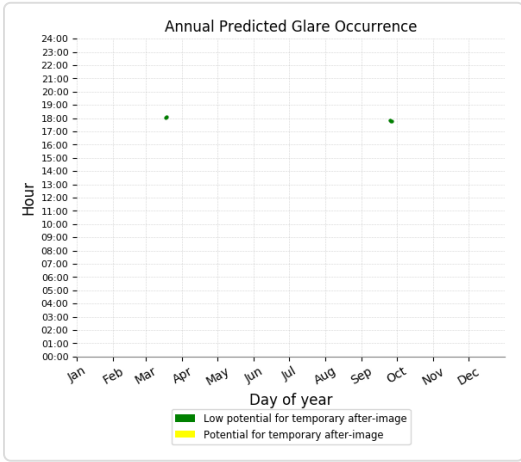
- 322 minutes of "green" glare with low potential to cause temporary after-image.
- 3 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 22)

PV array is expected to produce the following glare for receptors at this location:

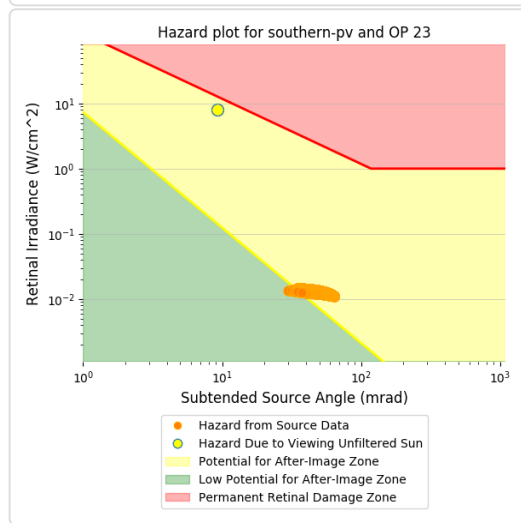
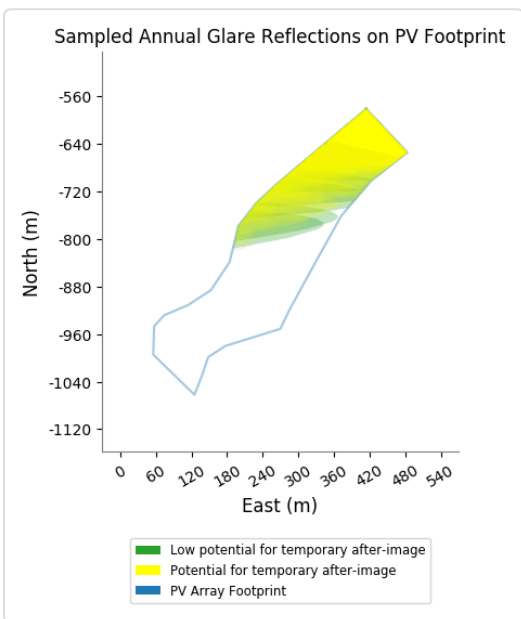
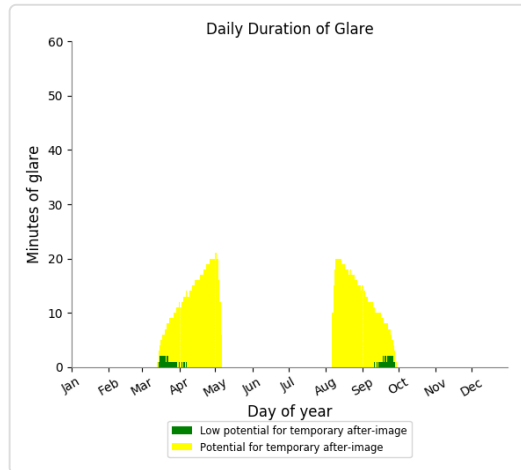
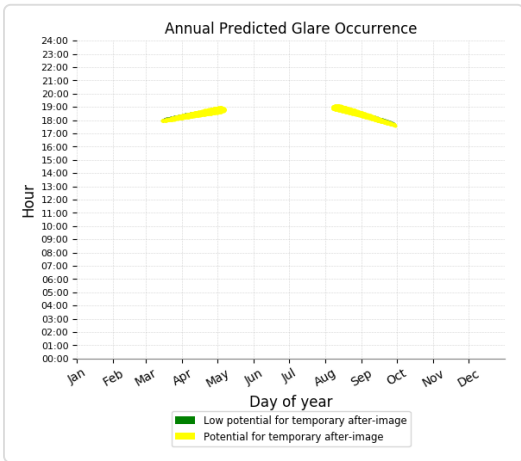
- 5 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 23)

PV array is expected to produce the following glare for receptors at this location:

- 49 minutes of "green" glare with low potential to cause temporary after-image.
- 1,358 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 24)

No glare found

Southern PV Array - OP Receptor (OP 25)

No glare found

Southern PV Array - OP Receptor (OP 26)

No glare found

Southern PV Array - OP Receptor (OP 27)

No glare found

Southern PV Array - OP Receptor (OP 28)

No glare found

Southern PV Array - OP Receptor (OP 29)

No glare found

Southern PV Array - OP Receptor (OP 30)

No glare found

Southern PV Array - OP Receptor (OP 31)

No glare found

Southern PV Array - OP Receptor (OP 32)

No glare found

Southern PV Array - OP Receptor (OP 33)

No glare found

Southern PV Array - OP Receptor (OP 34)

No glare found

Southern PV Array - OP Receptor (OP 35)

No glare found

Southern PV Array - OP Receptor (OP 36)

No glare found

Southern PV Array - OP Receptor (OP 37)

No glare found

Southern PV Array - OP Receptor (OP 38)

No glare found

Southern PV Array - OP Receptor (OP 39)

No glare found

Southern PV Array - OP Receptor (OP 40)

No glare found

Western PV Array potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	2309
OP: OP 3	0	2309
OP: OP 4	3	2305
OP: OP 5	57	1999
OP: OP 6	66	1923
OP: OP 7	43	2265
OP: OP 8	55	2252
OP: OP 9	150	2138
OP: OP 10	177	2098
OP: OP 11	0	2303
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	426	0
OP: OP 19	1134	307
OP: OP 20	1274	534
OP: OP 21	1069	944
OP: OP 22	1063	1188
OP: OP 23	674	317
OP: OP 24	228	1252
OP: OP 25	217	1484
OP: OP 26	624	1855

OP: OP 27	545	1759
OP: OP 28	443	1213
OP: OP 29	360	808
OP: OP 30	301	609
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	2809

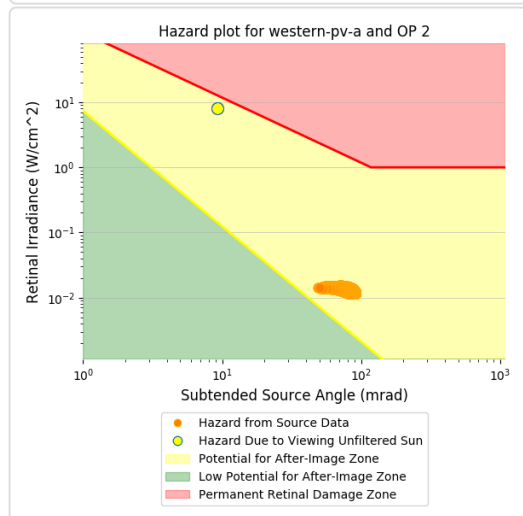
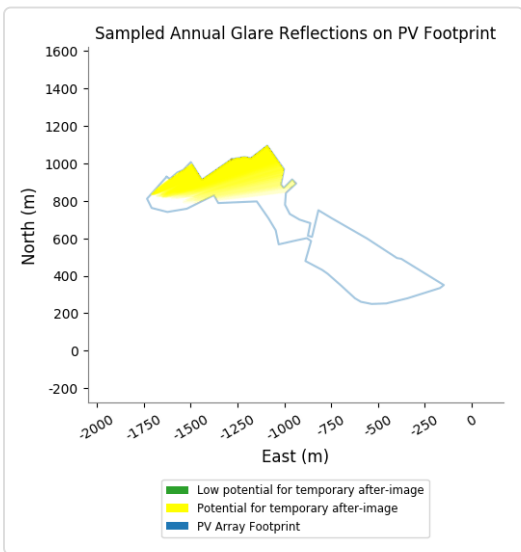
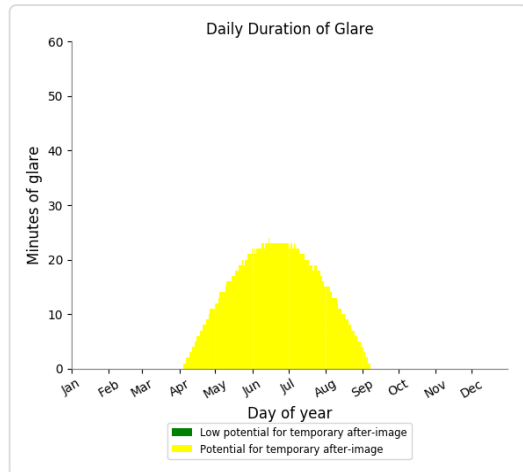
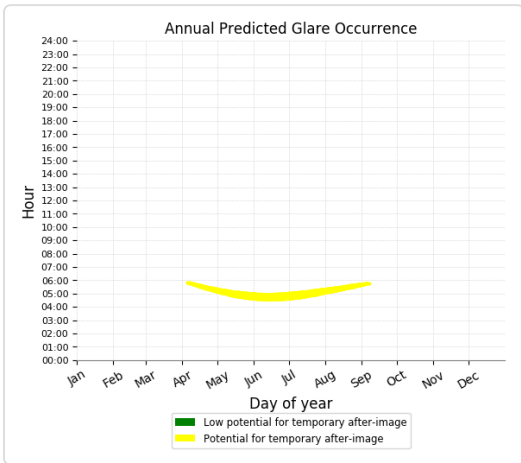
Western PV Array - OP Receptor (OP 1)

No glare found

Western PV Array - OP Receptor (OP 2)

PV array is expected to produce the following glare for receptors at this location:

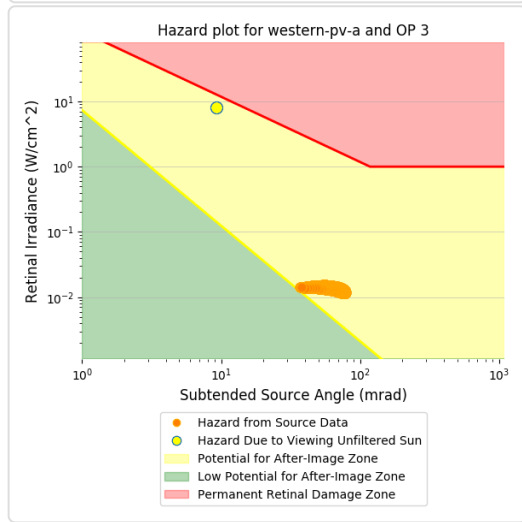
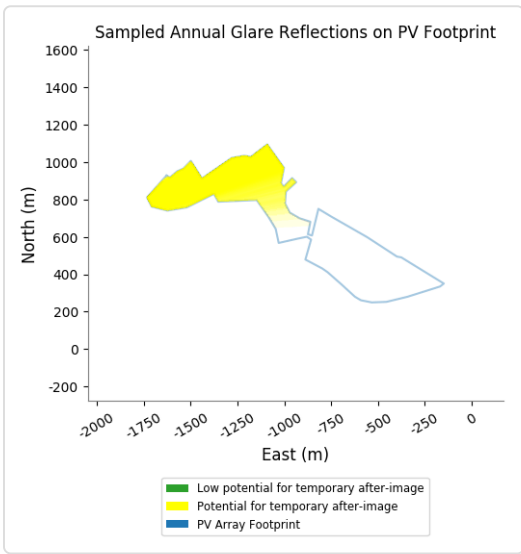
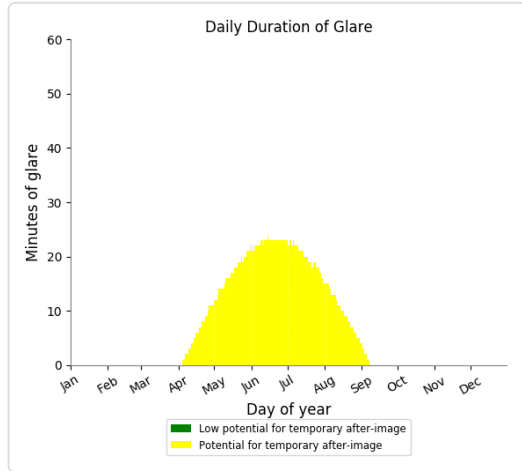
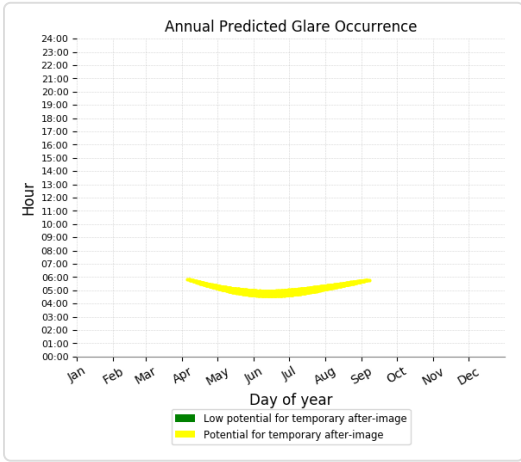
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,309 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 3)

PV array is expected to produce the following glare for receptors at this location:

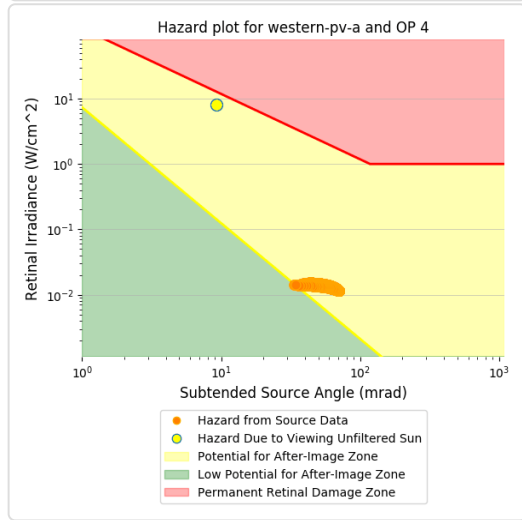
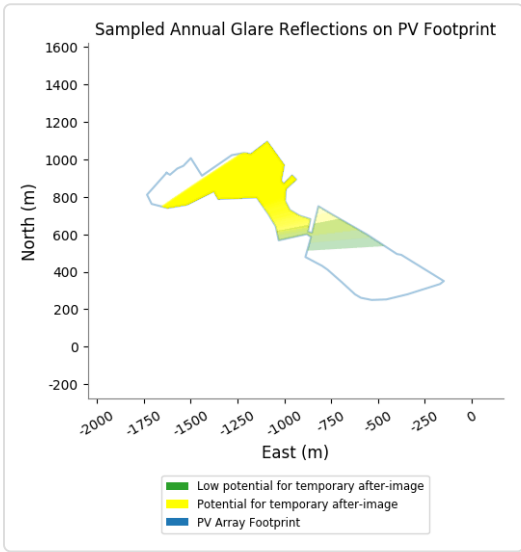
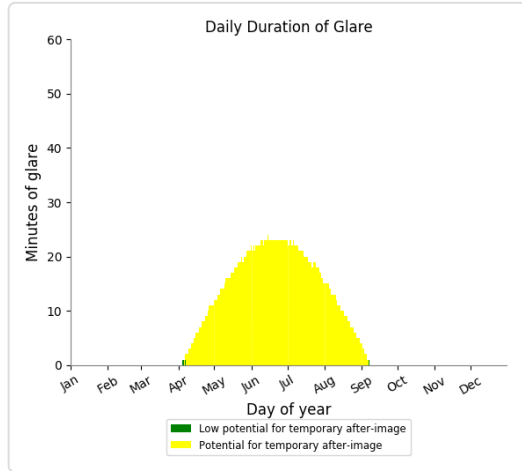
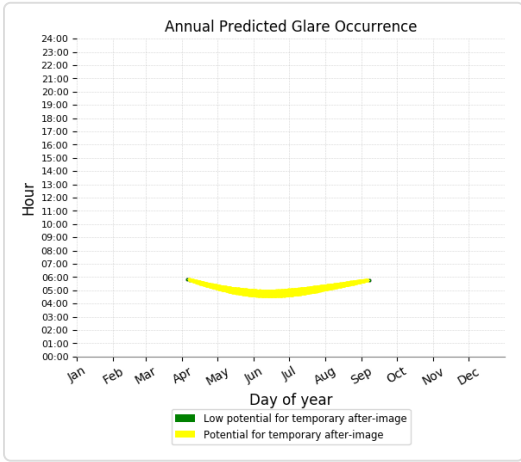
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,309 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 4)

PV array is expected to produce the following glare for receptors at this location:

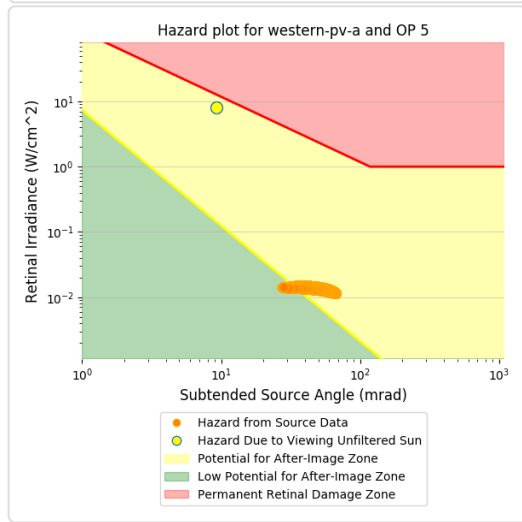
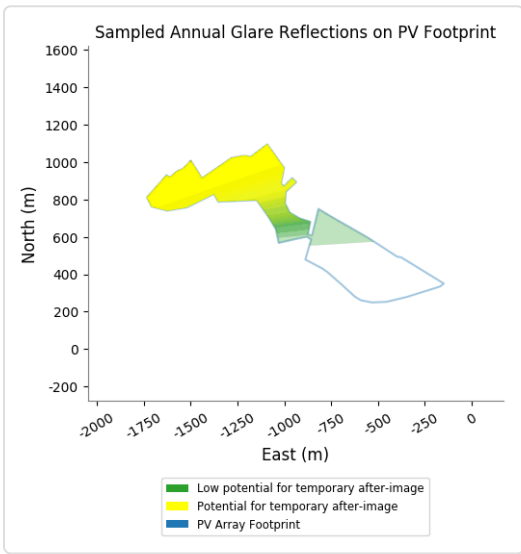
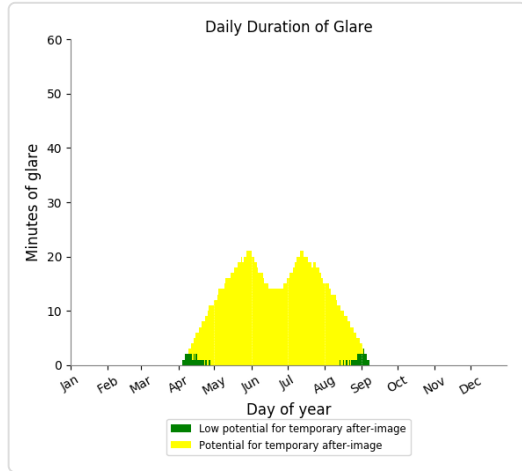
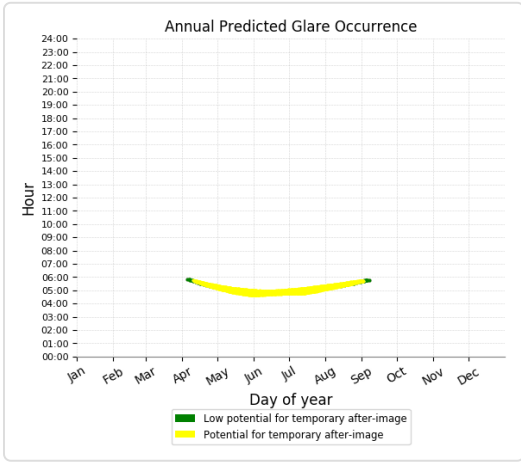
- 3 minutes of "green" glare with low potential to cause temporary after-image.
- 2,305 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 5)

PV array is expected to produce the following glare for receptors at this location:

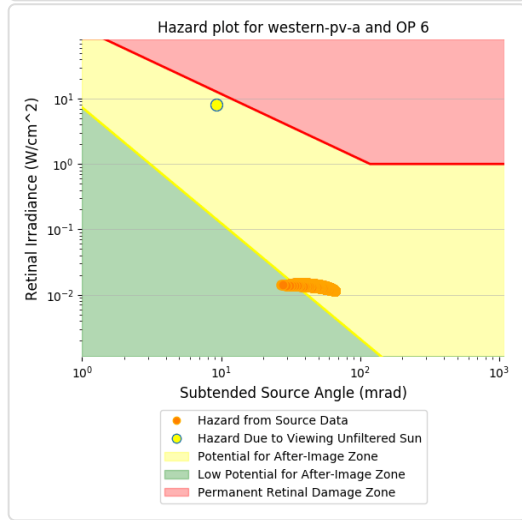
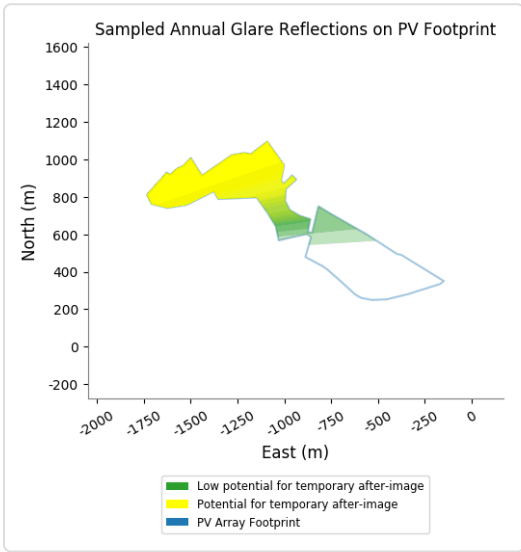
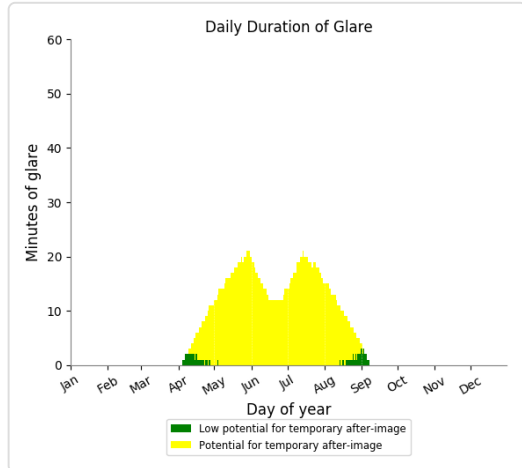
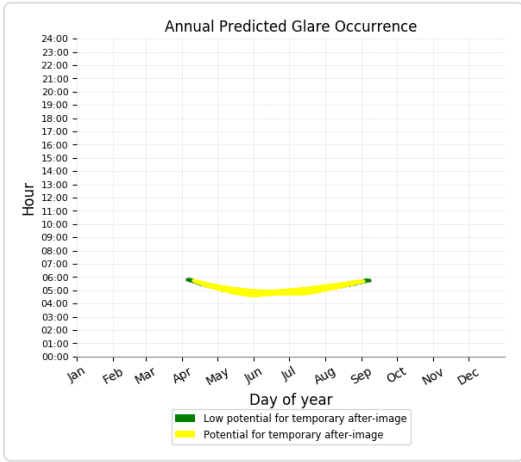
- 57 minutes of "green" glare with low potential to cause temporary after-image.
- 1,999 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 6)

PV array is expected to produce the following glare for receptors at this location:

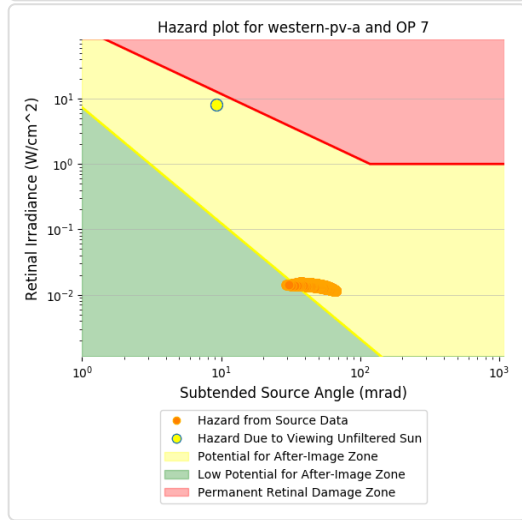
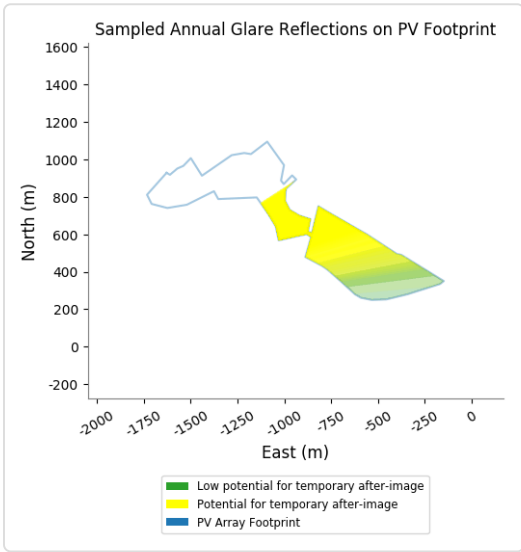
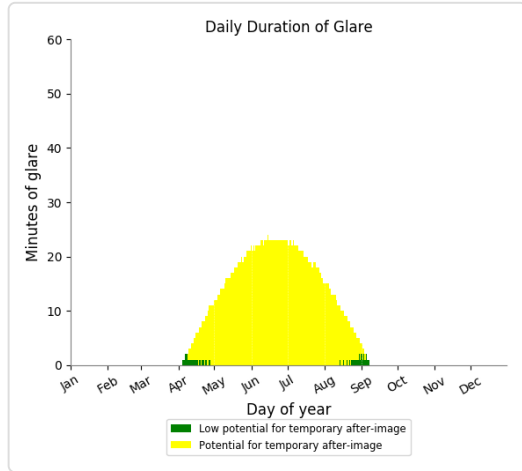
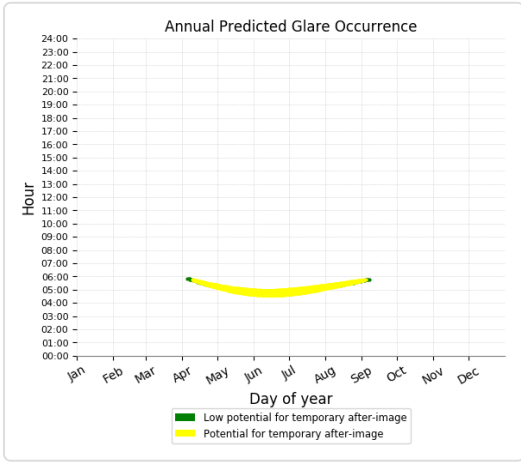
- 66 minutes of "green" glare with low potential to cause temporary after-image.
- 1,923 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 7)

PV array is expected to produce the following glare for receptors at this location:

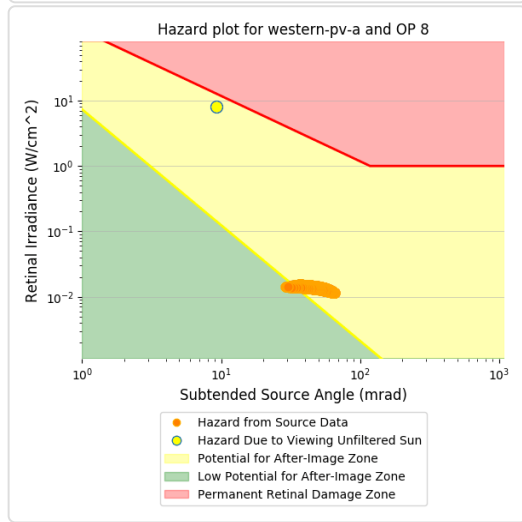
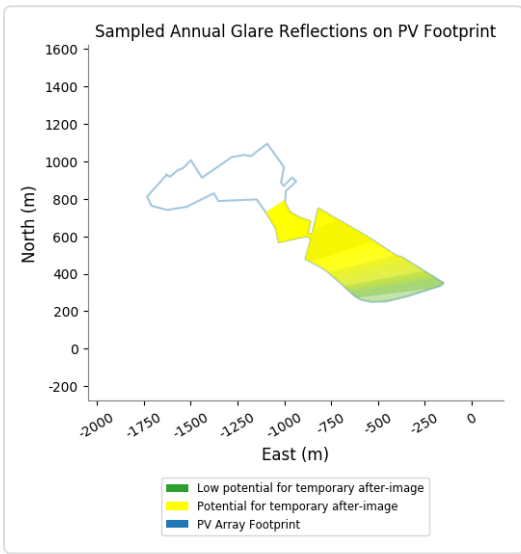
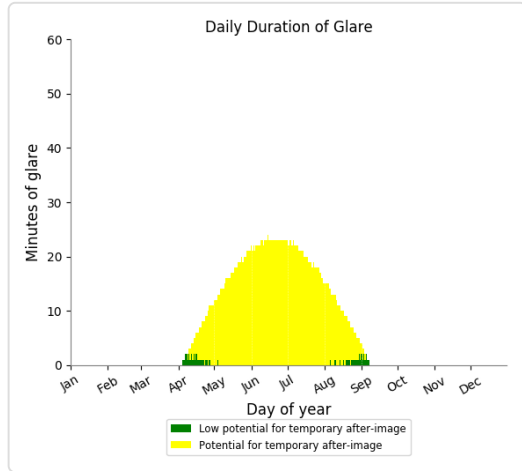
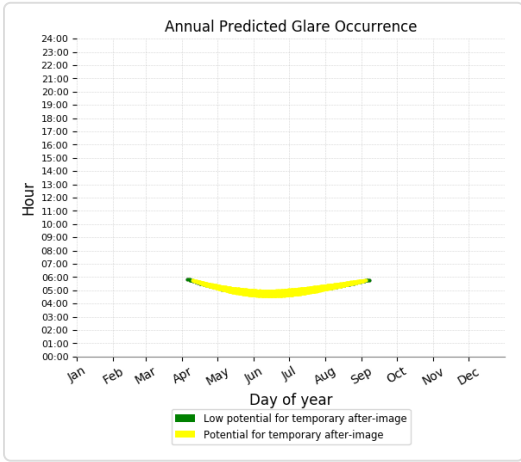
- 43 minutes of "green" glare with low potential to cause temporary after-image.
- 2,265 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 8)

PV array is expected to produce the following glare for receptors at this location:

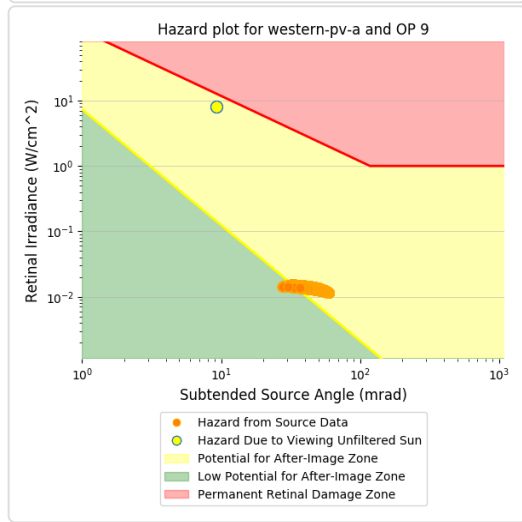
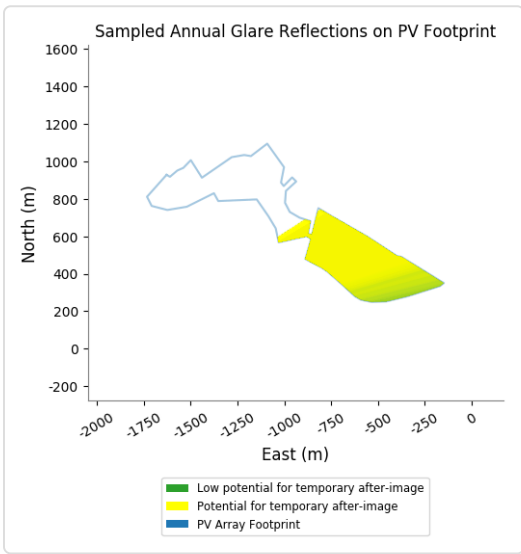
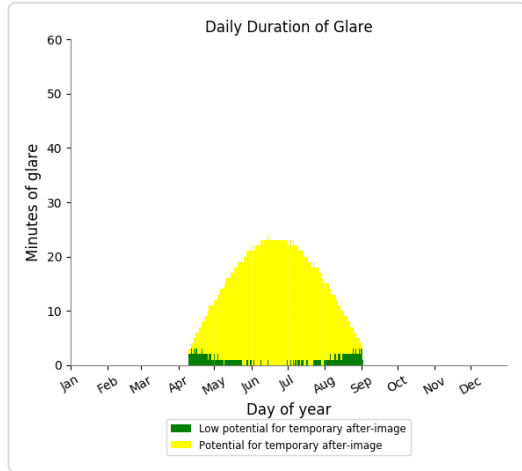
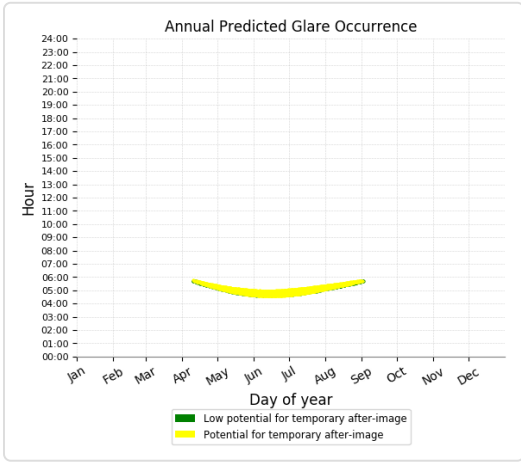
- 55 minutes of "green" glare with low potential to cause temporary after-image.
- 2,252 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 9)

PV array is expected to produce the following glare for receptors at this location:

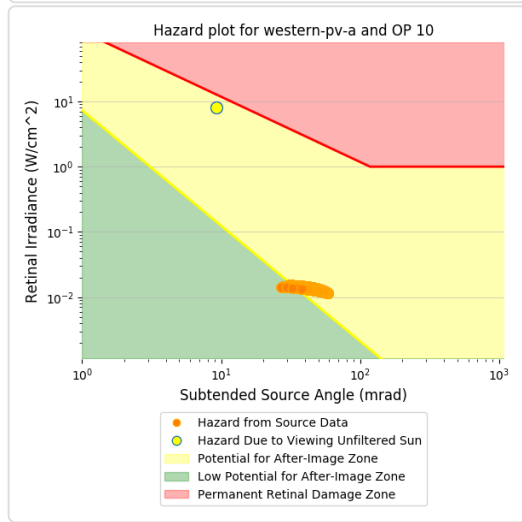
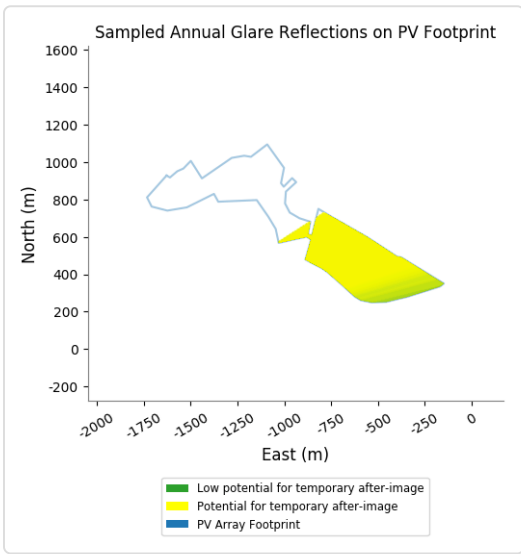
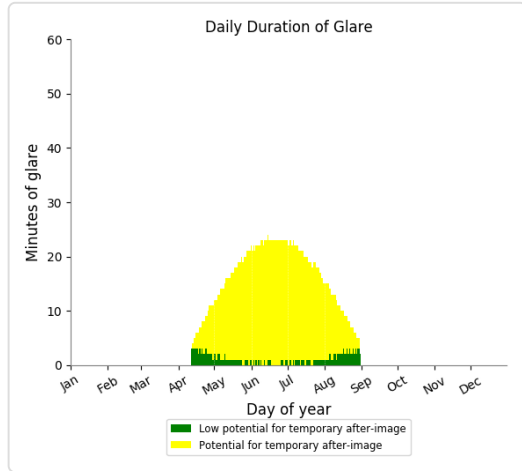
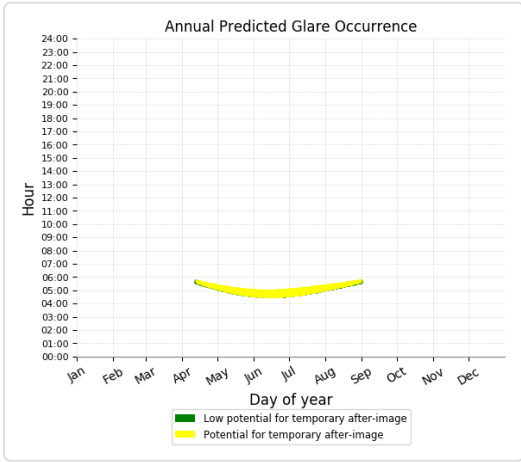
- 150 minutes of "green" glare with low potential to cause temporary after-image.
- 2,138 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 10)

PV array is expected to produce the following glare for receptors at this location:

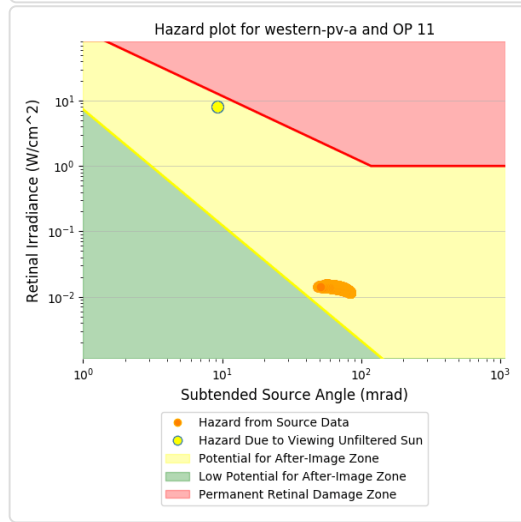
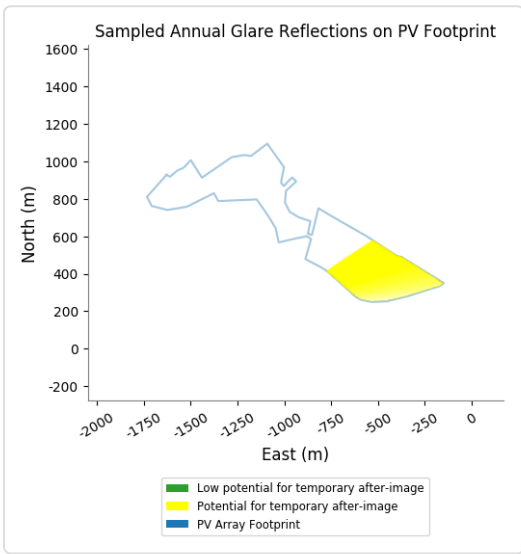
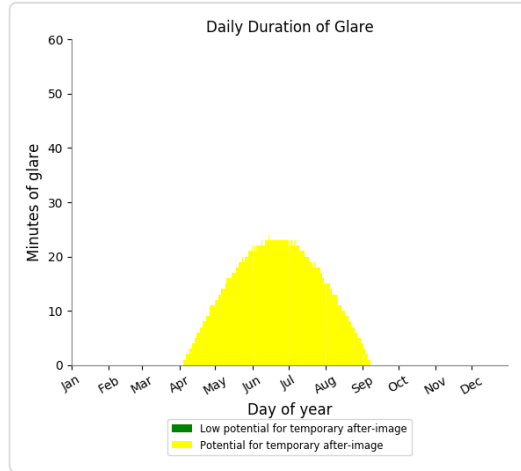
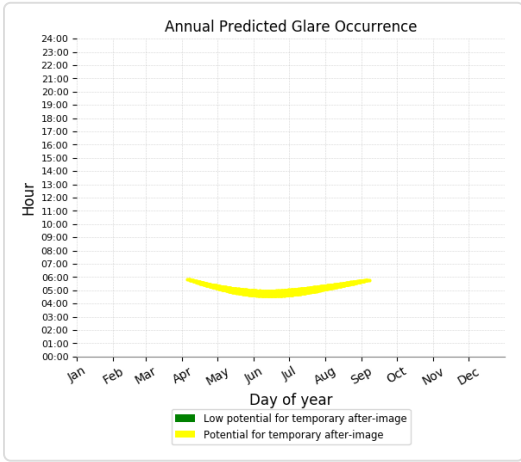
- 177 minutes of "green" glare with low potential to cause temporary after-image.
- 2,098 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 11)

PV array is expected to produce the following glare for receptors at this location:

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



Western PV Array - OP Receptor (OP 12)

No glare found

Western PV Array - OP Receptor (OP 13)

No glare found

Western PV Array - OP Receptor (OP 14)

No glare found

Western PV Array - OP Receptor (OP 15)

No glare found

Western PV Array - OP Receptor (OP 16)

No glare found

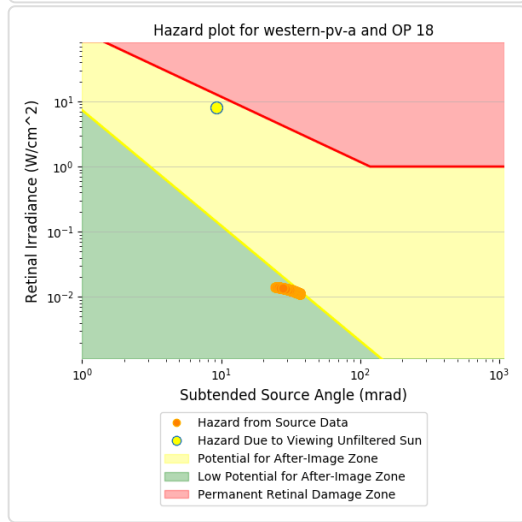
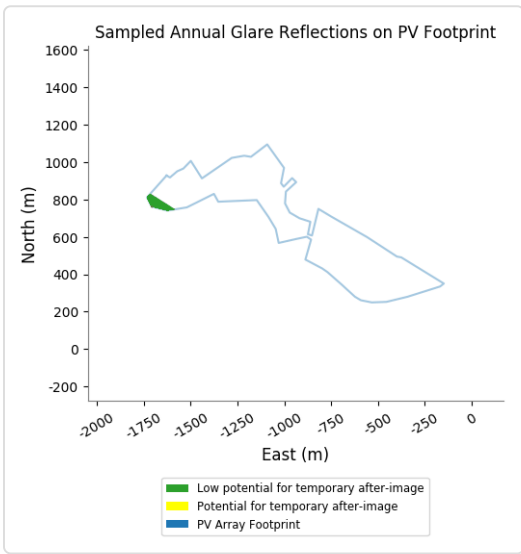
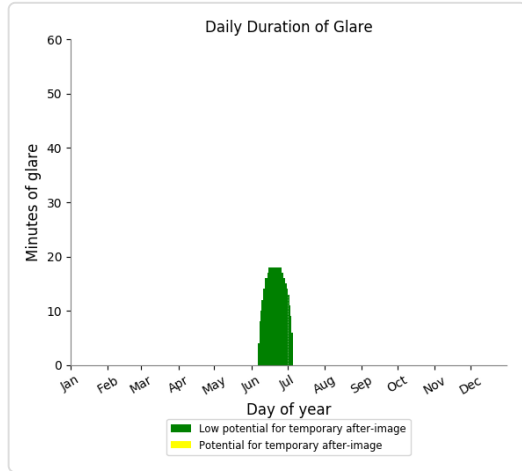
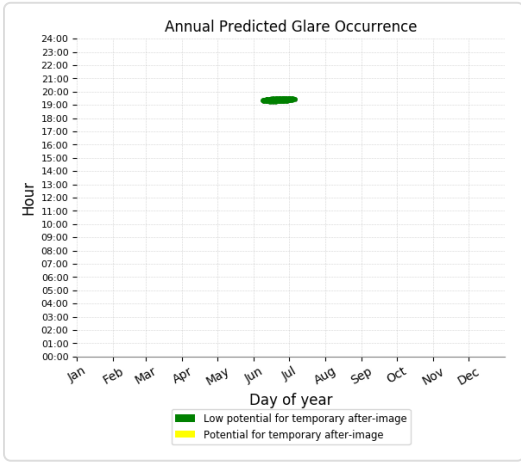
Western PV Array - OP Receptor (OP 17)

No glare found

Western PV Array - OP Receptor (OP 18)

PV array is expected to produce the following glare for receptors at this location:

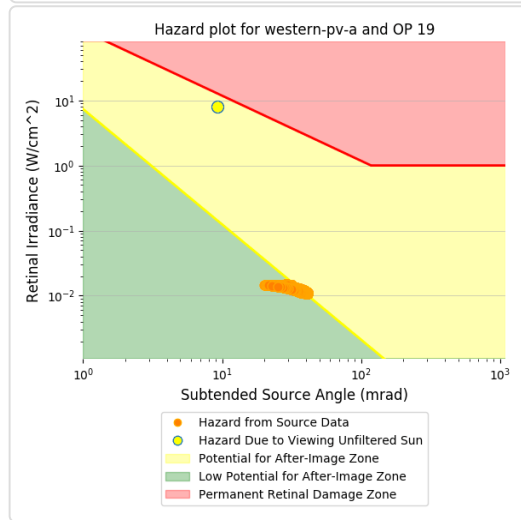
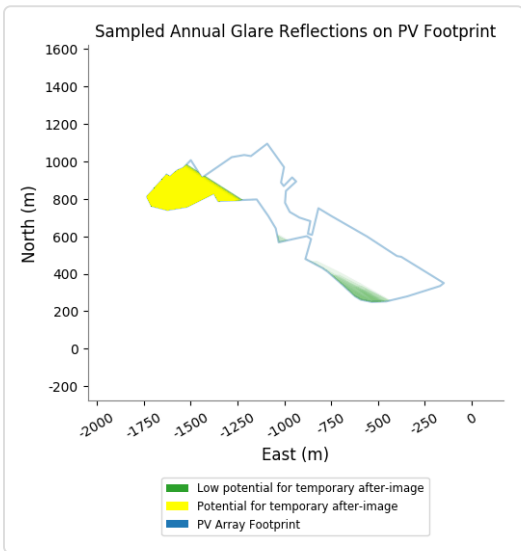
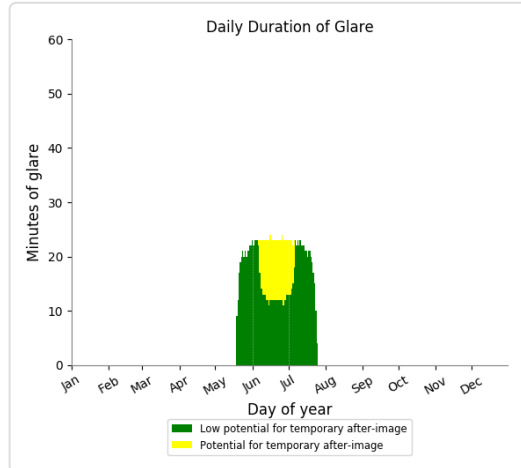
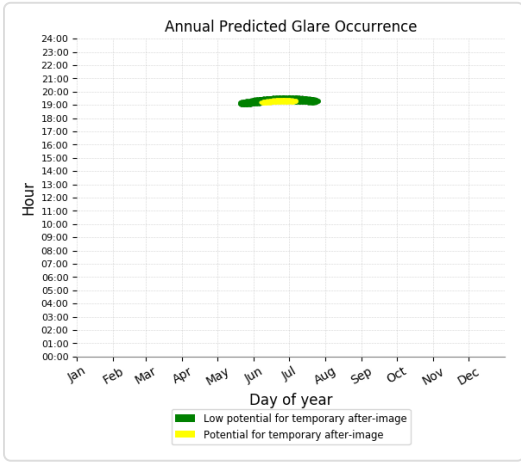
- 426 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 19)

PV array is expected to produce the following glare for receptors at this location:

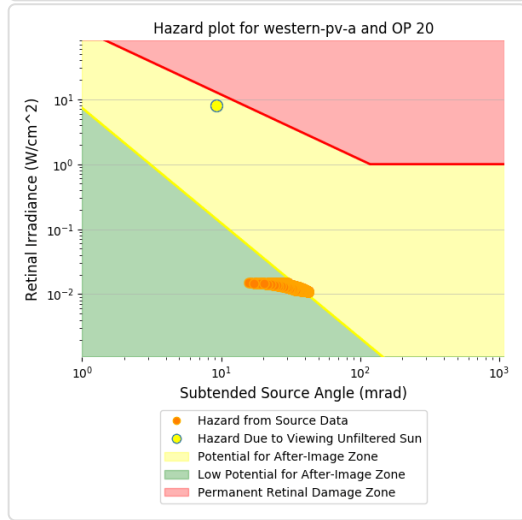
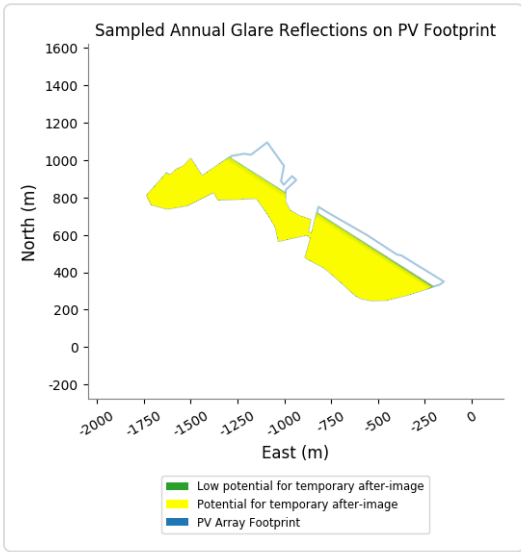
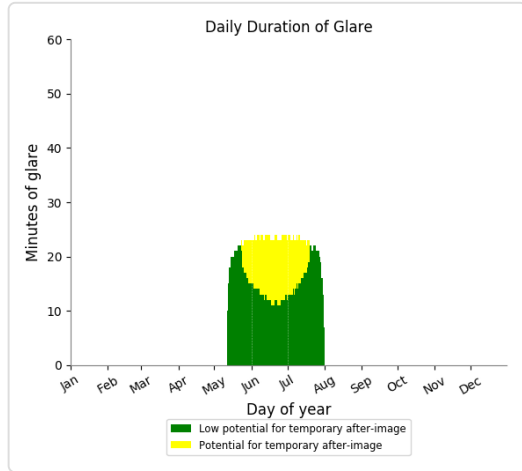
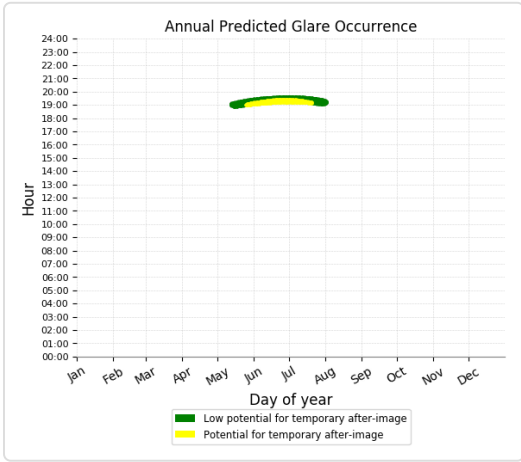
- 1,134 minutes of "green" glare with low potential to cause temporary after-image.
- 307 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 20)

PV array is expected to produce the following glare for receptors at this location:

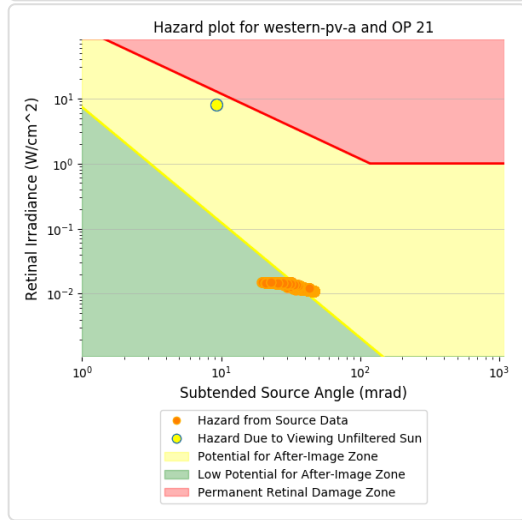
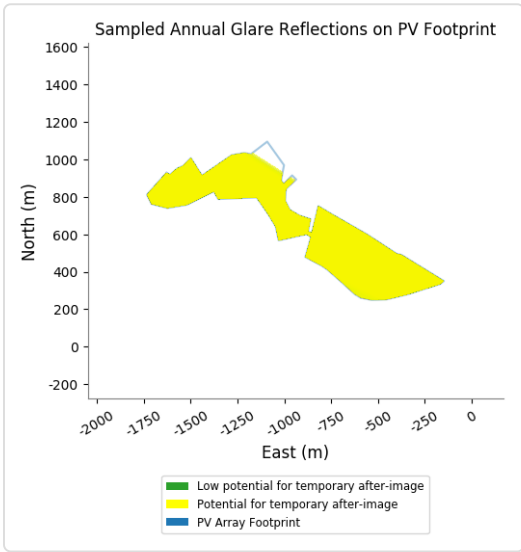
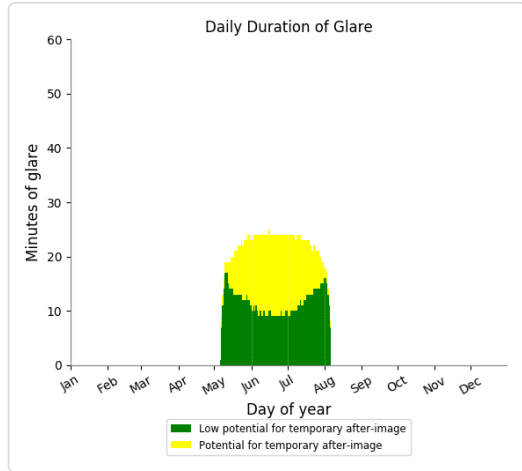
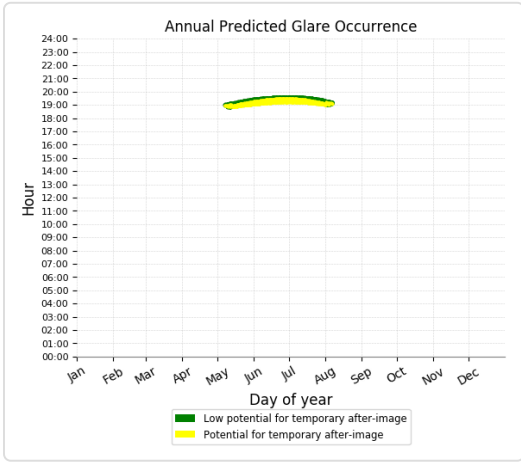
- 1,274 minutes of "green" glare with low potential to cause temporary after-image.
- 534 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 21)

PV array is expected to produce the following glare for receptors at this location:

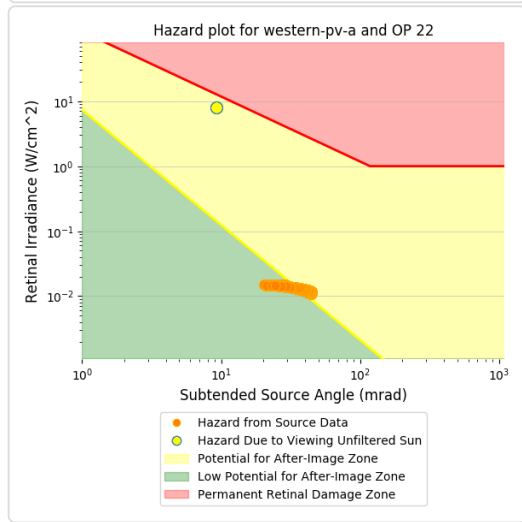
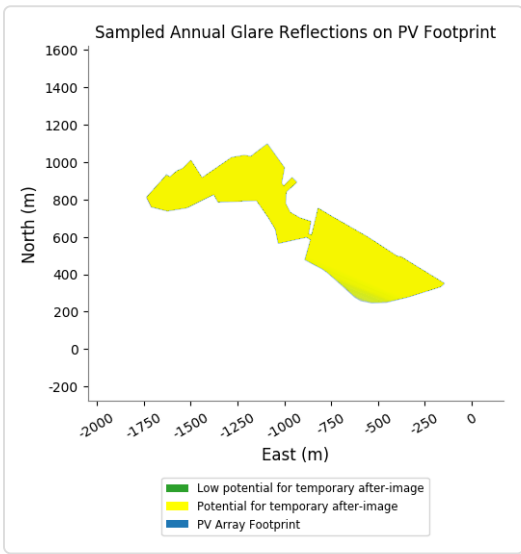
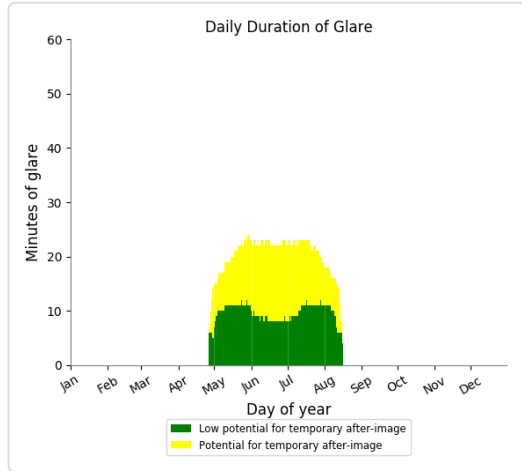
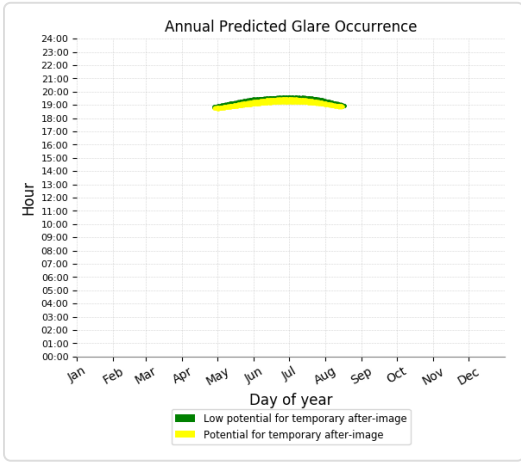
- 1,069 minutes of "green" glare with low potential to cause temporary after-image.
- 944 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 22)

PV array is expected to produce the following glare for receptors at this location:

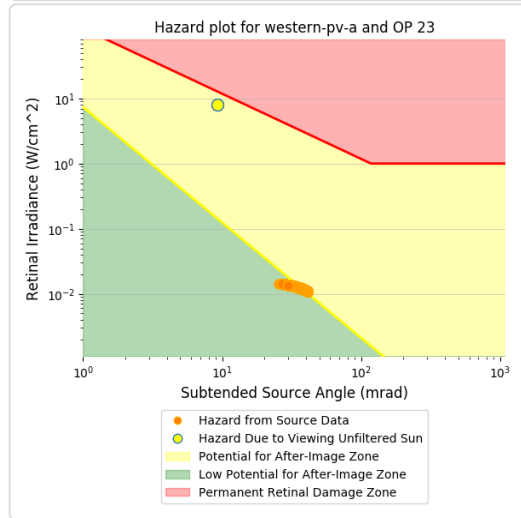
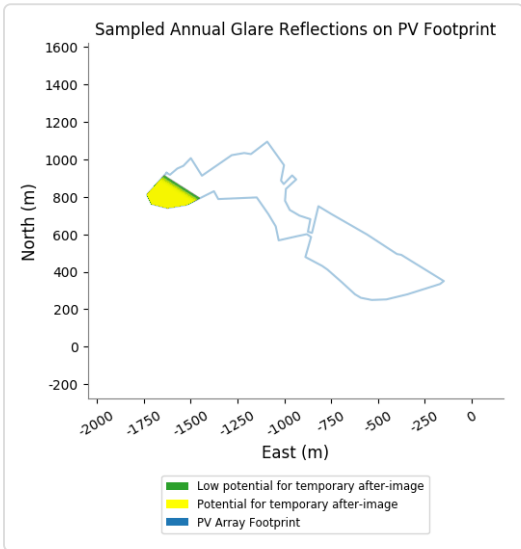
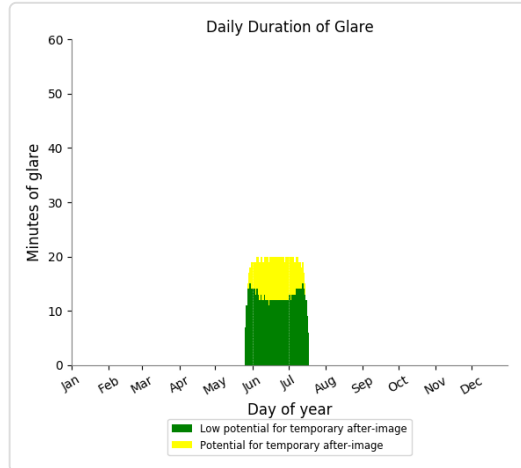
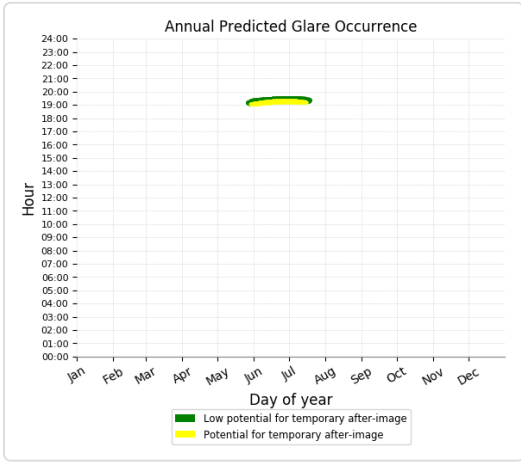
- 1,063 minutes of "green" glare with low potential to cause temporary after-image.
- 1,188 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 23)

PV array is expected to produce the following glare for receptors at this location:

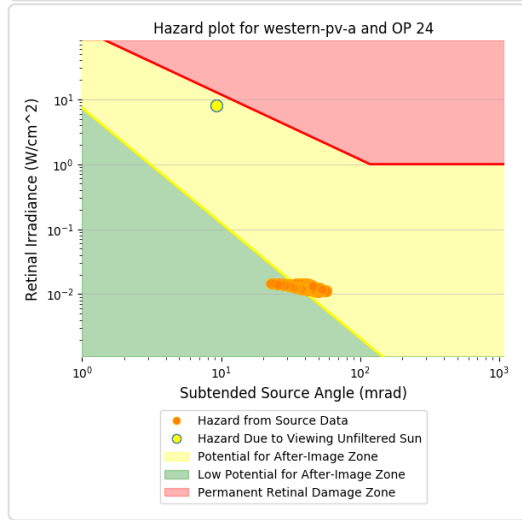
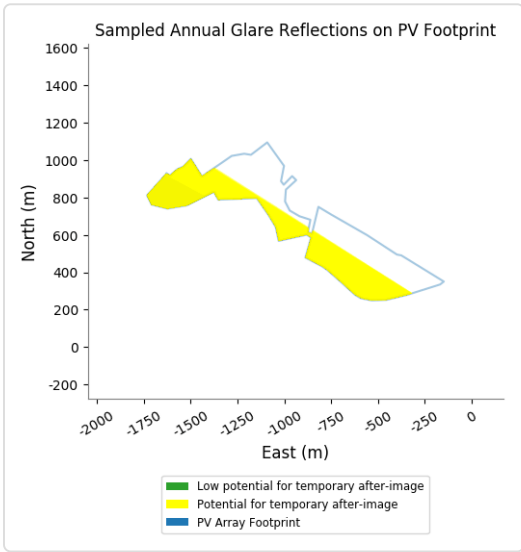
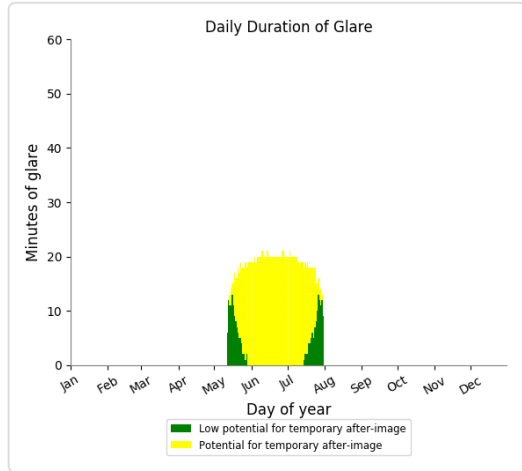
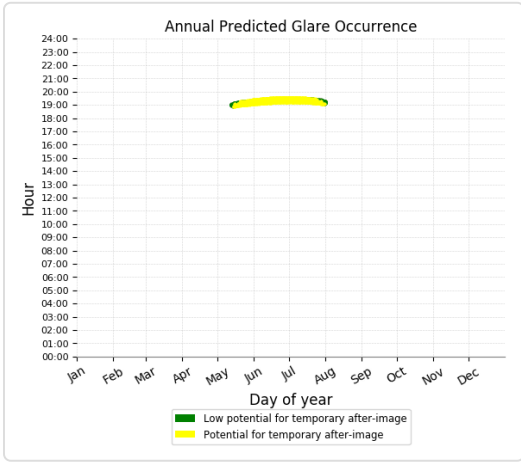
- 674 minutes of "green" glare with low potential to cause temporary after-image.
- 317 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 24)

PV array is expected to produce the following glare for receptors at this location:

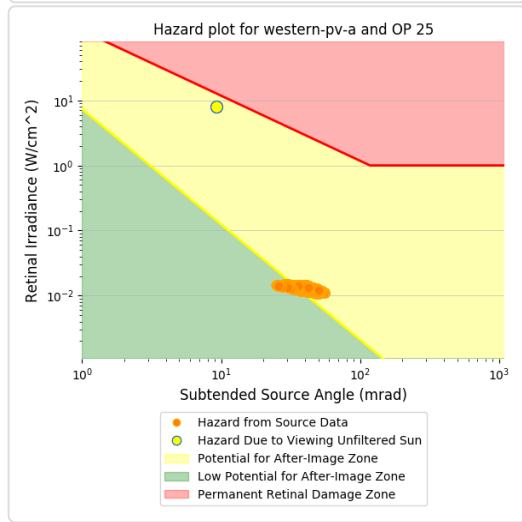
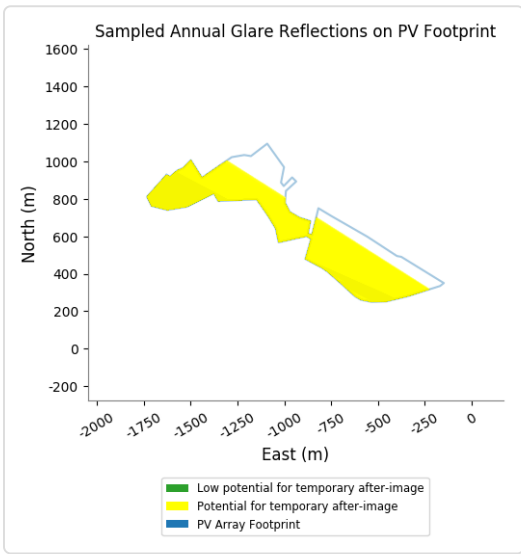
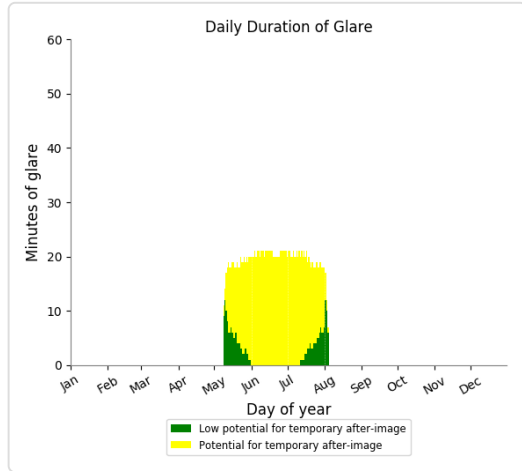
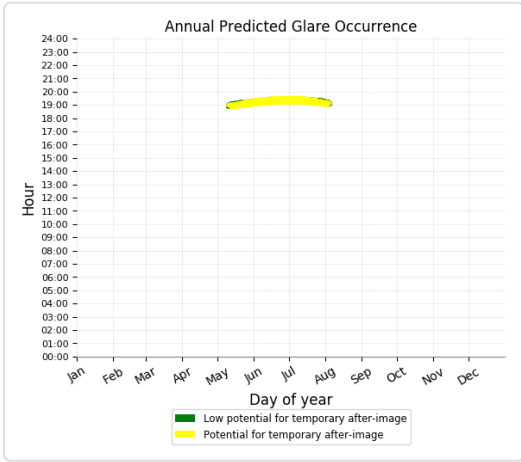
- 228 minutes of "green" glare with low potential to cause temporary after-image.
- 1,252 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 25)

PV array is expected to produce the following glare for receptors at this location:

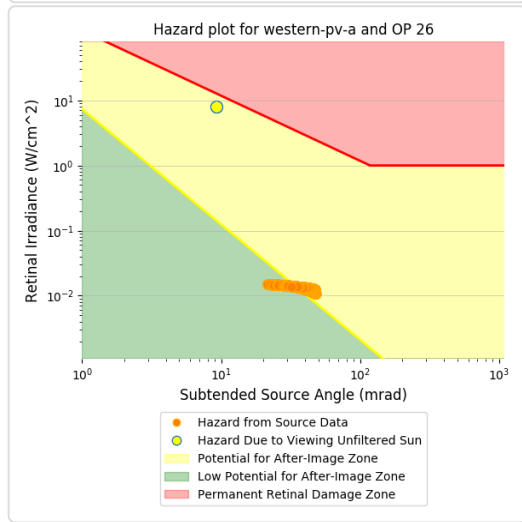
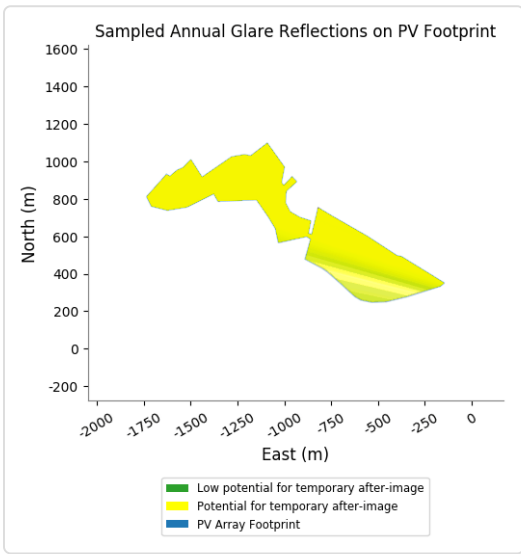
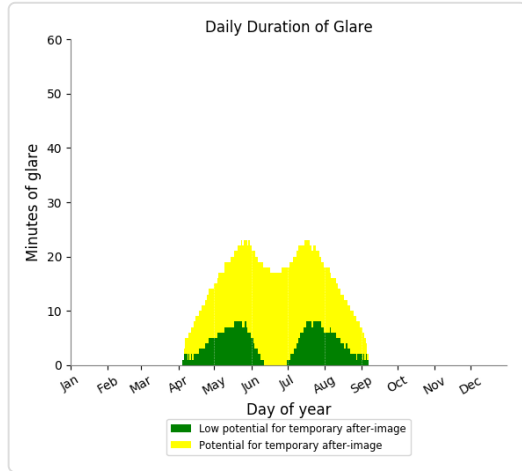
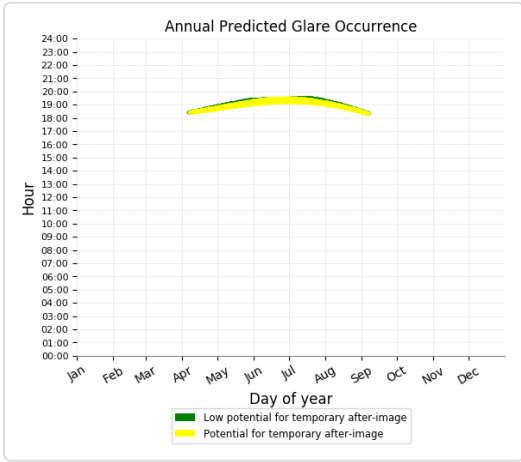
- 217 minutes of "green" glare with low potential to cause temporary after-image.
- 1,484 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 26)

PV array is expected to produce the following glare for receptors at this location:

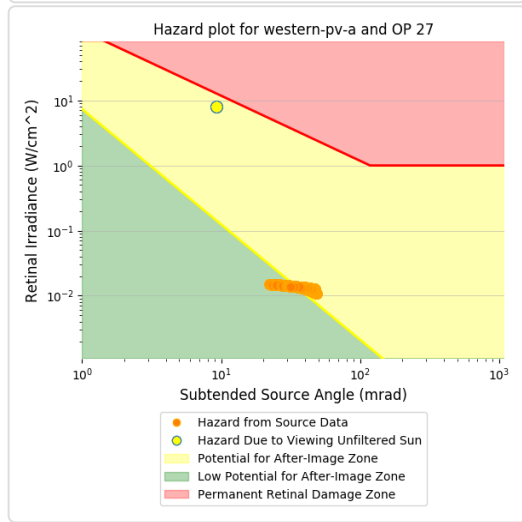
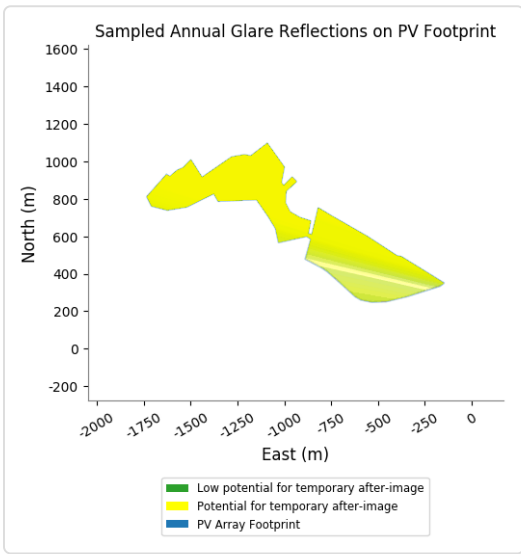
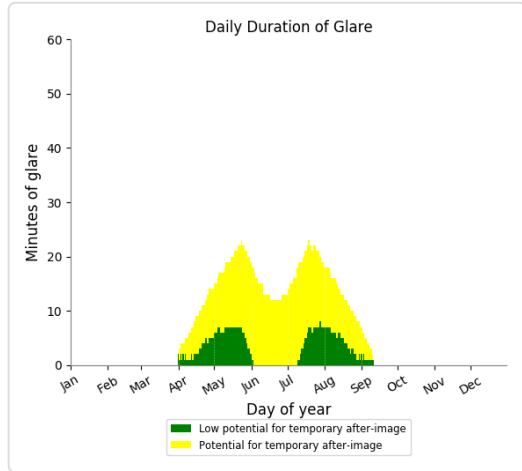
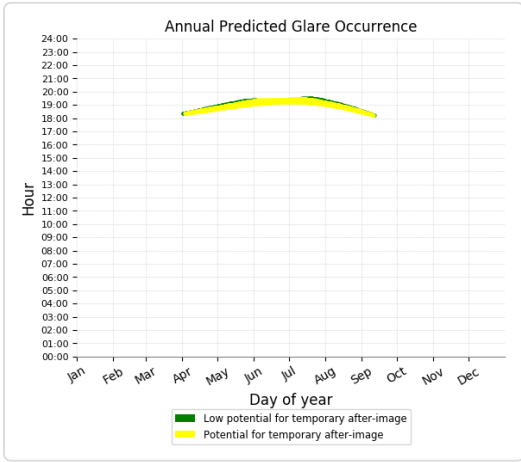
- 624 minutes of "green" glare with low potential to cause temporary after-image.
- 1,855 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 27)

PV array is expected to produce the following glare for receptors at this location:

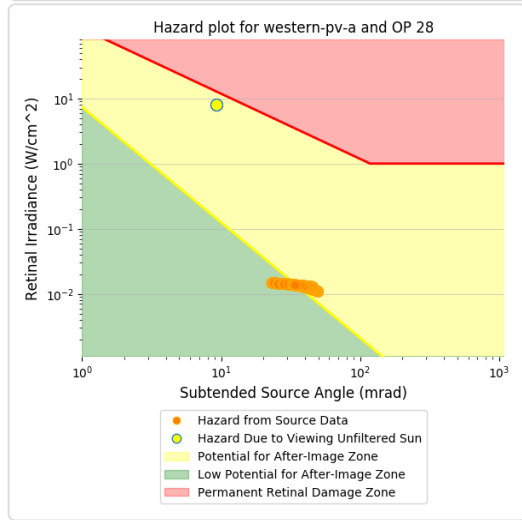
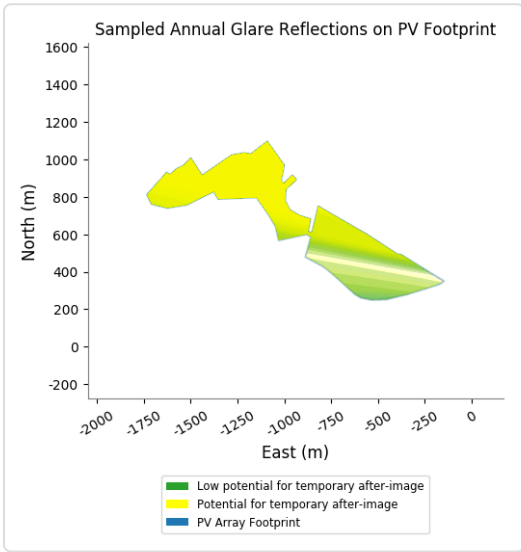
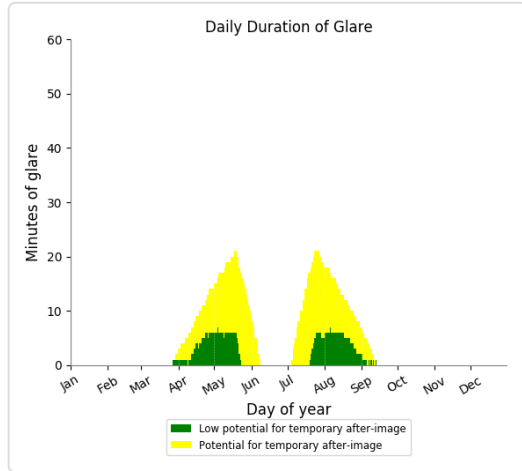
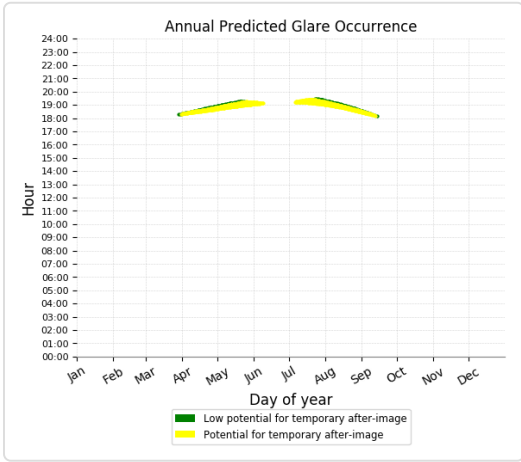
- 545 minutes of "green" glare with low potential to cause temporary after-image.
- 1,759 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 28)

PV array is expected to produce the following glare for receptors at this location:

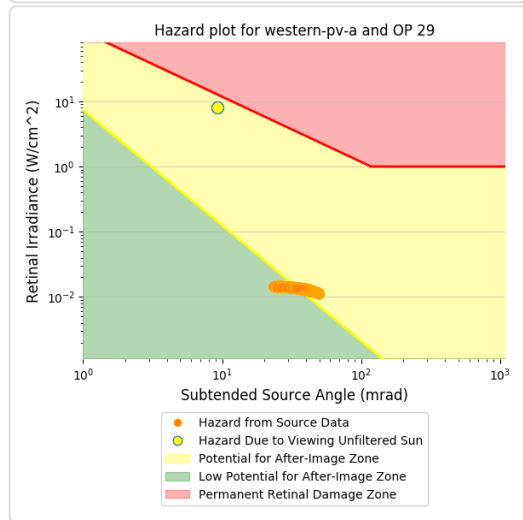
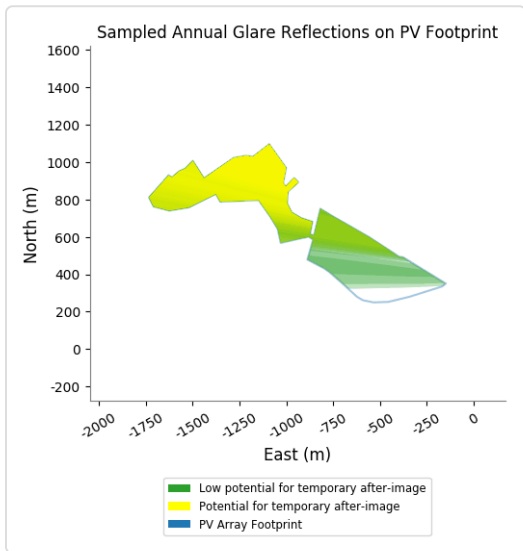
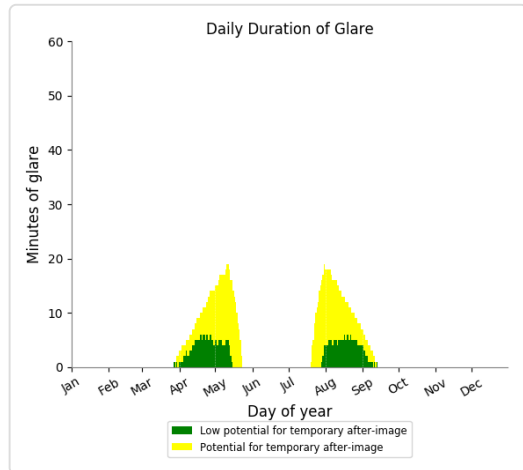
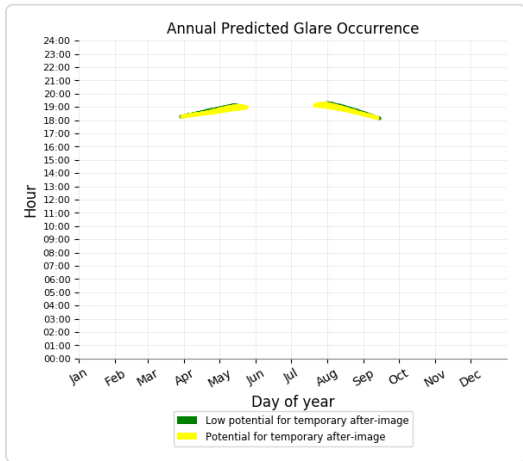
- 443 minutes of "green" glare with low potential to cause temporary after-image.
- 1,213 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 29)

PV array is expected to produce the following glare for receptors at this location:

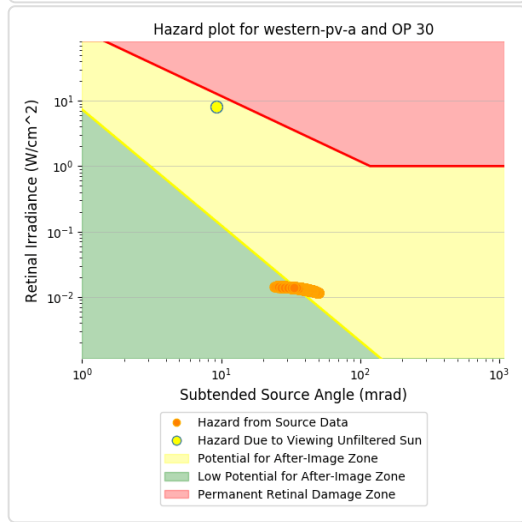
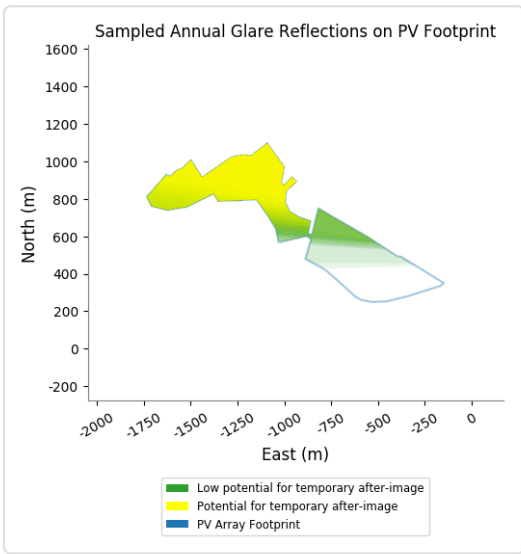
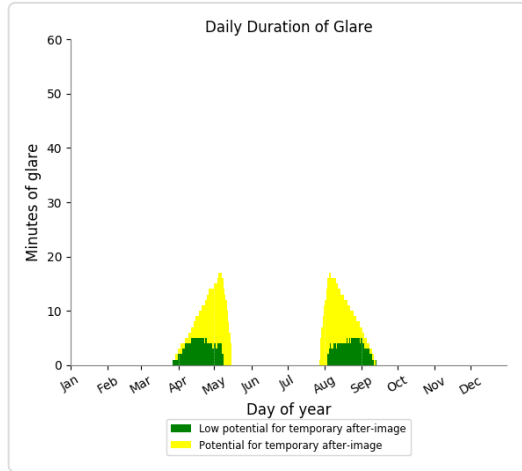
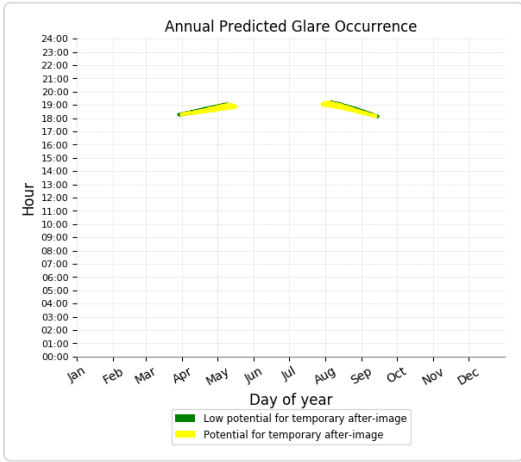
- 360 minutes of "green" glare with low potential to cause temporary after-image.
- 808 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 30)

PV array is expected to produce the following glare for receptors at this location:

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



Western PV Array - OP Receptor (OP 31)

No glare found

Western PV Array - OP Receptor (OP 32)

No glare found

Western PV Array - OP Receptor (OP 33)

No glare found

Western PV Array - OP Receptor (OP 34)

No glare found

Western PV Array - OP Receptor (OP 35)

No glare found

Western PV Array - OP Receptor (OP 36)

No glare found

Western PV Array - OP Receptor (OP 37)

No glare found

Western PV Array - OP Receptor (OP 38)

No glare found

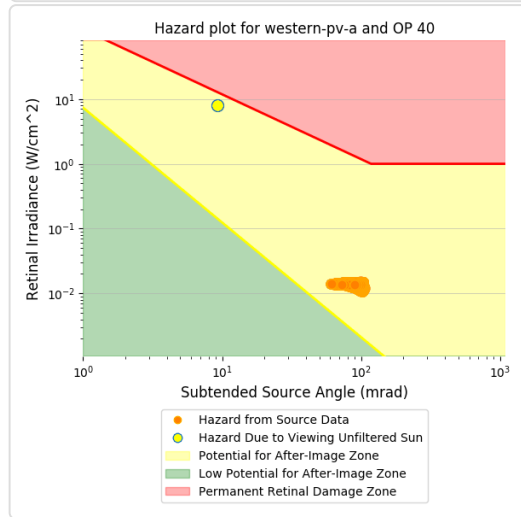
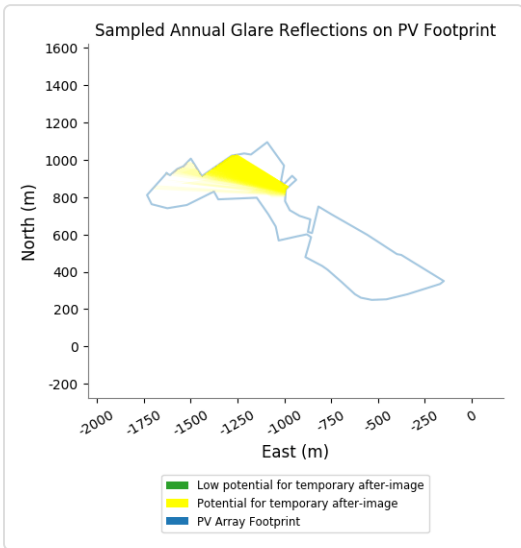
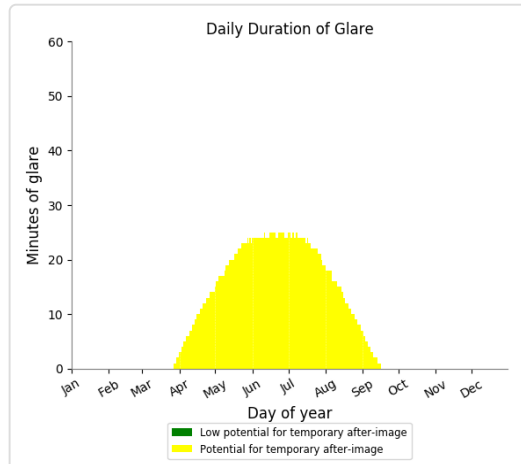
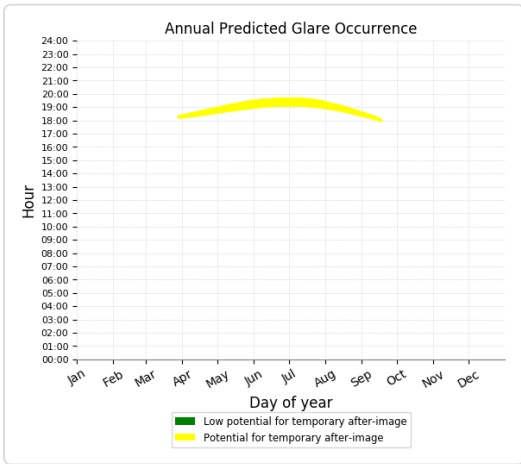
Western PV Array - OP Receptor (OP 39)

No glare found

Western PV Array - OP Receptor (OP 40)

PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,809 minutes of "yellow" glare with potential to cause temporary after-image.



Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions.
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- 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.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.



Appendix 7C: Residential Receptor Glare (40 Deg)



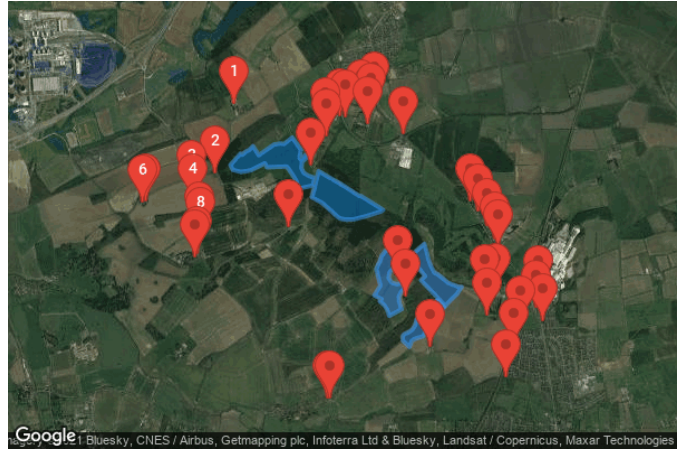


Kingston Solar Farm

Kingston Solar Farm Residential 40Deg

Created Aug. 11, 2021
 Updated Aug. 11, 2021
 Time-step 1 minute
 Timezone offset UTC0
 Site ID 57207.10138

Project type Advanced
 Project status: active
 Category 10 MW to 100 MW



Misc. Analysis Settings

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

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

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

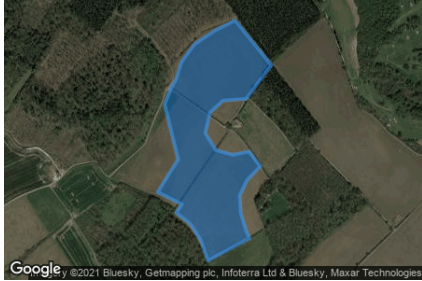
PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
Central PV Array	40.0	180.0	3,516	34,533	-
Eastern PV Array	40.0	180.0	914	32,573	-
Southern PV Array	40.0	180.0	2,570	20,568	-
Western PV Array	40.0	180.0	3,268	63,964	-

Component Data

PV Array(s)

Total PV footprint area: 652,007 m²

Name: Central PV Array
Axis tracking: Fixed (no rotation)
Tilt: 40.0 deg
Orientation: 180.0 deg
Footprint area: 132,824 m²
Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad



Vertex	Latitude deg	Longitude deg	Ground elevation m	Height above ground m	Total elevation m
1	52.848987	-1.201839	96.58	2.80	99.38
2	52.847743	-1.200166	96.44	2.80	99.24
3	52.846810	-1.201324	93.14	2.80	95.94
4	52.846758	-1.202397	91.84	2.80	94.64
5	52.846421	-1.202998	90.05	2.80	92.85
6	52.845851	-1.203213	89.14	2.80	91.94
7	52.845385	-1.202719	89.74	2.80	92.54
8	52.845255	-1.201947	90.82	2.80	93.62
9	52.845346	-1.201196	92.07	2.80	94.87
10	52.844931	-1.200681	91.18	2.80	93.98
11	52.844555	-1.201282	89.97	2.80	92.77
12	52.844127	-1.201625	88.30	2.80	91.10
13	52.843648	-1.201582	86.48	2.80	89.28
14	52.843129	-1.201324	84.47	2.80	87.27
15	52.842935	-1.201174	82.65	2.80	85.45
16	52.842313	-1.203084	80.74	2.80	83.54
17	52.842896	-1.203427	84.27	2.80	87.07
18	52.843324	-1.203878	87.66	2.80	90.46
19	52.843648	-1.204543	86.76	2.80	89.56
20	52.843881	-1.204286	86.82	2.80	89.62
21	52.844218	-1.205401	81.43	2.80	84.23
22	52.845125	-1.204457	85.10	2.80	87.90
23	52.846655	-1.205080	82.01	2.80	84.81
24	52.847056	-1.204822	85.02	2.80	87.82
25	52.847367	-1.204543	86.44	2.80	89.24
26	52.847834	-1.204307	87.45	2.80	90.25
27	52.848326	-1.203706	91.82	2.80	94.62
28	52.848702	-1.202762	92.71	2.80	95.51

Name: Eastern PV Array
Axis tracking: Fixed (no rotation)
Tilt: 40.0 deg
Orientation: 180.0 deg
Footprint area: 105,300 m²
Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad



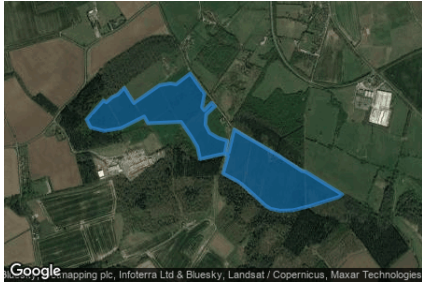
Vertex	Latitude deg	Longitude deg	Ground elevation m	Height above ground m	Total elevation m
1	52.848995	-1.197688	96.44	2.80	99.24
2	52.848360	-1.197387	95.39	2.80	98.19
3	52.847479	-1.197044	94.28	2.80	97.08
4	52.846818	-1.196615	93.25	2.80	96.05
5	52.846325	-1.196164	92.60	2.80	95.40
6	52.846196	-1.195714	92.11	2.80	94.91
7	52.845807	-1.194877	92.17	2.80	94.97
8	52.845379	-1.194061	92.96	2.80	95.76
9	52.844991	-1.192388	93.06	2.80	95.86
10	52.844991	-1.191959	93.08	2.80	95.88
11	52.844330	-1.192688	93.00	2.80	95.80
12	52.843889	-1.193461	93.10	2.80	95.90
13	52.843254	-1.194469	92.64	2.80	95.44
14	52.845613	-1.198203	94.92	2.80	97.72
15	52.846001	-1.197580	95.01	2.80	97.81
16	52.847777	-1.199941	96.64	2.80	99.44

Name: Southern PV Array
Axis tracking: Fixed (no rotation)
Tilt: 40.0 deg
Orientation: 180.0 deg
Footprint area: 63,120 m²
Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad



Vertex	Latitude deg	Longitude deg	Ground elevation m	Height above ground m	Total elevation m
1	52.843772	-1.195693	91.46	2.80	94.26
2	52.843111	-1.194663	93.99	2.80	96.79
3	52.842683	-1.195564	92.28	2.80	95.08
4	52.842152	-1.196315	91.71	2.80	94.51
5	52.841426	-1.196980	91.38	2.80	94.18
6	52.840713	-1.197624	90.47	2.80	93.27
7	52.840441	-1.197838	90.31	2.80	93.11
8	52.840182	-1.199212	88.30	2.80	91.10
9	52.840013	-1.199641	87.99	2.80	90.79
10	52.839741	-1.199791	87.54	2.80	90.34
11	52.839443	-1.199984	88.09	2.80	90.89
12	52.840052	-1.201014	83.30	2.80	86.10
13	52.840480	-1.200993	78.20	2.80	81.00
14	52.840648	-1.200735	79.17	2.80	81.97
15	52.840804	-1.200134	82.43	2.80	85.23
16	52.841024	-1.199576	84.40	2.80	87.20
17	52.841452	-1.199104	85.12	2.80	87.92
18	52.841996	-1.198890	83.52	2.80	86.32
19	52.842359	-1.198418	85.08	2.80	87.88
20	52.842657	-1.197881	87.03	2.80	89.83

Name: Western PV Array
Axis tracking: Fixed (no rotation)
Tilt: 40.0 deg
Orientation: 180.0 deg
Footprint area: 350,763 m²
Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	52.857326	-1.226006	85.78	2.80	88.58
2	52.856276	-1.227551	83.98	2.80	86.78
3	52.855836	-1.227186	83.12	2.80	85.92
4	52.855641	-1.225941	78.84	2.80	81.64
5	52.855797	-1.224396	78.16	2.80	80.96
6	52.856445	-1.222251	83.48	2.80	86.28
7	52.856069	-1.221907	79.29	2.80	82.09
8	52.856147	-1.218860	82.71	2.80	85.51
9	52.855343	-1.217938	79.35	2.80	82.15
10	52.854760	-1.217358	81.43	2.80	84.23
11	52.854086	-1.217122	83.25	2.80	86.05
12	52.854281	-1.215706	85.51	2.80	88.31
13	52.854384	-1.214891	86.05	2.80	88.85
14	52.854247	-1.214556	86.06	2.80	88.86
15	52.853288	-1.215007	86.17	2.80	88.97
16	52.852861	-1.213676	85.74	2.80	88.54
17	52.852679	-1.213247	86.03	2.80	88.83
18	52.852096	-1.212153	85.92	2.80	88.72
19	52.851500	-1.211080	86.35	2.80	89.15
20	52.851332	-1.210608	86.08	2.80	88.88
21	52.851228	-1.209750	86.36	2.80	89.16
22	52.851254	-1.208591	87.09	2.80	89.89
23	52.851500	-1.206917	88.98	2.80	91.78
24	52.851993	-1.204342	93.00	2.80	95.80
25	52.852135	-1.204042	94.13	2.80	96.93
26	52.853392	-1.207411	90.98	2.80	93.78
27	52.853431	-1.207754	90.78	2.80	93.58
28	52.854364	-1.210114	89.71	2.80	92.51
29	52.855349	-1.212947	88.27	2.80	91.07
30	52.855723	-1.213975	88.26	2.80	91.06
31	52.854443	-1.214484	85.99	2.80	88.79
32	52.854502	-1.214806	85.93	2.80	88.73
33	52.855104	-1.214613	86.27	2.80	89.07
34	52.855273	-1.215471	85.97	2.80	88.77
35	52.855545	-1.216244	86.11	2.80	88.91
36	52.855985	-1.216619	86.33	2.80	89.13
37	52.856554	-1.216551	86.52	2.80	89.32
38	52.857007	-1.215735	84.90	2.80	87.70
39	52.857201	-1.216057	84.81	2.80	87.61
40	52.856787	-1.216723	86.58	2.80	89.38
41	52.856955	-1.216937	86.63	2.80	89.43
42	52.857694	-1.216701	81.71	2.80	84.51
43	52.858821	-1.218031	78.47	2.80	81.27
44	52.858225	-1.219319	86.14	2.80	88.94
45	52.858277	-1.219855	85.88	2.80	88.68
46	52.858173	-1.220842	86.53	2.80	89.33
47	52.857188	-1.223202	86.58	2.80	89.38
48	52.858031	-1.224082	87.46	2.80	90.26
49	52.857661	-1.224672	87.59	2.80	90.39
50	52.857532	-1.225155	86.72	2.80	89.52
51	52.857234	-1.225734	86.78	2.80	89.58

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	m	m	m
OP 1	52.861842	-1.226948	52.35	2.00	54.35
OP 2	52.855494	-1.229888	56.99	2.00	58.99
OP 3	52.854128	-1.233417	47.15	2.00	49.15
OP 4	52.852810	-1.233293	42.60	2.00	44.60
OP 5	52.852901	-1.240501	38.33	2.00	40.33
OP 6	52.852798	-1.241056	38.13	2.00	40.13
OP 7	52.850234	-1.232249	42.57	2.00	44.57
OP 8	52.849768	-1.232158	41.82	2.00	43.82
OP 9	52.848001	-1.232662	39.12	2.00	41.12
OP 10	52.847677	-1.232973	39.82	2.00	41.82
OP 11	52.850524	-1.218566	58.34	2.00	60.34
OP 12	52.846184	-1.201696	92.88	2.00	94.88
OP 13	52.844024	-1.200476	88.42	2.00	90.42
OP 14	52.834609	-1.212160	44.28	2.00	46.28
OP 15	52.834657	-1.212472	45.32	2.00	47.32
OP 16	52.839349	-1.196708	89.72	2.00	91.72
OP 17	52.836630	-1.185041	49.35	2.00	51.35
OP 18	52.839451	-1.183892	55.34	2.00	57.34
OP 19	52.841548	-1.182797	59.04	2.00	61.04
OP 20	52.841801	-1.179396	55.10	2.00	57.10
OP 21	52.843058	-1.180393	57.49	2.00	59.49
OP 22	52.844395	-1.180086	53.79	2.00	55.79
OP 23	52.842321	-1.187909	70.75	2.00	72.75
OP 24	52.844483	-1.188334	80.98	2.00	82.98
OP 25	52.844584	-1.186526	80.46	2.00	82.46
OP 26	52.848613	-1.186219	47.57	2.00	49.57
OP 27	52.849332	-1.186862	45.69	2.00	47.69
OP 28	52.850558	-1.187992	41.47	2.00	43.47
OP 29	52.851886	-1.189274	43.30	2.00	45.30
OP 30	52.852878	-1.190556	46.71	2.00	48.71
OP 31	52.859038	-1.200833	36.19	2.00	38.19
OP 32	52.862284	-1.205342	36.60	2.00	38.60
OP 33	52.861518	-1.207455	37.36	2.00	39.36
OP 34	52.861243	-1.205760	37.54	2.00	39.54
OP 35	52.859996	-1.206372	38.90	2.00	40.90
OP 36	52.860657	-1.209822	41.16	2.00	43.16
OP 37	52.860759	-1.210629	40.87	2.00	42.87
OP 38	52.859940	-1.212840	42.86	2.00	44.86
OP 39	52.858898	-1.212712	54.16	2.00	56.16
OP 40	52.856166	-1.215029	88.10	2.00	90.10

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
Central PV Array	40.0	180.0	3,516	34,533	-	-
Eastern PV Array	40.0	180.0	914	32,573	-	-
Southern PV Array	40.0	180.0	2,570	20,568	-	-
Western PV Array	40.0	180.0	3,268	63,964	-	-

Distinct glare per month

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

PV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
central-pv-a (green)	0	0	25	77	0	0	0	4	93	0	0	0
central-pv-a (yellow)	0	0	61	713	856	831	849	832	258	0	0	0
eastern-pv-a (green)	0	0	0	0	0	0	0	0	0	0	0	0
eastern-pv-a (yellow)	0	0	60	1270	1684	1707	1725	1575	365	0	0	0
southern-pv (green)	0	0	8	1	23	142	72	0	8	0	0	0
southern-pv (yellow)	0	0	177	1164	1345	1231	1310	1358	486	0	0	0
western-pv-a (green)	0	0	7	1	0	0	0	0	7	0	0	0
western-pv-a (yellow)	0	0	58	1406	2382	2411	2479	1928	363	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

Central PV Array potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	90	0
OP: OP 10	69	0
OP: OP 11	0	0
OP: OP 12	0	1224
OP: OP 13	0	4217
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	112	639
OP: OP 18	208	3203
OP: OP 19	510	3795
OP: OP 20	1190	3159

OP: OP 21	785	3601
OP: OP 22	328	2538
OP: OP 23	44	4138
OP: OP 24	41	3957
OP: OP 25	79	3889
OP: OP 26	60	173
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Central PV Array - OP Receptor (OP 1)

No glare found

Central PV Array - OP Receptor (OP 2)

No glare found

Central PV Array - OP Receptor (OP 3)

No glare found

Central PV Array - OP Receptor (OP 4)

No glare found

Central PV Array - OP Receptor (OP 5)

No glare found

Central PV Array - OP Receptor (OP 6)

No glare found

Central PV Array - OP Receptor (OP 7)

No glare found

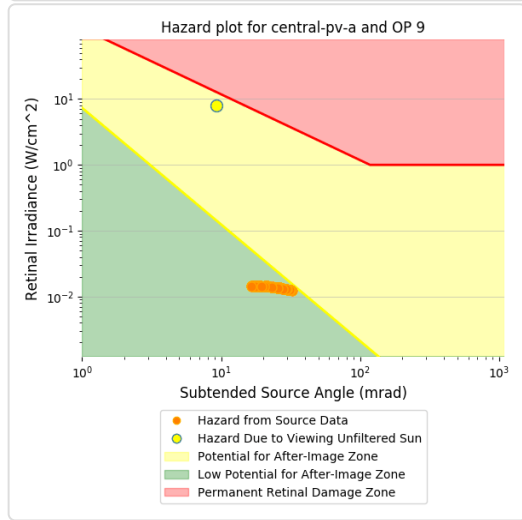
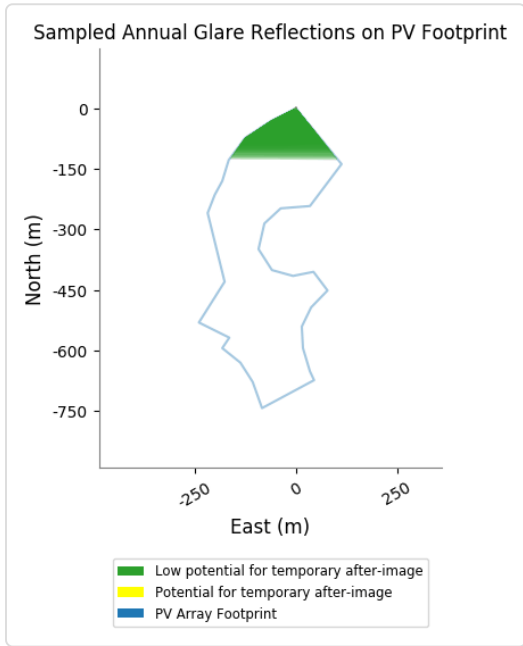
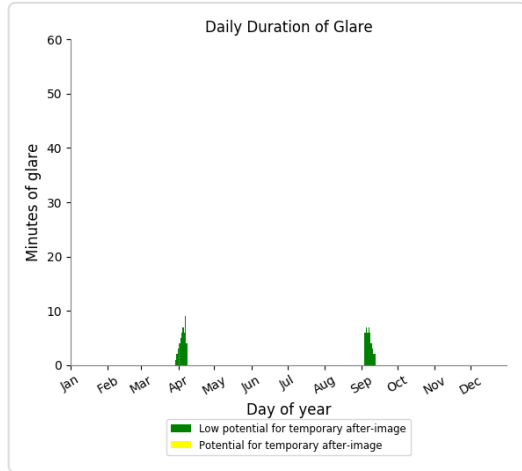
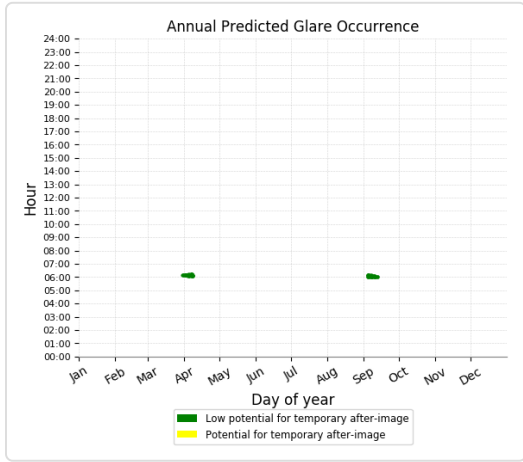
Central PV Array - OP Receptor (OP 8)

No glare found

Central PV Array - OP Receptor (OP 9)

PV array is expected to produce the following glare for receptors at this location:

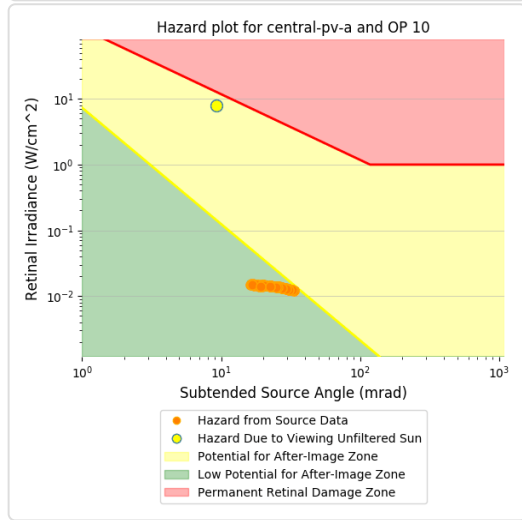
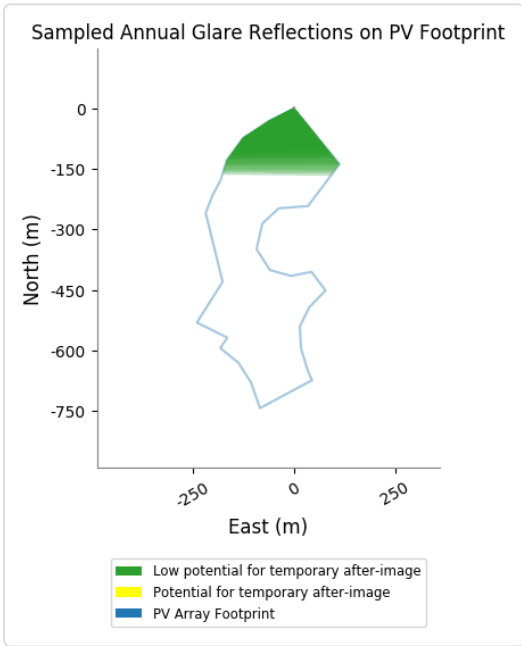
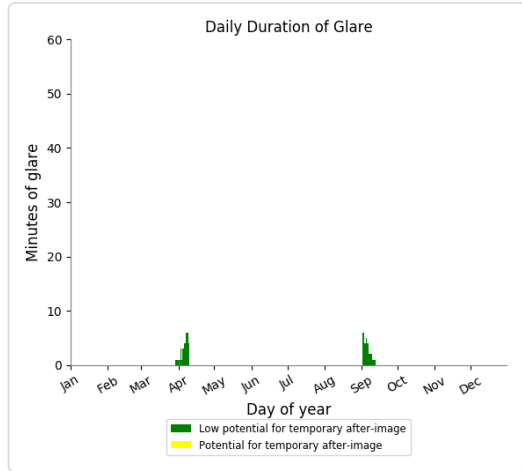
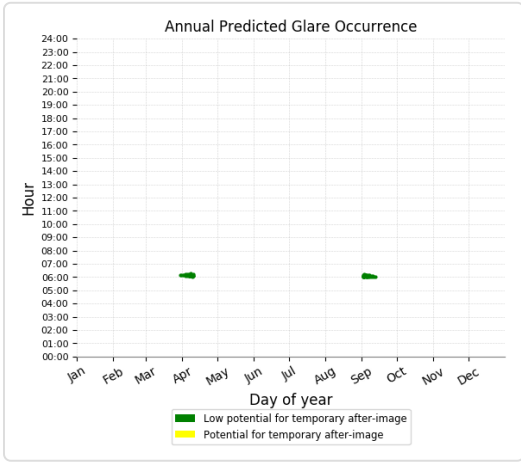
- 90 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 10)

PV array is expected to produce the following glare for receptors at this location:

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



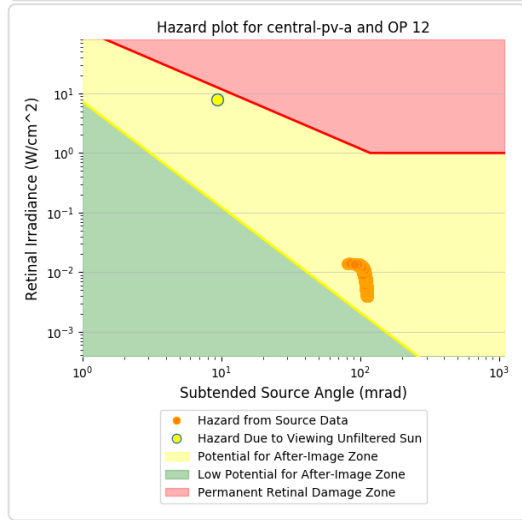
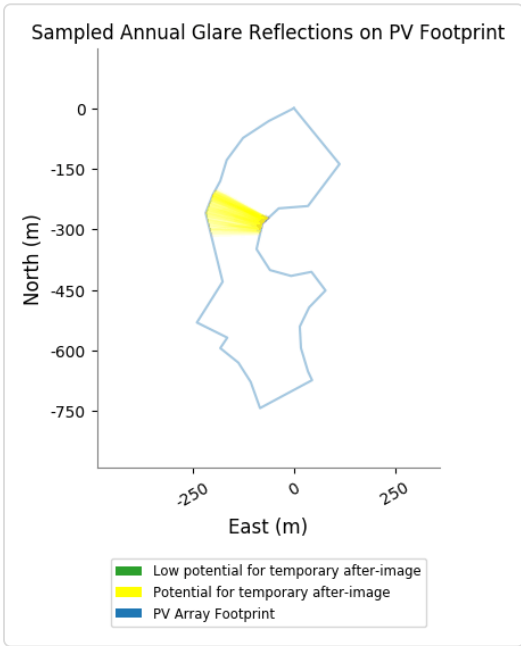
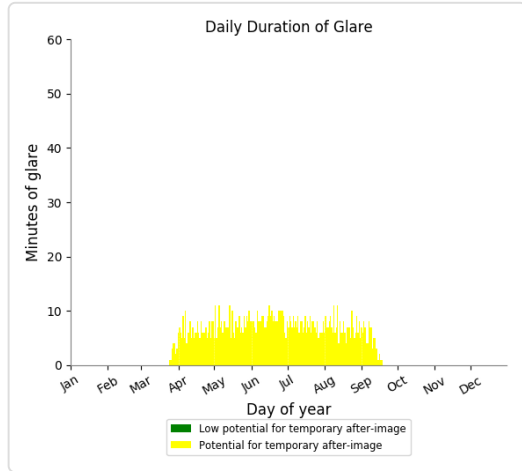
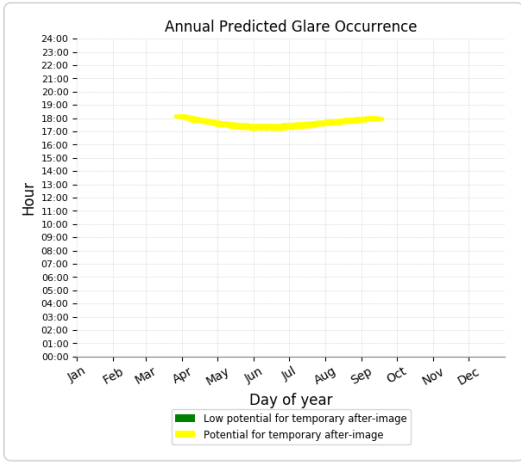
Central PV Array - OP Receptor (OP 11)

No glare found

Central PV Array - OP Receptor (OP 12)

PV array is expected to produce the following glare for receptors at this location:

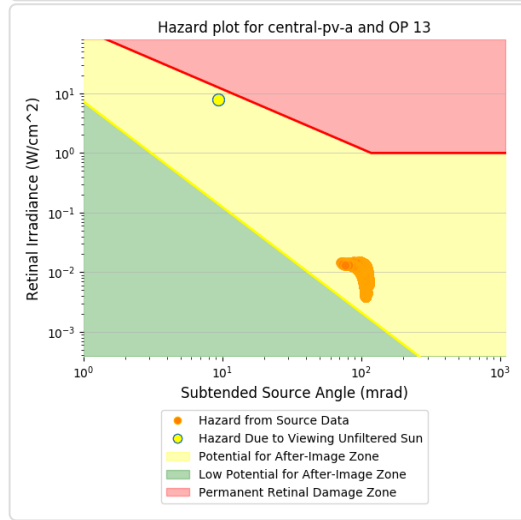
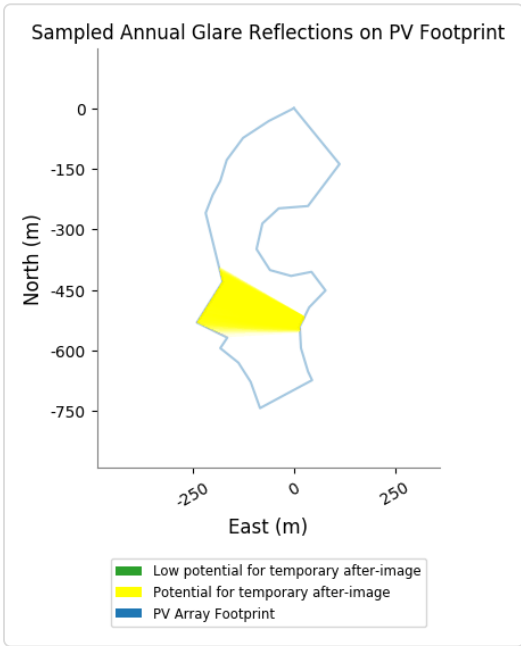
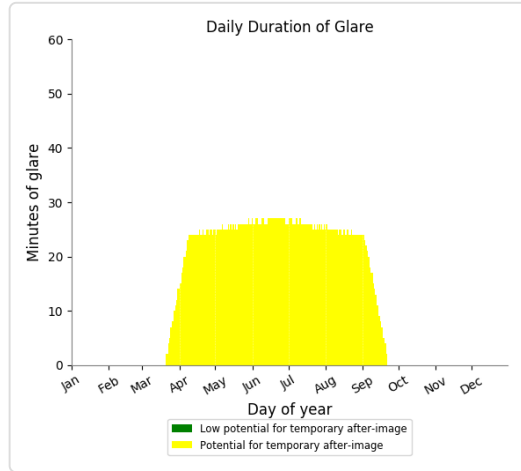
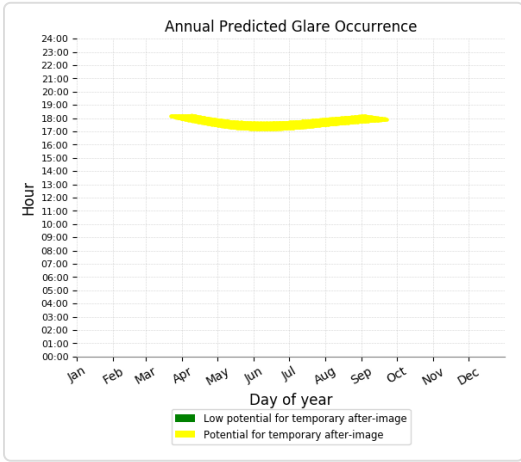
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,224 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 13)

PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 4,217 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 14)

No glare found

Central PV Array - OP Receptor (OP 15)

No glare found

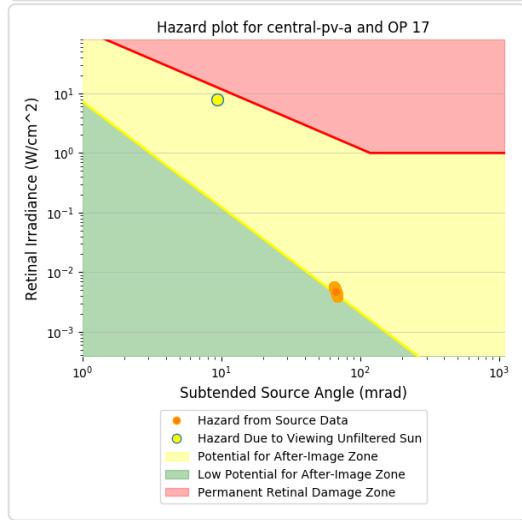
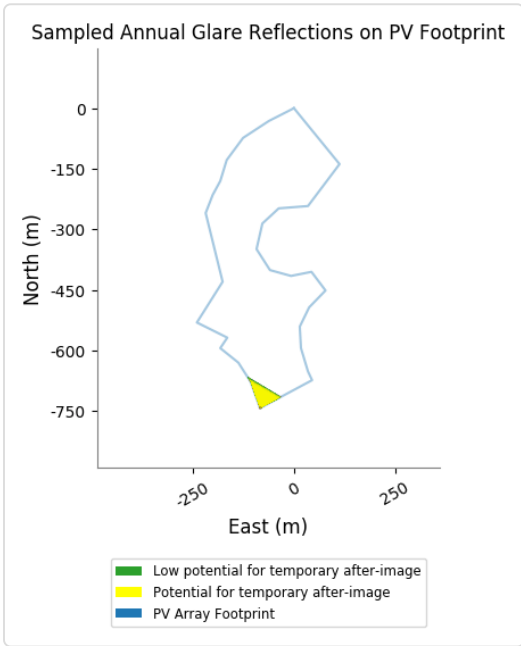
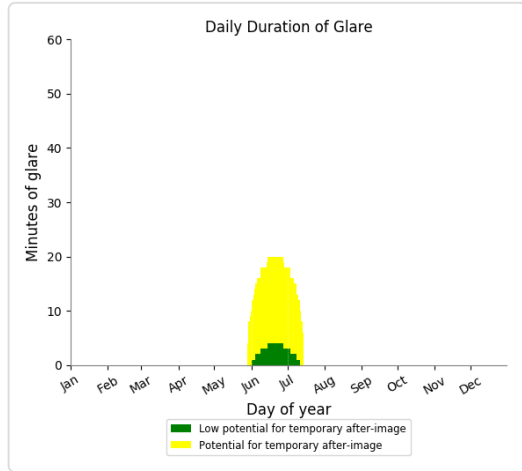
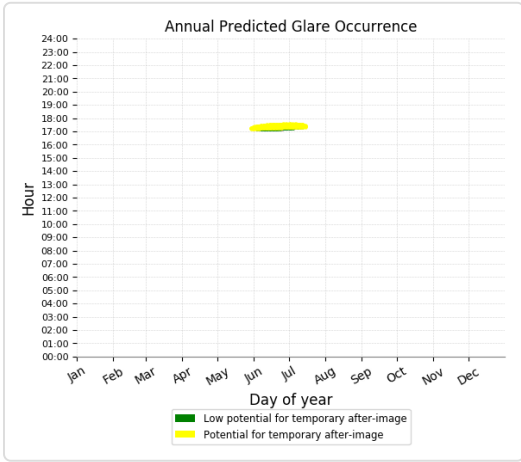
Central PV Array - OP Receptor (OP 16)

No glare found

Central PV Array - OP Receptor (OP 17)

PV array is expected to produce the following glare for receptors at this location:

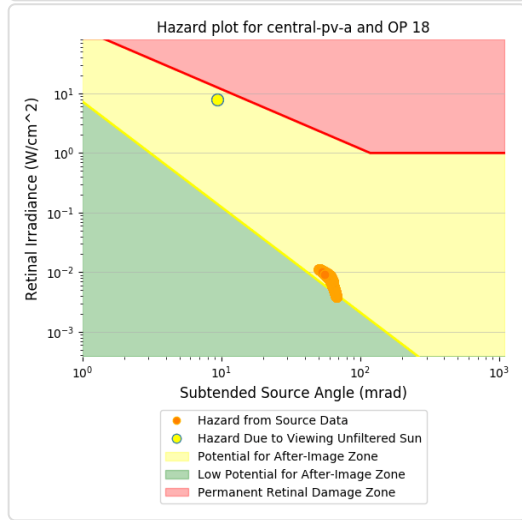
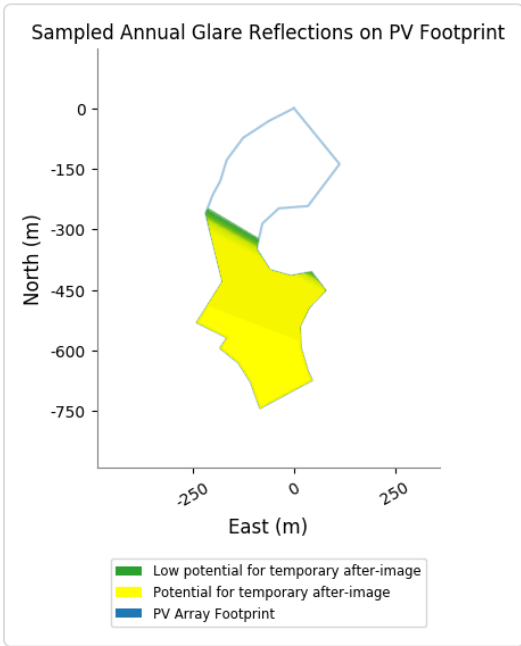
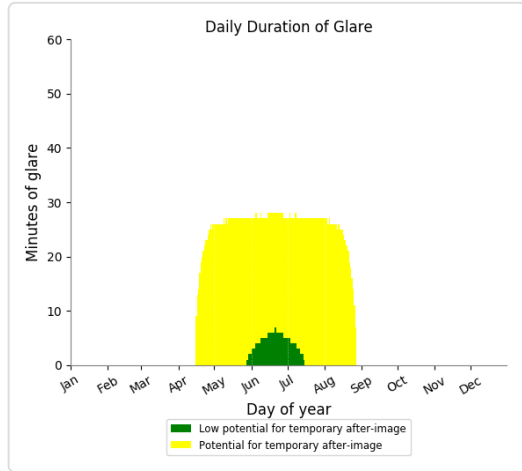
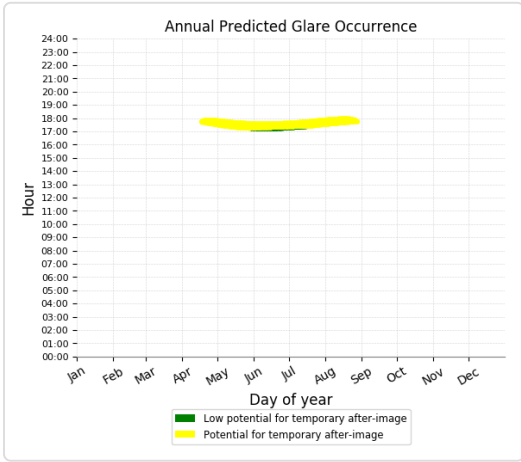
- 112 minutes of "green" glare with low potential to cause temporary after-image.
- 639 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 18)

PV array is expected to produce the following glare for receptors at this location:

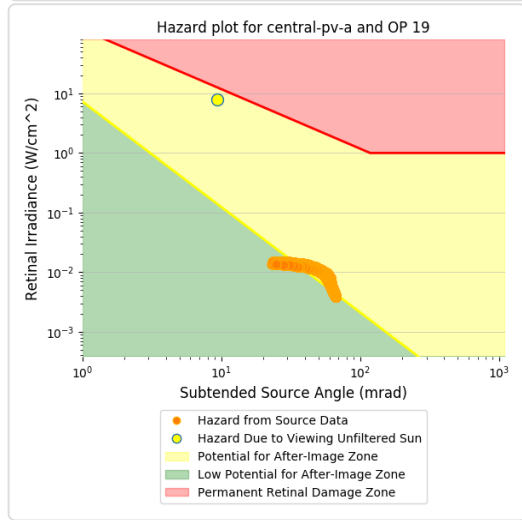
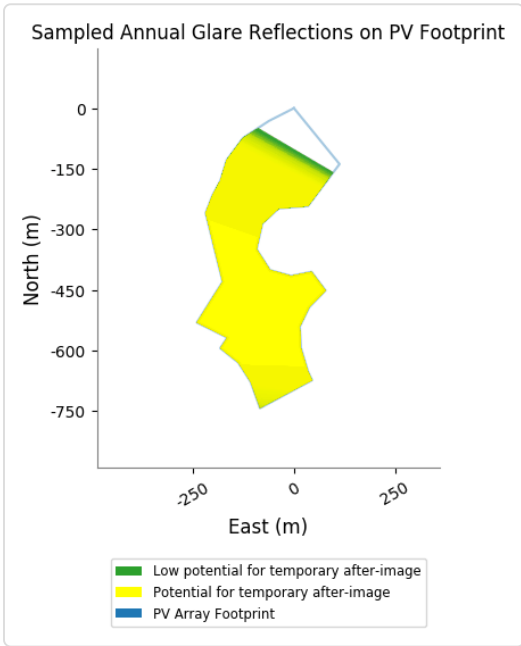
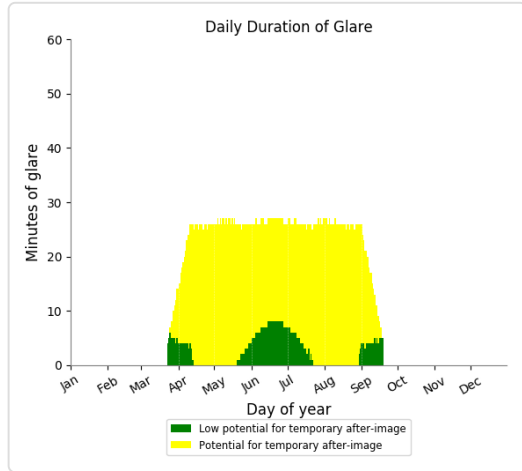
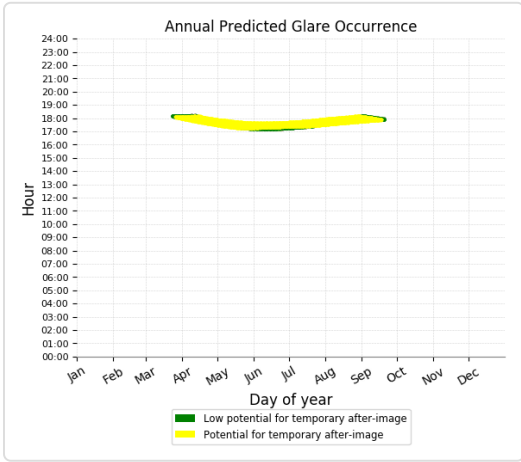
- 208 minutes of "green" glare with low potential to cause temporary after-image.
- 3,203 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 19)

PV array is expected to produce the following glare for receptors at this location:

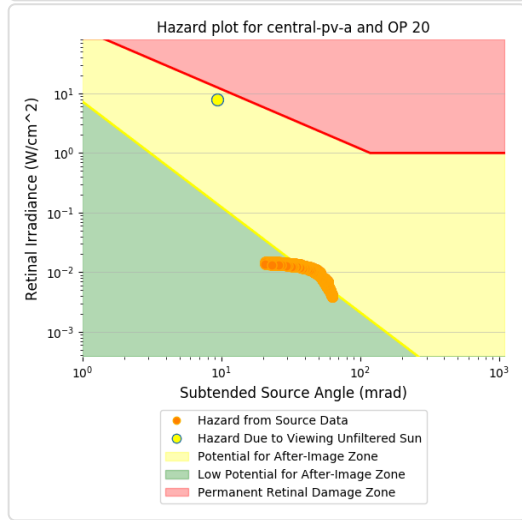
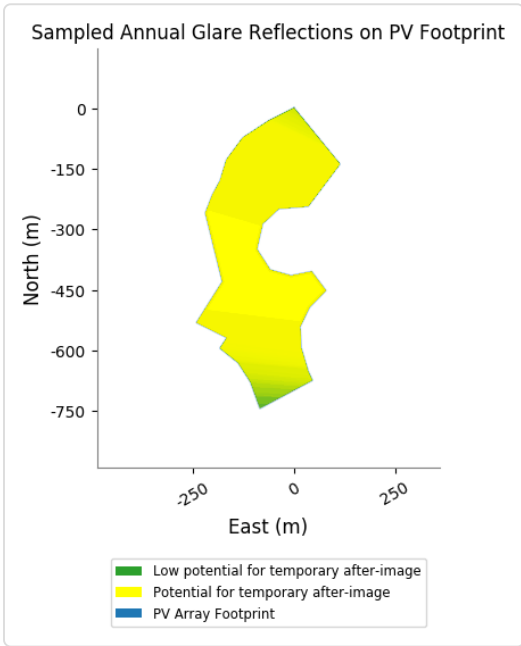
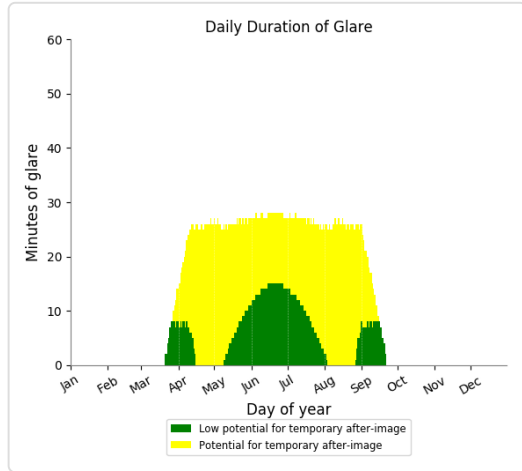
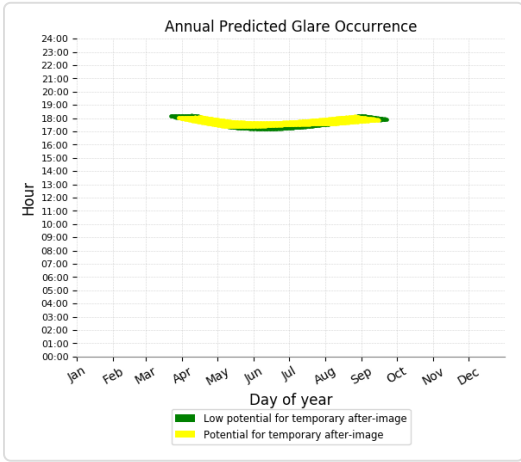
- 510 minutes of "green" glare with low potential to cause temporary after-image.
- 3,795 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 20)

PV array is expected to produce the following glare for receptors at this location:

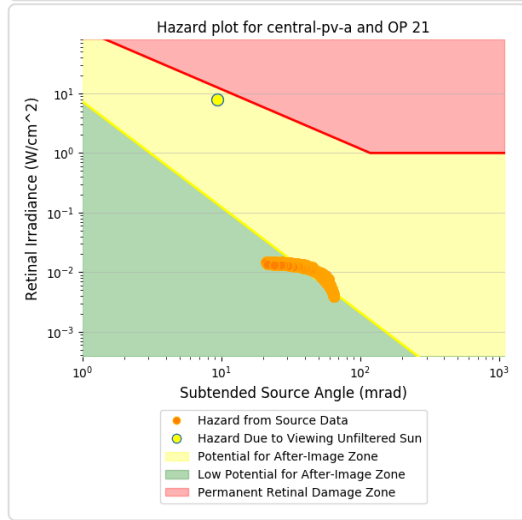
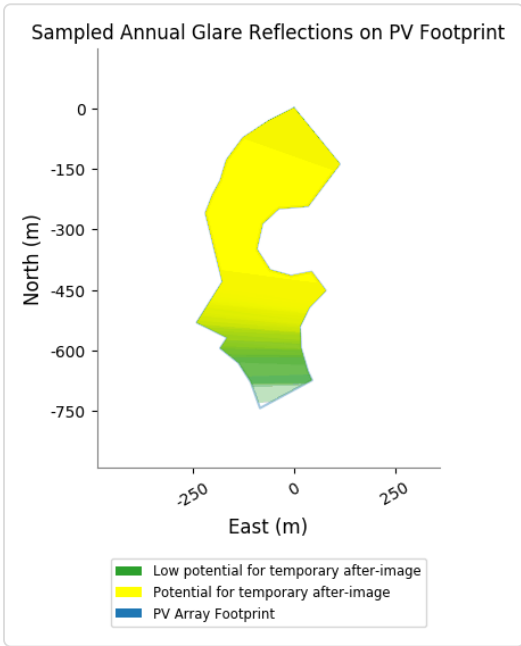
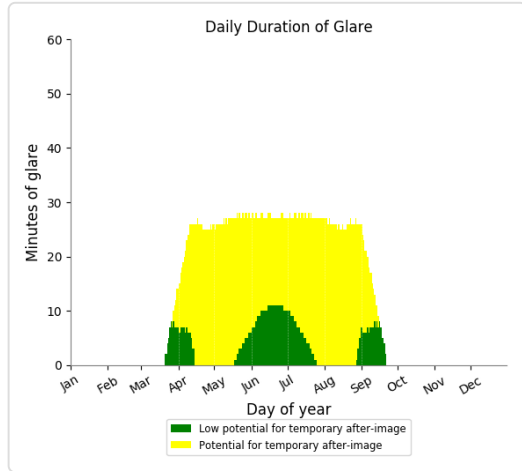
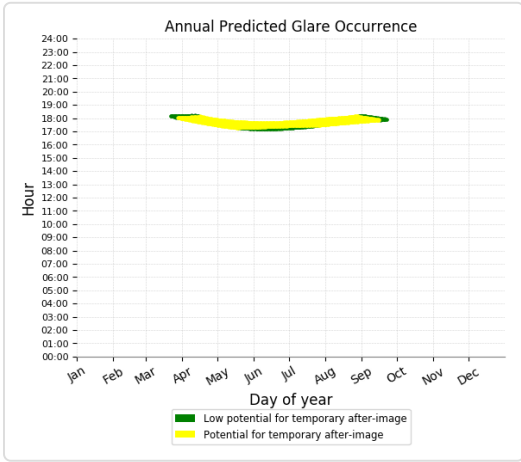
- 1,190 minutes of "green" glare with low potential to cause temporary after-image.
- 3,159 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 21)

PV array is expected to produce the following glare for receptors at this location:

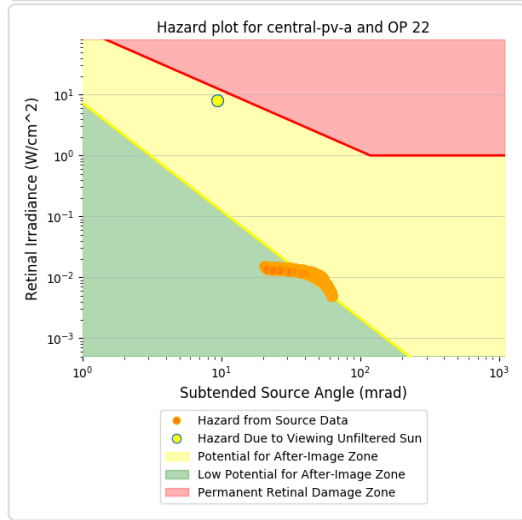
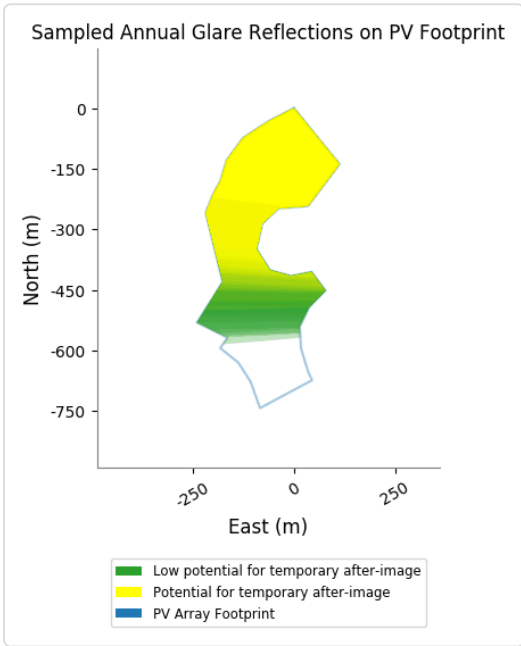
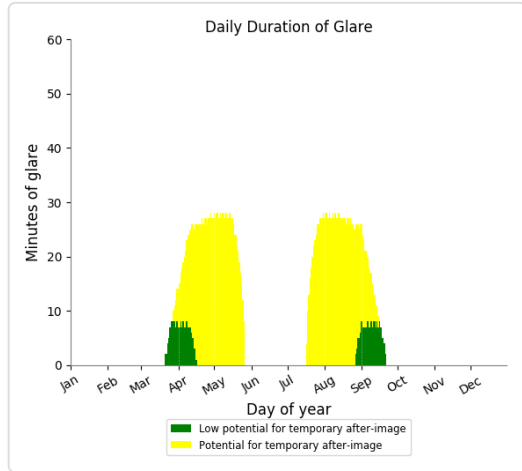
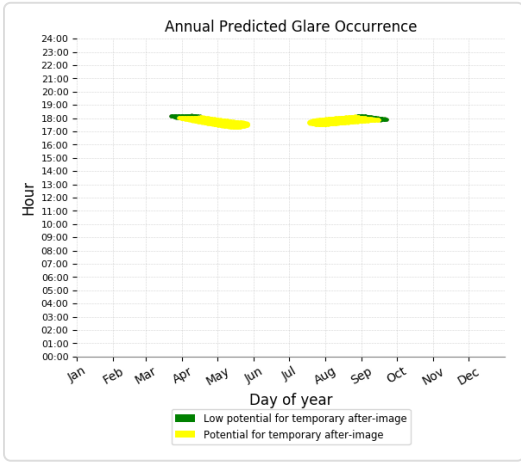
- 785 minutes of "green" glare with low potential to cause temporary after-image.
- 3,601 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 22)

PV array is expected to produce the following glare for receptors at this location:

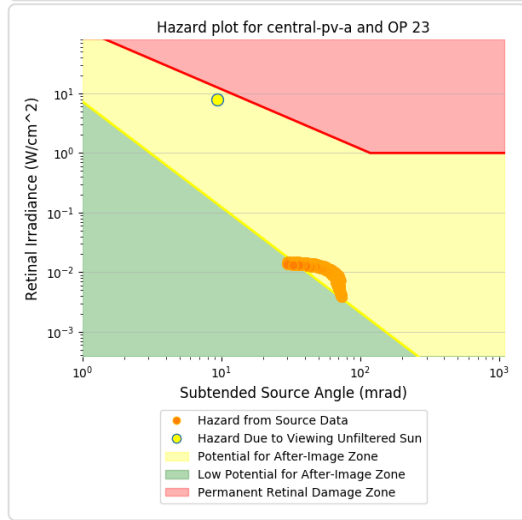
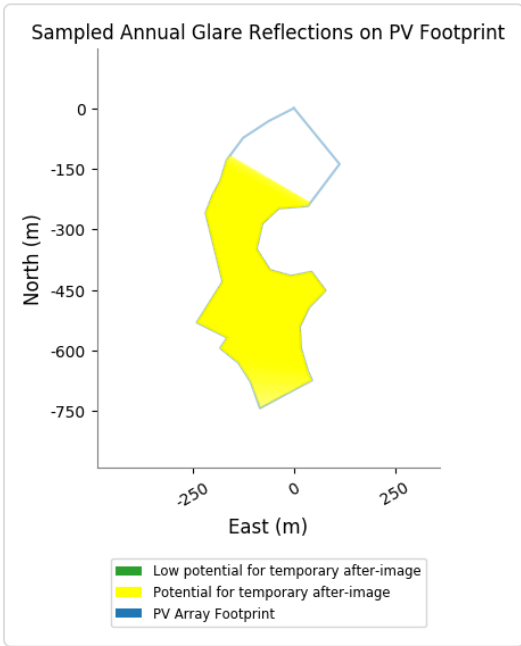
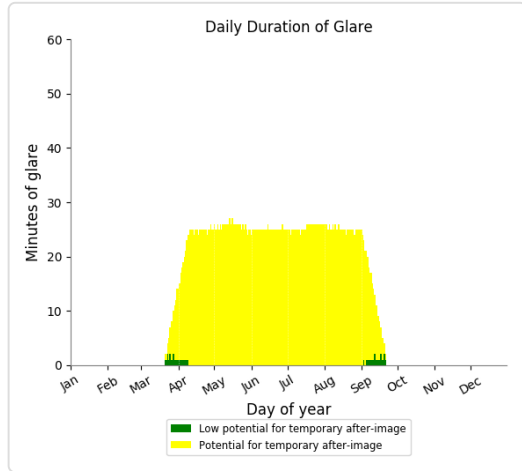
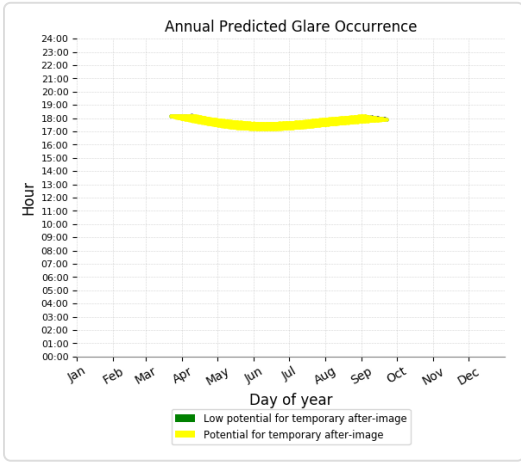
- 328 minutes of "green" glare with low potential to cause temporary after-image.
- 2,538 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 23)

PV array is expected to produce the following glare for receptors at this location:

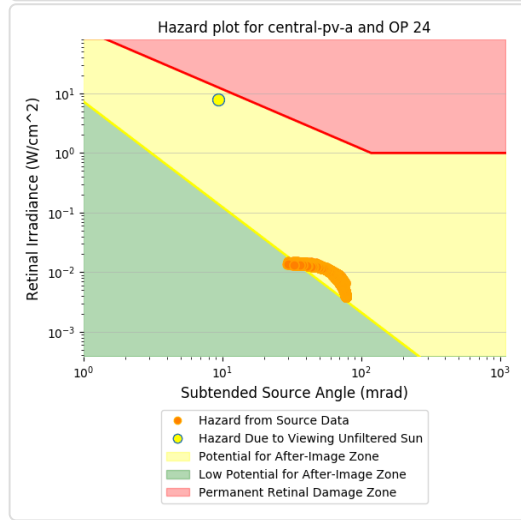
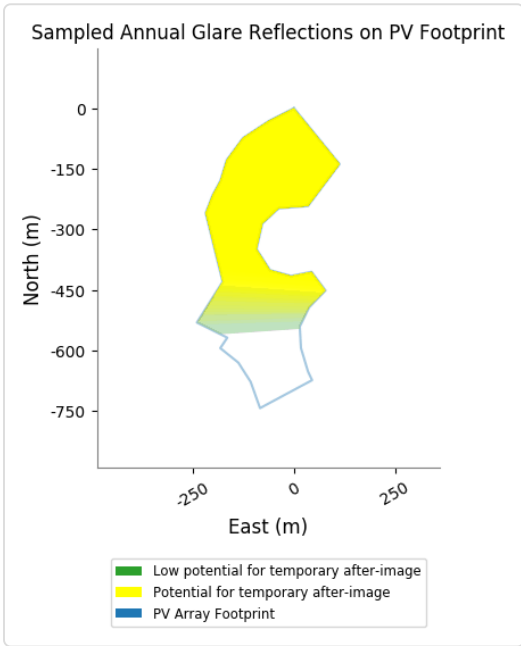
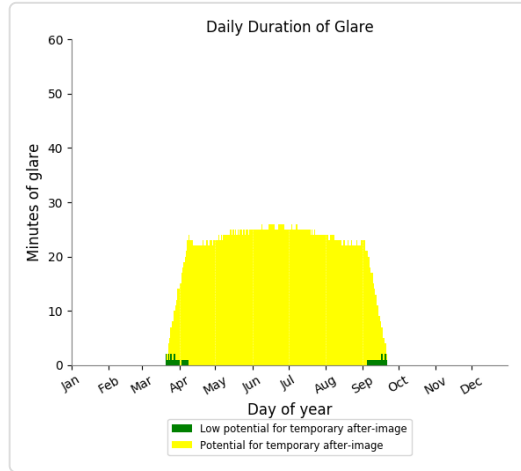
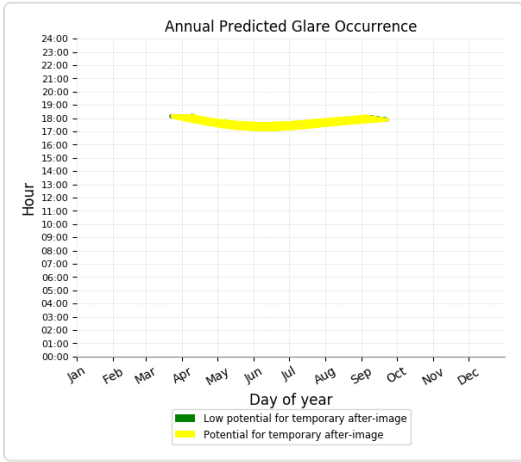
- 44 minutes of "green" glare with low potential to cause temporary after-image.
- 4,138 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 24)

PV array is expected to produce the following glare for receptors at this location:

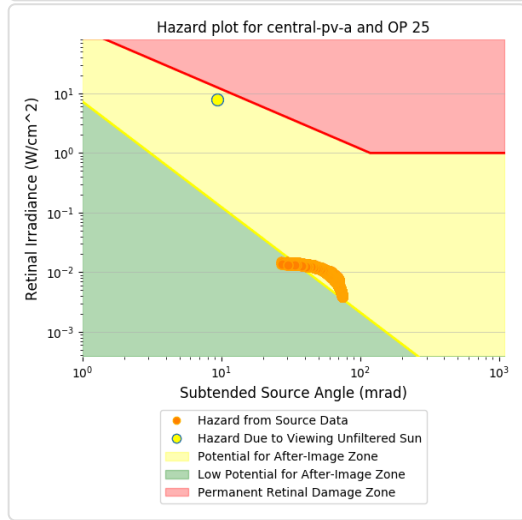
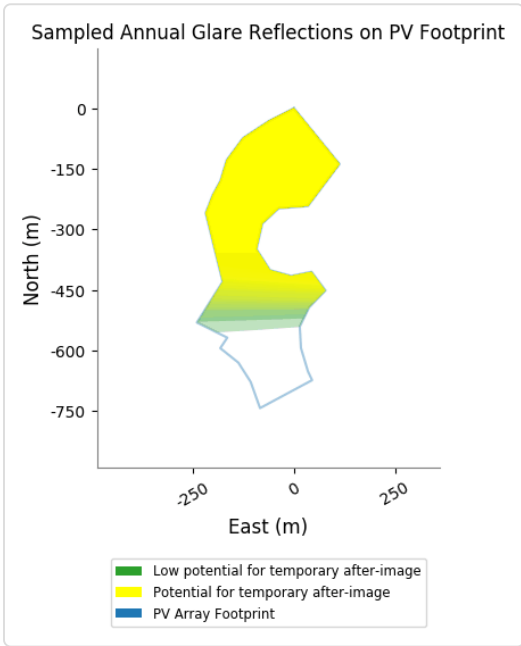
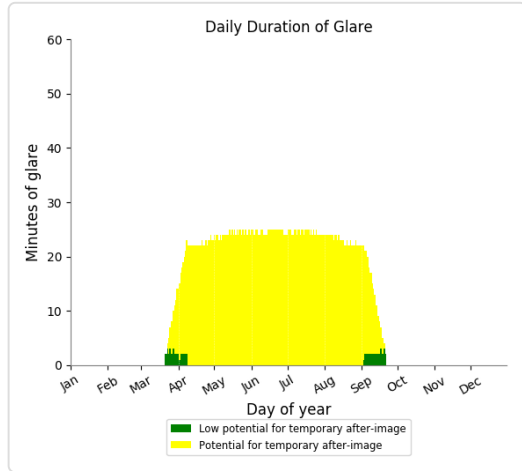
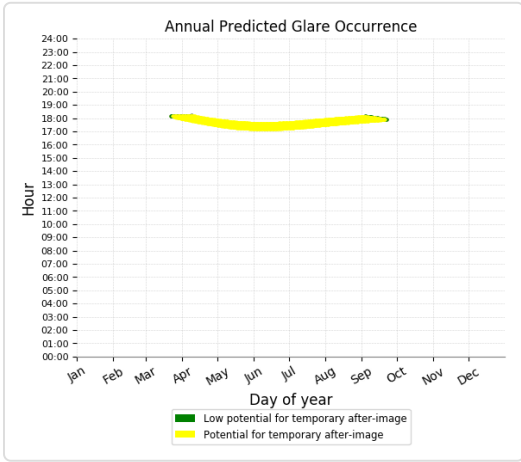
- 41 minutes of "green" glare with low potential to cause temporary after-image.
- 3,957 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 25)

PV array is expected to produce the following glare for receptors at this location:

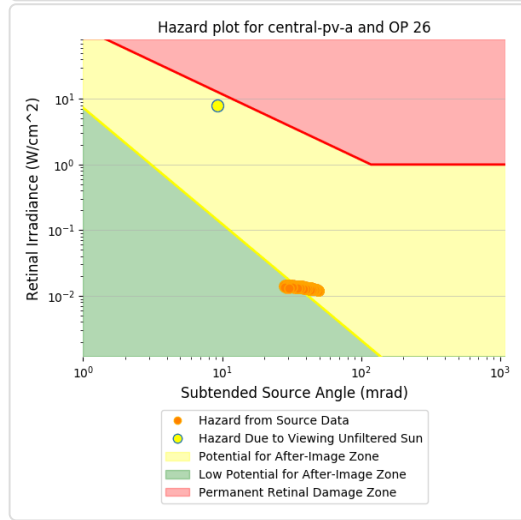
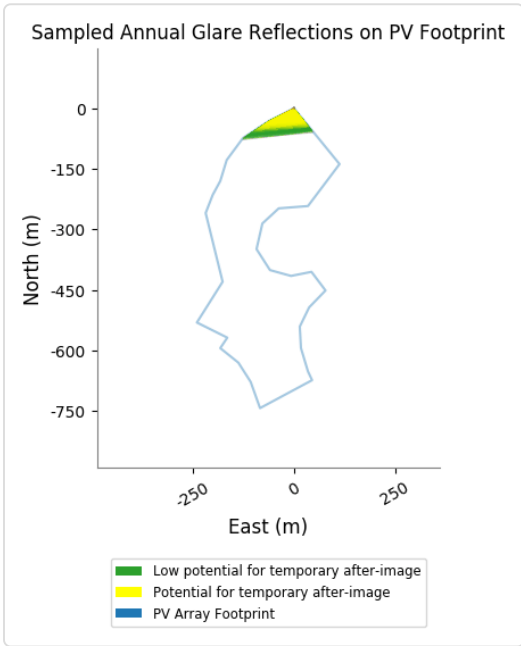
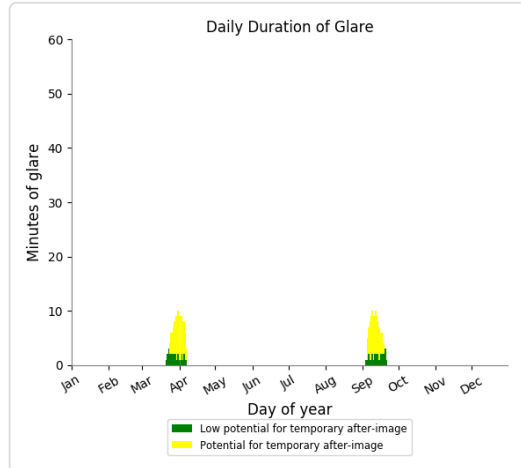
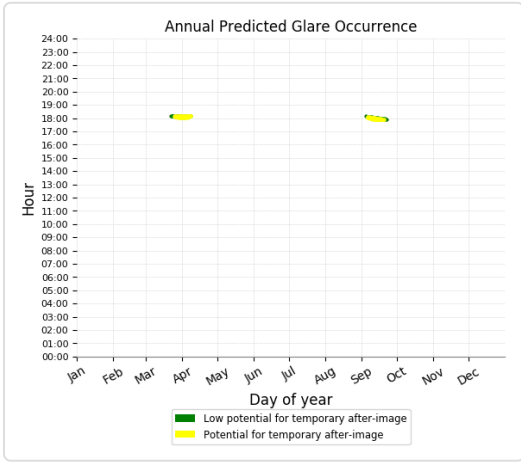
- 79 minutes of "green" glare with low potential to cause temporary after-image.
- 3,889 minutes of "yellow" glare with potential to cause temporary after-image.



Central PV Array - OP Receptor (OP 26)

PV array is expected to produce the following glare for receptors at this location:

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



Central PV Array - OP Receptor (OP 27)

No glare found

Central PV Array - OP Receptor (OP 28)

No glare found

Central PV Array - OP Receptor (OP 29)

No glare found

Central PV Array - OP Receptor (OP 30)

No glare found

Central PV Array - OP Receptor (OP 31)

No glare found

Central PV Array - OP Receptor (OP 32)

No glare found

Central PV Array - OP Receptor (OP 33)

No glare found

Central PV Array - OP Receptor (OP 34)

No glare found

Central PV Array - OP Receptor (OP 35)

No glare found

Central PV Array - OP Receptor (OP 36)

No glare found

Central PV Array - OP Receptor (OP 37)

No glare found

Central PV Array - OP Receptor (OP 38)

No glare found

Central PV Array - OP Receptor (OP 39)

No glare found

Central PV Array - OP Receptor (OP 40)

No glare found

Eastern PV Array potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	1	0
OP: OP 9	228	0
OP: OP 10	298	0
OP: OP 11	0	0
OP: OP 12	0	3562
OP: OP 13	0	3951
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	3382
OP: OP 20	134	3602
OP: OP 21	123	3645
OP: OP 22	121	3589
OP: OP 23	0	3726
OP: OP 24	0	3691
OP: OP 25	0	3241
OP: OP 26	9	184
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0

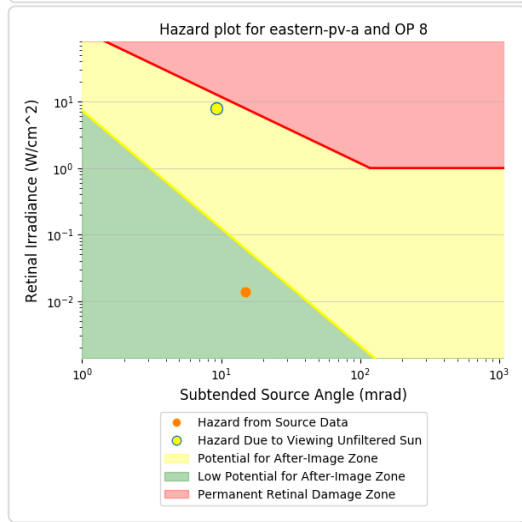
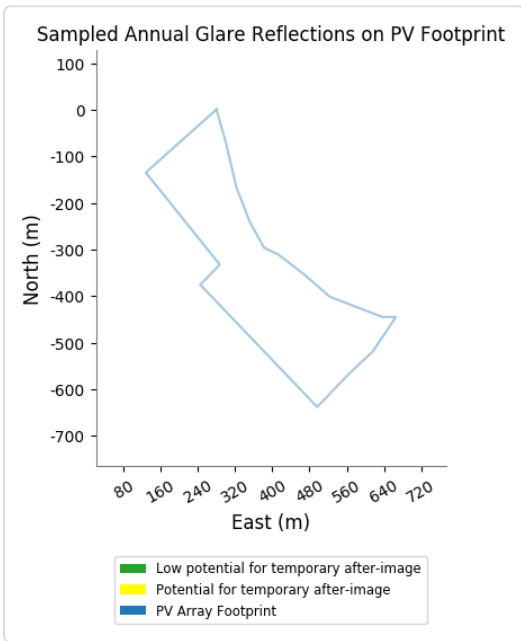
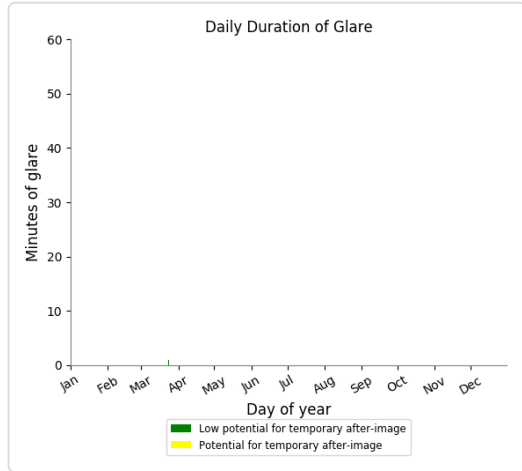
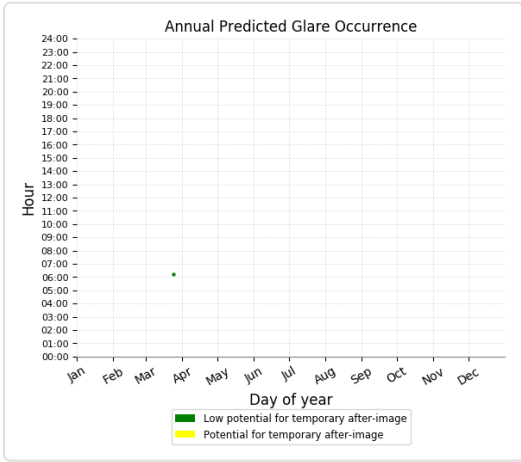
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Eastern PV Array - OP Receptor (OP 1)*No glare found***Eastern PV Array - OP Receptor (OP 2)***No glare found***Eastern PV Array - OP Receptor (OP 3)***No glare found***Eastern PV Array - OP Receptor (OP 4)***No glare found***Eastern PV Array - OP Receptor (OP 5)***No glare found***Eastern PV Array - OP Receptor (OP 6)***No glare found***Eastern PV Array - OP Receptor (OP 7)***No glare found*

Eastern PV Array - OP Receptor (OP 8)

PV array is expected to produce the following glare for receptors at this location:

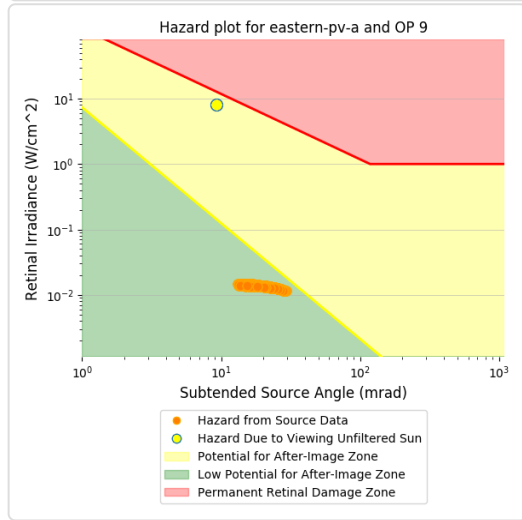
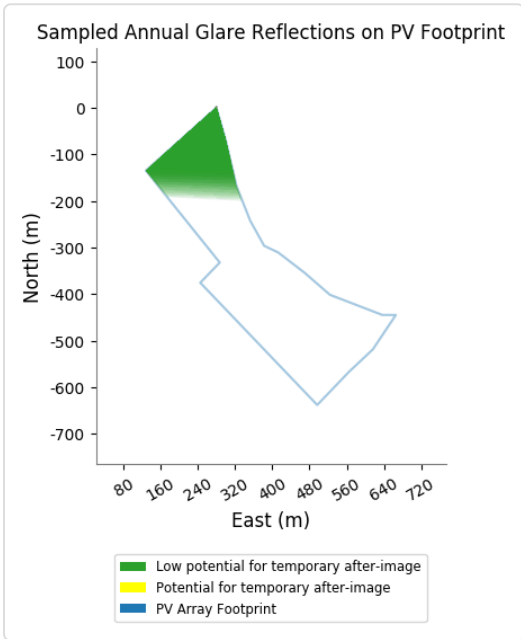
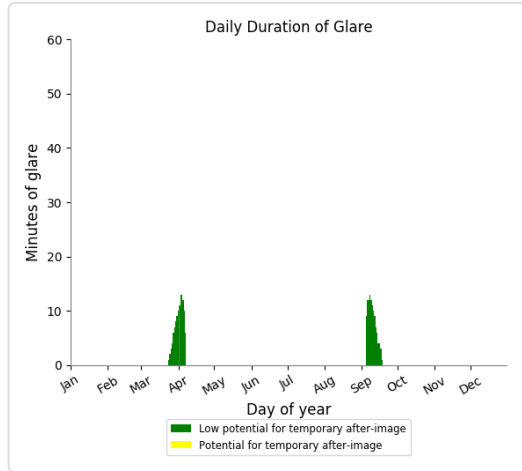
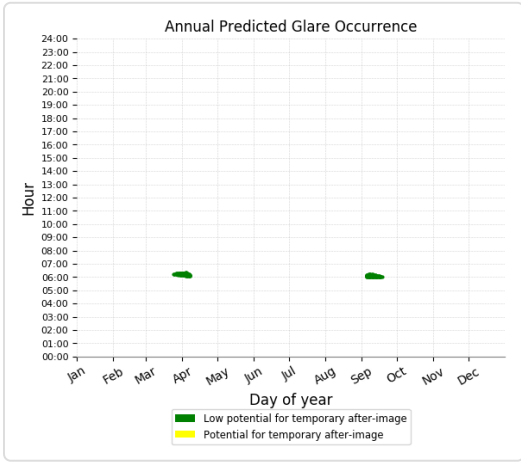
- 1 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 9)

PV array is expected to produce the following glare for receptors at this location:

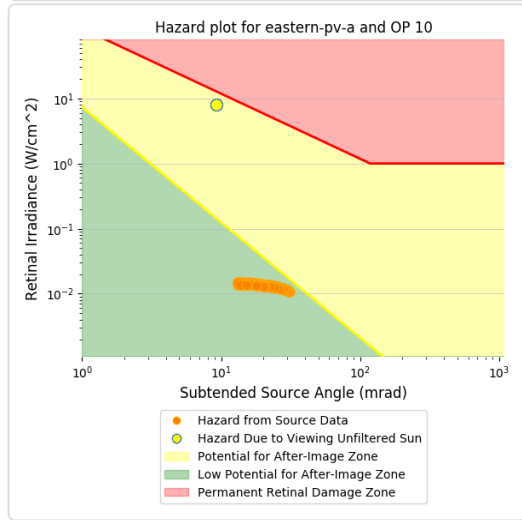
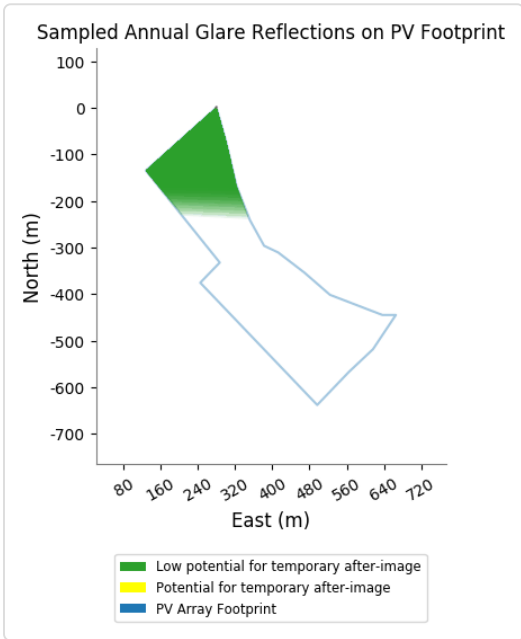
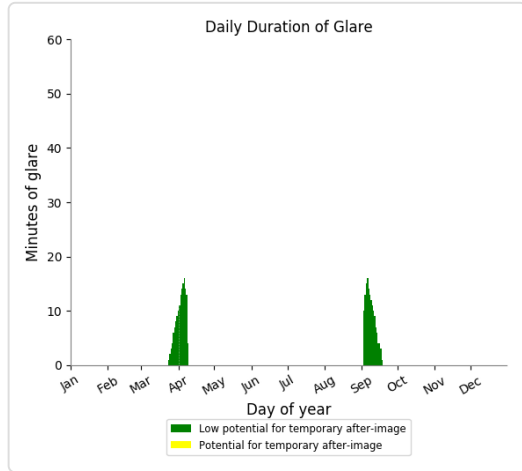
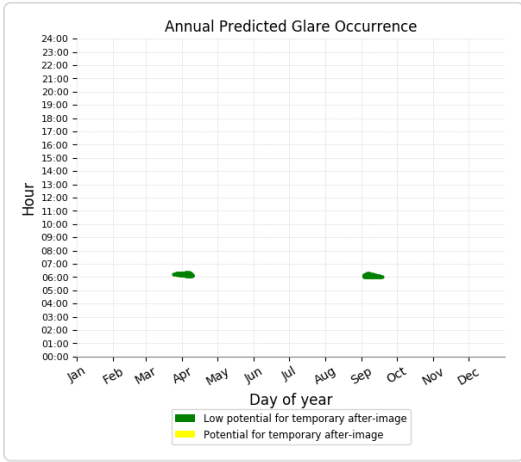
- 228 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 10)

PV array is expected to produce the following glare for receptors at this location:

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



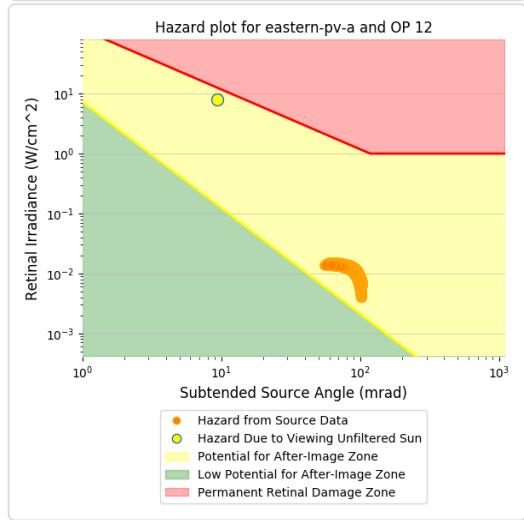
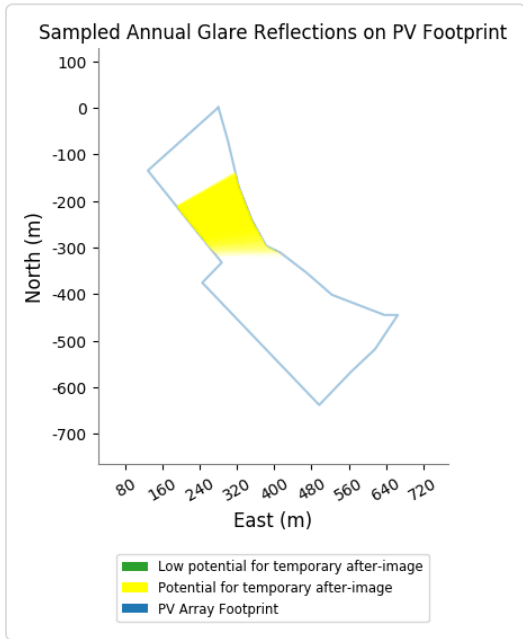
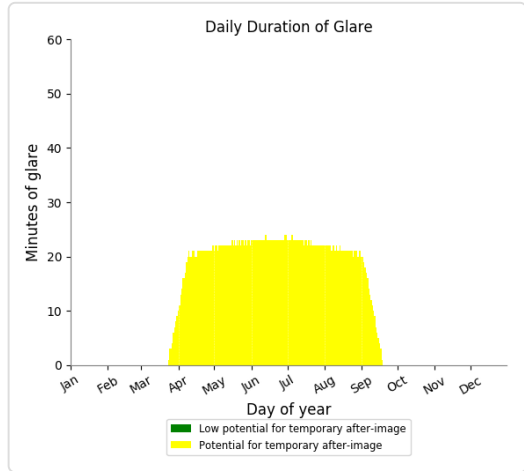
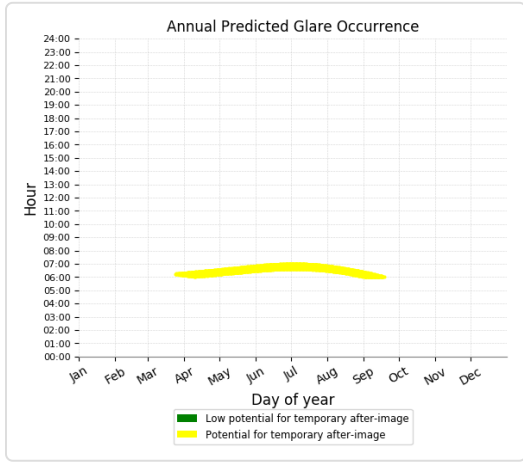
Eastern PV Array - OP Receptor (OP 11)

No glare found

Eastern PV Array - OP Receptor (OP 12)

PV array is expected to produce the following glare for receptors at this location:

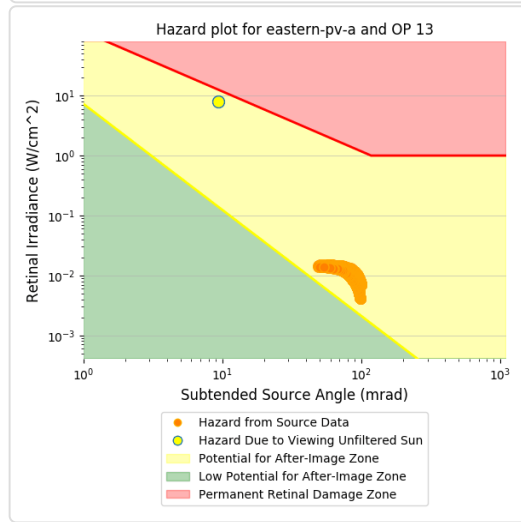
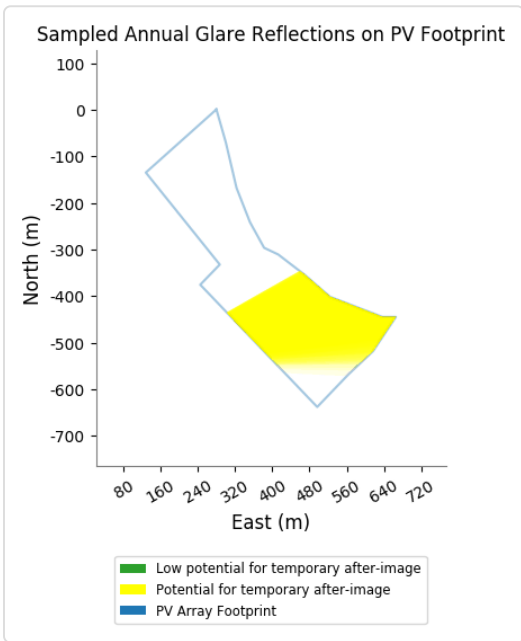
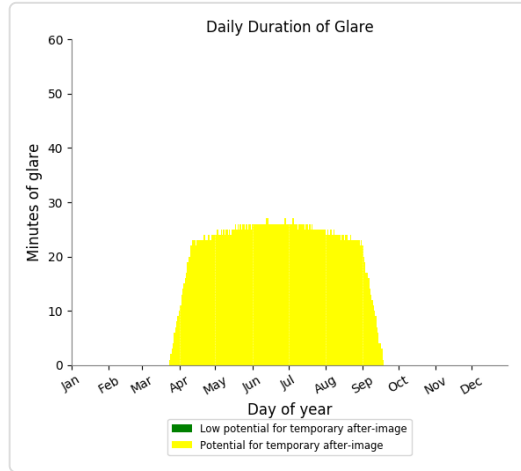
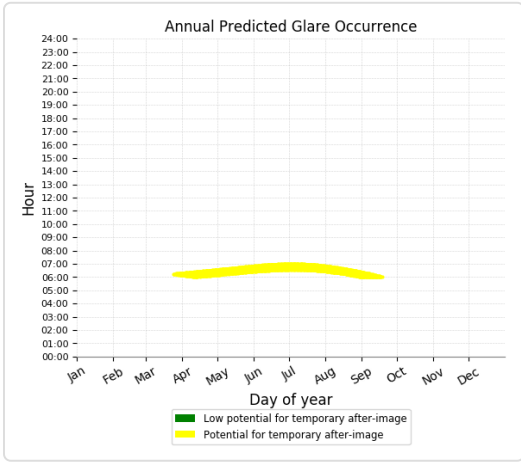
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,562 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 13)

PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,951 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 14)

No glare found

Eastern PV Array - OP Receptor (OP 15)

No glare found

Eastern PV Array - OP Receptor (OP 16)

No glare found

Eastern PV Array - OP Receptor (OP 17)

No glare found

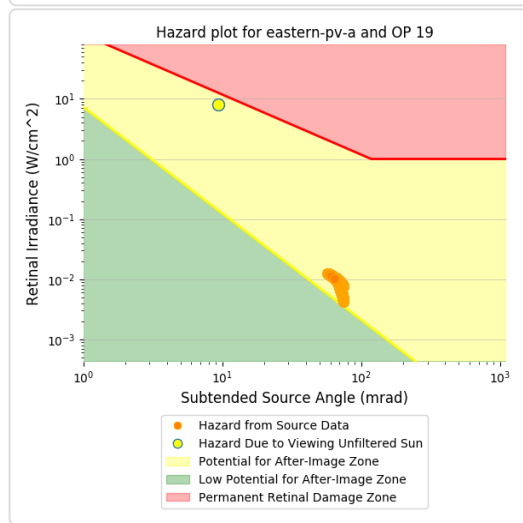
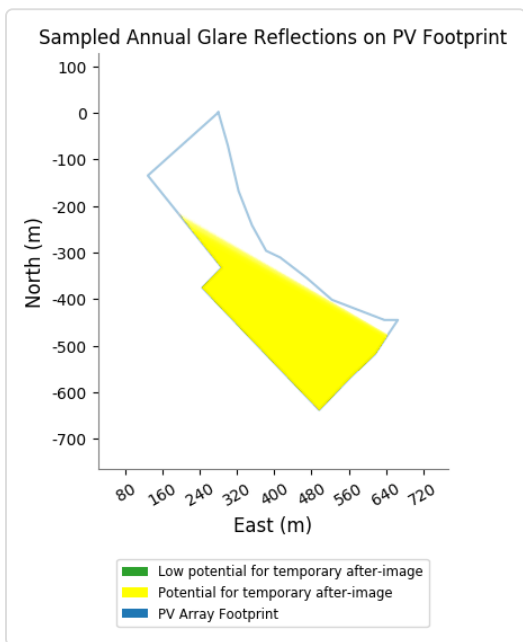
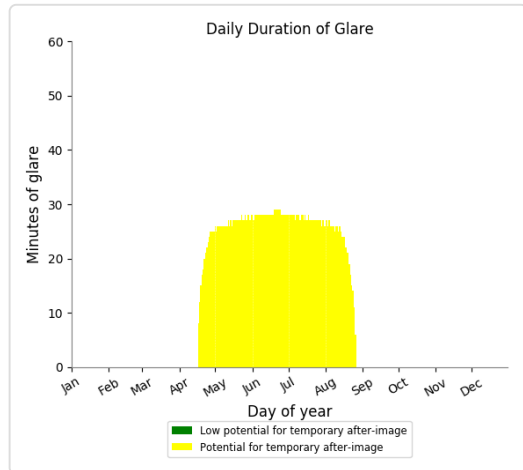
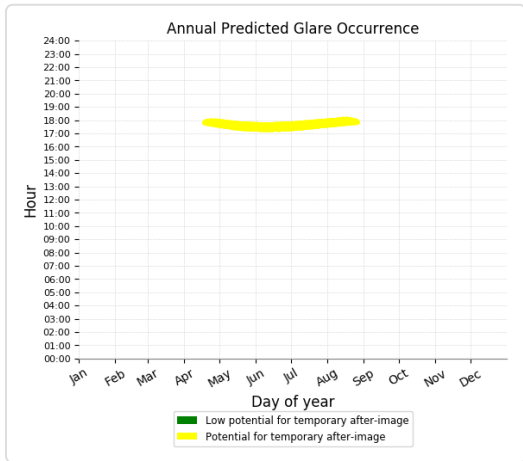
Eastern PV Array - OP Receptor (OP 18)

No glare found

Eastern PV Array - OP Receptor (OP 19)

PV array is expected to produce the following glare for receptors at this location:

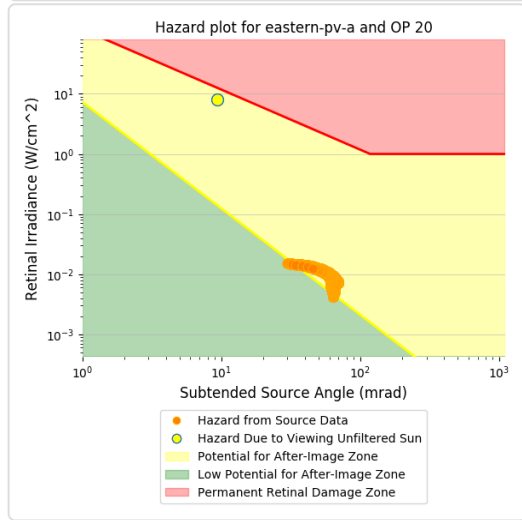
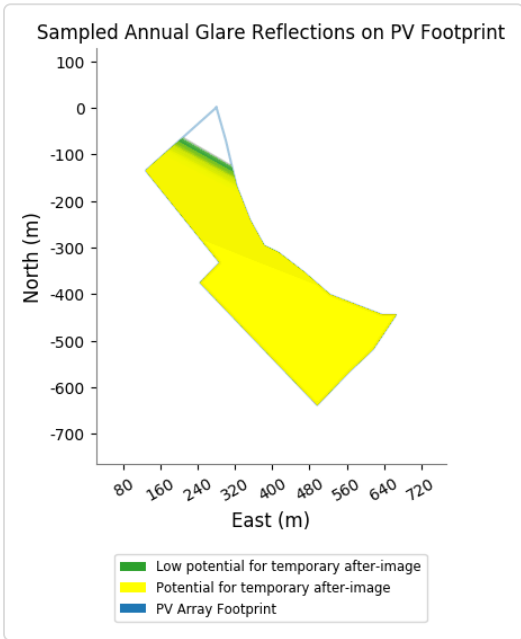
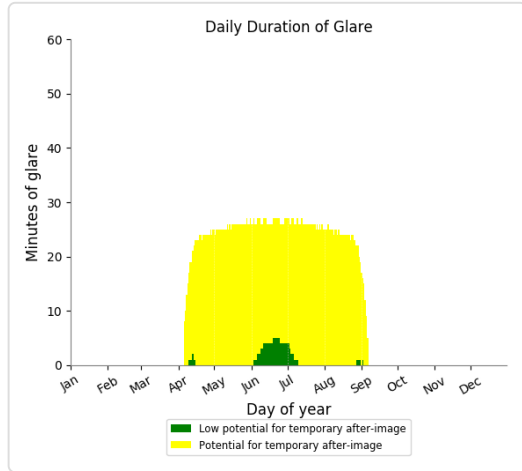
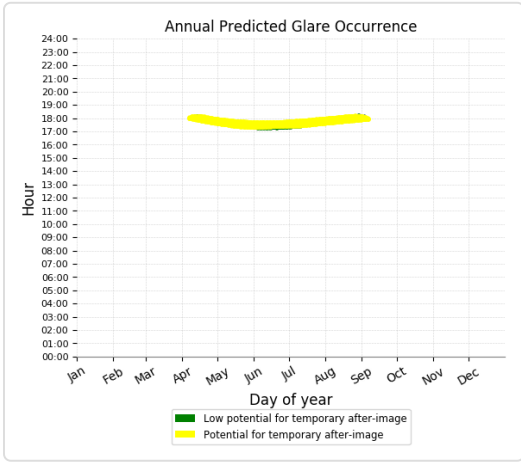
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,382 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 20)

PV array is expected to produce the following glare for receptors at this location:

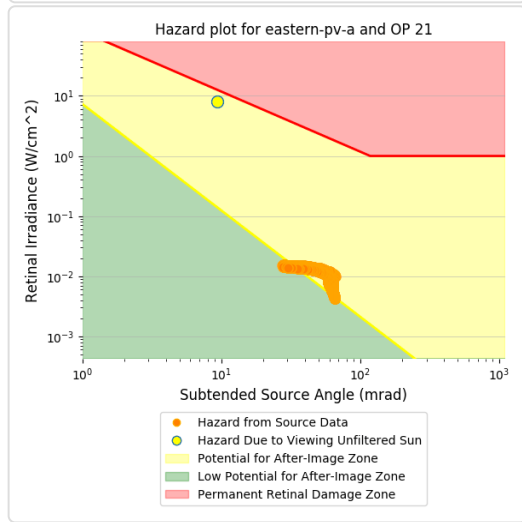
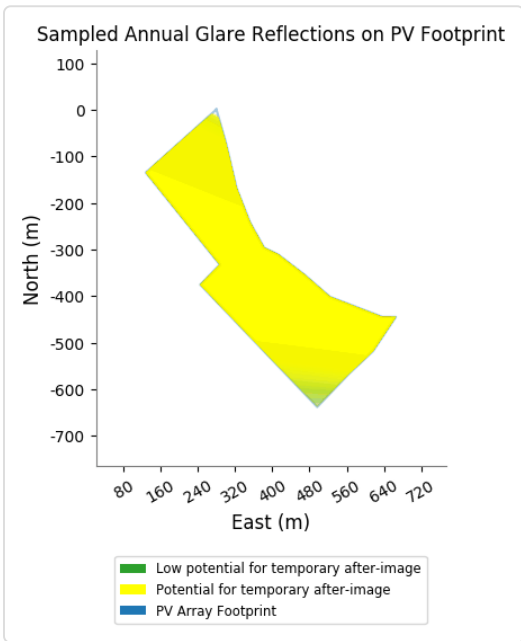
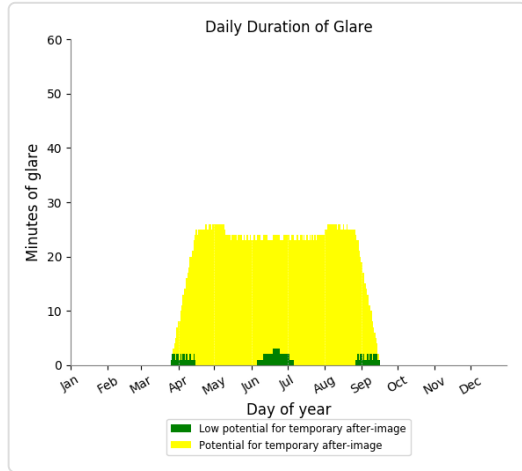
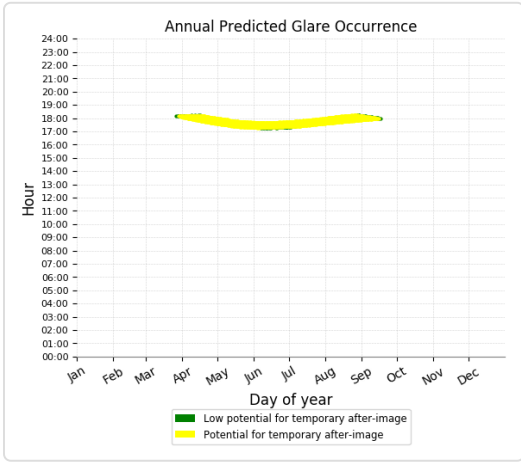
- 134 minutes of "green" glare with low potential to cause temporary after-image.
- 3,602 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 21)

PV array is expected to produce the following glare for receptors at this location:

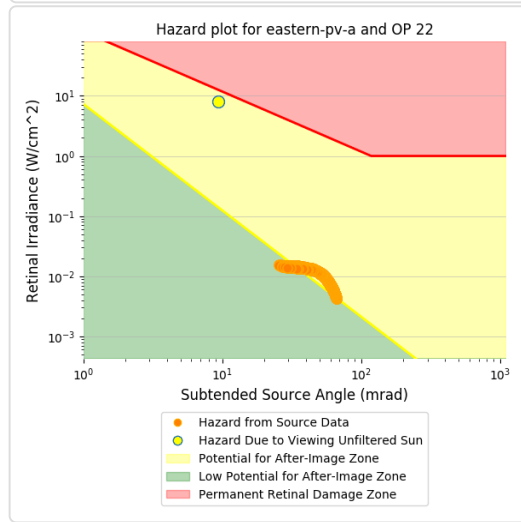
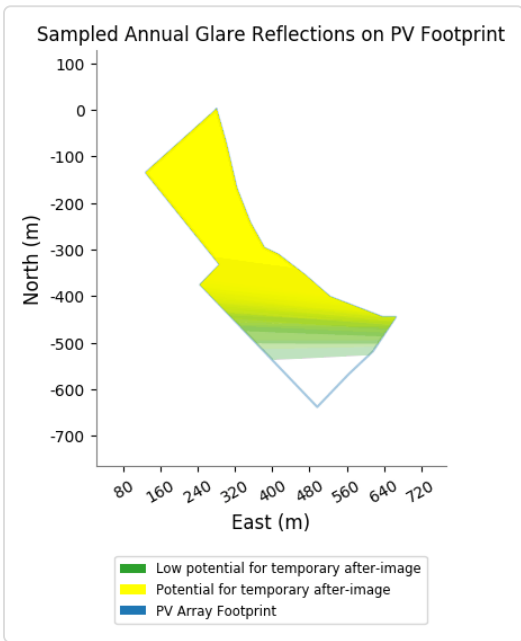
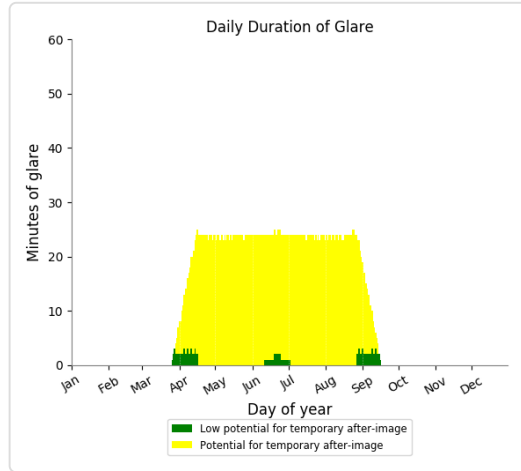
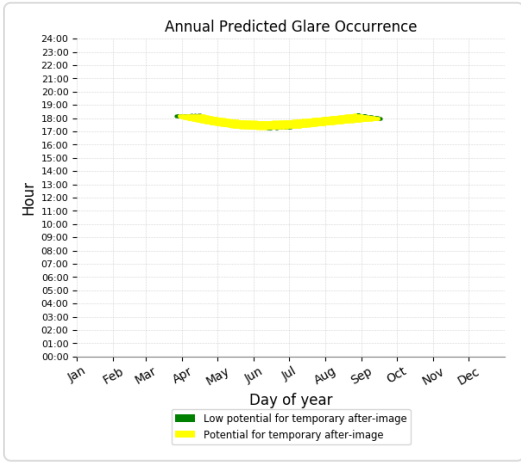
- 123 minutes of "green" glare with low potential to cause temporary after-image.
- 3,645 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 22)

PV array is expected to produce the following glare for receptors at this location:

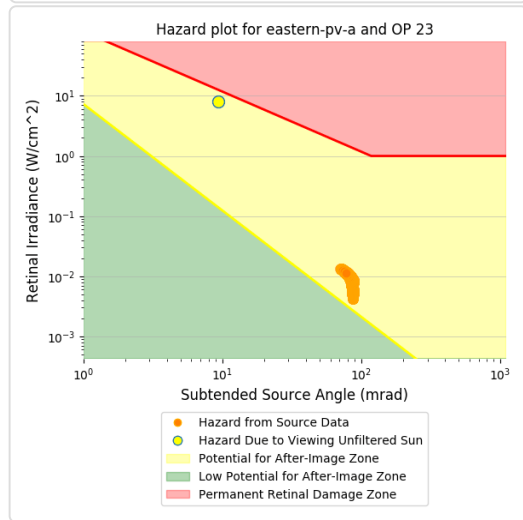
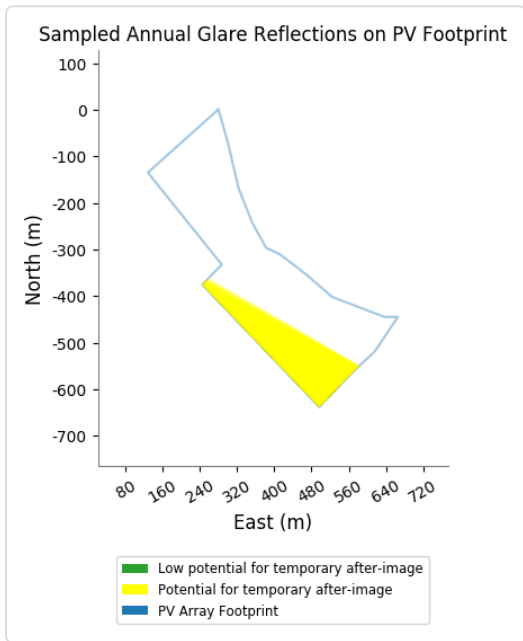
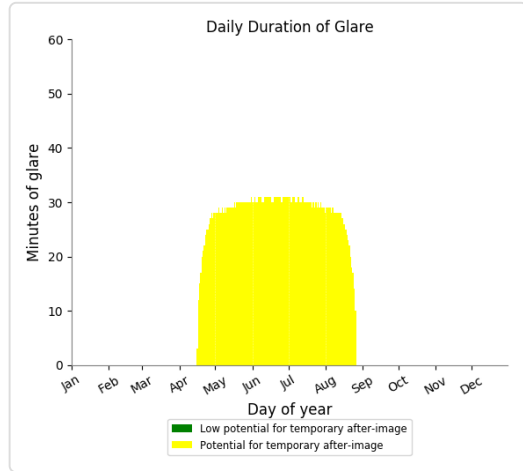
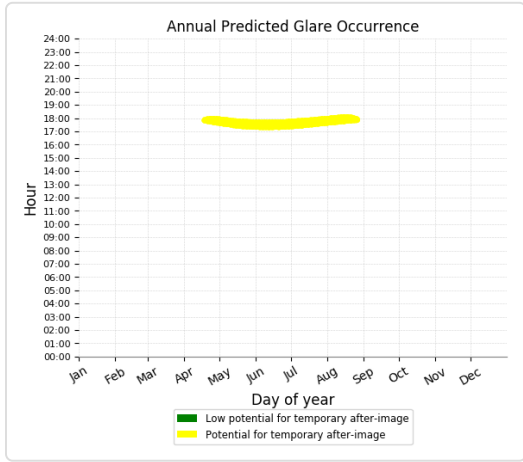
- 121 minutes of "green" glare with low potential to cause temporary after-image.
- 3,589 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 23)

PV array is expected to produce the following glare for receptors at this location:

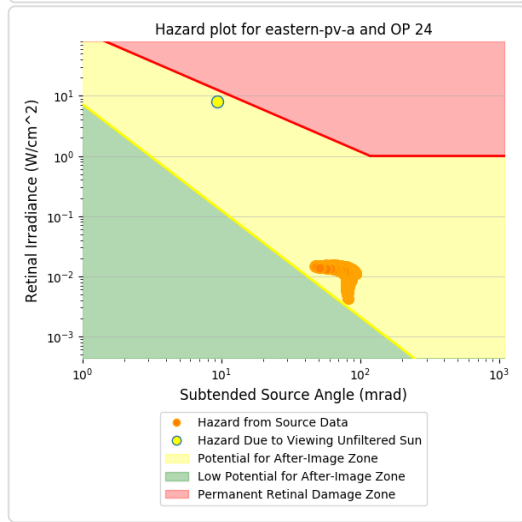
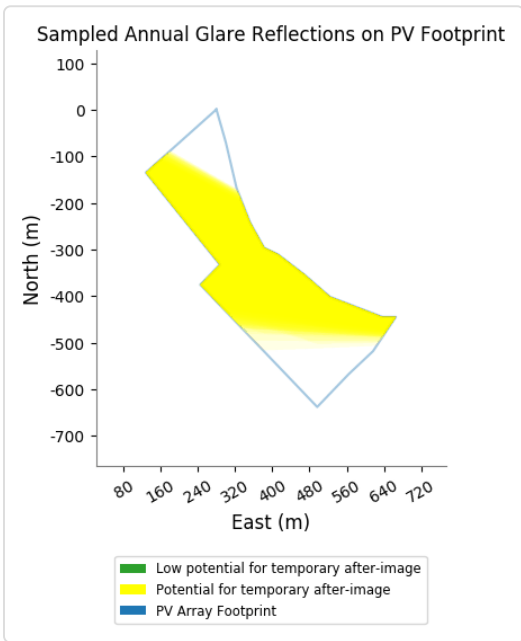
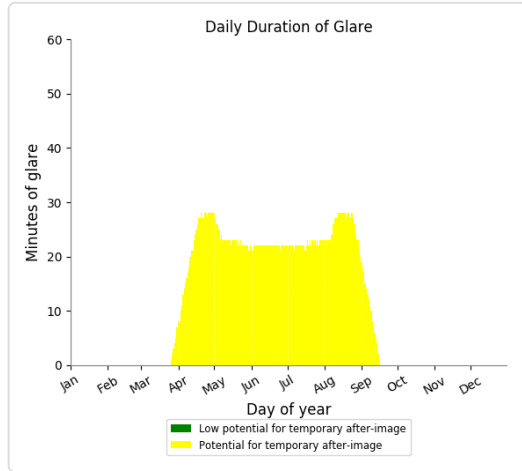
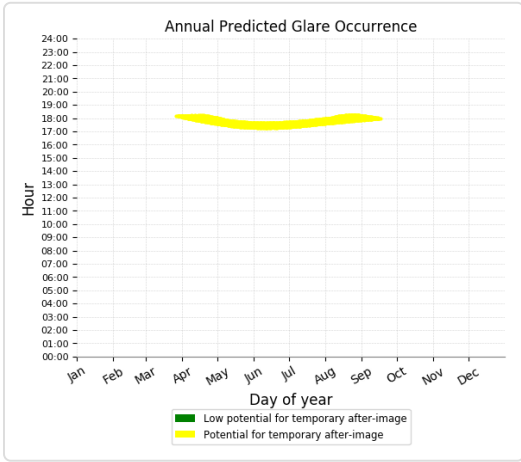
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,726 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 24)

PV array is expected to produce the following glare for receptors at this location:

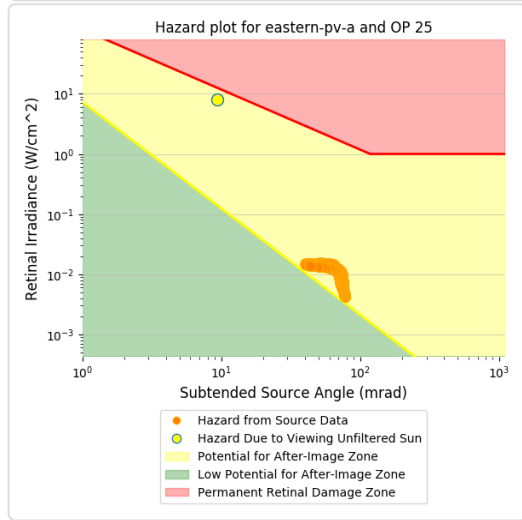
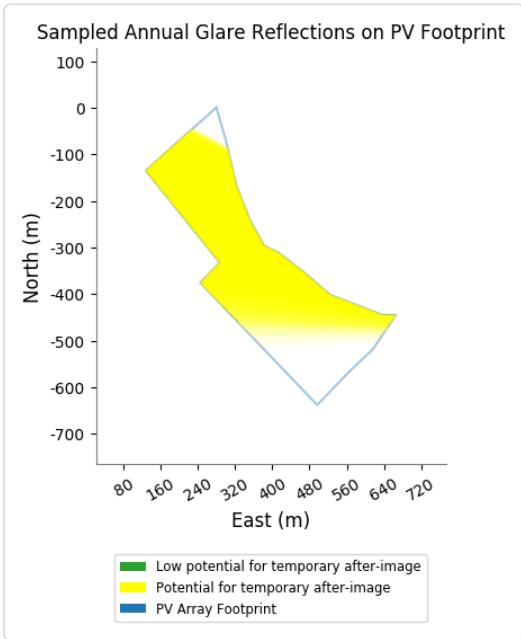
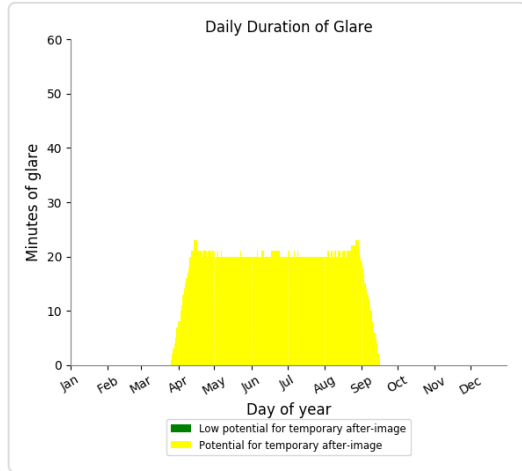
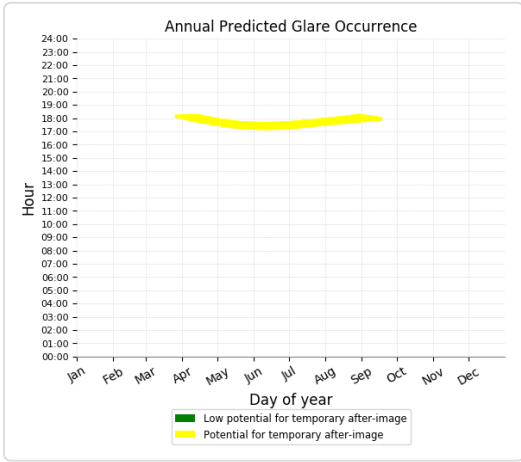
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,691 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 25)

PV array is expected to produce the following glare for receptors at this location:

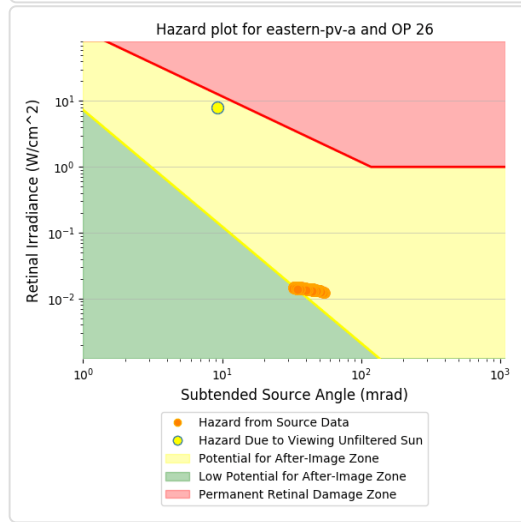
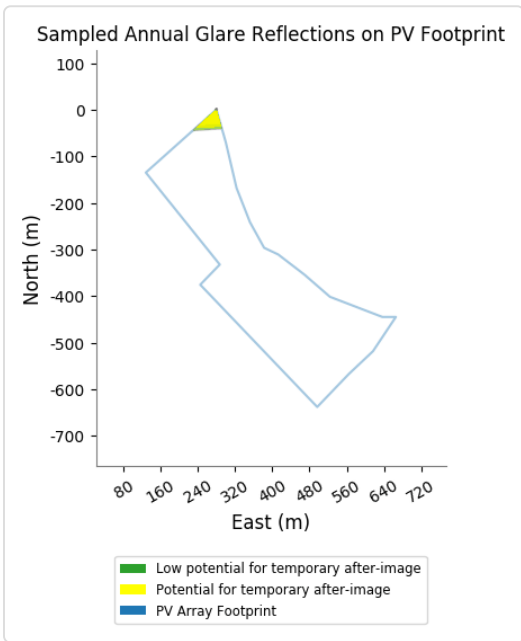
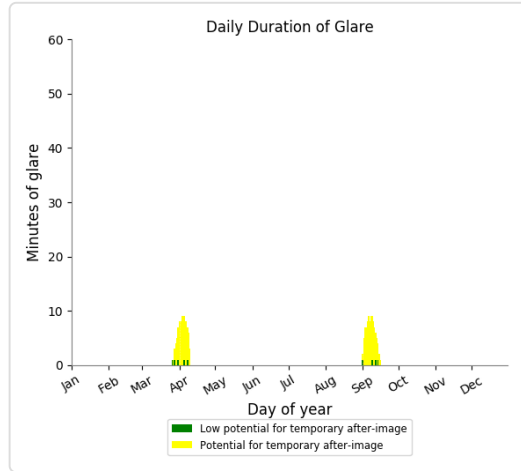
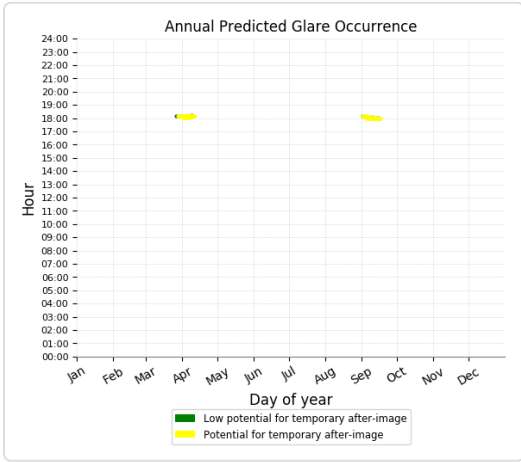
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,241 minutes of "yellow" glare with potential to cause temporary after-image.



Eastern PV Array - OP Receptor (OP 26)

PV array is expected to produce the following glare for receptors at this location:

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



Eastern PV Array - OP Receptor (OP 27)

No glare found

Eastern PV Array - OP Receptor (OP 28)

No glare found

Eastern PV Array - OP Receptor (OP 29)

No glare found

Eastern PV Array - OP Receptor (OP 30)

No glare found

Eastern PV Array - OP Receptor (OP 31)

No glare found

Eastern PV Array - OP Receptor (OP 32)

No glare found

Eastern PV Array - OP Receptor (OP 33)

No glare found

Eastern PV Array - OP Receptor (OP 34)

No glare found

Eastern PV Array - OP Receptor (OP 35)

No glare found

Eastern PV Array - OP Receptor (OP 36)

No glare found

Eastern PV Array - OP Receptor (OP 37)

No glare found

Eastern PV Array - OP Receptor (OP 38)

No glare found

Eastern PV Array - OP Receptor (OP 39)

No glare found

Eastern PV Array - OP Receptor (OP 40)

No glare found

Southern PV Array potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	5516
OP: OP 17	828	2951
OP: OP 18	616	5205
OP: OP 19	291	2372
OP: OP 20	533	1188
OP: OP 21	285	294
OP: OP 22	0	0
OP: OP 23	17	3042
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0

OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Southern PV Array - OP Receptor (OP 1)

No glare found

Southern PV Array - OP Receptor (OP 2)

No glare found

Southern PV Array - OP Receptor (OP 3)

No glare found

Southern PV Array - OP Receptor (OP 4)

No glare found

Southern PV Array - OP Receptor (OP 5)

No glare found

Southern PV Array - OP Receptor (OP 6)

No glare found

Southern PV Array - OP Receptor (OP 7)

No glare found

Southern PV Array - OP Receptor (OP 8)

No glare found

Southern PV Array - OP Receptor (OP 9)

No glare found

Southern PV Array - OP Receptor (OP 10)

No glare found

Southern PV Array - OP Receptor (OP 11)

No glare found

Southern PV Array - OP Receptor (OP 12)

No glare found

Southern PV Array - OP Receptor (OP 13)

No glare found

Southern PV Array - OP Receptor (OP 14)

No glare found

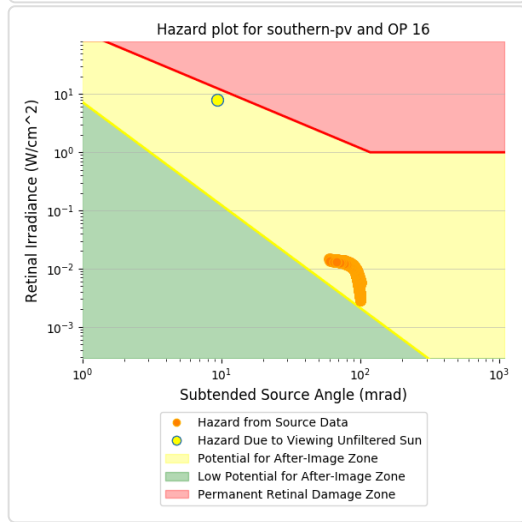
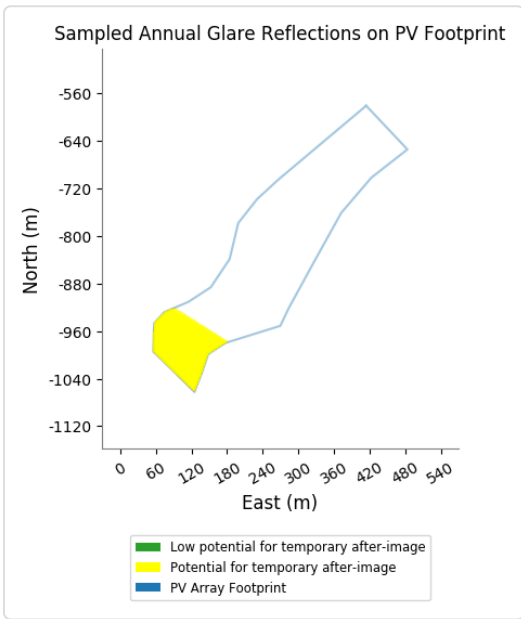
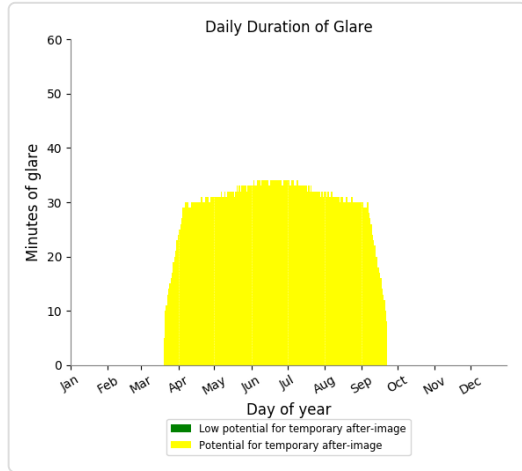
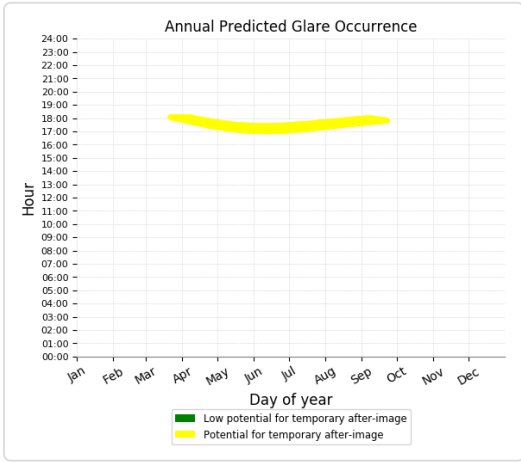
Southern PV Array - OP Receptor (OP 15)

No glare found

Southern PV Array - OP Receptor (OP 16)

PV array is expected to produce the following glare for receptors at this location:

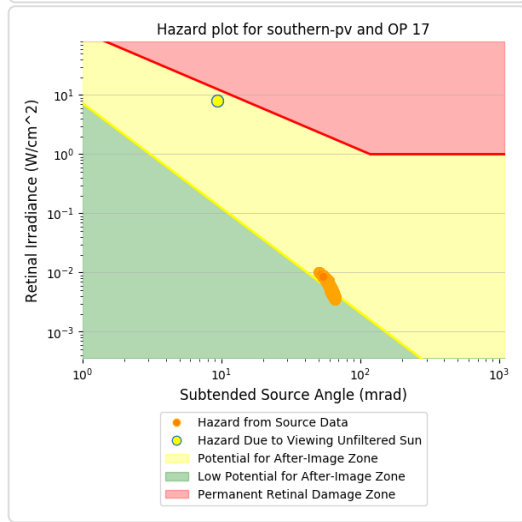
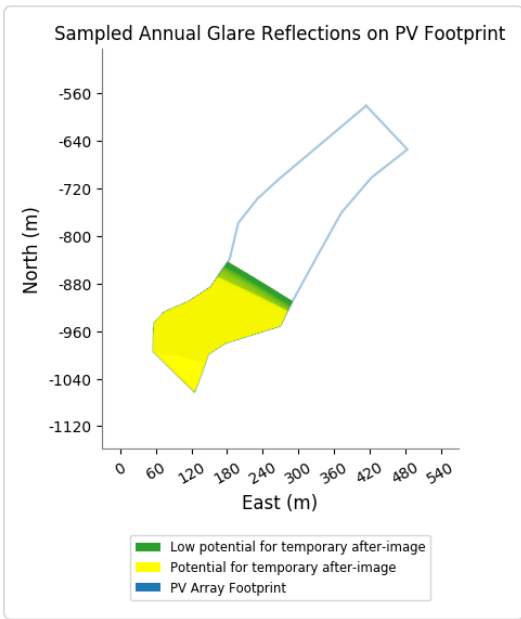
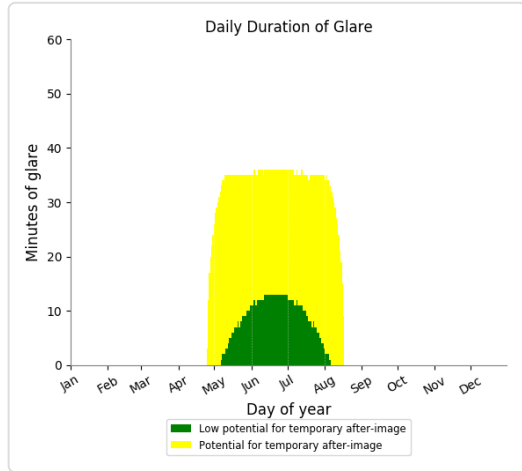
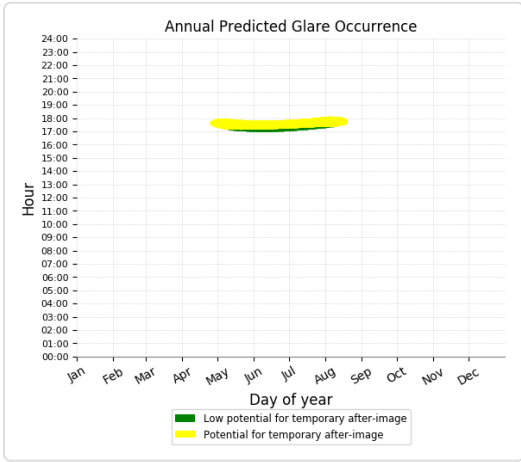
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 5,516 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 17)

PV array is expected to produce the following glare for receptors at this location:

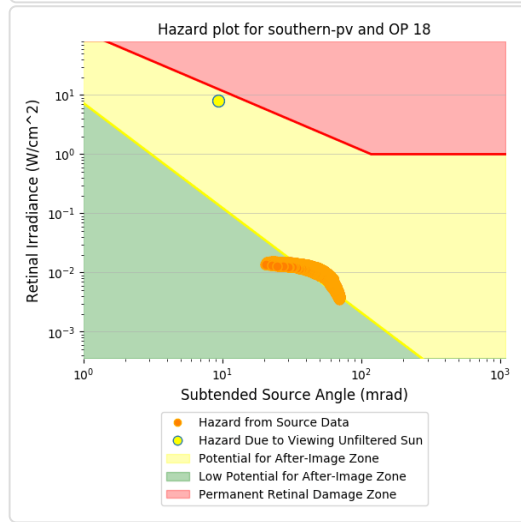
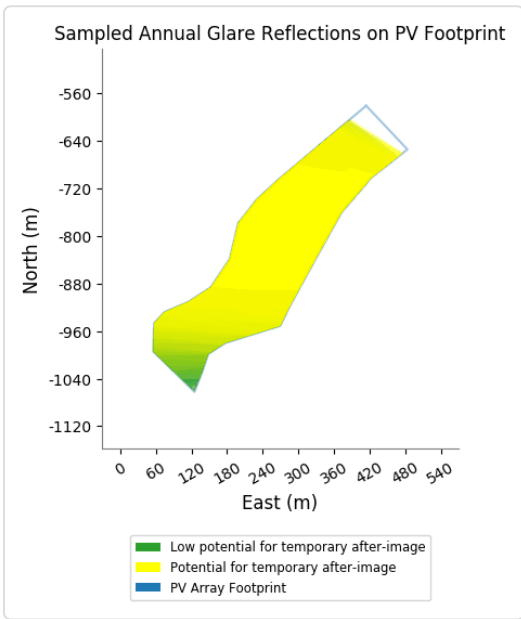
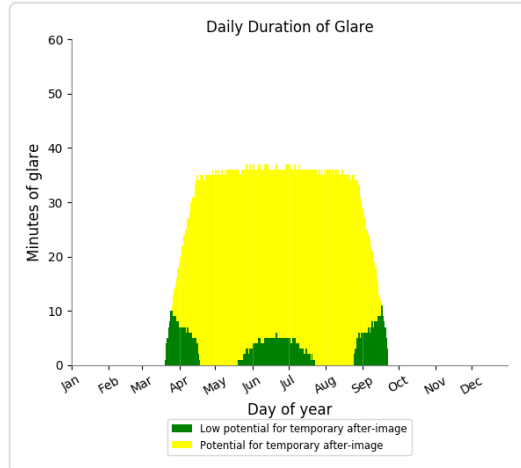
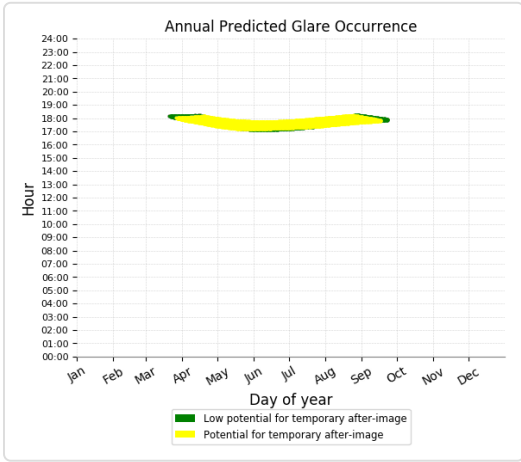
- 828 minutes of "green" glare with low potential to cause temporary after-image.
- 2,951 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 18)

PV array is expected to produce the following glare for receptors at this location:

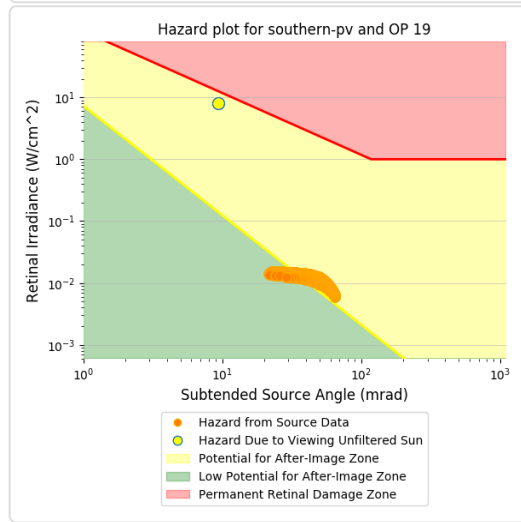
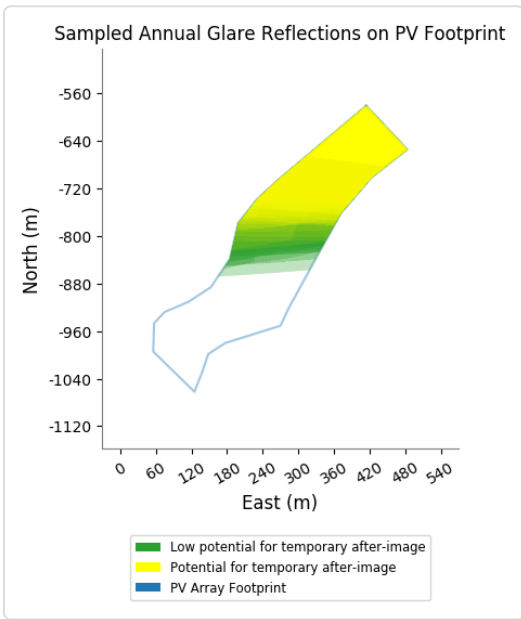
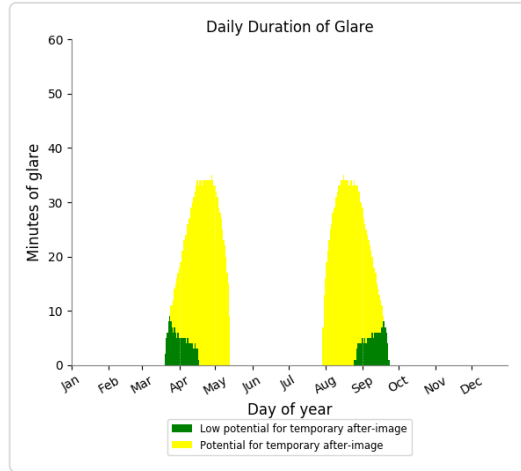
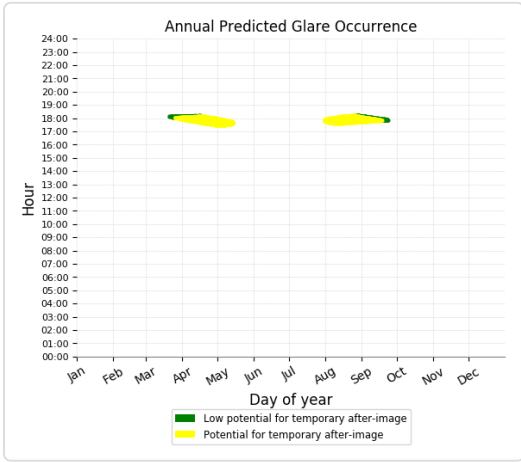
- 616 minutes of "green" glare with low potential to cause temporary after-image.
- 5,205 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 19)

PV array is expected to produce the following glare for receptors at this location:

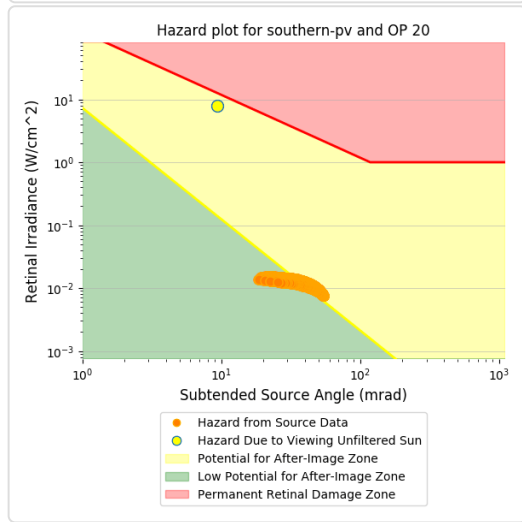
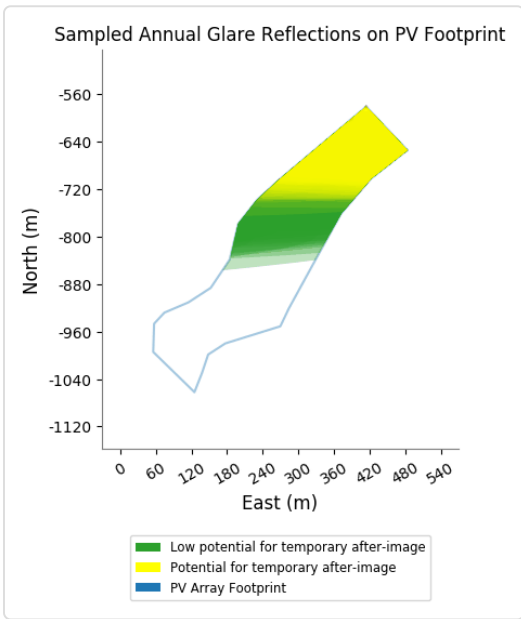
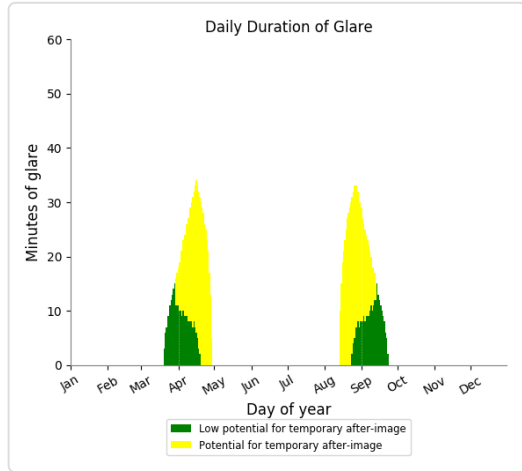
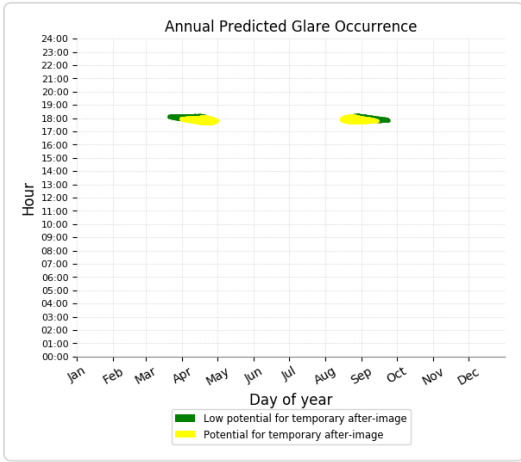
- 291 minutes of "green" glare with low potential to cause temporary after-image.
- 2,372 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 20)

PV array is expected to produce the following glare for receptors at this location:

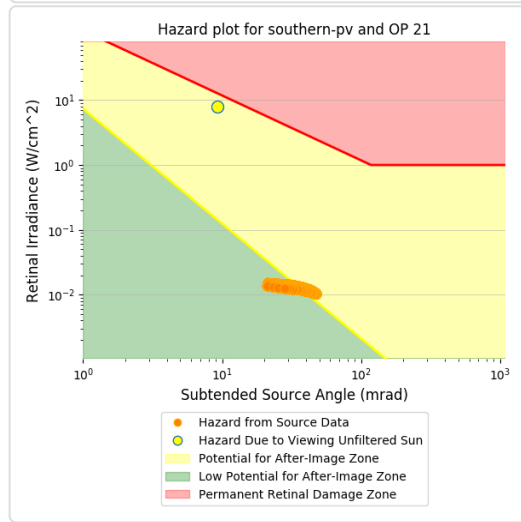
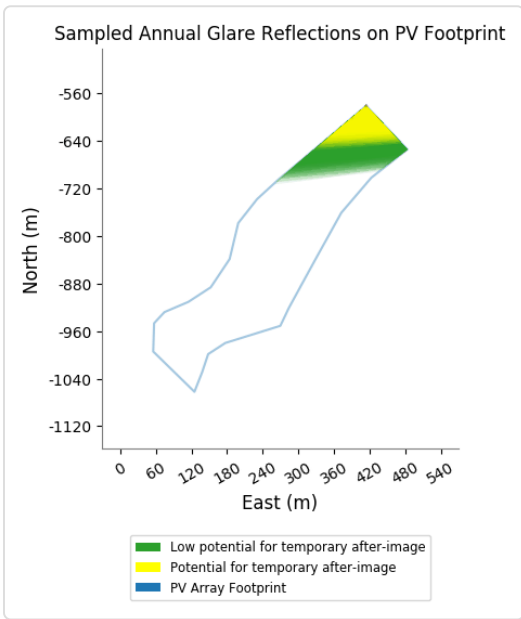
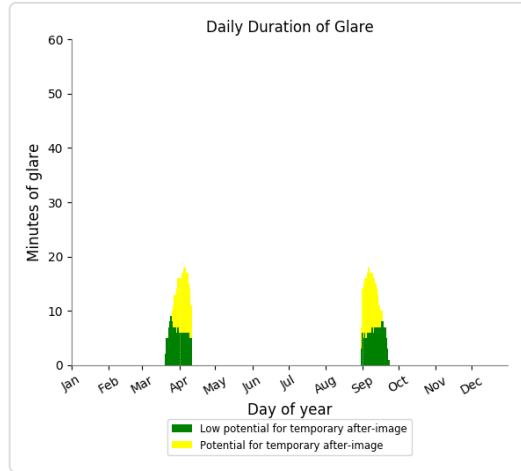
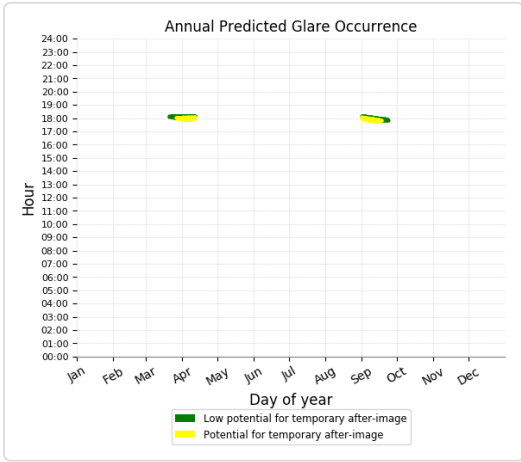
- 533 minutes of "green" glare with low potential to cause temporary after-image.
- 1,188 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 21)

PV array is expected to produce the following glare for receptors at this location:

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



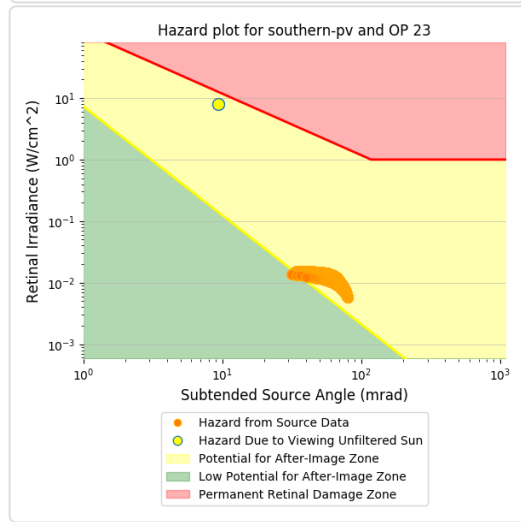
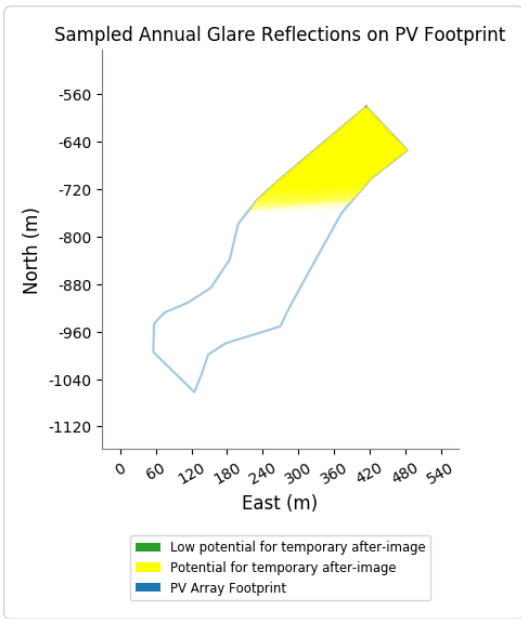
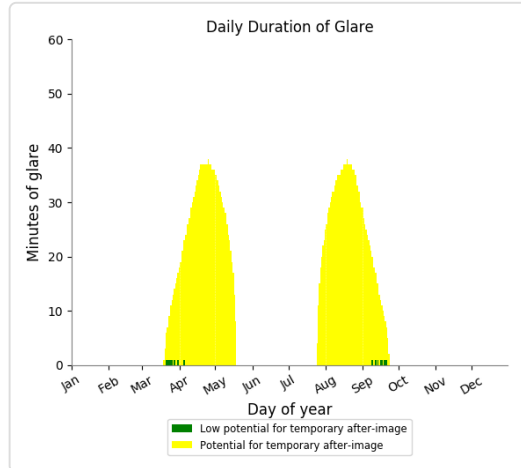
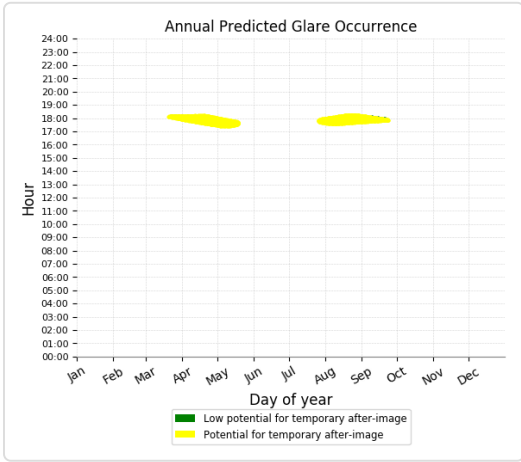
Southern PV Array - OP Receptor (OP 22)

No glare found

Southern PV Array - OP Receptor (OP 23)

PV array is expected to produce the following glare for receptors at this location:

- 17 minutes of "green" glare with low potential to cause temporary after-image.
- 3,042 minutes of "yellow" glare with potential to cause temporary after-image.



Southern PV Array - OP Receptor (OP 24)

No glare found

Southern PV Array - OP Receptor (OP 25)

No glare found

Southern PV Array - OP Receptor (OP 26)

No glare found

Southern PV Array - OP Receptor (OP 27)

No glare found

Southern PV Array - OP Receptor (OP 28)

No glare found

Southern PV Array - OP Receptor (OP 29)

No glare found

Southern PV Array - OP Receptor (OP 30)

No glare found

Southern PV Array - OP Receptor (OP 31)

No glare found

Southern PV Array - OP Receptor (OP 32)

No glare found

Southern PV Array - OP Receptor (OP 33)

No glare found

Southern PV Array - OP Receptor (OP 34)

No glare found

Southern PV Array - OP Receptor (OP 35)

No glare found

Southern PV Array - OP Receptor (OP 36)

No glare found

Southern PV Array - OP Receptor (OP 37)

No glare found

Southern PV Array - OP Receptor (OP 38)

No glare found

Southern PV Array - OP Receptor (OP 39)

No glare found

Southern PV Array - OP Receptor (OP 40)

No glare found

Western PV Array potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	7011
OP: OP 3	0	4610
OP: OP 4	13	3915
OP: OP 5	71	3827
OP: OP 6	81	3766
OP: OP 7	36	3646
OP: OP 8	28	3597
OP: OP 9	0	2989
OP: OP 10	0	2828
OP: OP 11	0	4522
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	382	0
OP: OP 20	886	0
OP: OP 21	681	600
OP: OP 22	409	1518
OP: OP 23	36	0
OP: OP 24	311	404
OP: OP 25	88	939
OP: OP 26	128	3276

OP: OP 27	76	3617
OP: OP 28	22	3866
OP: OP 29	6	3187
OP: OP 30	14	2440
OP: OP 31	0	1
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	3405

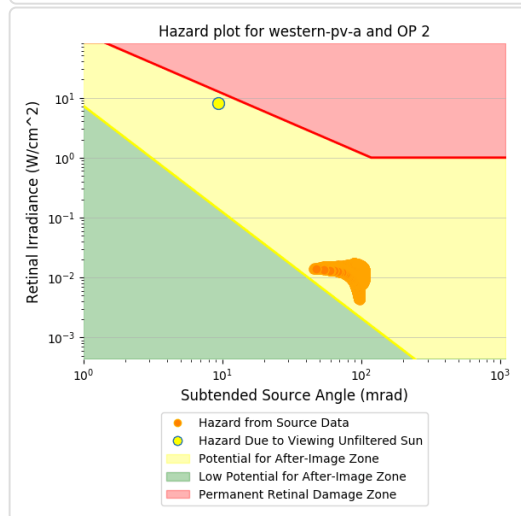
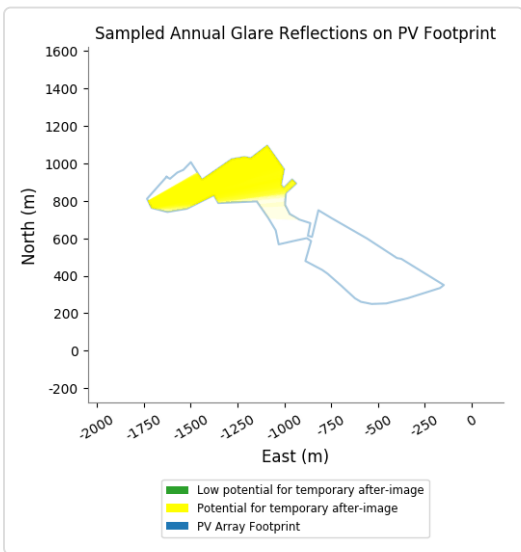
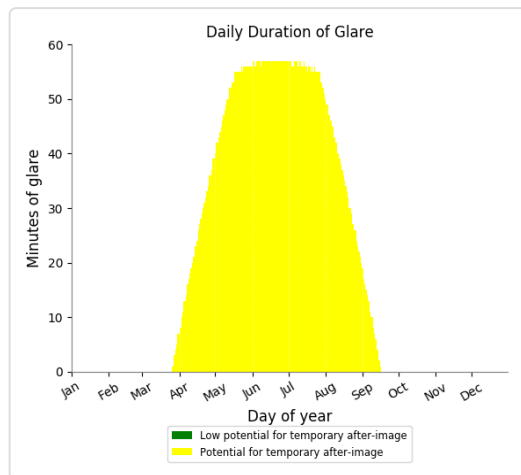
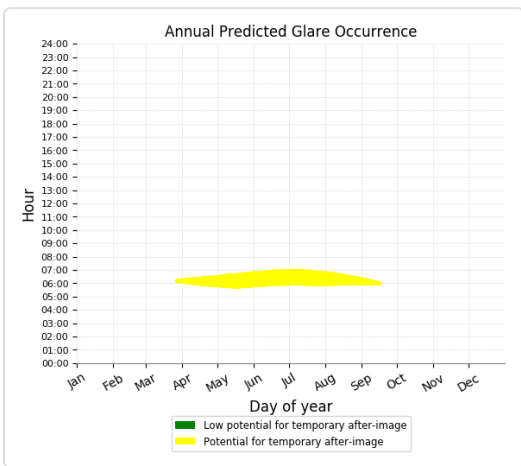
Western PV Array - OP Receptor (OP 1)

No glare found

Western PV Array - OP Receptor (OP 2)

PV array is expected to produce the following glare for receptors at this location:

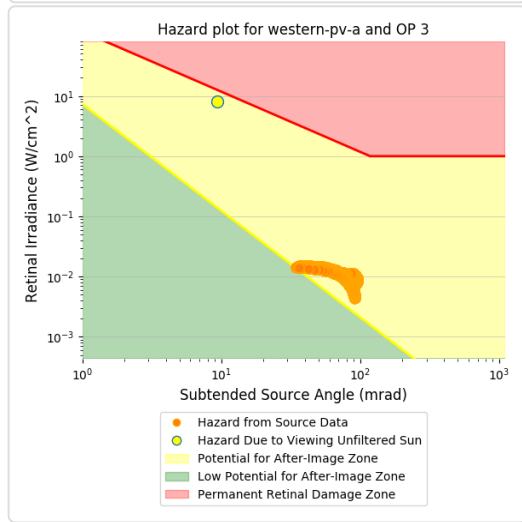
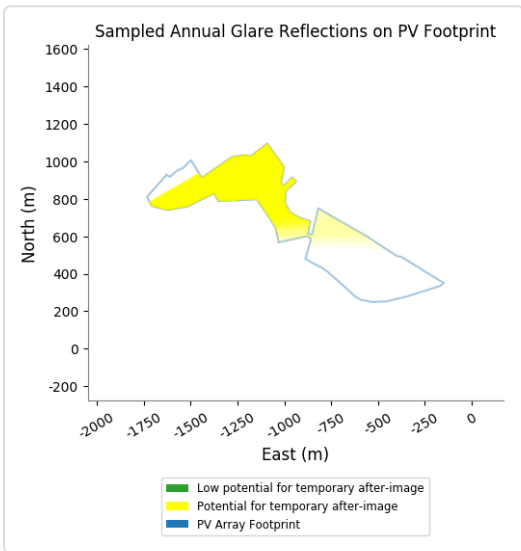
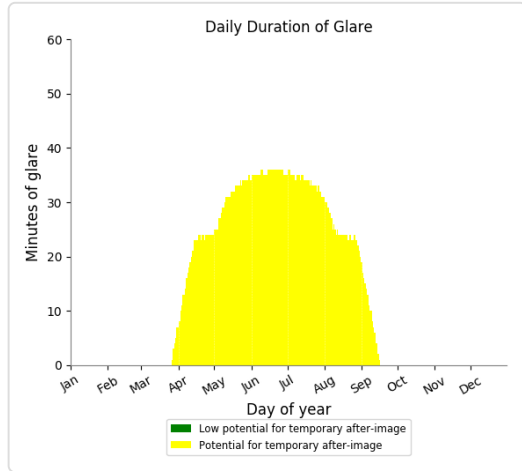
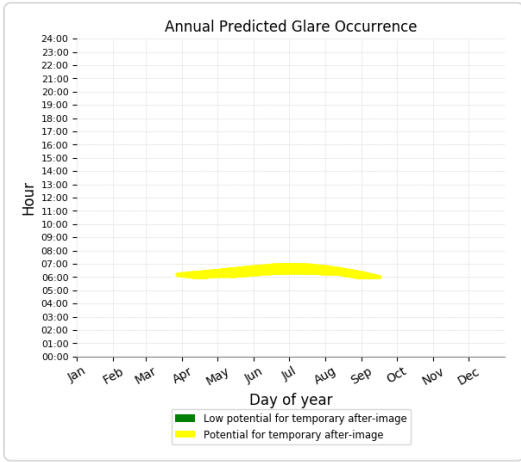
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 7,011 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 3)

PV array is expected to produce the following glare for receptors at this location:

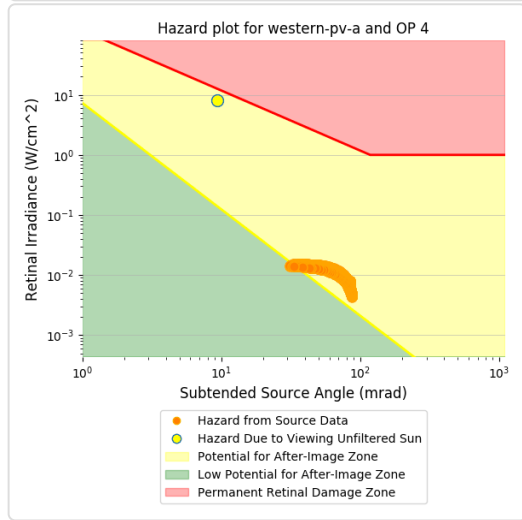
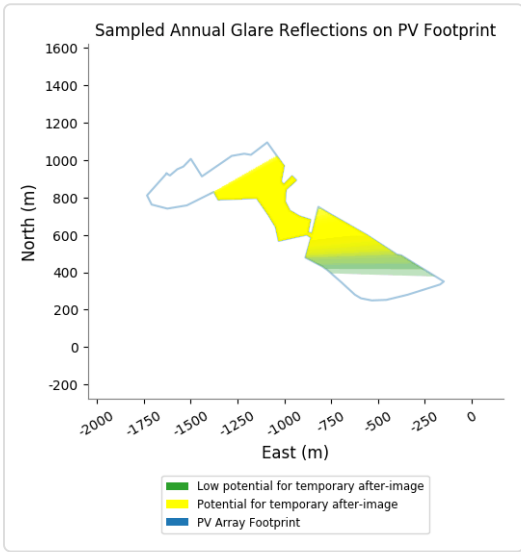
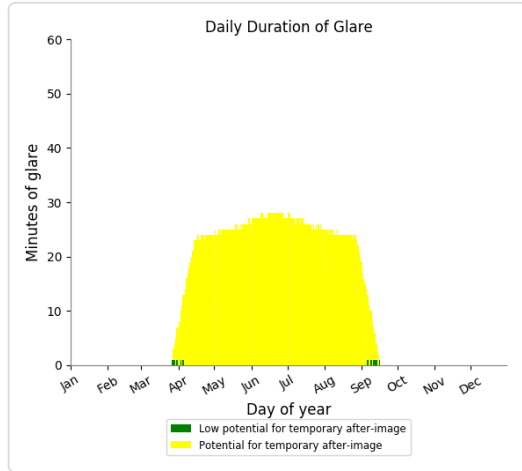
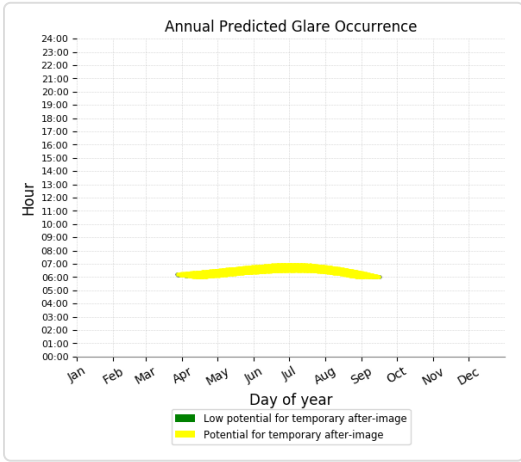
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 4,610 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 4)

PV array is expected to produce the following glare for receptors at this location:

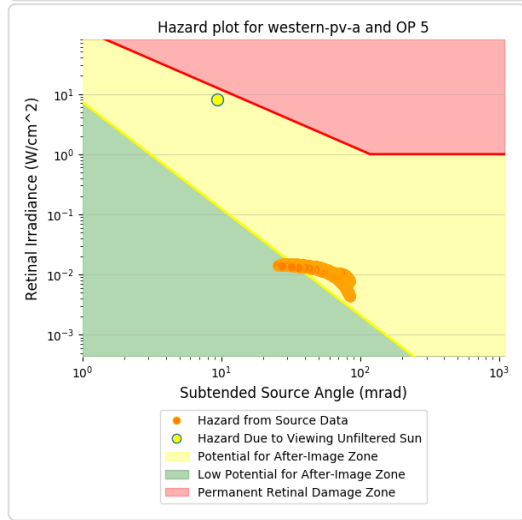
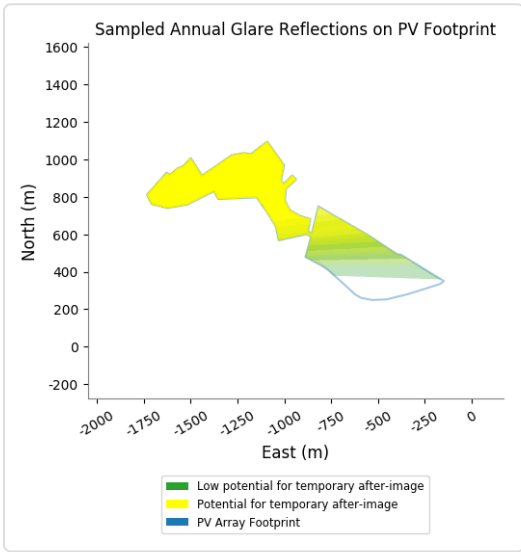
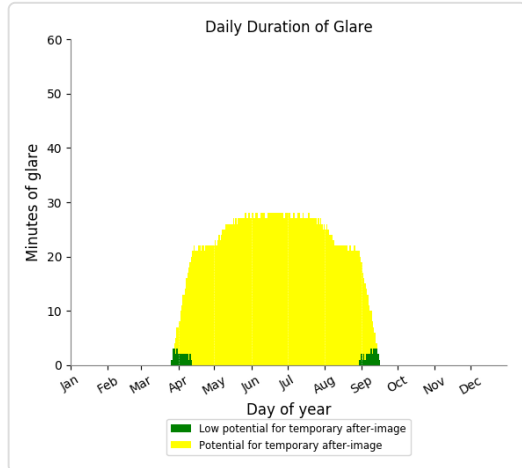
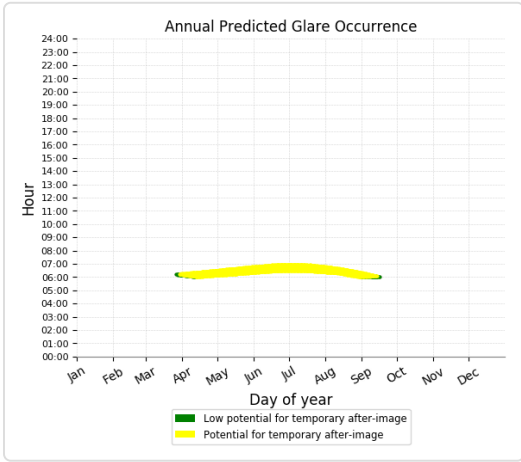
- 13 minutes of "green" glare with low potential to cause temporary after-image.
- 3,915 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 5)

PV array is expected to produce the following glare for receptors at this location:

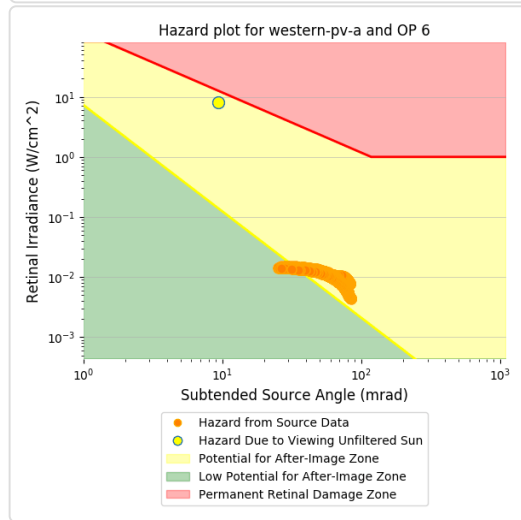
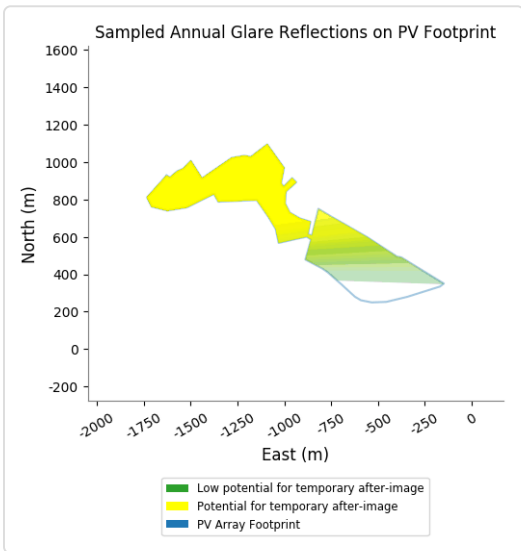
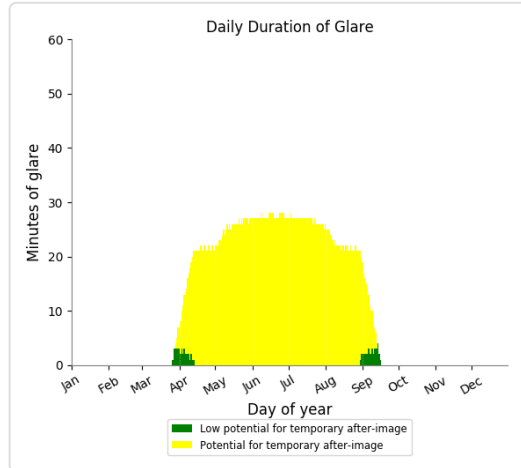
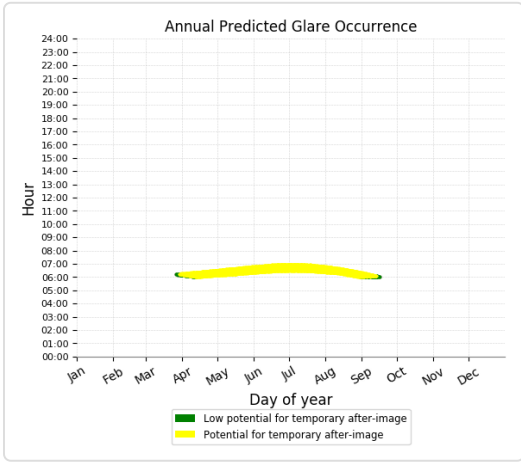
- 71 minutes of "green" glare with low potential to cause temporary after-image.
- 3,827 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 6)

PV array is expected to produce the following glare for receptors at this location:

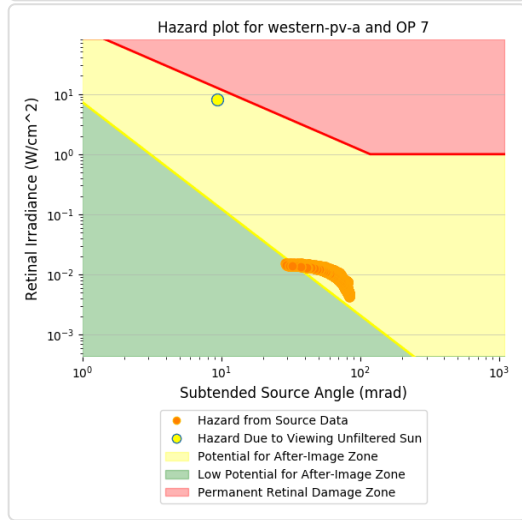
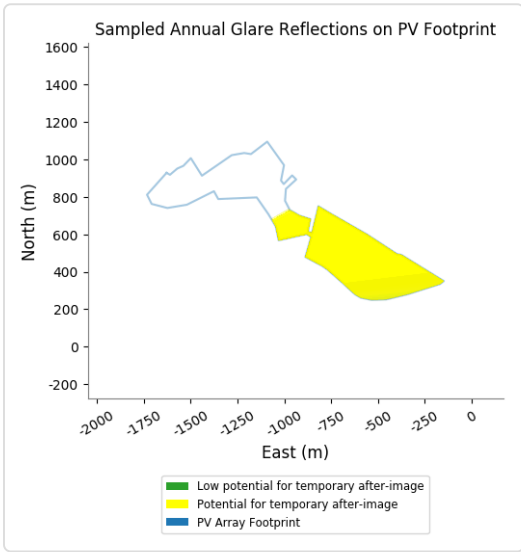
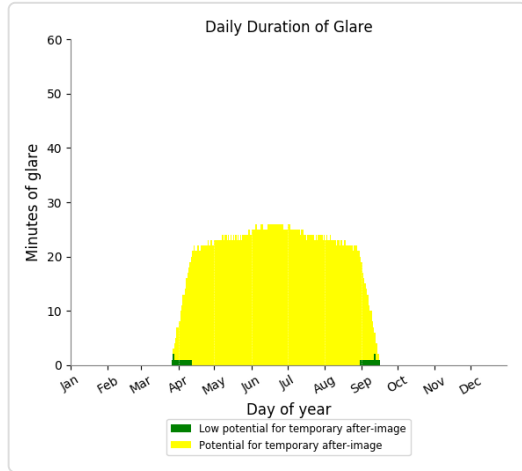
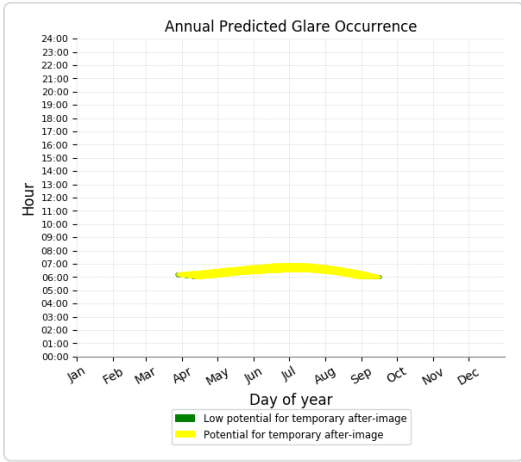
- 81 minutes of "green" glare with low potential to cause temporary after-image.
- 3,766 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 7)

PV array is expected to produce the following glare for receptors at this location:

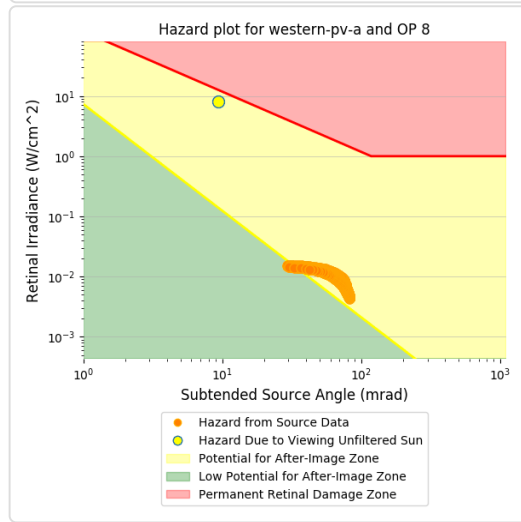
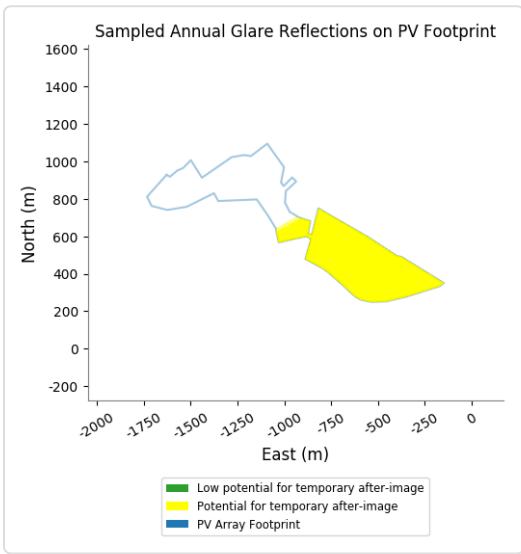
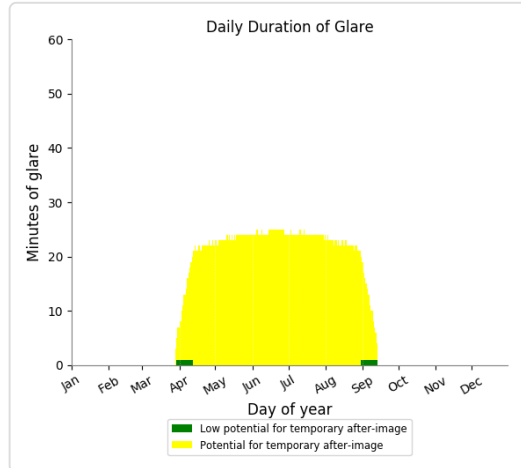
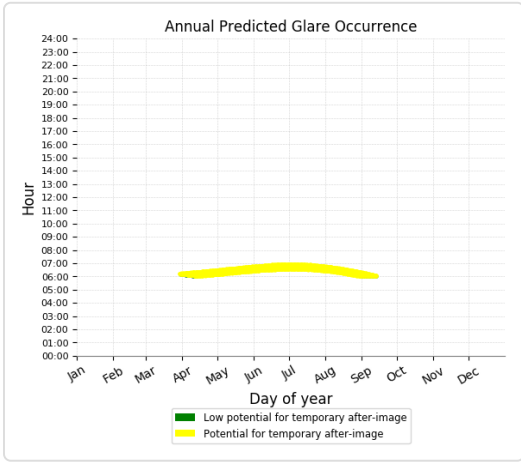
- 36 minutes of "green" glare with low potential to cause temporary after-image.
- 3,646 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 8)

PV array is expected to produce the following glare for receptors at this location:

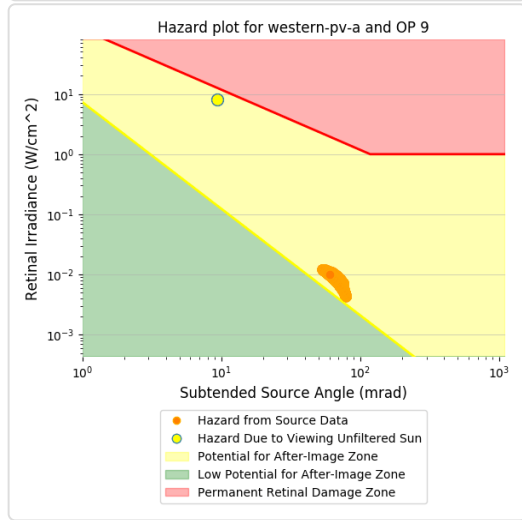
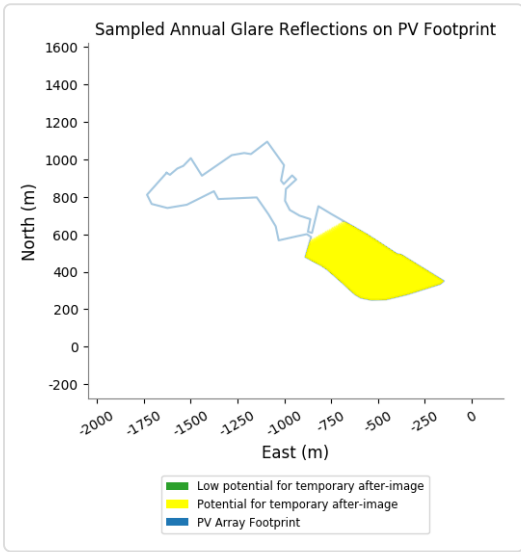
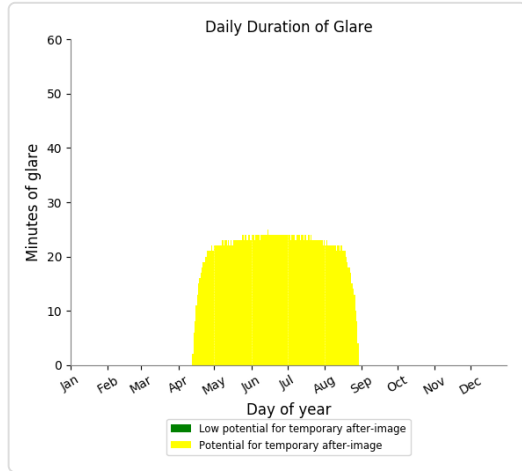
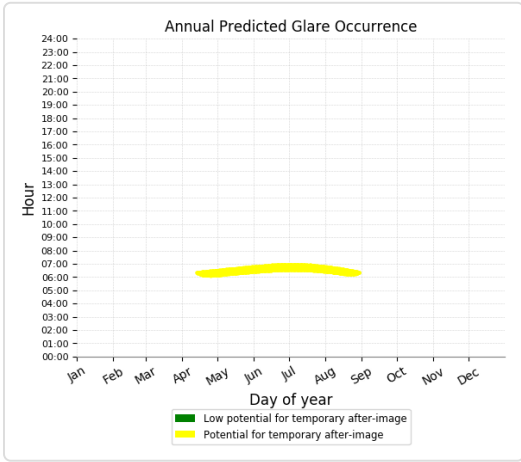
- 28 minutes of "green" glare with low potential to cause temporary after-image.
- 3,597 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 9)

PV array is expected to produce the following glare for receptors at this location:

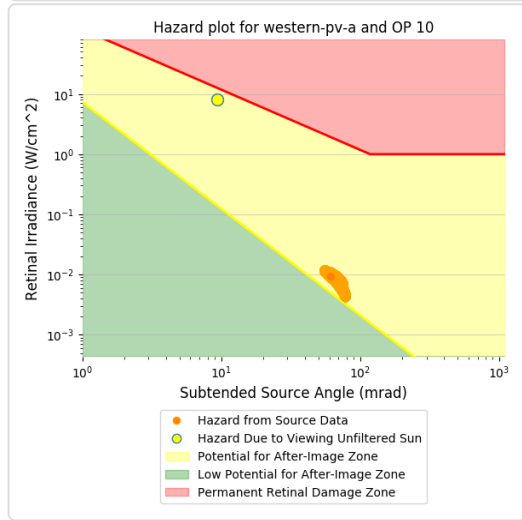
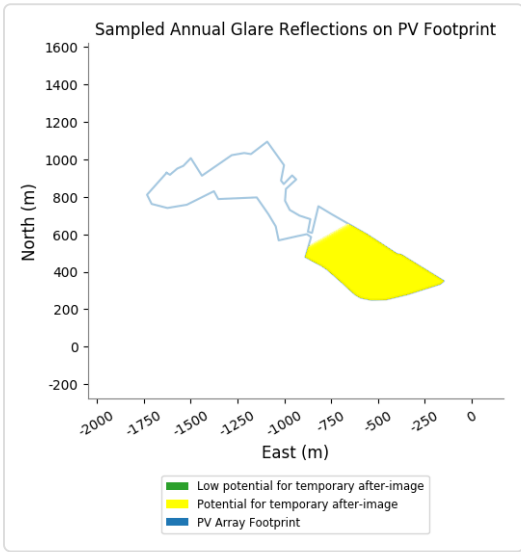
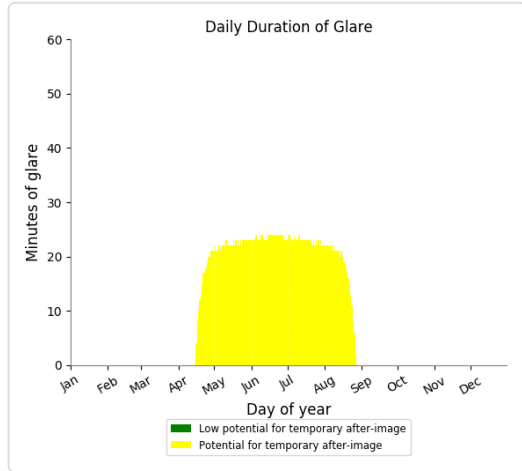
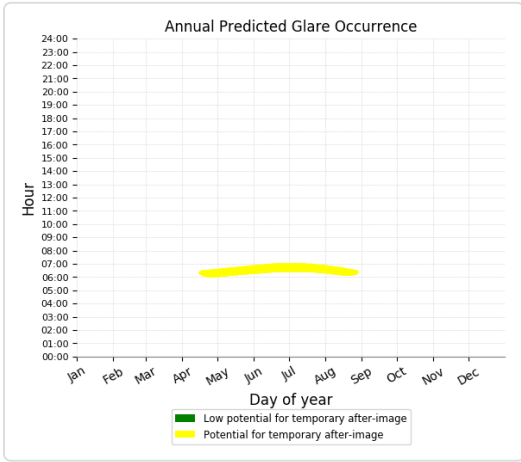
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,989 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 10)

PV array is expected to produce the following glare for receptors at this location:

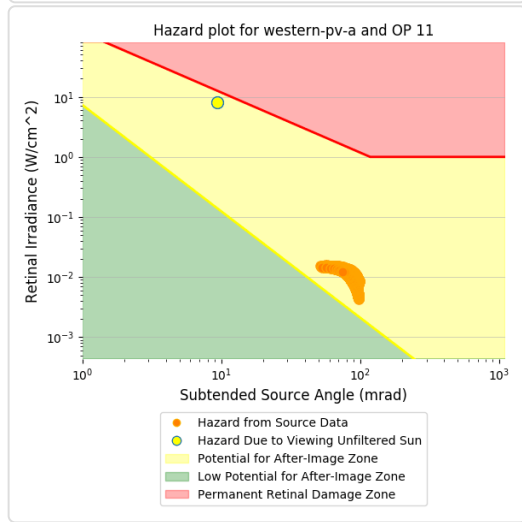
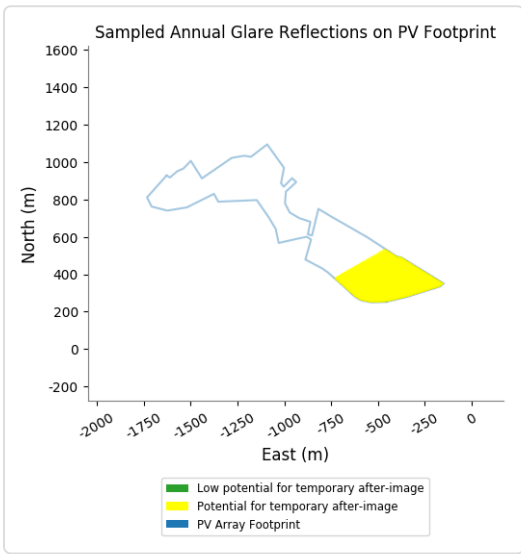
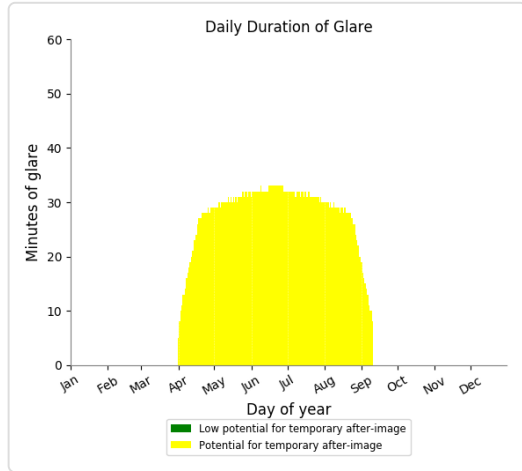
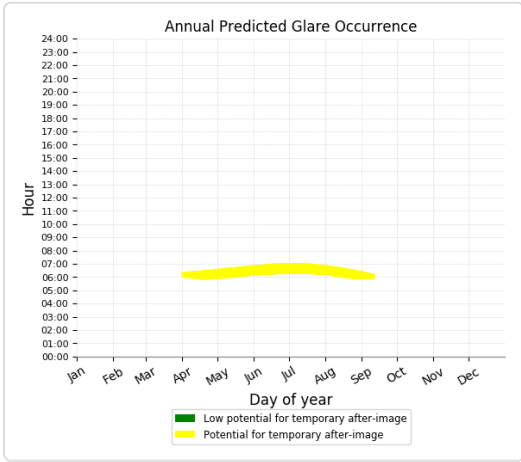
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,828 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 11)

PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 4,522 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 12)

No glare found

Western PV Array - OP Receptor (OP 13)

No glare found

Western PV Array - OP Receptor (OP 14)

No glare found

Western PV Array - OP Receptor (OP 15)

No glare found

Western PV Array - OP Receptor (OP 16)

No glare found

Western PV Array - OP Receptor (OP 17)

No glare found

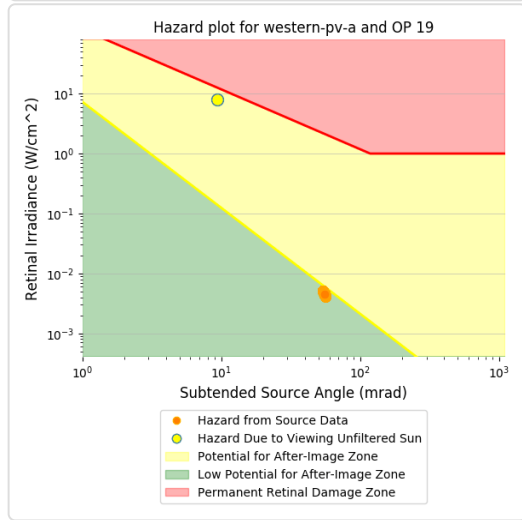
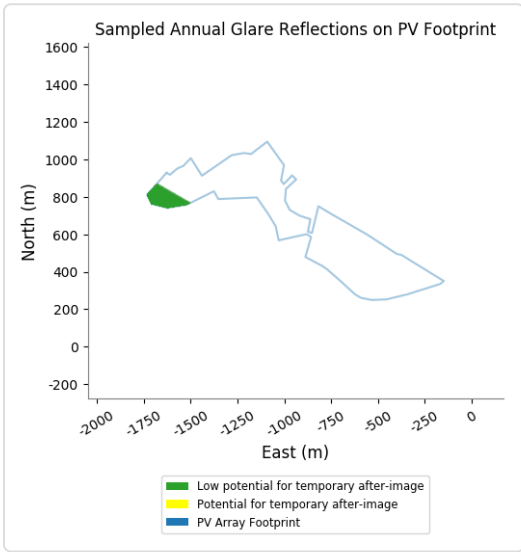
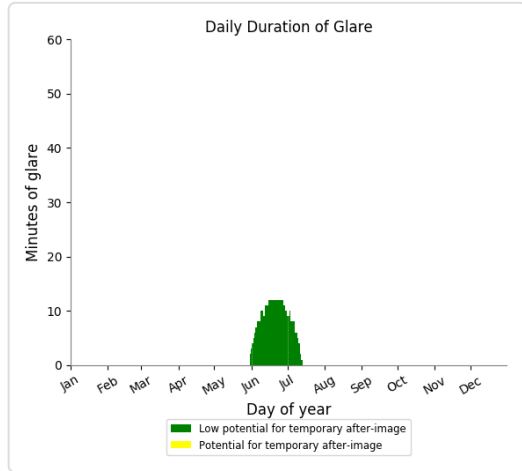
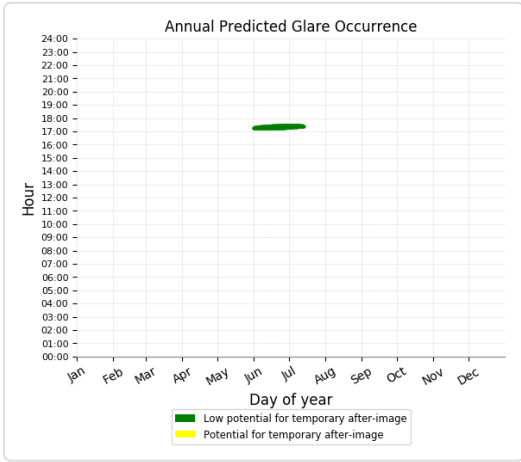
Western PV Array - OP Receptor (OP 18)

No glare found

Western PV Array - OP Receptor (OP 19)

PV array is expected to produce the following glare for receptors at this location:

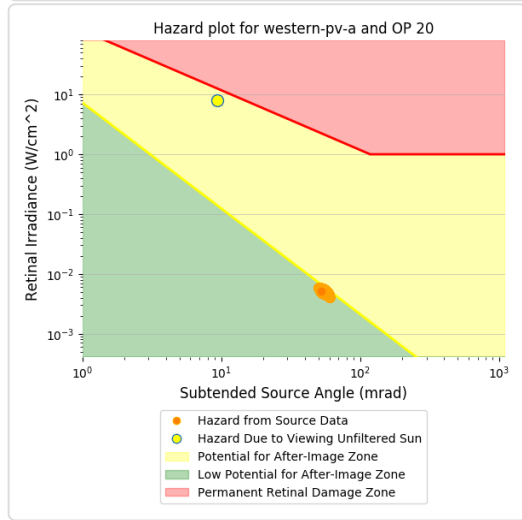
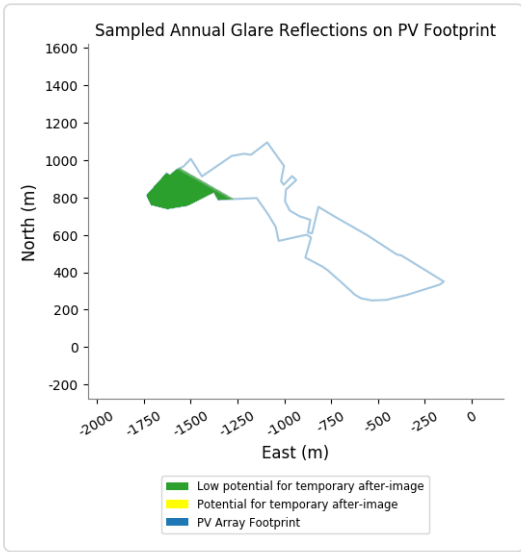
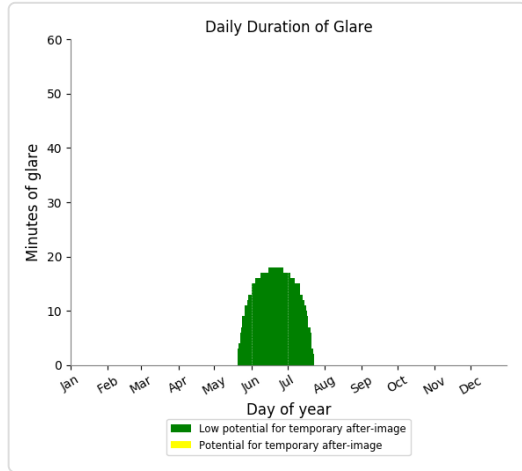
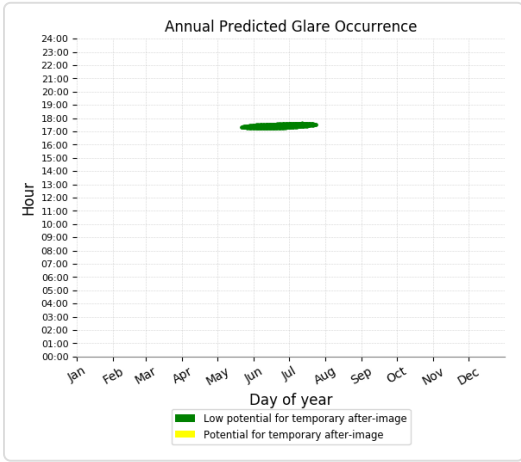
- 382 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 20)

PV array is expected to produce the following glare for receptors at this location:

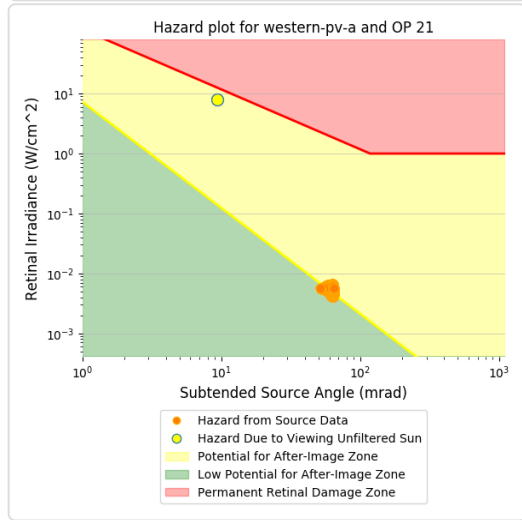
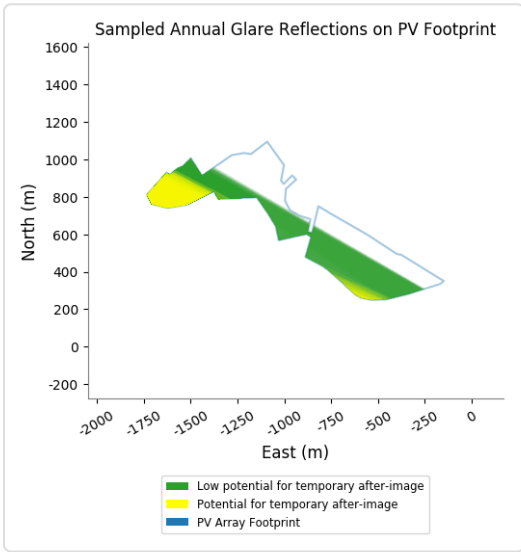
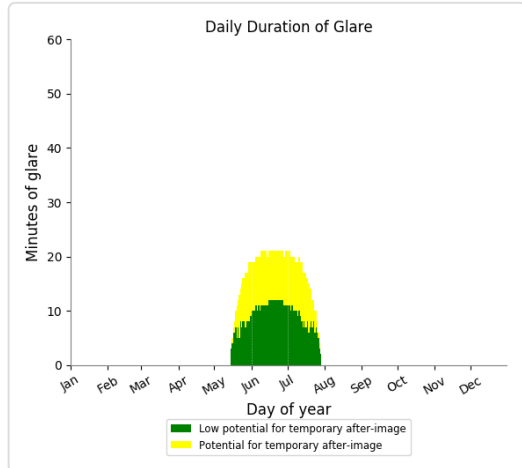
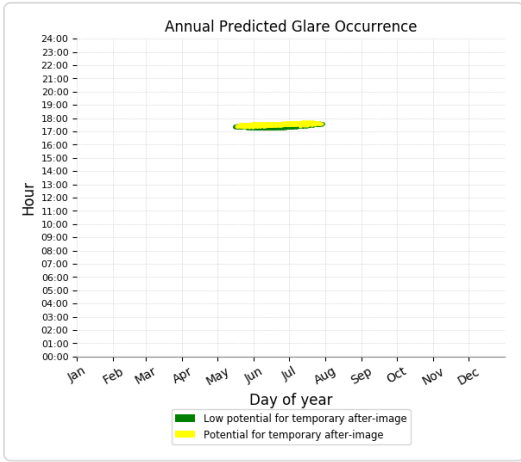
- 886 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 21)

PV array is expected to produce the following glare for receptors at this location:

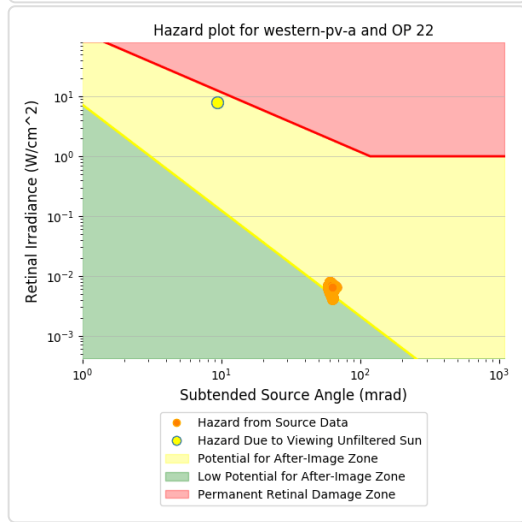
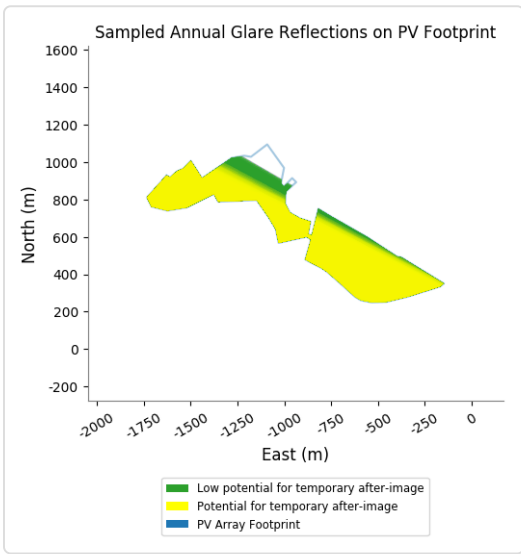
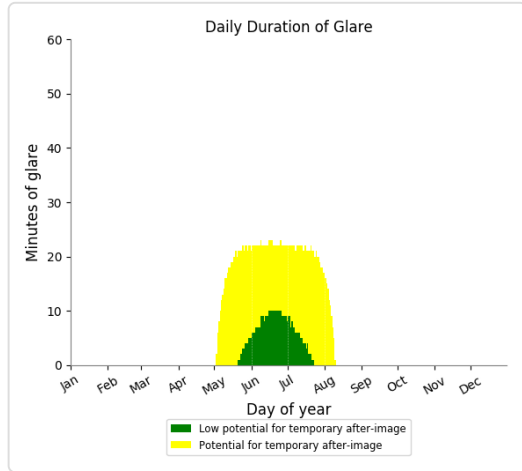
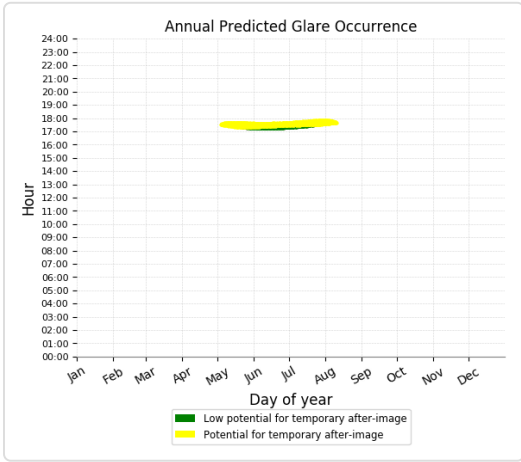
- 681 minutes of "green" glare with low potential to cause temporary after-image.
- 600 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 22)

PV array is expected to produce the following glare for receptors at this location:

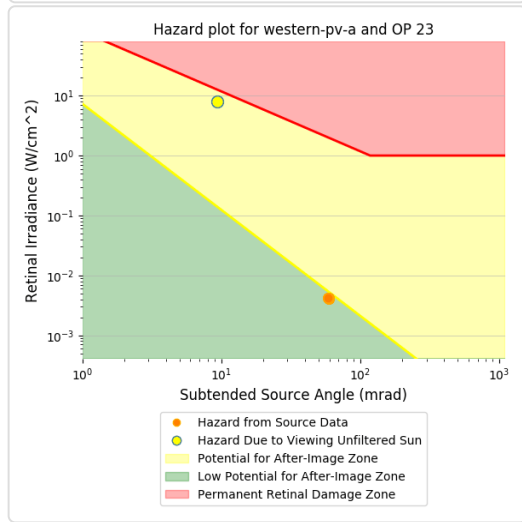
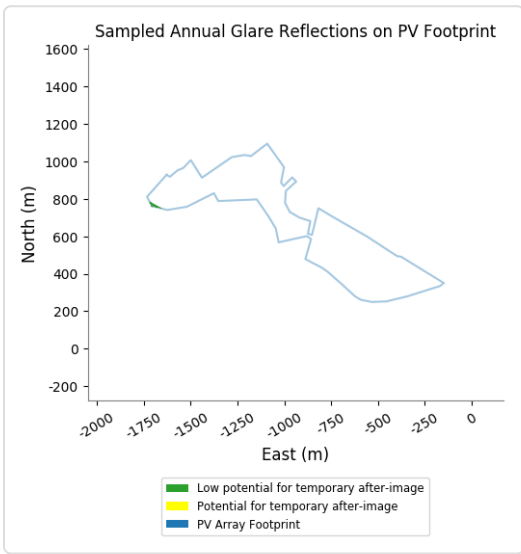
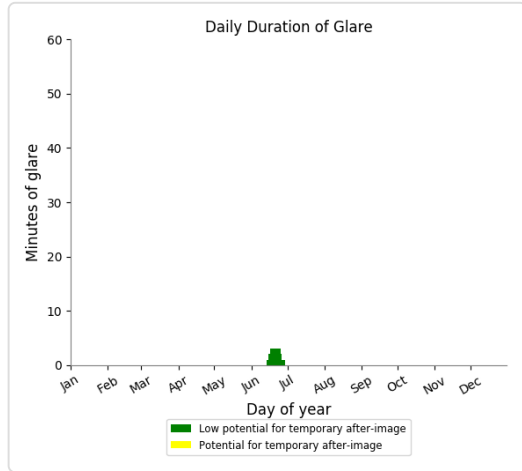
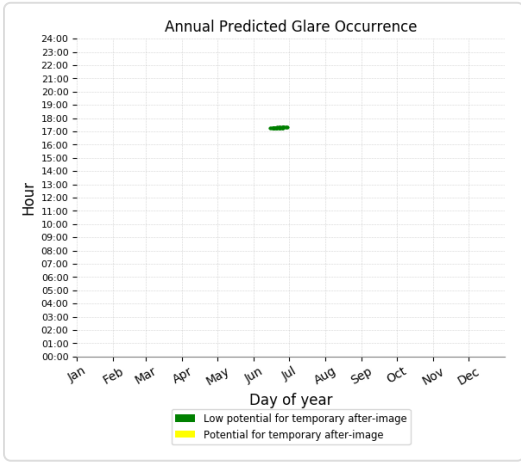
- 409 minutes of "green" glare with low potential to cause temporary after-image.
- 1,518 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 23)

PV array is expected to produce the following glare for receptors at this location:

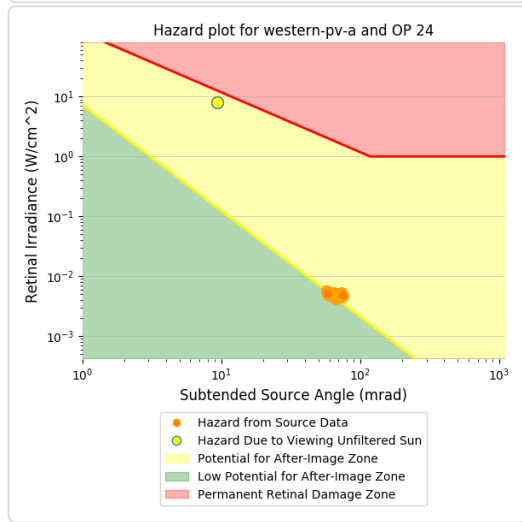
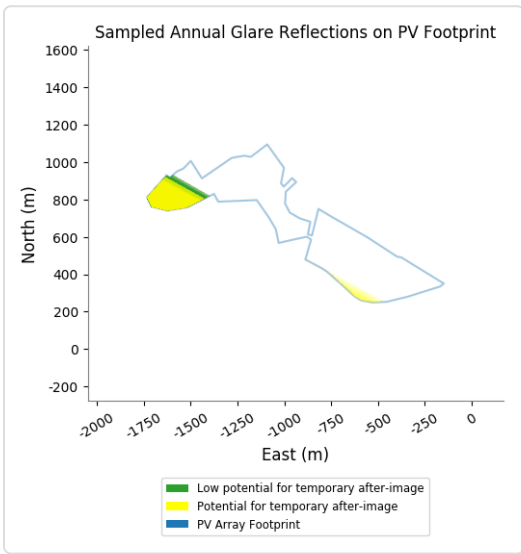
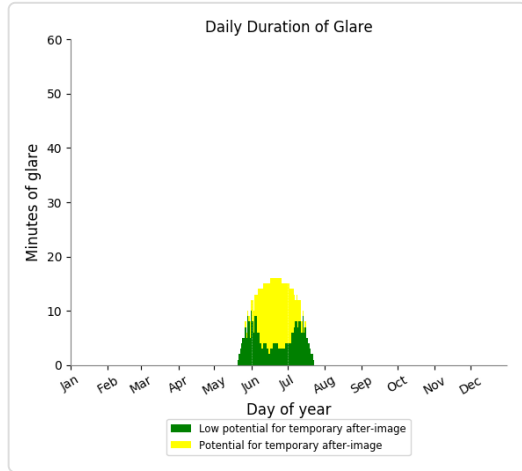
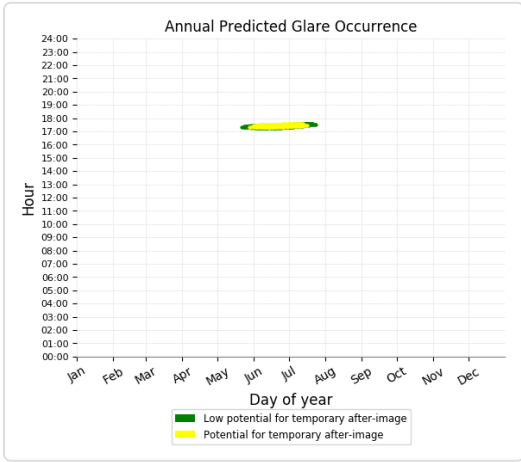
- 36 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 24)

PV array is expected to produce the following glare for receptors at this location:

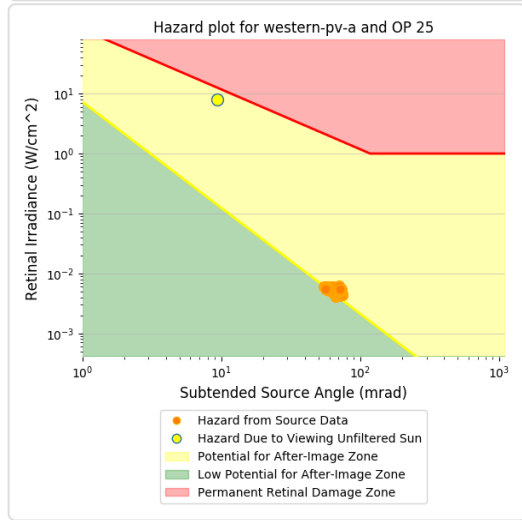
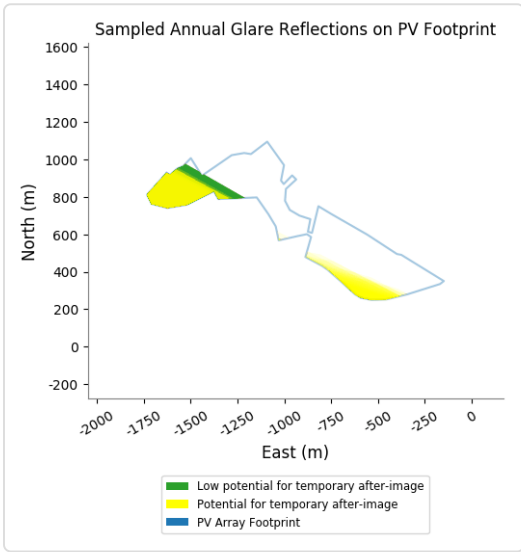
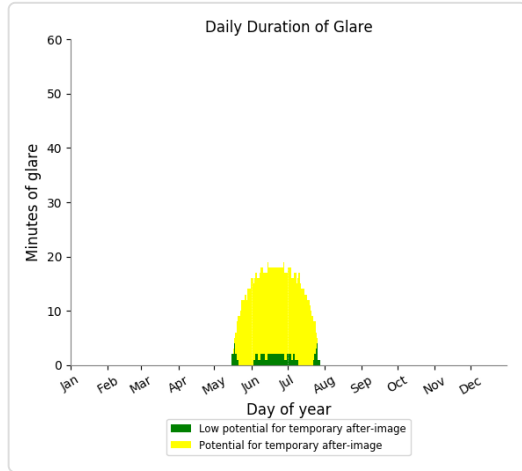
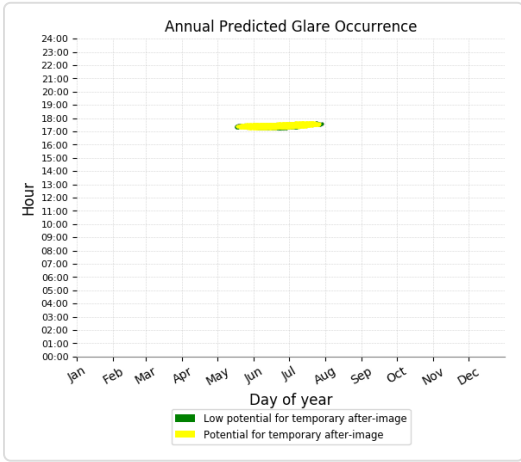
- 311 minutes of "green" glare with low potential to cause temporary after-image.
- 404 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 25)

PV array is expected to produce the following glare for receptors at this location:

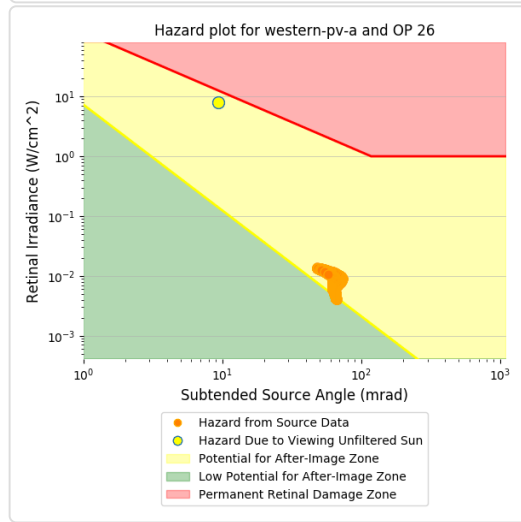
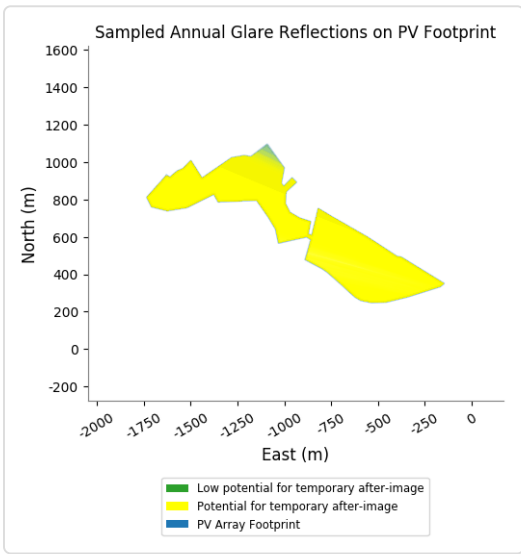
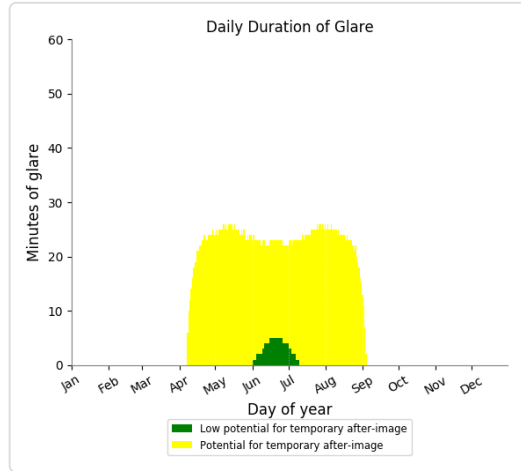
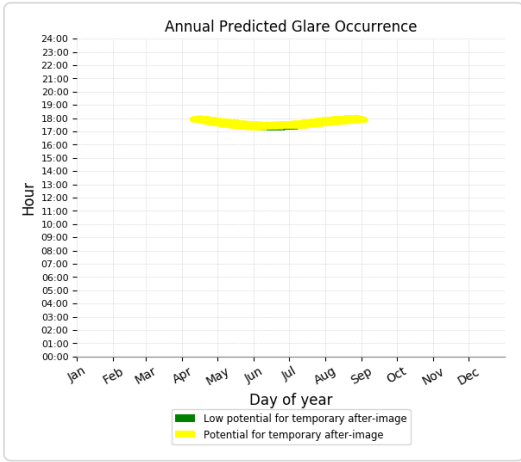
- 88 minutes of "green" glare with low potential to cause temporary after-image.
- 939 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 26)

PV array is expected to produce the following glare for receptors at this location:

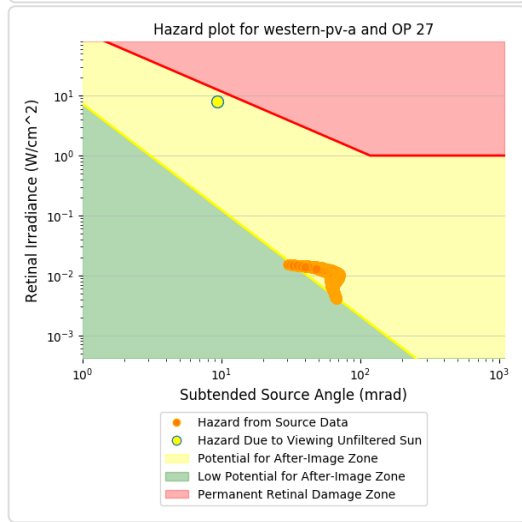
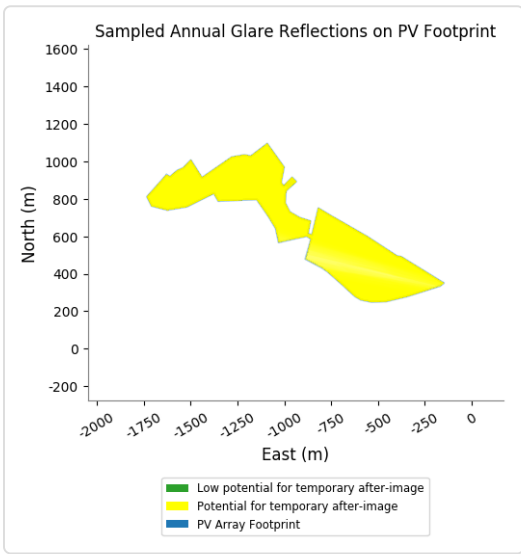
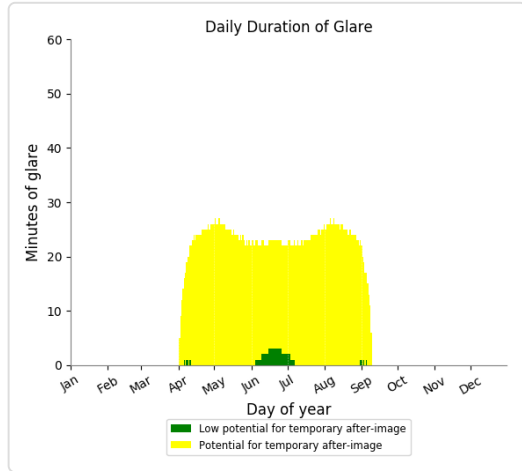
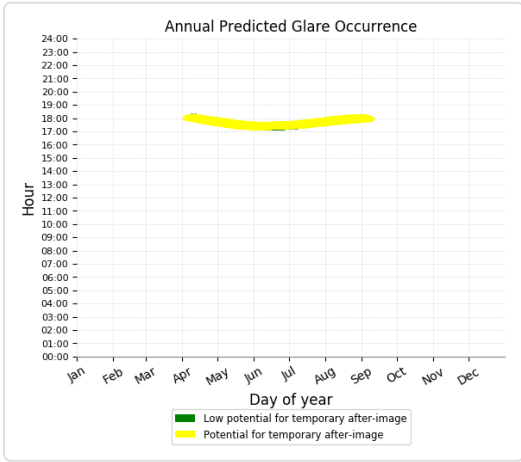
- 128 minutes of "green" glare with low potential to cause temporary after-image.
- 3,276 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 27)

PV array is expected to produce the following glare for receptors at this location:

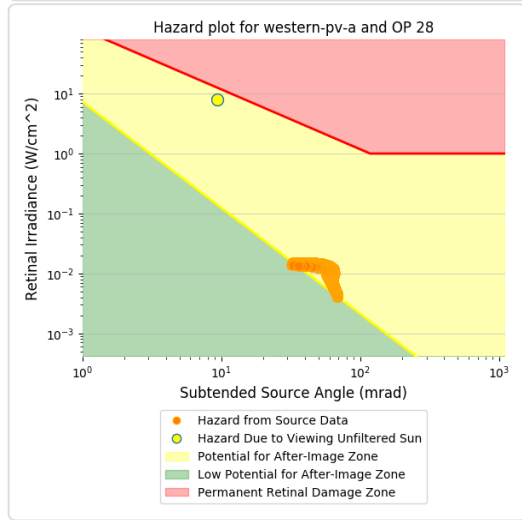
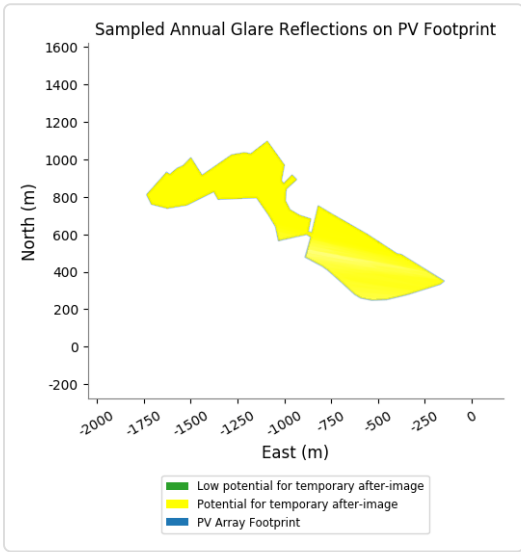
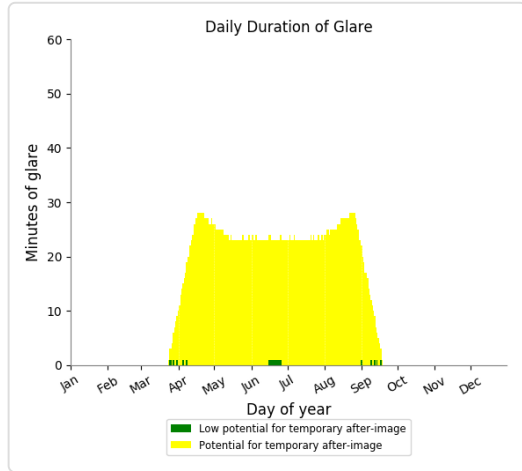
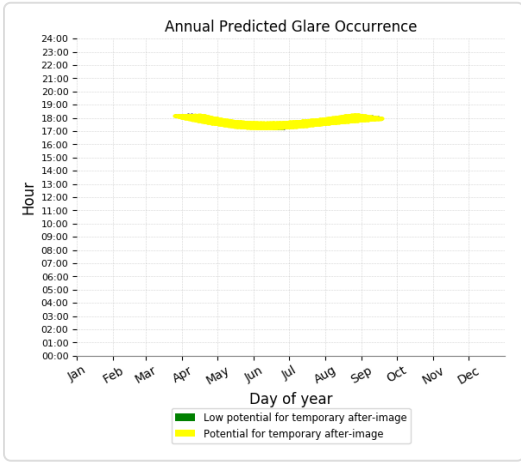
- 76 minutes of "green" glare with low potential to cause temporary after-image.
- 3,617 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 28)

PV array is expected to produce the following glare for receptors at this location:

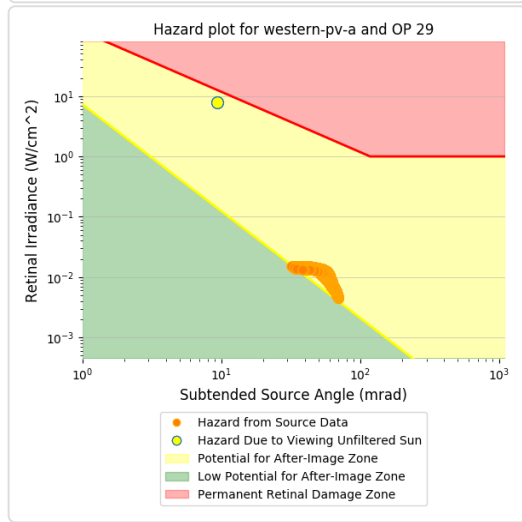
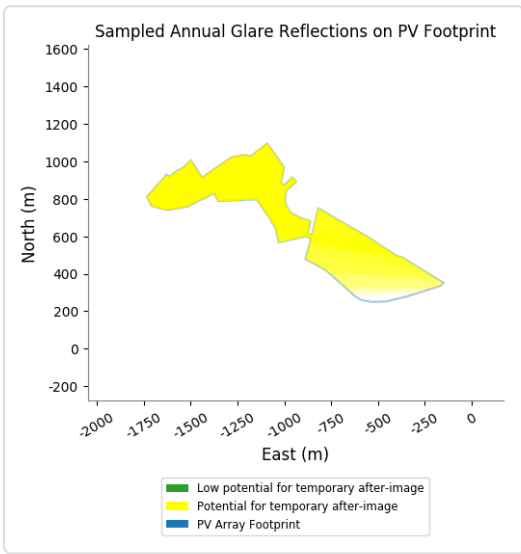
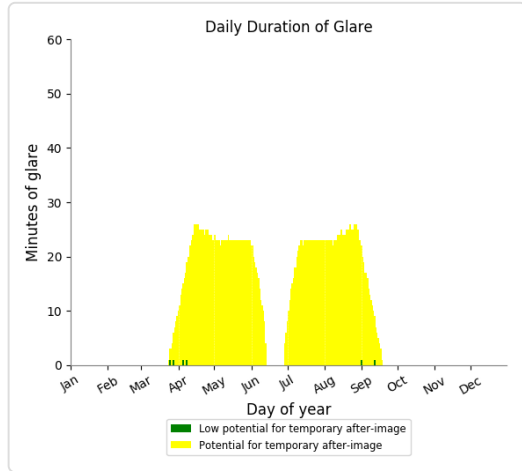
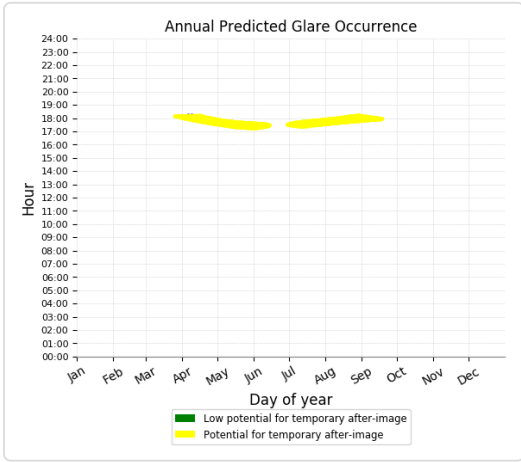
- 22 minutes of "green" glare with low potential to cause temporary after-image.
- 3,866 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 29)

PV array is expected to produce the following glare for receptors at this location:

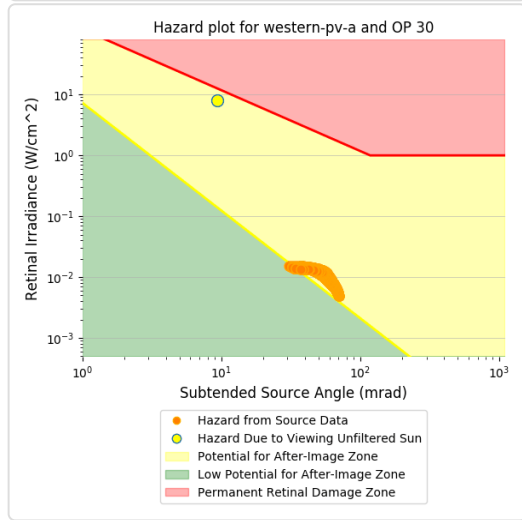
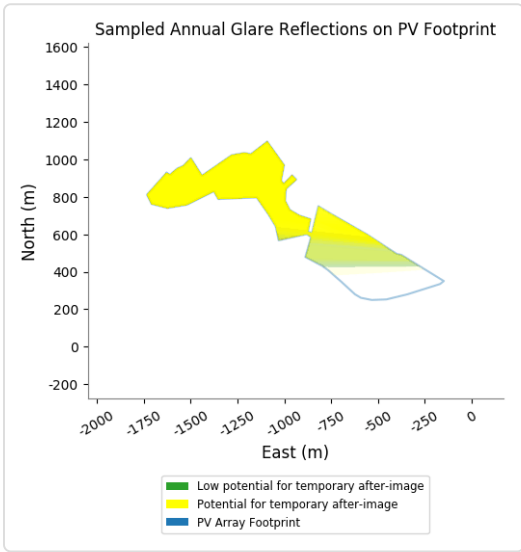
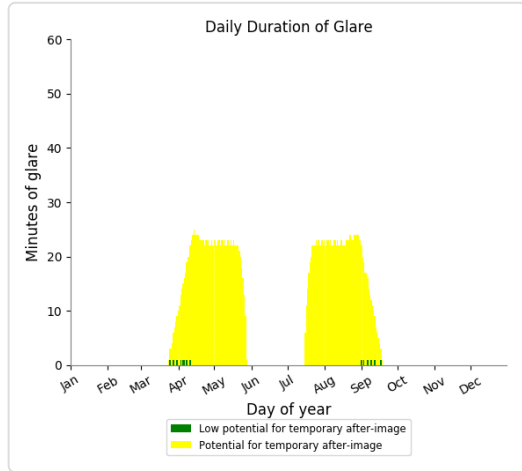
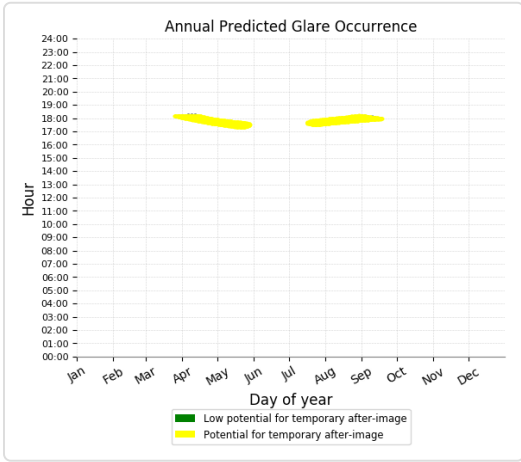
- 6 minutes of "green" glare with low potential to cause temporary after-image.
- 3,187 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 30)

PV array is expected to produce the following glare for receptors at this location:

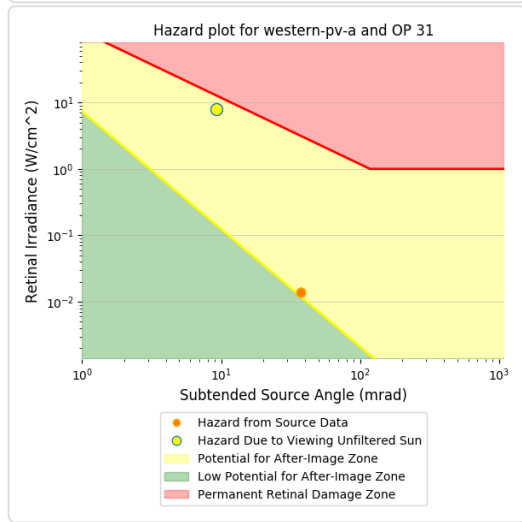
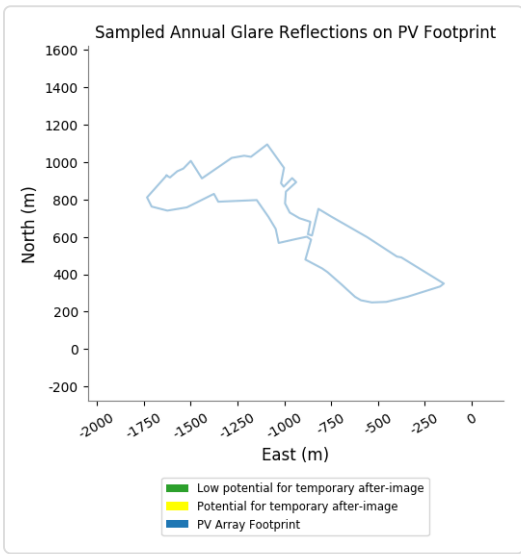
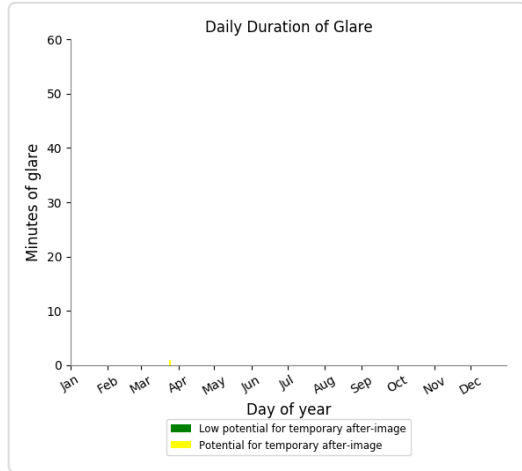
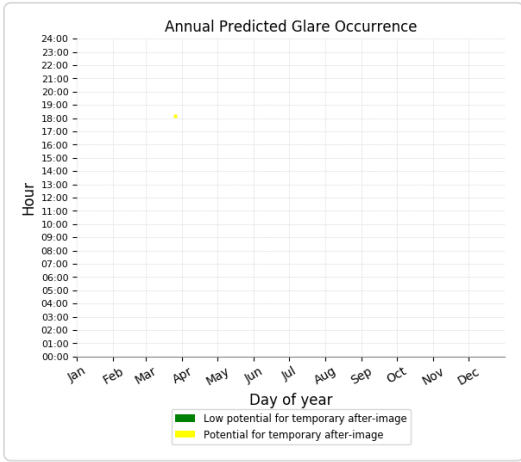
- 14 minutes of "green" glare with low potential to cause temporary after-image.
- 2,440 minutes of "yellow" glare with potential to cause temporary after-image.



Western PV Array - OP Receptor (OP 31)

PV array is expected to produce the following glare for receptors at this location:

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



Western PV Array - OP Receptor (OP 32)

No glare found

Western PV Array - OP Receptor (OP 33)

No glare found

Western PV Array - OP Receptor (OP 34)

No glare found

Western PV Array - OP Receptor (OP 35)

No glare found

Western PV Array - OP Receptor (OP 36)

No glare found

Western PV Array - OP Receptor (OP 37)

No glare found

Western PV Array - OP Receptor (OP 38)

No glare found

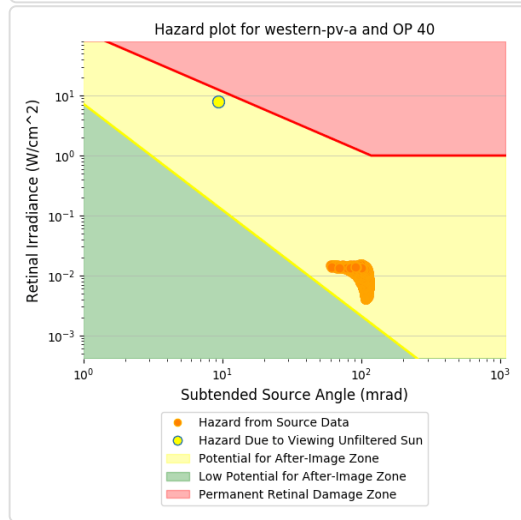
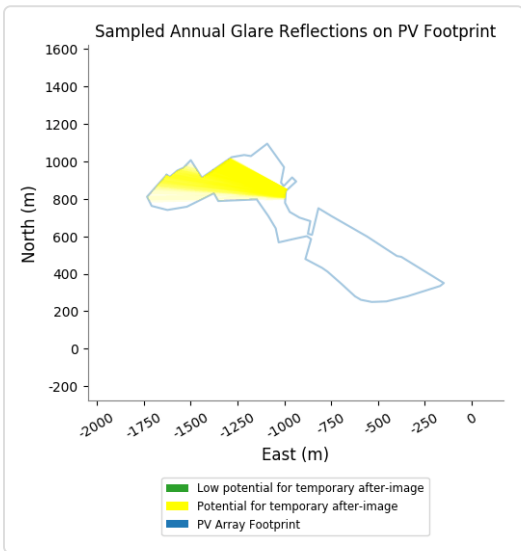
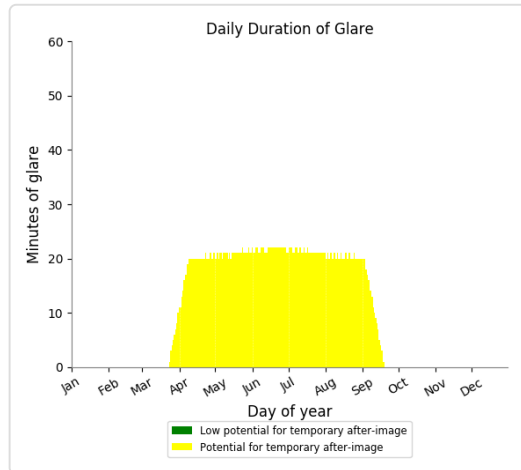
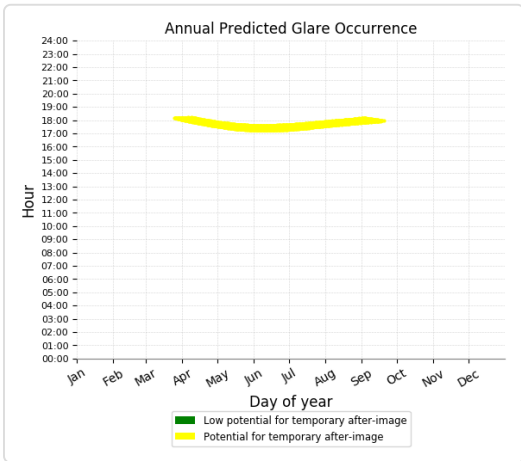
Western PV Array - OP Receptor (OP 39)

No glare found

Western PV Array - OP Receptor (OP 40)

PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,405 minutes of "yellow" glare with potential to cause temporary after-image.



Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions.
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- 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.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.