



Appendix 7C: Residential Receptor Glare Results (40 Deg)





ForgeSolar

Site Configuration: Derrill Water Solar Farm 40 Deg

Project site configuration details and results.



Created **Jan. 28, 2021 1:32 p.m.**
 Updated **Jan. 29, 2021 4:08 a.m.**
 DNI **varies** and peaks at **1,000.0 W/m²**
 Analyze every **1 minute(s)**
0.5 ocular transmission coefficient
0.002 m pupil diameter
0.017 m eye focal length
9.3 mrad sun subtended angle
 Timezone **UTC0**
 Site Configuration ID: 48803.8678

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
PV array 1	40.0	180.0	2,352	45,326	-
PV array 2	40.0	180.0	9,224	27,773	-
PV array 3	40.0	180.0	21,393	24,021	-
PV array 4	40.0	180.0	7,352	102,669	-

Component Data

PV Array(s)

Name: PV array 1
Axis tracking: Fixed (no rotation)
Tilt: 40.0 deg
Orientation: 180.0 deg
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
Approx. area: 104,635 sq-m



Vertex	Latitude deg	Longitude deg	Ground elevation m	Height above ground m	Total elevation m
1	50.797429	-4.419972	109.23	2.80	112.03
2	50.797076	-4.421195	110.38	2.80	113.18
3	50.796263	-4.423405	113.22	2.80	116.02
4	50.795978	-4.423383	111.97	2.80	114.77
5	50.795625	-4.424564	114.77	2.80	117.57
6	50.794866	-4.424006	114.96	2.80	117.76
7	50.794160	-4.425143	117.83	2.80	120.63
8	50.793146	-4.424408	120.28	2.80	123.08
9	50.792180	-4.420680	118.45	2.80	121.25
10	50.792343	-4.419972	119.63	2.80	122.43
11	50.792085	-4.419628	119.51	2.80	122.31
12	50.791814	-4.418770	120.50	2.80	123.30
13	50.792004	-4.417504	122.88	2.80	125.68
14	50.793075	-4.418770	119.76	2.80	122.56
15	50.792492	-4.420186	119.57	2.80	122.37
16	50.793794	-4.421881	118.48	2.80	121.28
17	50.794906	-4.422718	116.38	2.80	119.18
18	50.795476	-4.421517	115.69	2.80	118.49
19	50.795788	-4.422353	112.48	2.80	115.28
20	50.796819	-4.419628	109.12	2.80	111.92

Name: PV array 2
Axis tracking: Fixed (no rotation)
Tilt: 40.0 deg
Orientation: 180.0 deg
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
Approx. area: 123,469 sq-m



Vertex	Latitude deg	Longitude deg	Ground elevation m	Height above ground m	Total elevation m
1	50.793017	-4.424714	121.10	2.80	123.90
2	50.792088	-4.424113	118.62	2.80	121.42
3	50.790324	-4.422901	114.55	2.80	117.35
4	50.789938	-4.424167	114.47	2.80	117.27
5	50.789314	-4.425604	114.51	2.80	117.31
6	50.788479	-4.424853	109.52	2.80	112.32
7	50.787530	-4.424810	113.00	2.80	115.80
8	50.786248	-4.424177	123.13	2.80	125.93
9	50.785855	-4.423362	123.52	2.80	126.32
10	50.785536	-4.422139	122.27	2.80	125.07
11	50.786953	-4.421291	114.55	2.80	117.35
12	50.787082	-4.421903	114.94	2.80	117.74
13	50.787367	-4.422407	114.49	2.80	117.29
14	50.788032	-4.422729	110.30	2.80	113.10
15	50.788771	-4.422418	107.16	2.80	109.96
16	50.790087	-4.423705	112.58	2.80	115.38
17	50.790162	-4.423008	113.20	2.80	116.00
18	50.788954	-4.422257	106.46	2.80	109.26
19	50.788839	-4.421012	104.92	2.80	107.72
20	50.789212	-4.420455	106.94	2.80	109.74
21	50.790148	-4.421109	111.73	2.80	114.53
22	50.790243	-4.421710	112.87	2.80	115.67
23	50.790840	-4.422182	117.46	2.80	120.26
24	50.791206	-4.421967	117.58	2.80	120.38
25	50.791776	-4.422613	117.19	2.80	119.99
26	50.792284	-4.421905	118.75	2.80	121.55

Name: PV array 3
Axis tracking: Fixed (no rotation)
Tilt: 40.0 deg
Orientation: 180.0 deg
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
Approx. area: 55,593 sq-m



Vertex	Latitude deg	Longitude deg	Ground elevation m	Height above ground m	Total elevation m
1	50.795143	-4.415966	111.26	2.80	114.06
2	50.794139	-4.415215	114.25	2.80	117.05
3	50.794166	-4.414808	112.87	2.80	115.67
4	50.792877	-4.413542	118.54	2.80	121.34
5	50.793366	-4.411214	105.72	2.80	108.52
6	50.793434	-4.410935	103.79	2.80	106.59
7	50.794105	-4.410677	100.41	2.80	103.21
8	50.794641	-4.411374	101.20	2.80	104.00
9	50.794824	-4.411385	101.61	2.80	104.41
10	50.795122	-4.411825	102.45	2.80	105.25
11	50.795109	-4.412179	104.62	2.80	107.42
12	50.794620	-4.413220	106.82	2.80	109.62
13	50.794973	-4.413949	109.04	2.80	111.84
14	50.795163	-4.415054	109.12	2.80	111.92

Name: PV array 4
Axis tracking: Fixed (no rotation)
Tilt: 40.0 deg
Orientation: 180.0 deg
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
Approx. area: 228,907 sq-m




Vertex	Latitude deg	Longitude deg	Ground elevation m	Height above ground m	Total elevation m
1	50.793275	-4.410921	104.89	2.80	107.69
2	50.792597	-4.414462	121.95	2.80	124.75
3	50.791708	-4.413743	115.50	2.80	118.30
4	50.791152	-4.415556	117.59	2.80	120.39
5	50.790135	-4.417681	114.28	2.80	117.08
6	50.789339	-4.416457	110.99	2.80	113.79
7	50.787651	-4.415782	110.89	2.80	113.69
8	50.787311	-4.416683	109.86	2.80	112.66
9	50.786911	-4.417101	104.28	2.80	107.08
10	50.786592	-4.416597	101.77	2.80	104.57
11	50.786185	-4.416425	101.10	2.80	103.90
12	50.784273	-4.419344	115.39	2.80	118.19
13	50.783689	-4.418839	119.07	2.80	121.87
14	50.784605	-4.416329	111.10	2.80	113.90
15	50.784971	-4.413958	103.21	2.80	106.01
16	50.785358	-4.413089	97.54	2.80	100.34
17	50.786660	-4.414333	97.45	2.80	100.25
18	50.786796	-4.413925	97.08	2.80	99.88
19	50.787773	-4.413389	97.50	2.80	100.30
20	50.788580	-4.413507	99.59	2.80	102.39
21	50.790804	-4.411764	104.92	2.80	107.72
22	50.791759	-4.411405	104.86	2.80	107.66
23	50.791979	-4.411502	105.72	2.80	108.52
24	50.792118	-4.411298	105.52	2.80	108.32

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	m	m	m
OP 1	50.795357	-4.435313	123.90	2.00	125.90
OP 2	50.792550	-4.435818	119.91	2.00	121.91
OP 3	50.792530	-4.434755	120.44	2.00	122.44
OP 4	50.791974	-4.431859	122.52	2.00	124.52
OP 5	50.791323	-4.430131	122.47	2.00	124.47
OP 6	50.792503	-4.428965	122.39	2.00	124.39
OP 7	50.793113	-4.427249	121.13	2.00	123.13
OP 8	50.793099	-4.426279	122.46	2.00	124.46
OP 9	50.791095	-4.431820	120.52	2.00	122.52
OP 10	50.790461	-4.431520	120.77	2.00	122.77
OP 11	50.789986	-4.431798	118.76	2.00	120.76
OP 12	50.786008	-4.436659	124.88	2.00	126.88
OP 13	50.785353	-4.438331	126.47	2.00	128.47
OP 14	50.783927	-4.433477	129.33	2.00	131.33
OP 15	50.780381	-4.434687	129.91	2.00	131.91
OP 16	50.780255	-4.433117	131.78	2.00	133.78
OP 17	50.782768	-4.426471	133.79	2.00	135.79
OP 18	50.782568	-4.426149	132.82	2.00	134.82
OP 19	50.782117	-4.423108	124.67	2.00	126.67
OP 20	50.781463	-4.424975	129.54	2.00	131.54
OP 21	50.782753	-4.414498	102.52	2.00	104.52
OP 22	50.782646	-4.414997	104.86	2.00	106.86
OP 23	50.783169	-4.414624	105.79	2.00	107.79
OP 24	50.783586	-4.415029	109.49	2.00	111.49
OP 25	50.781390	-4.405301	123.59	2.00	125.59
OP 26	50.781150	-4.405070	120.95	2.00	122.95
OP 27	50.781351	-4.404375	121.80	2.00	123.80
OP 28	50.781548	-4.404188	124.26	2.00	126.26
OP 29	50.781841	-4.403901	124.62	2.00	126.62
OP 30	50.782142	-4.403791	126.41	2.00	128.41
OP 31	50.783693	-4.400170	125.06	2.00	127.06
OP 32	50.784035	-4.399370	125.46	2.00	127.46
OP 33	50.788166	-4.406510	111.21	2.00	113.21
OP 34	50.788404	-4.406757	112.31	2.00	114.31
OP 35	50.794278	-4.398003	131.39	2.00	133.39
OP 36	50.798774	-4.398647	140.98	2.00	142.98
OP 37	50.801268	-4.407179	125.76	2.00	127.76
OP 38	50.793359	-4.417654	119.09	2.00	121.09
OP 39	50.793515	-4.417936	118.06	2.00	120.06
OP 40	50.793791	-4.417778	118.55	2.00	120.55
OP 41	50.792418	-4.415943	123.54	2.00	125.54
OP 42	50.791242	-4.419860	120.24	2.00	122.24
OP 43	50.790775	-4.420383	117.60	2.00	119.60
OP 44	50.787947	-4.421177	111.03	2.00	113.03
OP 45	50.799832	-4.429250	137.37	2.00	139.37
OP 46	50.799730	-4.429465	136.70	2.00	138.70
OP 47	50.799598	-4.429792	136.94	2.00	138.94
OP 48	50.799476	-4.430082	137.18	2.00	139.18
OP 49	50.799462	-4.430323	137.53	2.00	139.53
OP 50	50.799374	-4.430779	136.47	2.00	138.47

PV Array Results

Summary of PV Glare Analysis PV configuration and predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File 
	deg	deg	min	min	kWh	
PV array 1	40.0	180.0	2,352	45,326	-	-
PV array 2	40.0	180.0	9,224	27,773	-	-
PV array 3	40.0	180.0	21,393	24,021	-	-
PV array 4	40.0	180.0	7,352	102,669	-	-

Click the name of the PV array to scroll to its results

PV & Receptor Analysis Results detailed results for each PV array and receptor

PV array 1 potential temporary after-image



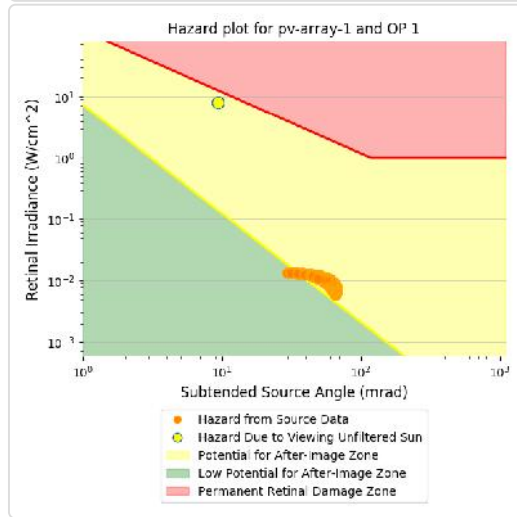
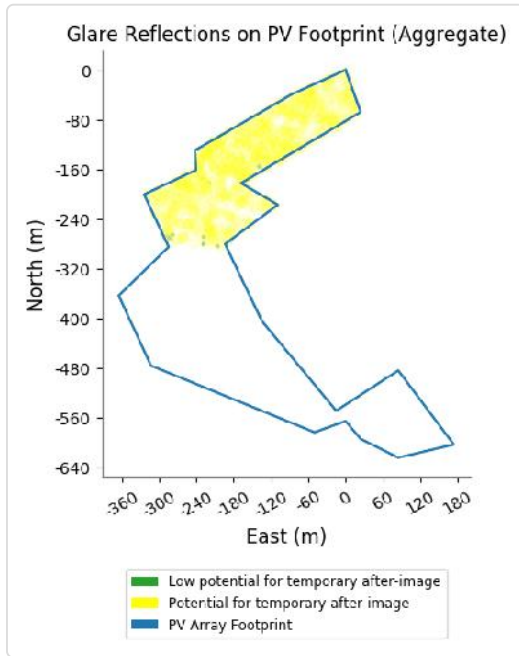
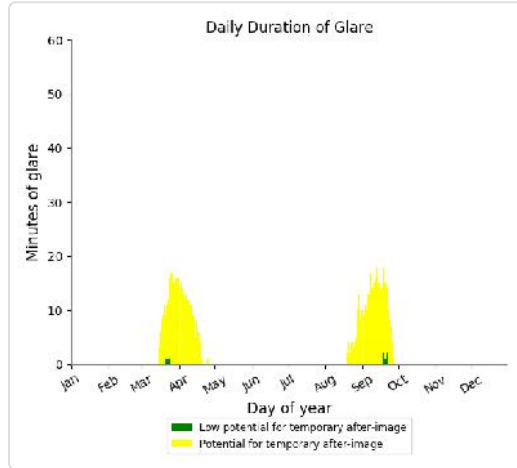
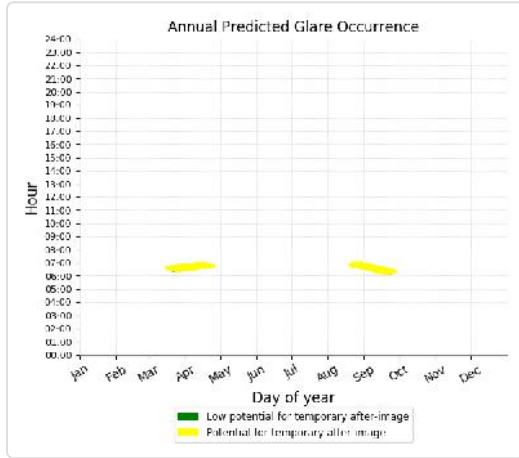
Component	Green glare (min)	Yellow glare (min)
OP: OP 1	11	800
OP: OP 2	263	1055
OP: OP 3	360	1408
OP: OP 4	222	2844
OP: OP 5	51	2686
OP: OP 6	3	4186
OP: OP 7	0	4999
OP: OP 8	235	6370
OP: OP 9	140	1805
OP: OP 10	113	1067
OP: OP 11	40	200
OP: OP 12	93	0
OP: OP 13	96	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0

OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	13	0
OP: OP 33	105	840
OP: OP 34	97	890
OP: OP 35	383	87
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	3517
OP: OP 39	0	3517
OP: OP 40	0	3565
OP: OP 41	127	4449
OP: OP 42	0	1041
OP: OP 43	0	0
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0

PV array 1 - OP Receptor (OP 1)

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

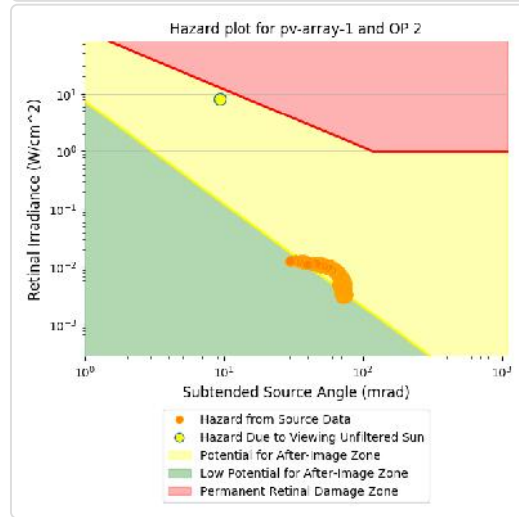
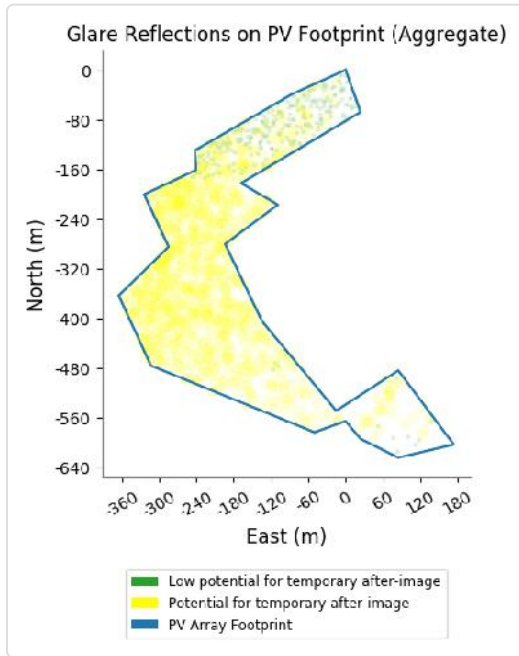
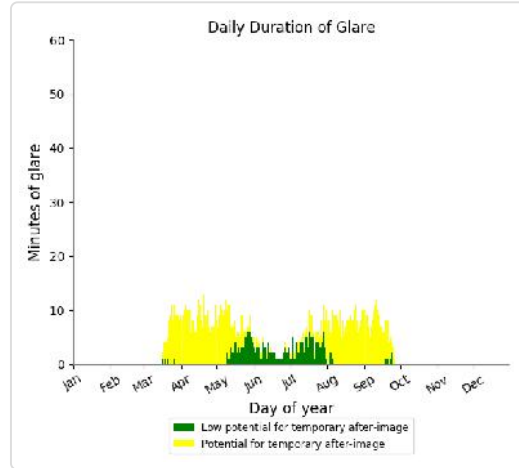
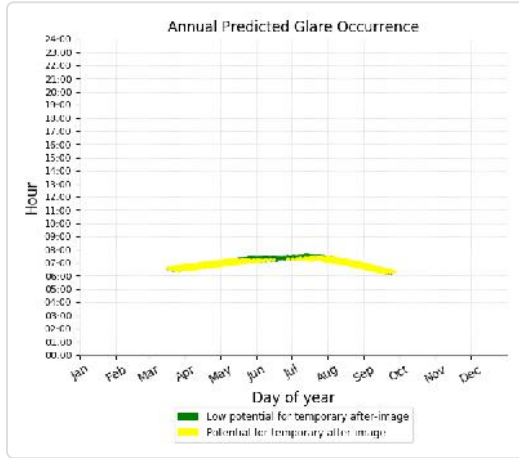
- 11 minutes of "green" glare with low potential to cause temporary after-image.
- 800 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 2)

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

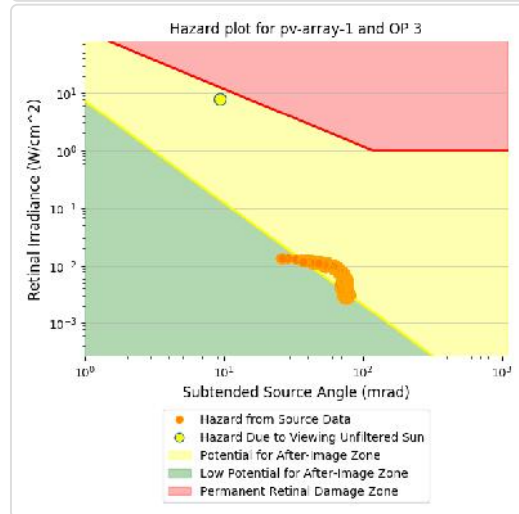
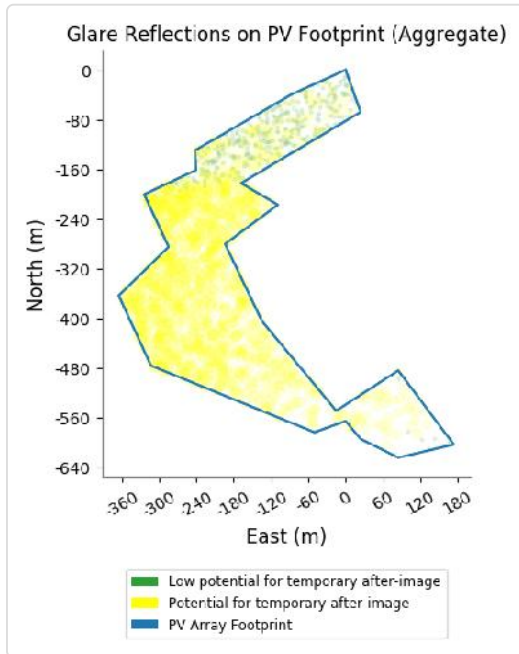
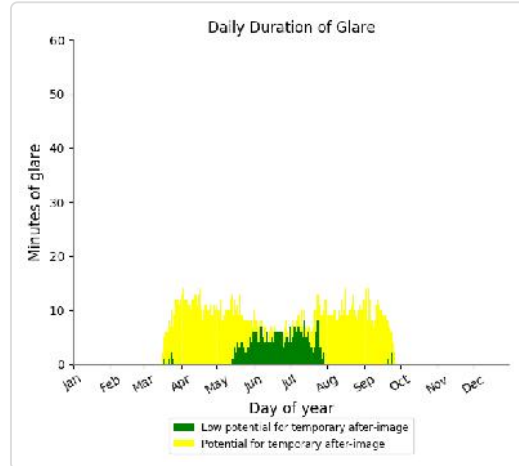
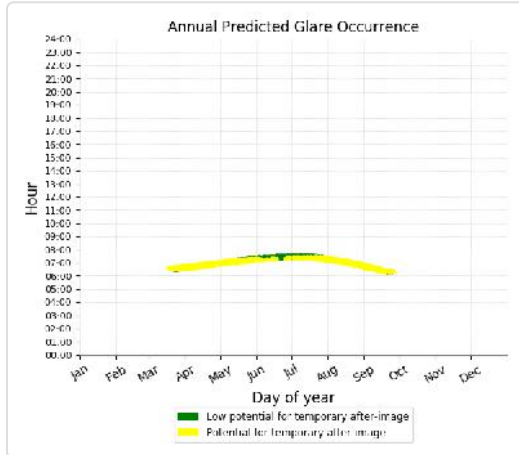
- 263 minutes of "green" glare with low potential to cause temporary after-image.
- 1,055 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 3)

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

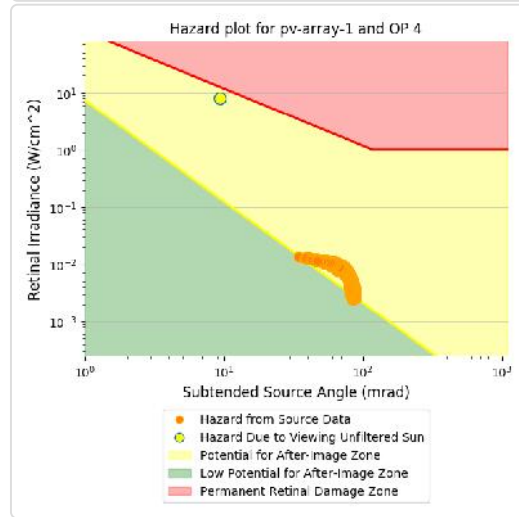
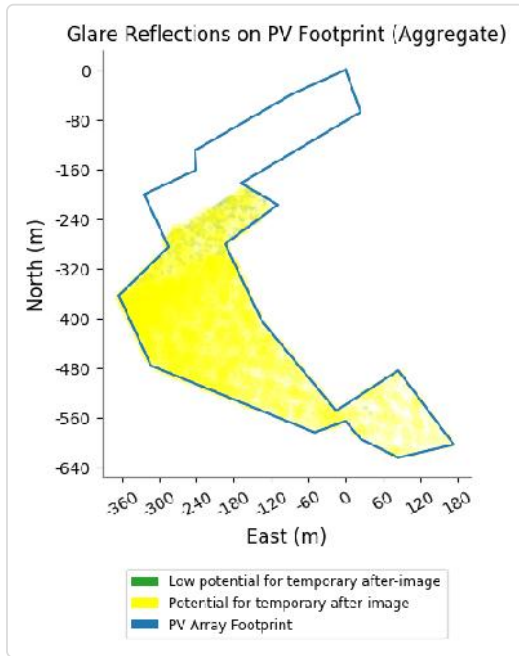
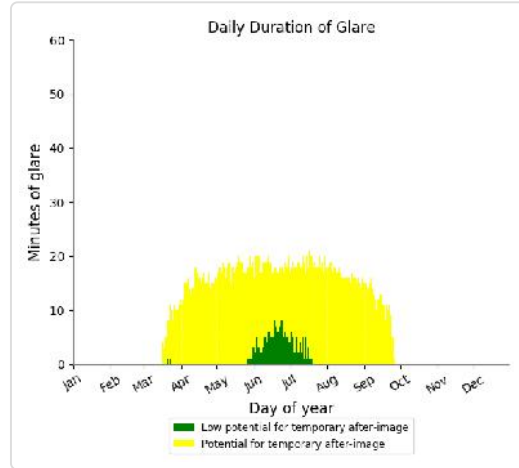
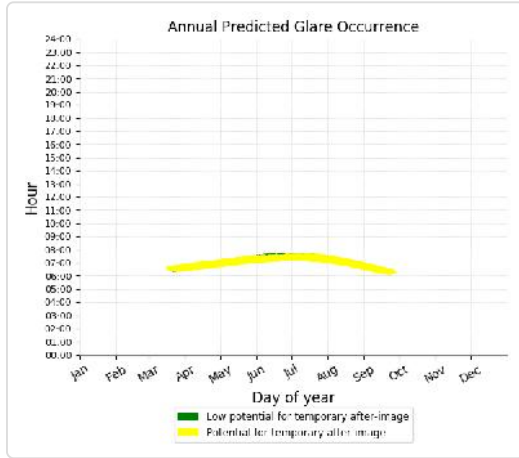
- 360 minutes of "green" glare with low potential to cause temporary after-image.
- 1,408 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 4)

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

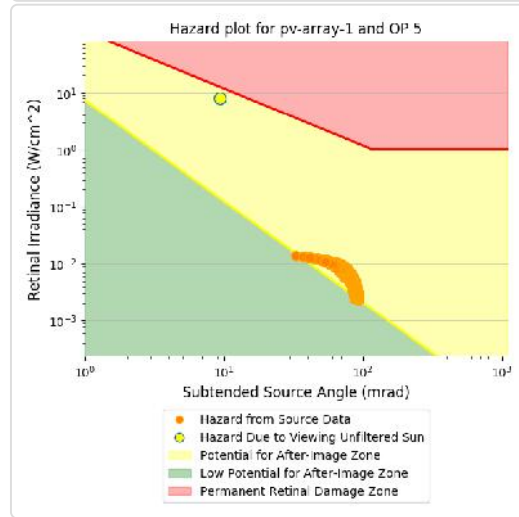
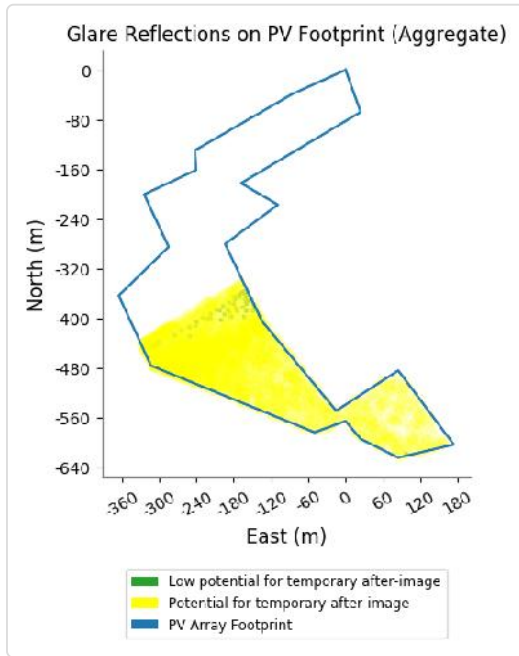
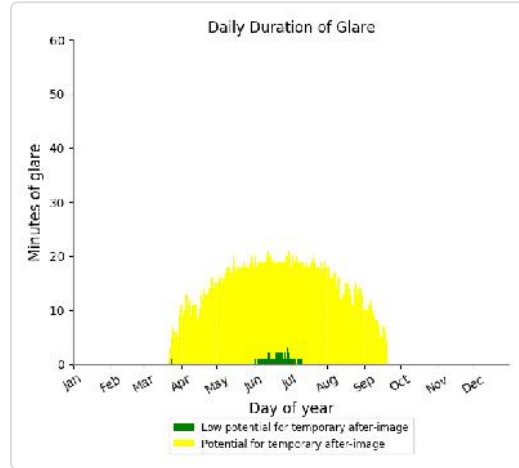
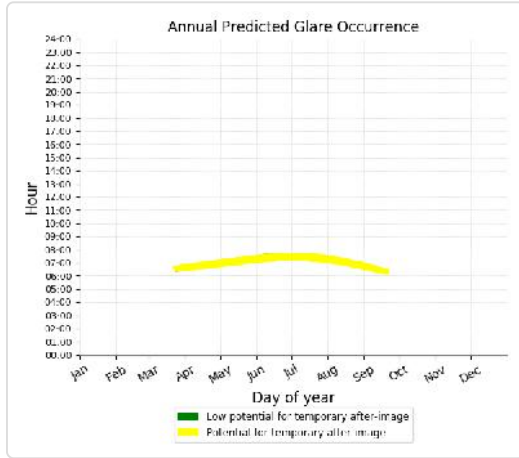
- 222 minutes of "green" glare with low potential to cause temporary after-image.
- 2,844 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 5)

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

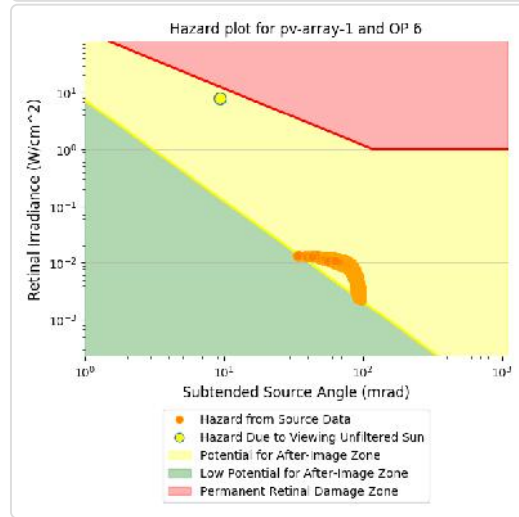
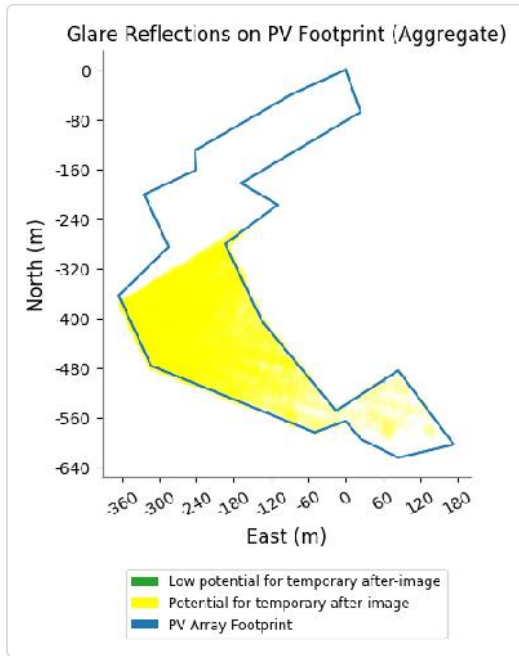
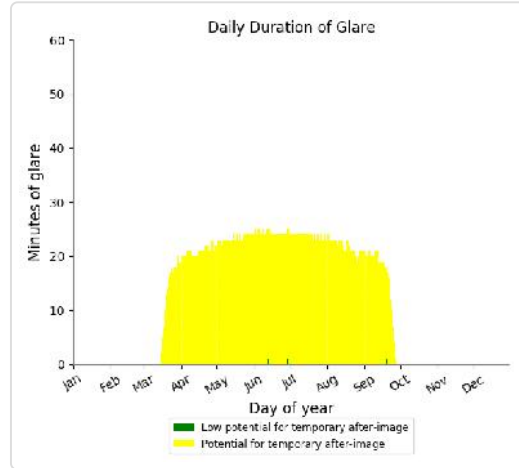
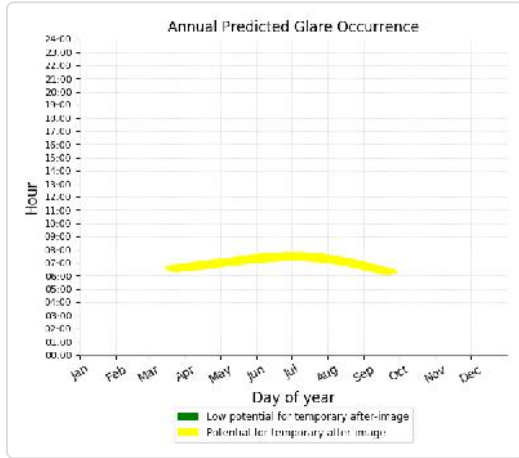
- 51 minutes of "green" glare with low potential to cause temporary after-image.
- 2,686 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 6)

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

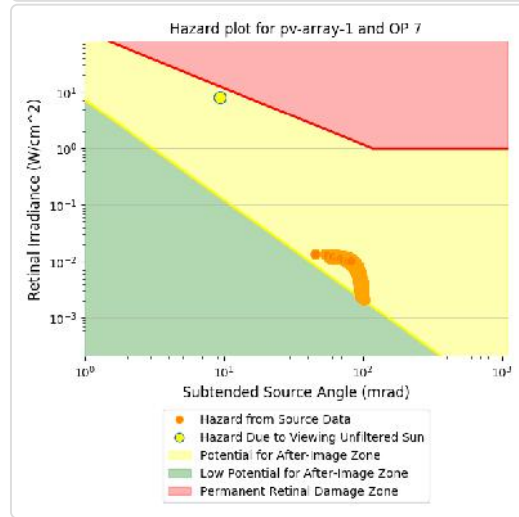
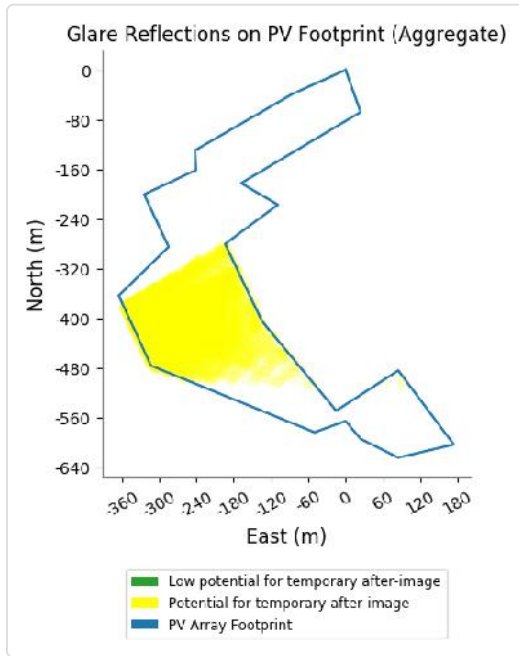
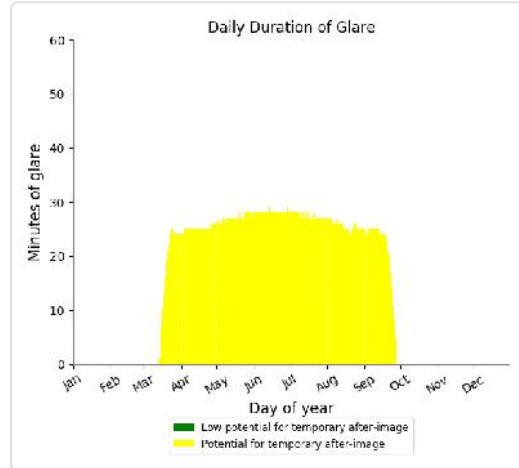
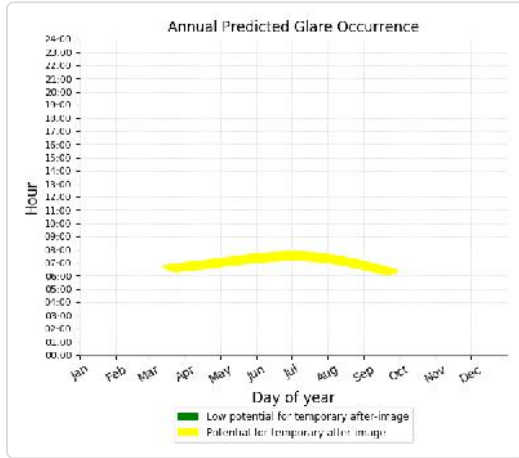
- 3 minutes of "green" glare with low potential to cause temporary after-image.
- 4,186 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 7)

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

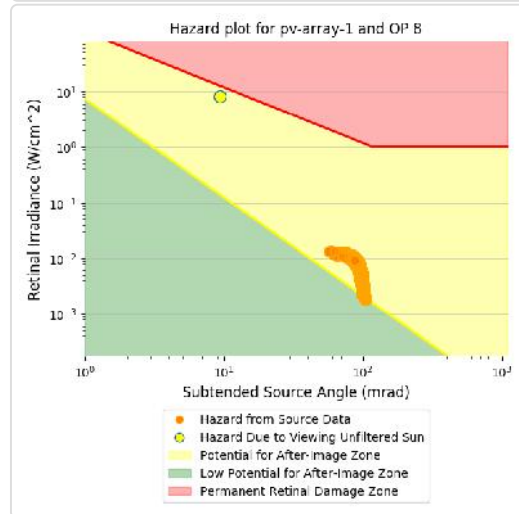
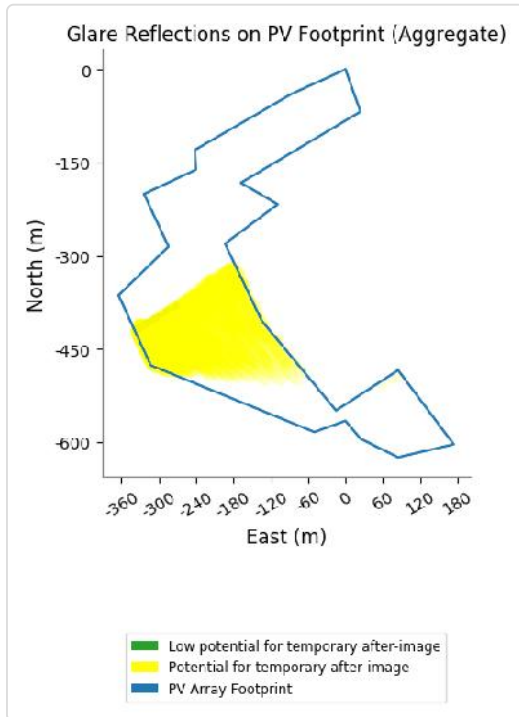
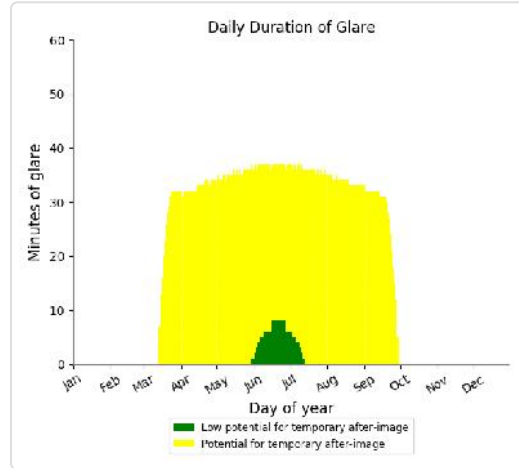
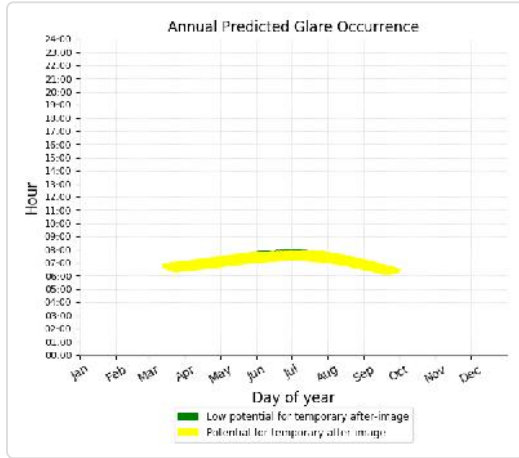
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 4,999 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 8)

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

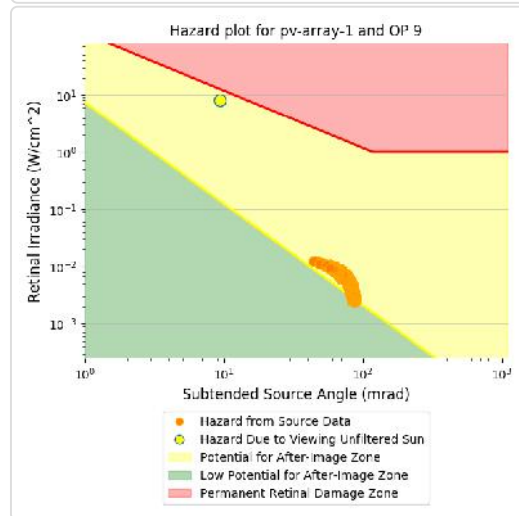
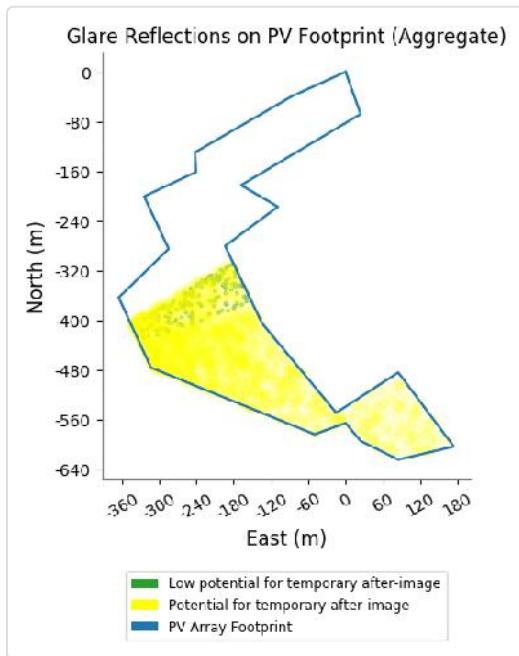
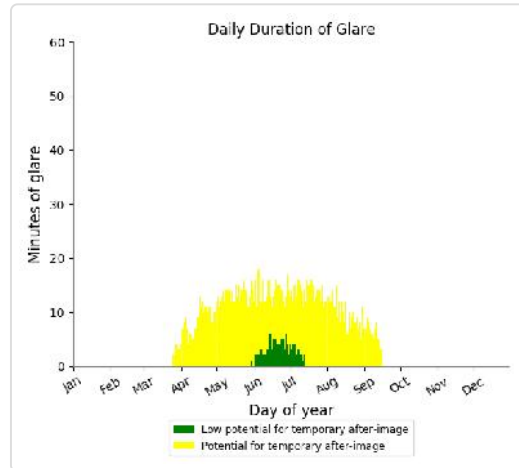
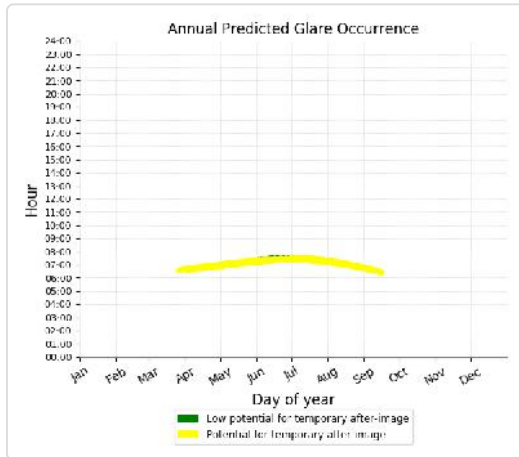
- 235 minutes of "green" glare with low potential to cause temporary after-image.
- 6,370 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 9)

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

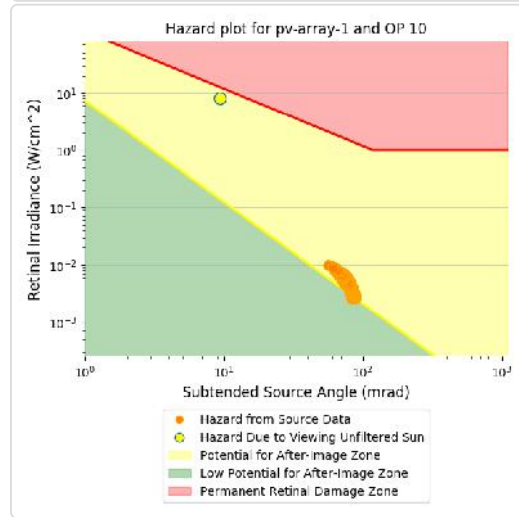
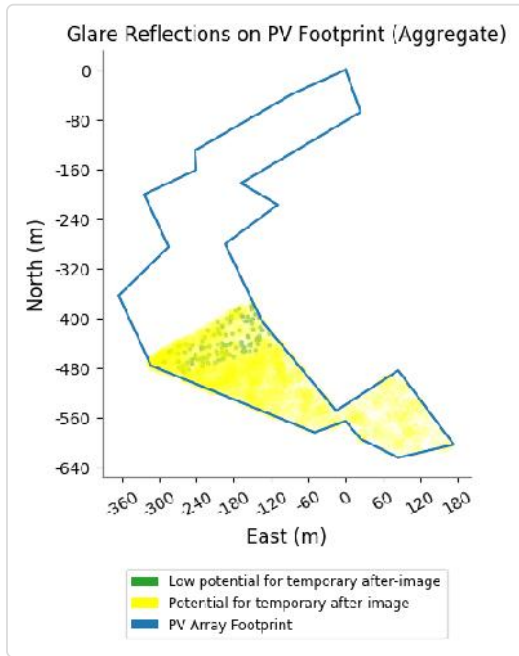
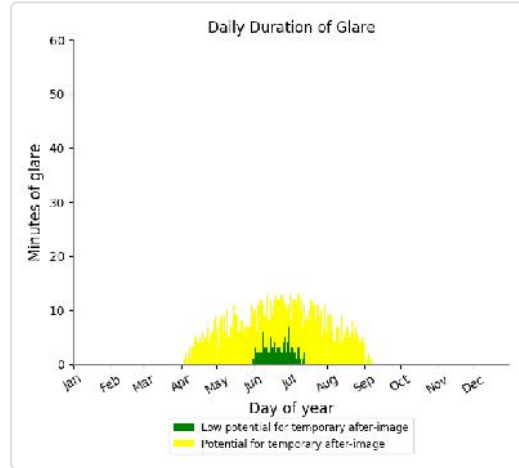
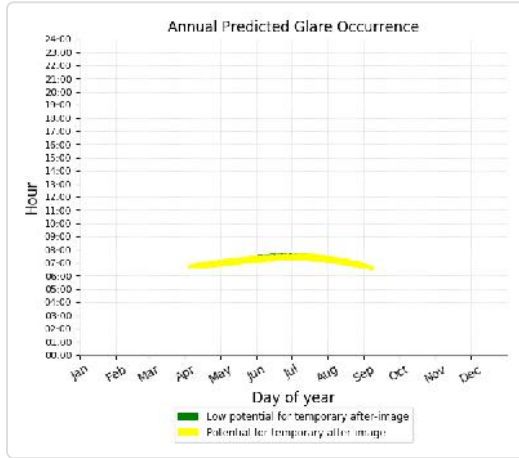
- 140 minutes of "green" glare with low potential to cause temporary after-image.
- 1,805 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 10)

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

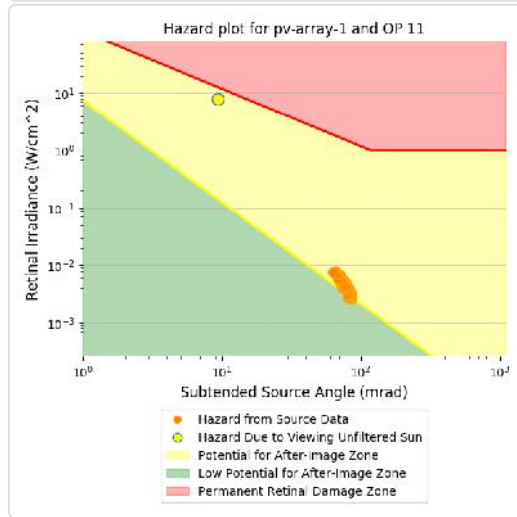
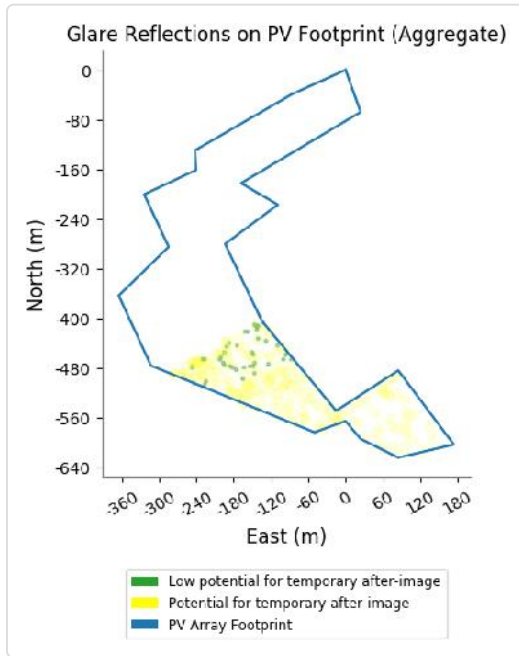
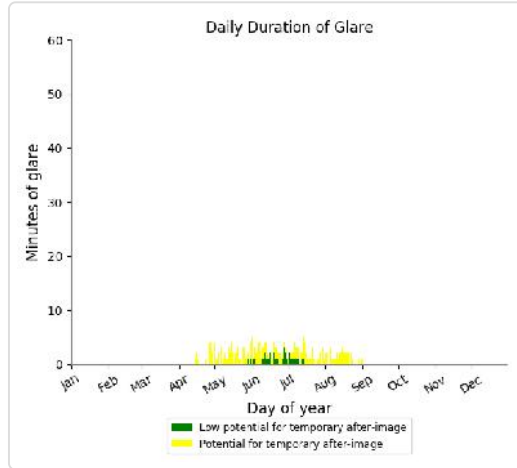
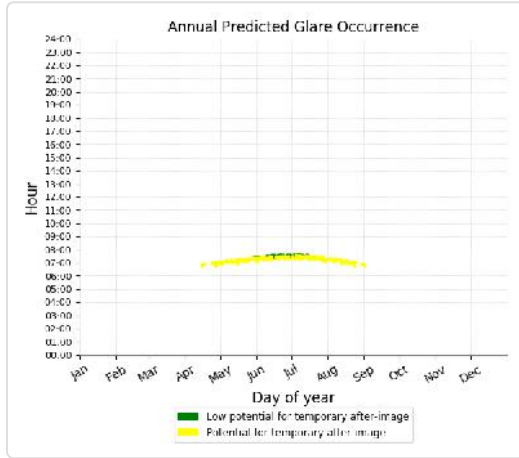
- 113 minutes of "green" glare with low potential to cause temporary after-image.
- 1,067 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 11)

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

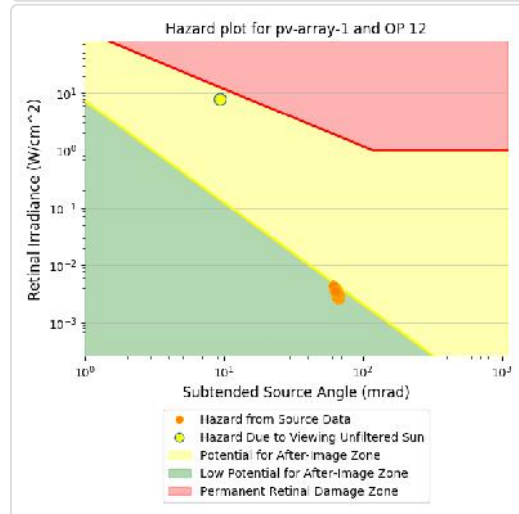
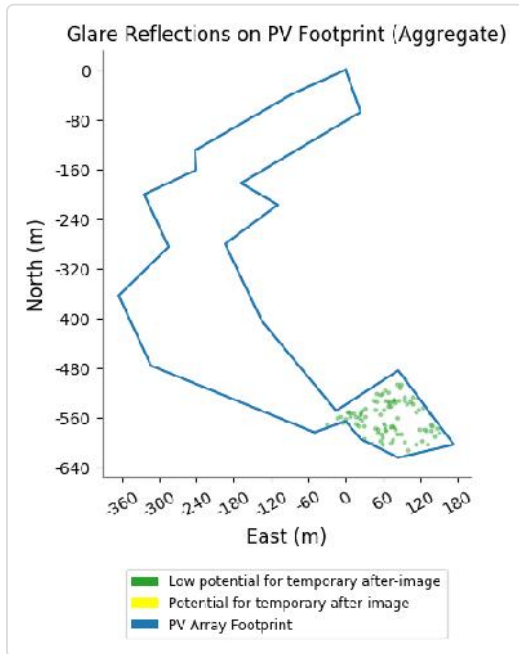
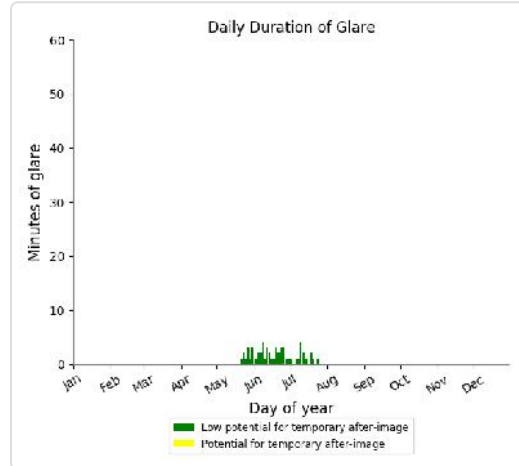
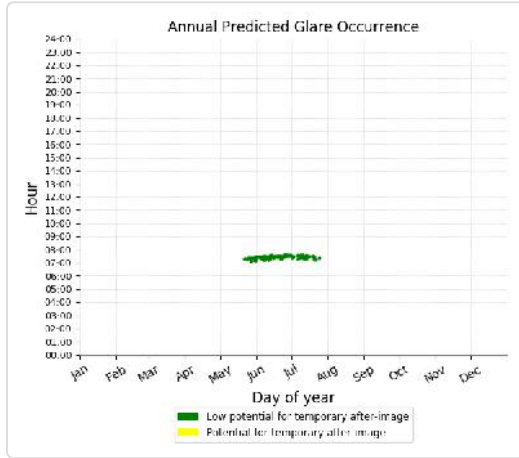
- 40 minutes of "green" glare with low potential to cause temporary after-image.
- 200 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 12)

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

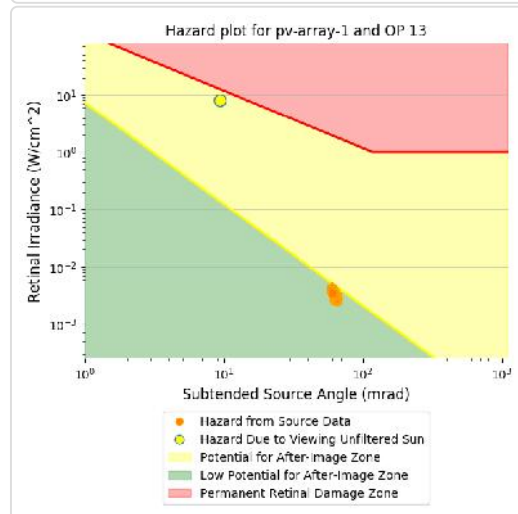
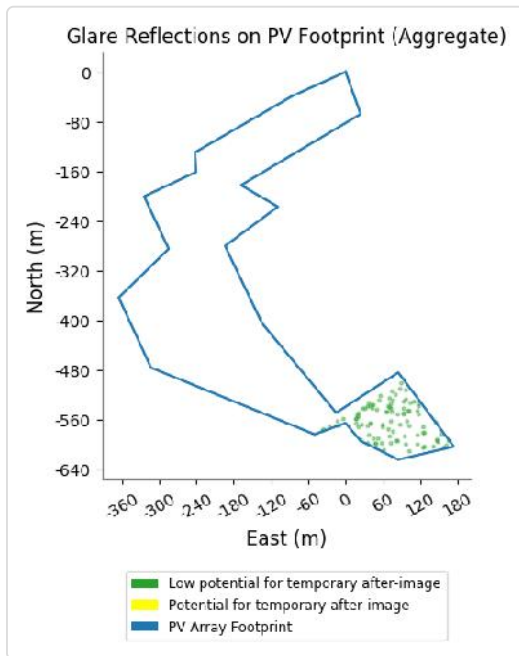
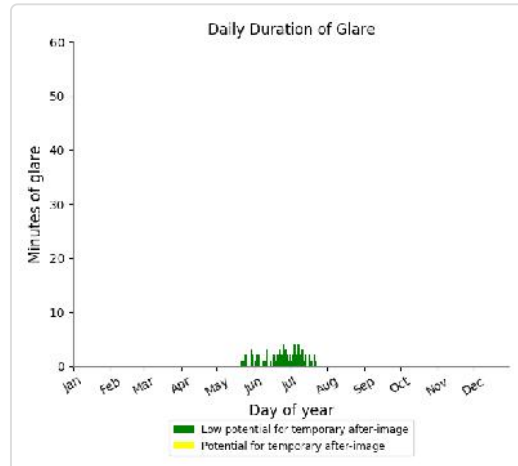
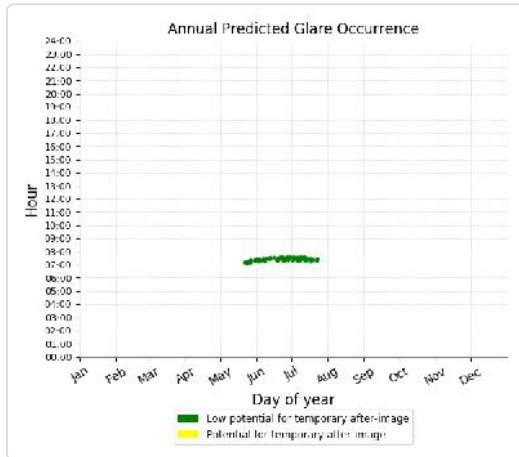
- 93 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 13)

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

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



PV array 1 - OP Receptor (OP 14)

No glare found

PV array 1 - OP Receptor (OP 15)

No glare found

PV array 1 - OP Receptor (OP 16)

No glare found

PV array 1 - OP Receptor (OP 17)

No glare found

PV array 1 - OP Receptor (OP 18)

No glare found

PV array 1 - OP Receptor (OP 19)

No glare found

PV array 1 - OP Receptor (OP 20)

No glare found

PV array 1 - OP Receptor (OP 21)

No glare found

PV array 1 - OP Receptor (OP 22)

No glare found

PV array 1 - OP Receptor (OP 23)

No glare found

PV array 1 - OP Receptor (OP 24)

No glare found

PV array 1 - OP Receptor (OP 25)

No glare found

PV array 1 - OP Receptor (OP 26)

No glare found

PV array 1 - OP Receptor (OP 27)

No glare found

PV array 1 - OP Receptor (OP 28)

No glare found

PV array 1 - OP Receptor (OP 29)

No glare found

PV array 1 - OP Receptor (OP 30)

No glare found

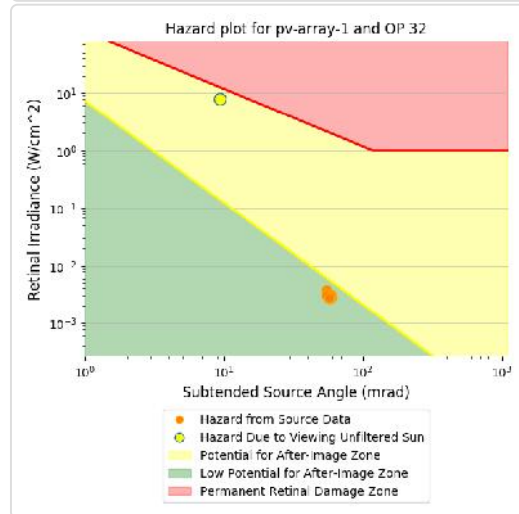
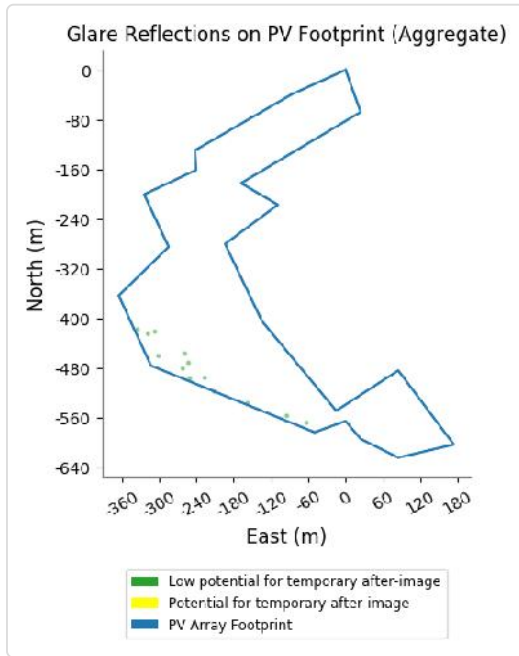
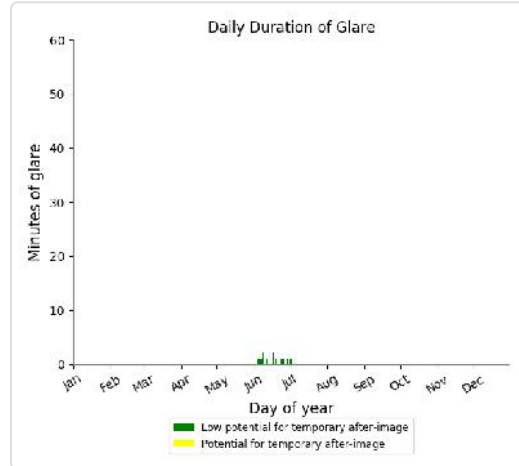
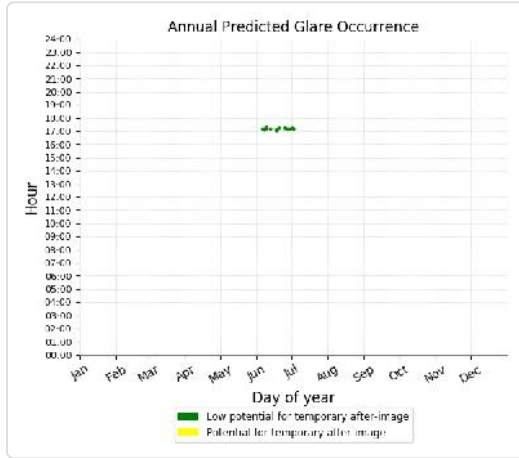
PV array 1 - OP Receptor (OP 31)

No glare found

PV array 1 - OP Receptor (OP 32)

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

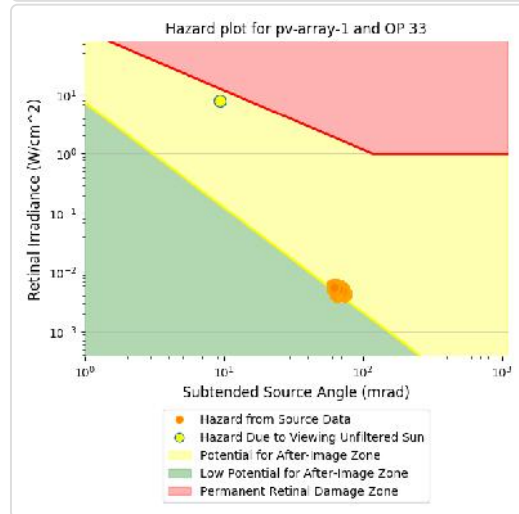
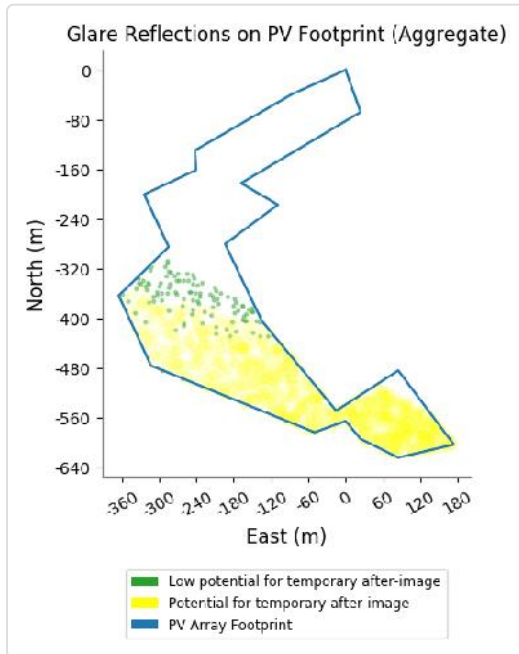
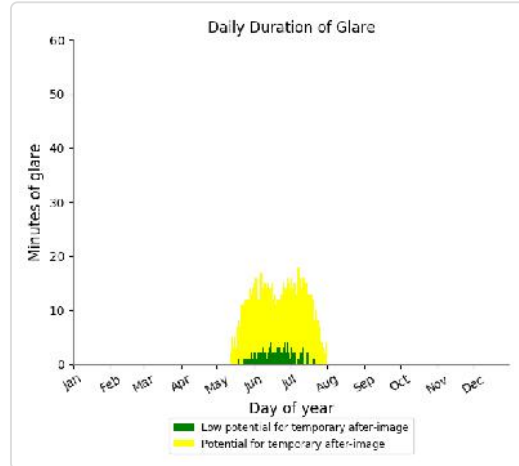
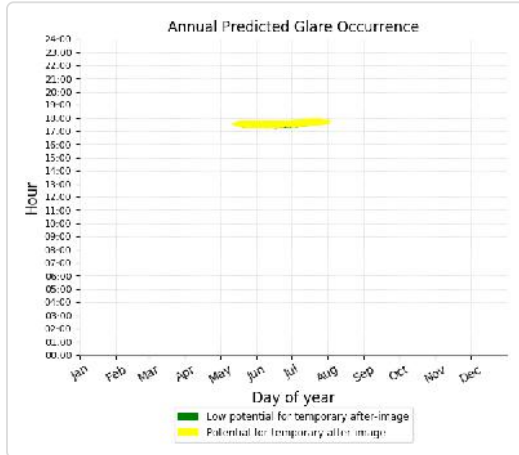
- 13 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 33)

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

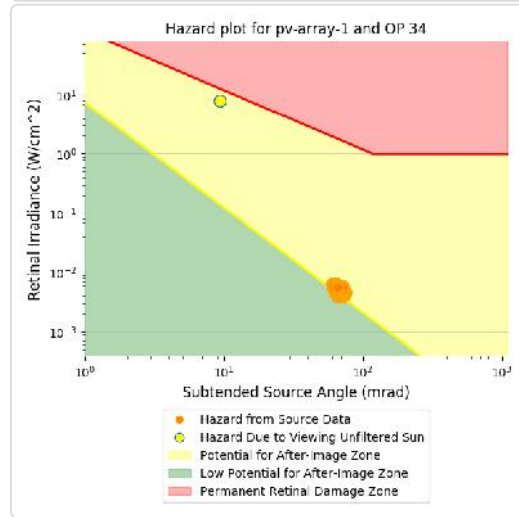
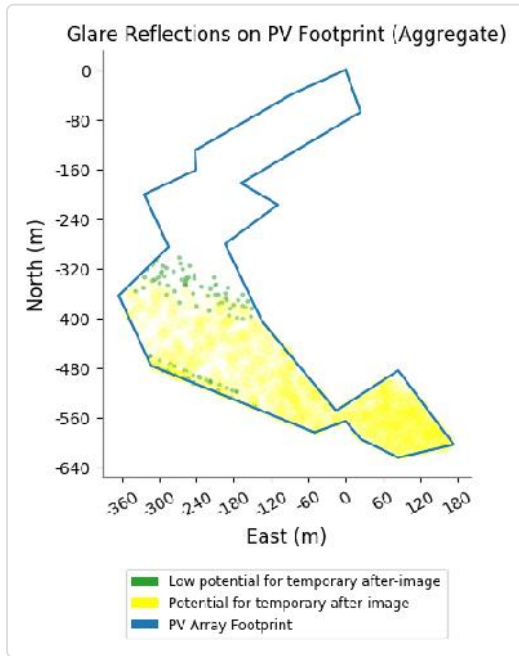
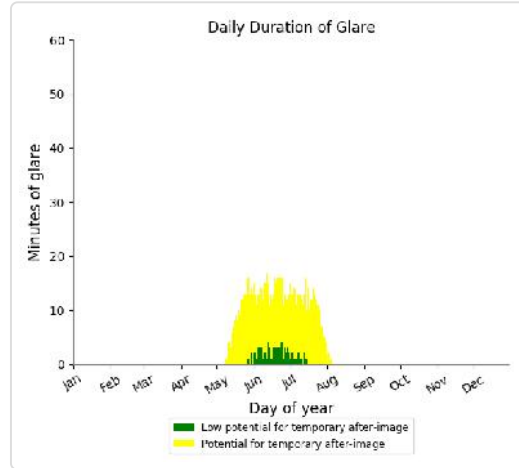
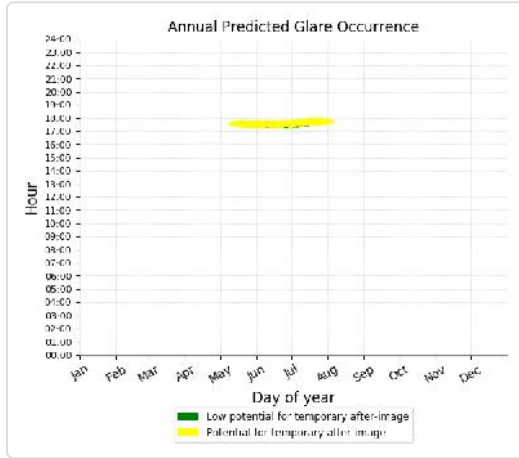
- 105 minutes of "green" glare with low potential to cause temporary after-image.
- 840 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 34)

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

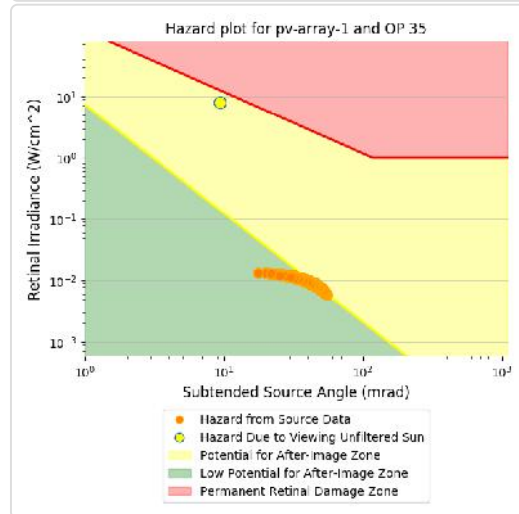
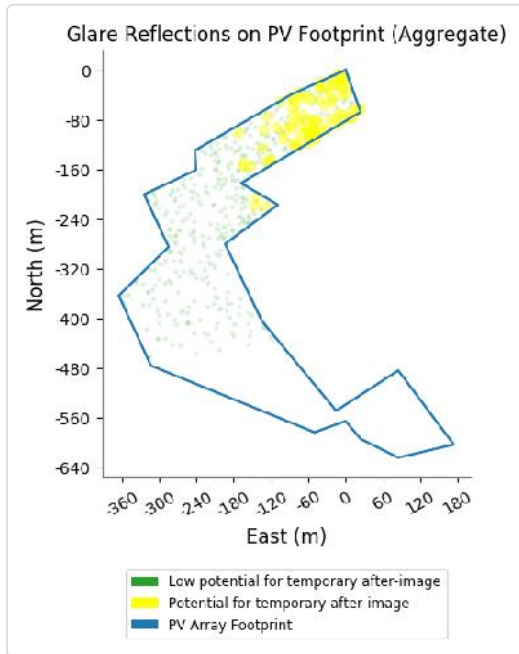
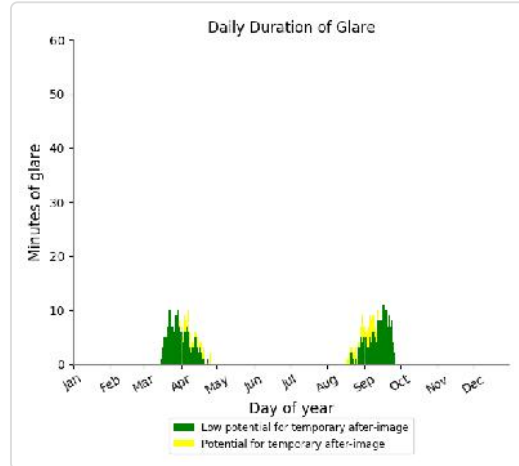
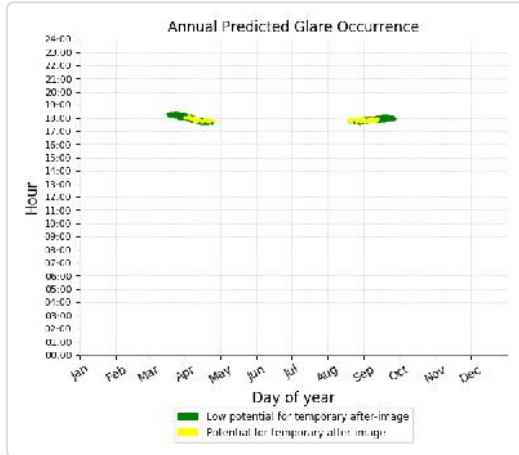
- 97 minutes of "green" glare with low potential to cause temporary after-image.
- 890 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 35)

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

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



PV array 1 - OP Receptor (OP 36)

No glare found

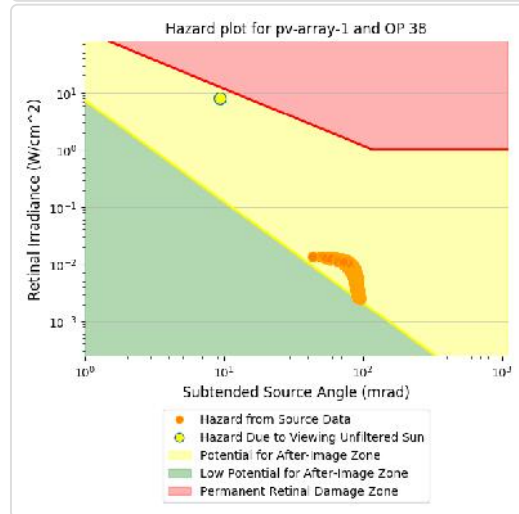
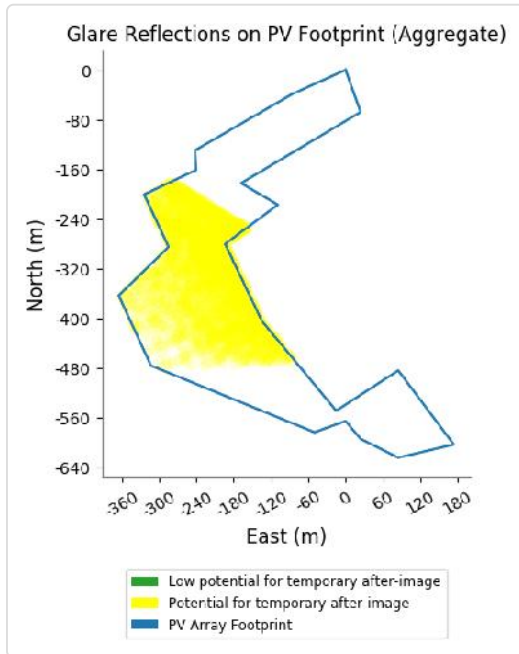
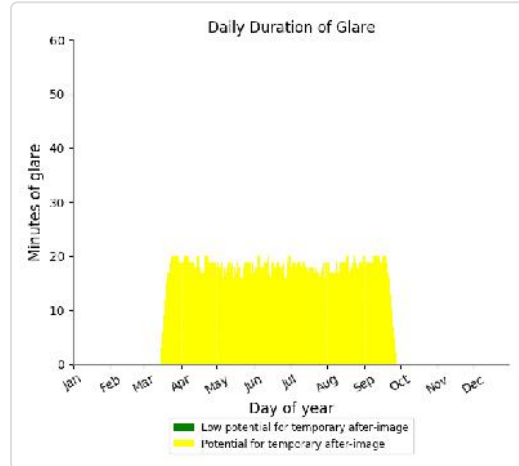
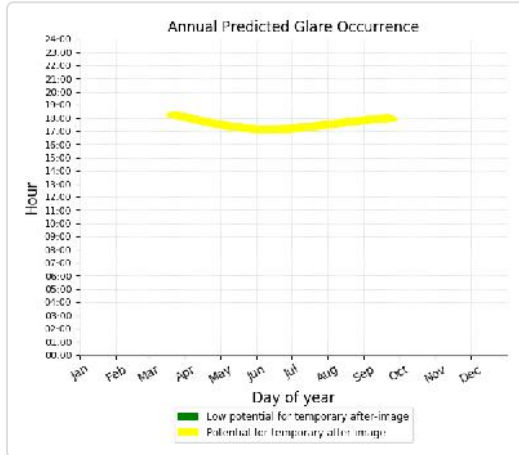
PV array 1 - OP Receptor (OP 37)

No glare found

PV array 1 - OP Receptor (OP 38)

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

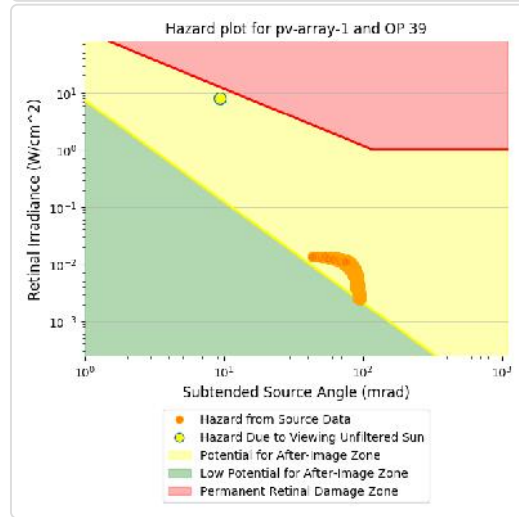
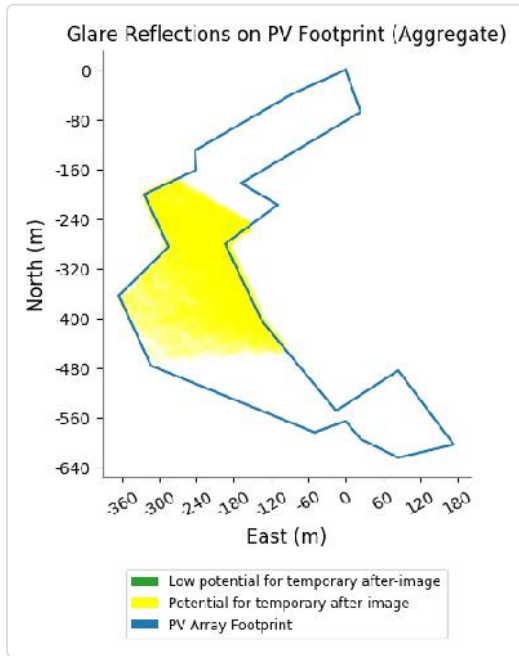
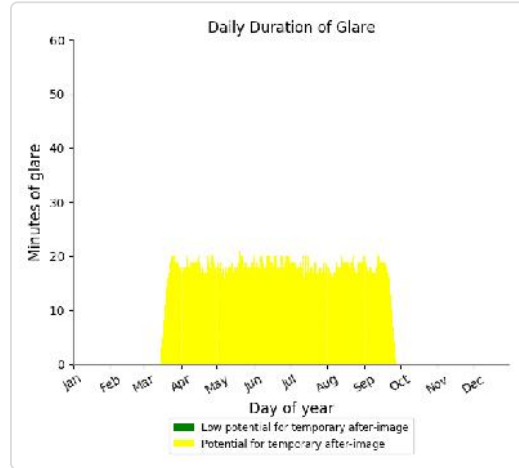
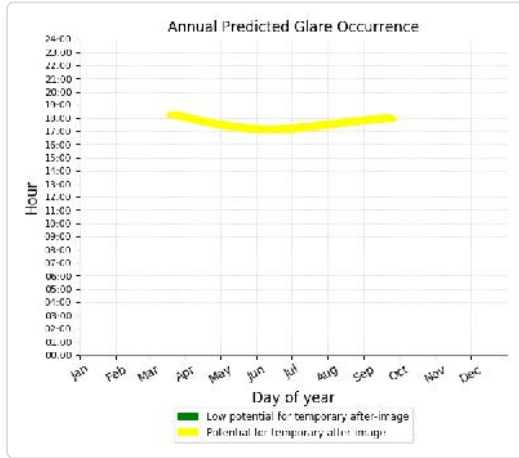
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,517 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 39)

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

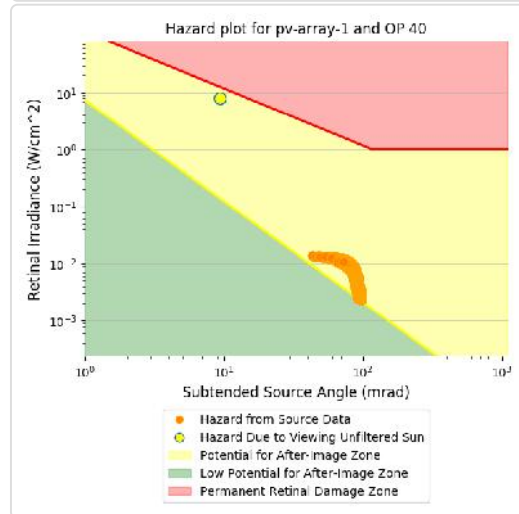
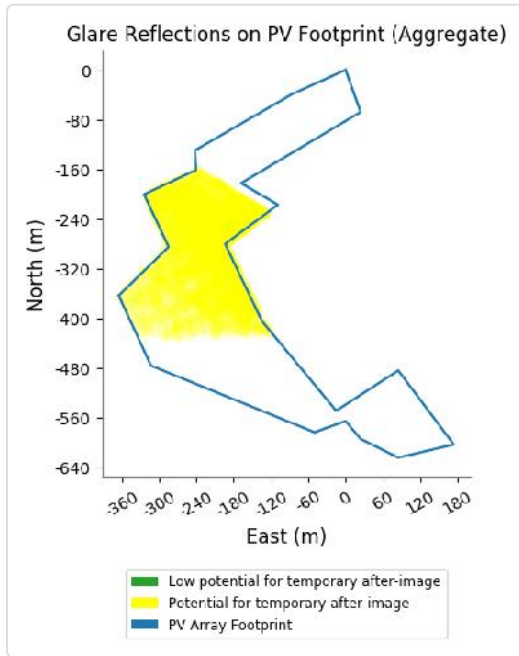
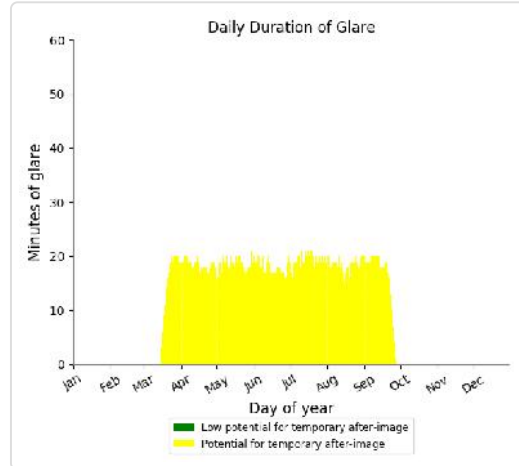
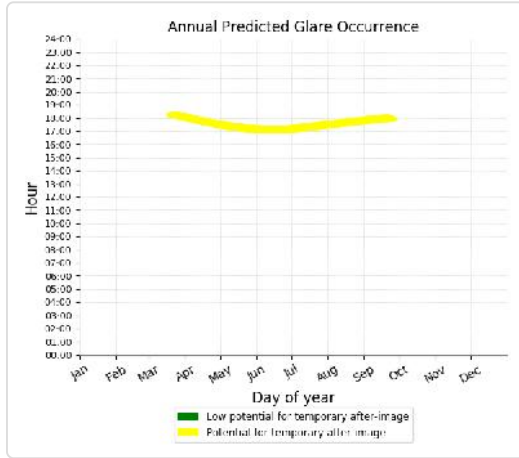
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,517 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 40)

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

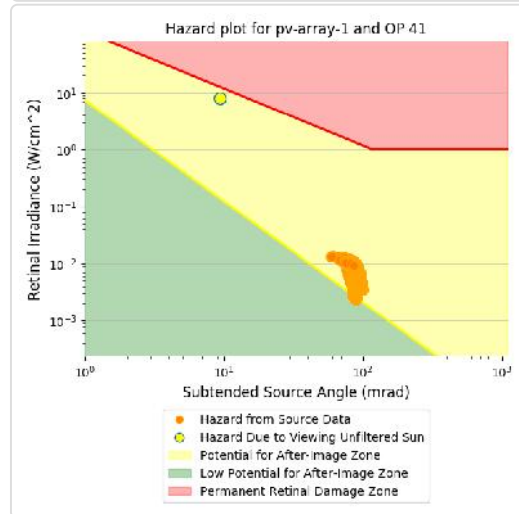
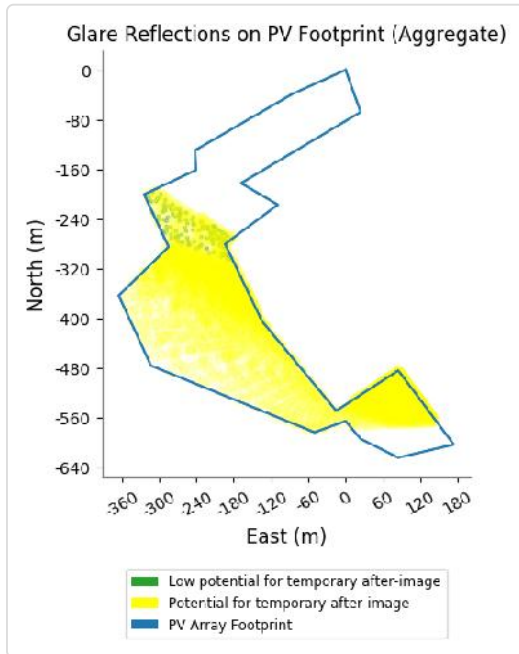
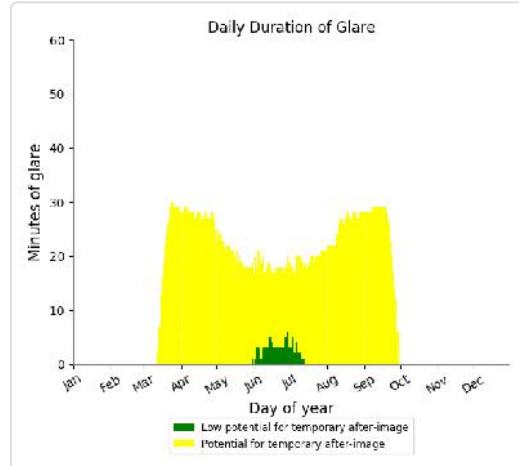
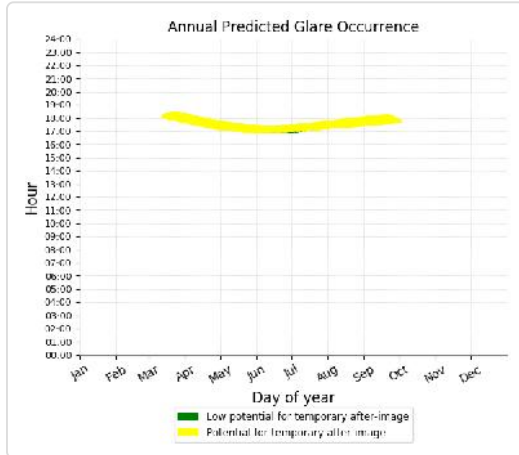
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,565 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 41)

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

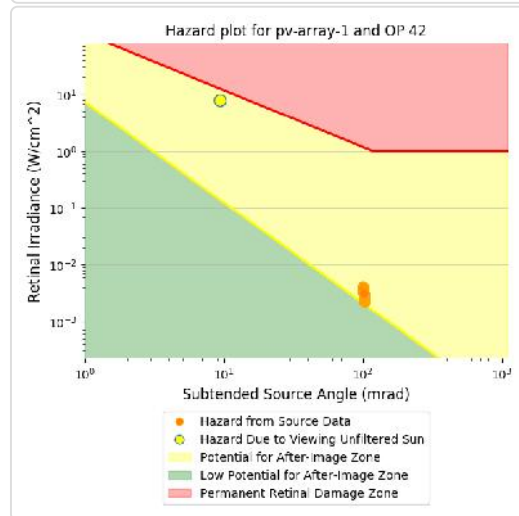
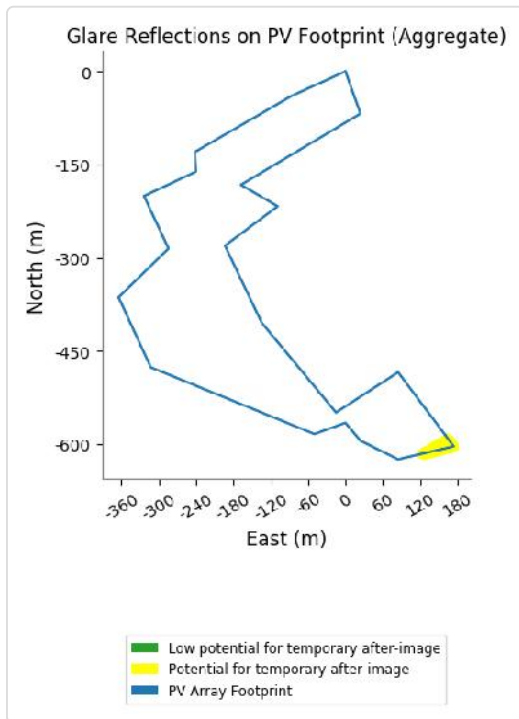
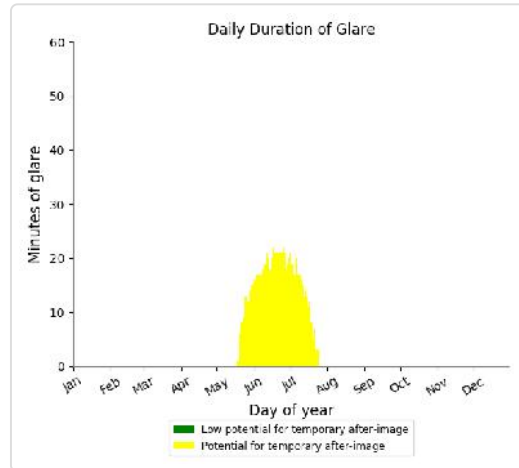
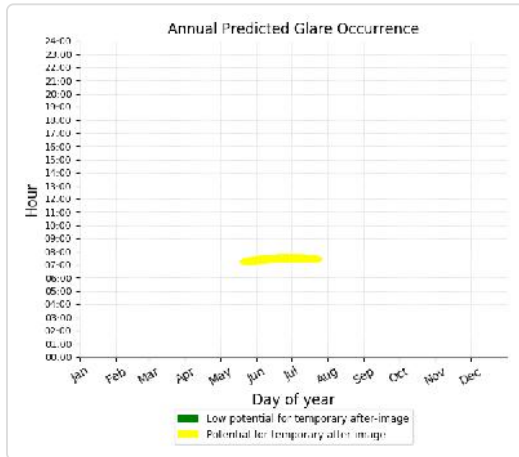
- 127 minutes of "green" glare with low potential to cause temporary after-image.
- 4,449 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 42)

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.
- 1,041 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 1 - OP Receptor (OP 43)

No glare found

PV array 1 - OP Receptor (OP 44)

No glare found

PV array 1 - OP Receptor (OP 45)

No glare found

PV array 1 - OP Receptor (OP 46)

No glare found

PV array 1 - OP Receptor (OP 47)

No glare found

PV array 1 - OP Receptor (OP 48)

No glare found

PV array 1 - OP Receptor (OP 49)

No glare found

PV array 1 - OP Receptor (OP 50)

No glare found



PV array 2 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	6	38
OP: OP 3	3	75
OP: OP 4	0	370
OP: OP 5	0	1251
OP: OP 6	0	235
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	1321
OP: OP 10	0	1732
OP: OP 11	0	2504
OP: OP 12	20	1690
OP: OP 13	40	1405
OP: OP 14	85	488
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	48
OP: OP 22	0	0
OP: OP 23	0	506
OP: OP 24	0	633
OP: OP 25	1022	181
OP: OP 26	879	117
OP: OP 27	1038	150
OP: OP 28	1168	271
OP: OP 29	1273	322
OP: OP 30	1146	437
OP: OP 31	1429	599
OP: OP 32	1037	487
OP: OP 33	47	412
OP: OP 34	31	476
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
OP: OP 41	0	362
OP: OP 42	0	3352
OP: OP 43	0	2879
OP: OP 44	0	5432
OP: OP 45	0	0
OP: OP 46	0	0

OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0

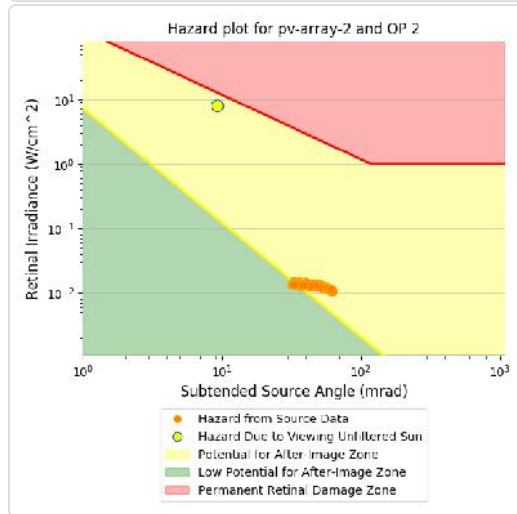
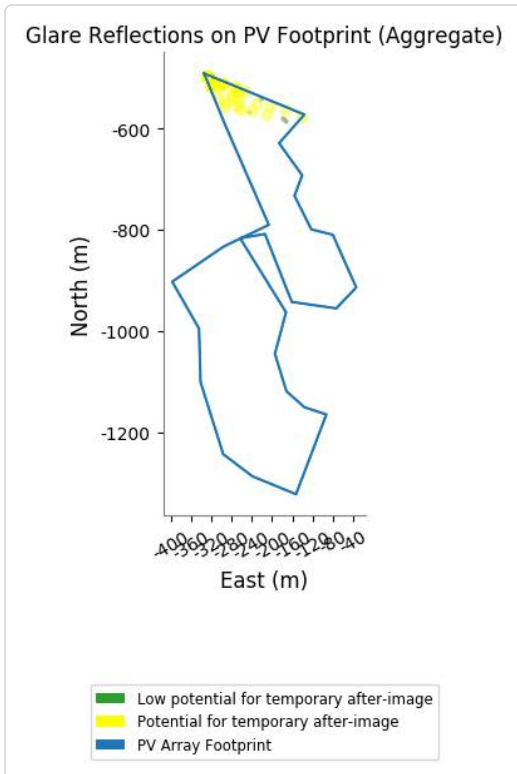
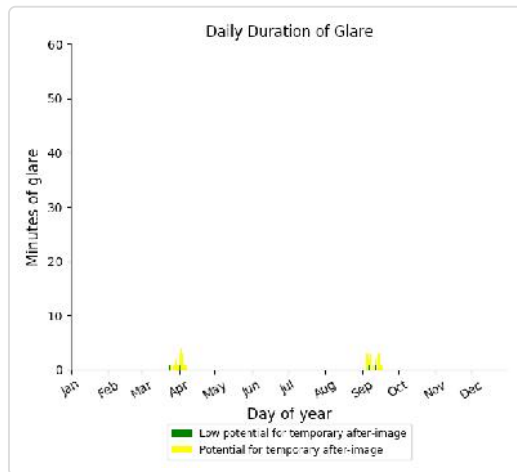
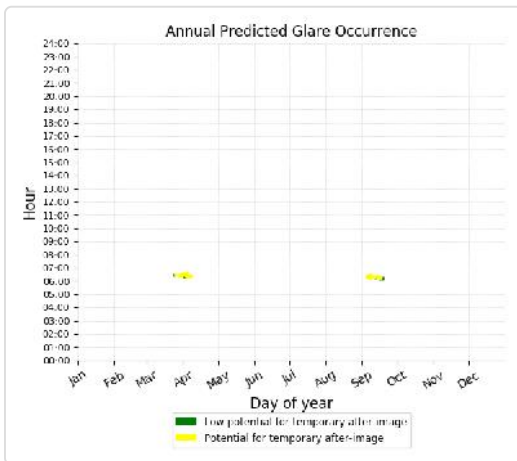
PV array 2 - OP Receptor (OP 1)

No glare found

PV array 2 - OP Receptor (OP 2)

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

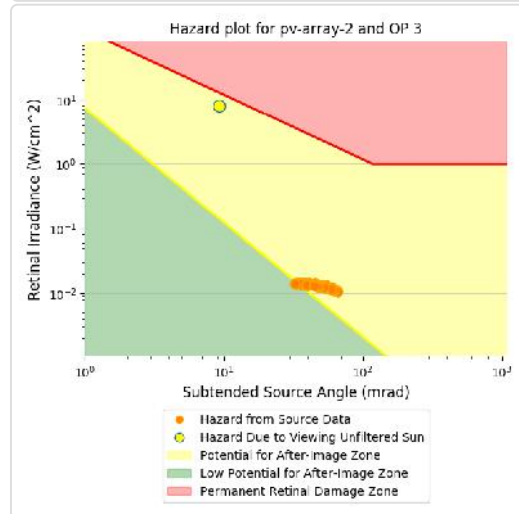
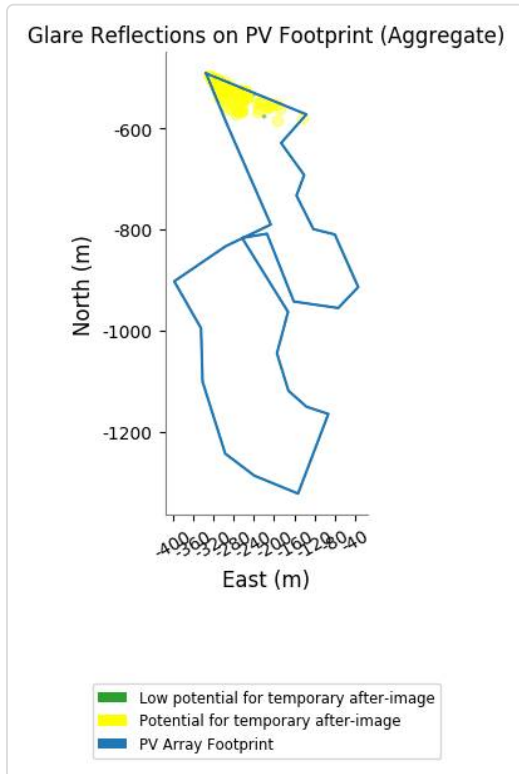
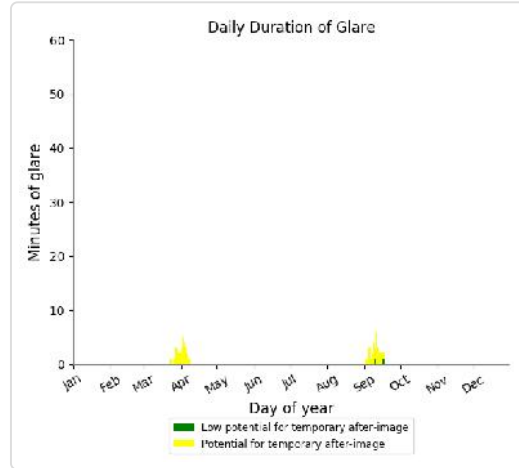
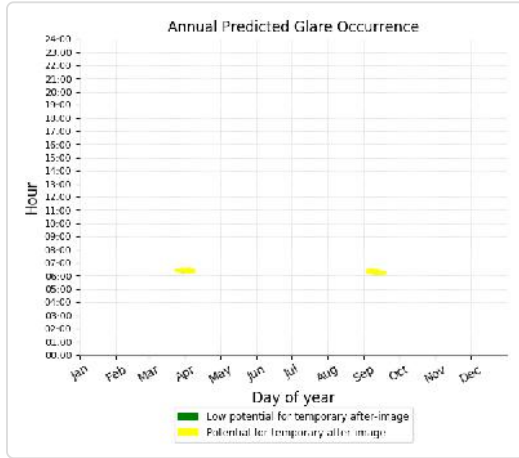
- 6 minutes of "green" glare with low potential to cause temporary after-image.
- 38 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 3)

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

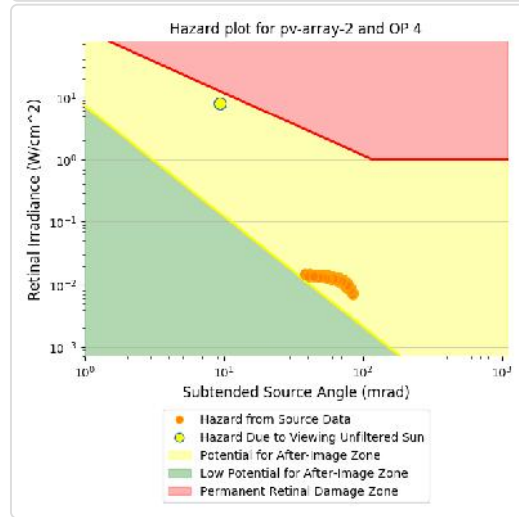
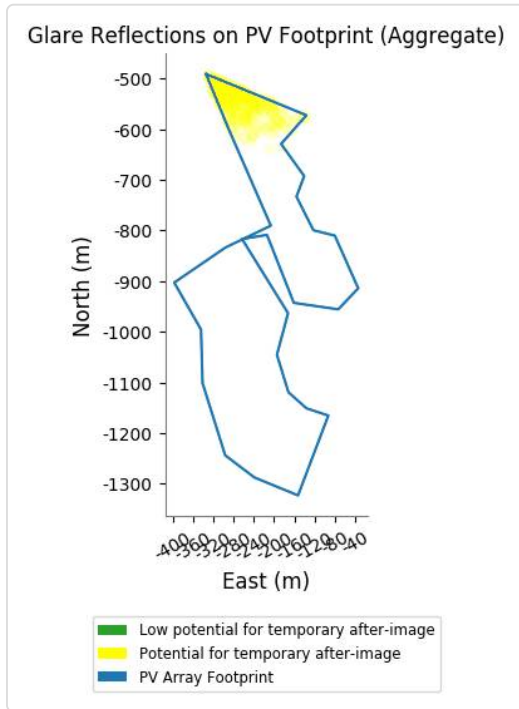
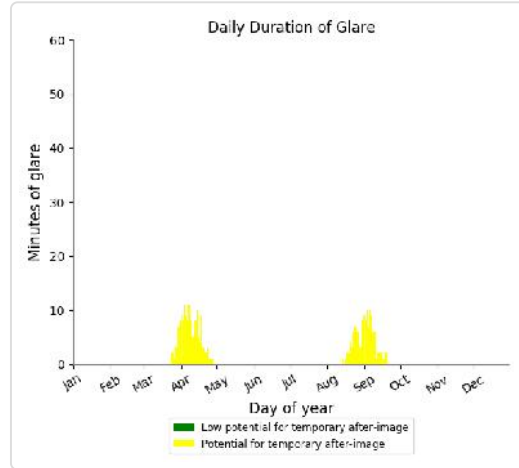
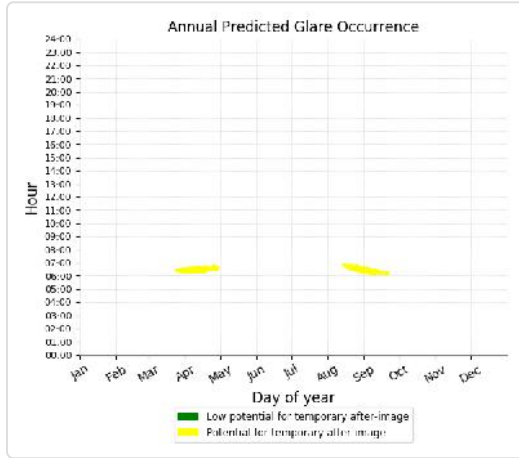
- 3 minutes of "green" glare with low potential to cause temporary after-image.
- 75 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 4)

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

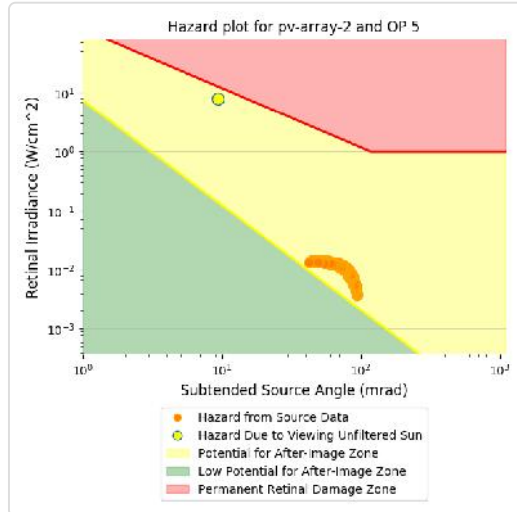
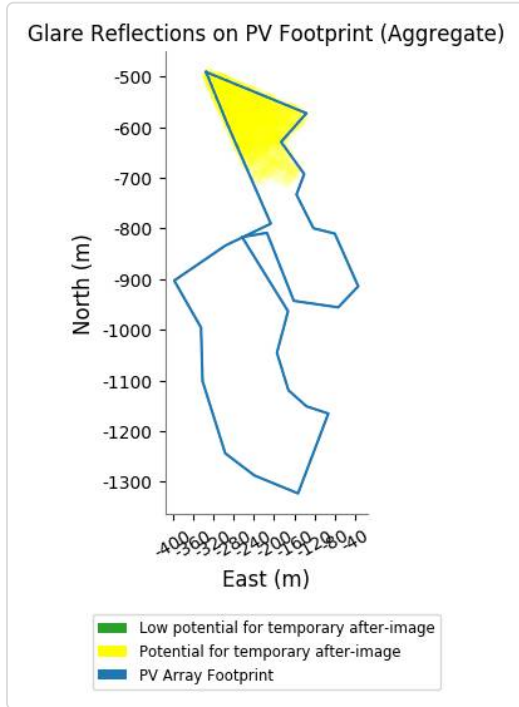
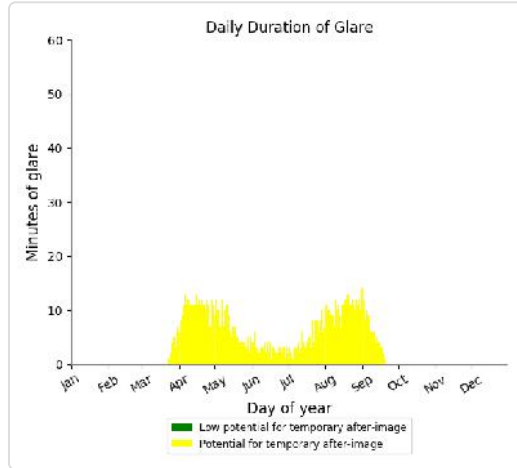
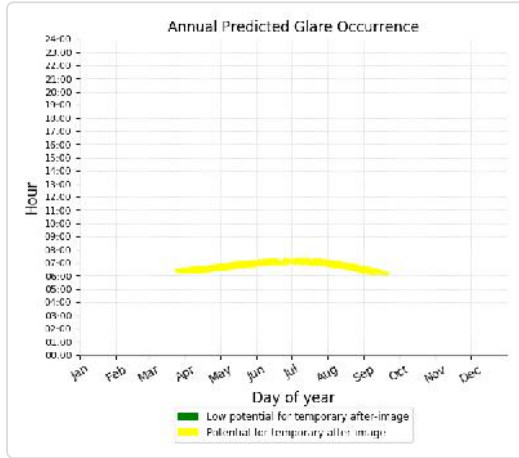
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 370 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 5)

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

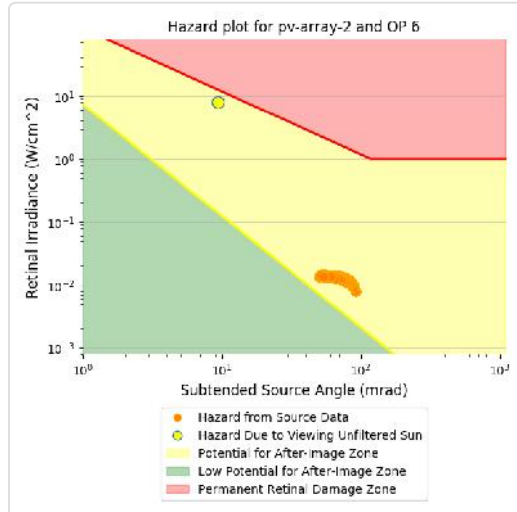
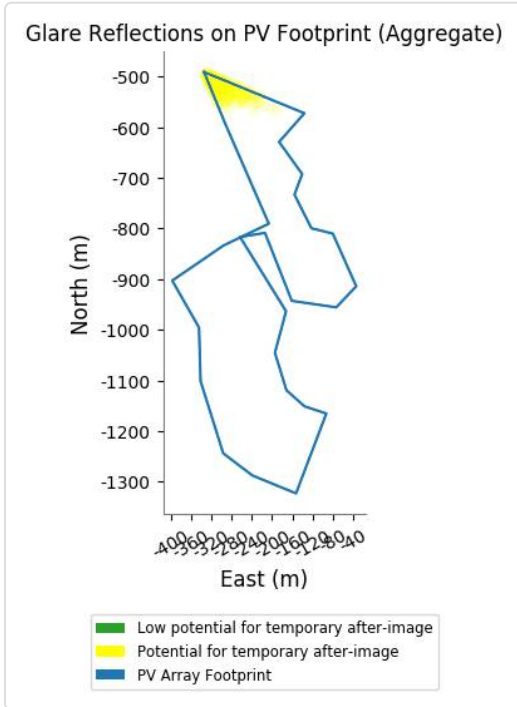
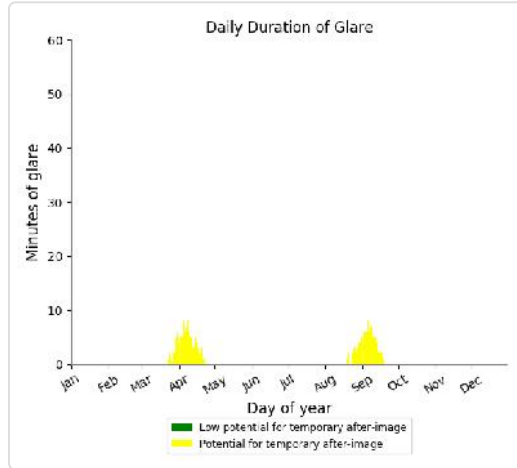
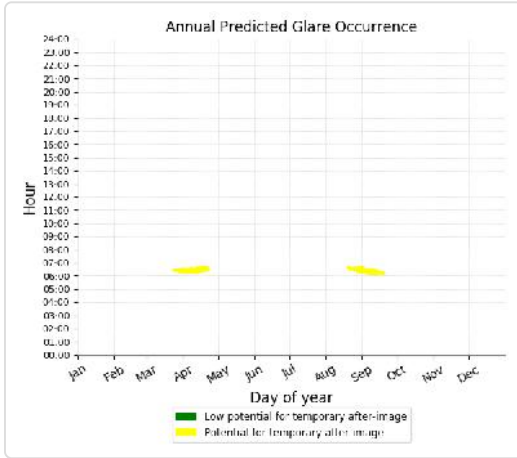
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,251 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 6)

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.
- 235 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 7)

No glare found

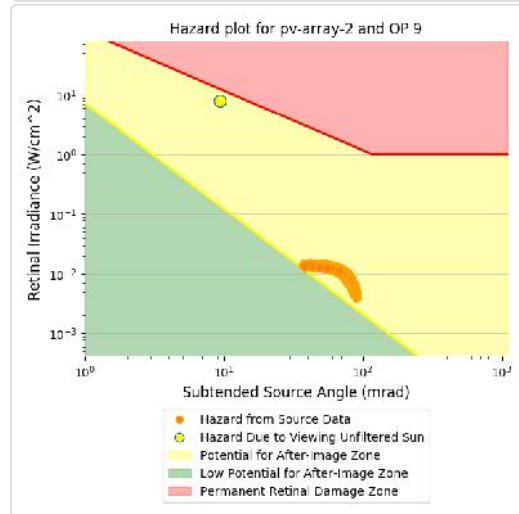
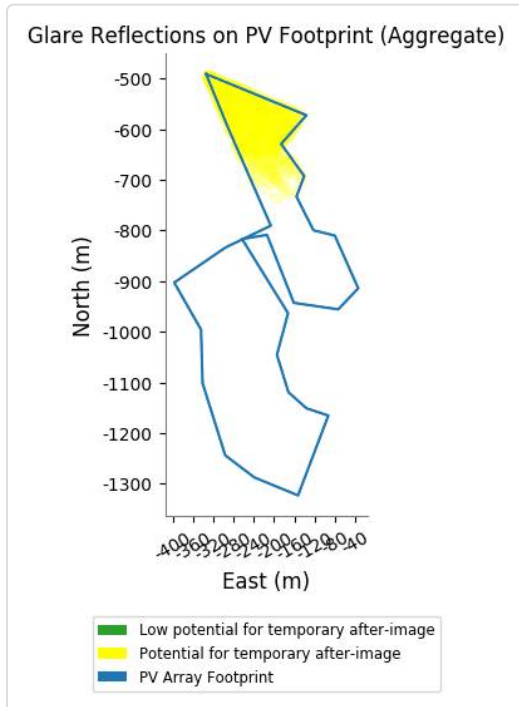
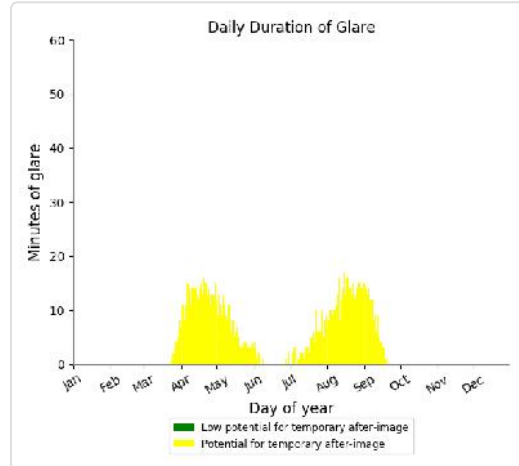
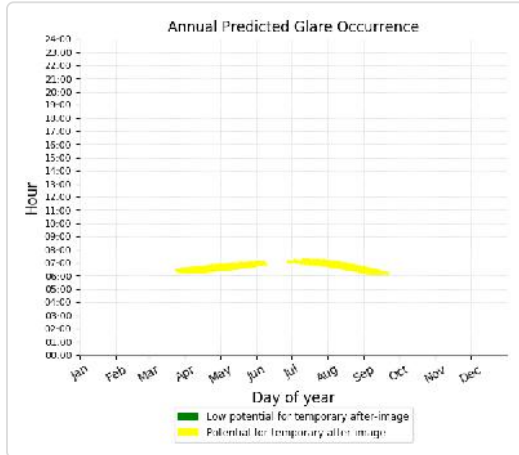
PV array 2 - OP Receptor (OP 8)

No glare found

PV array 2 - OP Receptor (OP 9)

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

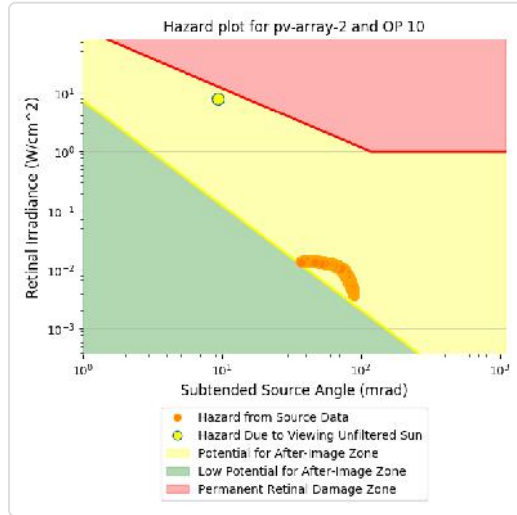
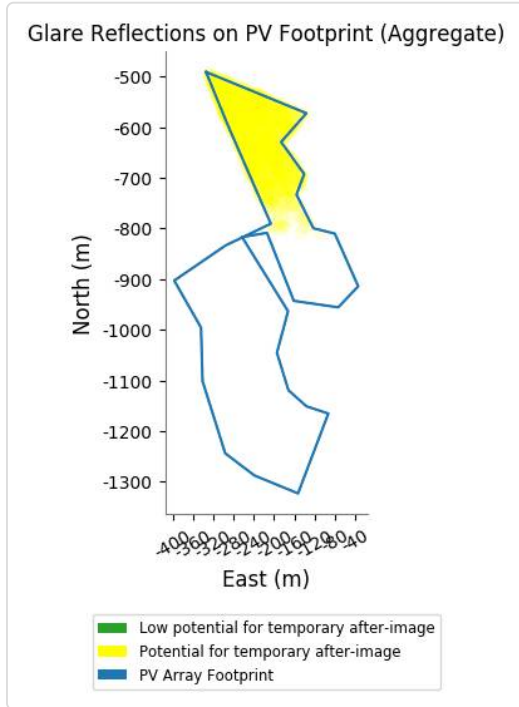
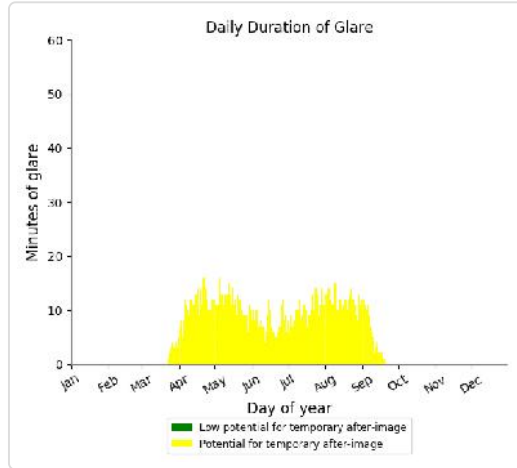
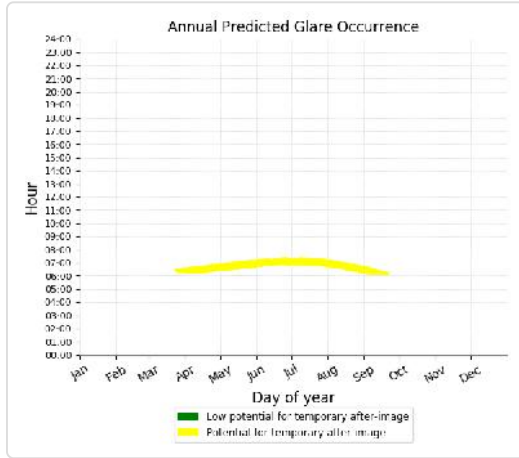
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,321 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 10)

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

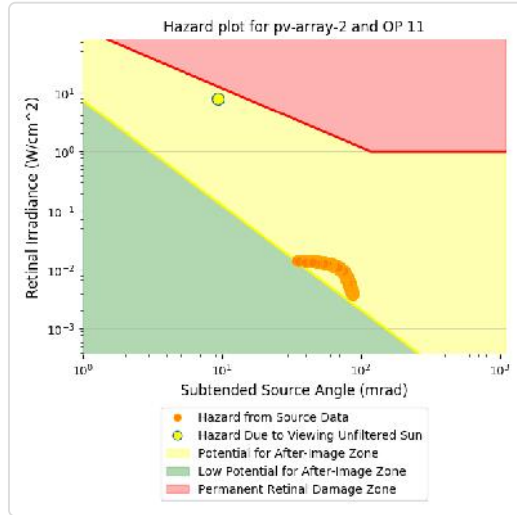
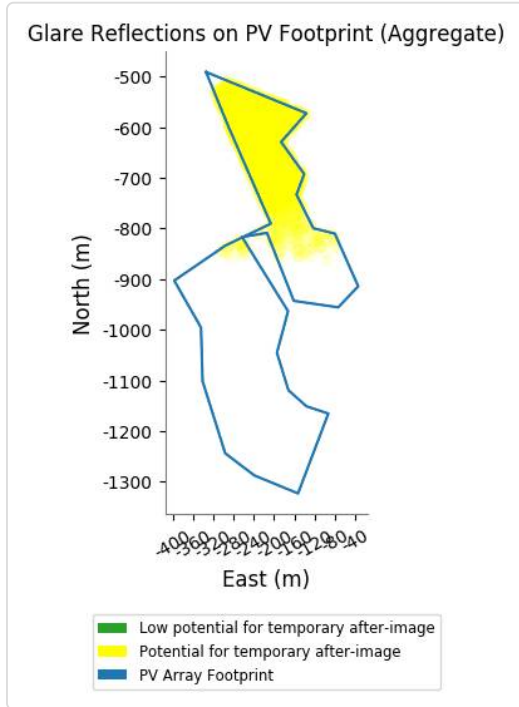
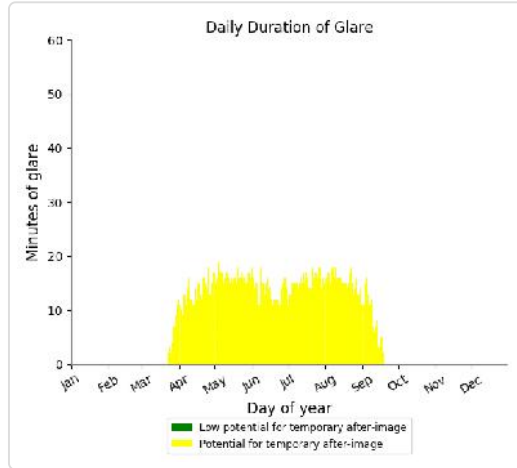
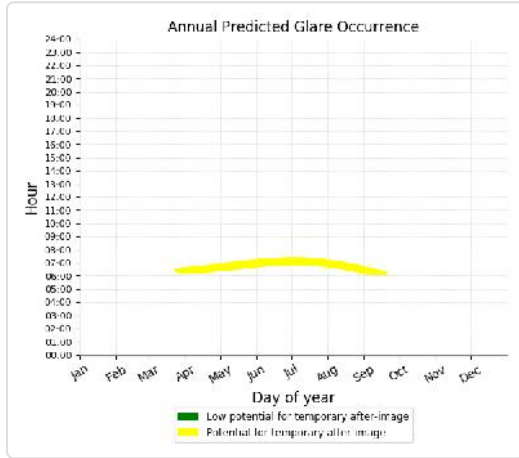
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,732 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 11)

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

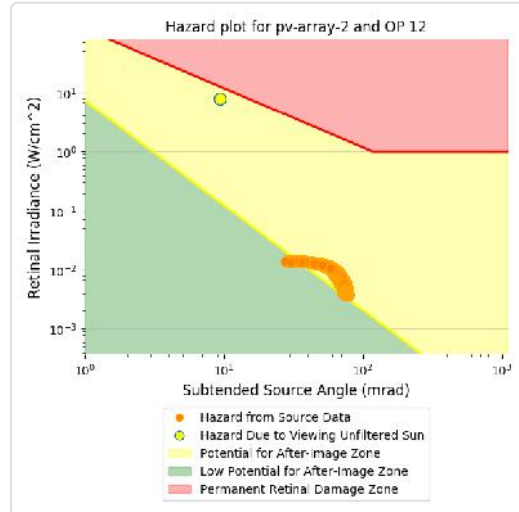
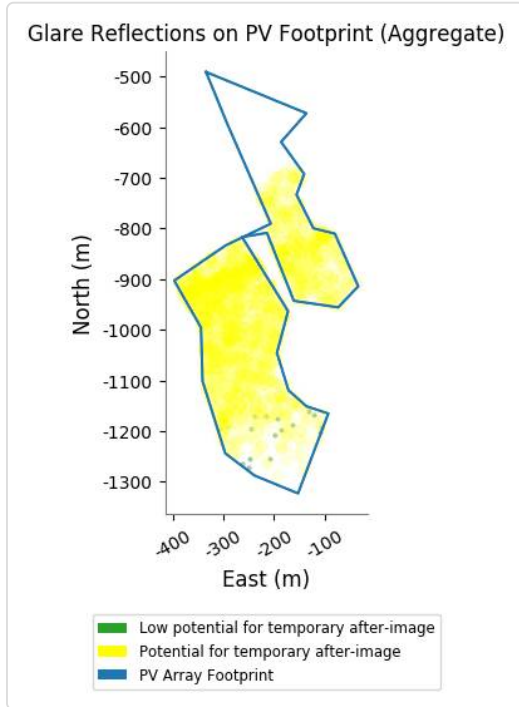
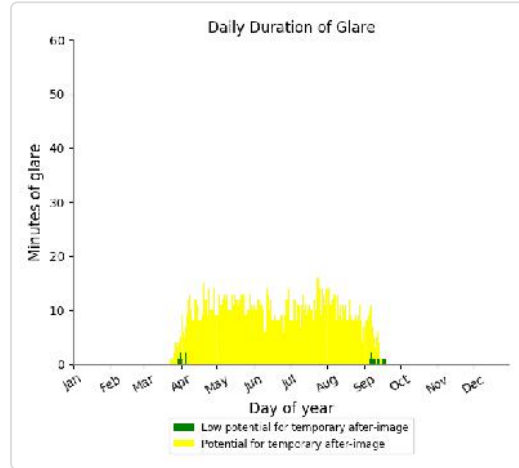
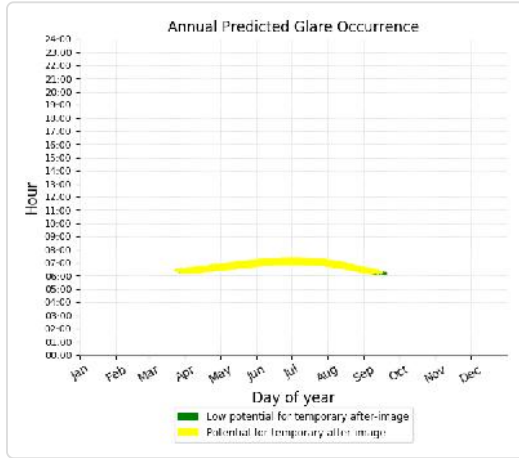
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,504 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 12)

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

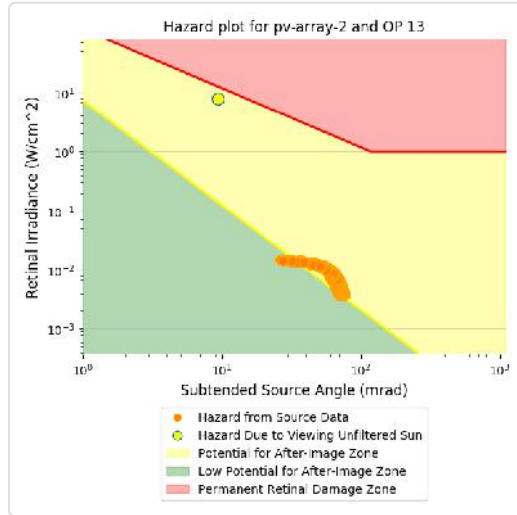
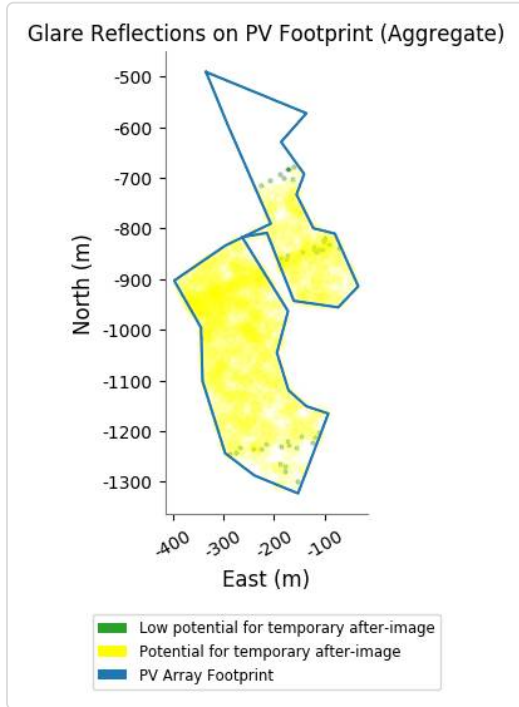
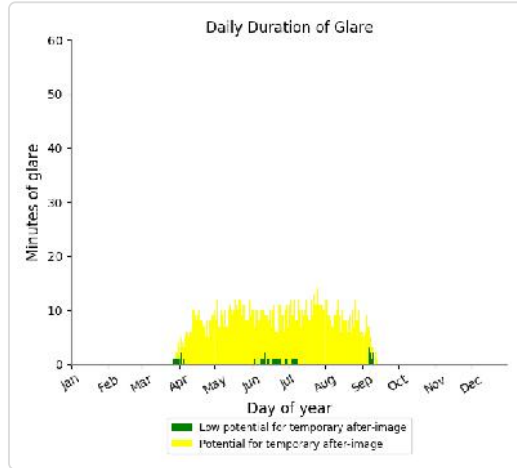
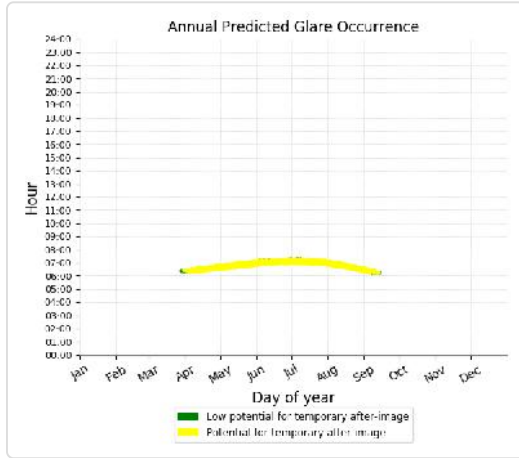
- 20 minutes of "green" glare with low potential to cause temporary after-image.
- 1,690 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 13)

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

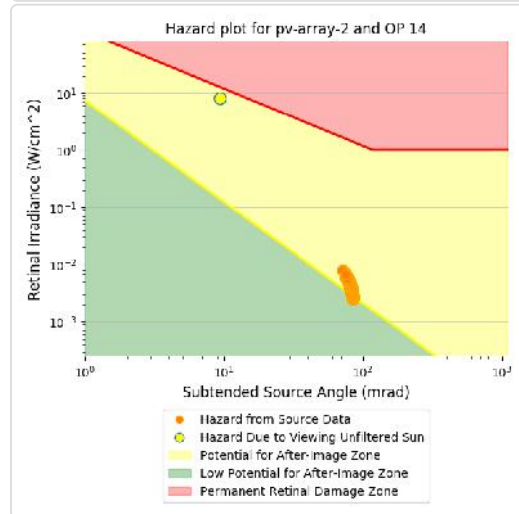
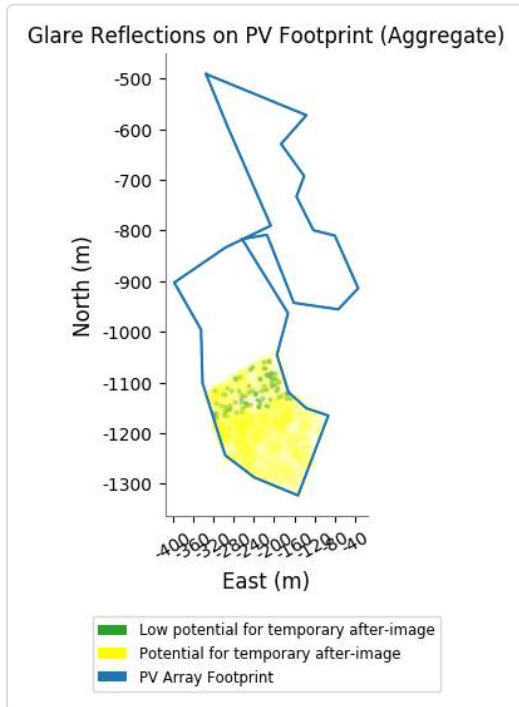
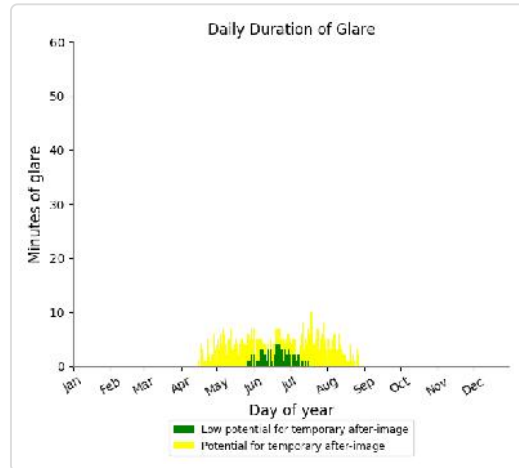
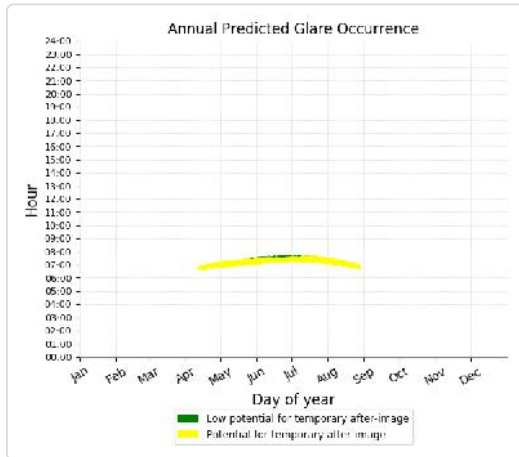
- 40 minutes of "green" glare with low potential to cause temporary after-image.
- 1,405 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 14)

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

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



PV array 2 - OP Receptor (OP 15)

No glare found

PV array 2 - OP Receptor (OP 16)

No glare found

PV array 2 - OP Receptor (OP 17)

No glare found

PV array 2 - OP Receptor (OP 18)

No glare found

PV array 2 - OP Receptor (OP 19)

No glare found

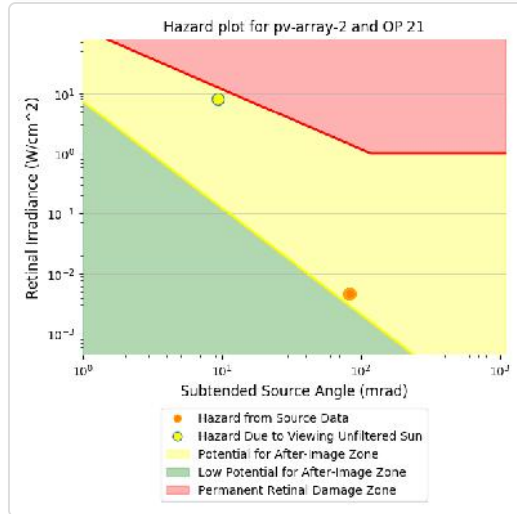
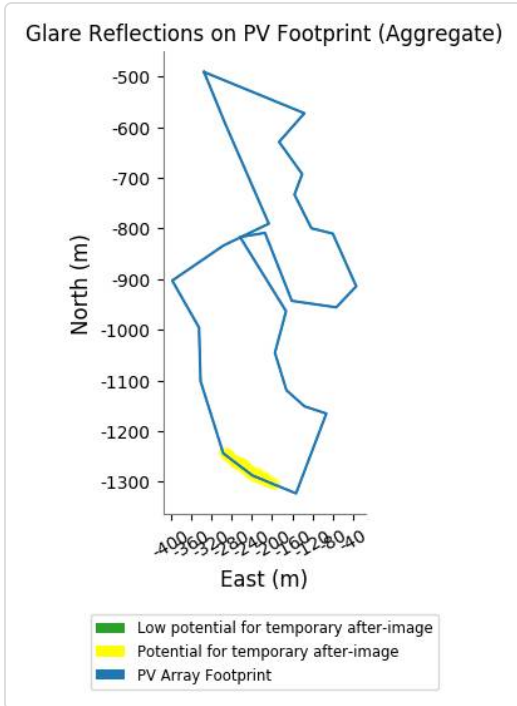
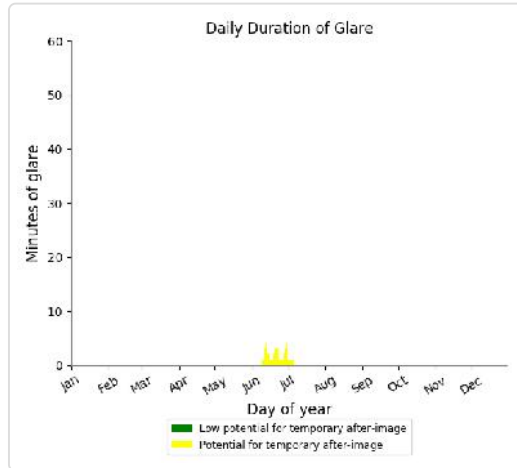
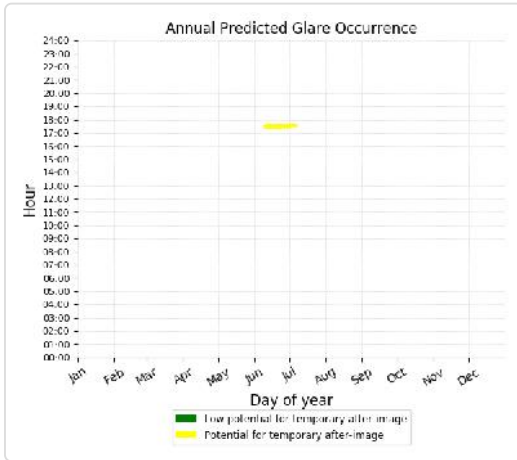
PV array 2 - OP Receptor (OP 20)

No glare found

PV array 2 - OP Receptor (OP 21)

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.
- 48 minutes of "yellow" glare with potential to cause temporary after-image.



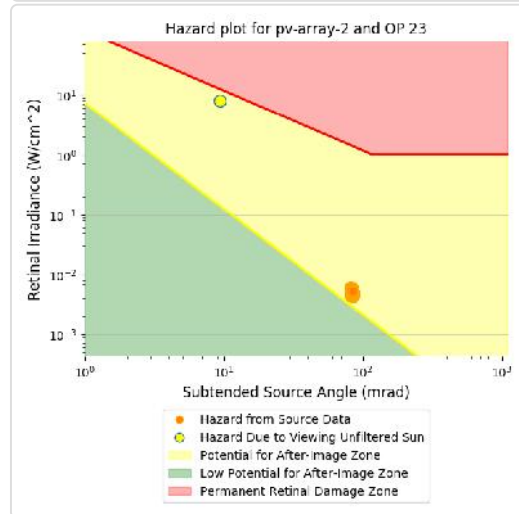
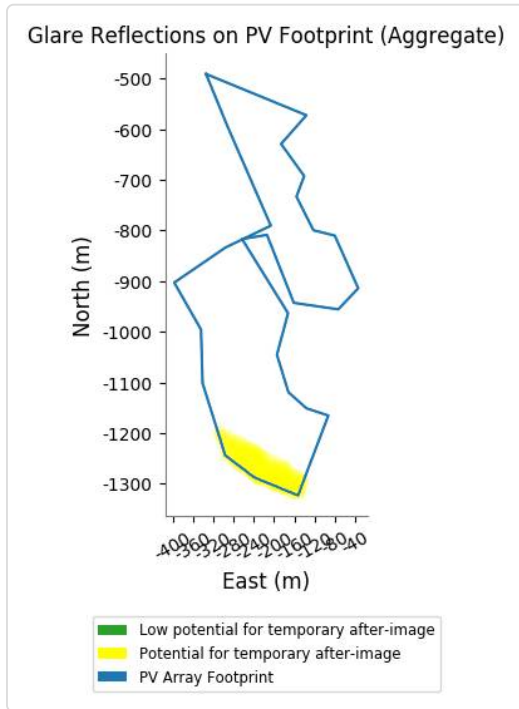
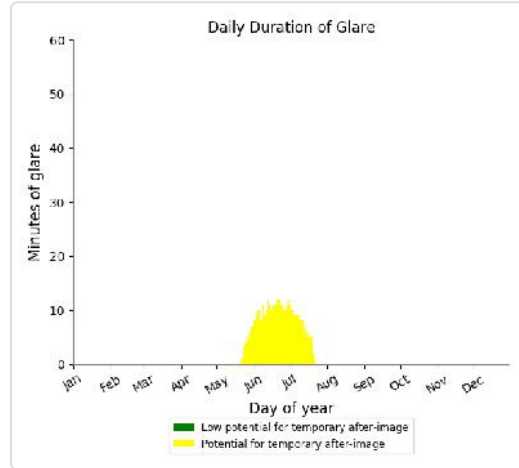
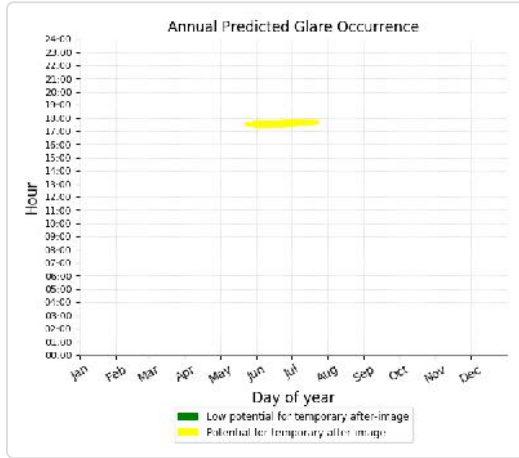
PV array 2 - OP Receptor (OP 22)

No glare found

PV array 2 - OP Receptor (OP 23)

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

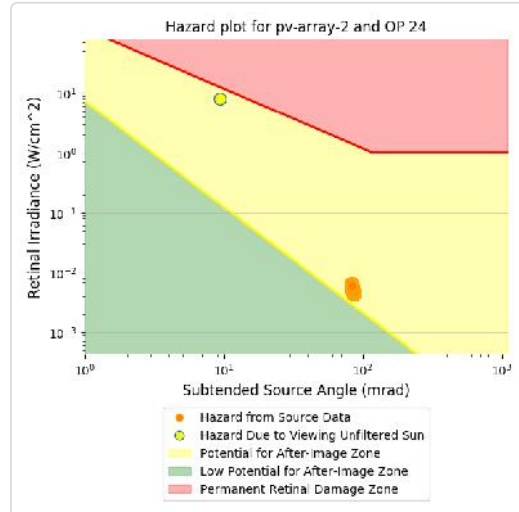
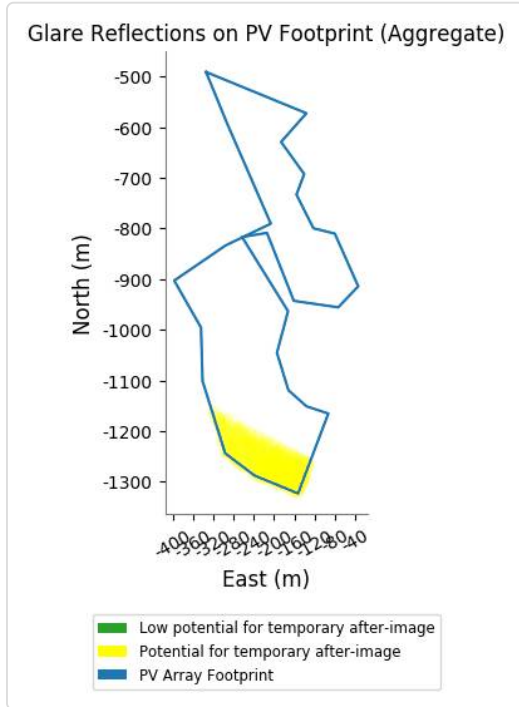
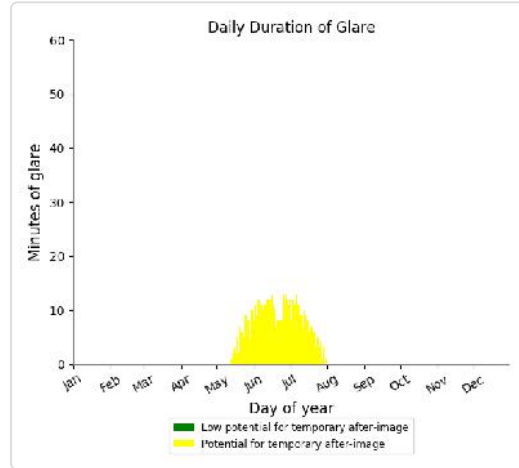
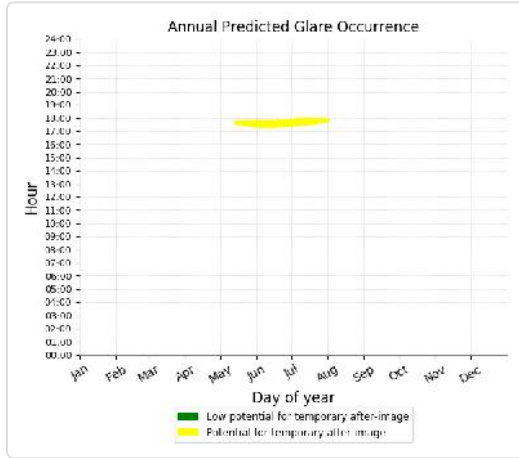
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 506 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 24)

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

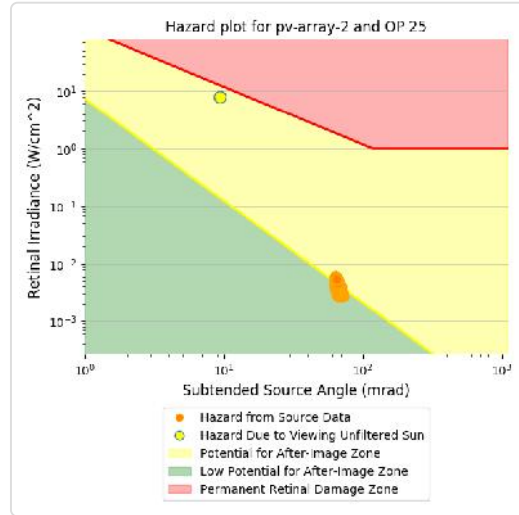
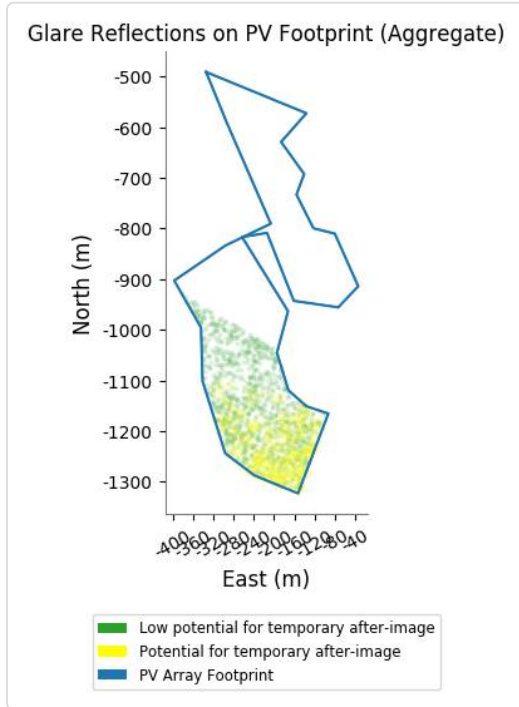
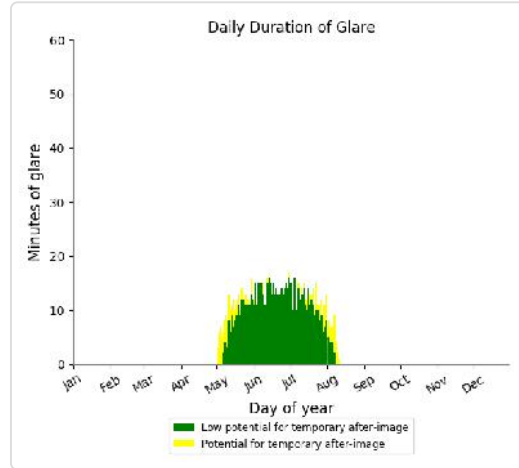
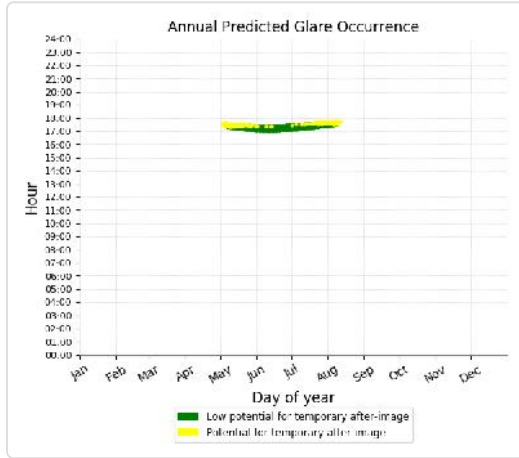
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 633 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 25)

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

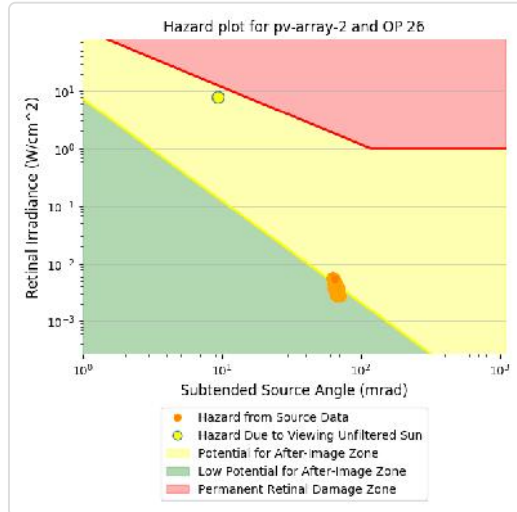
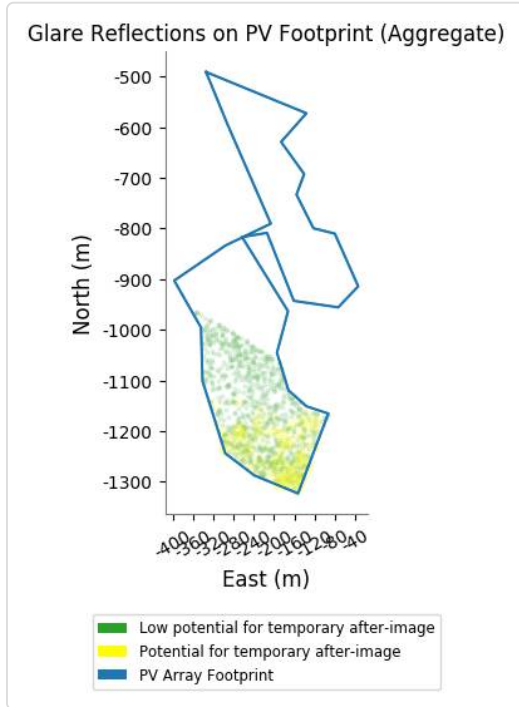
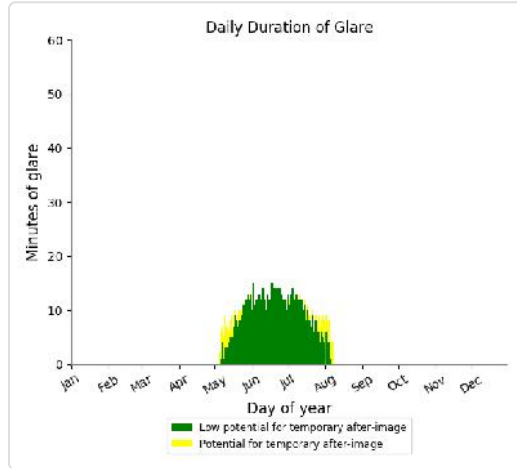
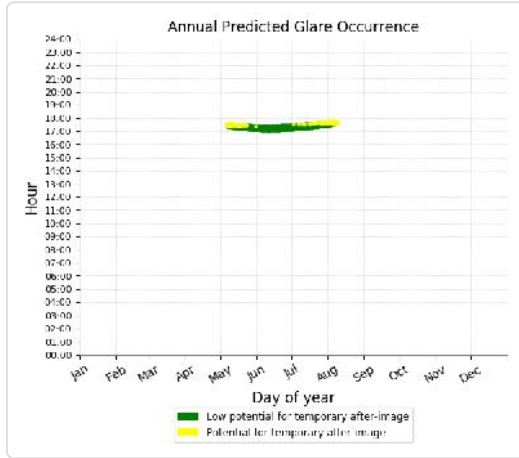
- 1,022 minutes of "green" glare with low potential to cause temporary after-image.
- 181 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 26)

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

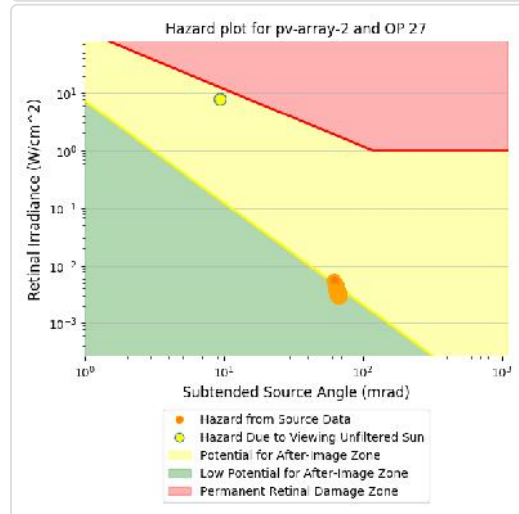
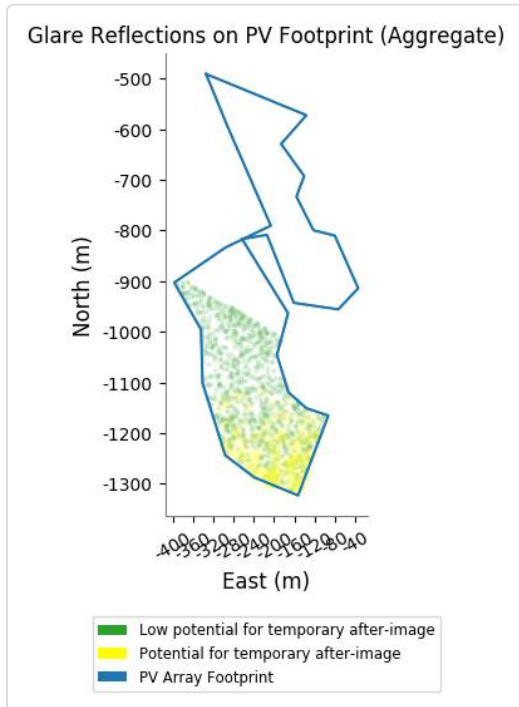
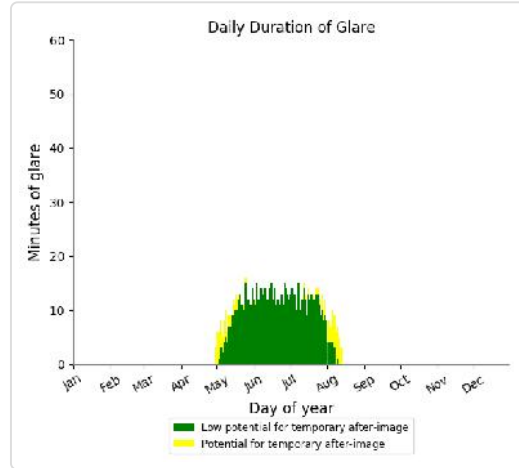
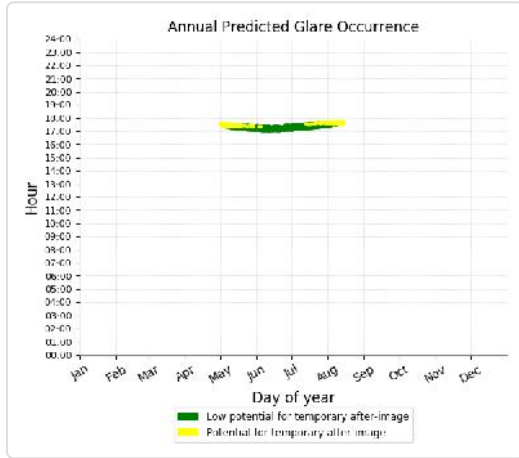
- 879 minutes of "green" glare with low potential to cause temporary after-image.
- 117 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 27)

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

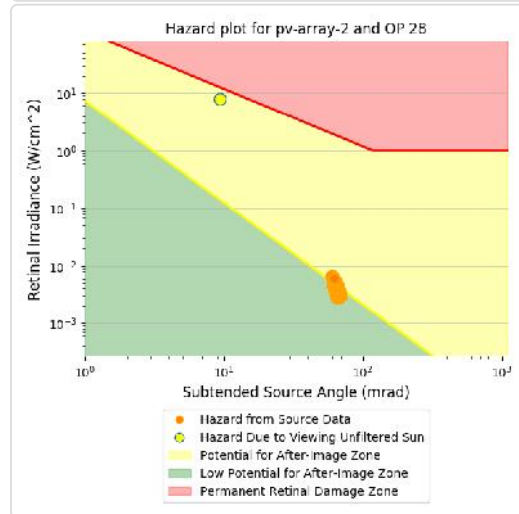
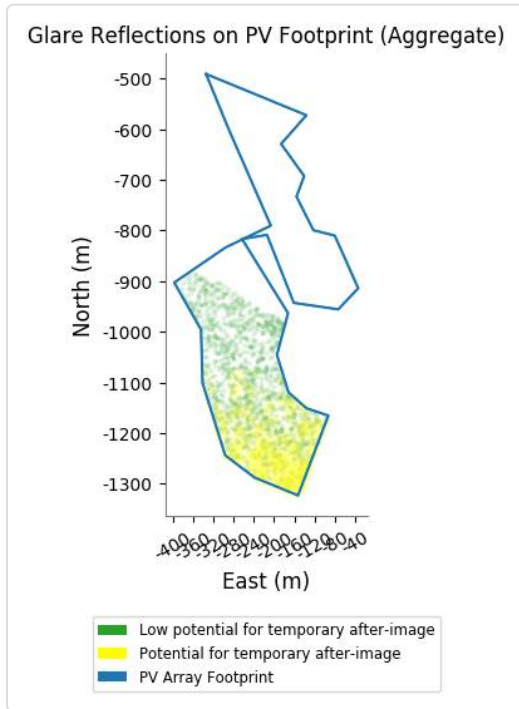
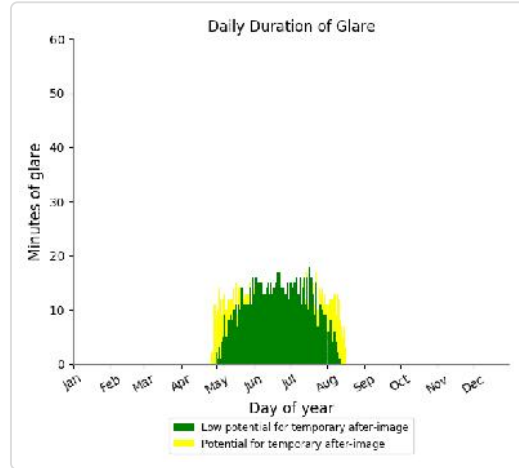
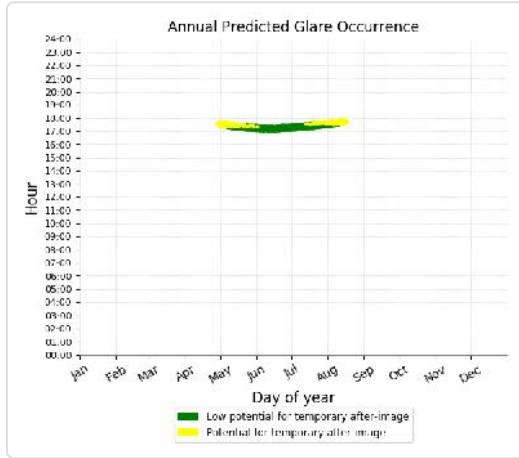
- 1,038 minutes of "green" glare with low potential to cause temporary after-image.
- 150 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 28)

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

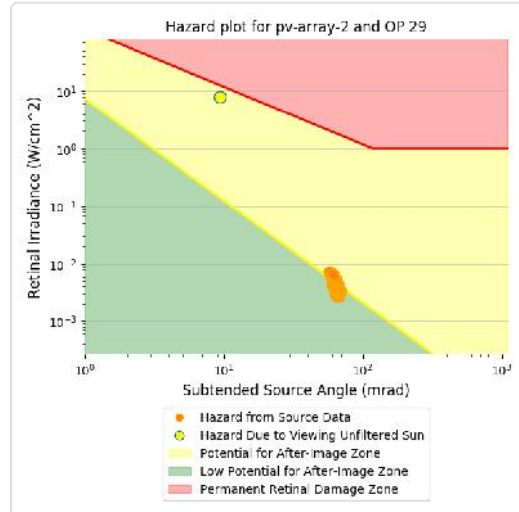
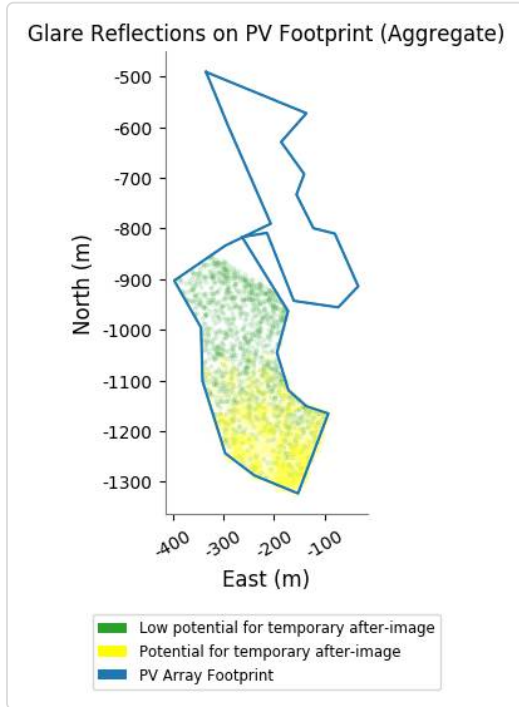
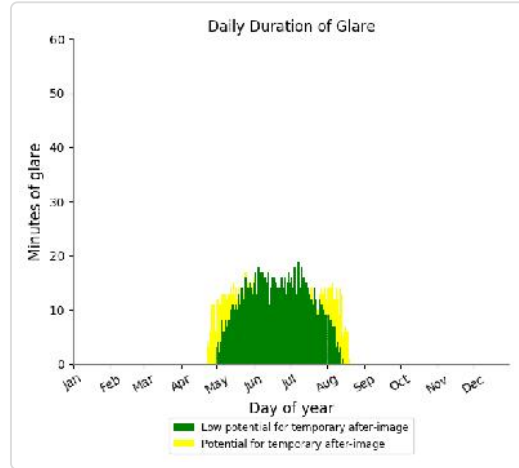
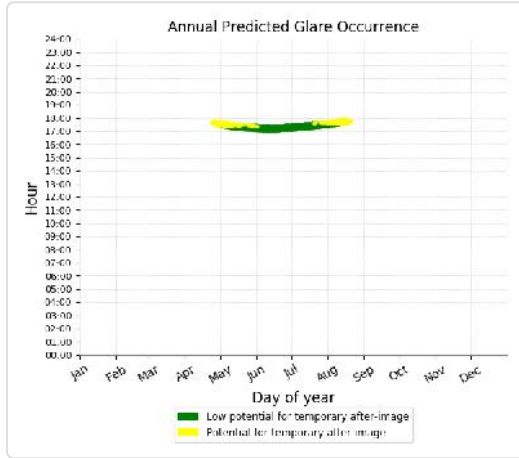
- 1,168 minutes of "green" glare with low potential to cause temporary after-image.
- 271 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 29)

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

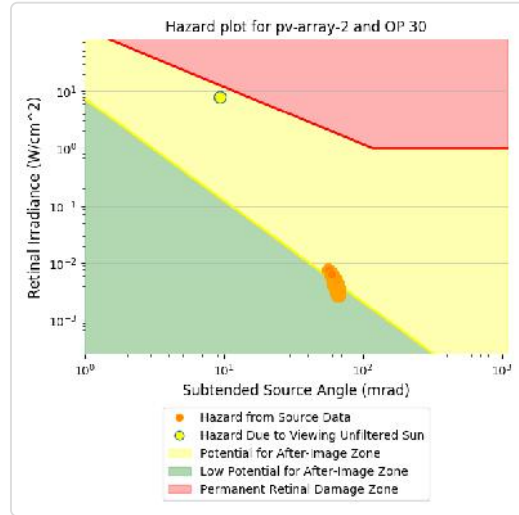
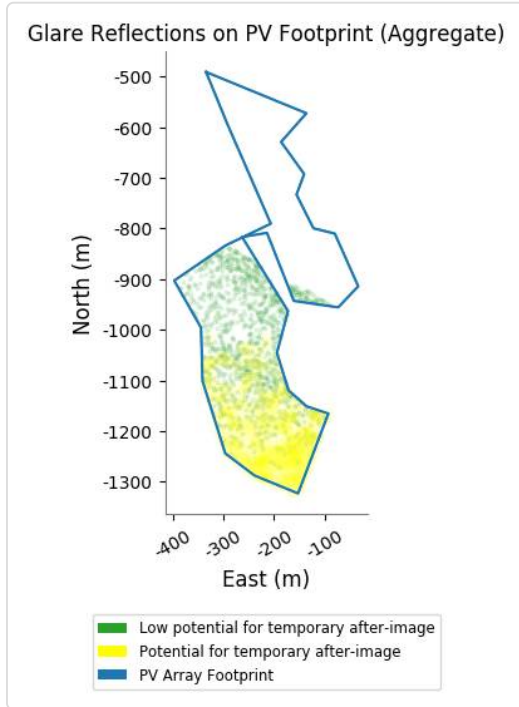
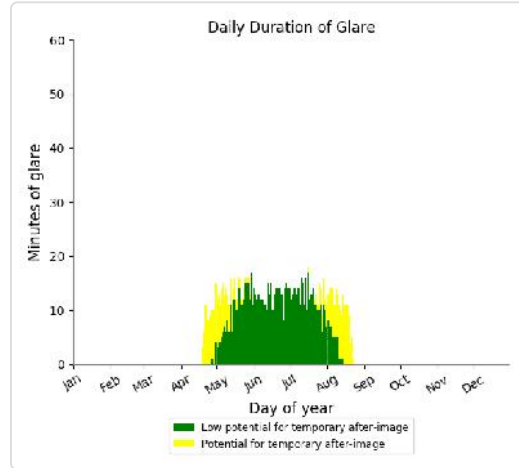
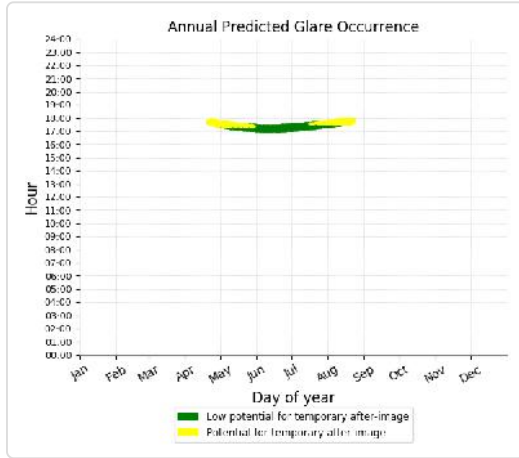
- 1,273 minutes of "green" glare with low potential to cause temporary after-image.
- 322 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 30)

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

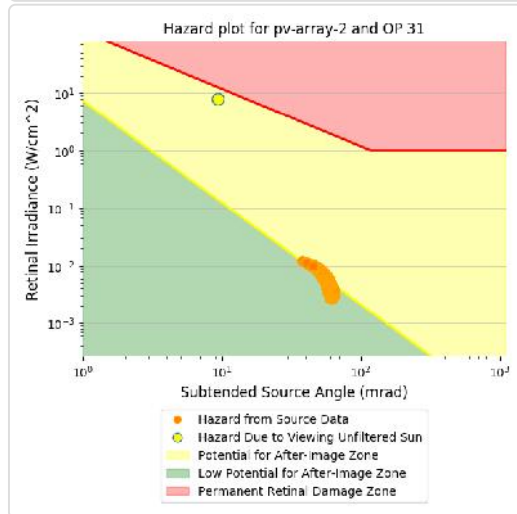
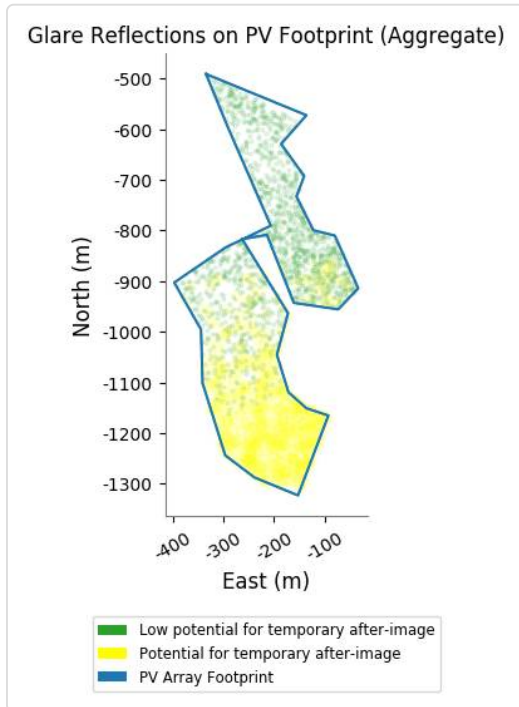
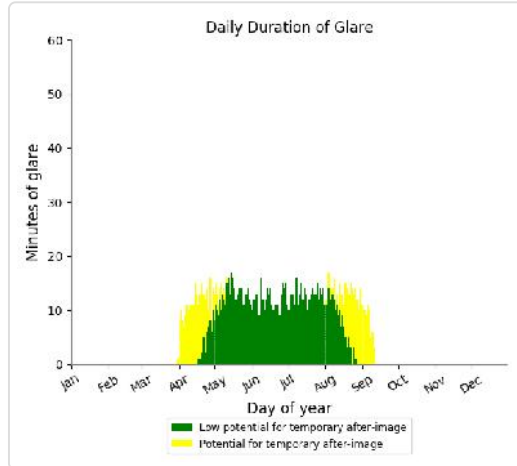
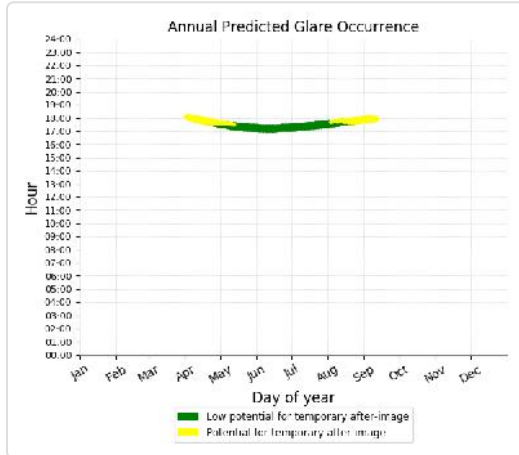
- 1,146 minutes of "green" glare with low potential to cause temporary after-image.
- 437 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 31)

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

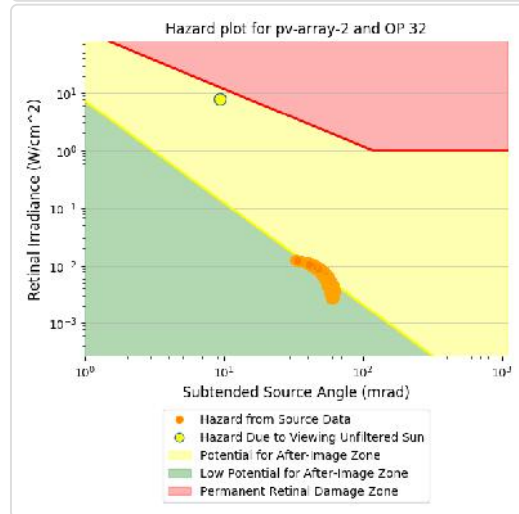
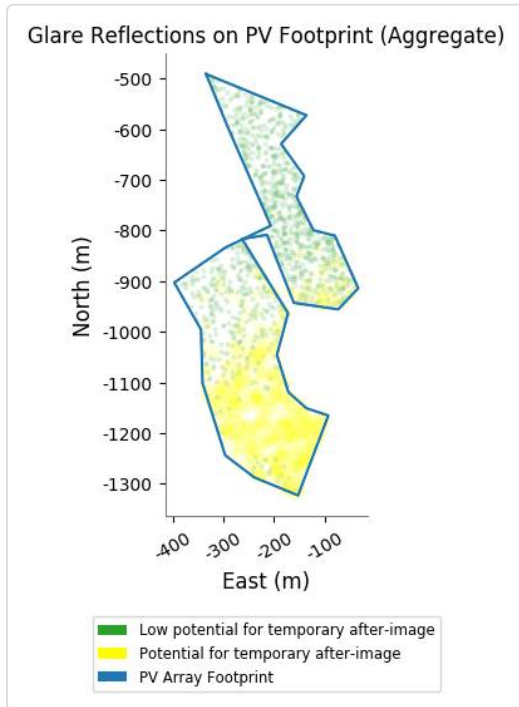
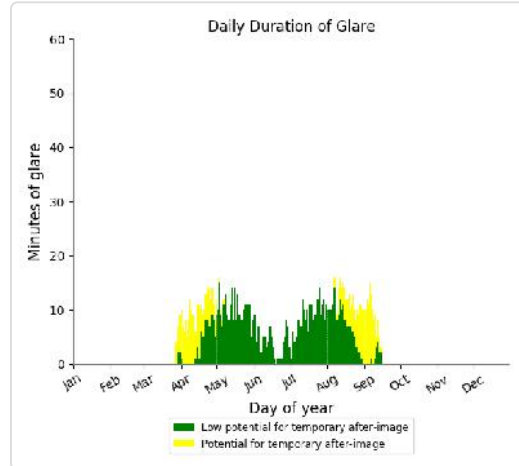
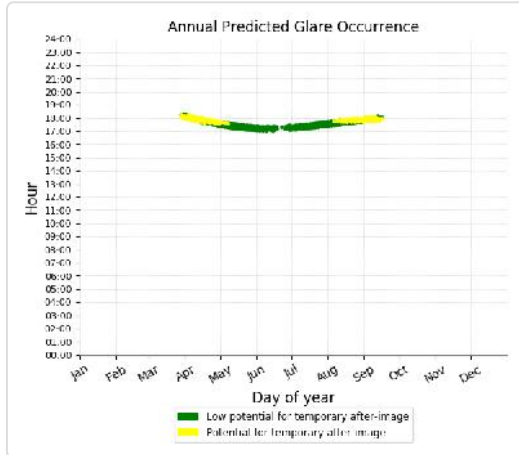
- 1,429 minutes of "green" glare with low potential to cause temporary after-image.
- 599 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 32)

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

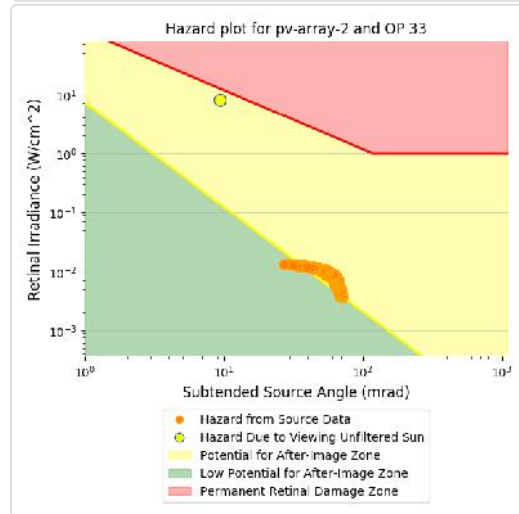
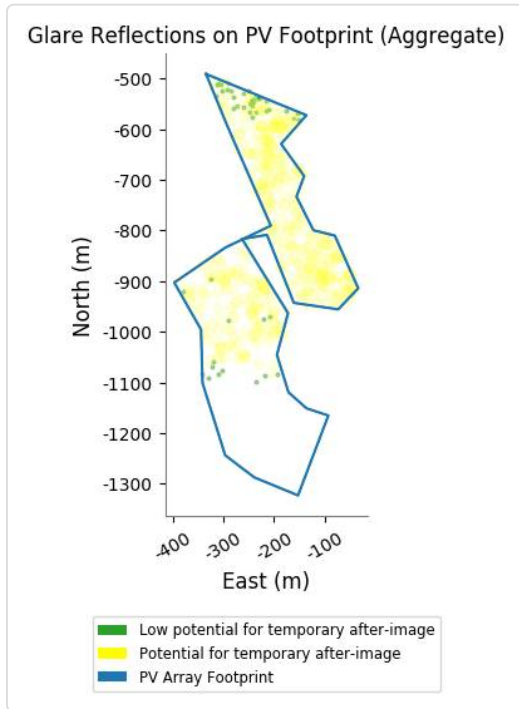
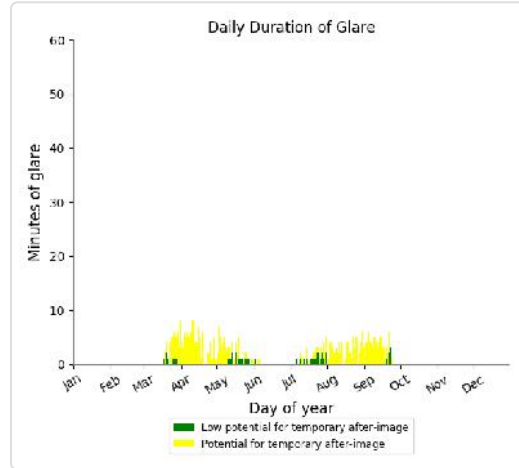
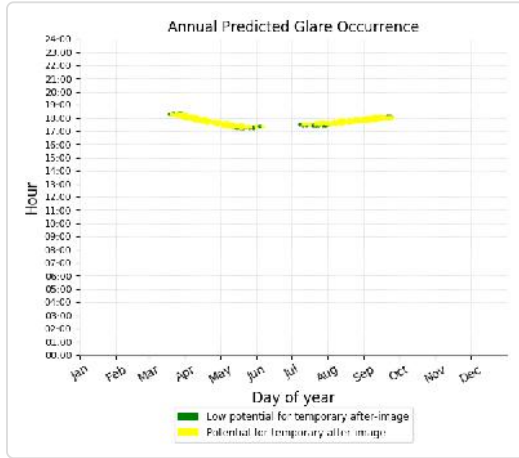
- 1,037 minutes of "green" glare with low potential to cause temporary after-image.
- 487 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 33)

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

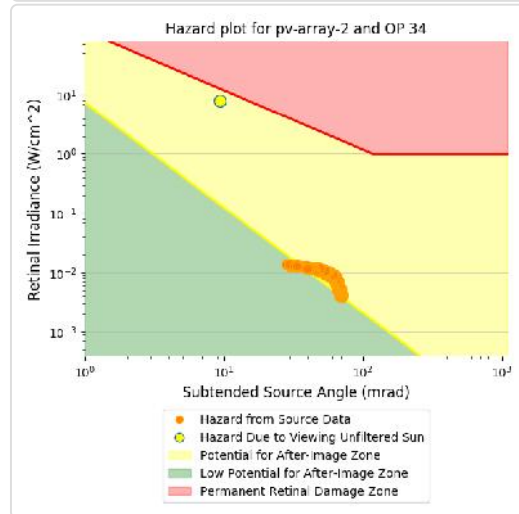
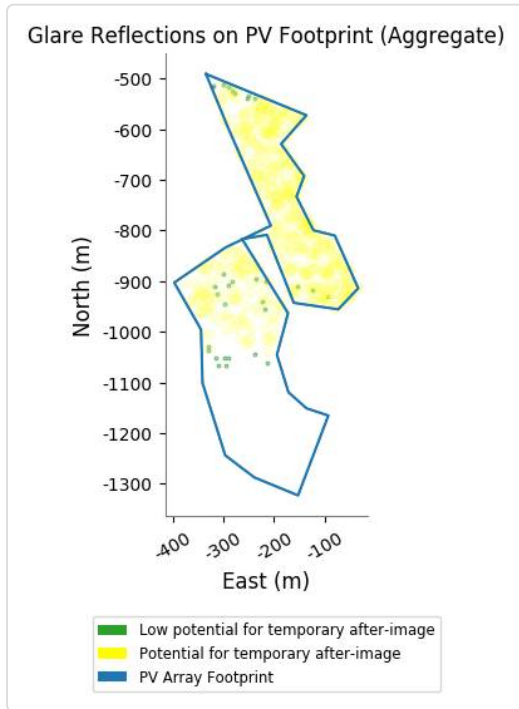
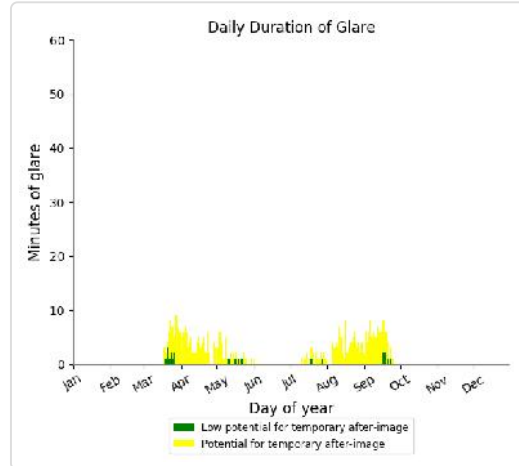
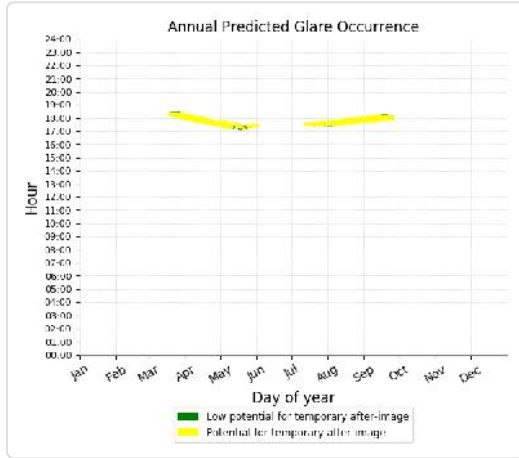
- 47 minutes of "green" glare with low potential to cause temporary after-image.
- 412 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 34)

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

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



PV array 2 - OP Receptor (OP 35)

No glare found

PV array 2 - OP Receptor (OP 36)

No glare found

PV array 2 - OP Receptor (OP 37)

No glare found

PV array 2 - OP Receptor (OP 38)

No glare found

PV array 2 - OP Receptor (OP 39)

No glare found

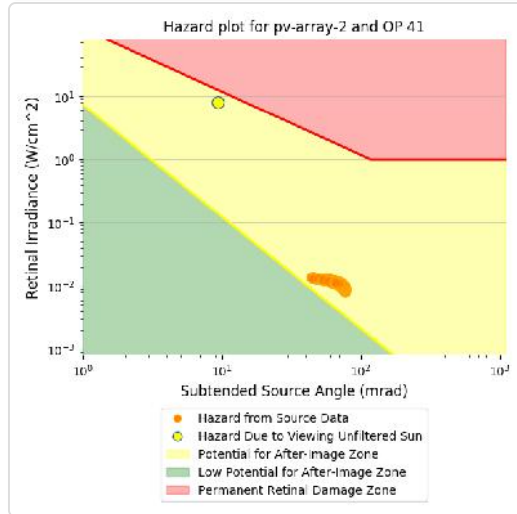
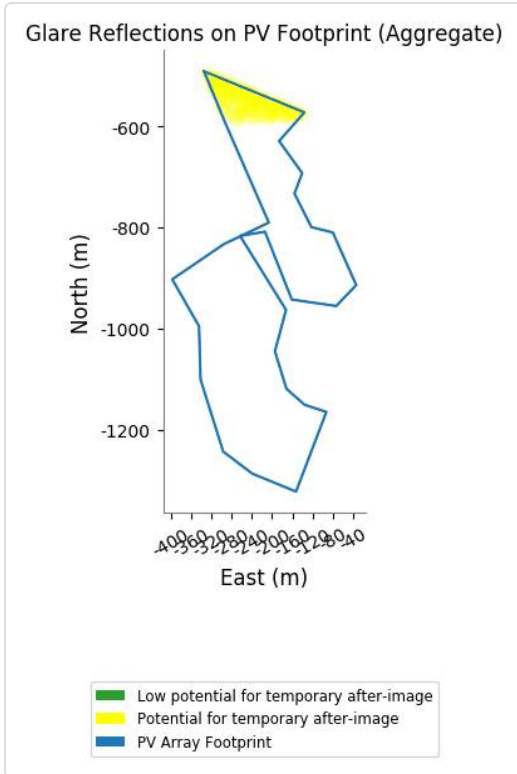
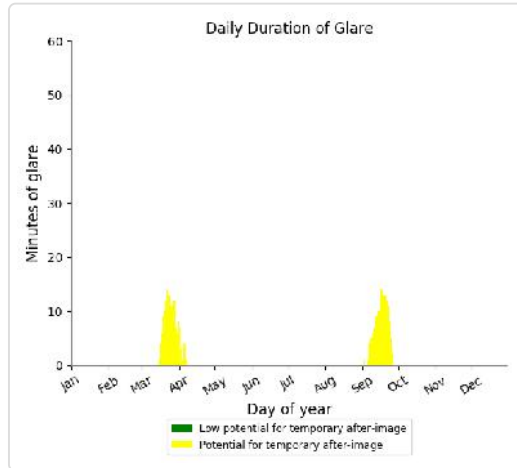
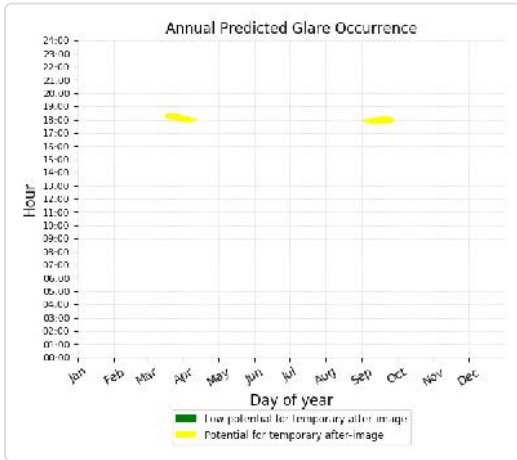
PV array 2 - OP Receptor (OP 40)

No glare found

PV array 2 - OP Receptor (OP 41)

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

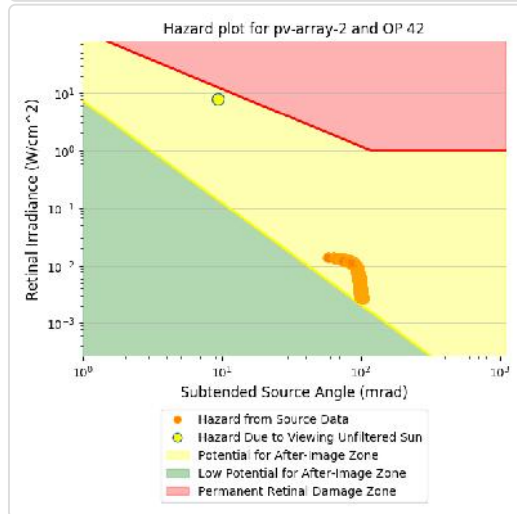
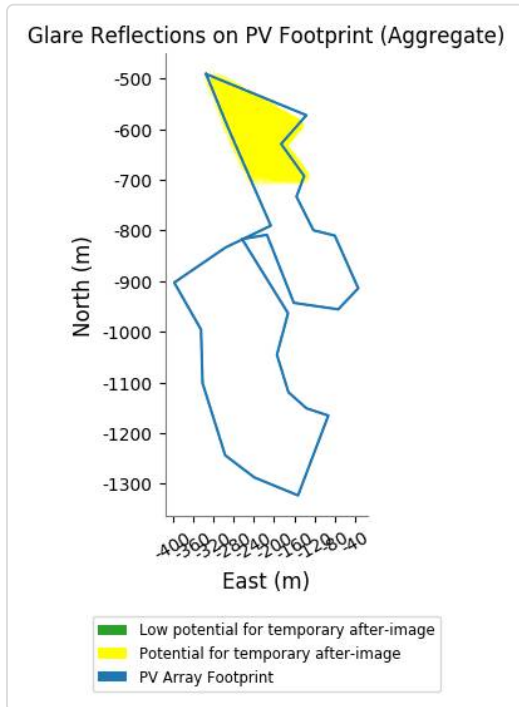
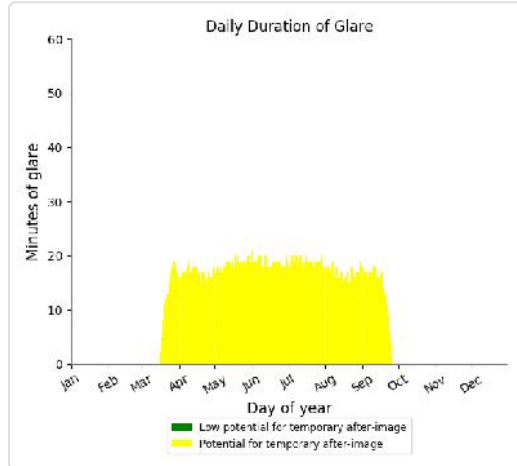
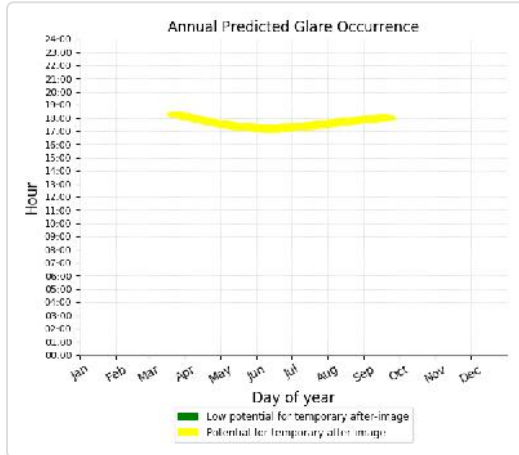
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 362 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 42)

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

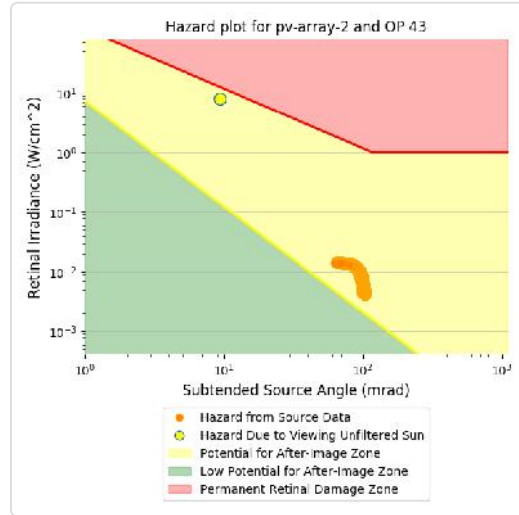
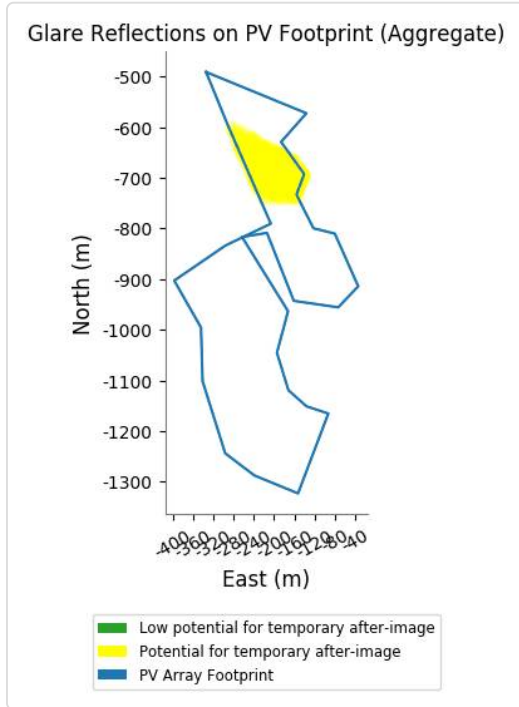
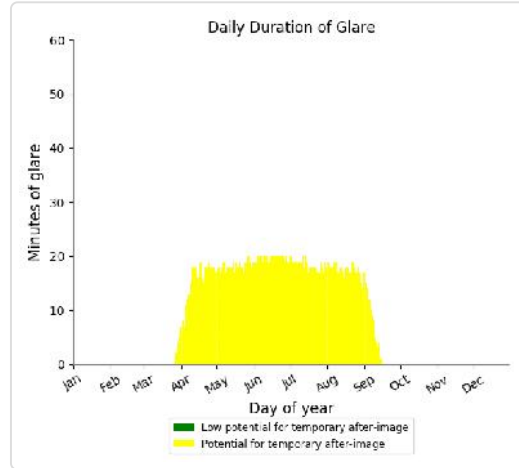
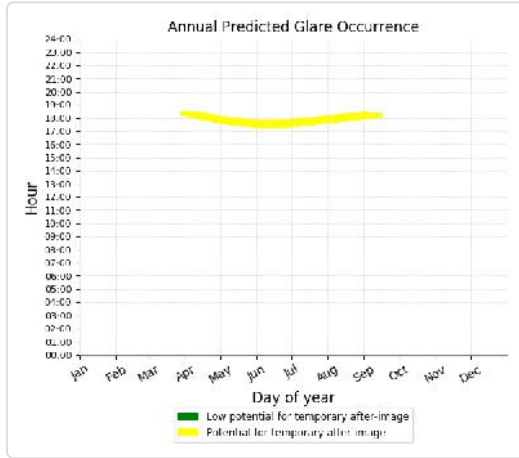
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,352 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 43)

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

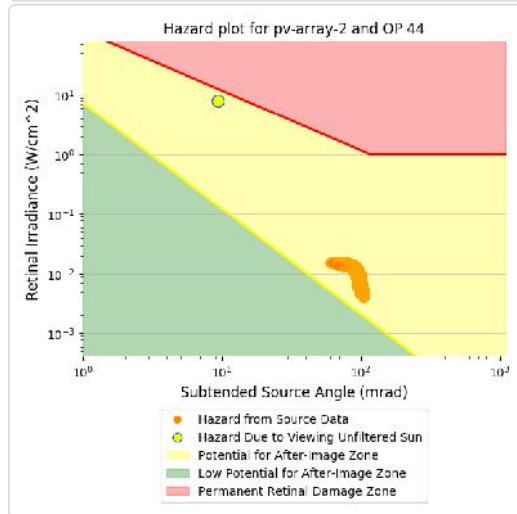
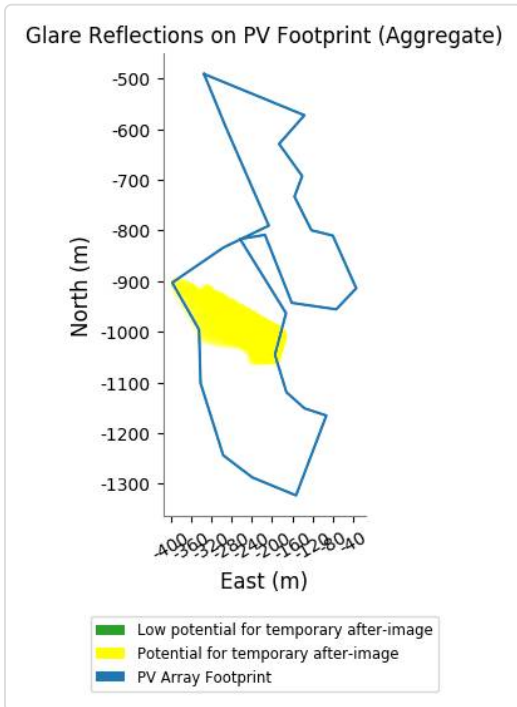
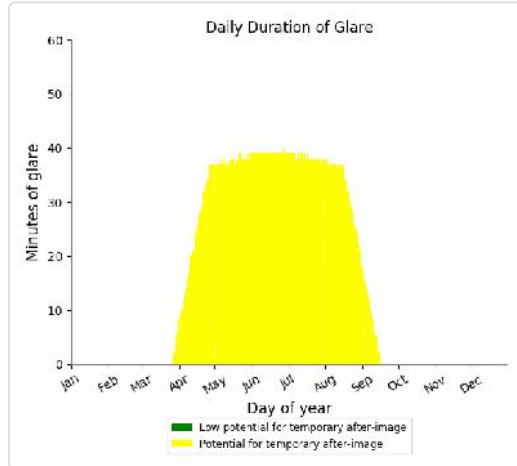
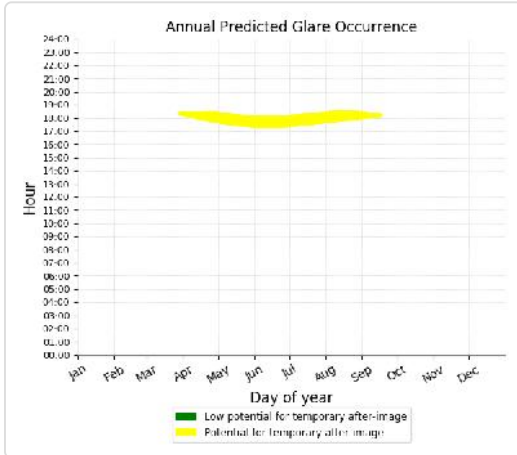
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,879 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 44)

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.
- 5,432 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 2 - OP Receptor (OP 45)

No glare found

PV array 2 - OP Receptor (OP 46)

No glare found

PV array 2 - OP Receptor (OP 47)

No glare found

PV array 2 - OP Receptor (OP 48)

No glare found

PV array 2 - OP Receptor (OP 49)

No glare found

PV array 2 - OP Receptor (OP 50)

No glare found



PV array 3 potential temporary after-image

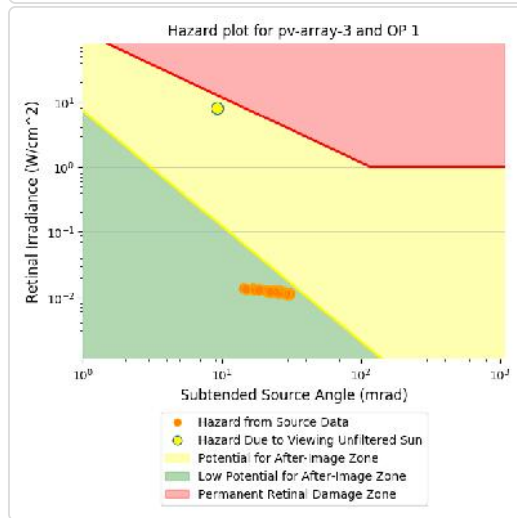
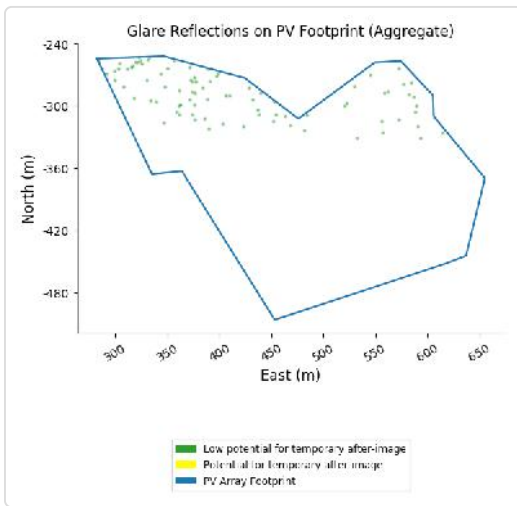
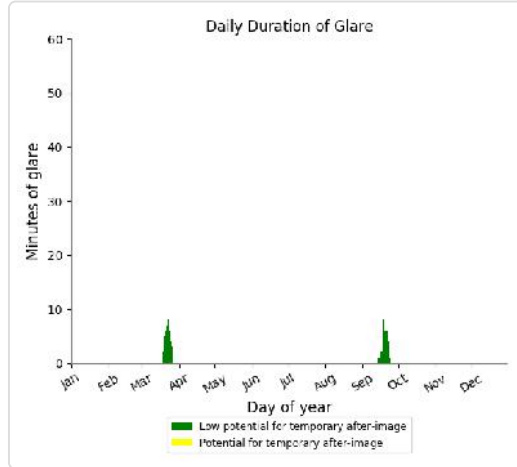
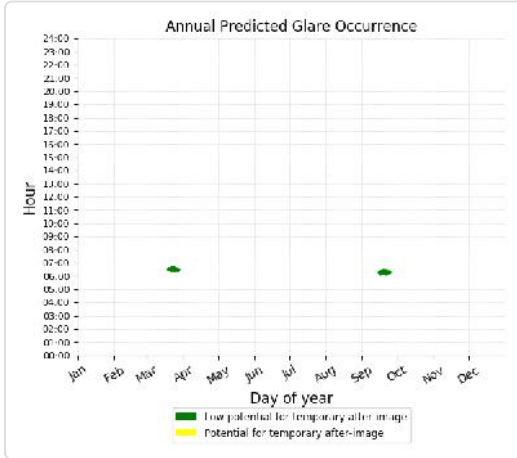
Component	Green glare (min)	Yellow glare (min)
OP: OP 1	86	0
OP: OP 2	1262	0
OP: OP 3	1340	0
OP: OP 4	1656	260
OP: OP 5	1825	740
OP: OP 6	603	1449
OP: OP 7	311	1501
OP: OP 8	276	1717
OP: OP 9	2267	108
OP: OP 10	3050	32
OP: OP 11	3307	0
OP: OP 12	1686	0
OP: OP 13	1619	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	546	554
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	3859
OP: OP 39	4	4140
OP: OP 40	3	3826
OP: OP 41	894	1940
OP: OP 42	245	2249
OP: OP 43	413	1646
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	0

OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0

PV array 3 - OP Receptor (OP 1)

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

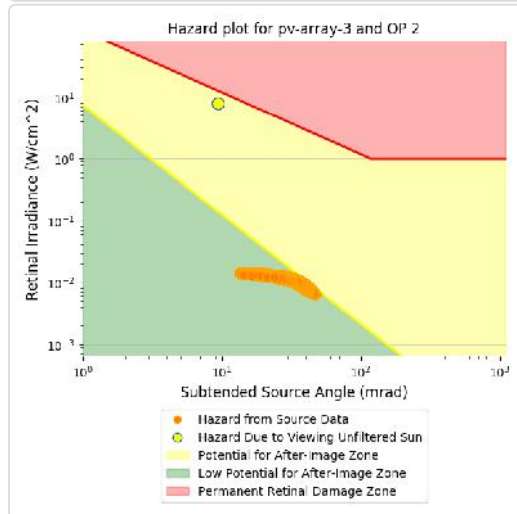
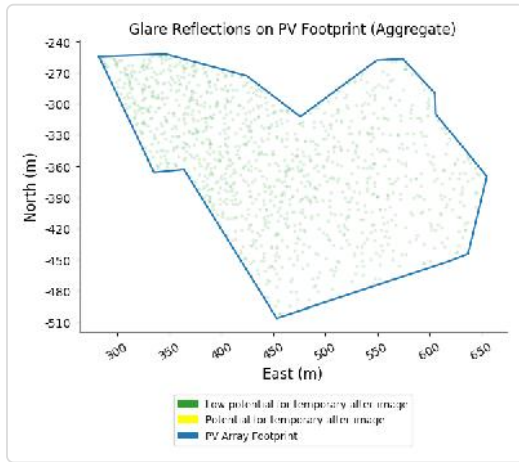
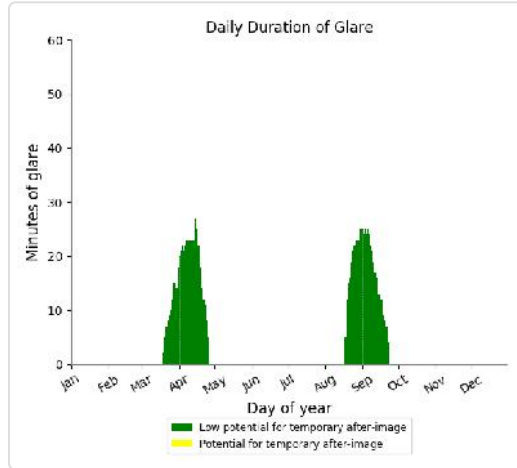
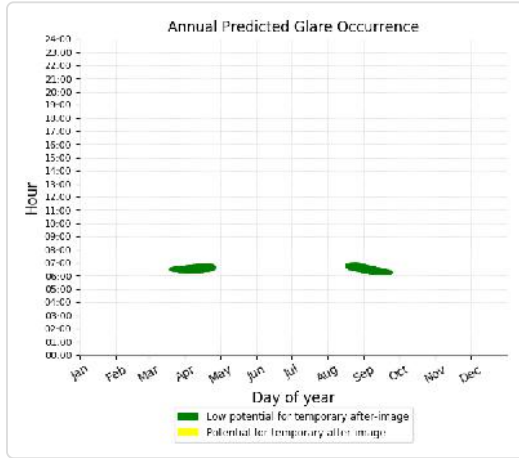
- 86 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 2)

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

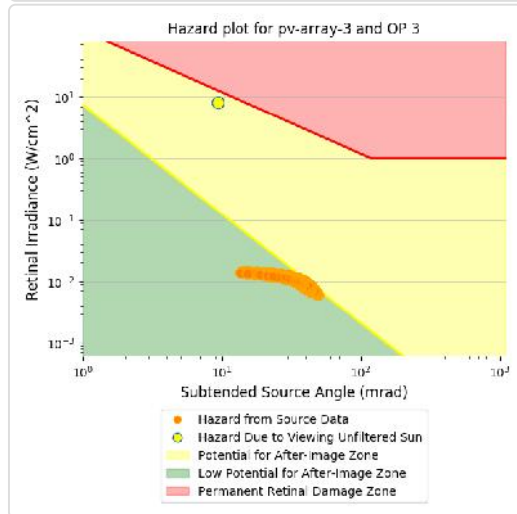
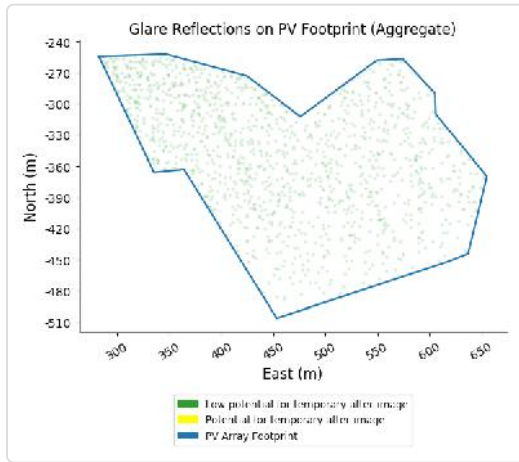
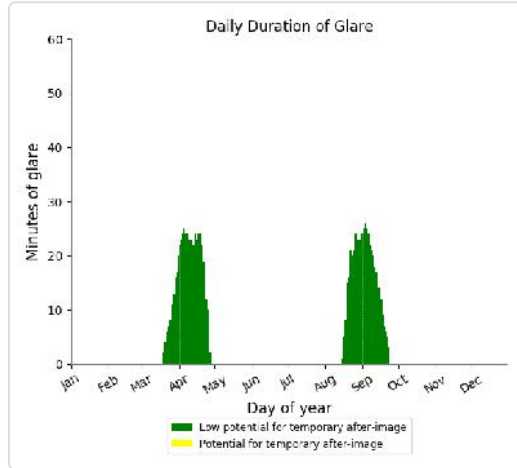
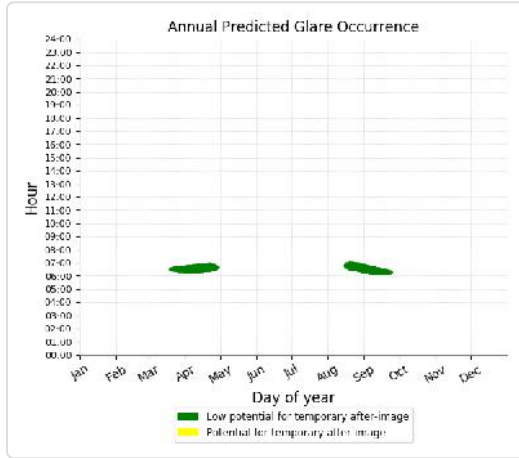
- 1,262 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 3)

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

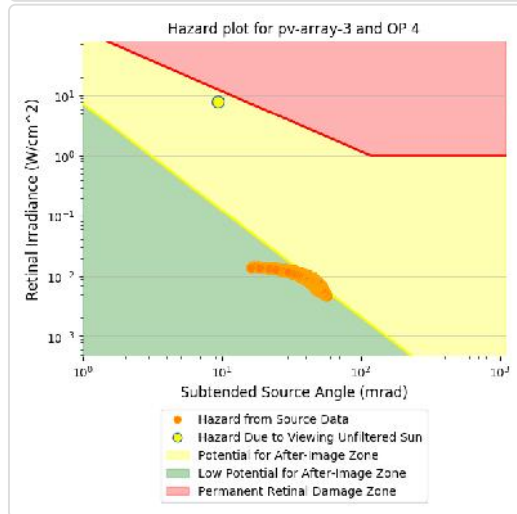
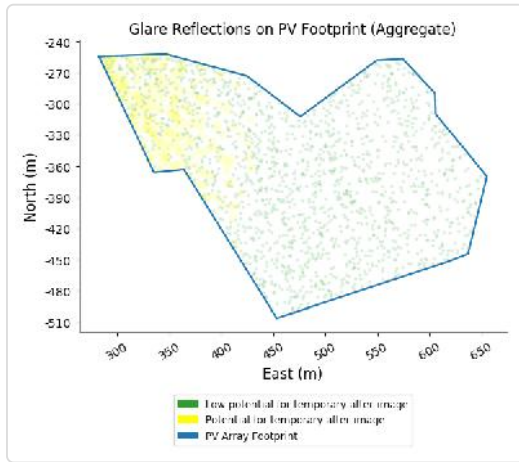
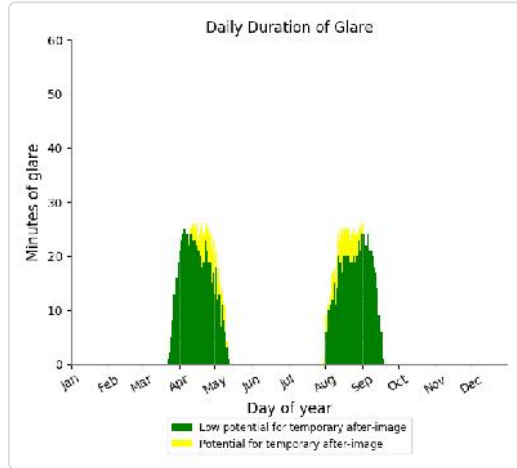
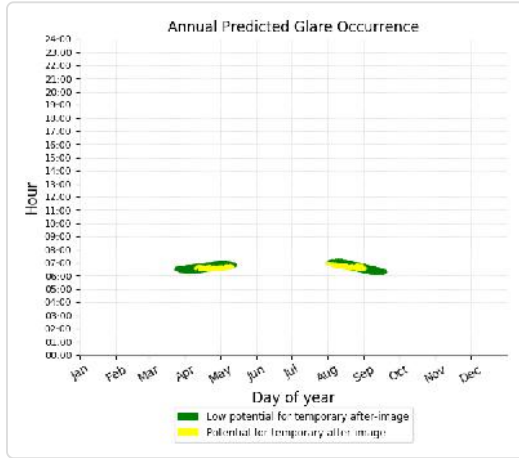
- 1,340 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 4)

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

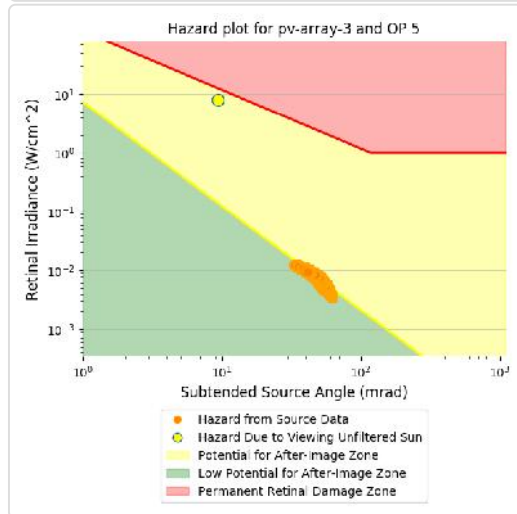
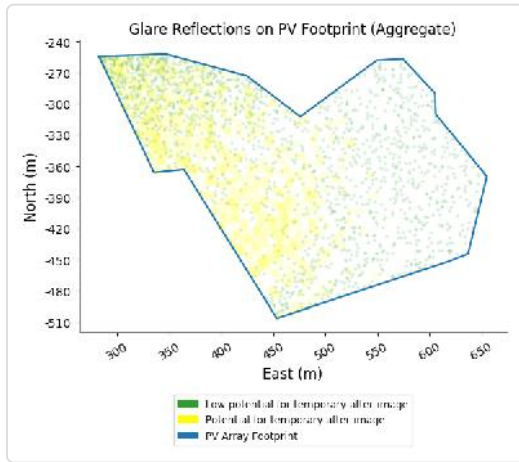
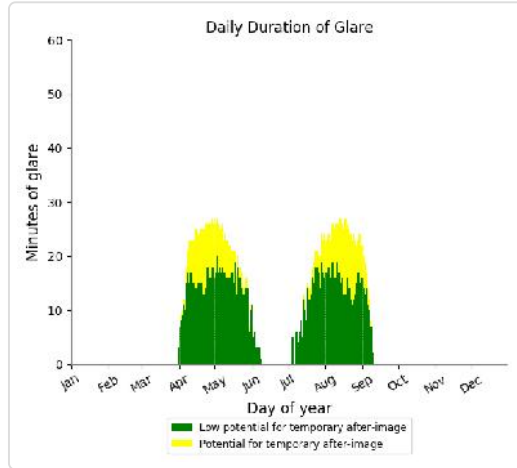
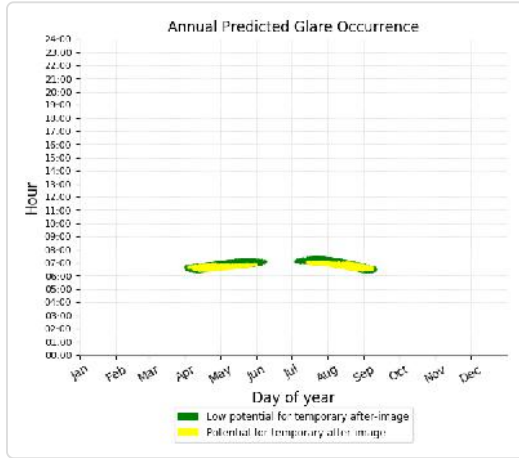
- 1,656 minutes of "green" glare with low potential to cause temporary after-image.
- 260 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 5)

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

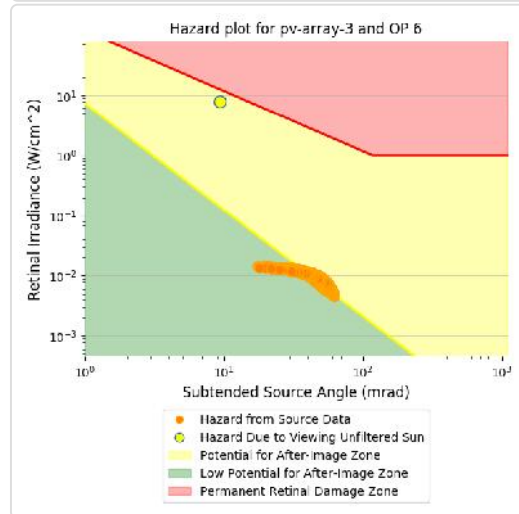
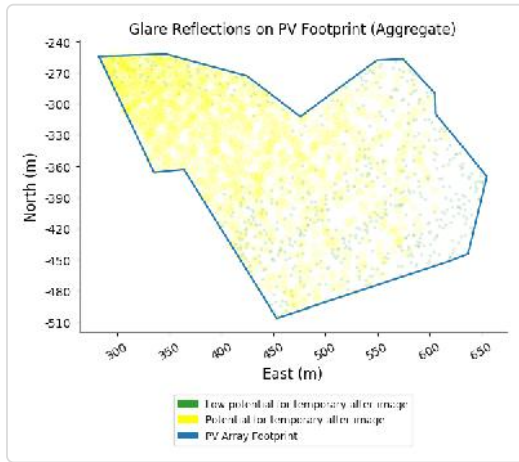
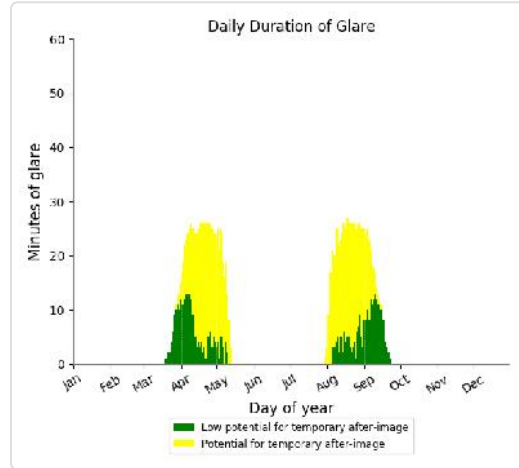
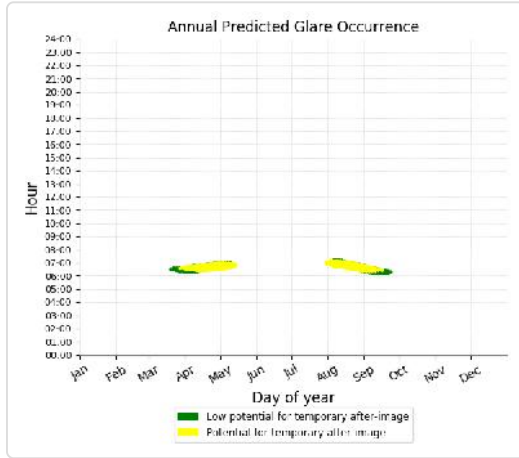
- 1,825 minutes of "green" glare with low potential to cause temporary after-image.
- 740 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 6)

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

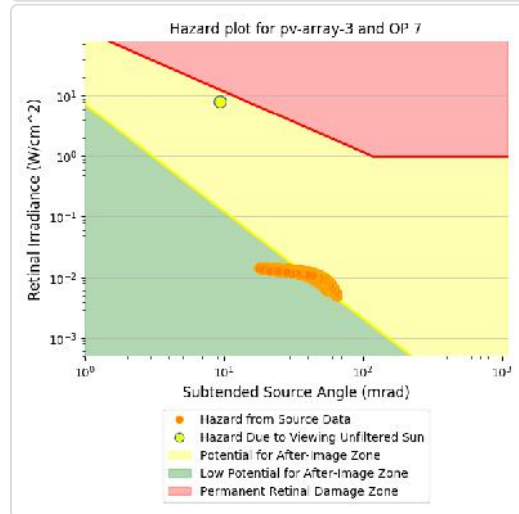
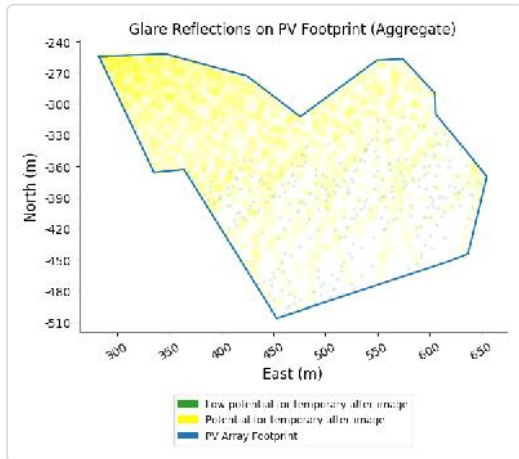
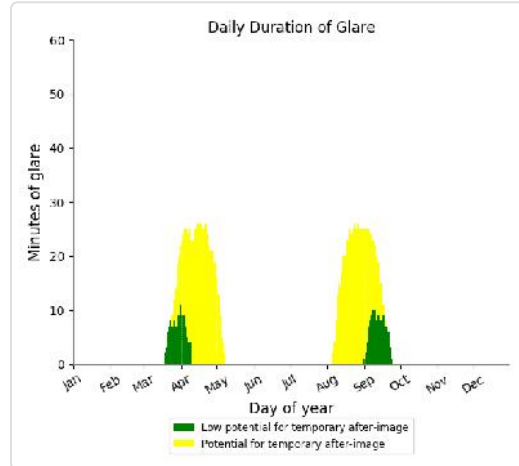
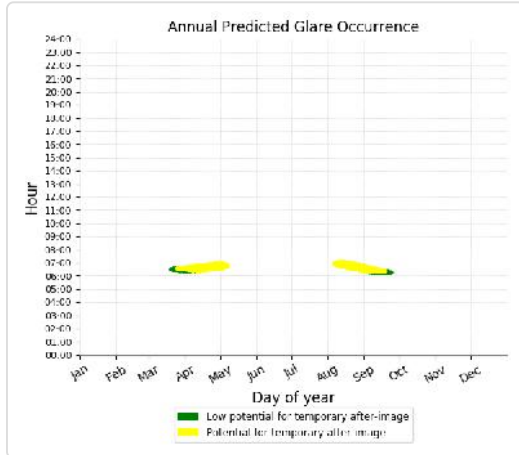
- 603 minutes of "green" glare with low potential to cause temporary after-image.
- 1,449 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 7)

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

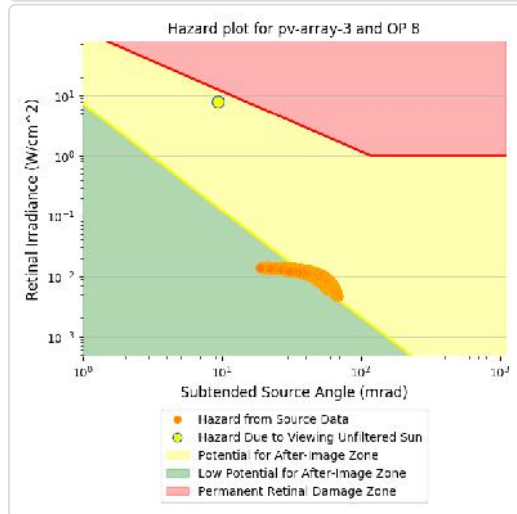
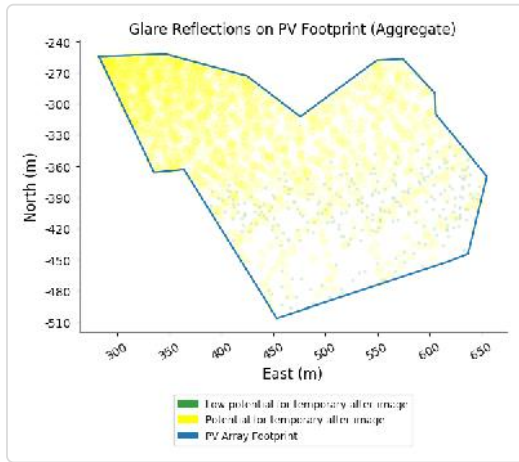
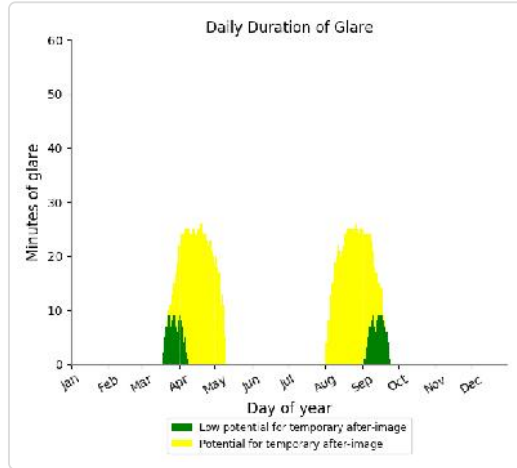
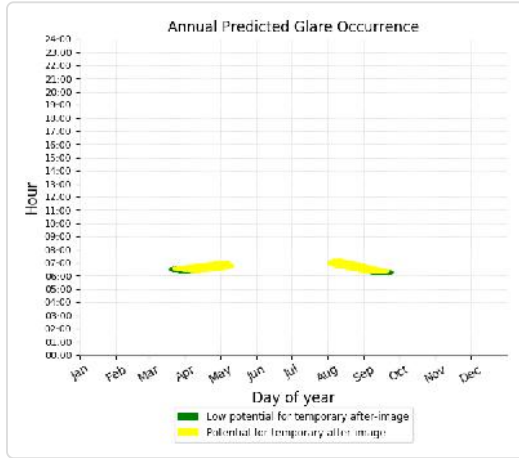
- 311 minutes of "green" glare with low potential to cause temporary after-image.
- 1,501 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 8)

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

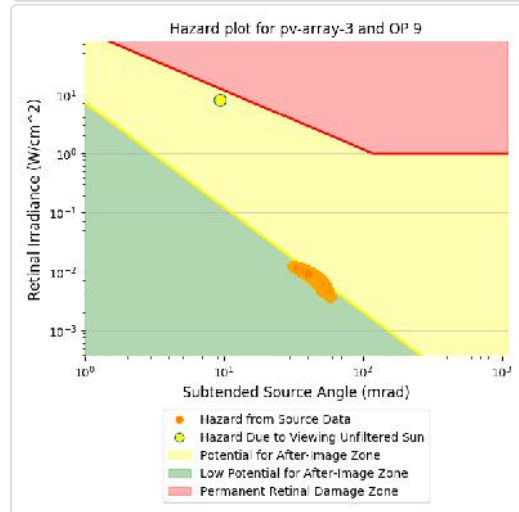
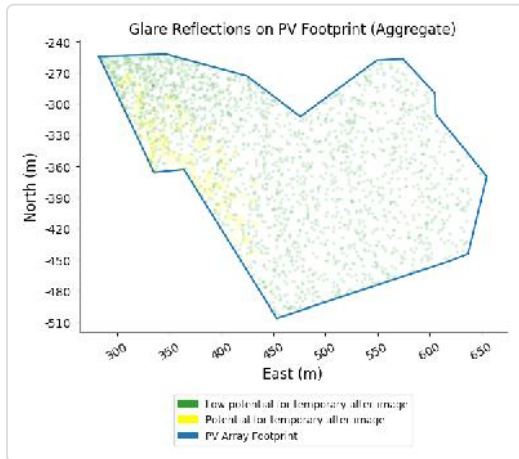
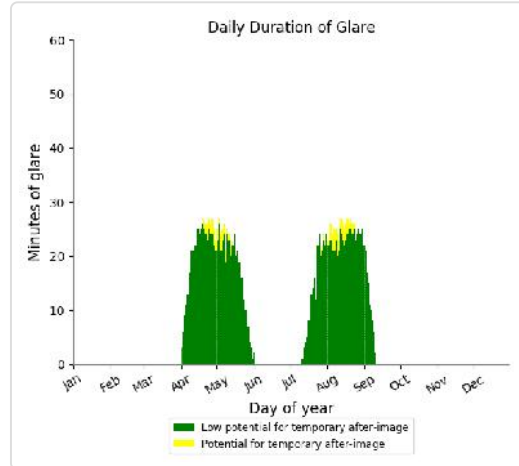
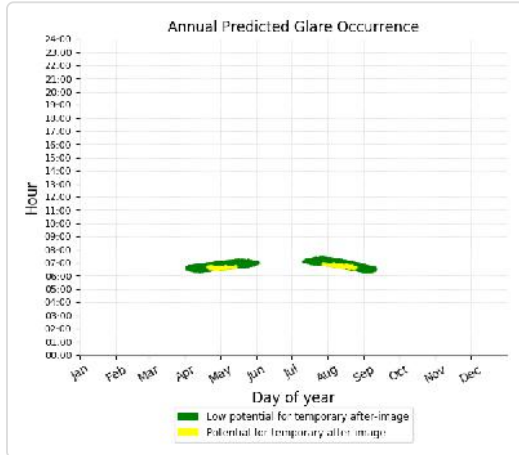
- 276 minutes of "green" glare with low potential to cause temporary after-image.
- 1,717 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 9)

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

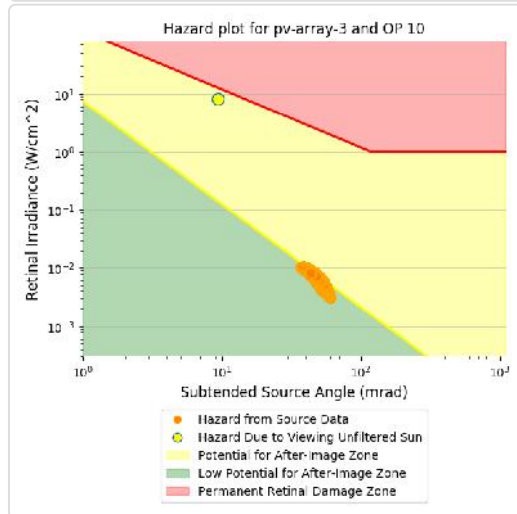
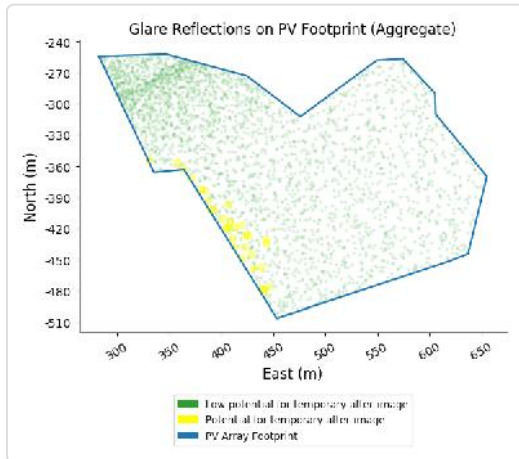
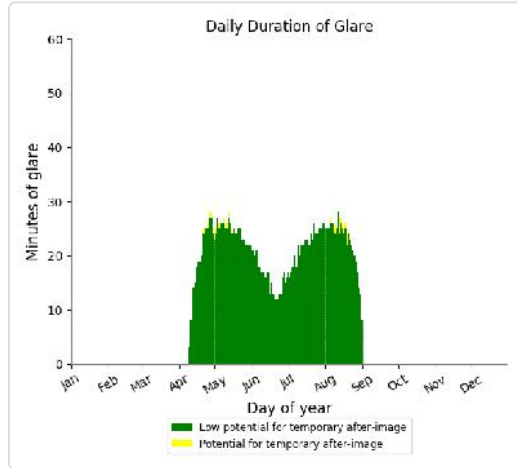
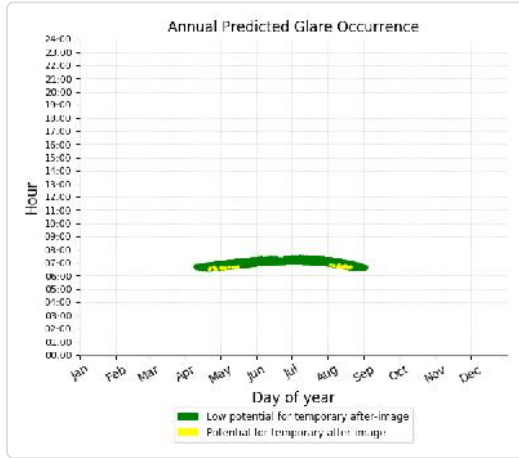
- 2,267 minutes of "green" glare with low potential to cause temporary after-image.
- 108 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 10)

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

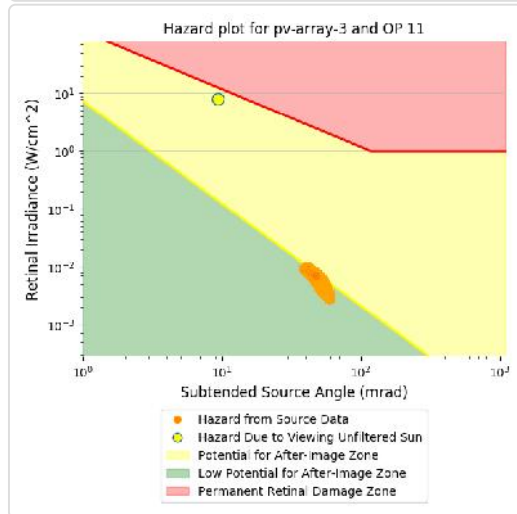
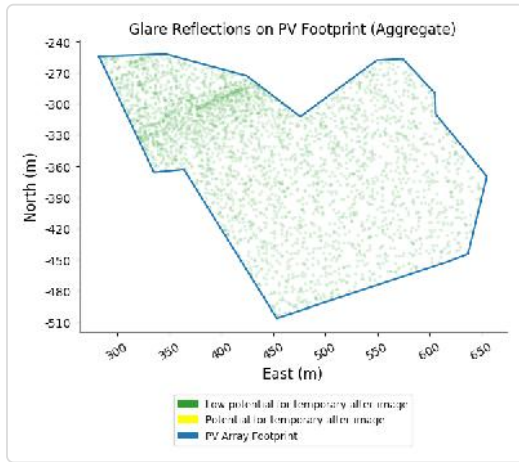
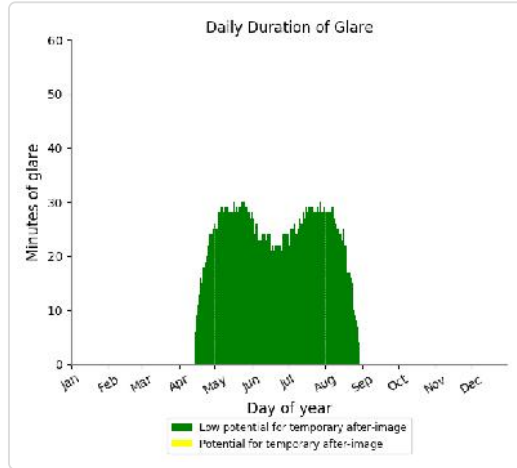
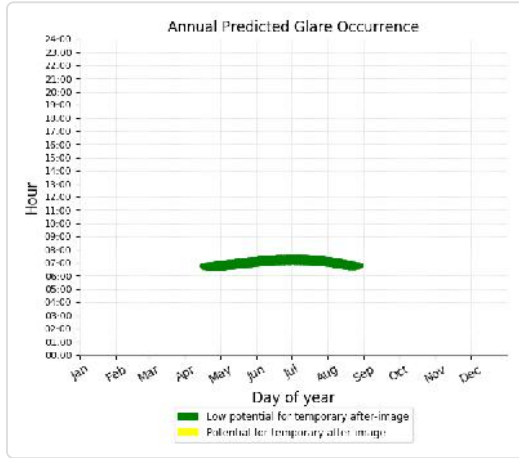
- 3,050 minutes of "green" glare with low potential to cause temporary after-image.
- 32 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 11)

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

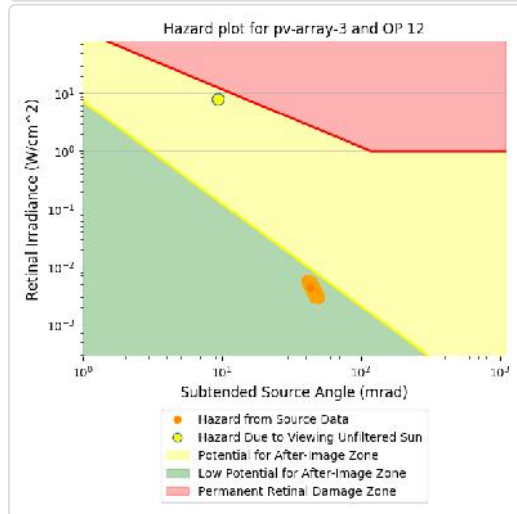
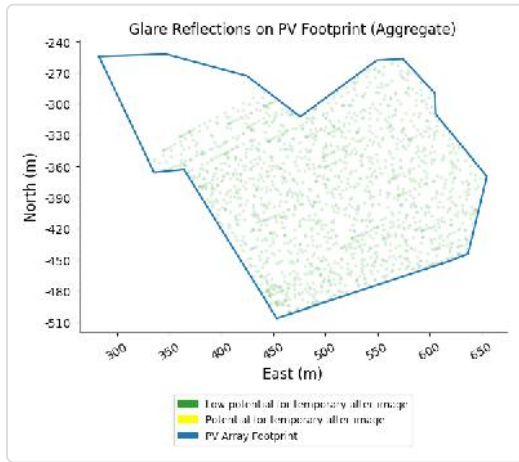
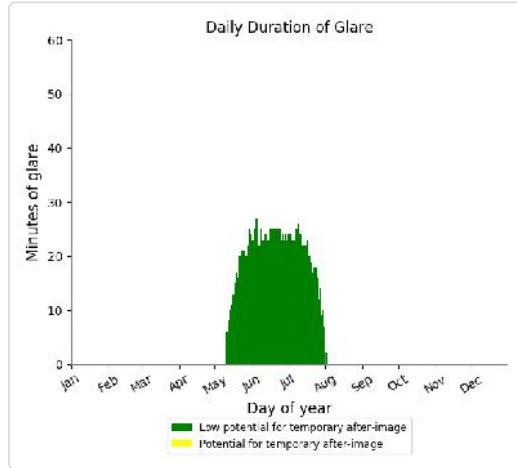
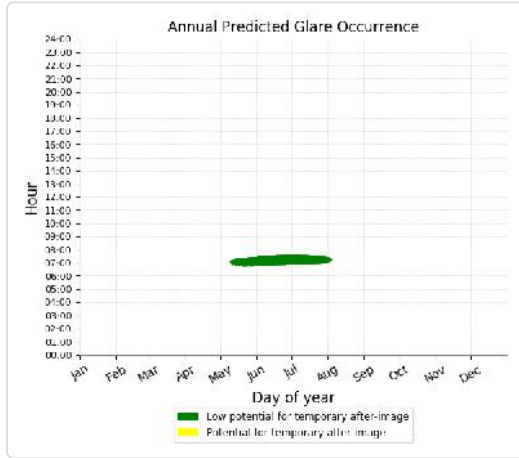
- 3,307 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 12)

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

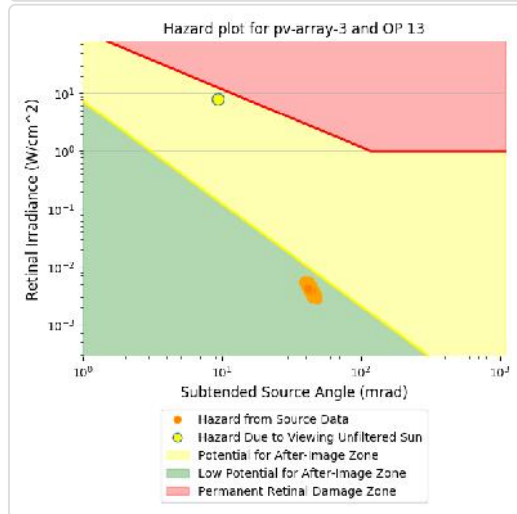
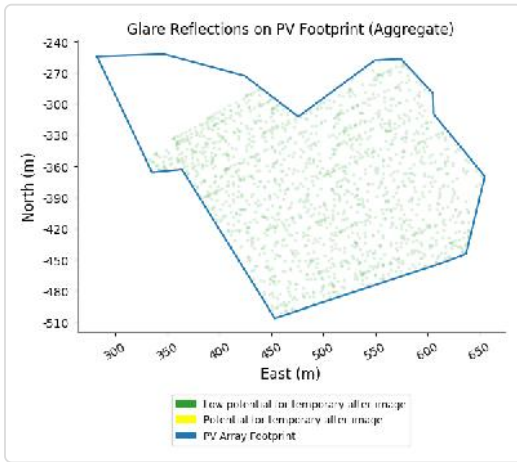
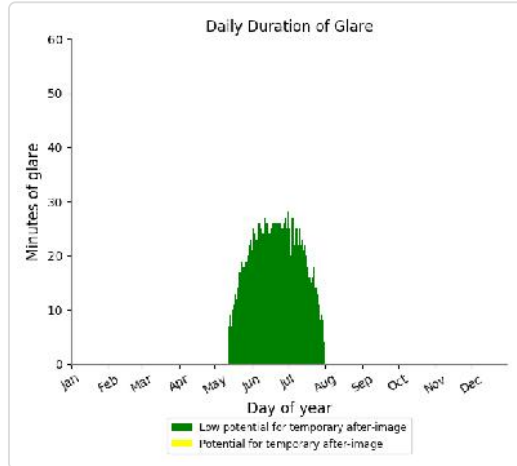
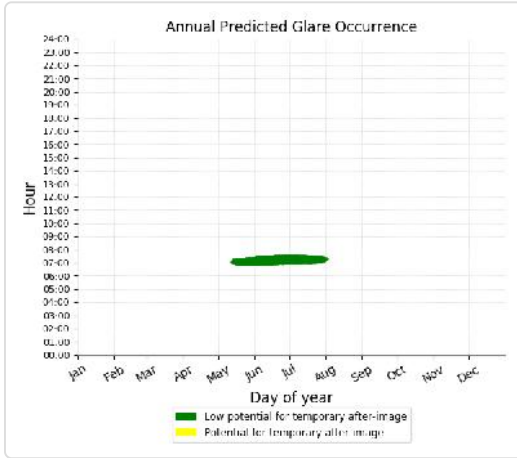
- 1,686 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 13)

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

- 1,619 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 14)

No glare found

PV array 3 - OP Receptor (OP 15)

No glare found

PV array 3 - OP Receptor (OP 16)

No glare found

PV array 3 - OP Receptor (OP 17)

No glare found

PV array 3 - OP Receptor (OP 18)

No glare found

PV array 3 - OP Receptor (OP 19)

No glare found

PV array 3 - OP Receptor (OP 20)

No glare found

PV array 3 - OP Receptor (OP 21)

No glare found

PV array 3 - OP Receptor (OP 22)

No glare found

PV array 3 - OP Receptor (OP 23)

No glare found

PV array 3 - OP Receptor (OP 24)

No glare found

PV array 3 - OP Receptor (OP 25)

No glare found

PV array 3 - OP Receptor (OP 26)

No glare found

PV array 3 - OP Receptor (OP 27)

No glare found

PV array 3 - OP Receptor (OP 28)

No glare found

PV array 3 - OP Receptor (OP 29)

No glare found

PV array 3 - OP Receptor (OP 30)

No glare found

PV array 3 - OP Receptor (OP 31)

No glare found

PV array 3 - OP Receptor (OP 32)

No glare found

PV array 3 - OP Receptor (OP 33)

No glare found

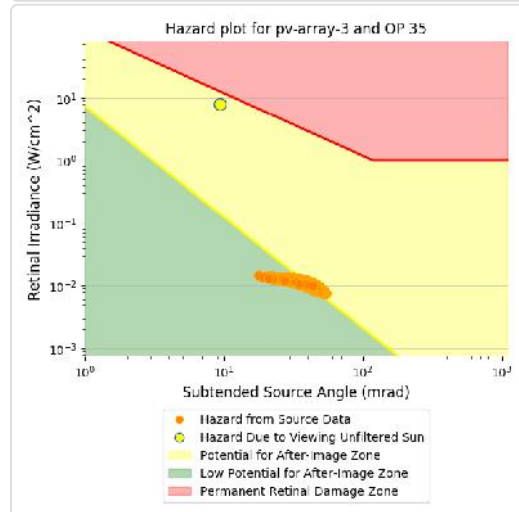
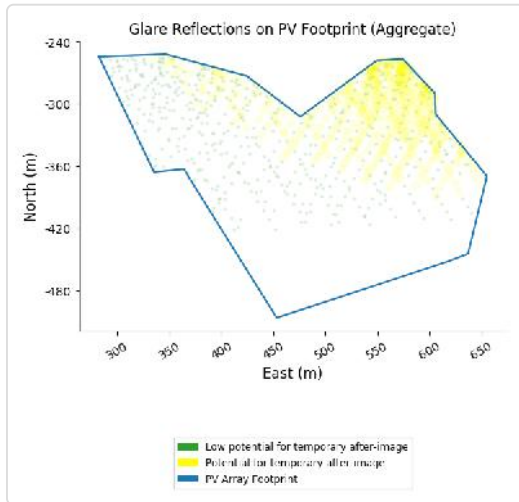
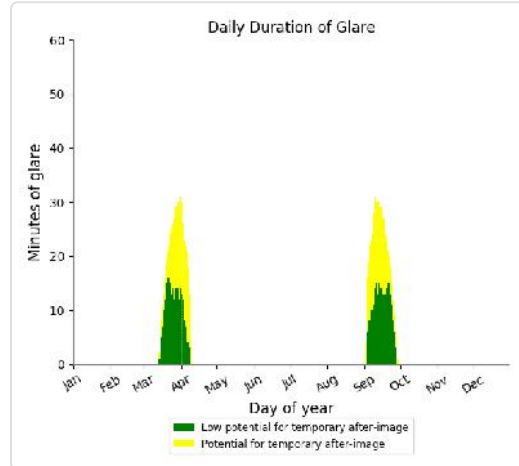
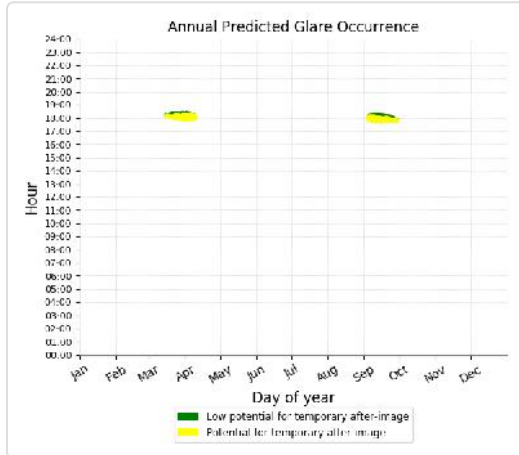
PV array 3 - OP Receptor (OP 34)

No glare found

PV array 3 - OP Receptor (OP 35)

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

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



PV array 3 - OP Receptor (OP 36)

No glare found

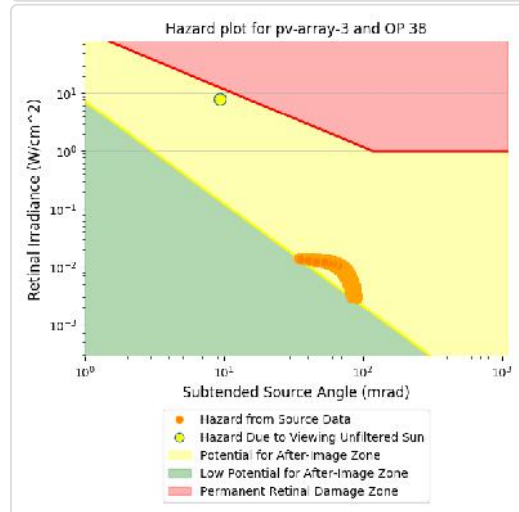
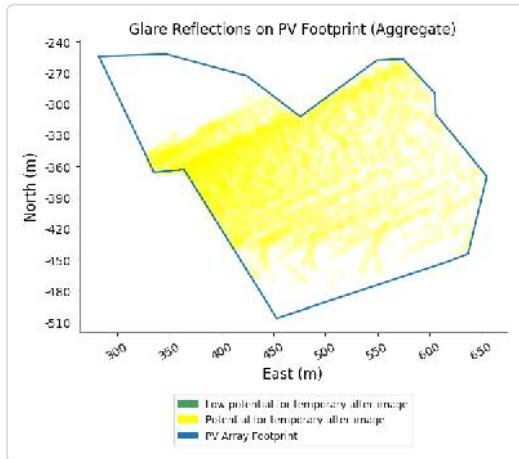
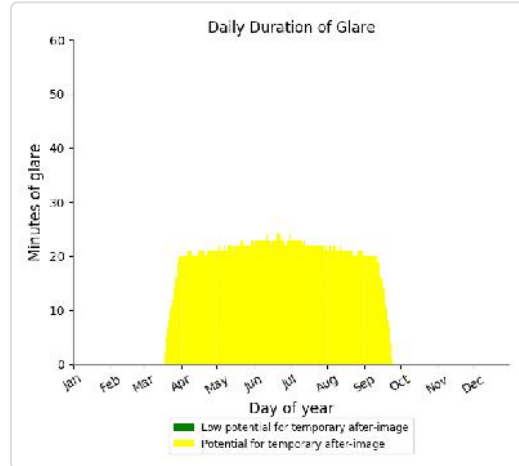
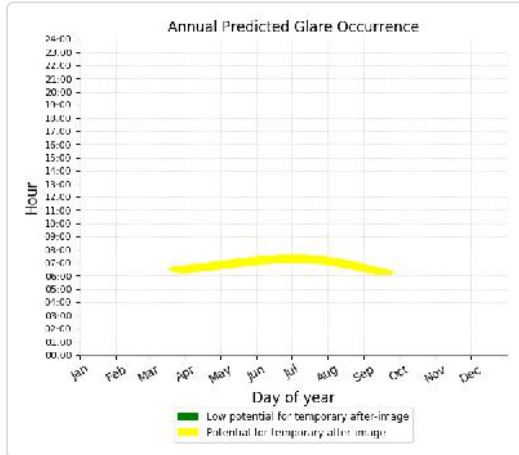
PV array 3 - OP Receptor (OP 37)

No glare found

PV array 3 - OP Receptor (OP 38)

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

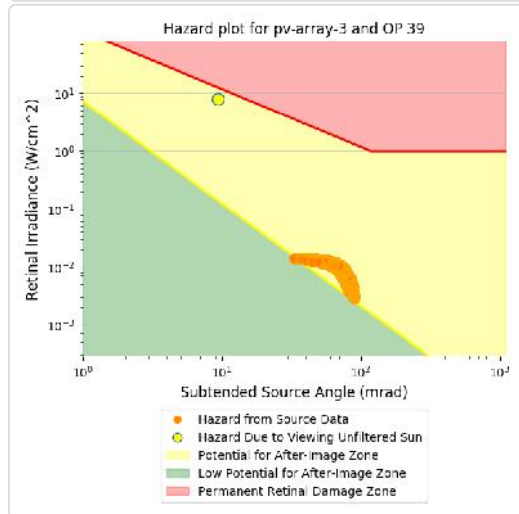
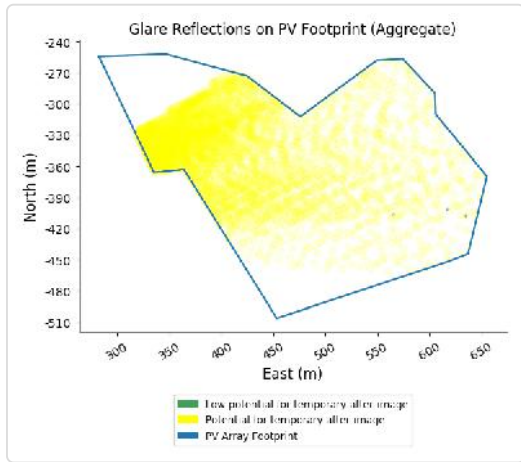
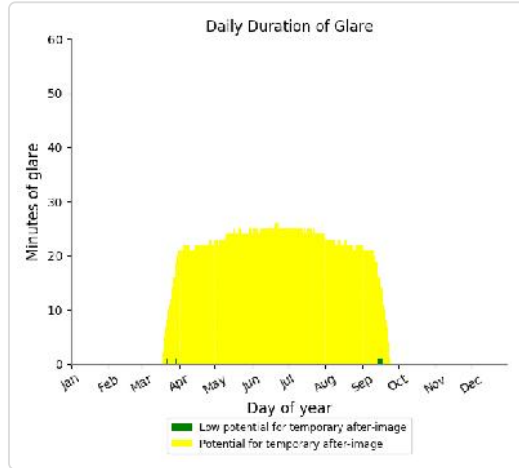
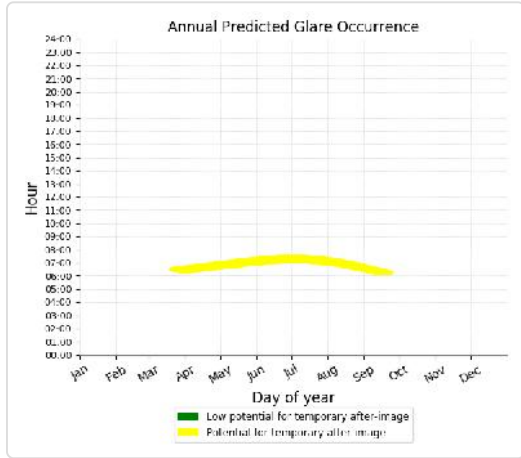
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,859 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 39)

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

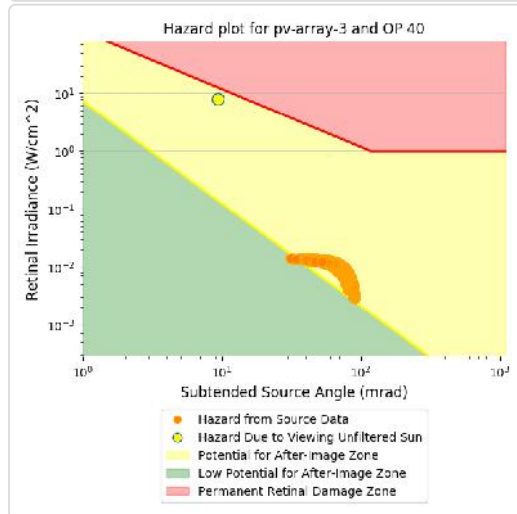
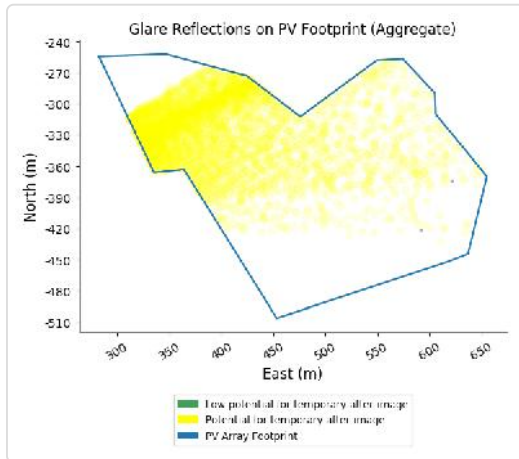
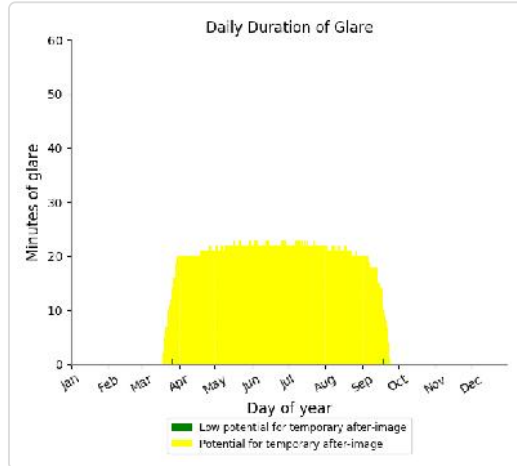
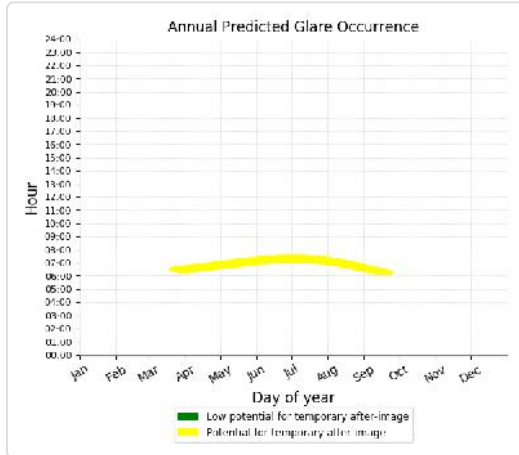
- 4 minutes of "green" glare with low potential to cause temporary after-image.
- 4,140 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 40)

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

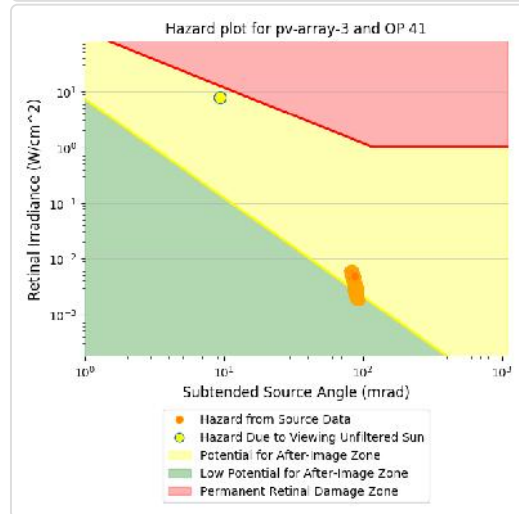
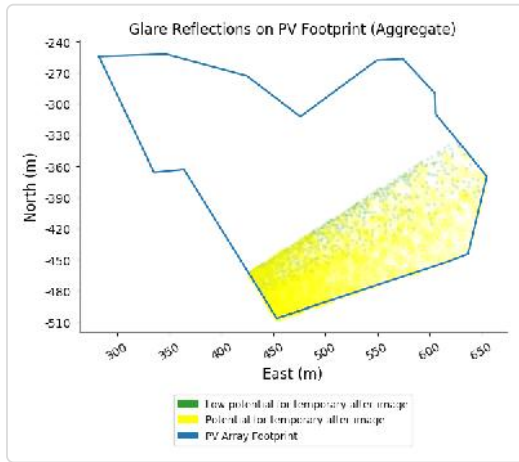
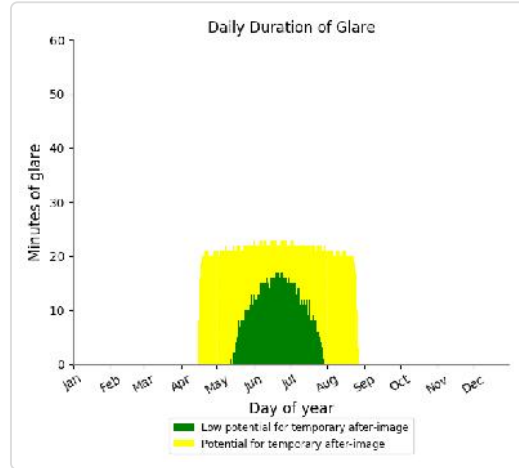
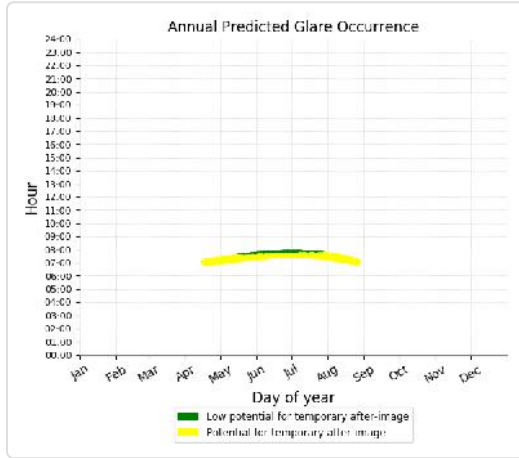
- 3 minutes of "green" glare with low potential to cause temporary after-image.
- 3,826 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 41)

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

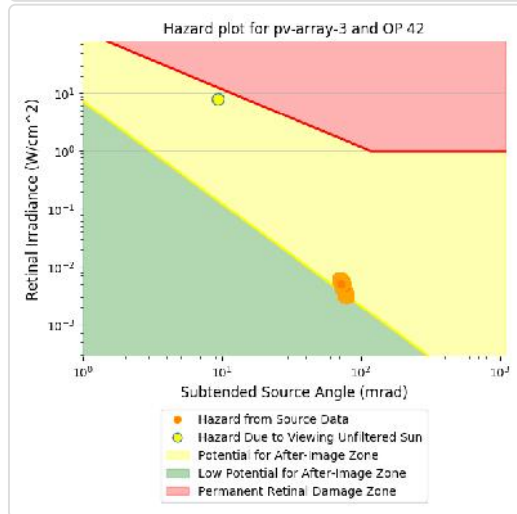
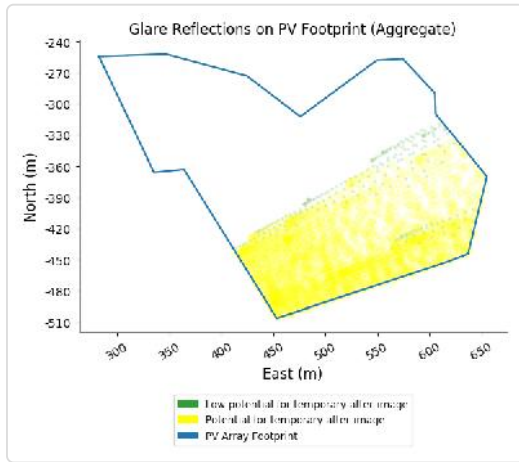
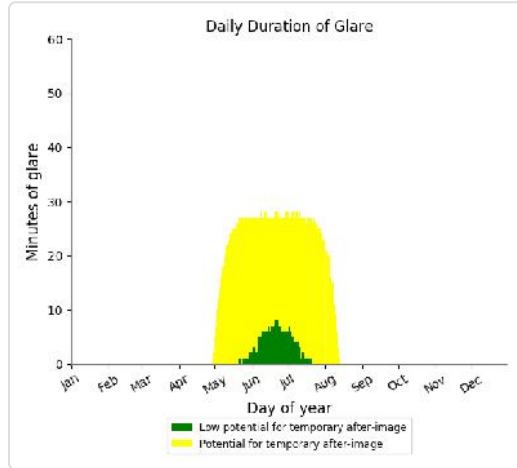
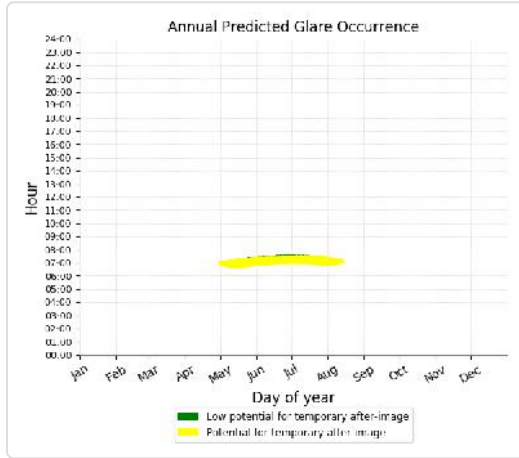
- 894 minutes of "green" glare with low potential to cause temporary after-image.
- 1,940 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 42)

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

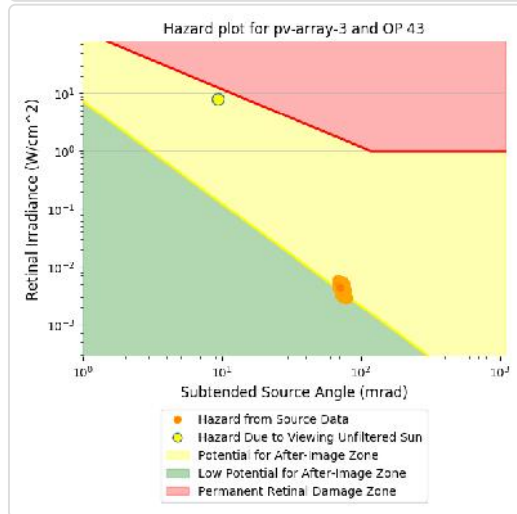
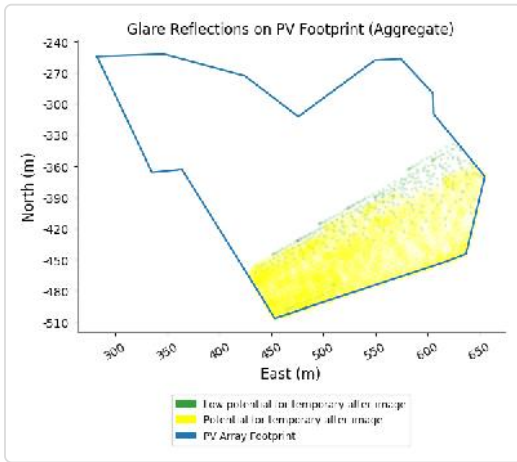
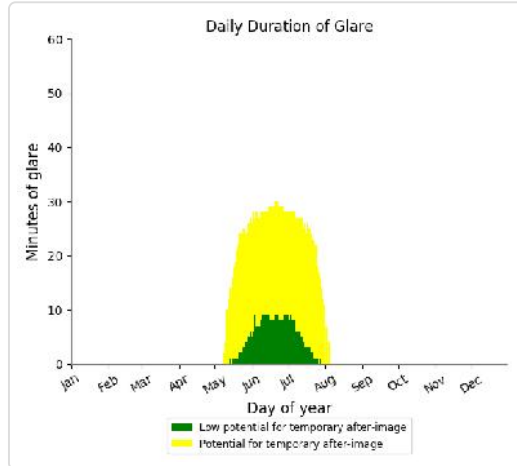
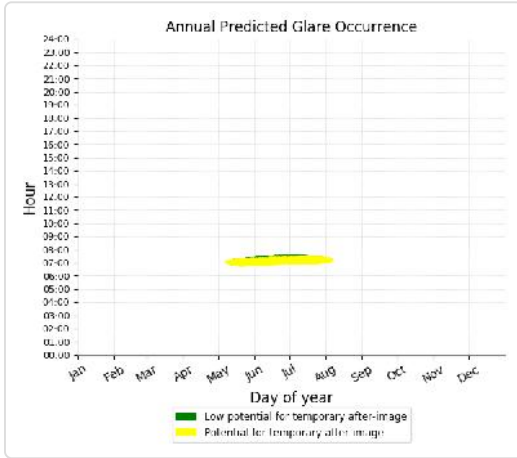
- 245 minutes of "green" glare with low potential to cause temporary after-image.
- 2,249 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 43)

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

- 413 minutes of "green" glare with low potential to cause temporary after-image.
- 1,646 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 3 - OP Receptor (OP 44)

No glare found

PV array 3 - OP Receptor (OP 45)

No glare found

PV array 3 - OP Receptor (OP 46)

No glare found

PV array 3 - OP Receptor (OP 47)

No glare found

PV array 3 - OP Receptor (OP 48)

No glare found

PV array 3 - OP Receptor (OP 49)

No glare found

PV array 3 - OP Receptor (OP 50)

No glare found



PV array 4 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	71	179
OP: OP 3	81	218
OP: OP 4	42	435
OP: OP 5	24	801
OP: OP 6	15	287
OP: OP 7	3	133
OP: OP 8	4	145
OP: OP 9	47	790
OP: OP 10	30	1261
OP: OP 11	33	1535
OP: OP 12	443	3114
OP: OP 13	530	2705
OP: OP 14	114	2904
OP: OP 15	54	1453
OP: OP 16	17	916
OP: OP 17	353	2164
OP: OP 18	381	2058
OP: OP 19	389	1036
OP: OP 20	352	1065
OP: OP 21	0	2696
OP: OP 22	0	1910
OP: OP 23	0	4358
OP: OP 24	0	6689
OP: OP 25	396	4143
OP: OP 26	334	3908
OP: OP 27	436	4276
OP: OP 28	557	4545
OP: OP 29	595	4830
OP: OP 30	584	5148
OP: OP 31	640	5873
OP: OP 32	827	5677
OP: OP 33	0	6275
OP: OP 34	0	6472
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	14
OP: OP 39	0	2
OP: OP 40	0	0
OP: OP 41	0	2242
OP: OP 42	0	2308
OP: OP 43	0	3681
OP: OP 44	0	4423
OP: OP 45	0	0
OP: OP 46	0	0

OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0

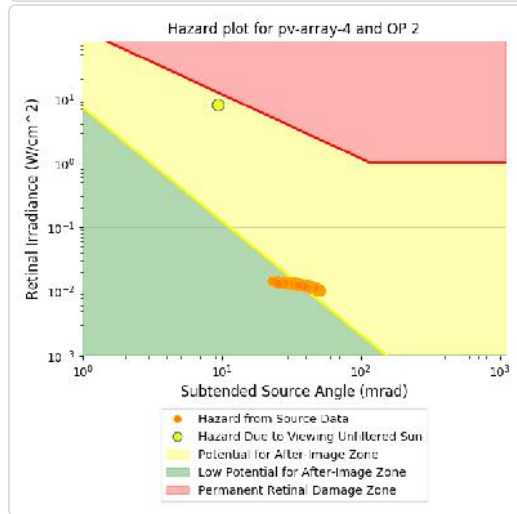
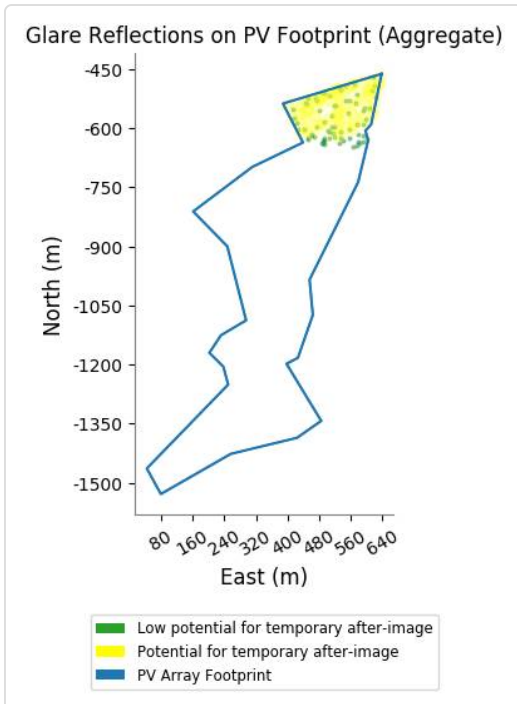
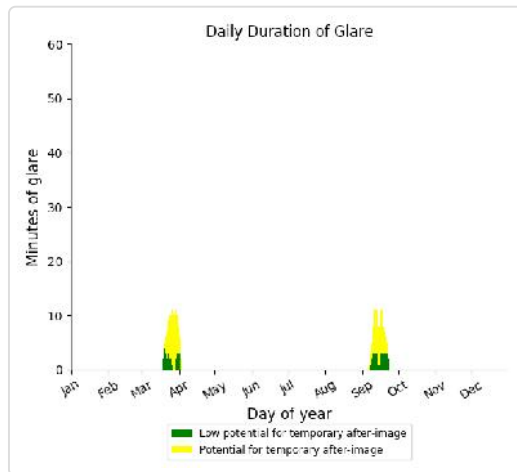
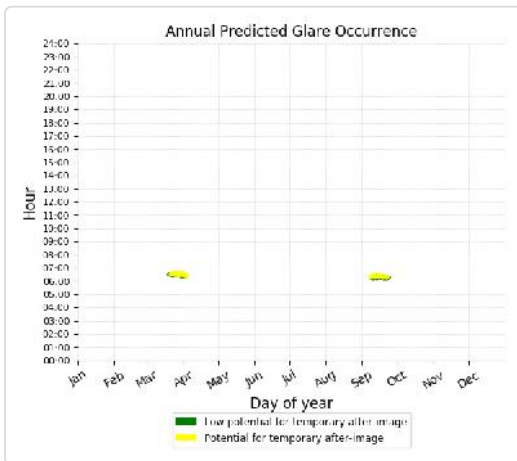
PV array 4 - OP Receptor (OP 1)

No glare found

PV array 4 - OP Receptor (OP 2)

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

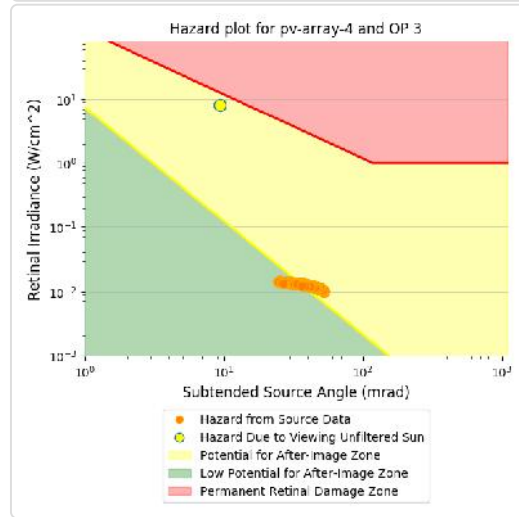
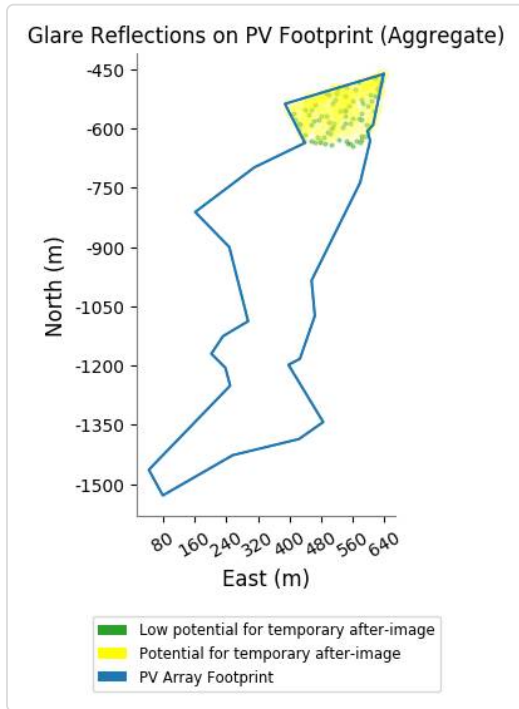
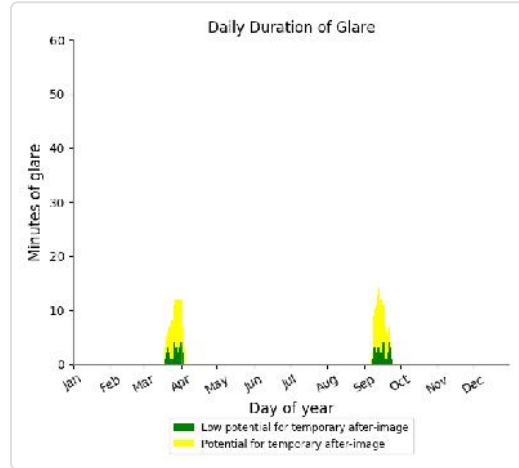
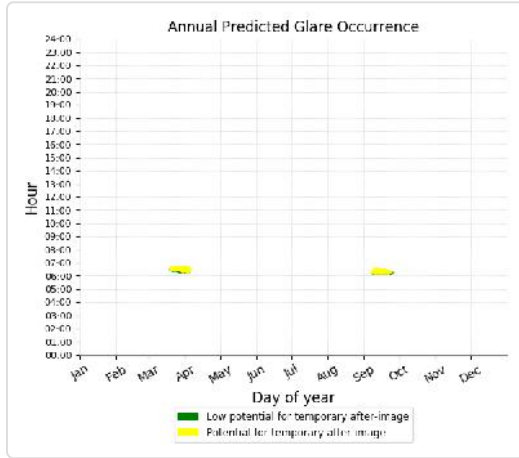
- 71 minutes of "green" glare with potential to cause temporary after-image.
- 179 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 3)

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

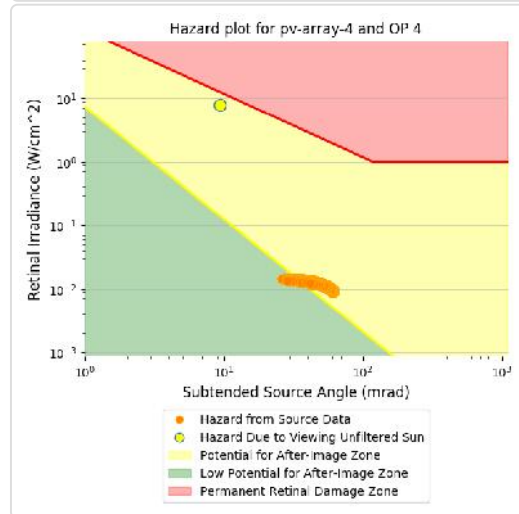
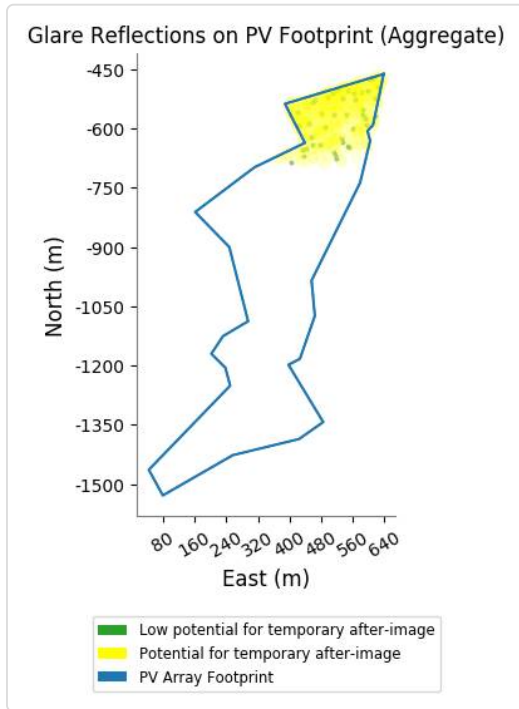
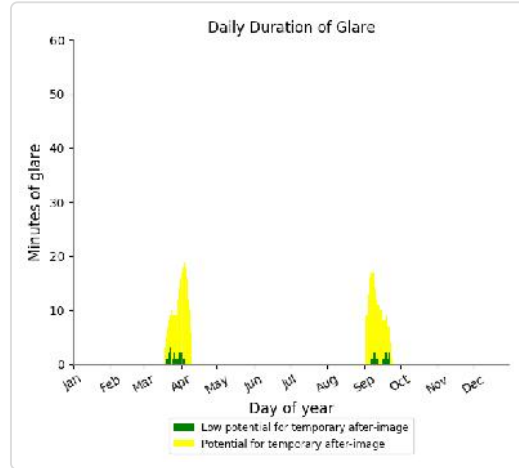
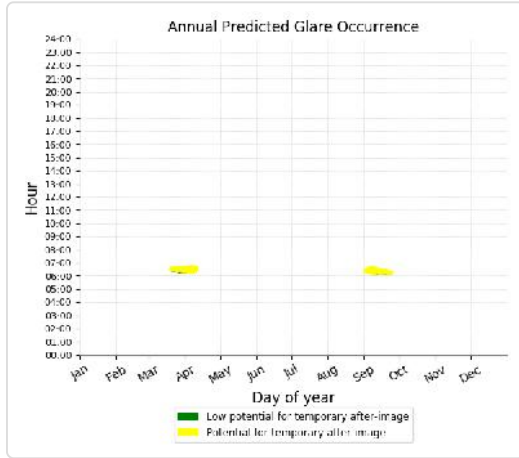
- 81 minutes of "green" glare with low potential to cause temporary after-image.
- 218 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 4)

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

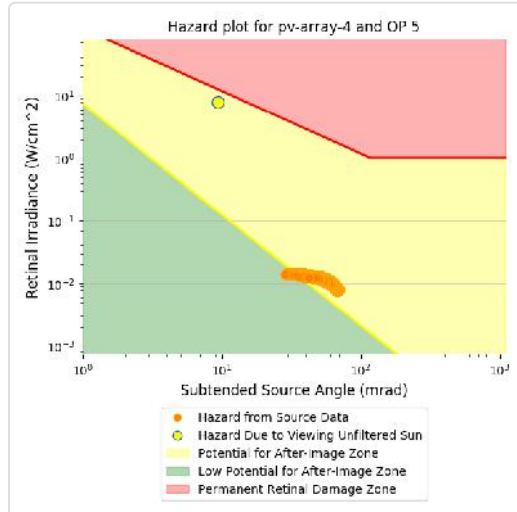
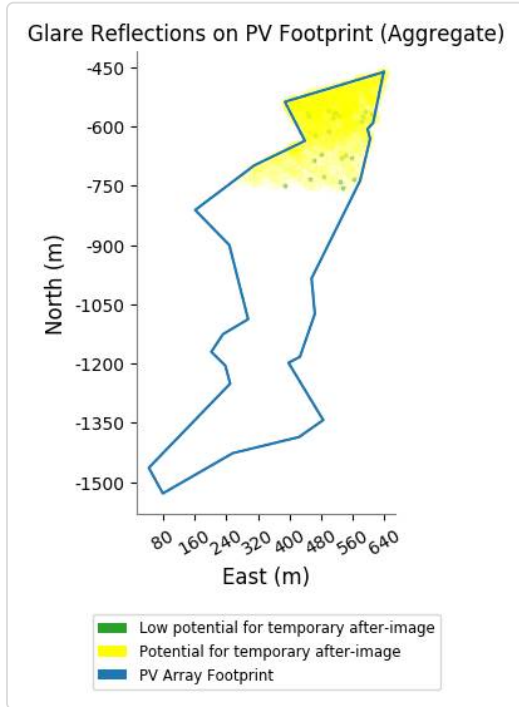
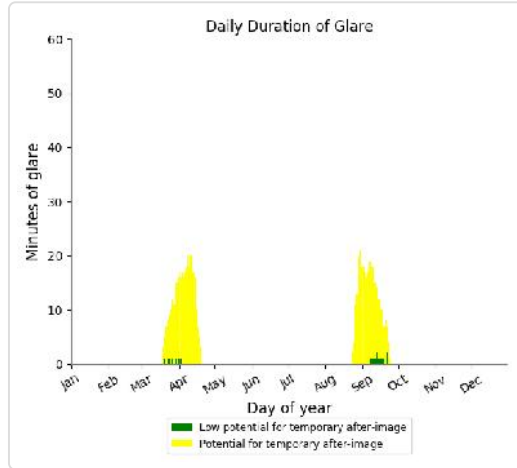
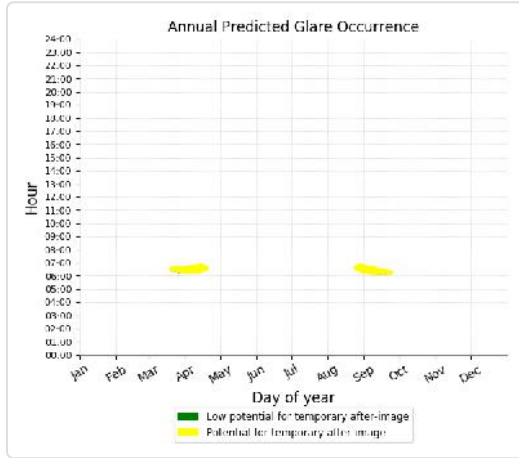
- 42 minutes of "green" glare with low potential to cause temporary after-image.
- 435 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 5)

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

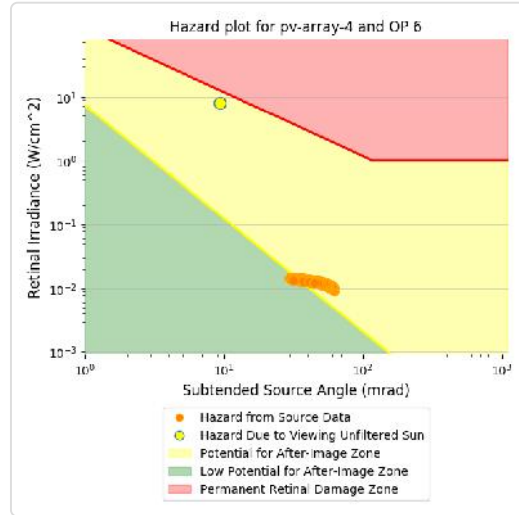
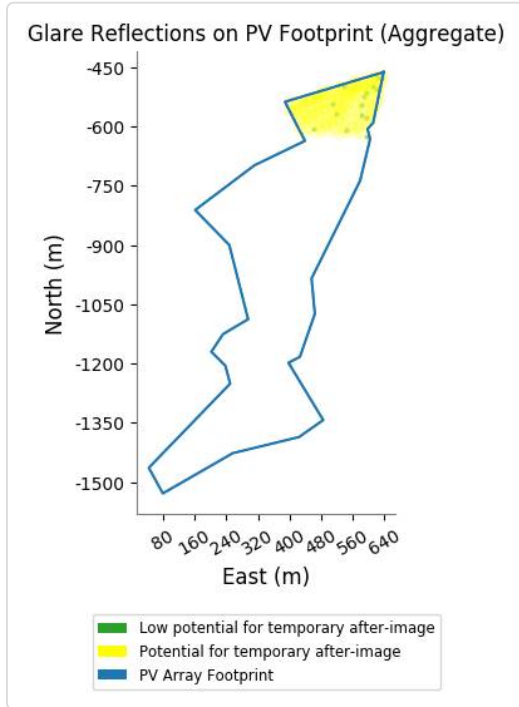
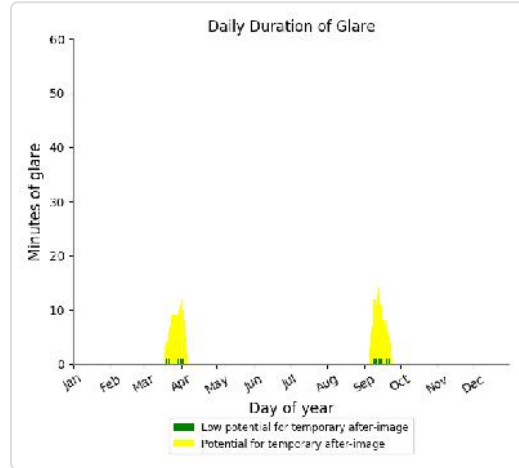
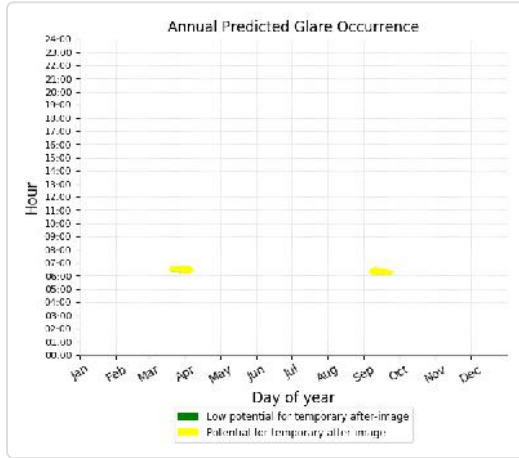
- 24 minutes of "green" glare with low potential to cause temporary after-image.
- 801 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 6)

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

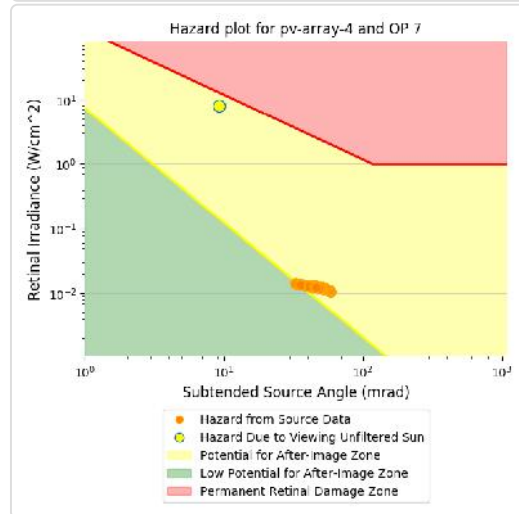
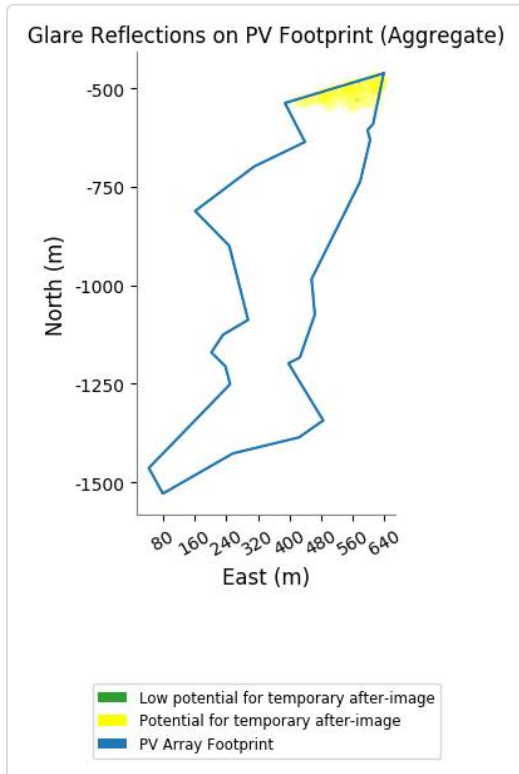
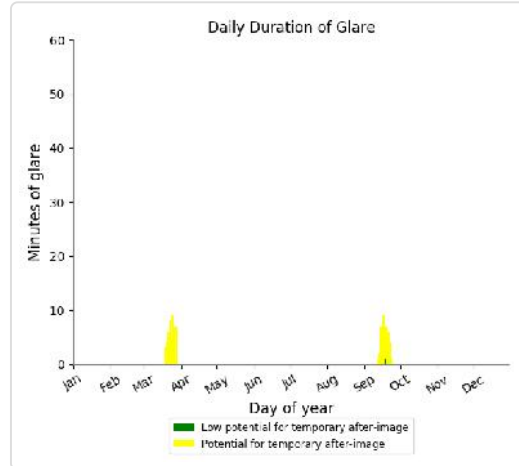
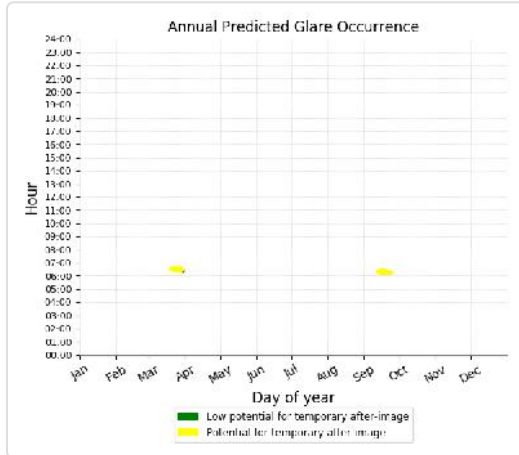
- 15 minutes of "green" glare with low potential to cause temporary after-image.
- 287 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 7)

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

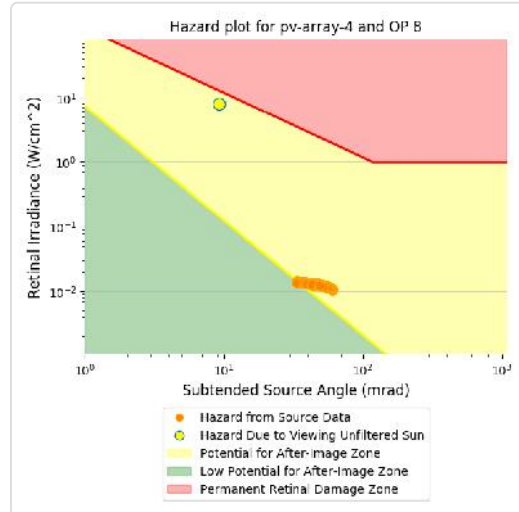
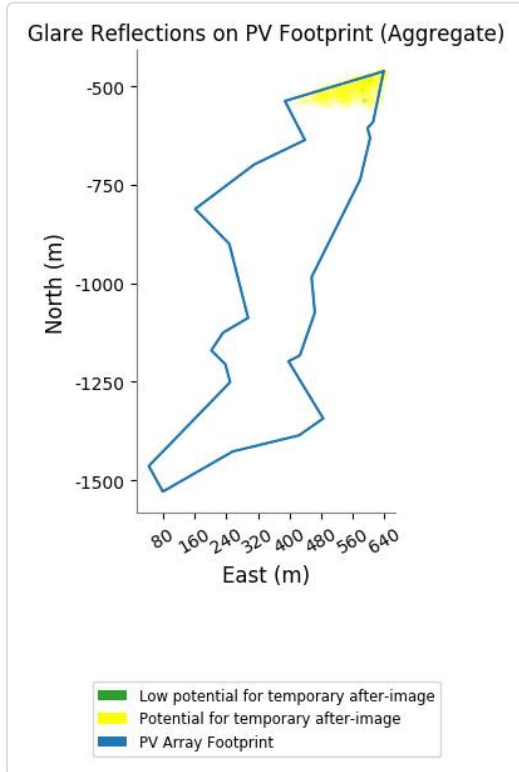
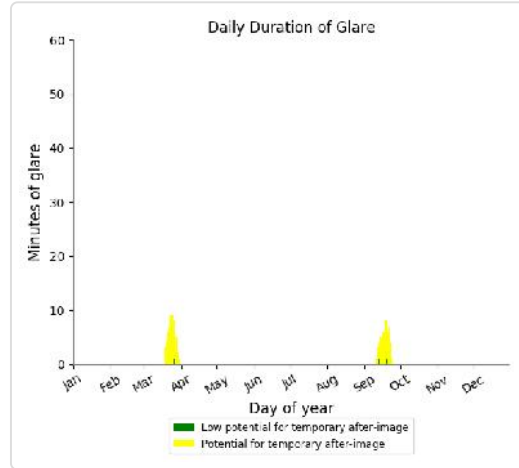
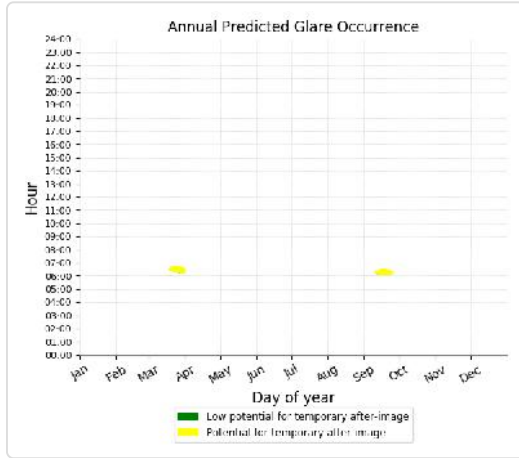
- 3 minutes of "green" glare with low potential to cause temporary after-image.
- 133 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 8)

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

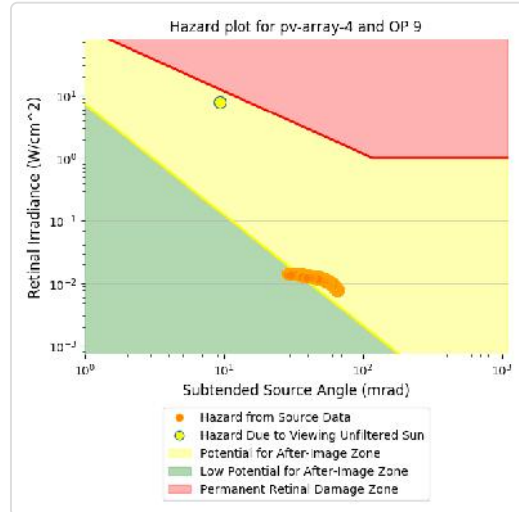
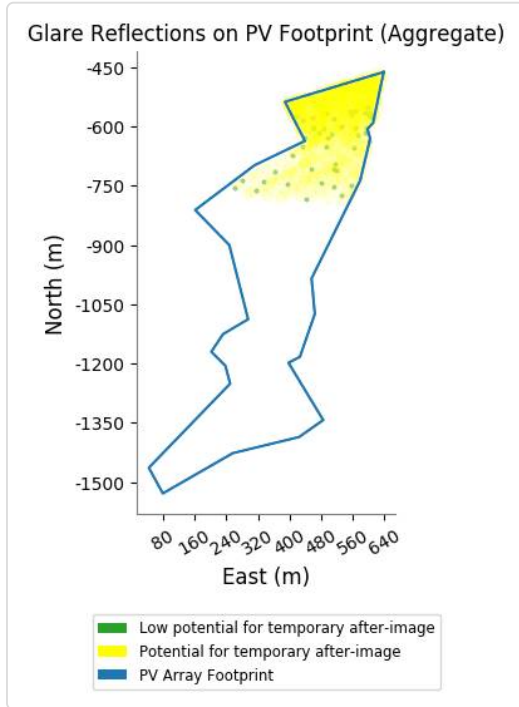
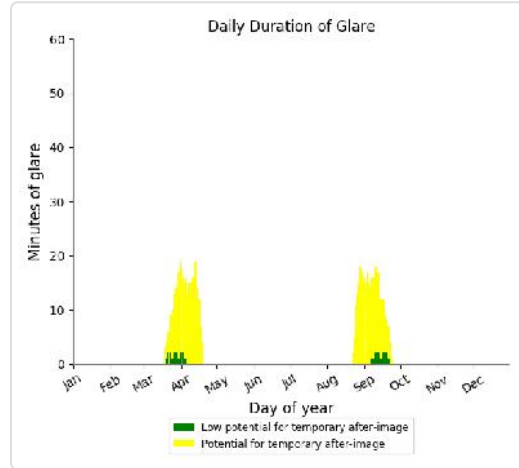
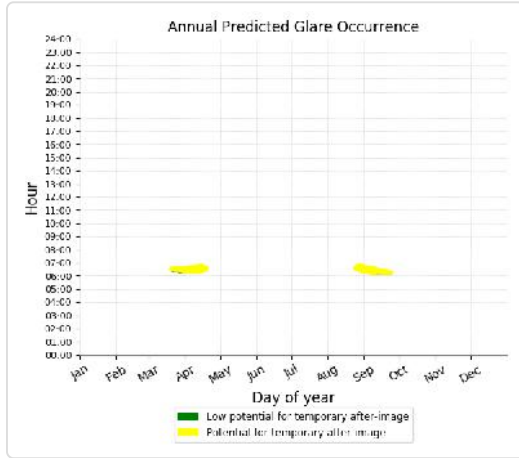
- 4 minutes of "green" glare with low potential to cause temporary after-image.
- 145 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 9)

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

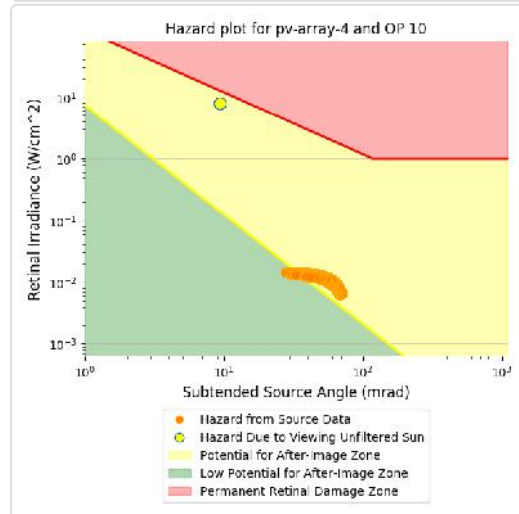
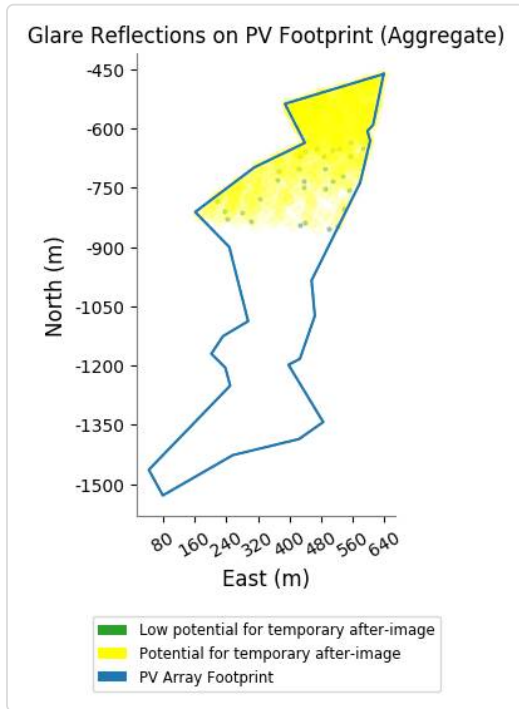
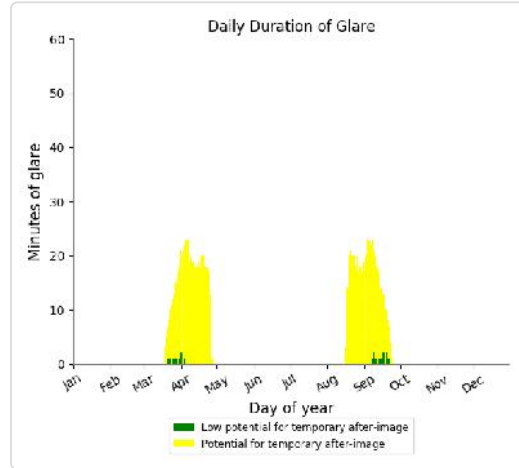
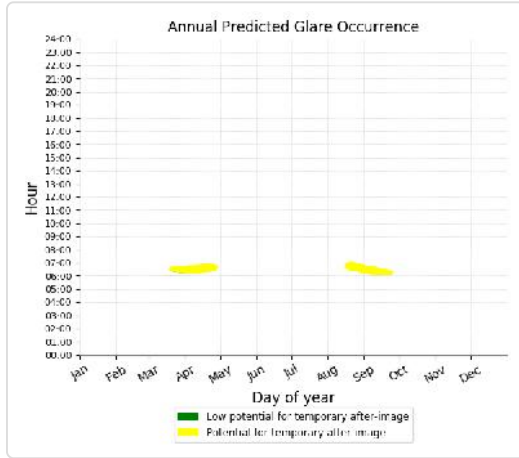
- 47 minutes of "green" glare with low potential to cause temporary after-image.
- 790 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 10)

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

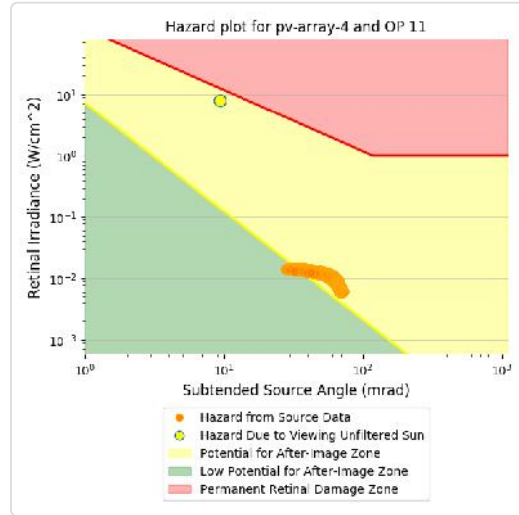
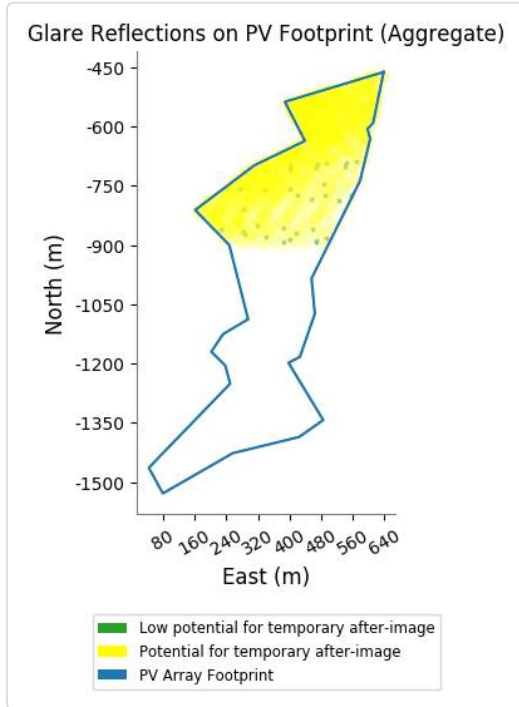
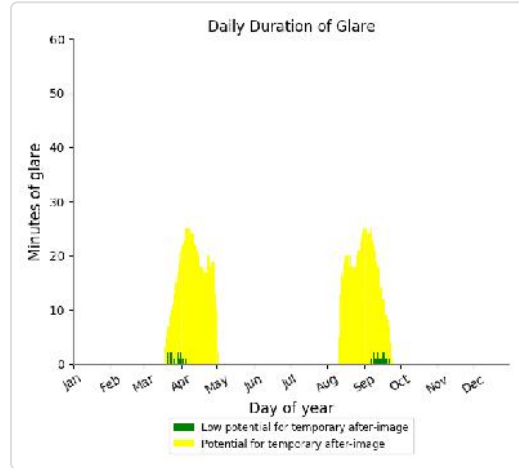
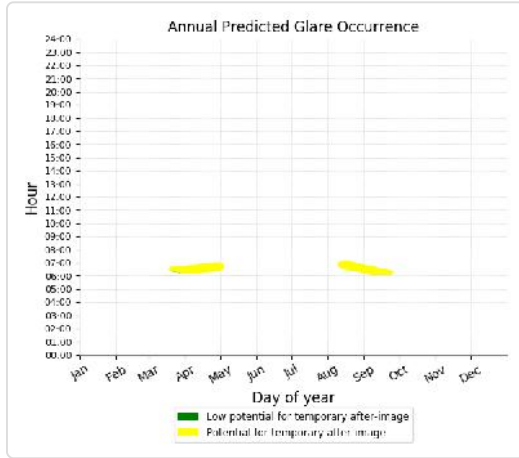
- 30 minutes of "green" glare with low potential to cause temporary after-image.
- 1,261 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 11)

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

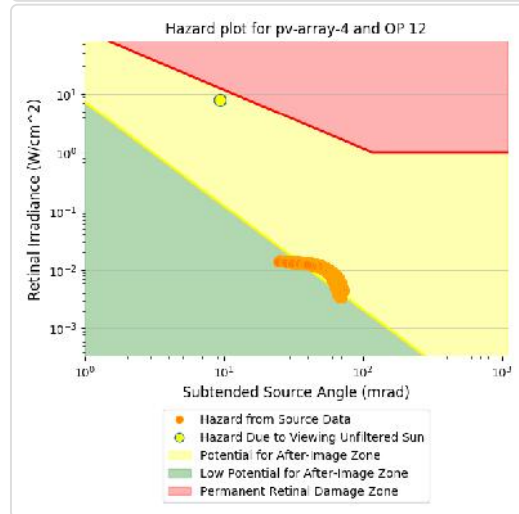
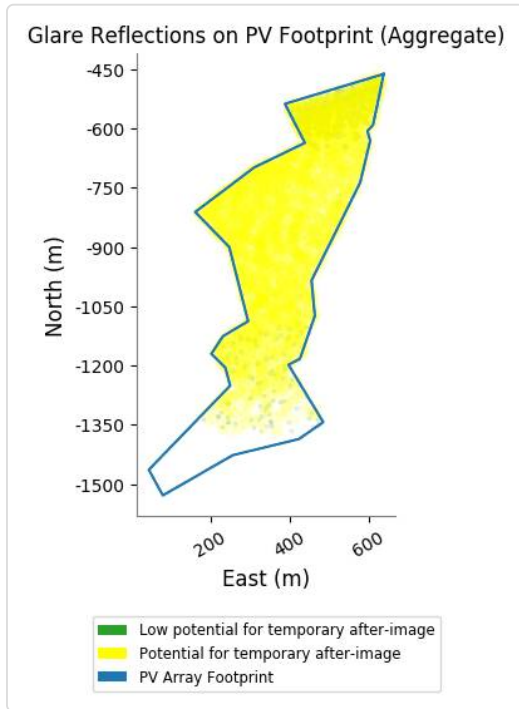
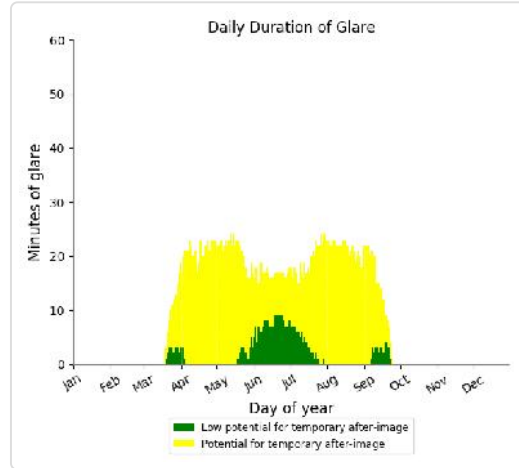
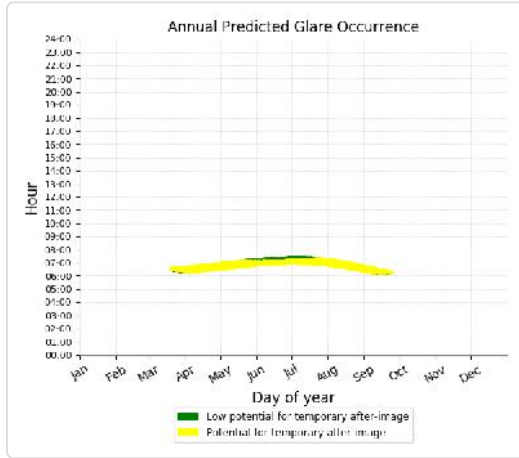
- 33 minutes of "green" glare with low potential to cause temporary after-image.
- 1,535 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 12)

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

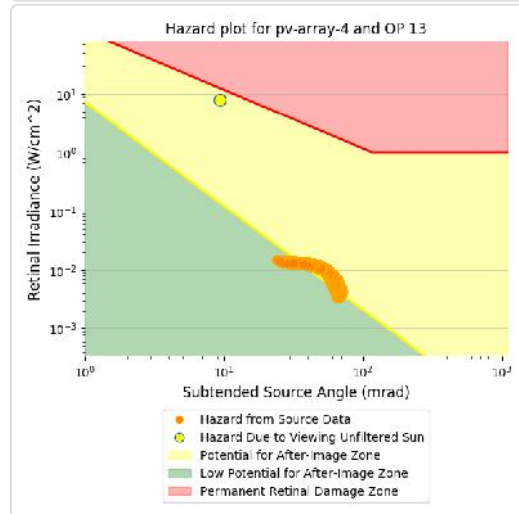
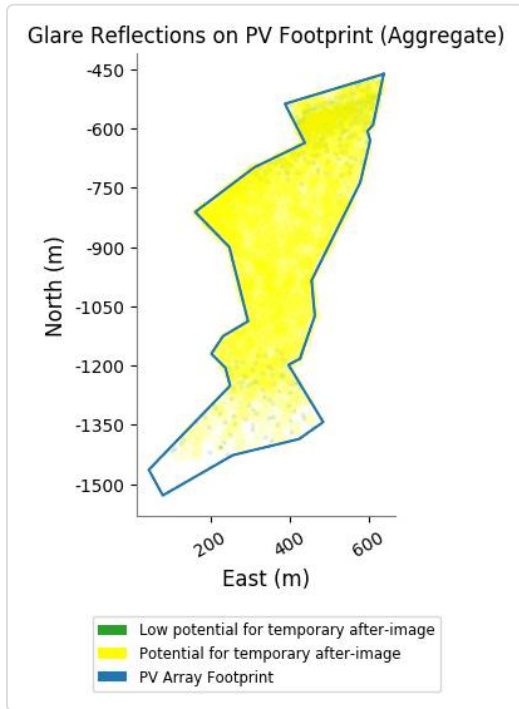
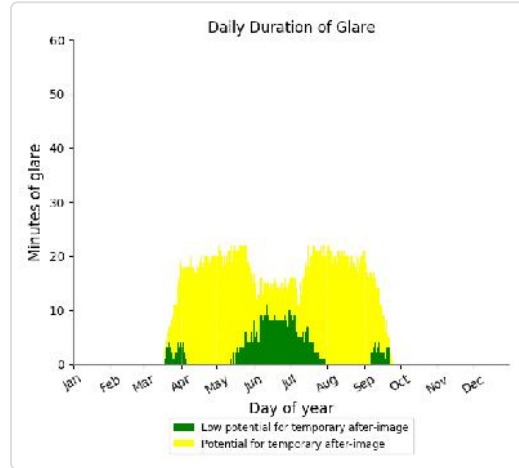
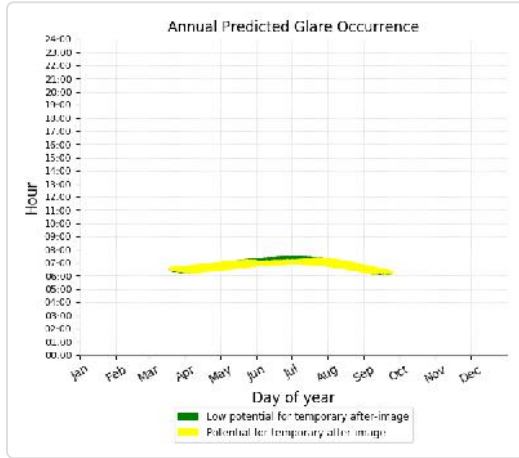
- 443 minutes of "green" glare with low potential to cause temporary after-image.
- 3,114 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 13)

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

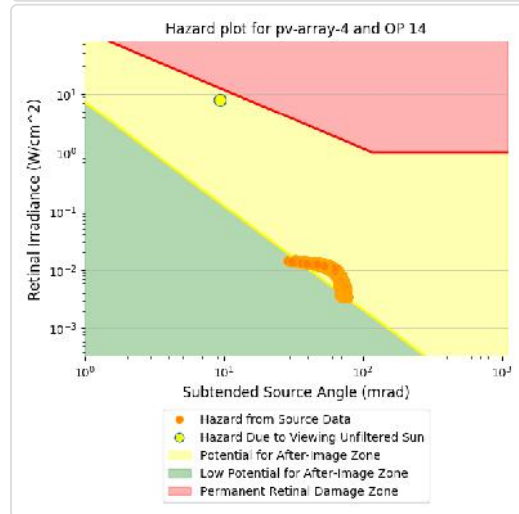
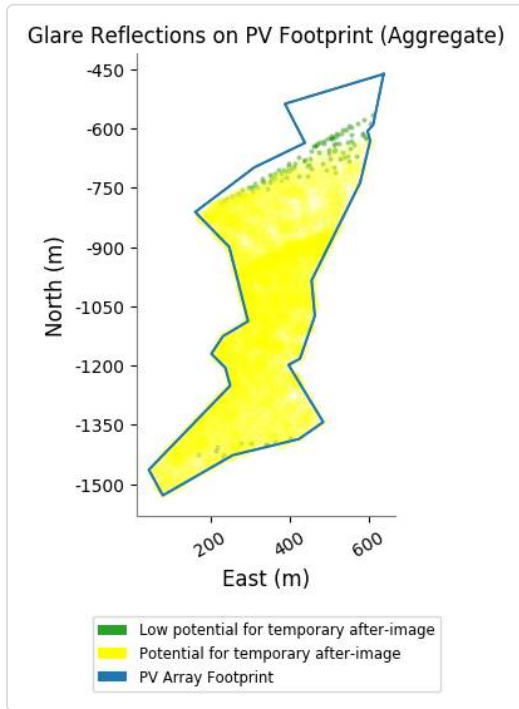
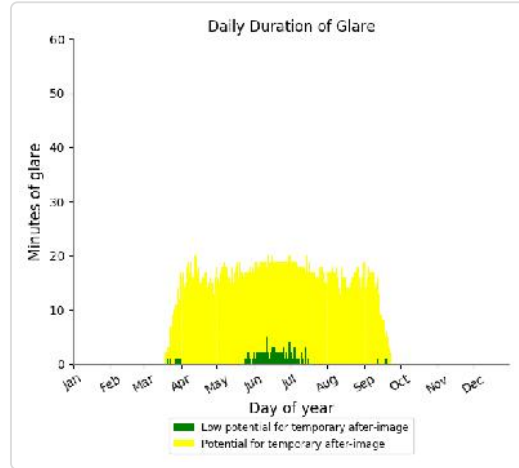
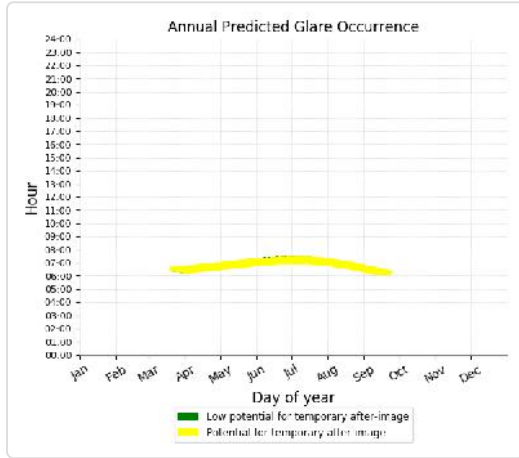
- 530 minutes of "green" glare with low potential to cause temporary after-image.
- 2,705 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 14)

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

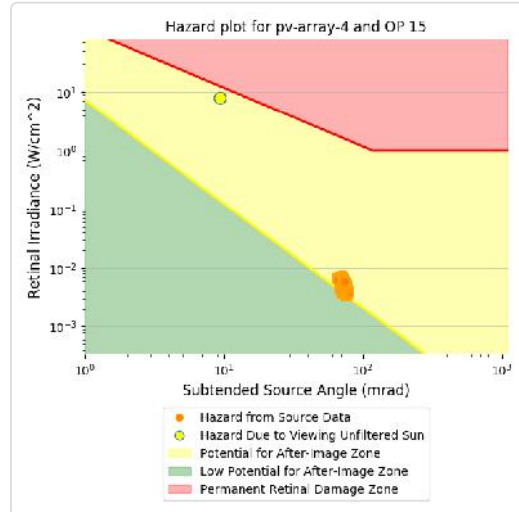
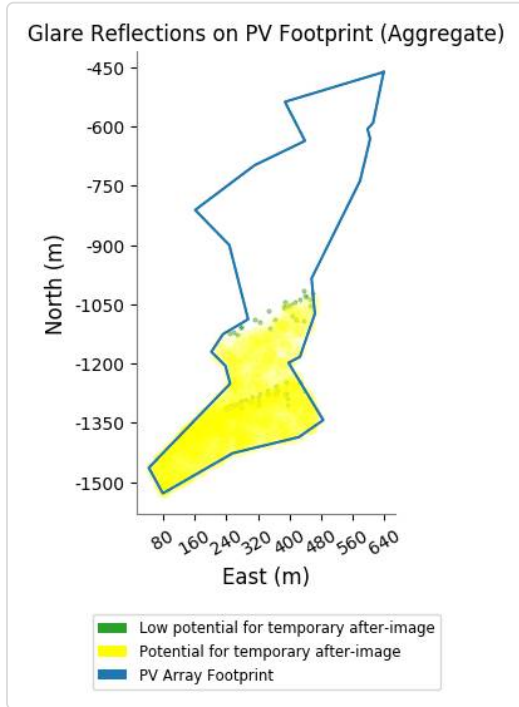
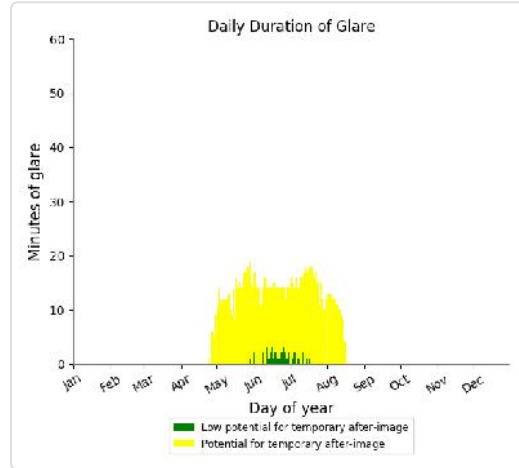
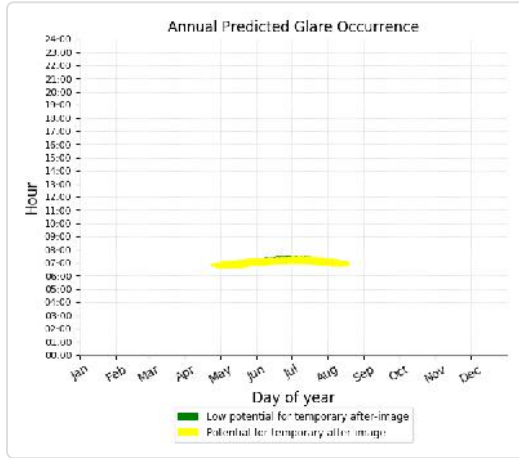
- 114 minutes of "green" glare with low potential to cause temporary after-image.
- 2,904 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 15)

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

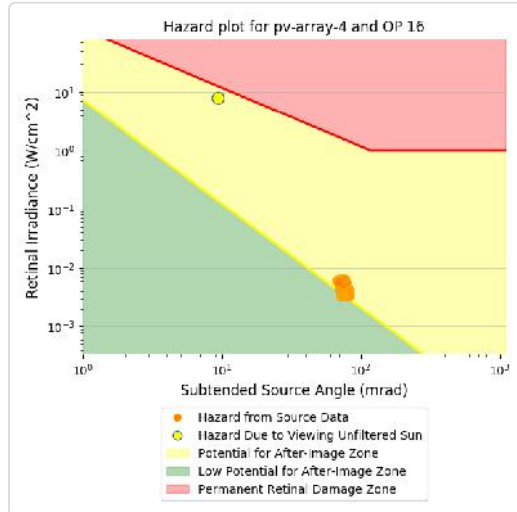
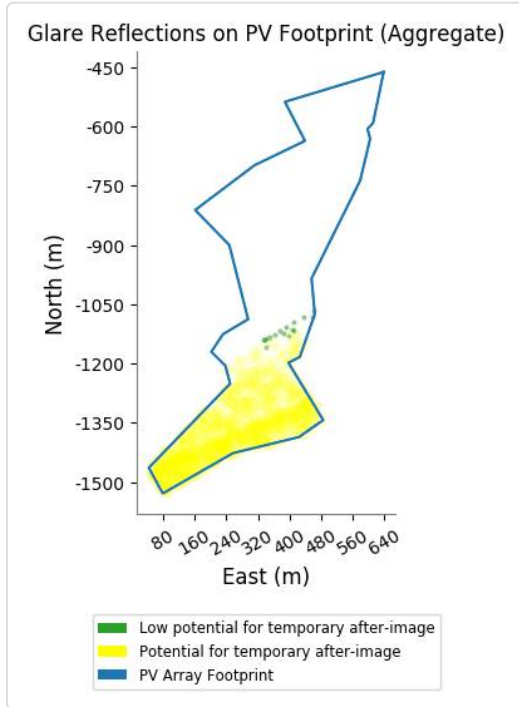
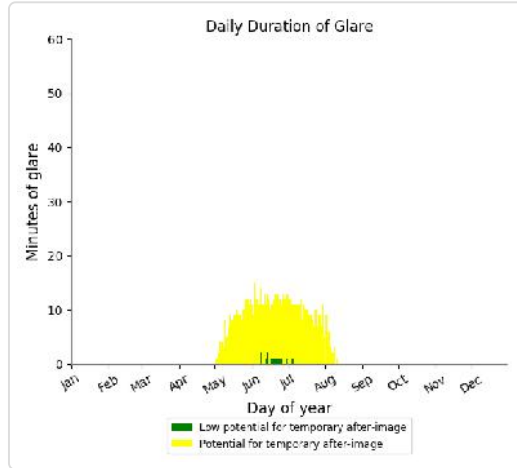
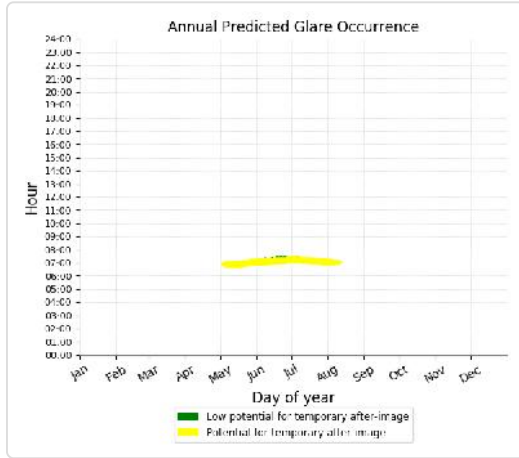
- 54 minutes of "green" glare with low potential to cause temporary after-image.
- 1,453 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 16)

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

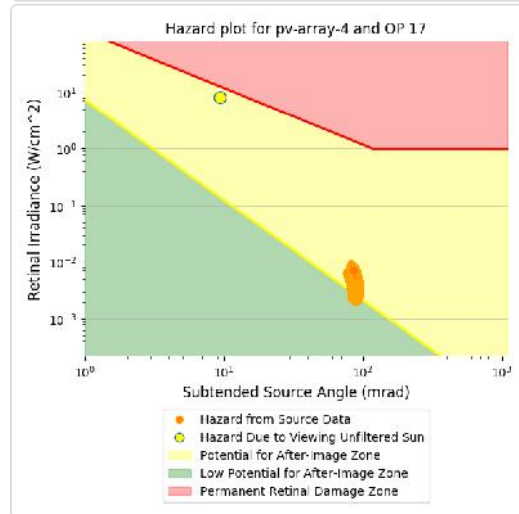
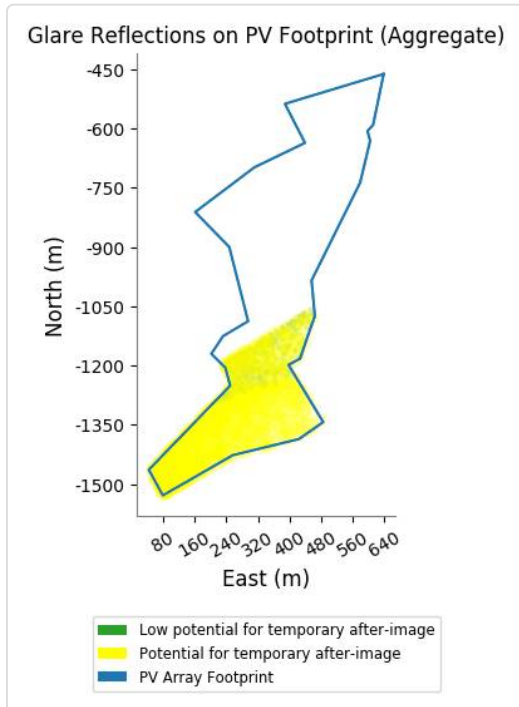
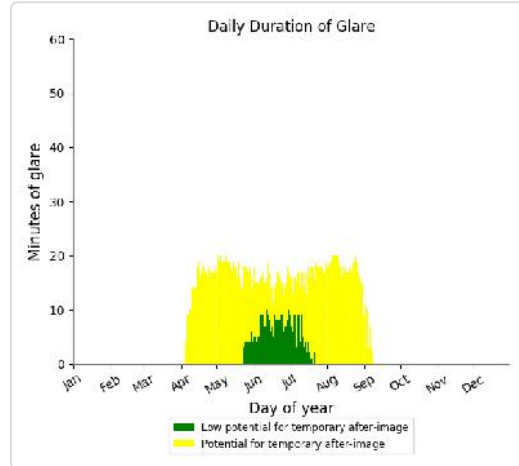
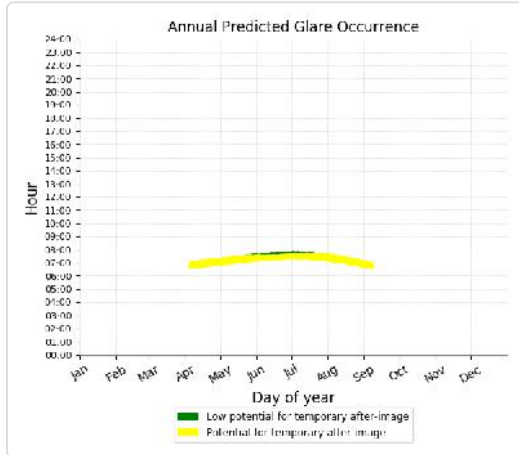
- 17 minutes of "green" glare with low potential to cause temporary after-image.
- 916 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 17)

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

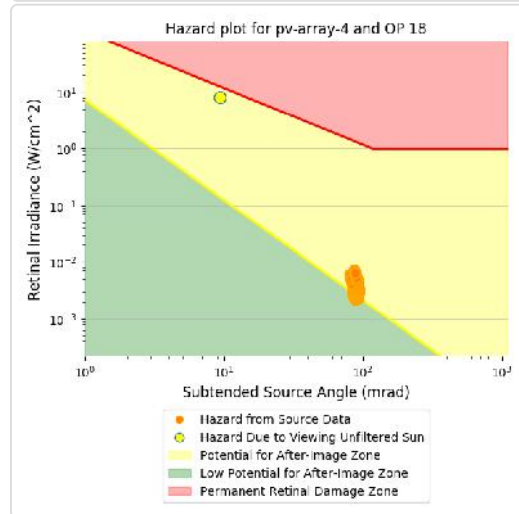
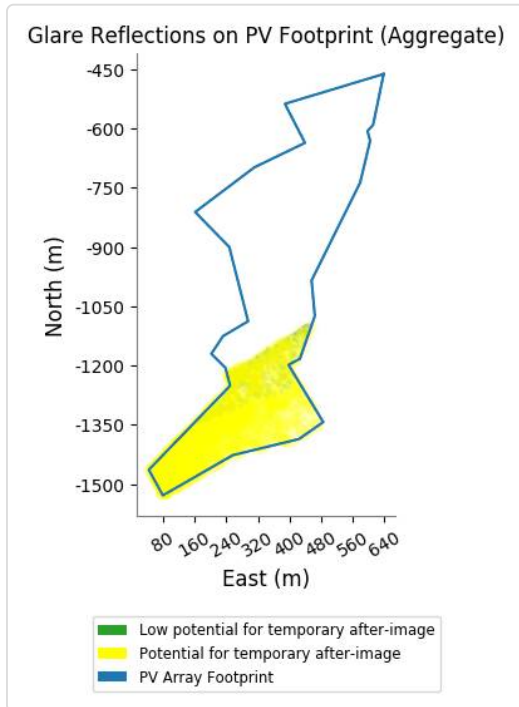
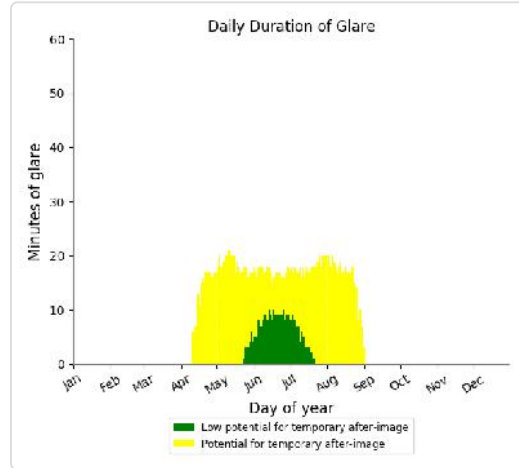
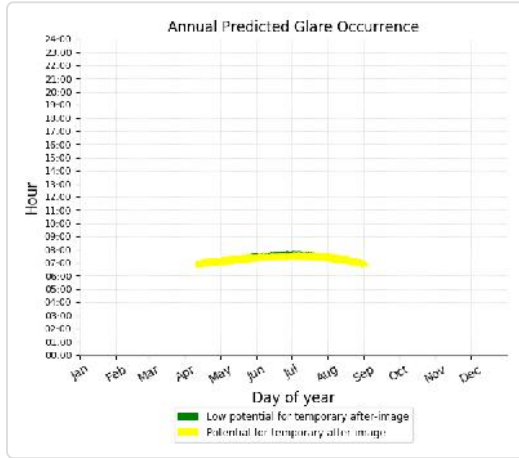
- 353 minutes of "green" glare with low potential to cause temporary after-image.
- 2,164 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 18)

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

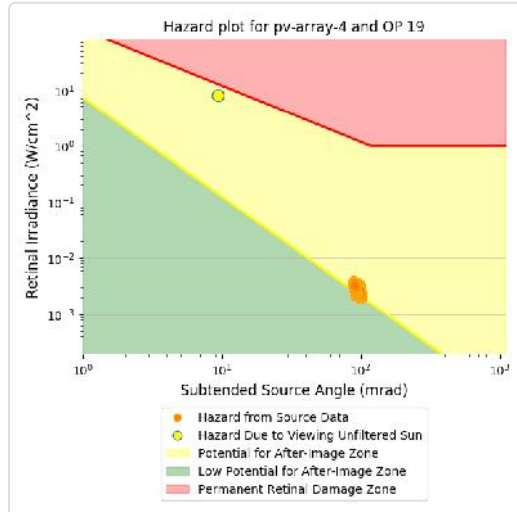
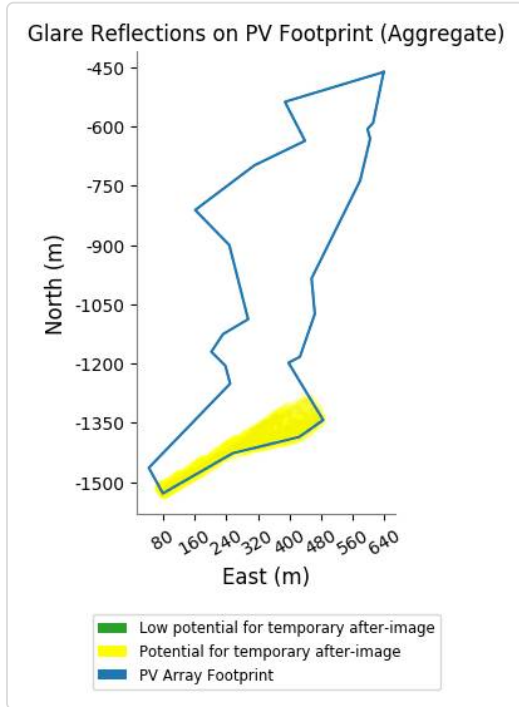
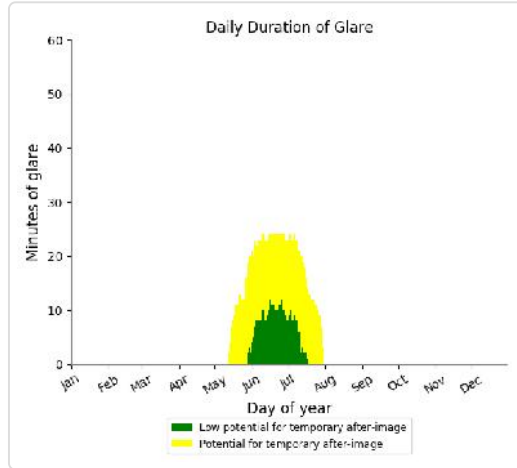
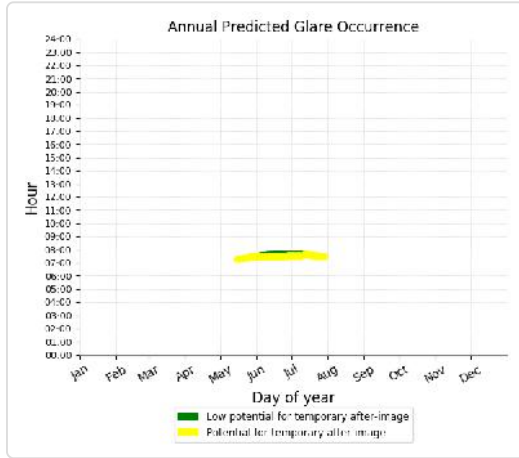
- 381 minutes of "green" glare with low potential to cause temporary after-image.
- 2,058 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 19)

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

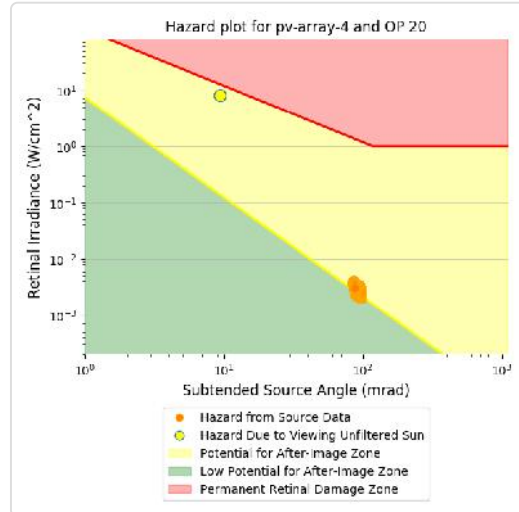
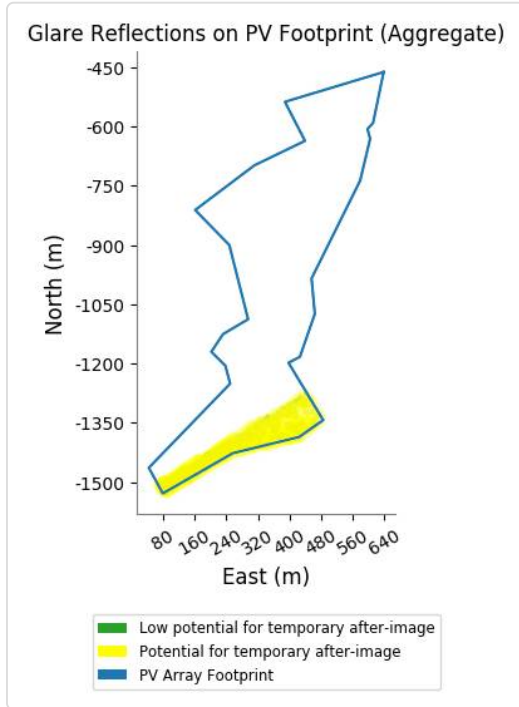
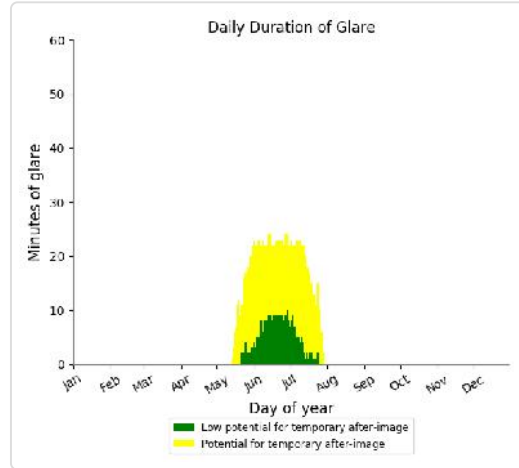
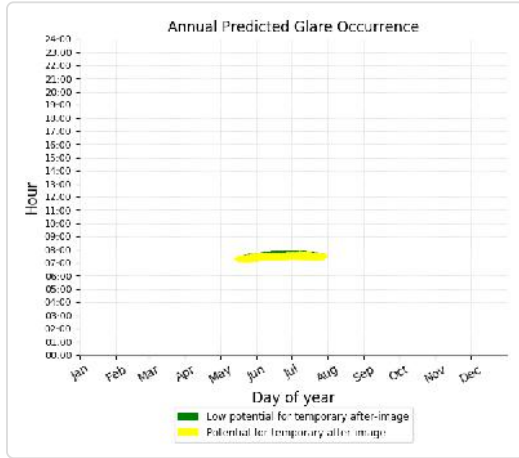
- 389 minutes of "green" glare with low potential to cause temporary after-image.
- 1,036 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 20)

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

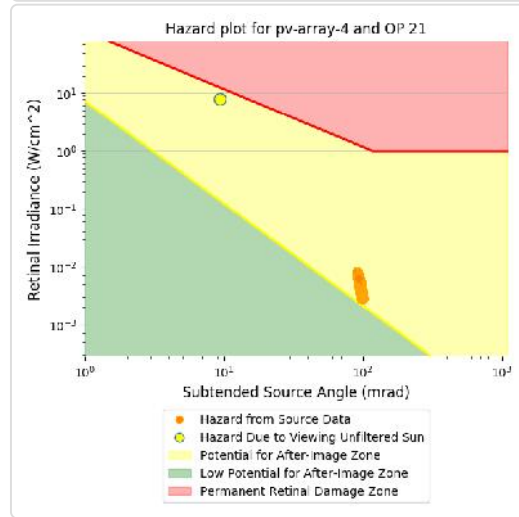
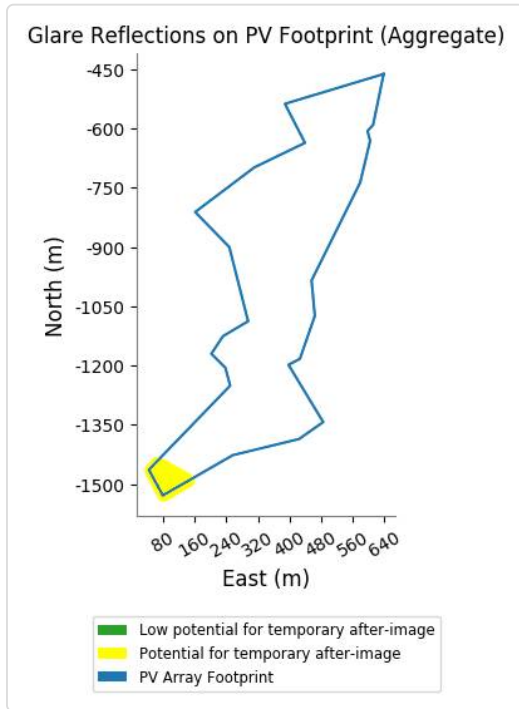
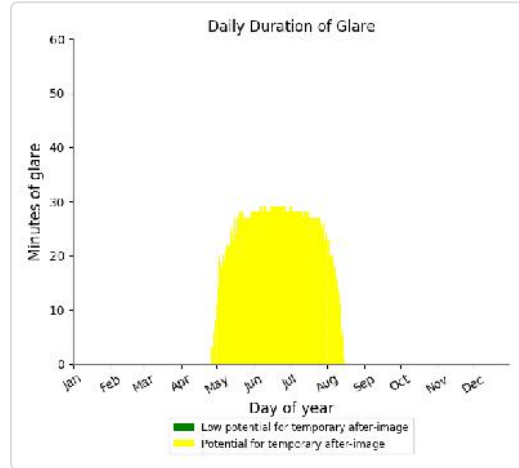
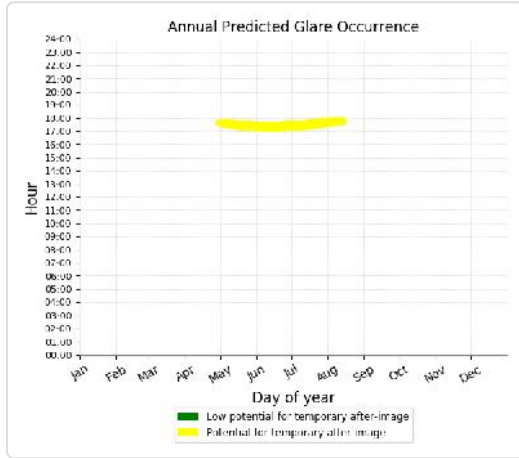
- 352 minutes of "green" glare with low potential to cause temporary after-image.
- 1,065 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 21)

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

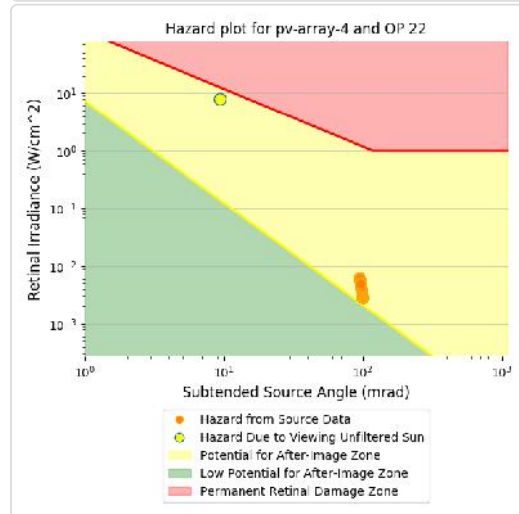
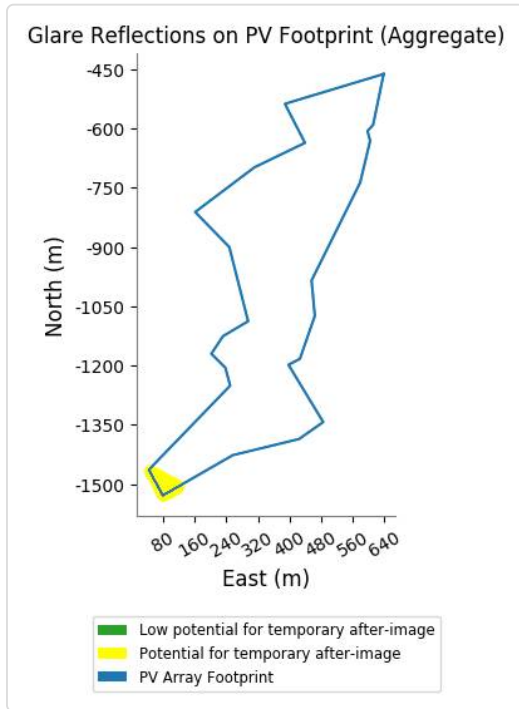
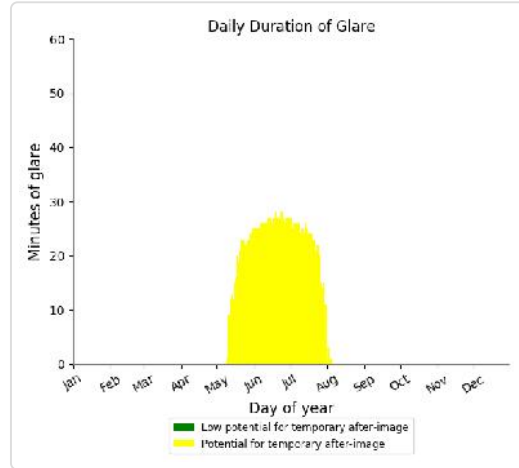
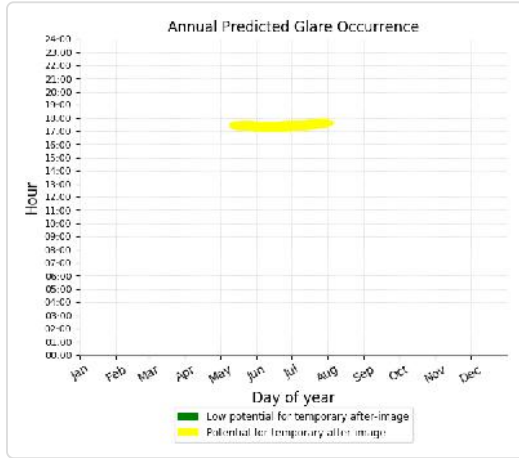
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,696 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 22)

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

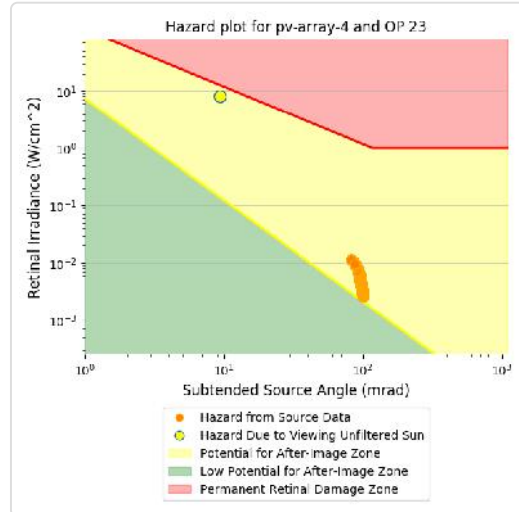
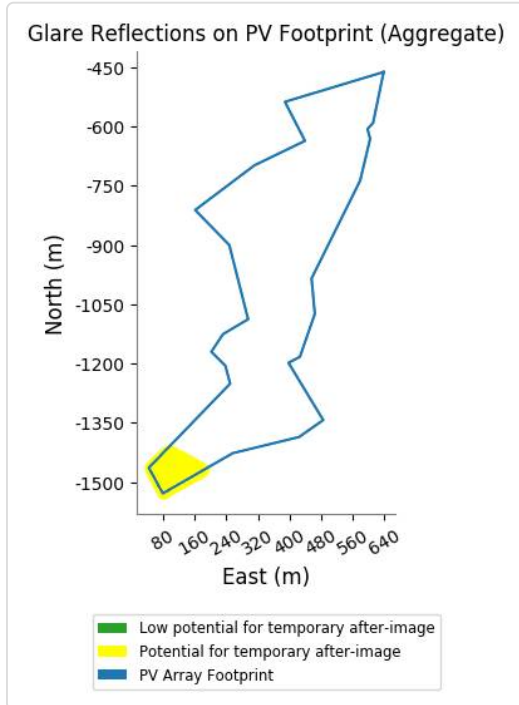
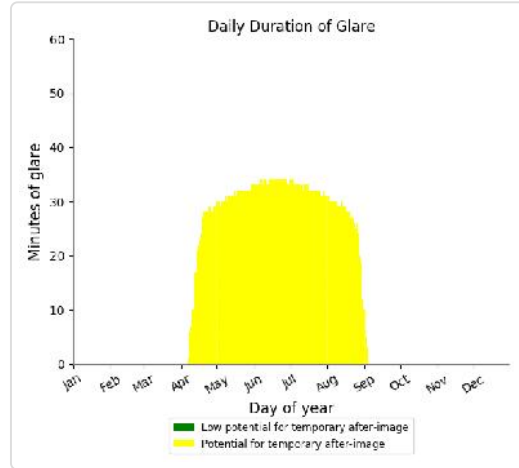
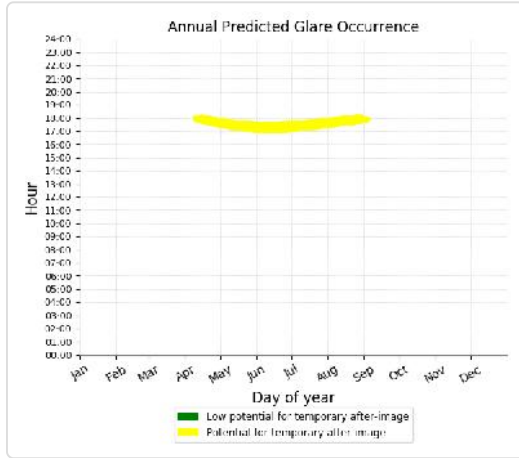
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,910 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 23)

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

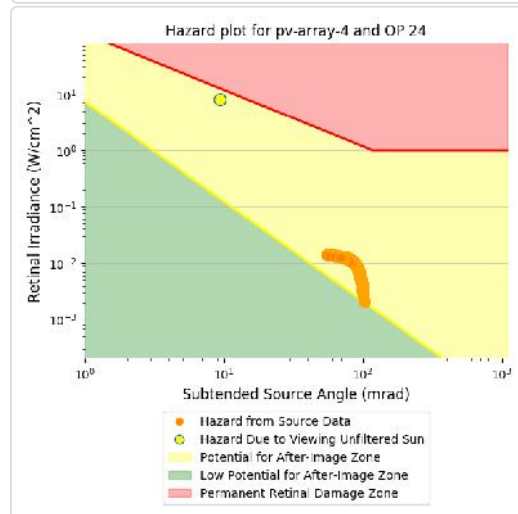
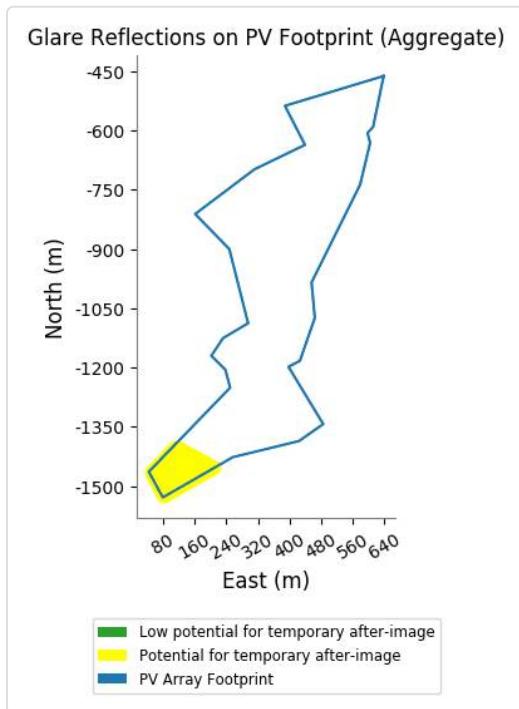
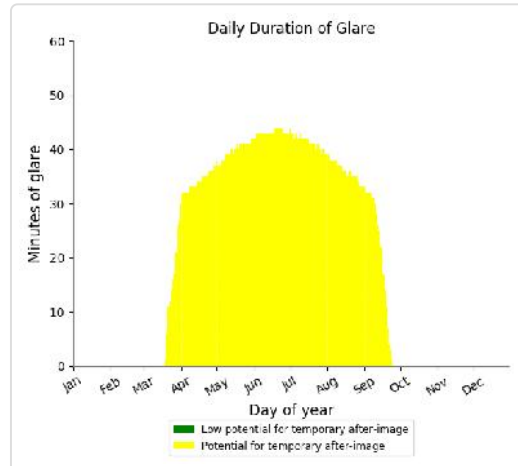
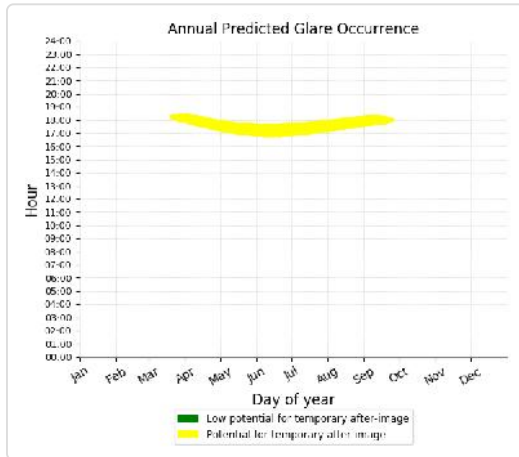
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 4,358 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 24)

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

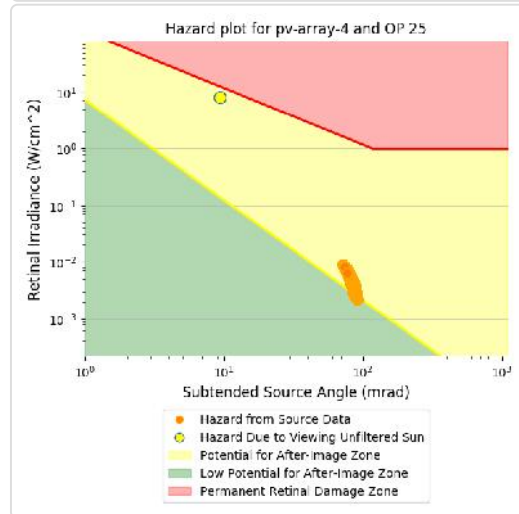
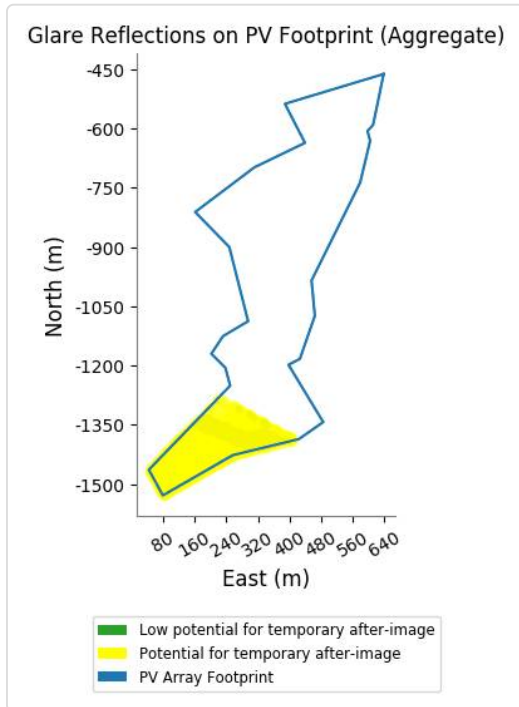
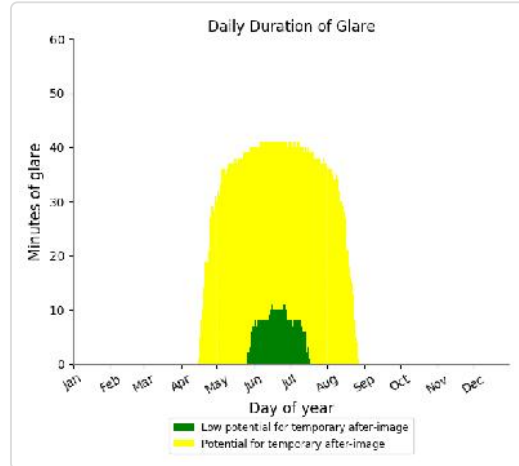
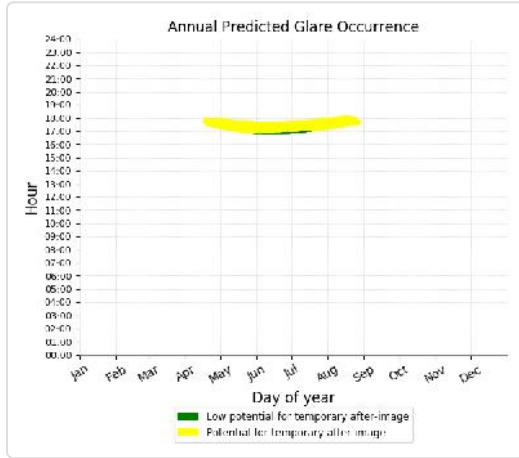
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 6,689 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 25)

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

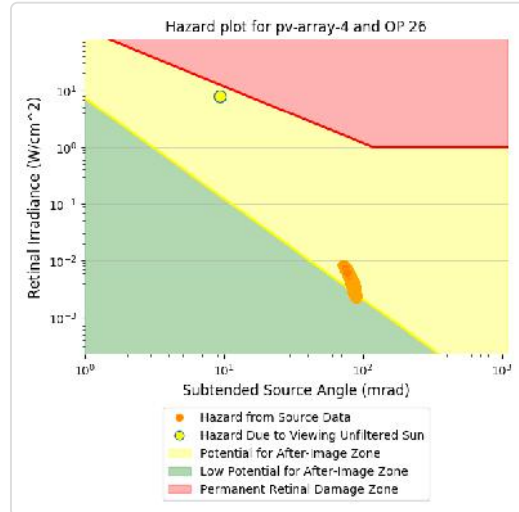
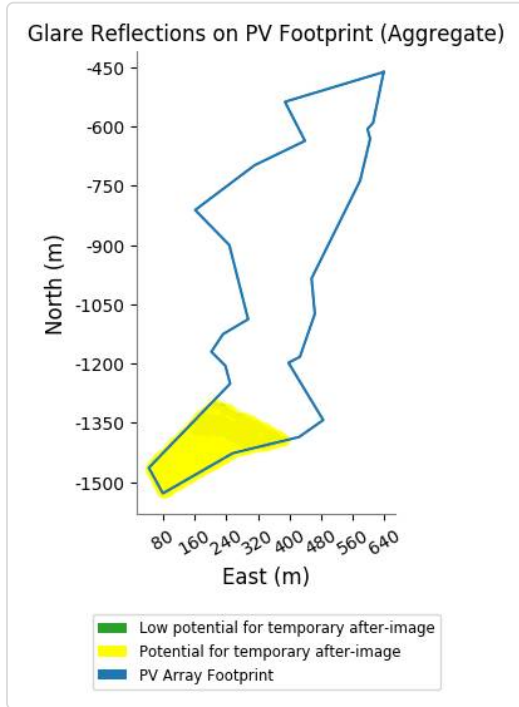
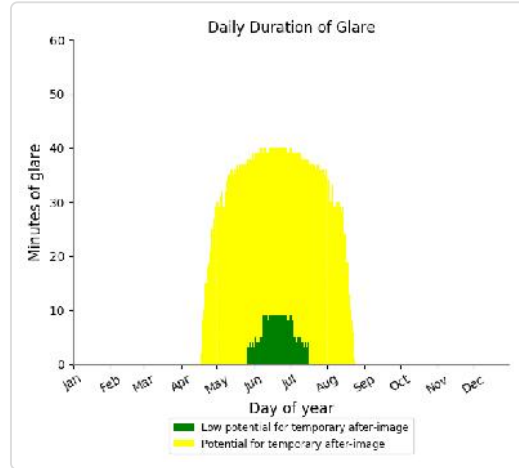
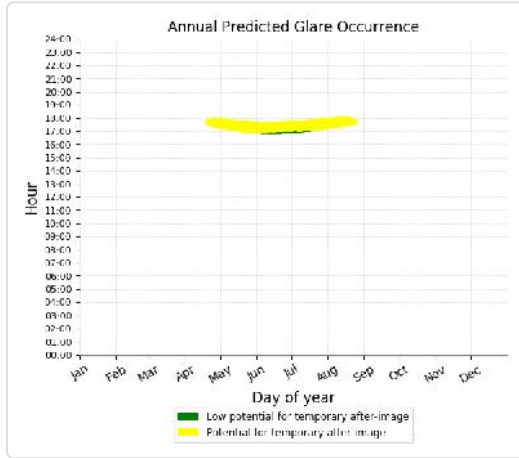
- 396 minutes of "green" glare with low potential to cause temporary after-image.
- 4,143 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 26)

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

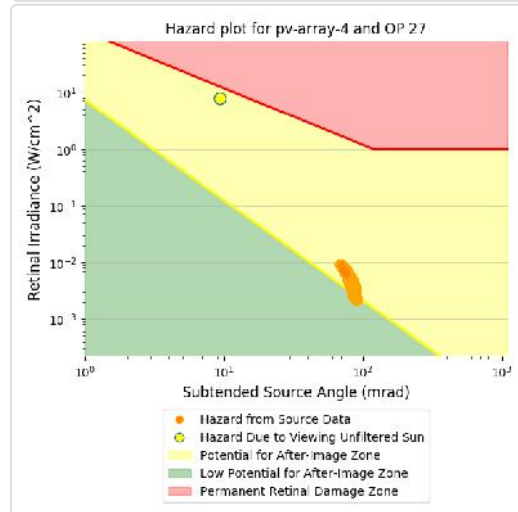
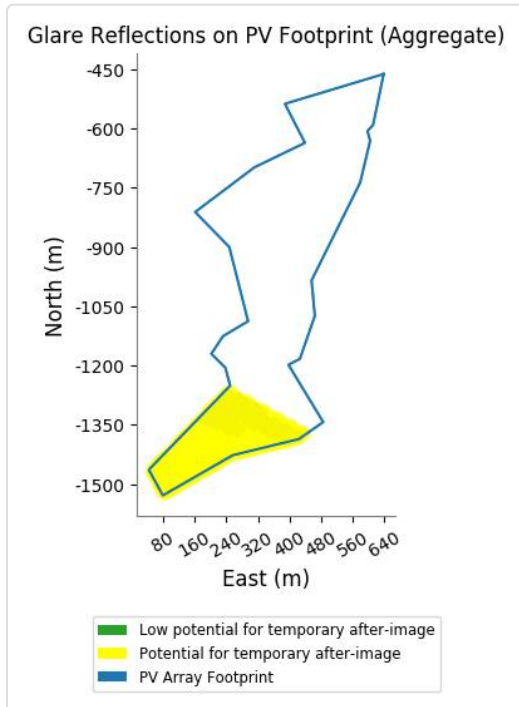
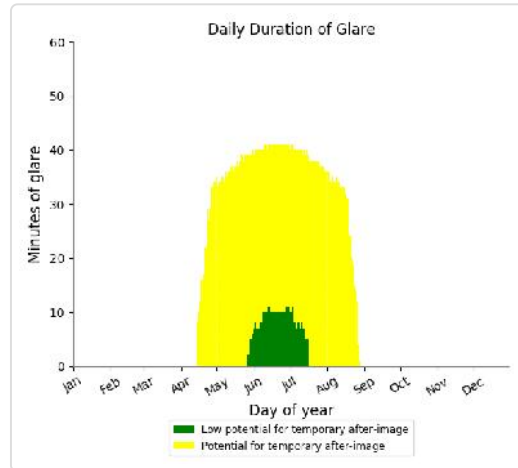
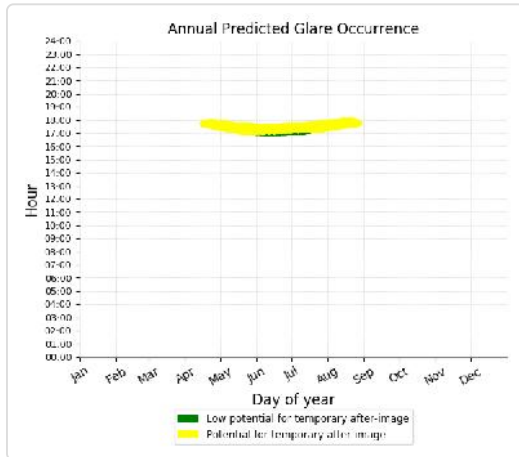
- 334 minutes of "green" glare with low potential to cause temporary after-image.
- 3,908 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 27)

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

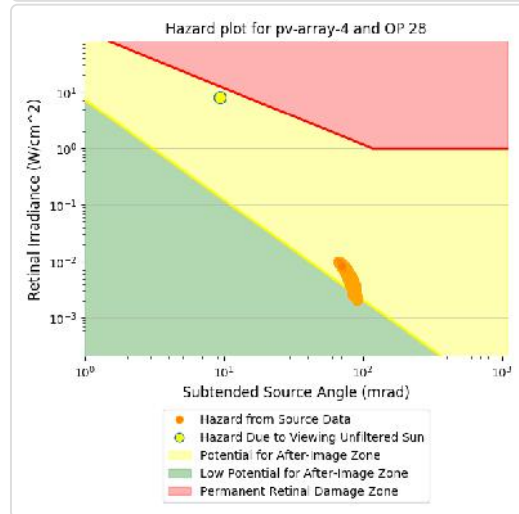
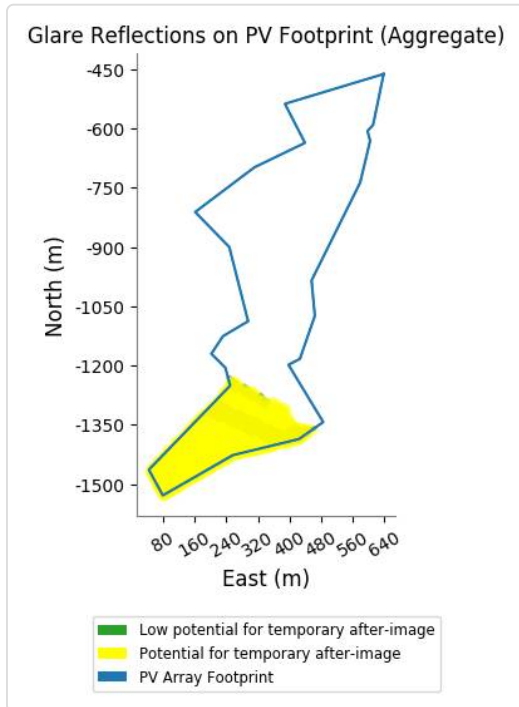
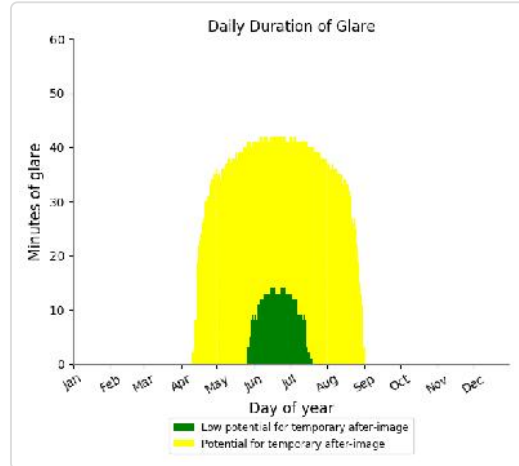
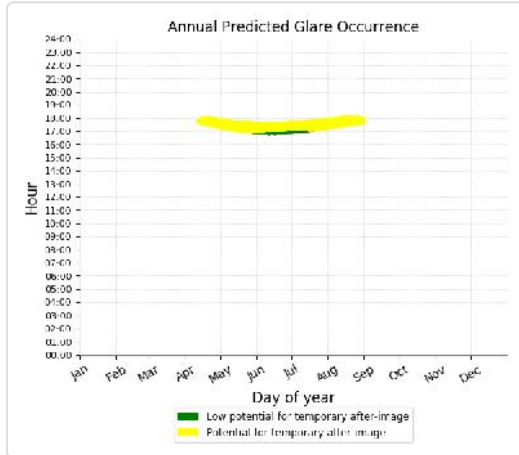
- 436 minutes of "green" glare with low potential to cause temporary after-image.
- 4,276 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 28)

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

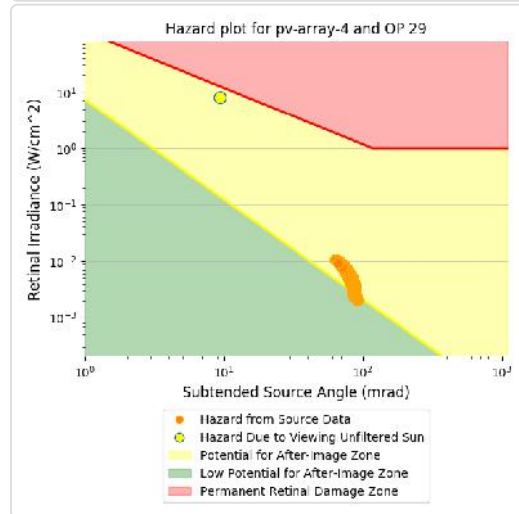
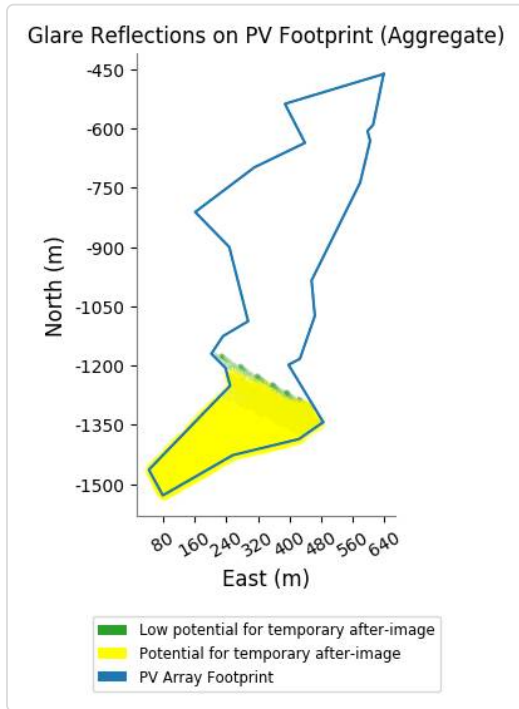
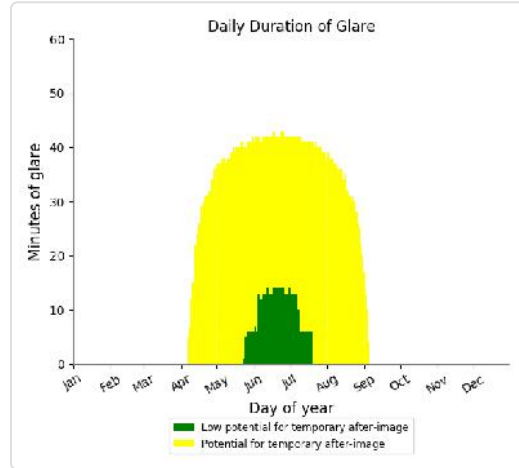
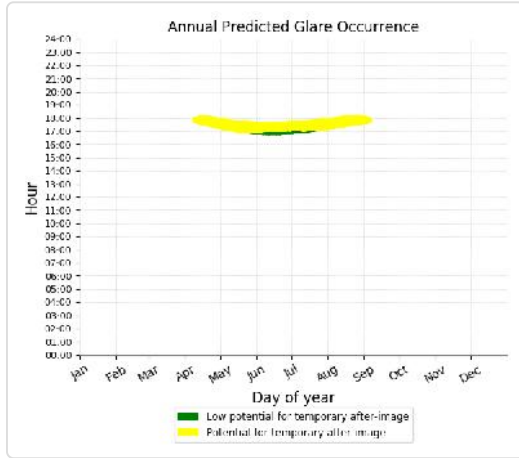
- 557 minutes of "green" glare with low potential to cause temporary after-image.
- 4,545 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 29)

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

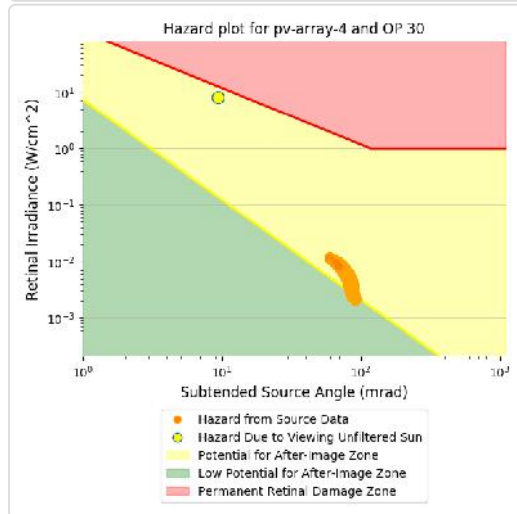
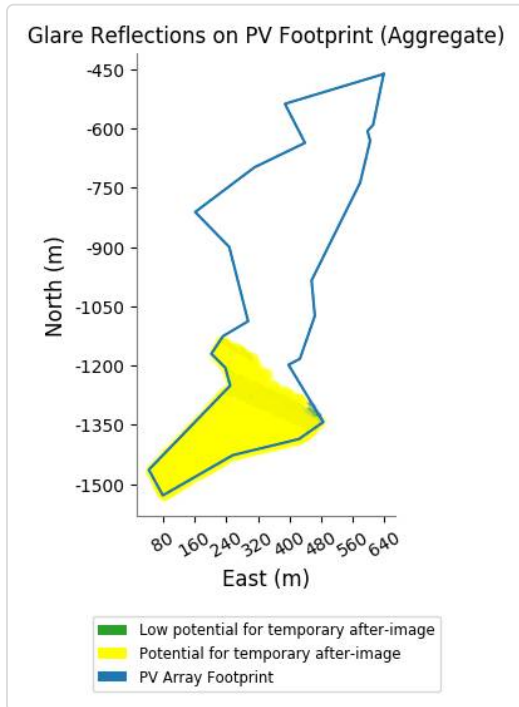
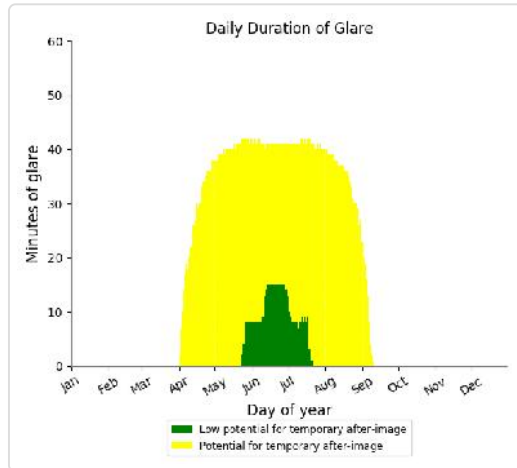
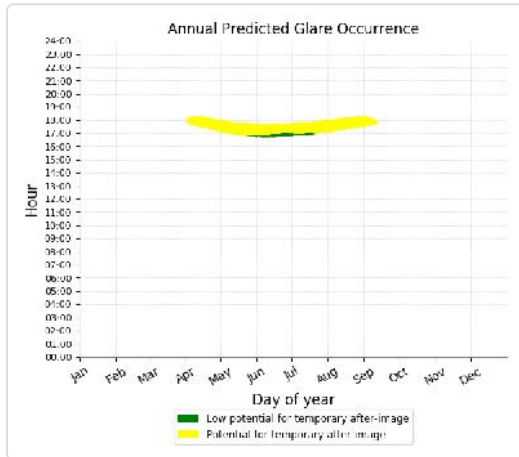
- 595 minutes of "green" glare with low potential to cause temporary after-image.
- 4,830 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 30)

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

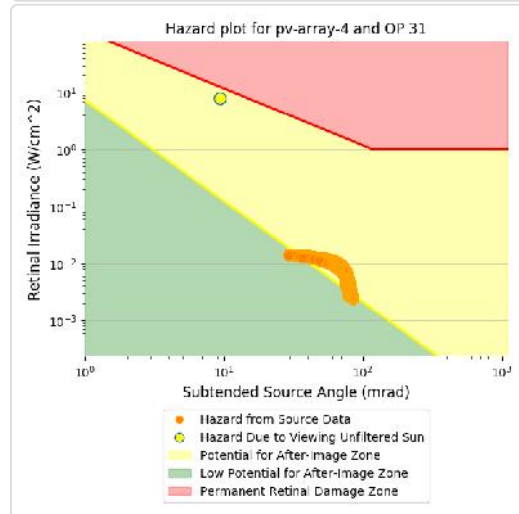
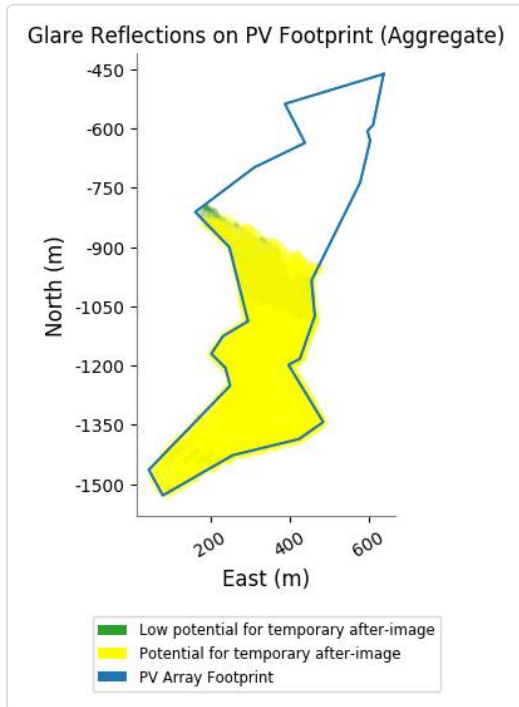
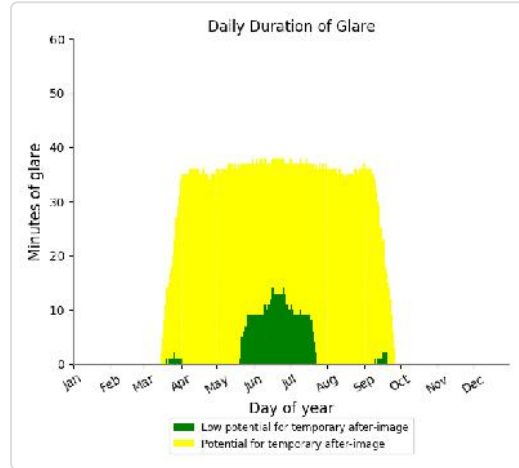
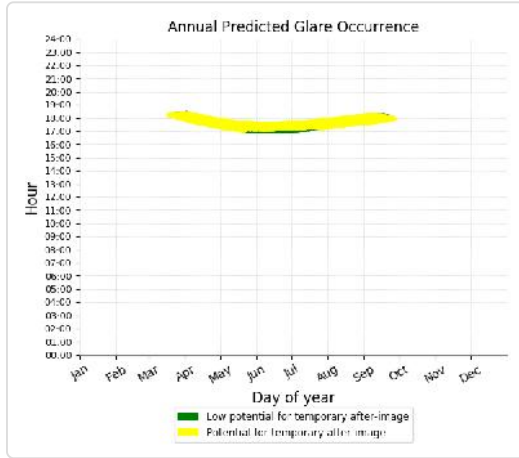
- 584 minutes of "green" glare with low potential to cause temporary after-image.
- 5,148 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 31)

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

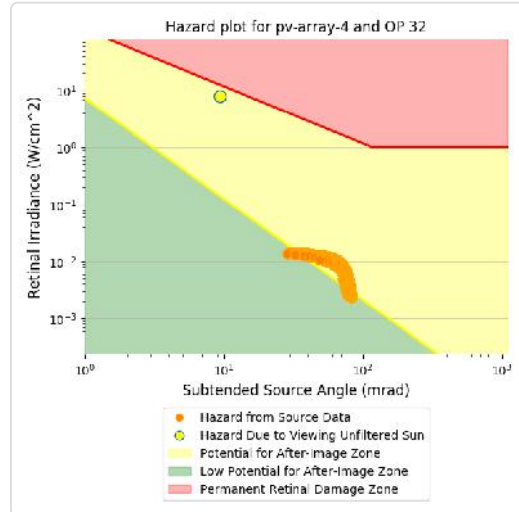
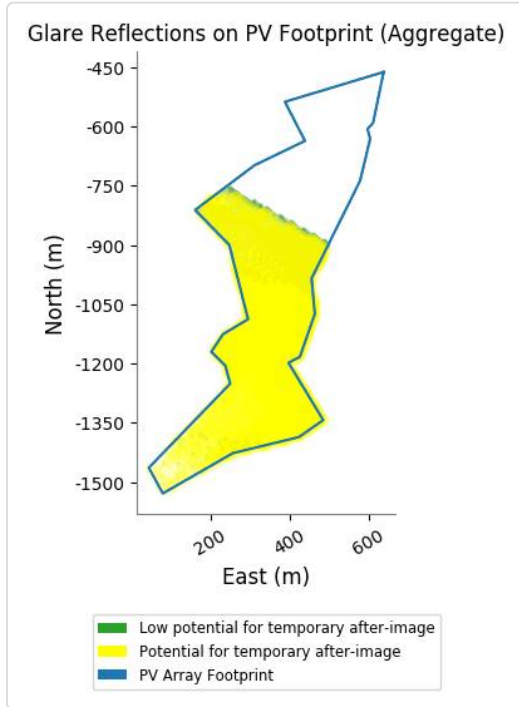
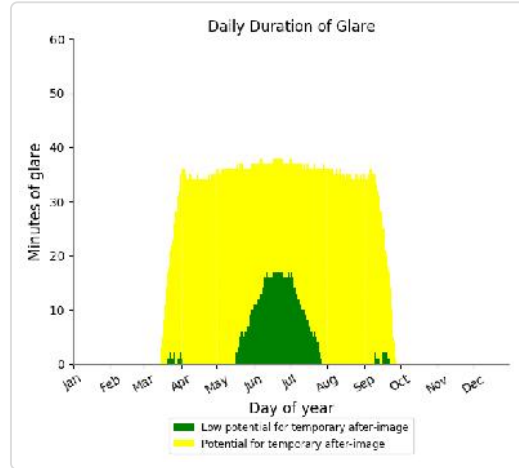
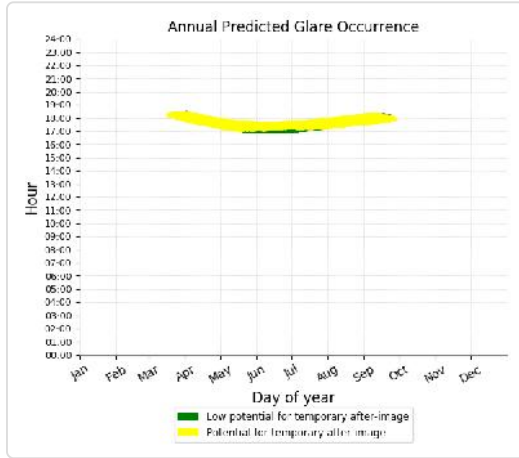
- 640 minutes of "green" glare with low potential to cause temporary after-image.
- 5,873 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 32)

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

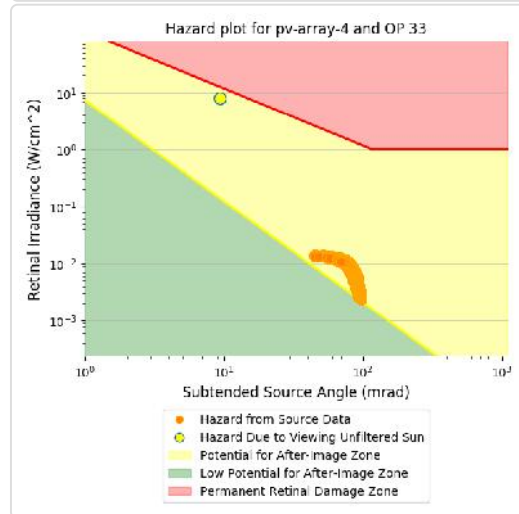
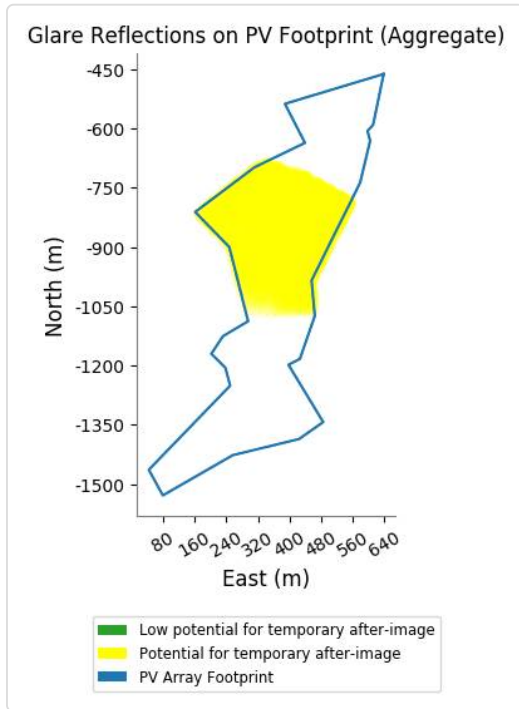
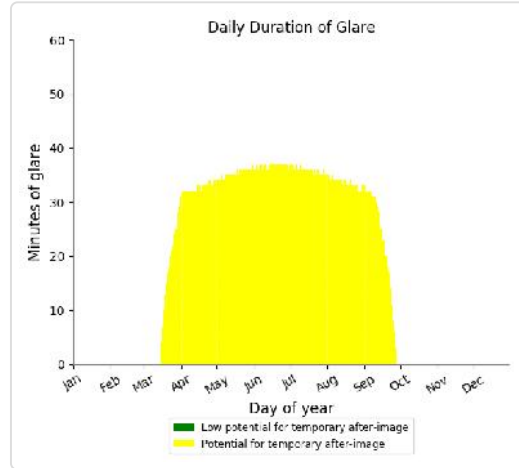
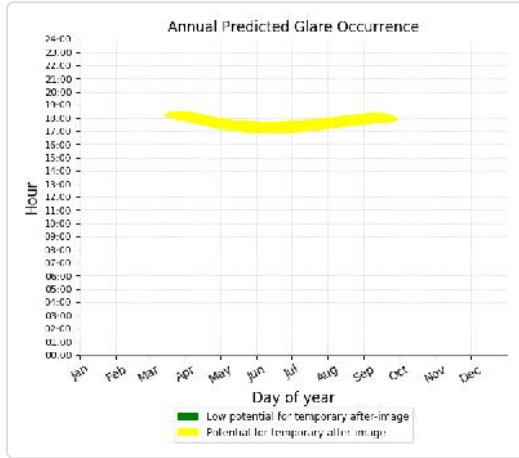
- 827 minutes of "green" glare with low potential to cause temporary after-image.
- 5,677 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 33)

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

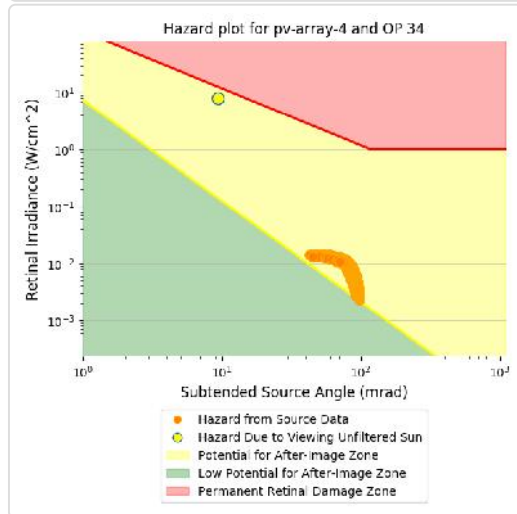
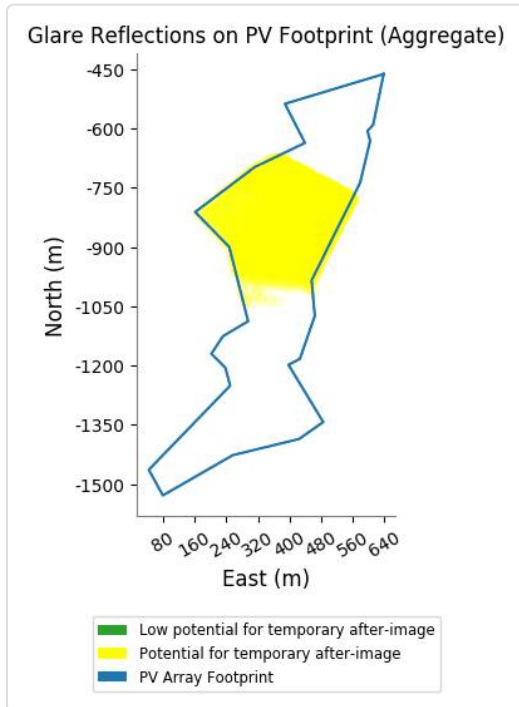
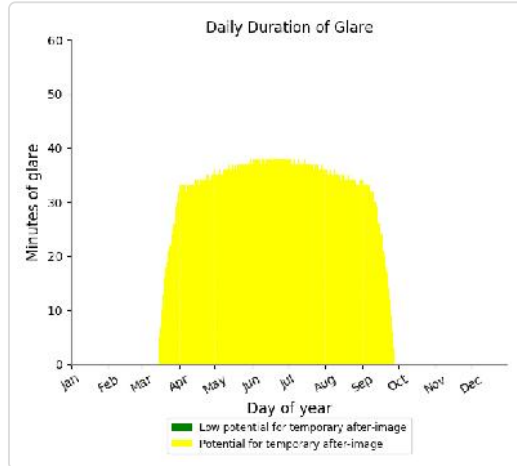
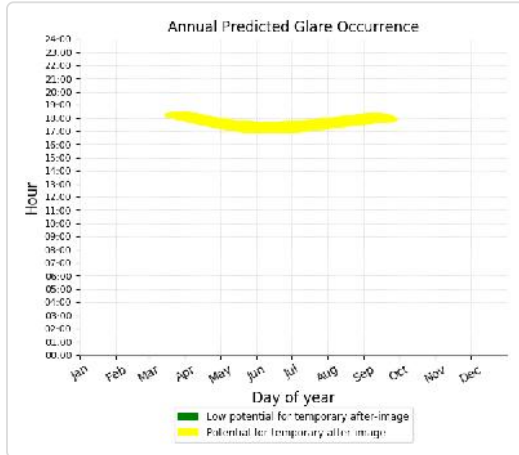
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 6,275 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 34)

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.
- 6,472 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 35)

No glare found

PV array 4 - OP Receptor (OP 36)

No glare found

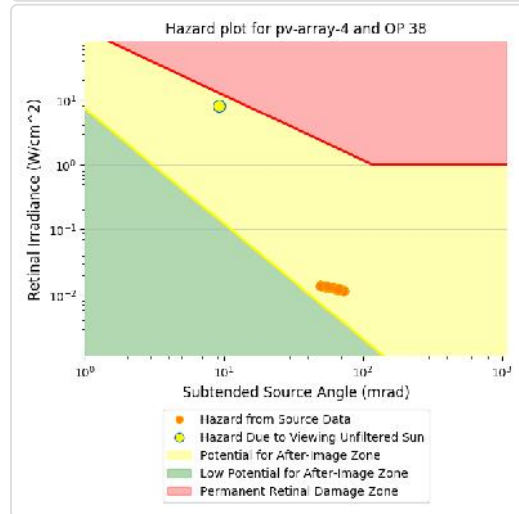
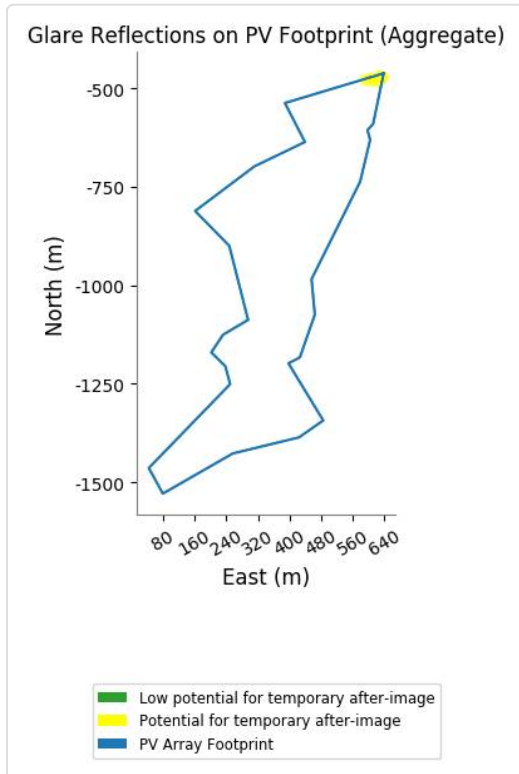
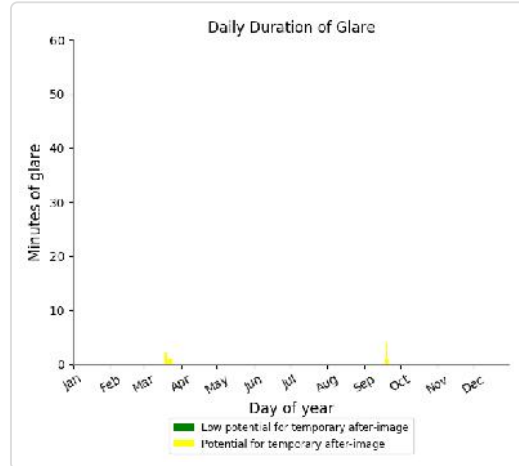
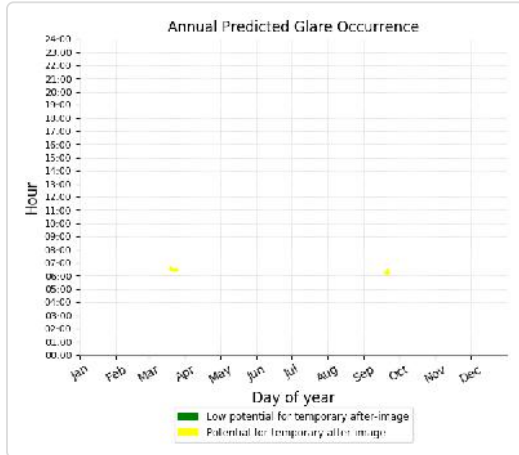
PV array 4 - OP Receptor (OP 37)

No glare found

PV array 4 - OP Receptor (OP 38)

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

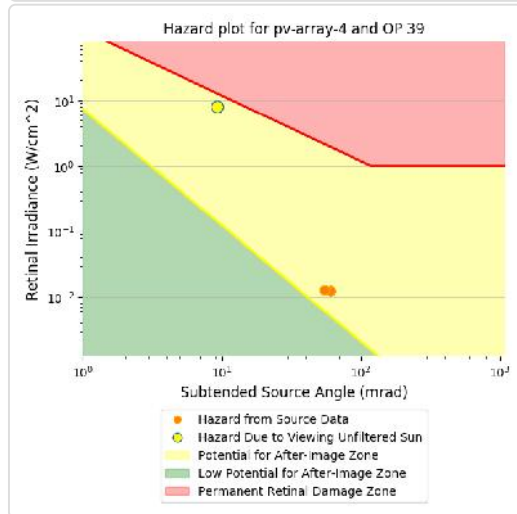
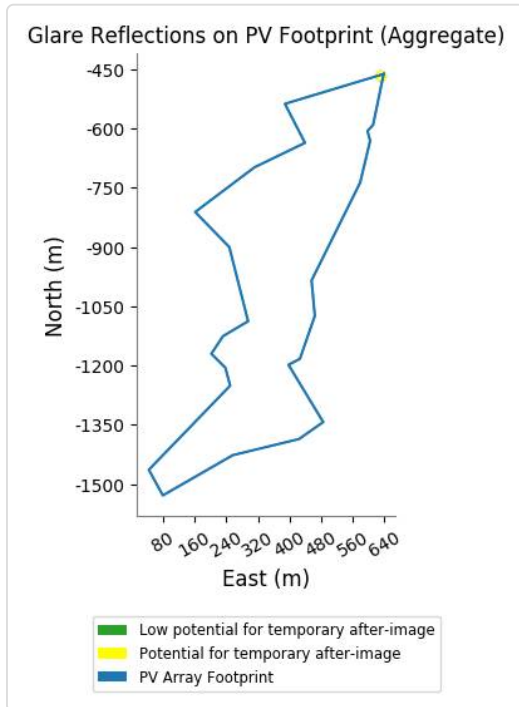
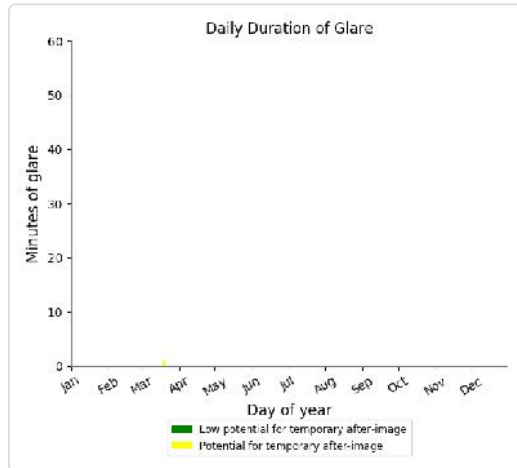
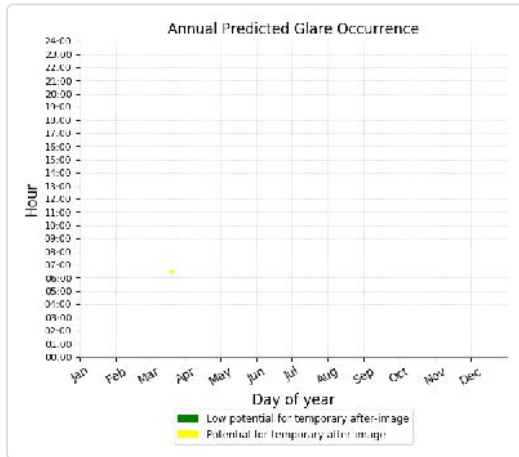
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 14 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 39)

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 minutes of "yellow" glare with potential to cause temporary after-image.



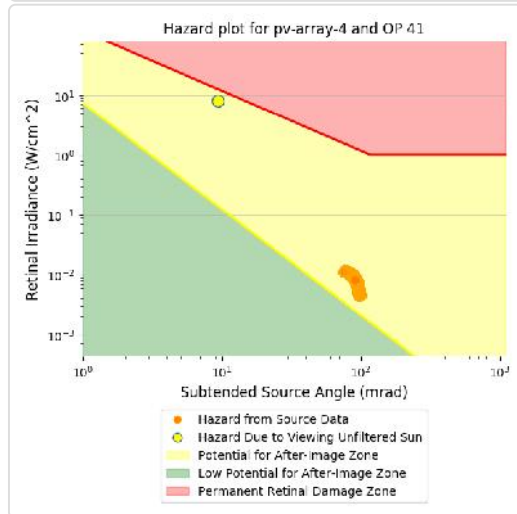
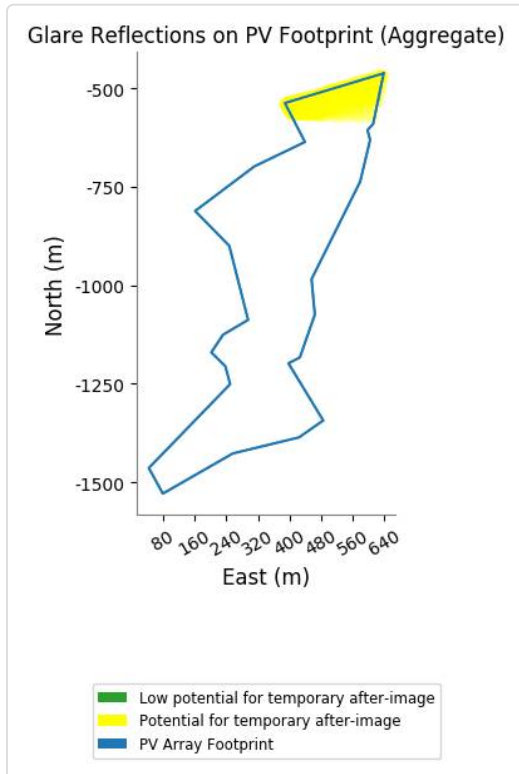
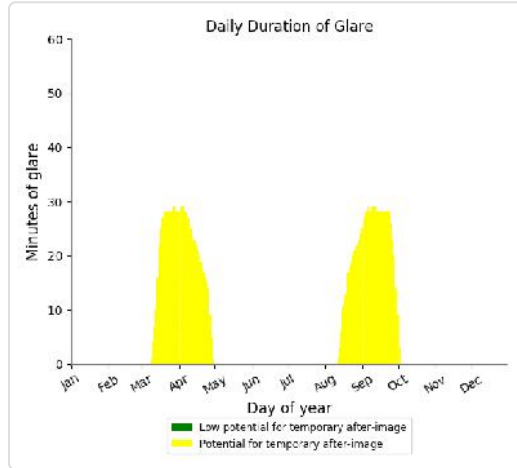
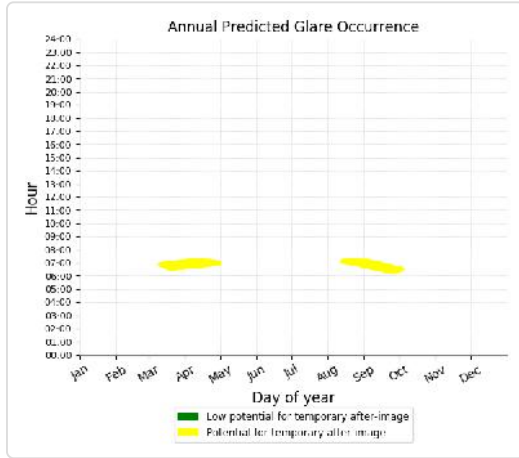
PV array 4 - OP Receptor (OP 40)

No glare found

PV array 4 - OP Receptor (OP 41)

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

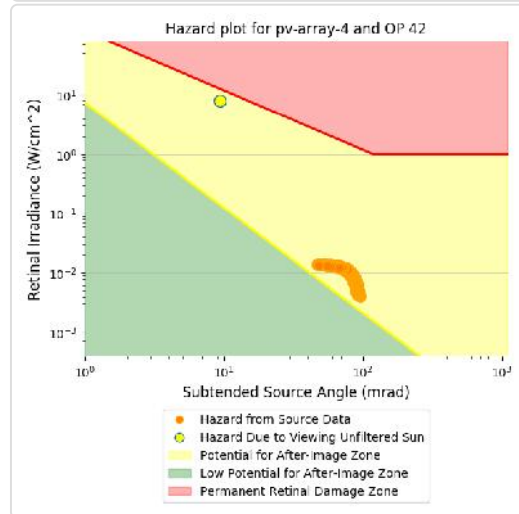
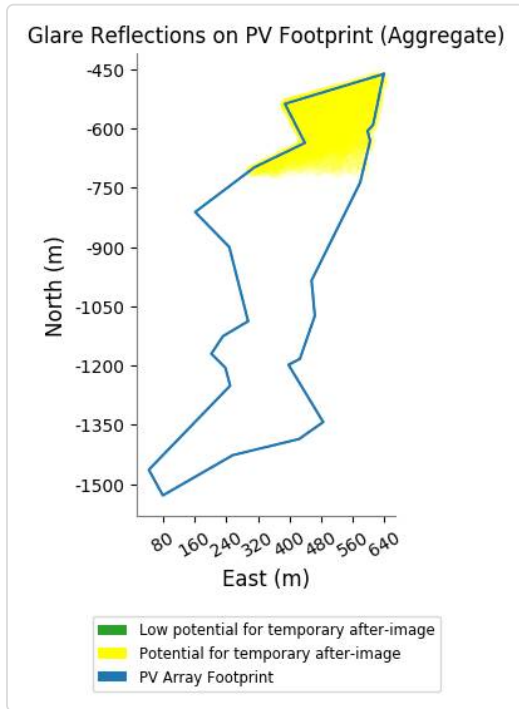
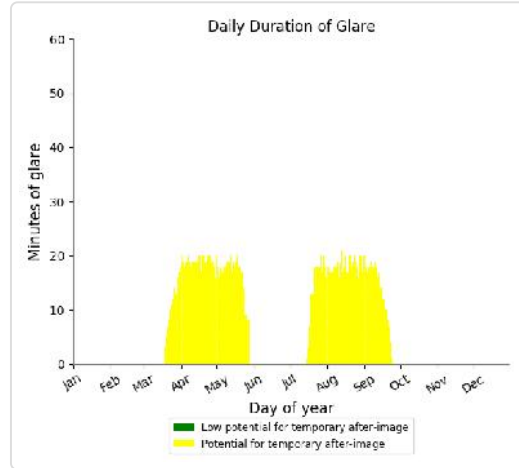
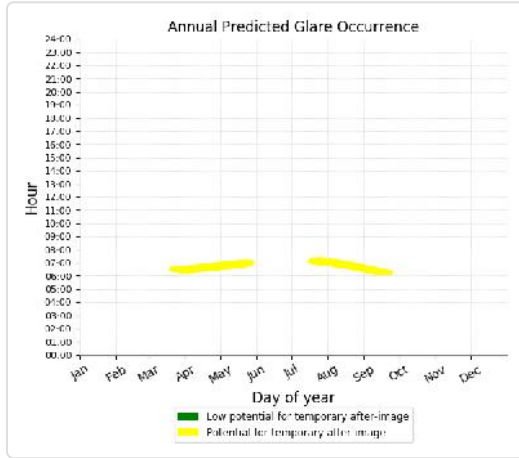
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,242 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 42)

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

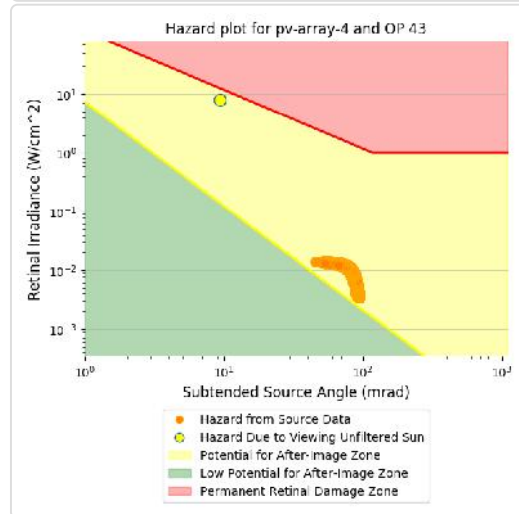
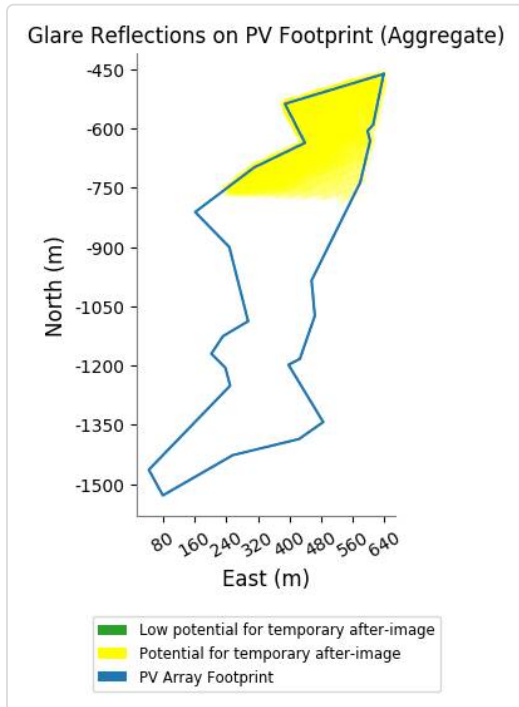
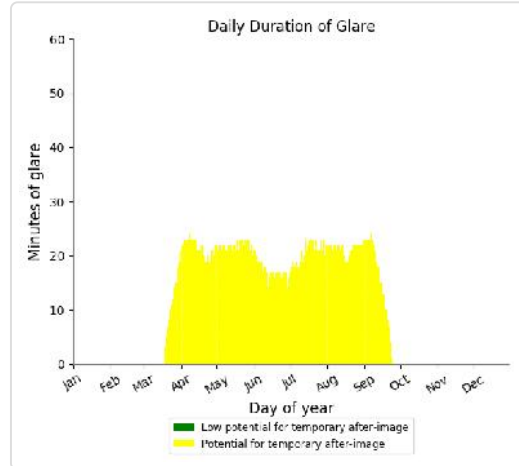
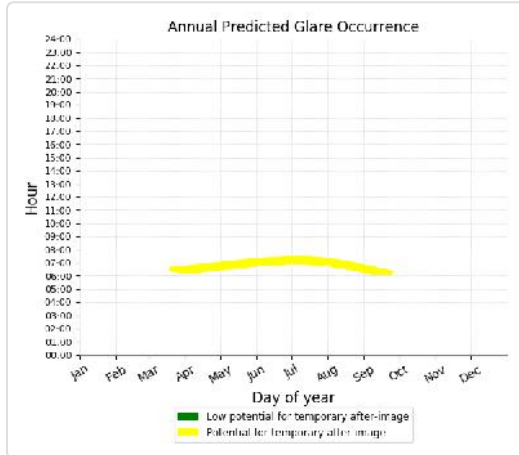
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,308 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 43)

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

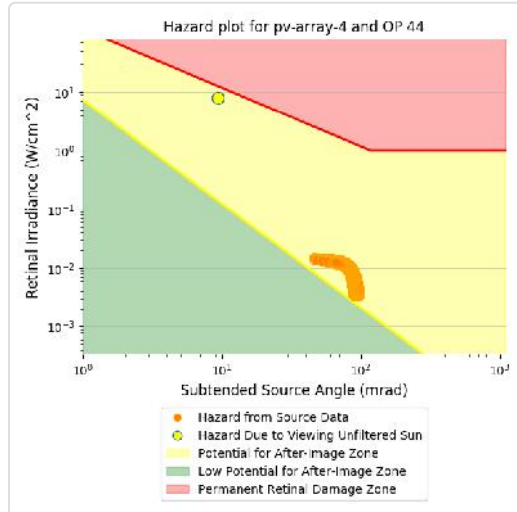
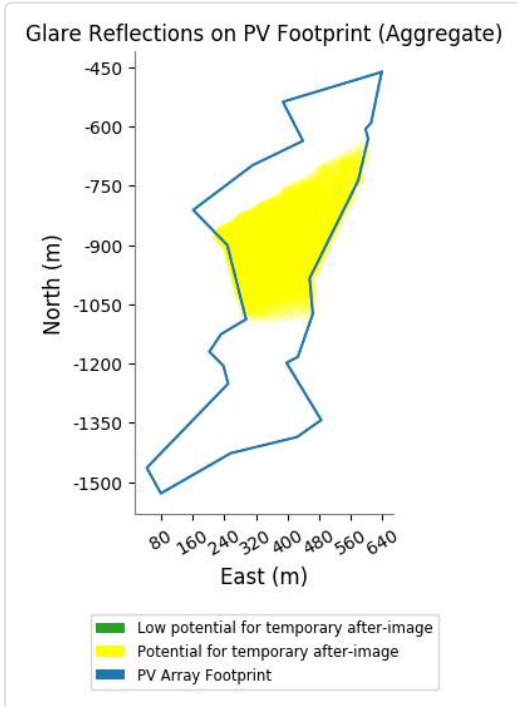
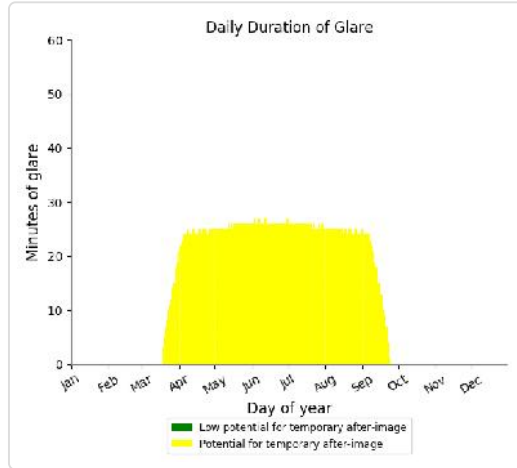
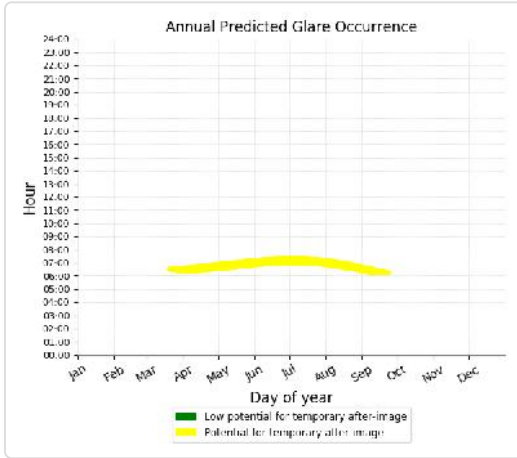
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,681 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 44)

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.
- 4,423 minutes of "yellow" glare with potential to cause temporary after-image.



PV array 4 - OP Receptor (OP 45)

No glare found

PV array 4 - OP Receptor (OP 46)

No glare found

PV array 4 - OP Receptor (OP 47)

No glare found

PV array 4 - OP Receptor (OP 48)

No glare found

PV array 4 - OP Receptor (OP 49)

No glare found

PV array 4 - OP Receptor (OP 50)

No glare found

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 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 : 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.
- Glare analysis methods used: OP V1, FP V1, Route V1
- Refer to the **Help page** for assumptions and limitations not listed here.