ForgeSolar

East Stour Solar Farm

East Stour Solar Farm Residential Receptors

Created Jan. 14, 2022
Updated Jan. 18, 2022
Time-step 1 minute
Timezone offset UTC0
Site ID 63710.11178

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

Misc. Analysis Settings

DNI: **varies (1,000.0 W/m^2 peak)**
Ocular transmission coefficient: **0.5**
Pupil diameter: **0.002 m**
Eye focal length: **0.017 m**
Sun subtended angle: **9.3 mrad**

Analysis Methodologies:

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

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

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
East Array	20.0	180.0	1,543	18,496	-
North Array	20.0	180.0	392	13,801	-
South Array	20.0	180.0	48	28,263	-

Component Data

PV Array(s)

Total PV footprint area: 641,568 m^2

Name: East Array
Axis tracking: Fixed (no rotation)
Tilt: 20.0 deg
Orientation: 180.0 deg
Footprint area: 129,184 m^2
Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.099826	0.973245	55.57	3.00	58.57
2	51.099813	0.972430	55.74	3.00	58.74
3	51.098061	0.970134	65.93	3.00	68.93
4	51.096646	0.973567	59.44	3.00	62.44
5	51.098196	0.976636	59.09	3.00	62.09
6	51.097118	0.978631	69.31	3.00	72.31
7	51.098843	0.980412	59.51	3.00	62.51
8	51.099678	0.978095	59.46	3.00	62.46
9	51.099665	0.977751	58.81	3.00	61.81
10	51.098977	0.977043	57.64	3.00	60.64
11	51.099570	0.976314	56.98	3.00	59.98
12	51.098236	0.974790	59.01	3.00	62.01

Name: North Array
Axis tracking: Fixed (no rotation)
Tilt: 20.0 deg
Orientation: 180.0 deg
Footprint area: 166,796 m^2
Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.112612	0.961030	65.41	3.00	68.41
2	51.111440	0.961523	62.39	3.00	65.39
3	51.110834	0.962167	62.47	3.00	65.47
4	51.110430	0.962038	61.36	3.00	64.36
5	51.109797	0.961223	53.45	3.00	56.45
6	51.108934	0.961266	50.73	3.00	53.73
7	51.108584	0.962897	50.54	3.00	53.54
8	51.108247	0.963326	50.62	3.00	53.62
9	51.107776	0.962939	51.12	3.00	54.12
10	51.107439	0.962532	50.74	3.00	53.74
11	51.107250	0.962510	50.18	3.00	53.18
12	51.107250	0.963218	50.99	3.00	53.99
13	51.108086	0.966437	50.72	3.00	53.72
14	51.109217	0.967210	52.69	3.00	55.69
15	51.109648	0.969784	50.80	3.00	53.80
16	51.111117	0.966158	59.75	3.00	62.75
17	51.110497	0.964141	61.64	3.00	64.64
18	51.111332	0.965171	60.88	3.00	63.88

Name: South Array
Axis tracking: Fixed (no rotation)
Tilt: 20.0 deg
Orientation: 180.0 deg
Footprint area: 345,588 m^2
Rated power: -
Panel material: Light textured glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 9.16 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.105162	0.961158	50.98	3.00	53.98
2	51.102157	0.961201	64.02	3.00	67.02
3	51.101686	0.961523	65.71	3.00	68.71
4	51.101551	0.961158	63.97	3.00	66.97
5	51.100770	0.961158	64.17	3.00	67.17
6	51.098654	0.963175	60.40	3.00	63.40
7	51.098290	0.966416	67.37	3.00	70.37
8	51.099341	0.968433	67.83	3.00	70.83
9	51.102925	0.967725	57.50	3.00	60.50
10	51.103411	0.967252	54.53	3.00	57.53
11	51.103653	0.967617	51.96	3.00	54.96
12	51.103208	0.968969	54.01	3.00	57.01
13	51.103101	0.972274	52.86	3.00	55.86
14	51.103747	0.972617	51.80	3.00	54.80
15	51.104017	0.972038	50.90	3.00	53.90
16	51.104084	0.970085	51.65	3.00	54.65
17	51.103828	0.969978	51.92	3.00	54.92
18	51.103828	0.969355	51.96	3.00	54.96
19	51.104205	0.969269	51.21	3.00	54.21
20	51.104408	0.969420	50.39	3.00	53.39
21	51.104515	0.969248	49.90	3.00	52.90
22	51.104084	0.967553	50.48	3.00	53.48
23	51.105351	0.963519	51.03	3.00	54.03

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	m	m	m
OP 1	51.114187	0.954544	75.64	2.00	77.64
OP 2	51.113709	0.953761	75.76	2.00	77.76
OP 3	51.113399	0.955381	73.77	2.00	75.77
OP 4	51.112833	0.955295	73.09	2.00	75.09
OP 5	51.112759	0.953418	74.53	2.00	76.53
OP 6	51.113022	0.952227	75.85	2.00	77.85
OP 7	51.107916	0.954518	54.06	2.00	56.06
OP 8	51.101274	0.950169	48.05	2.00	50.05
OP 9	51.100297	0.947036	48.54	2.00	50.54
OP 10	51.099987	0.946864	49.59	2.00	51.59
OP 11	51.098286	0.950029	55.15	2.00	57.15
OP 12	51.098100	0.949273	56.71	2.00	58.71
OP 13	51.097511	0.948881	58.09	2.00	60.09
OP 14	51.092693	0.961890	57.09	2.00	59.09
OP 15	51.093269	0.962115	55.68	2.00	57.68
OP 16	51.095975	0.962915	53.42	2.00	55.42
OP 17	51.095846	0.964223	53.35	2.00	55.35
OP 18	51.097160	0.965178	57.22	2.00	59.22
OP 19	51.101555	0.972061	57.58	2.00	59.58
OP 20	51.098691	0.981587	58.95	2.00	60.95
OP 21	51.095986	0.988356	77.83	2.00	79.83
OP 22	51.095069	0.989343	81.99	2.00	83.99
OP 23	51.103392	0.990492	68.38	2.00	70.38
OP 24	51.107641	0.984886	61.32	2.00	63.32
OP 25	51.107884	0.983845	60.14	2.00	62.14
OP 26	51.107651	0.982225	56.17	2.00	58.17
OP 27	51.108773	0.981254	65.11	2.00	67.11
OP 28	51.109800	0.982053	73.10	2.00	75.10
OP 29	51.110443	0.983512	75.82	2.00	77.82
OP 30	51.110629	0.983925	77.12	2.00	79.12
OP 31	51.111184	0.973164	55.13	2.00	57.13
OP 32	51.111151	0.972435	53.55	2.00	55.55
OP 33	51.113333	0.971619	63.69	2.00	65.69
OP 34	51.112848	0.970600	60.69	2.00	62.69
OP 35	51.113070	0.969120	61.73	2.00	63.73
OP 36	51.113734	0.969876	65.18	2.00	67.18

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
East Array	20.0	180.0	1,543	18,496	-	-
North Array	20.0	180.0	392	13,801	-	-
South Array	20.0	180.0	48	28,263	-	-

Distinct glare per month

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

PV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
east-array (green)	0	0	167	82	0	0	0	4	246	0	0	0
east-array (yellow)	0	0	61	1384	1717	1643	1706	1708	376	0	0	0
north-array (green)	0	0	24	0	0	0	0	0	31	0	0	0
north-array (yellow)	0	0	358	781	554	562	563	738	604	2	0	0
south-array (green)	0	0	0	0	0	0	0	0	0	0	0	0
south-array (yellow)	0	0	242	947	1163	1154	1170	1090	519	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

East Array potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	92	0
OP: OP 10	169	0
OP: OP 11	327	162
OP: OP 12	432	204
OP: OP 13	487	295
OP: OP 14	0	1056
OP: OP 15	0	1552
OP: OP 16	28	2566
OP: OP 17	8	2668
OP: OP 18	0	2273
OP: OP 19	0	0
OP: OP 20	0	2988
OP: OP 21	0	2512
OP: OP 22	0	2220
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	0	0
OP: OP 36	0	0

East Array - OP Receptor (OP 1)

No glare found

East Array - OP Receptor (OP 2)

No glare found

East Array - OP Receptor (OP 3)

No glare found

East Array - OP Receptor (OP 4)

No glare found

East Array - OP Receptor (OP 5)

No glare found

East Array - OP Receptor (OP 6)

No glare found

East Array - OP Receptor (OP 7)

No glare found

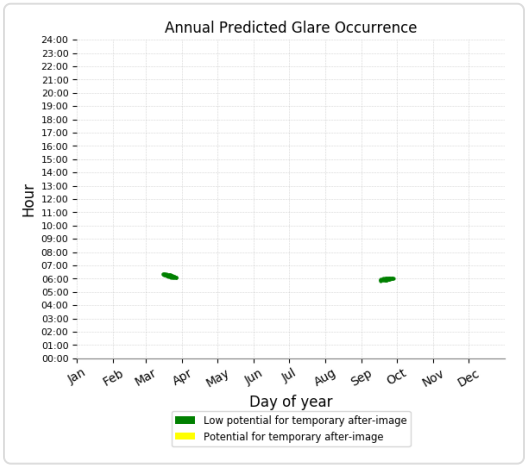
East Array - OP Receptor (OP 8)

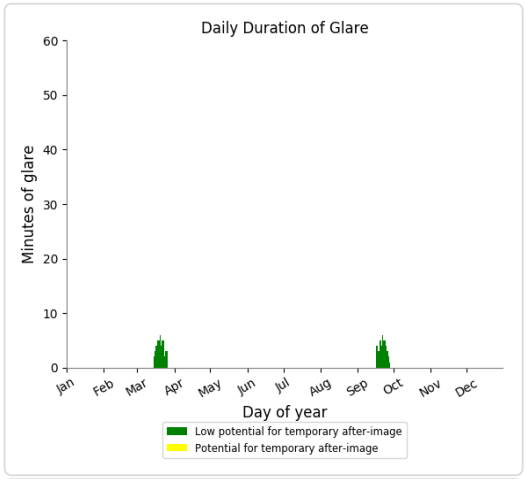
No glare found

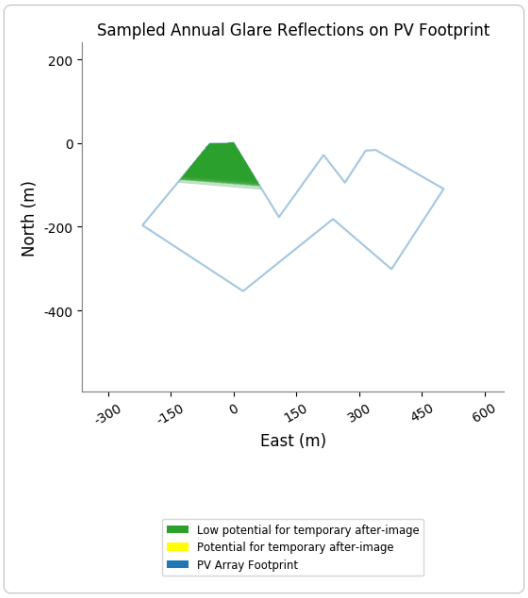
East Array - OP Receptor (OP 9)

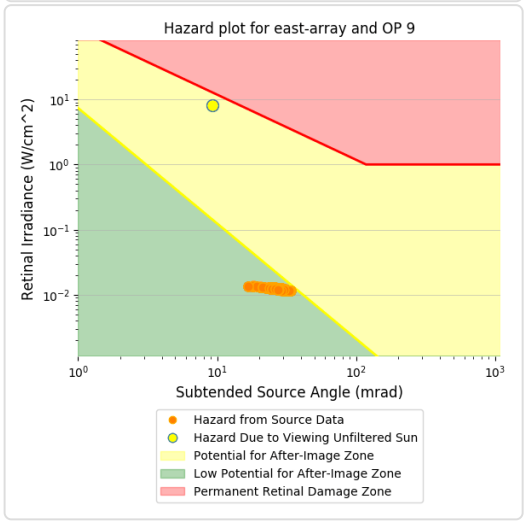
PV array is expected to produce the following glare for receptors at this location:

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





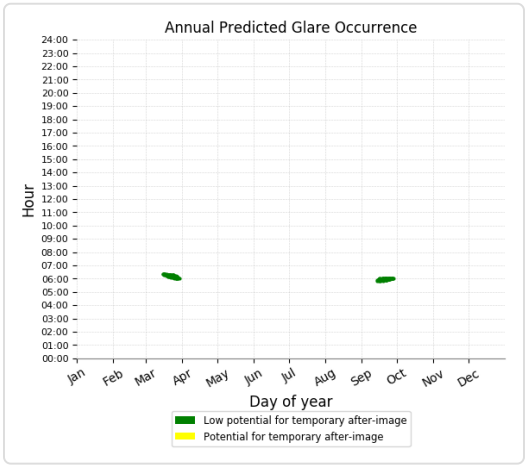


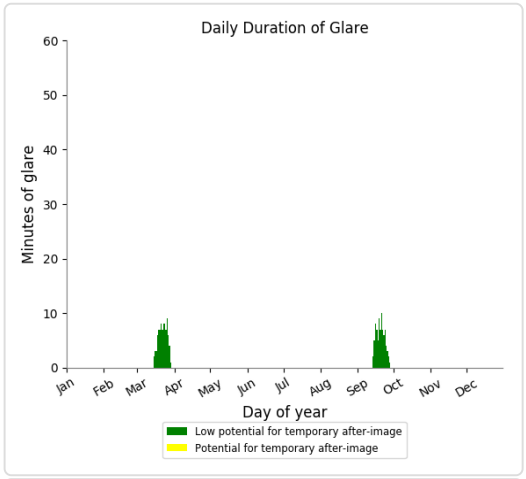


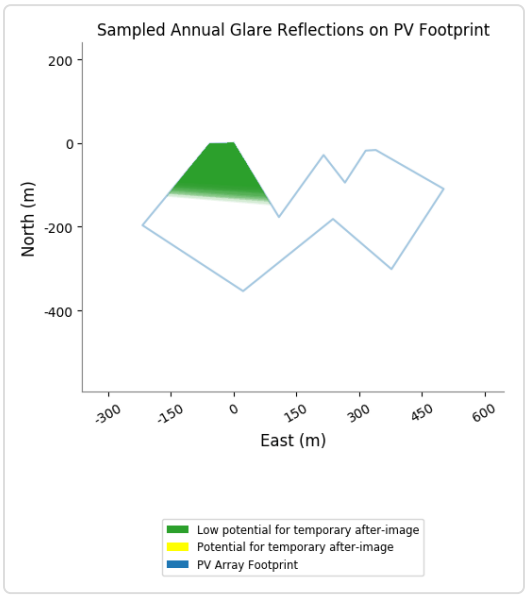
East Array - OP Receptor (OP 10)

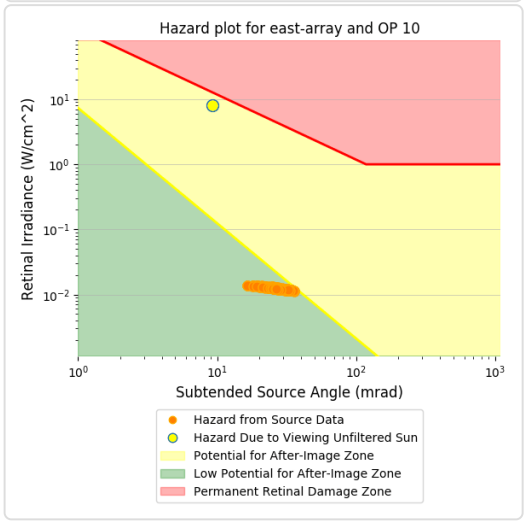
PV array is expected to produce the following glare for receptors at this location:

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





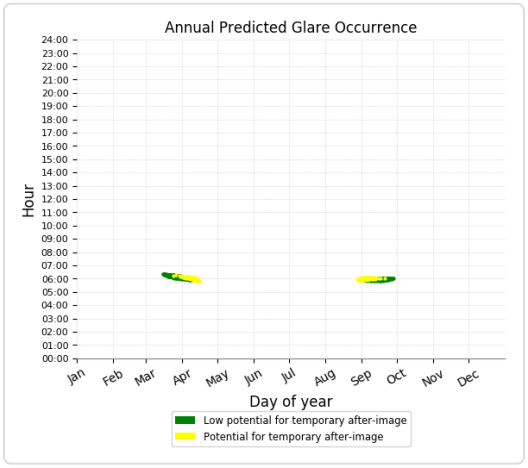


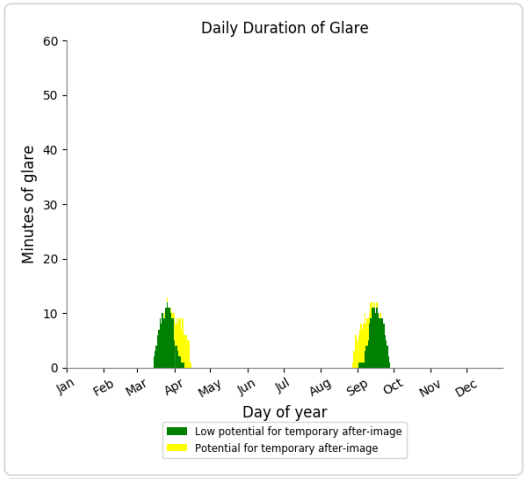


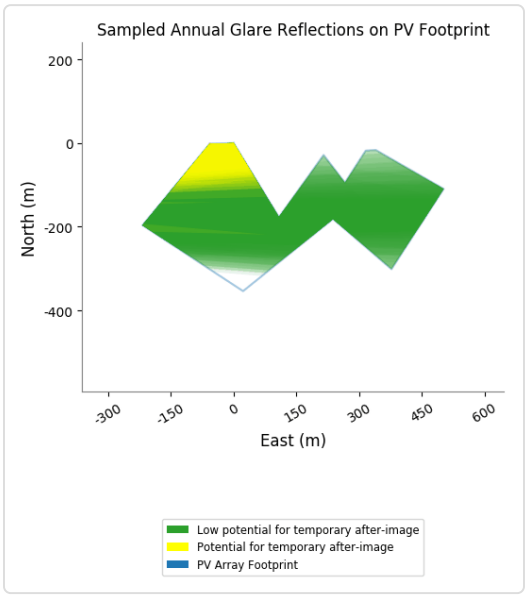
East Array - OP Receptor (OP 11)

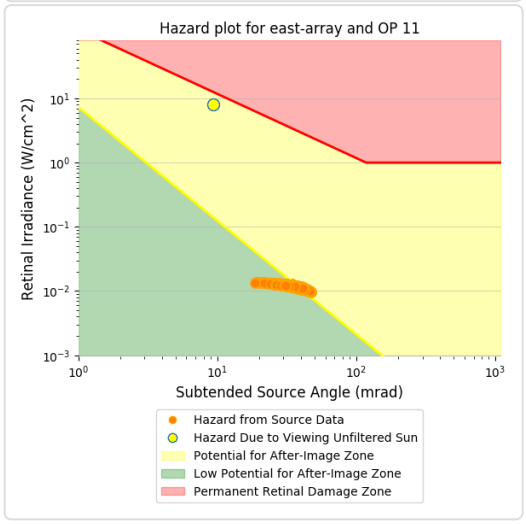
PV array is expected to produce the following glare for receptors at this location:

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





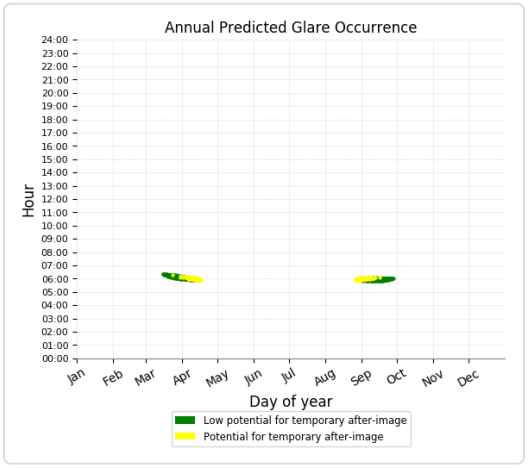


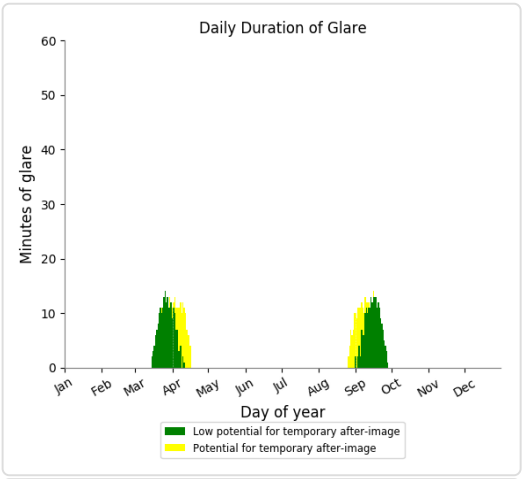


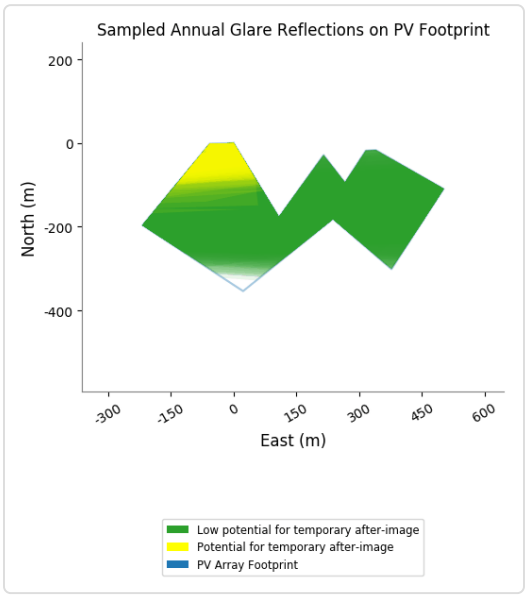
East Array - OP Receptor (OP 12)

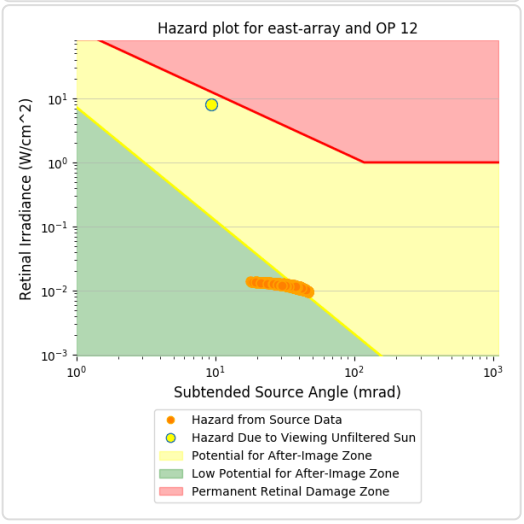
PV array is expected to produce the following glare for receptors at this location:

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





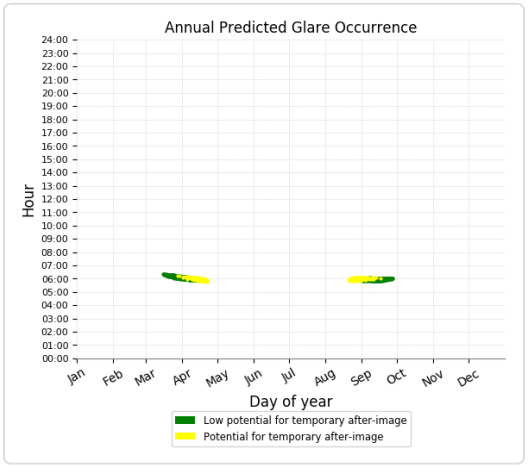


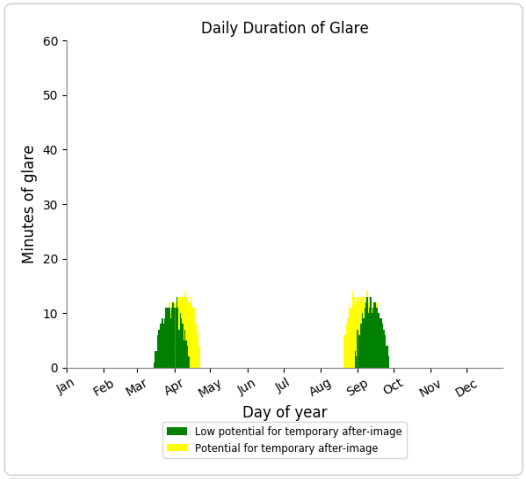


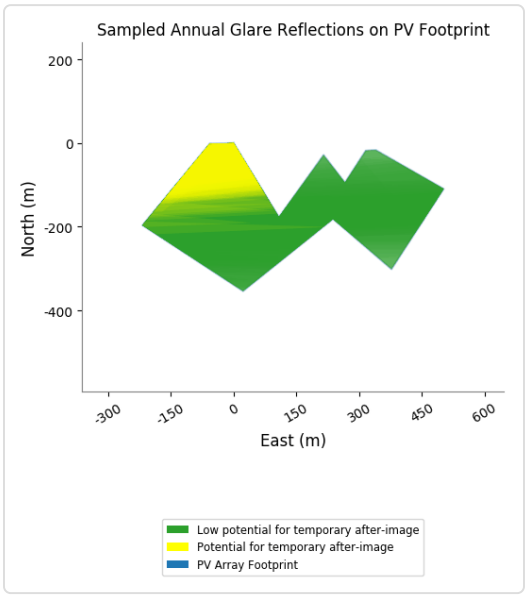
East Array - OP Receptor (OP 13)

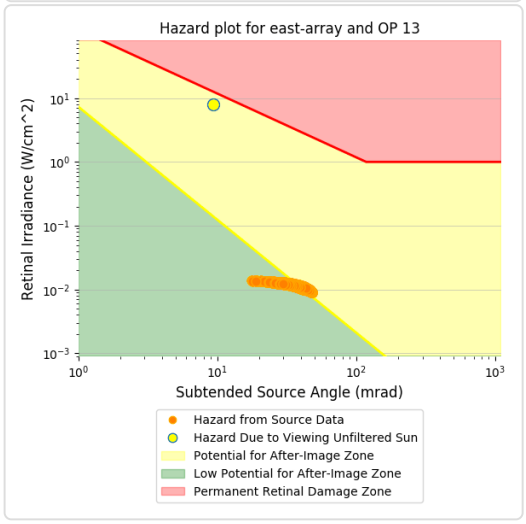
PV array is expected to produce the following glare for receptors at this location:

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





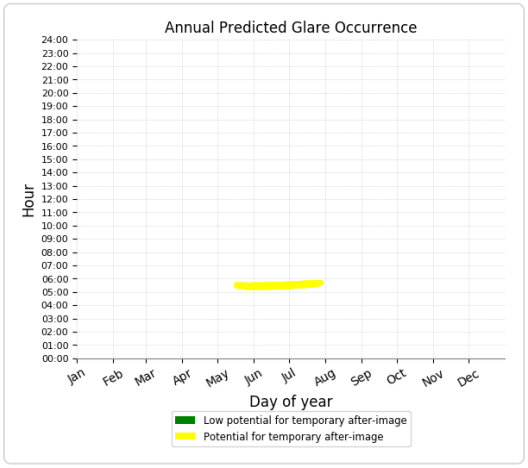


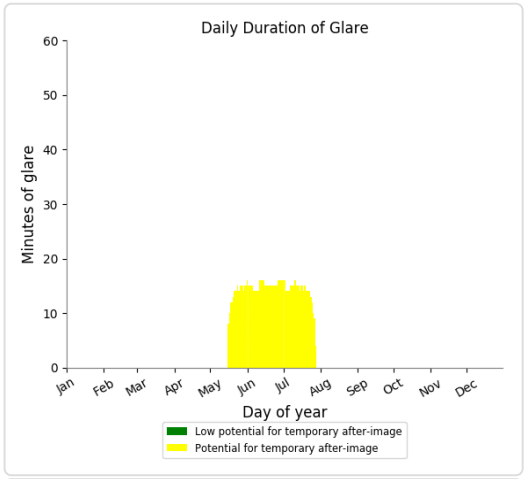


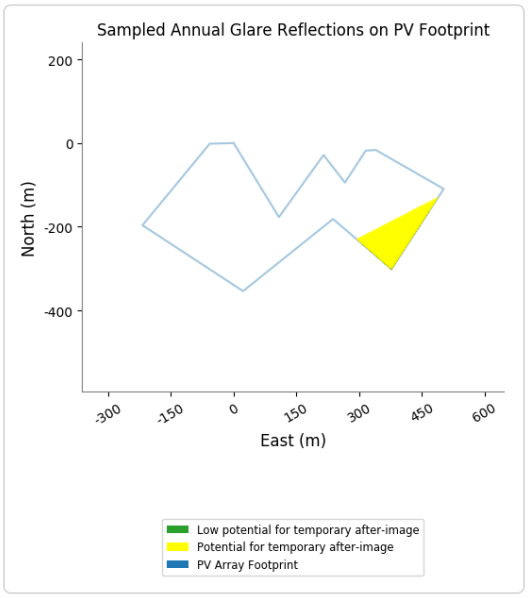
East Array - OP Receptor (OP 14)

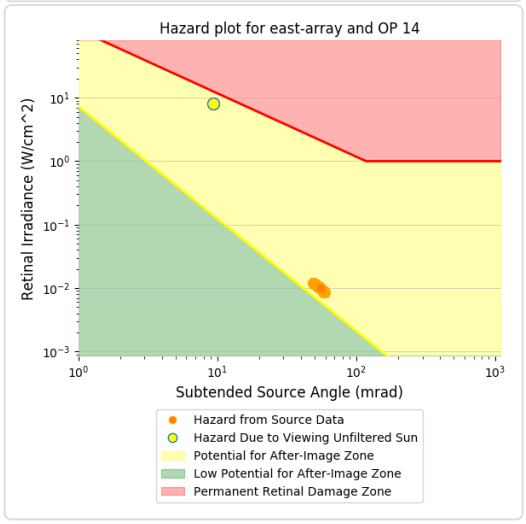
PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,056 minutes of "yellow" glare with potential to cause temporary after-image.





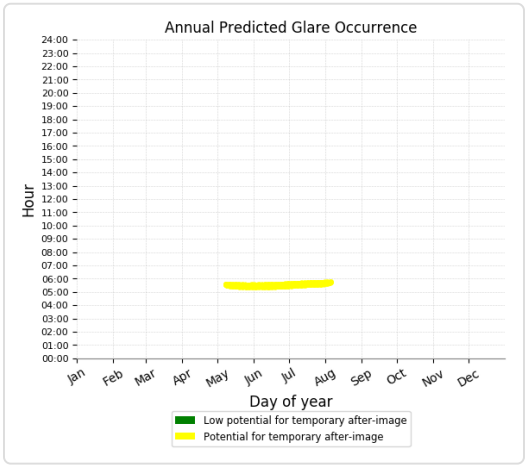


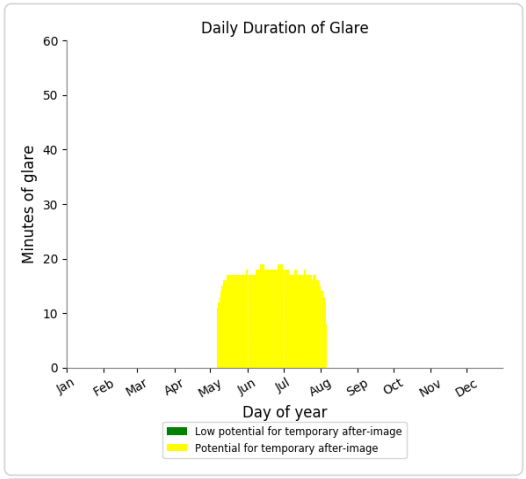


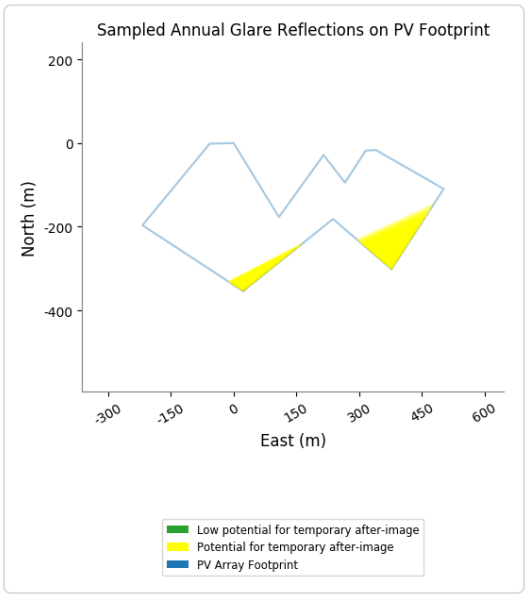
East Array - OP Receptor (OP 15)

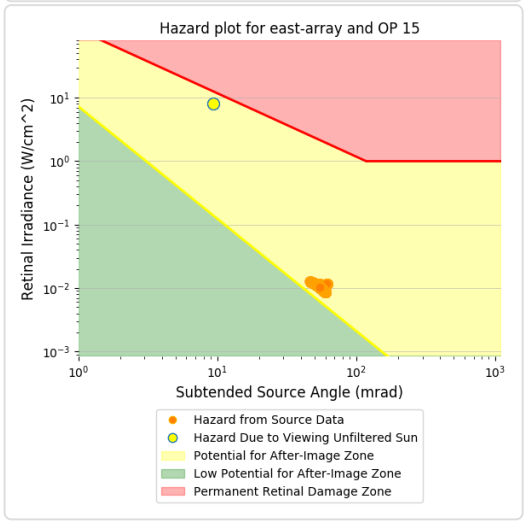
PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,552 minutes of "yellow" glare with potential to cause temporary after-image.





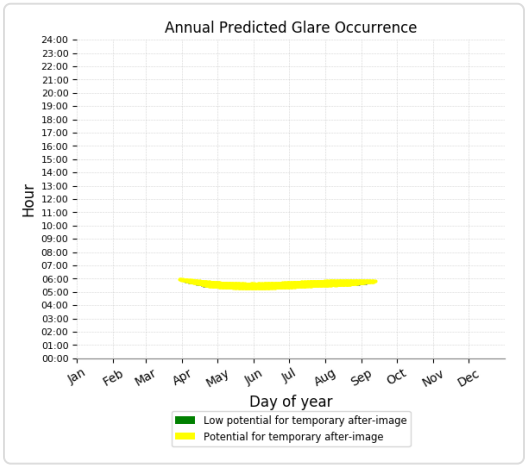


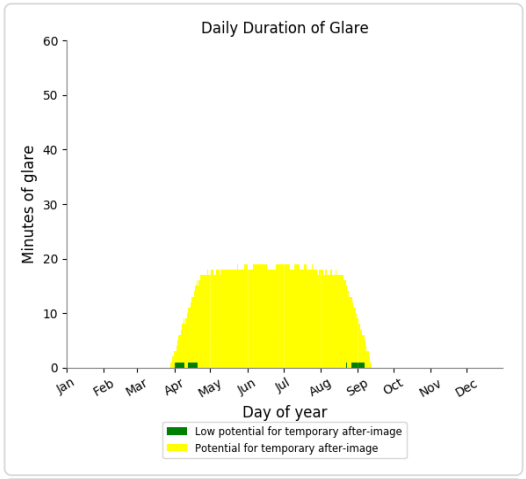


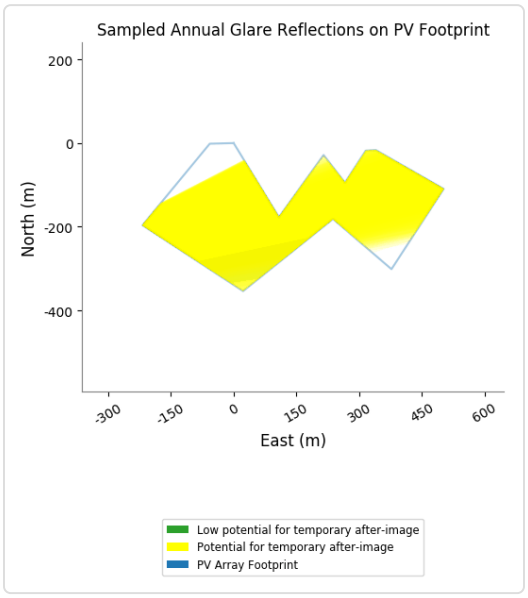
East Array - OP Receptor (OP 16)

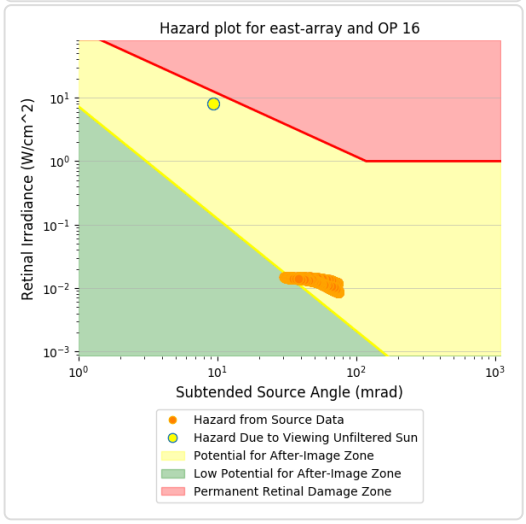
PV array is expected to produce the following glare for receptors at this location:

- 28 minutes of "green" glare with low potential to cause temporary after-image.
- 2,566 minutes of "yellow" glare with potential to cause temporary after-image.





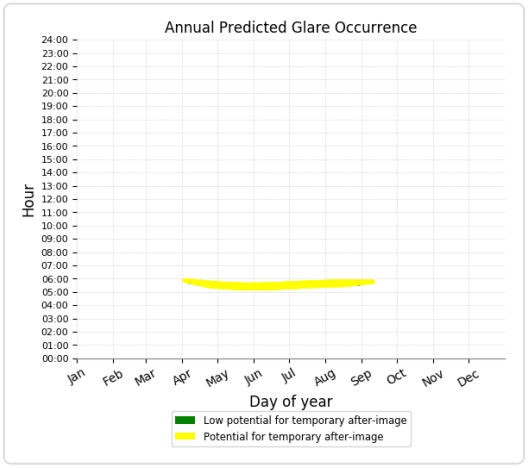


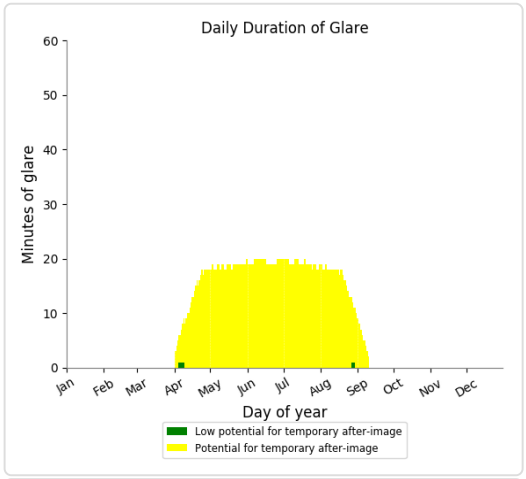


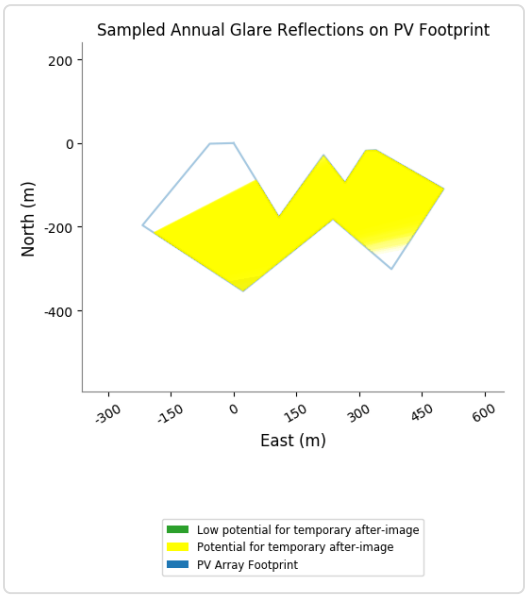
East Array - OP Receptor (OP 17)

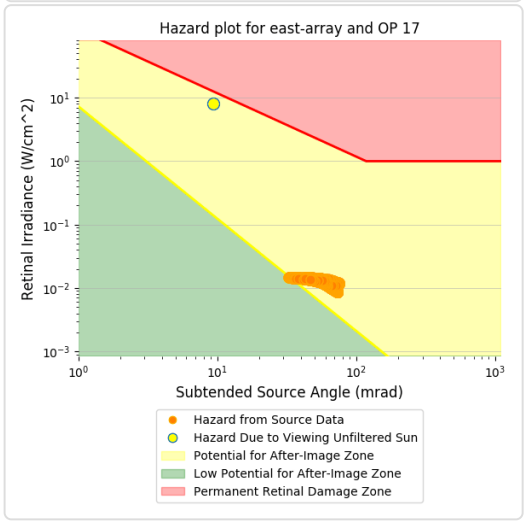
PV array is expected to produce the following glare for receptors at this location:

- 8 minutes of "green" glare with low potential to cause temporary after-image.
- 2,668 minutes of "yellow" glare with potential to cause temporary after-image.





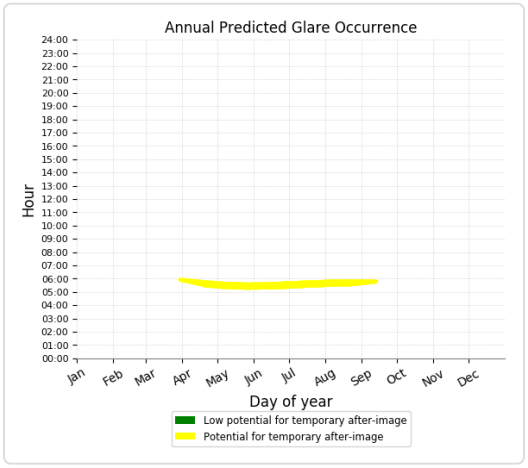


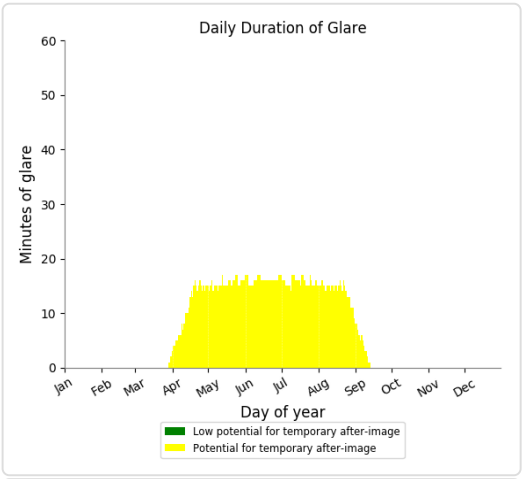


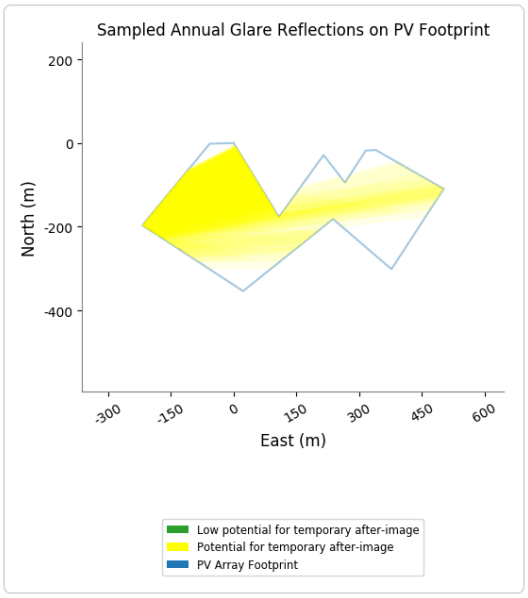
East Array - OP Receptor (OP 18)

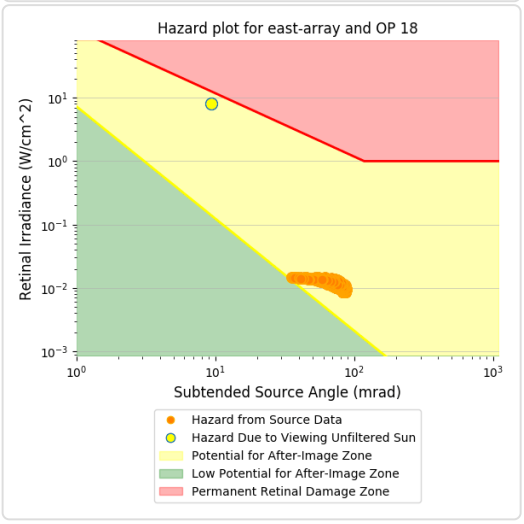
PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,273 minutes of "yellow" glare with potential to cause temporary after-image.









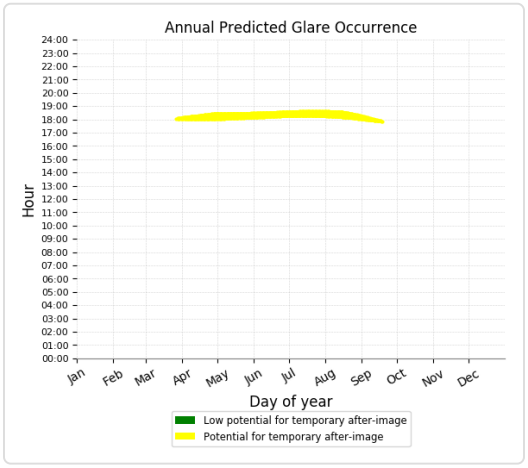
East Array - OP Receptor (OP 19)

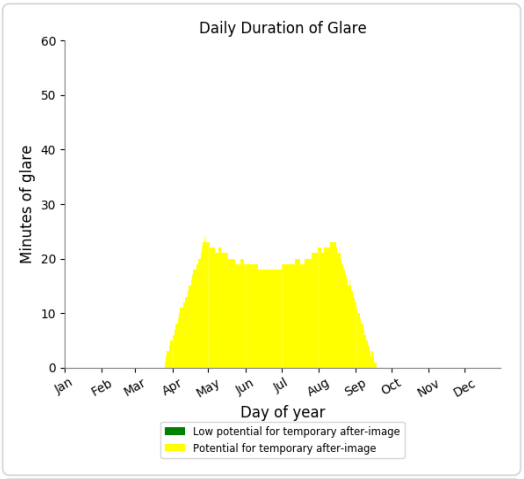
No glare found

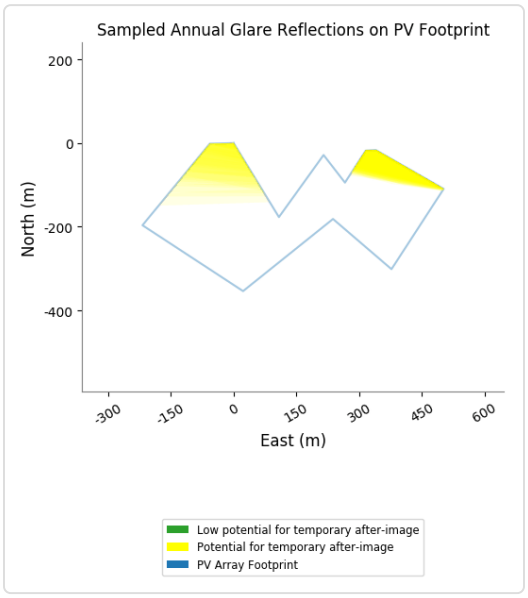
East Array - OP Receptor (OP 20)

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.
- 2,988 minutes of "yellow" glare with potential to cause temporary after-image.



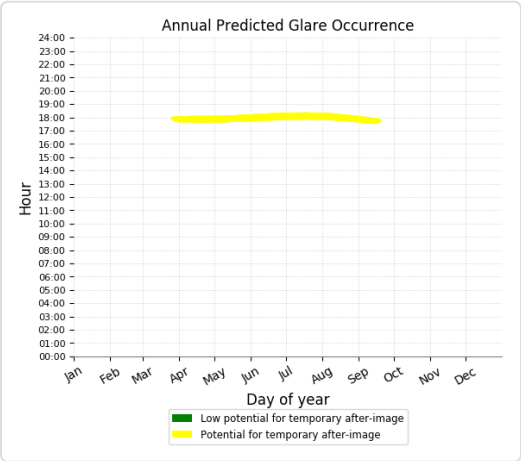


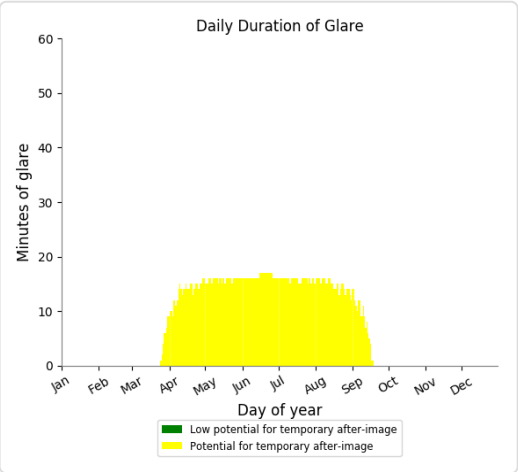


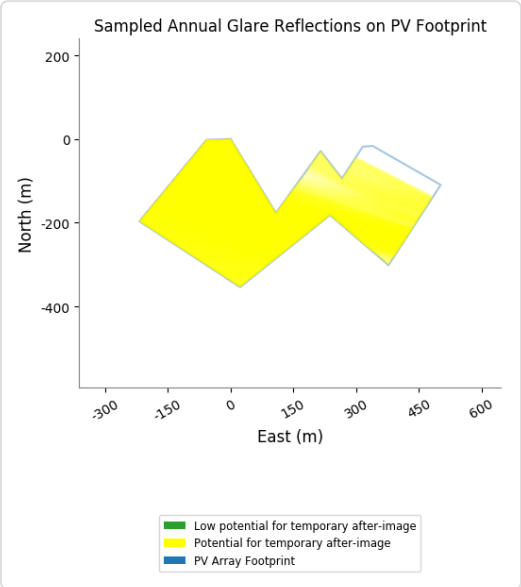
East Array - OP Receptor (OP 21)

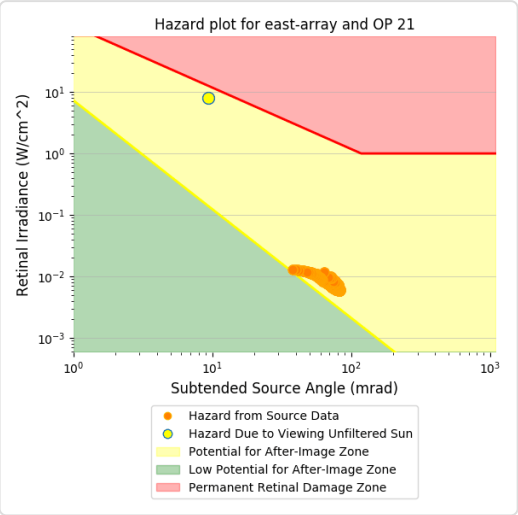
PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,512 minutes of "yellow" glare with potential to cause temporary after-image.





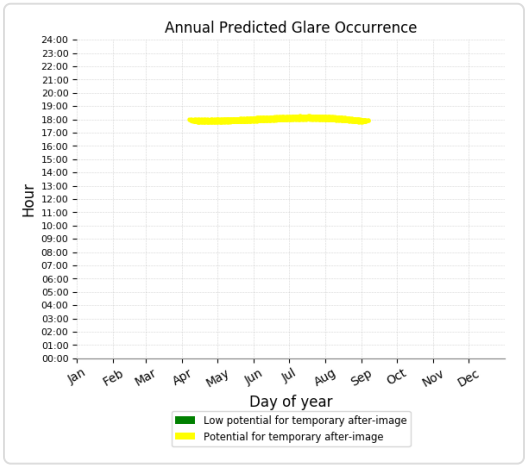


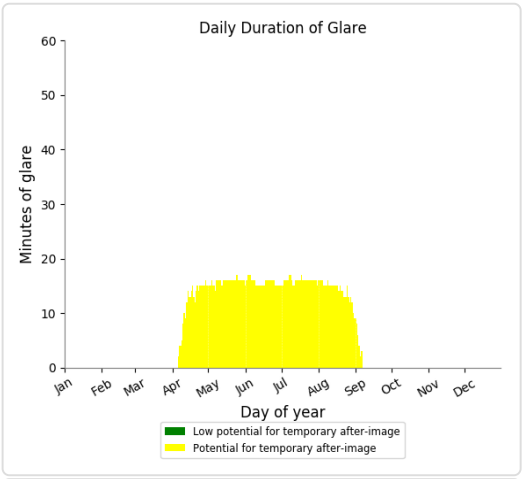


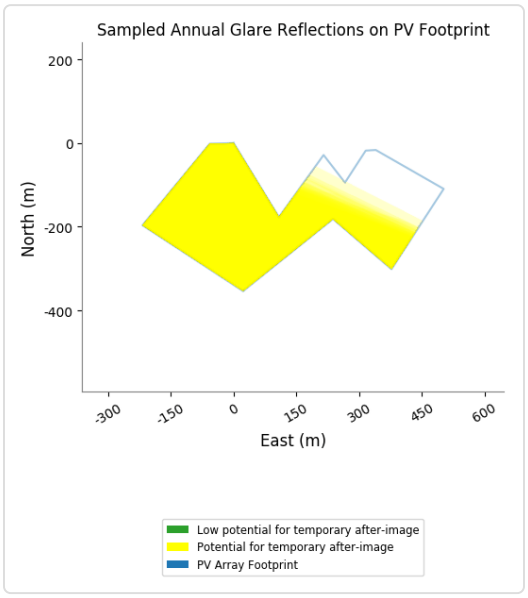
East Array - OP Receptor (OP 22)

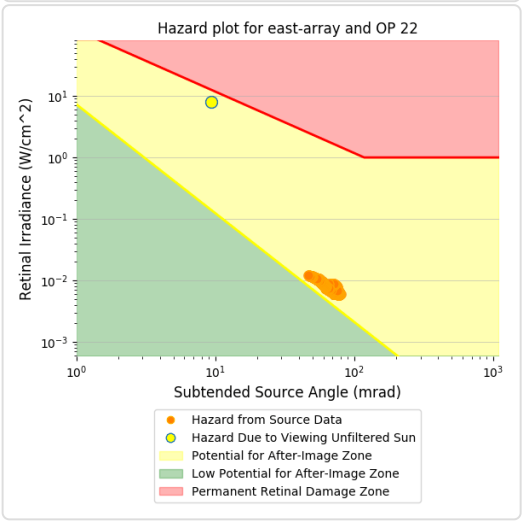
PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,220 minutes of "yellow" glare with potential to cause temporary after-image.









East Array - OP Receptor (OP 23)

No glare found

East Array - OP Receptor (OP 24)

No glare found

East Array - OP Receptor (OP 25)

No glare found

East Array - OP Receptor (OP 26)

No glare found

East Array - OP Receptor (OP 27)

No glare found

East Array - OP Receptor (OP 28)

No glare found

East Array - OP Receptor (OP 29)

No glare found

East Array - OP Receptor (OP 30)

No glare found

East Array - OP Receptor (OP 31)

No glare found

East Array - OP Receptor (OP 32)

No glare found

East Array - OP Receptor (OP 33)

No glare found

East Array - OP Receptor (OP 34)

No glare found

East Array - OP Receptor (OP 35)

No glare found

East Array - OP Receptor (OP 36)

No glare found

North Array potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	161
OP: OP 5	0	298
OP: OP 6	0	102
OP: OP 7	0	33
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	4	2336
OP: OP 24	95	1687
OP: OP 25	74	1722
OP: OP 26	21	1362
OP: OP 27	33	1622
OP: OP 28	36	1429
OP: OP 29	41	1040
OP: OP 30	88	964
OP: OP 31	0	485
OP: OP 32	0	560
OP: OP 33	0	0
OP: OP 34	0	0

OP: OP 35	0	0
OP: OP 36	0	0

North Array - OP Receptor (OP 1)

No glare found

North Array - OP Receptor (OP 2)

No glare found

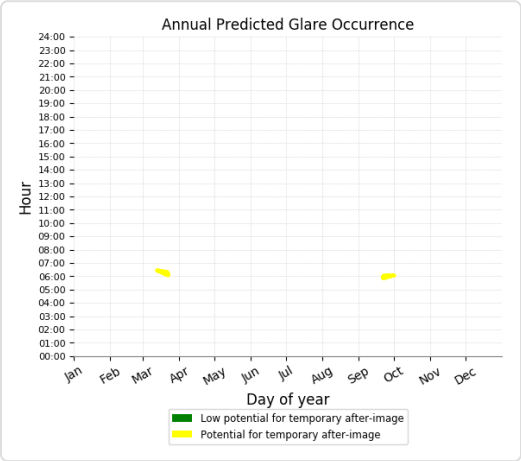
North Array - OP Receptor (OP 3)

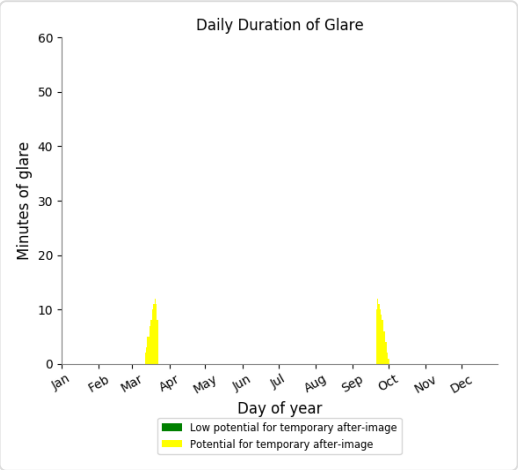
No glare found

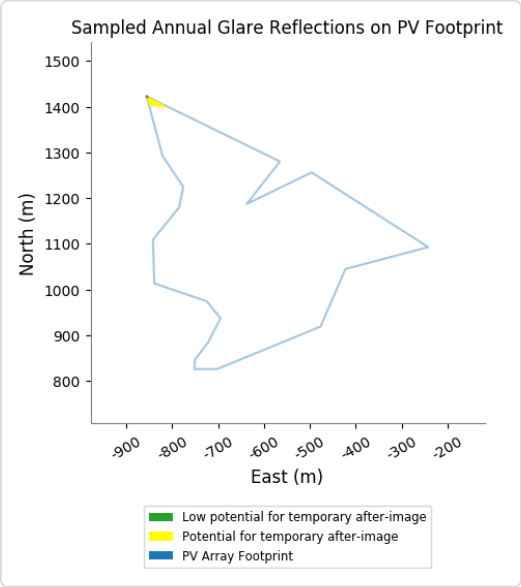
North Array - OP Receptor (OP 4)

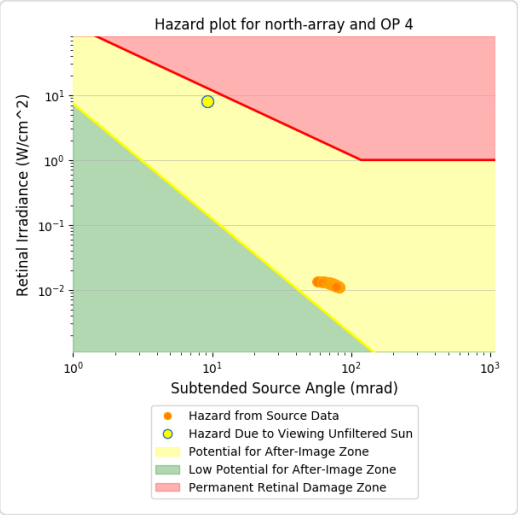
PV array is expected to produce the following glare for receptors at this location:

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





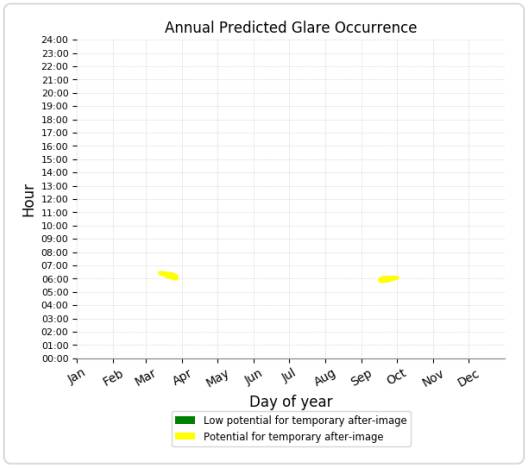


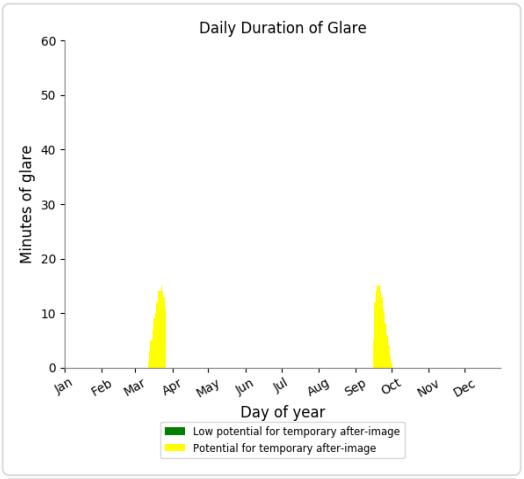


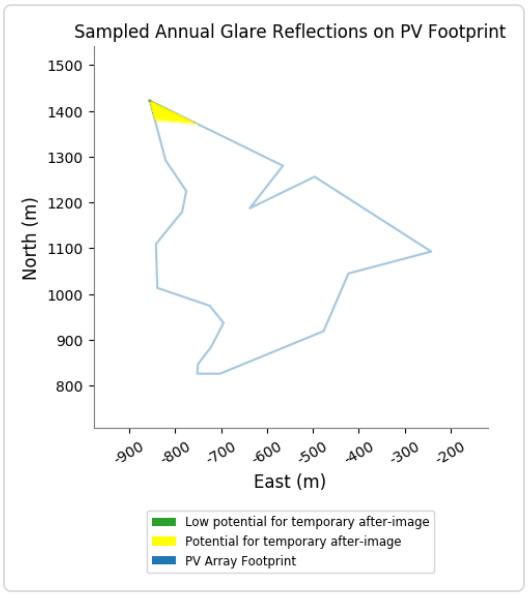
North Array - OP Receptor (OP 5)

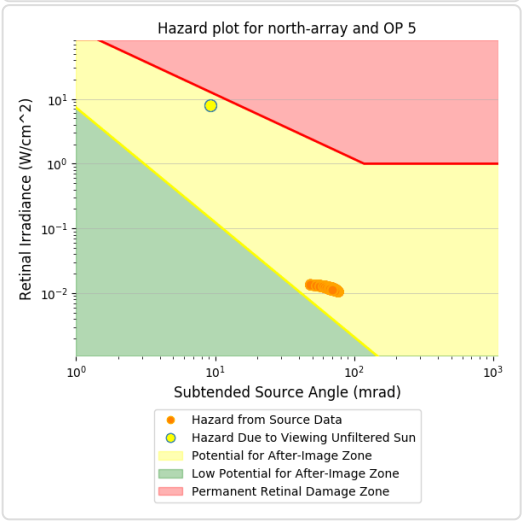
PV array is expected to produce the following glare for receptors at this location:

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





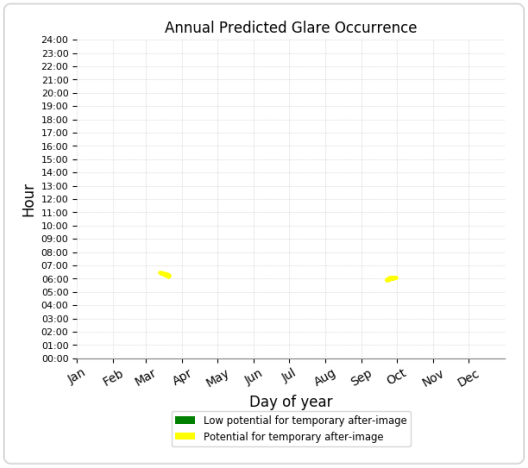


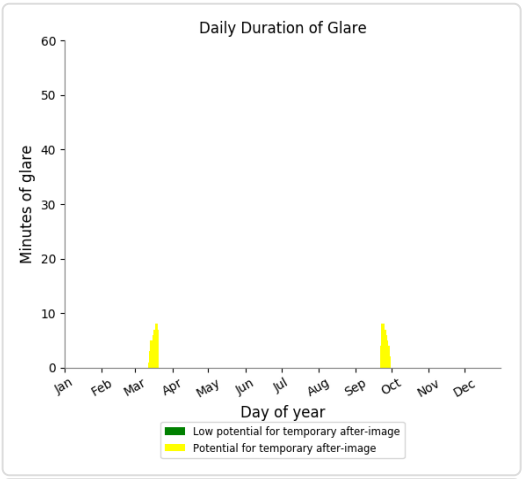


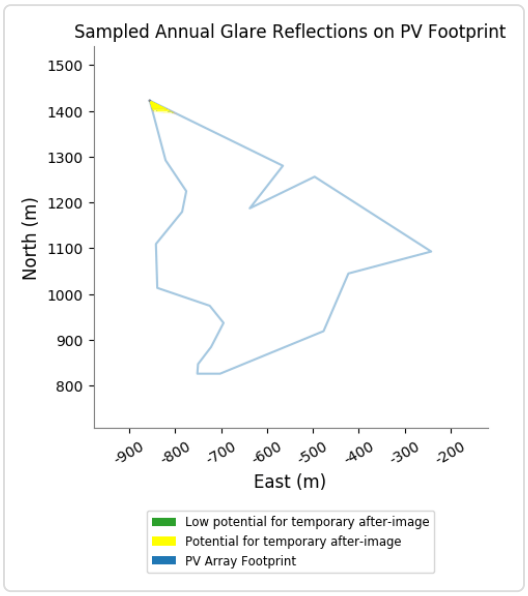
North Array - OP Receptor (OP 6)

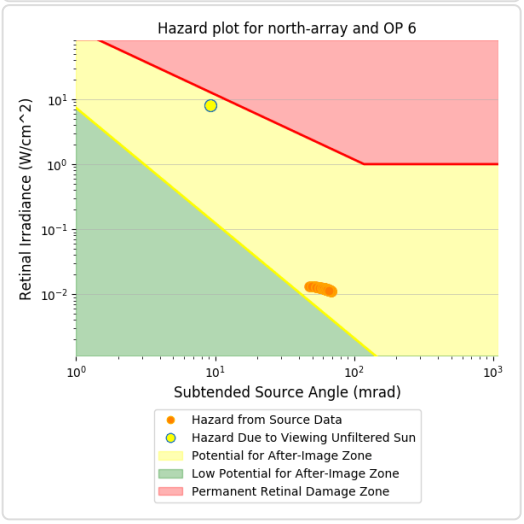
PV array is expected to produce the following glare for receptors at this location:

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





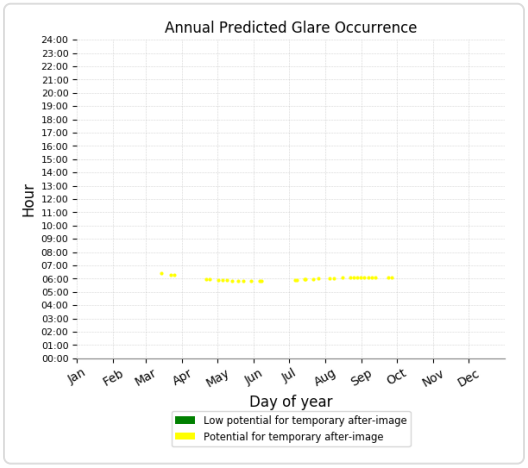


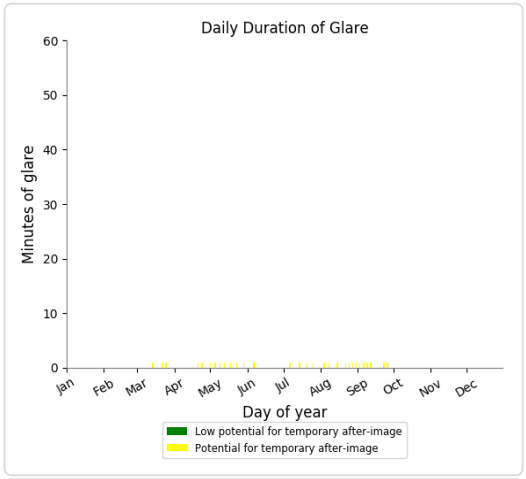


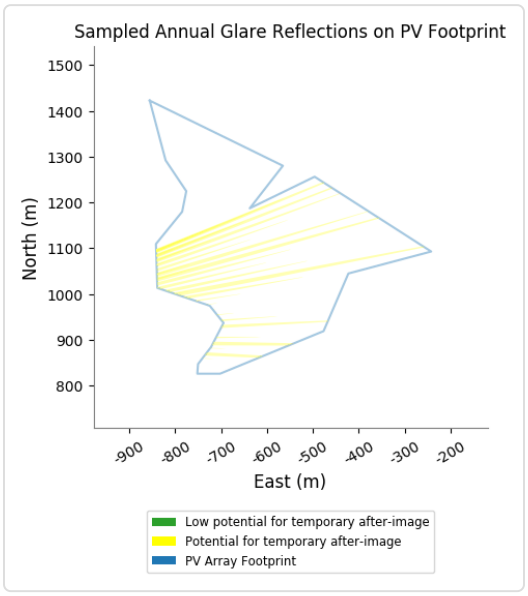
North Array - OP Receptor (OP 7)

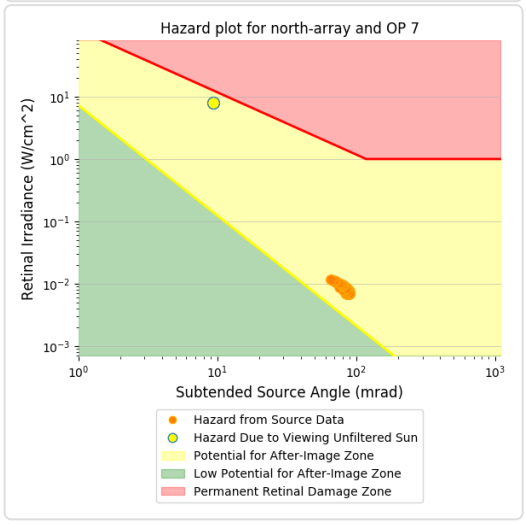
PV array is expected to produce the following glare for receptors at this location:

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









North Array - OP Receptor (OP 8)

No glare found

North Array - OP Receptor (OP 9)

No glare found

North Array - OP Receptor (OP 10)

No glare found

North Array - OP Receptor (OP 11)

No glare found

North Array - OP Receptor (OP 12)

No glare found

North Array - OP Receptor (OP 13)

No glare found

North Array - OP Receptor (OP 14)

No glare found

North Array - OP Receptor (OP 15)

No glare found

North Array - OP Receptor (OP 16)

No glare found

North Array - OP Receptor (OP 17)

No glare found

North Array - OP Receptor (OP 18)

No glare found

North Array - OP Receptor (OP 19)

No glare found

North Array - OP Receptor (OP 20)

No glare found

North Array - OP Receptor (OP 21)

No glare found

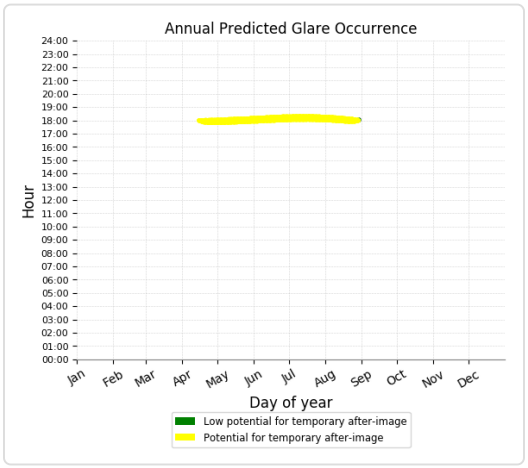
North Array - OP Receptor (OP 22)

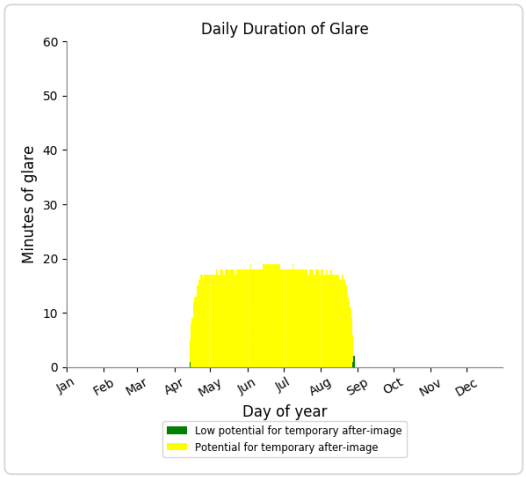
No glare found

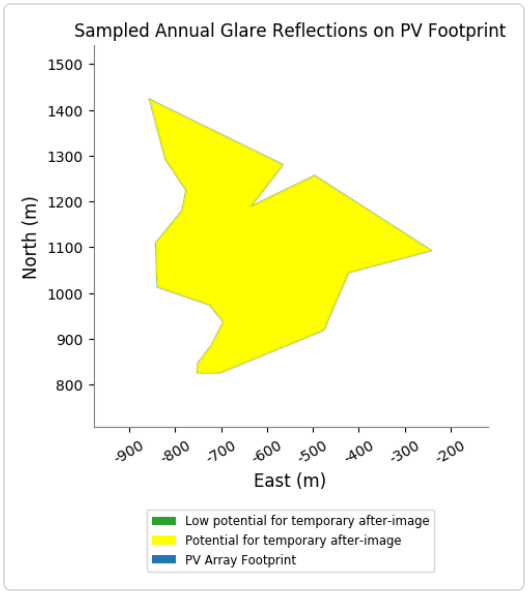
North Array - OP Receptor (OP 23)

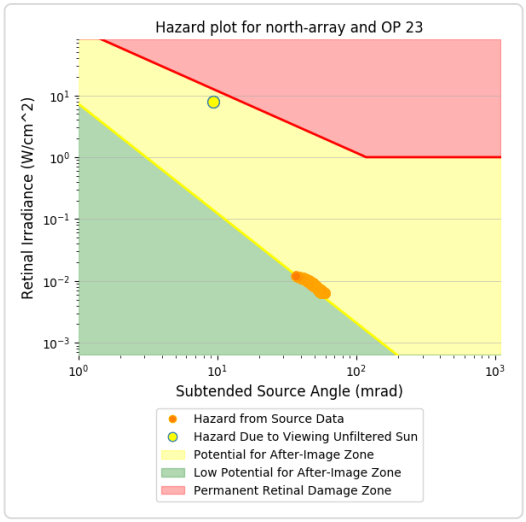
PV array is expected to produce the following glare for receptors at this location:

- 4 minutes of "green" glare with low potential to cause temporary after-image.
- 2,336 minutes of "yellow" glare with potential to cause temporary after-image.





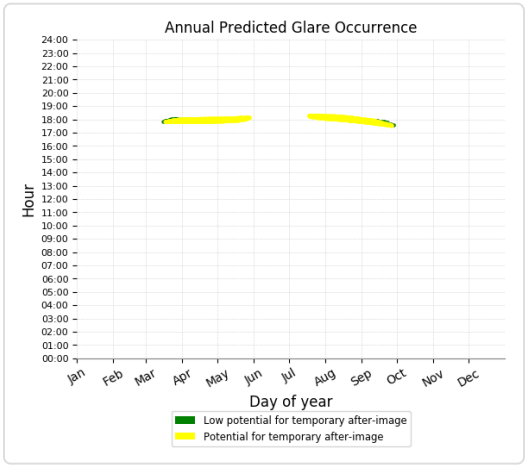


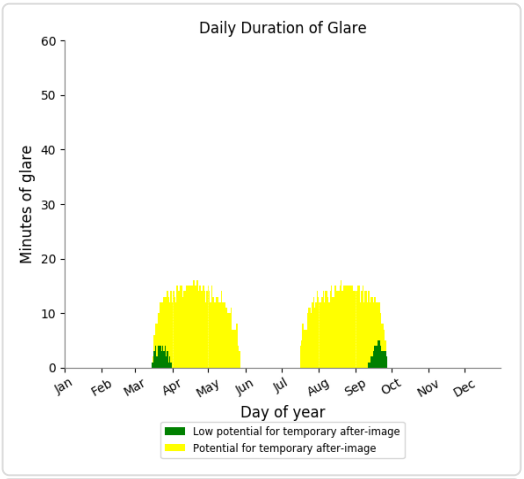


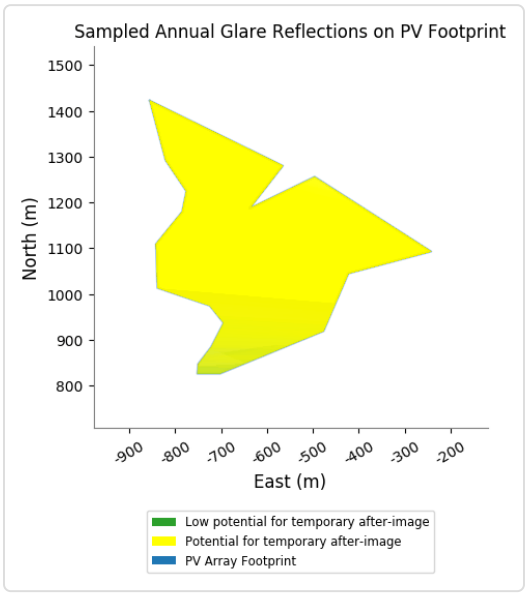
North Array - OP Receptor (OP 24)

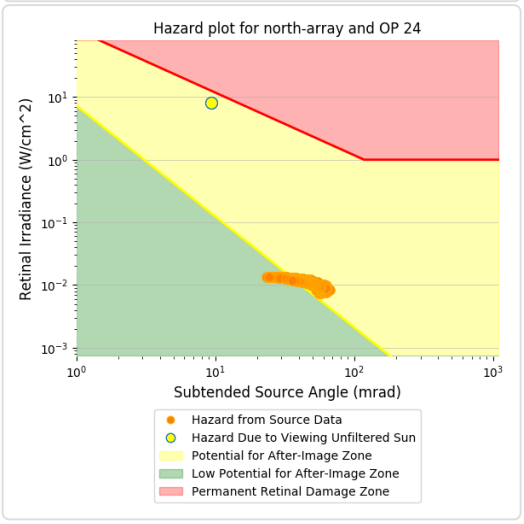
PV array is expected to produce the following glare for receptors at this location:

- 95 minutes of "green" glare with low potential to cause temporary after-image.
- 1,687 minutes of "yellow" glare with potential to cause temporary after-image.





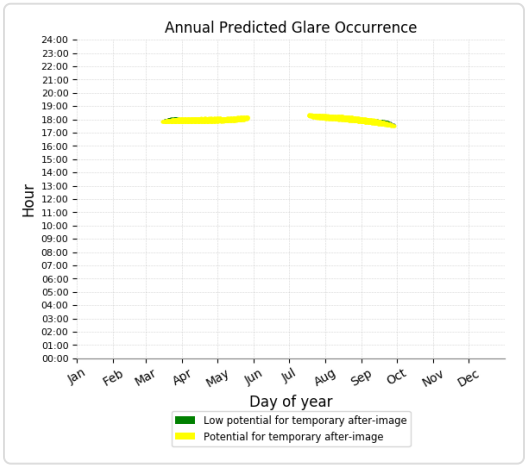


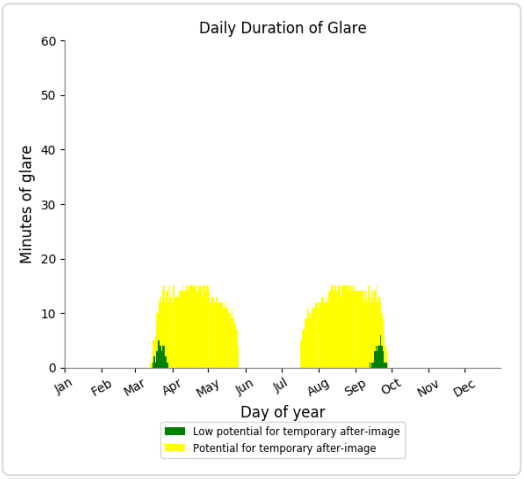


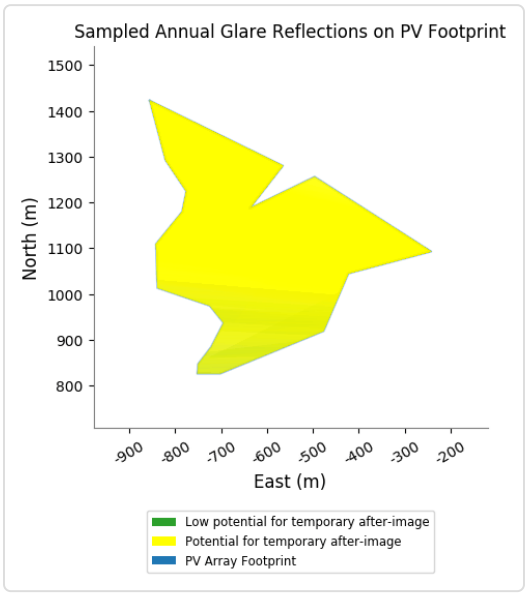
North Array - OP Receptor (OP 25)

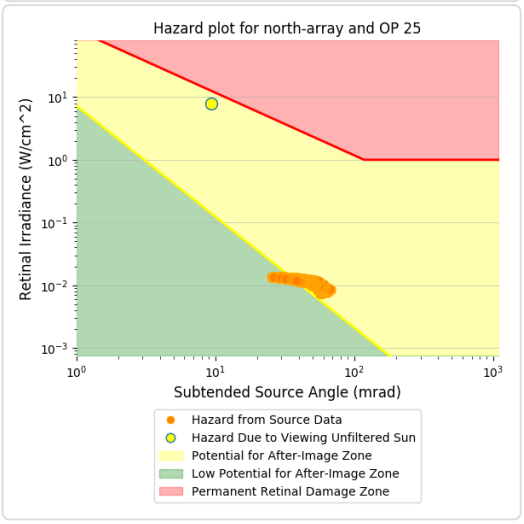
PV array is expected to produce the following glare for receptors at this location:

- 74 minutes of "green" glare with low potential to cause temporary after-image.
- 1,722 minutes of "yellow" glare with potential to cause temporary after-image.





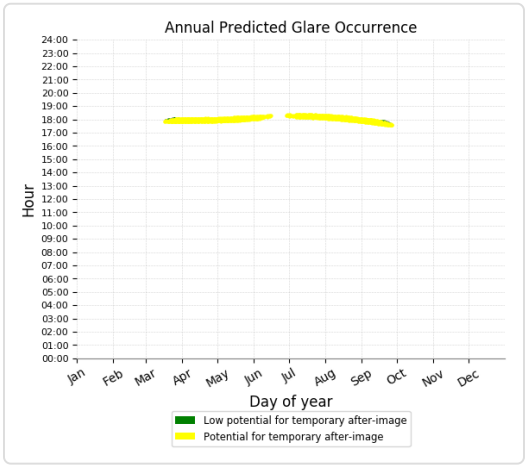


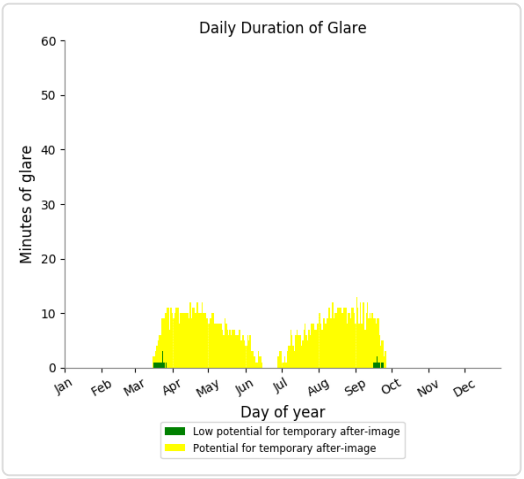


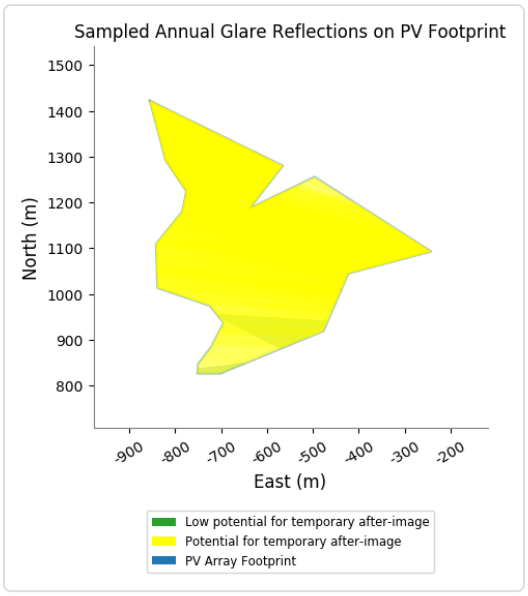
North Array - OP Receptor (OP 26)

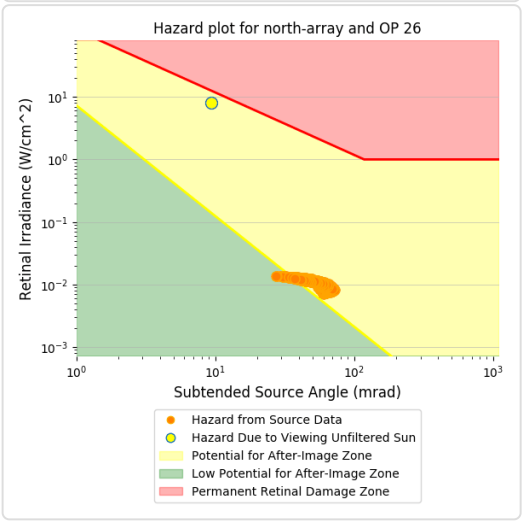
PV array is expected to produce the following glare for receptors at this location:

- 21 minutes of "green" glare with low potential to cause temporary after-image.
- 1,362 minutes of "yellow" glare with potential to cause temporary after-image.





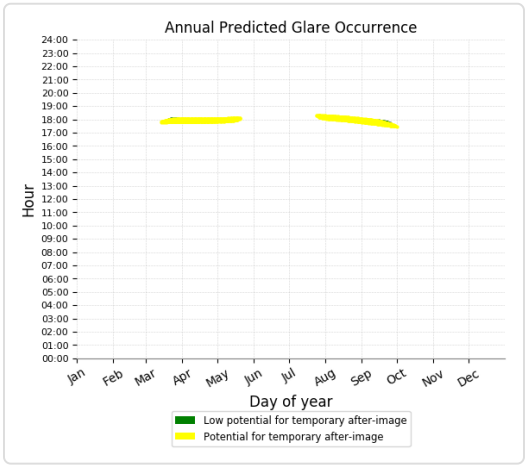


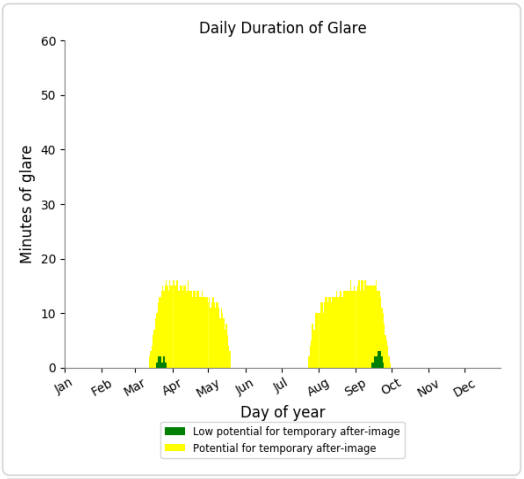


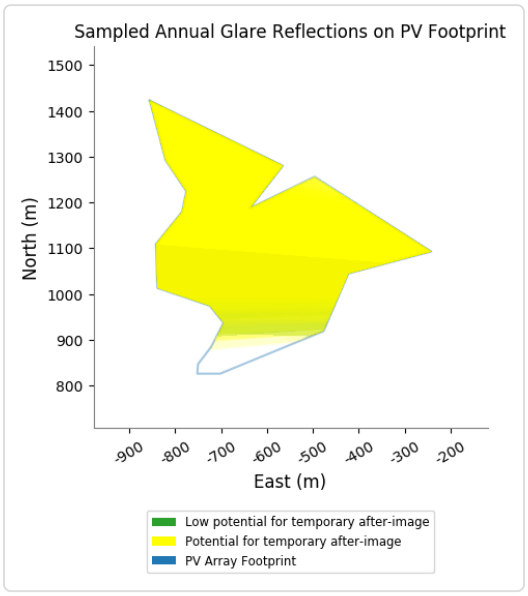
North Array - OP Receptor (OP 27)

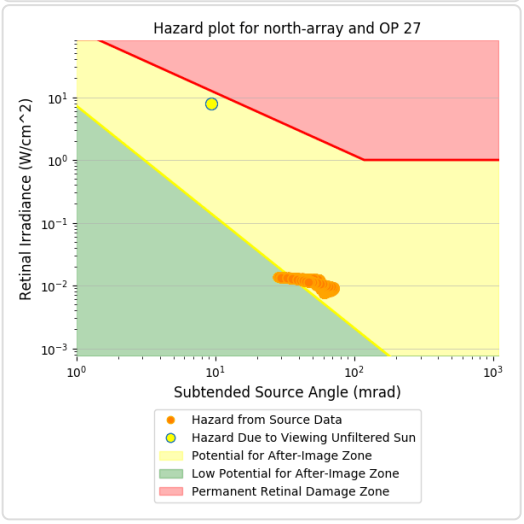
PV array is expected to produce the following glare for receptors at this location:

- 33 minutes of "green" glare with low potential to cause temporary after-image.
- 1,622 minutes of "yellow" glare with potential to cause temporary after-image.





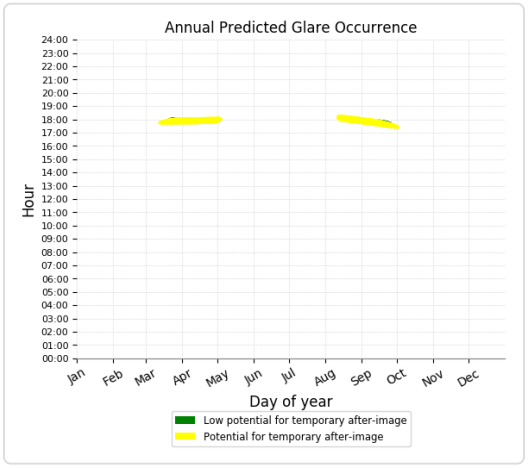


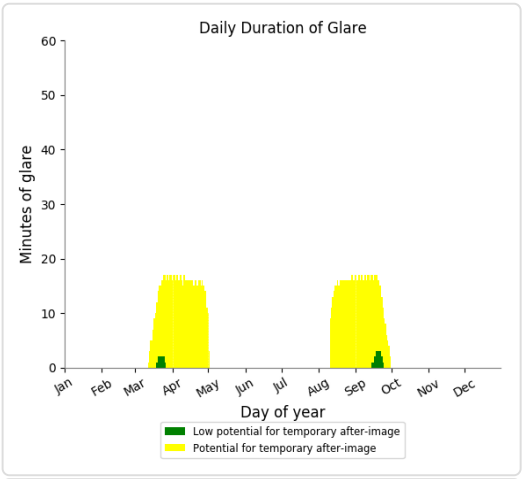


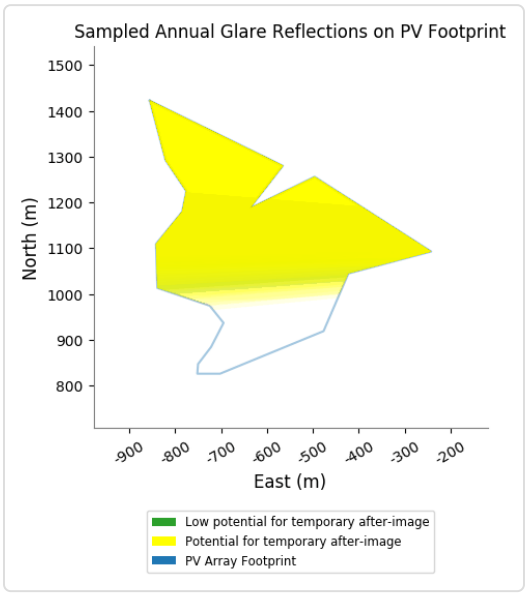
North Array - OP Receptor (OP 28)

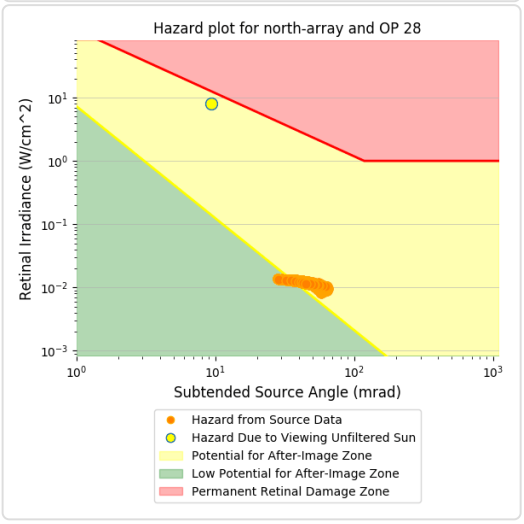
PV array is expected to produce the following glare for receptors at this location:

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





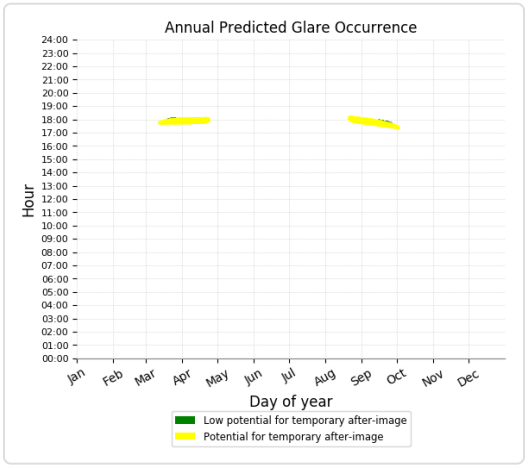


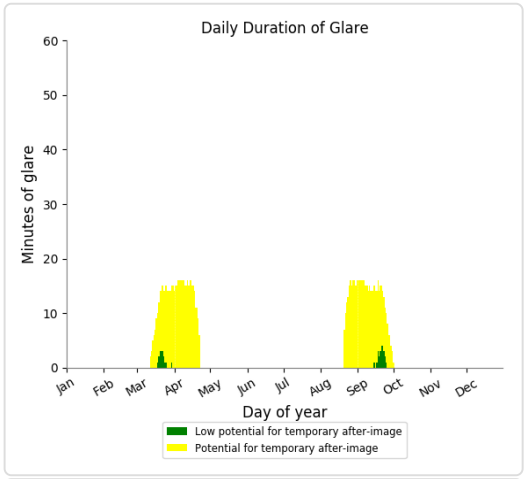


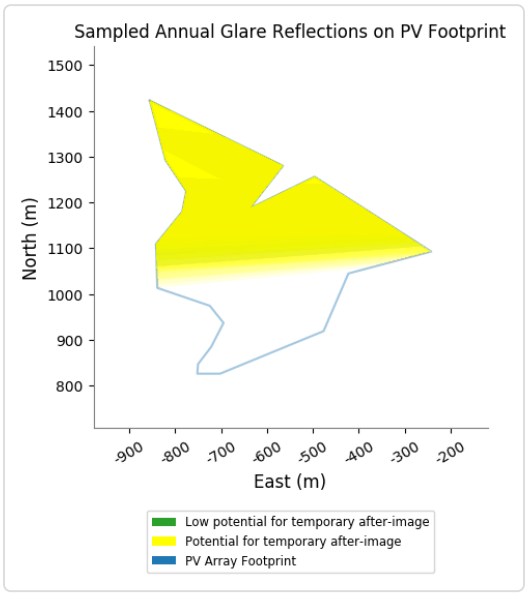
North Array - OP Receptor (OP 29)

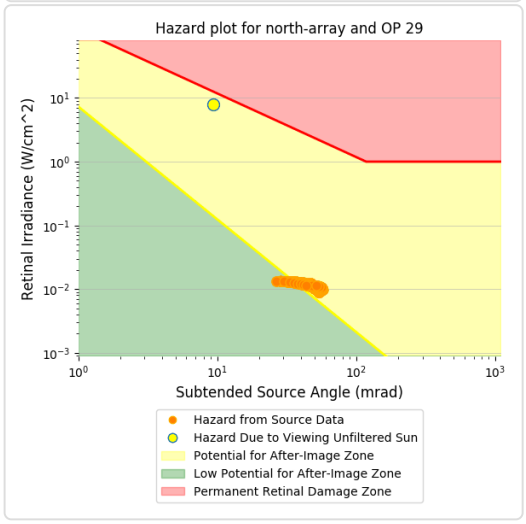
PV array is expected to produce the following glare for receptors at this location:

- 41 minutes of "green" glare with low potential to cause temporary after-image.
- 1,040 minutes of "yellow" glare with potential to cause temporary after-image.





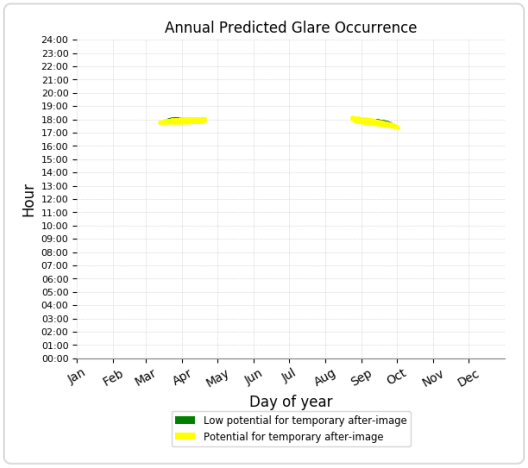


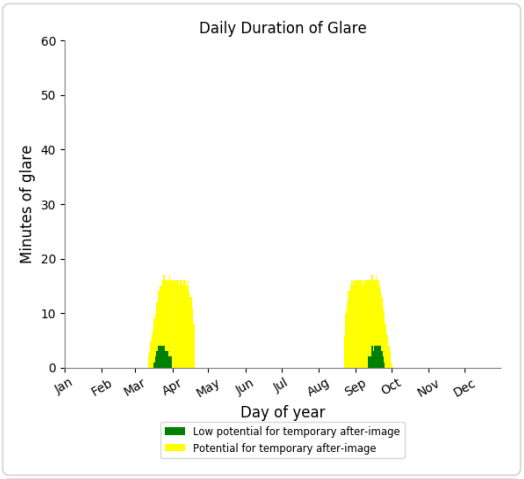


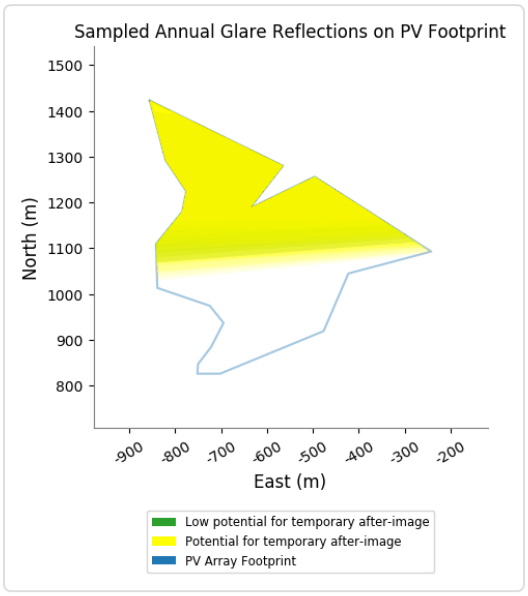
North Array - OP Receptor (OP 30)

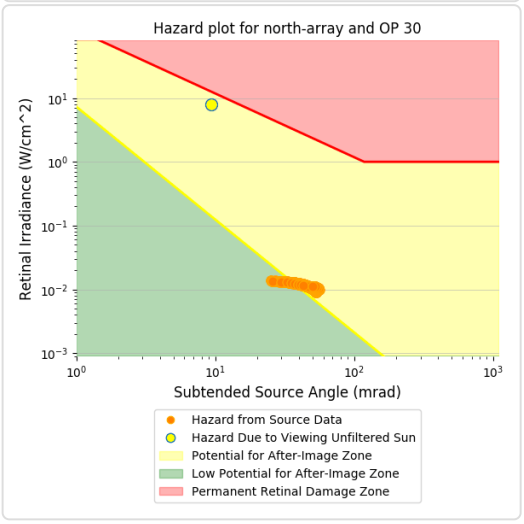
PV array is expected to produce the following glare for receptors at this location:

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





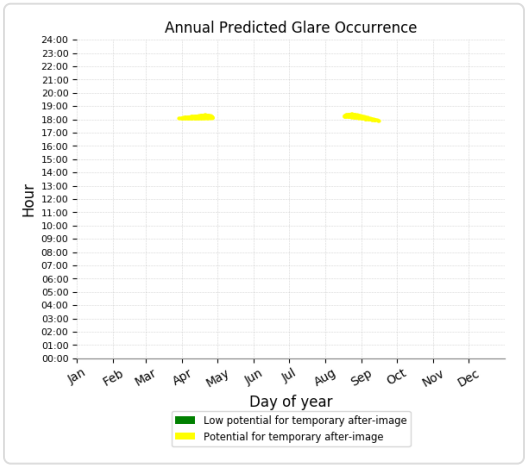


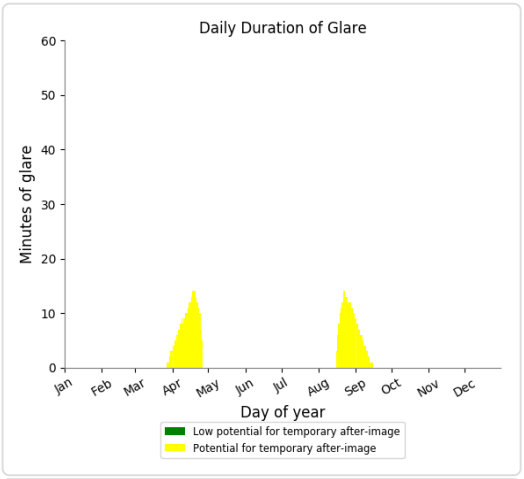


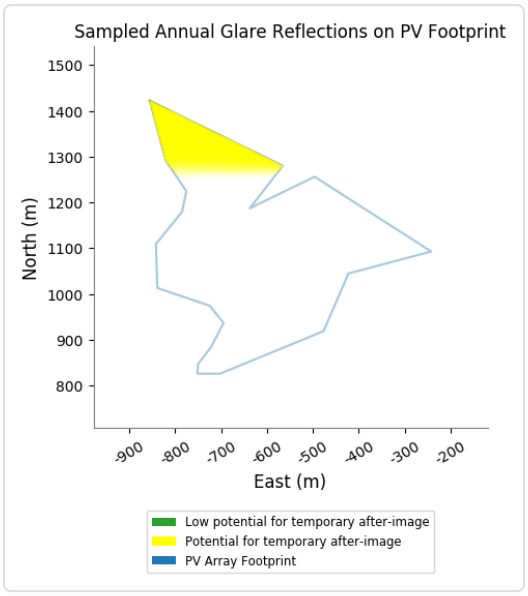
North Array - OP Receptor (OP 31)

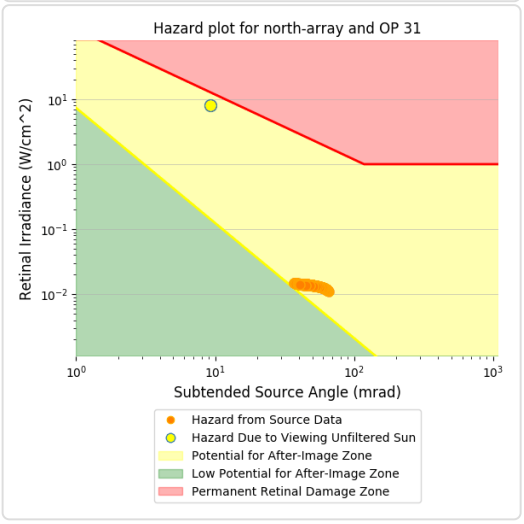
PV array is expected to produce the following glare for receptors at this location:

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





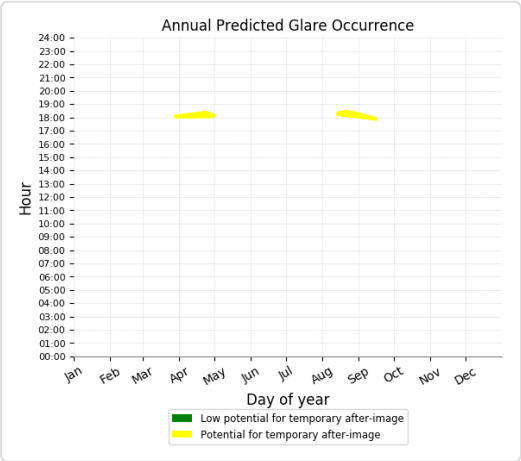


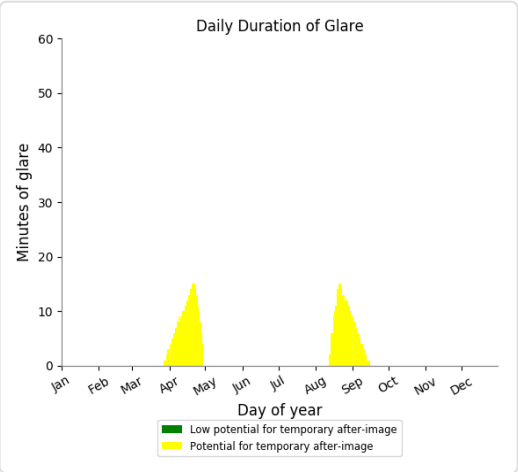


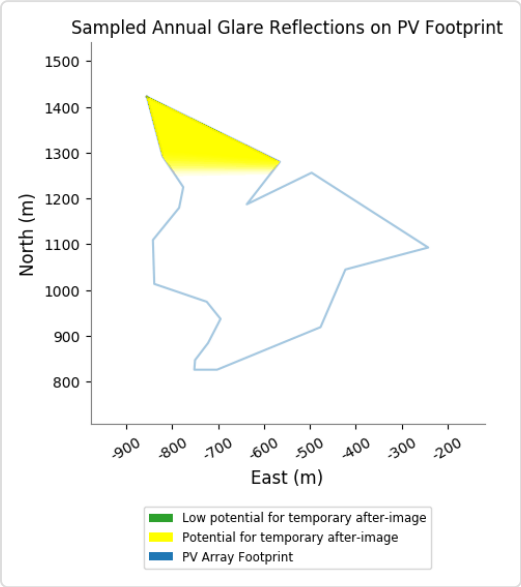
North Array - OP Receptor (OP 32)

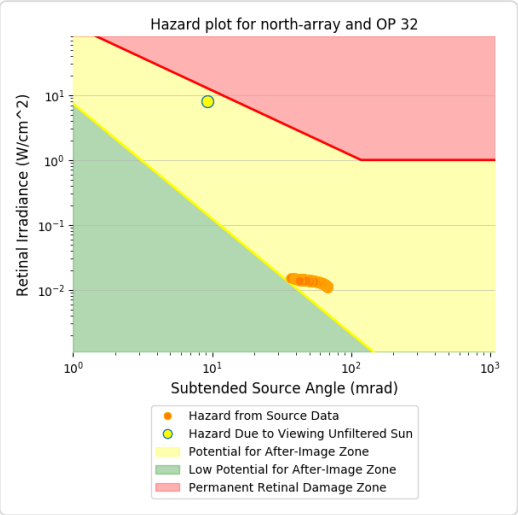
PV array is expected to produce the following glare for receptors at this location:

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









North Array - OP Receptor (OP 33)

No glare found

North Array - OP Receptor (OP 34)

No glare found

North Array - OP Receptor (OP 35)

No glare found

North Array - OP Receptor (OP 36)

No glare found

South Array potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0

OP: OP 7	0	0
OP: OP 8	0	3013
OP: OP 9	0	2921
OP: OP 10	0	2932
OP: OP 11	0	2941
OP: OP 12	0	2906
OP: OP 13	0	2914
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	2971
OP: OP 20	0	1964
OP: OP 21	0	2477
OP: OP 22	0	2281
OP: OP 23	48	943
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0

South Array - OP Receptor (OP 1)

No glare found

South Array - OP Receptor (OP 2)

No glare found

South Array - OP Receptor (OP 3)

No glare found

South Array - OP Receptor (OP 4)

No glare found

South Array - OP Receptor (OP 5)

No glare found

South Array - OP Receptor (OP 6)

No glare found

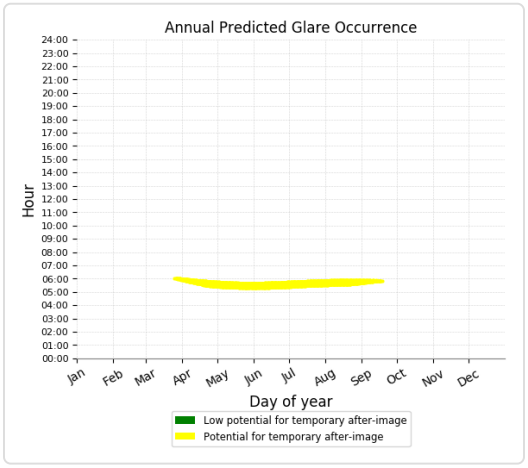
South Array - OP Receptor (OP 7)

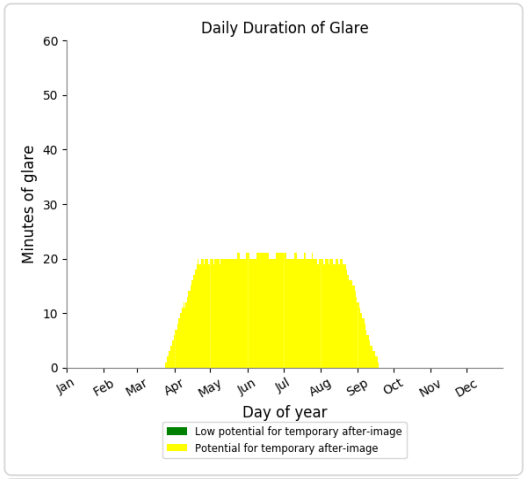
No glare found

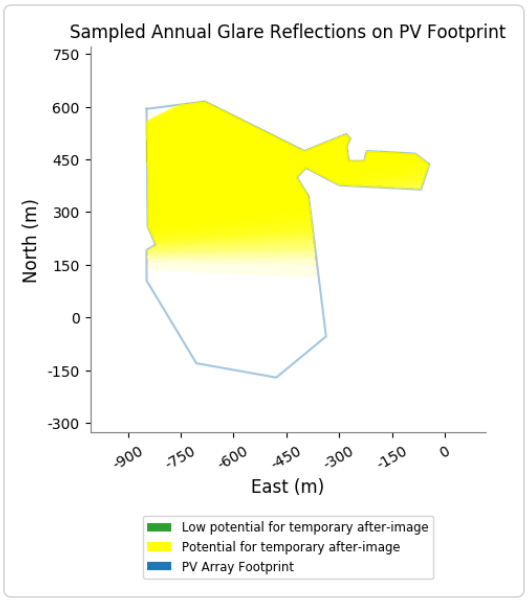
South Array - OP Receptor (OP 8)

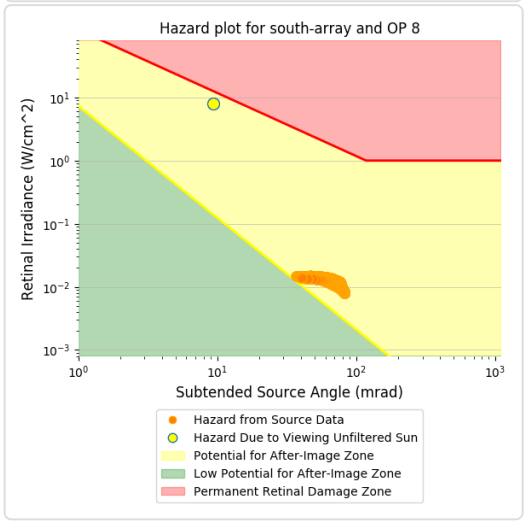
PV array is expected to produce the following glare for receptors at this location:

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





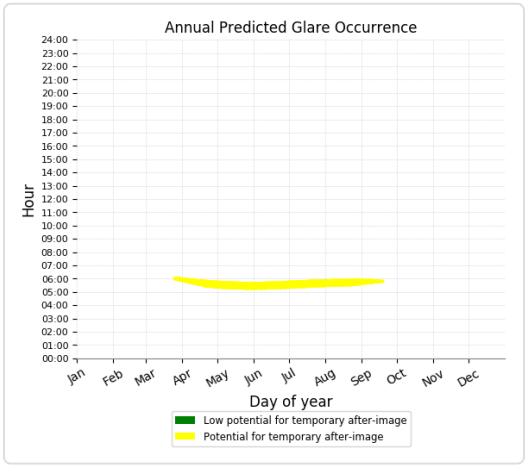


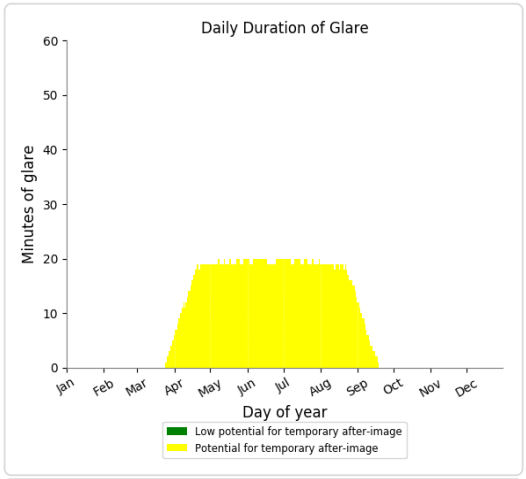


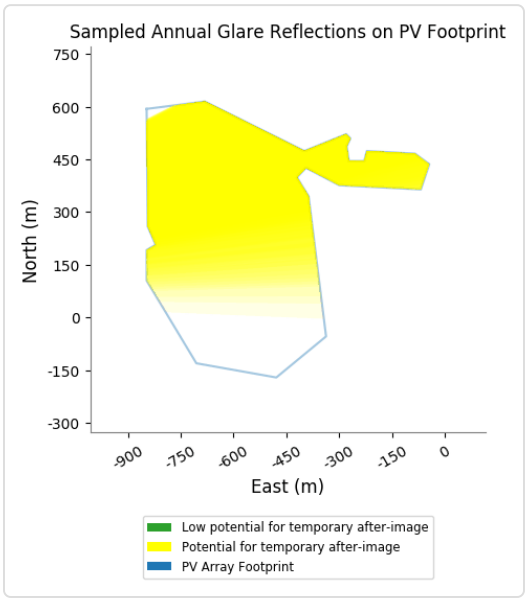
South Array - OP Receptor (OP 9)

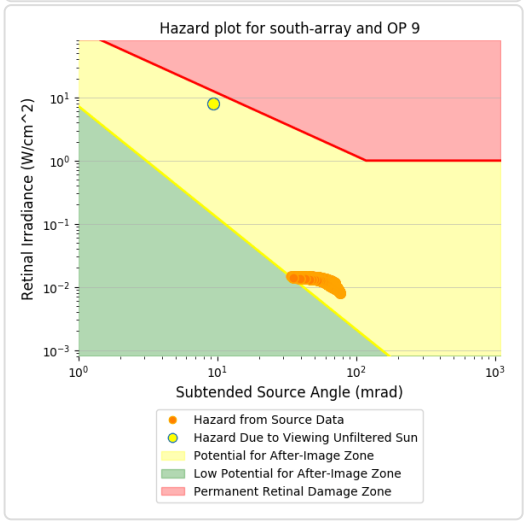
PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,921 minutes of "yellow" glare with potential to cause temporary after-image.





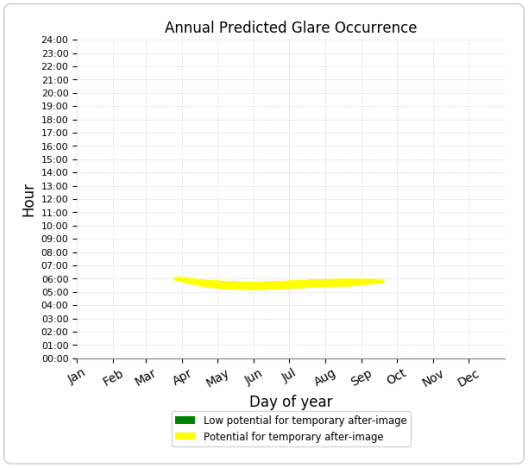


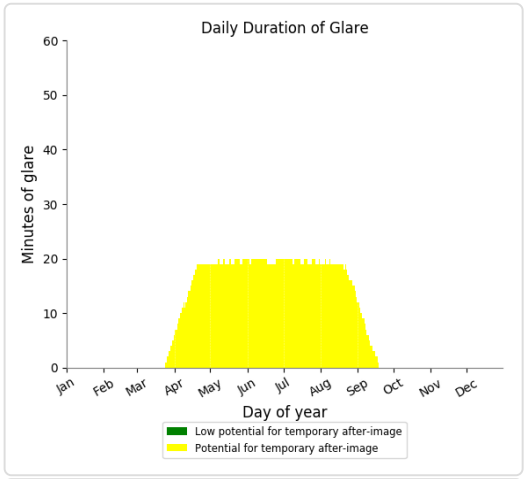


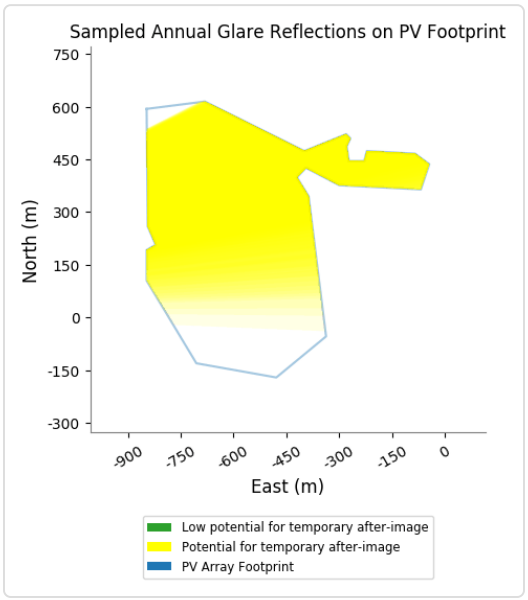
South Array - OP Receptor (OP 10)

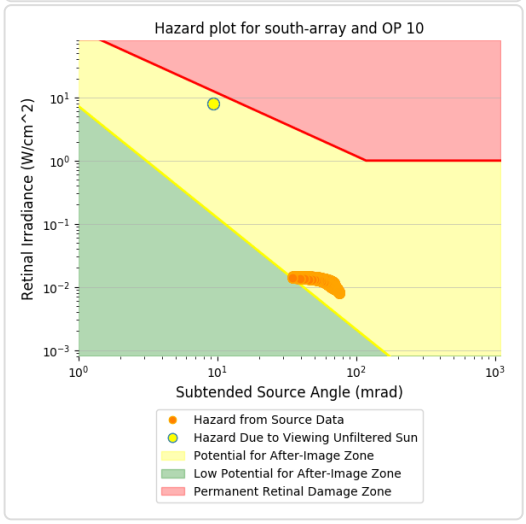
PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,932 minutes of "yellow" glare with potential to cause temporary after-image.





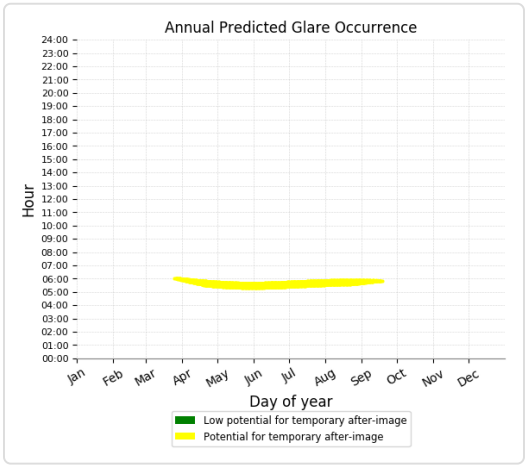


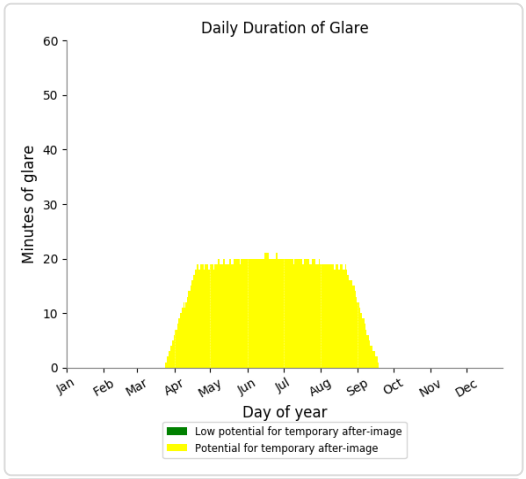


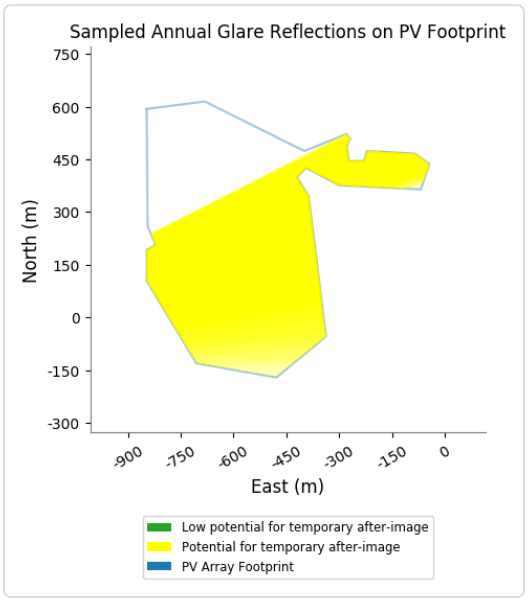
South Array - OP Receptor (OP 11)

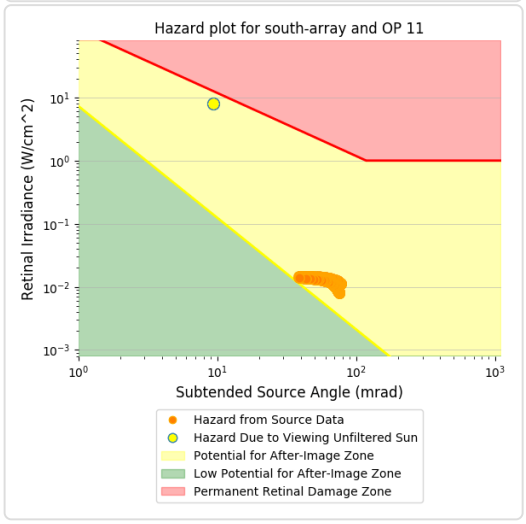
PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,941 minutes of "yellow" glare with potential to cause temporary after-image.





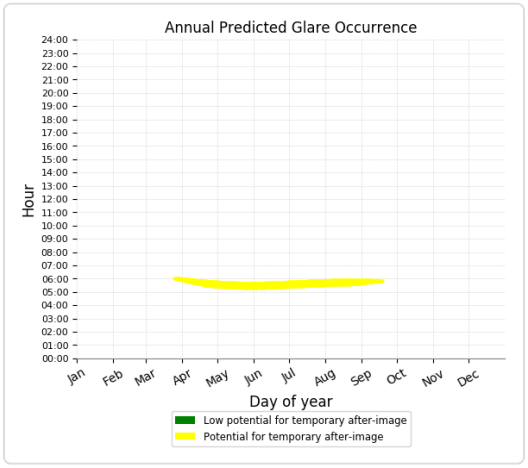


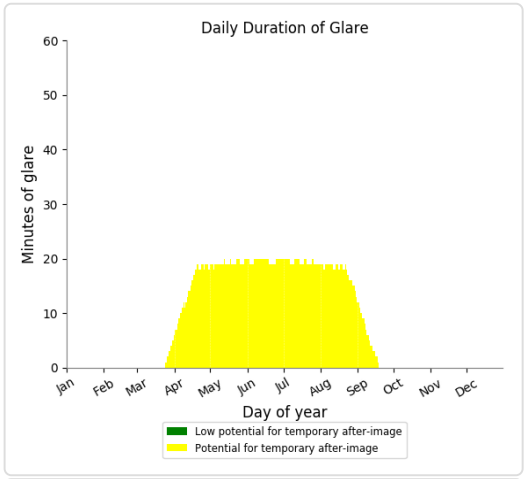


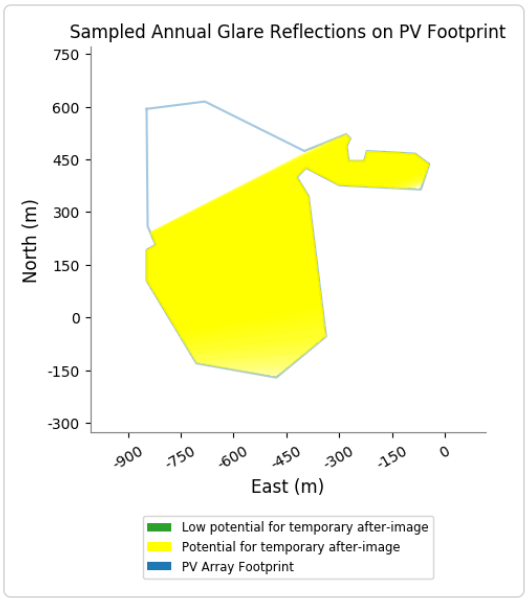
South Array - OP Receptor (OP 12)

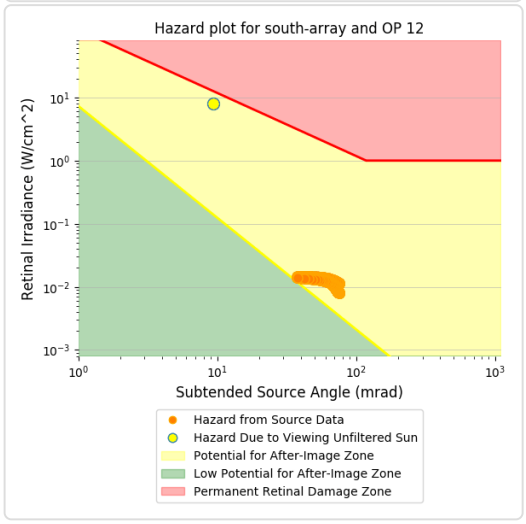
PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,906 minutes of "yellow" glare with potential to cause temporary after-image.





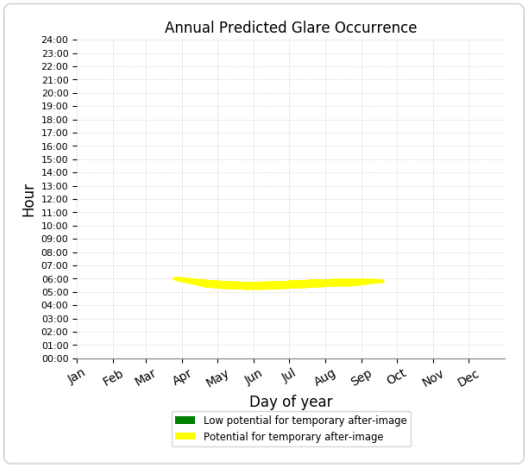


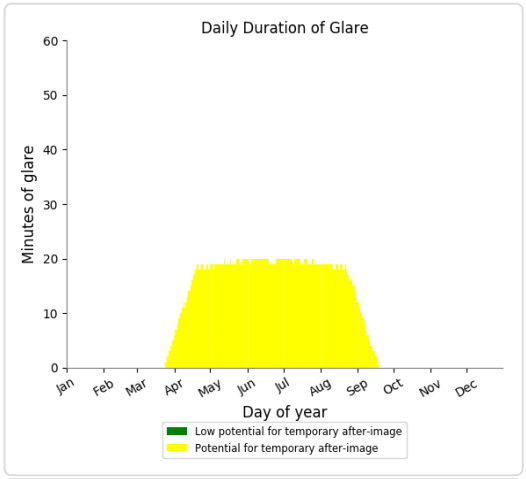


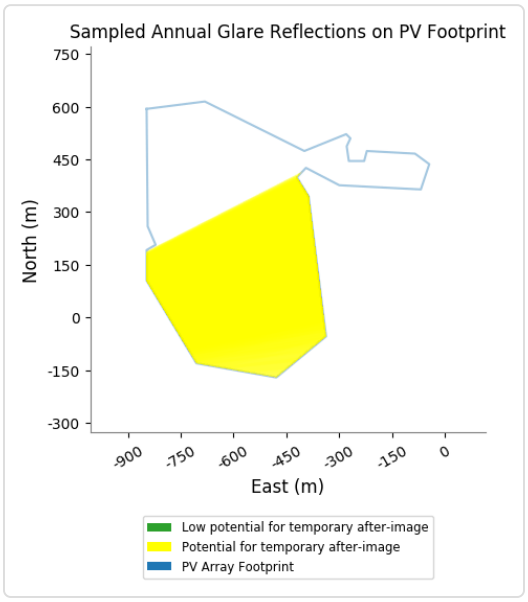
South Array - OP Receptor (OP 13)

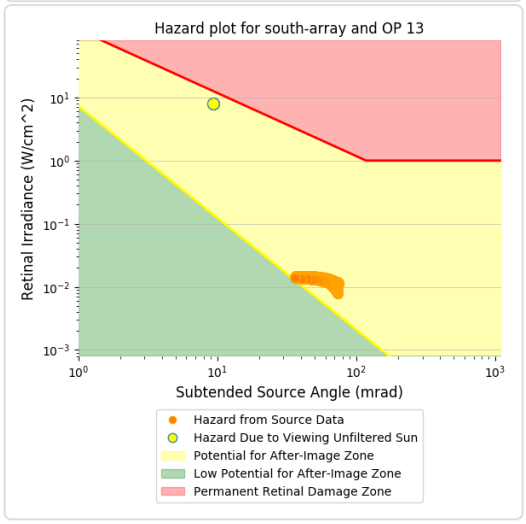
PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,914 minutes of "yellow" glare with potential to cause temporary after-image.









South Array - OP Receptor (OP 14)

No glare found

South Array - OP Receptor (OP 15)

No glare found

South Array - OP Receptor (OP 16)

No glare found

South Array - OP Receptor (OP 17)

No glare found

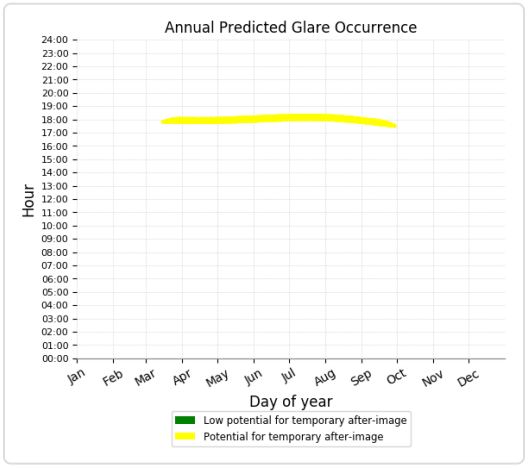
South Array - OP Receptor (OP 18)

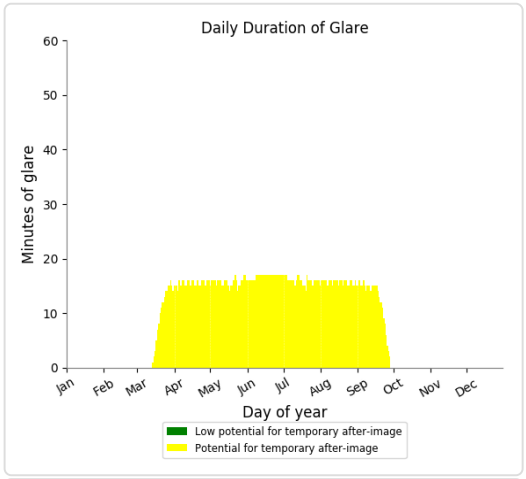
No glare found

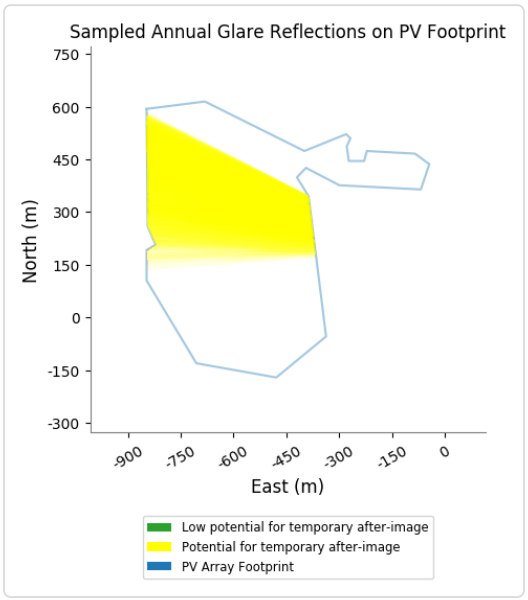
South Array - OP Receptor (OP 19)

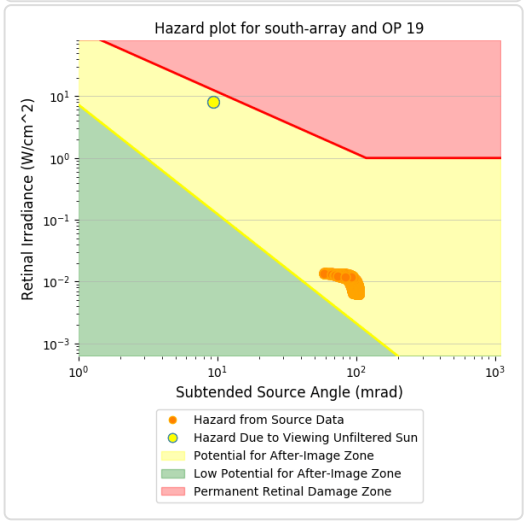
PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,971 minutes of "yellow" glare with potential to cause temporary after-image.





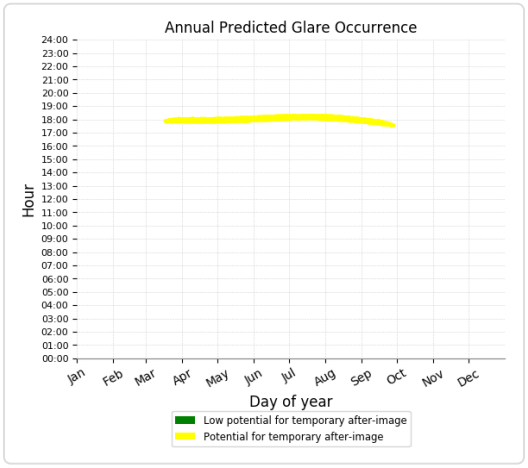


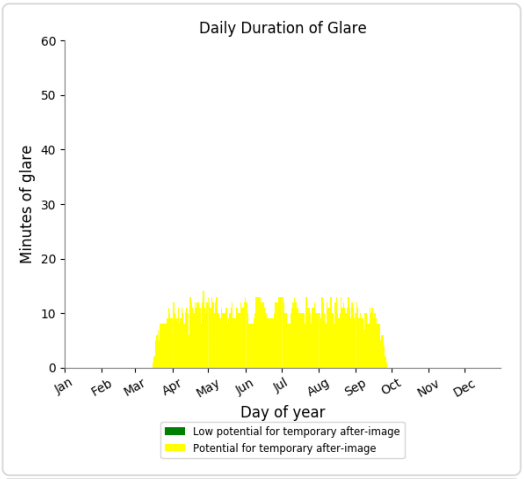


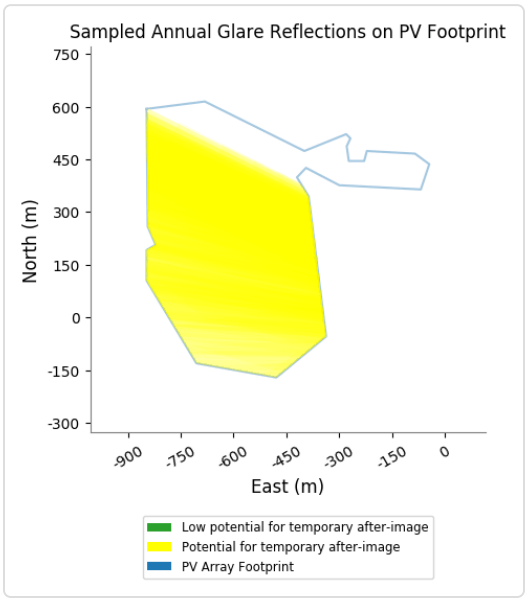
South Array - OP Receptor (OP 20)

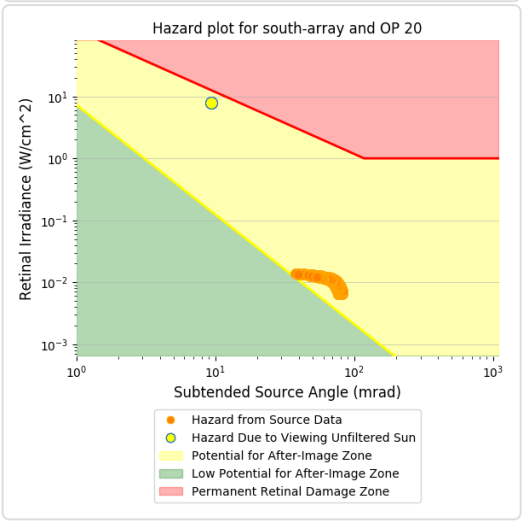
PV array is expected to produce the following glare for receptors at this location:

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





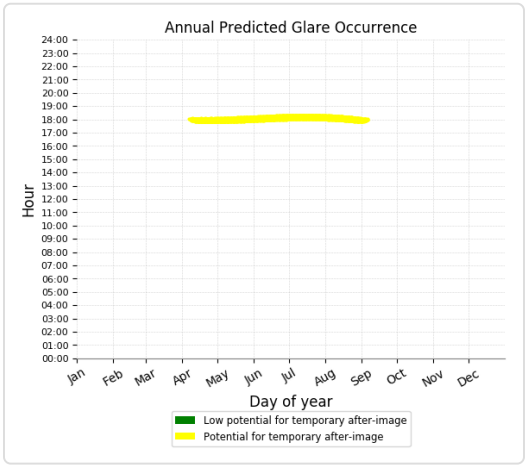


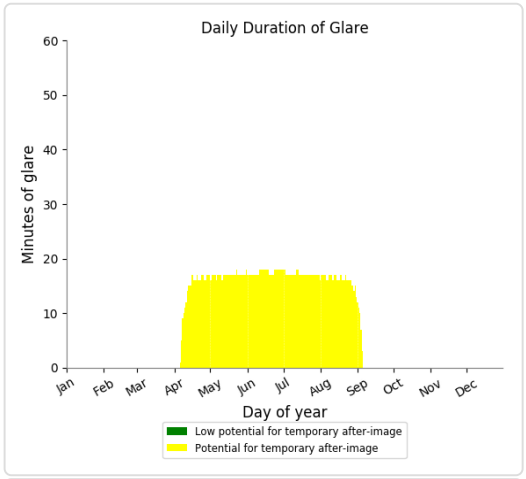


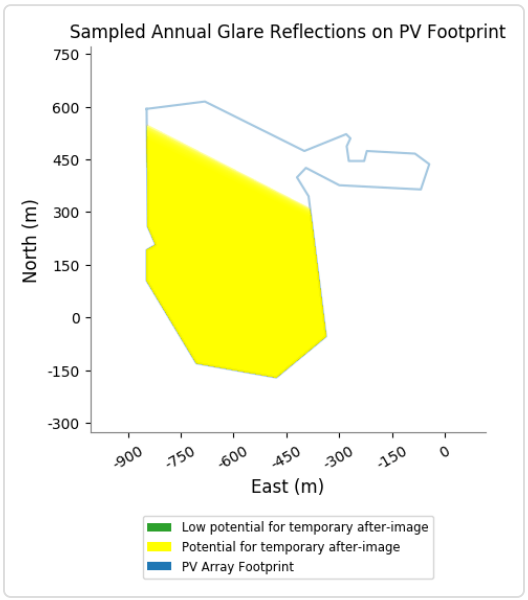
South Array - OP Receptor (OP 21)

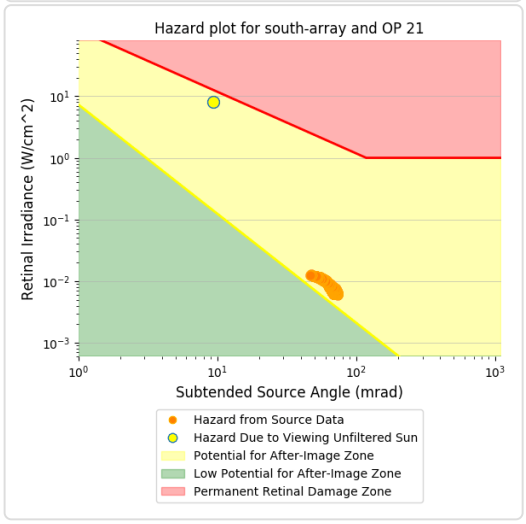
PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,477 minutes of "yellow" glare with potential to cause temporary after-image.





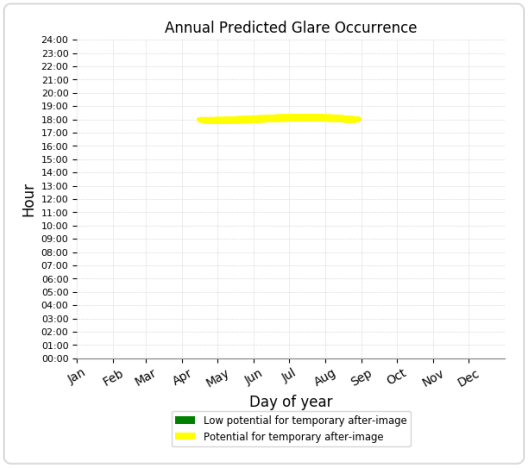


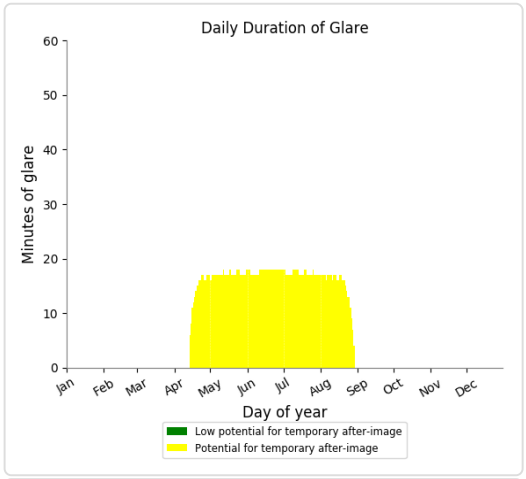


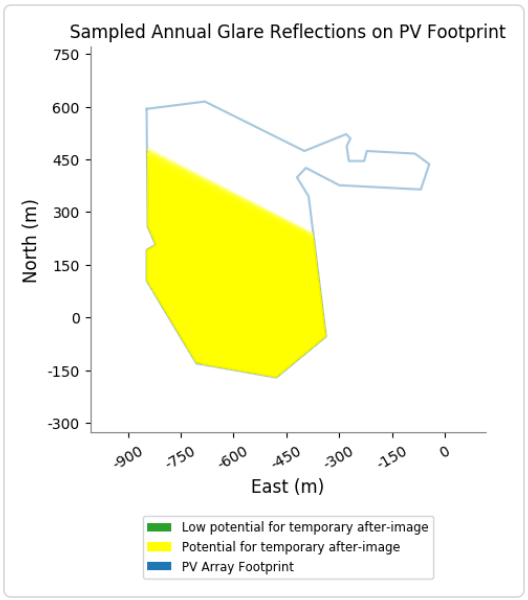
South Array - OP Receptor (OP 22)

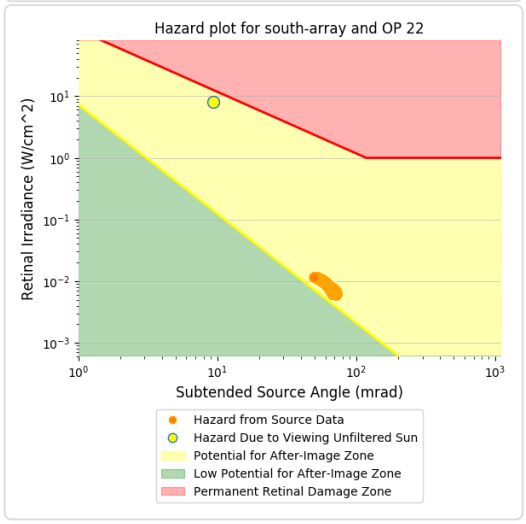
PV array is expected to produce the following glare for receptors at this location:

- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,281 minutes of "yellow" glare with potential to cause temporary after-image.





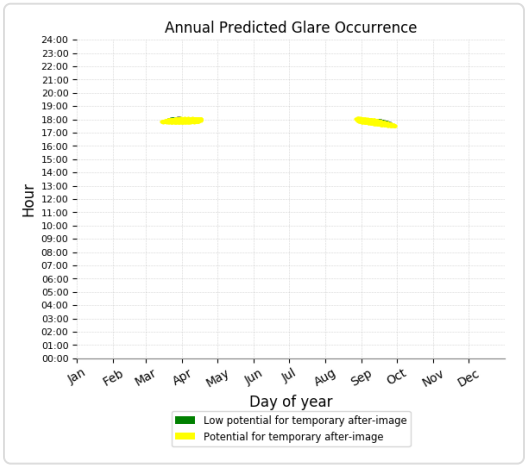


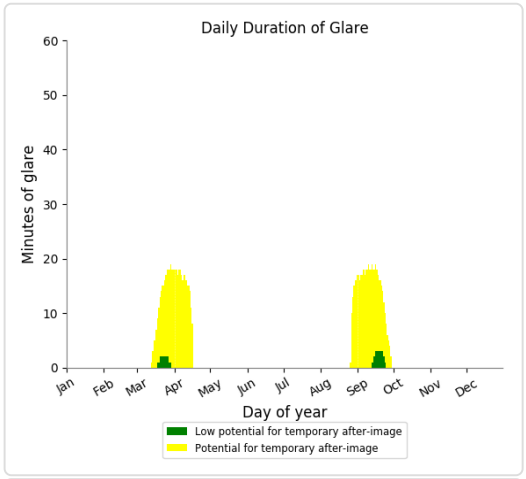


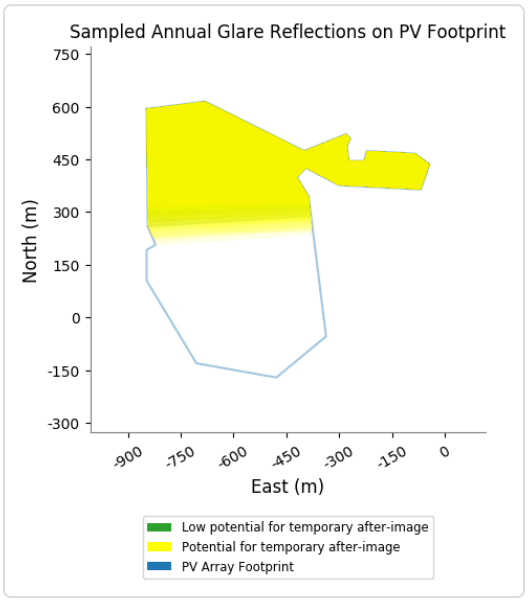
South Array - OP Receptor (OP 23)

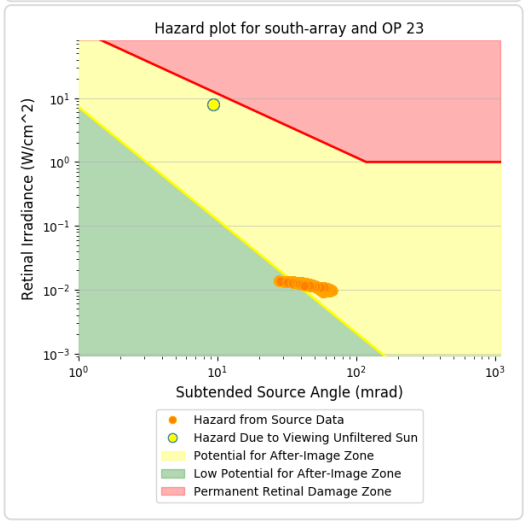
PV array is expected to produce the following glare for receptors at this location:

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









South Array - OP Receptor (OP 24)

No glare found

South Array - OP Receptor (OP 25)

No glare found

South Array - OP Receptor (OP 26)

No glare found

South Array - OP Receptor (OP 27)

No glare found

South Array - OP Receptor (OP 28)

No glare found

South Array - OP Receptor (OP 29)

No glare found

South Array - OP Receptor (OP 30)

No glare found

South Array - OP Receptor (OP 31)

No glare found

South Array - OP Receptor (OP 32)

No glare found

South Array - OP Receptor (OP 33)

No glare found

South Array - OP Receptor (OP 34)

No glare found

South Array - OP Receptor (OP 35)

No glare found

South Array - OP Receptor (OP 36)

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 V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results fo large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.