

East Stour Solar Farm

East Stour Solar Farm Road Receptors

Created Feb. 11, 2022

Updated Feb. 11, 2022

Time-step 1 minute

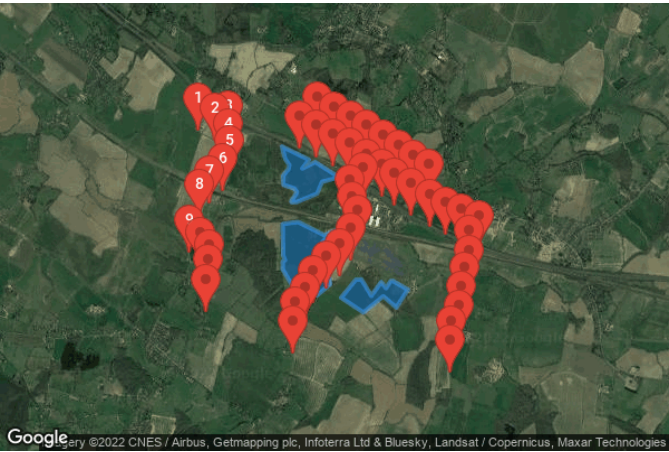
Timezone offset UTC0

Site ID 64771.11471

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	819	17,193	-
North Array	20.0	180.0	170	50,403	-
South Array	20.0	180.0	232	54,978	-

Component Data

Name: South Array
Footprint area: 345,635 m^2
Axis tracking: Fixed (no rotation)
Tilt: 20.0 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



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	51.105160	0.961160	50.98	3.00	53.98
2	51.102160	0.961200	64.02	3.00	67.02
3	51.101690	0.961520	65.71	3.00	68.71
4	51.101550	0.961160	63.97	3.00	66.97
5	51.100770	0.961160	64.17	3.00	67.17
6	51.098650	0.963180	60.40	3.00	63.40
7	51.098290	0.966420	67.36	3.00	70.36
8	51.099340	0.968430	67.83	3.00	70.83
9	51.102930	0.967720	57.50	3.00	60.50
10	51.103410	0.967250	54.53	3.00	57.53
11	51.103650	0.967620	51.96	3.00	54.96
12	51.103210	0.968970	54.01	3.00	57.01
13	51.103100	0.972270	52.86	3.00	55.86
14	51.103750	0.972620	51.80	3.00	54.80
15	51.104020	0.972040	50.90	3.00	53.90
16	51.104080	0.970080	51.65	3.00	54.65
17	51.103830	0.969980	51.92	3.00	54.92
18	51.103830	0.969360	51.96	3.00	54.96
19	51.104210	0.969270	51.21	3.00	54.21
20	51.104410	0.969420	50.39	3.00	53.39
21	51.104520	0.969250	49.90	3.00	52.90
22	51.104080	0.967550	50.48	3.00	53.48
23	51.105350	0.963520	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	51.114049	0.948245	73.95	1.50	75.45
OP 2	51.113066	0.950734	74.01	1.50	75.51
OP 3	51.113321	0.952772	74.02	1.50	75.52
OP 4	51.111584	0.952879	69.76	1.50	71.26
OP 5	51.109954	0.952901	69.08	1.50	70.58
OP 6	51.108216	0.951871	58.61	1.50	60.11
OP 7	51.107098	0.949930	58.00	1.50	59.50
OP 8	51.105744	0.948385	48.49	1.50	49.99
OP 9	51.102328	0.946797	46.27	1.50	47.77
OP 10	51.101156	0.948599	46.85	1.50	48.35
OP 11	51.099970	0.949865	49.95	1.50	51.45
OP 12	51.098596	0.949715	54.52	1.50	56.02
OP 13	51.096601	0.949415	59.43	1.50	60.93
OP 14	51.090820	0.986901	90.11	1.50	91.61
OP 15	51.092585	0.987180	87.47	1.50	88.97
OP 16	51.094189	0.988339	83.78	1.50	85.28
OP 17	51.095968	0.988661	77.96	1.50	79.46
OP 18	51.097828	0.989154	62.75	1.50	64.25
OP 19	51.099391	0.989884	55.80	1.50	57.30
OP 20	51.101345	0.989927	60.41	1.50	61.91
OP 21	51.102786	0.991472	62.90	1.50	64.40
OP 22	51.103406	0.988768	61.90	1.50	63.40
OP 23	51.104080	0.986344	61.06	1.50	62.56
OP 24	51.104834	0.983897	60.62	1.50	62.12
OP 25	51.105858	0.980893	59.87	1.50	61.37
OP 26	51.106882	0.978426	58.96	1.50	60.46
OP 27	51.107744	0.976473	55.73	1.50	57.23
OP 28	51.108674	0.974134	57.89	1.50	59.39
OP 29	51.109738	0.971495	58.27	1.50	59.77
OP 30	51.110668	0.968941	58.05	1.50	59.55
OP 31	51.111516	0.966409	59.56	1.50	61.06
OP 32	51.112325	0.963856	61.28	1.50	62.78
OP 33	51.114157	0.966474	65.30	1.50	66.80
OP 34	51.113227	0.969134	62.65	1.50	64.15
OP 35	51.112311	0.971688	57.61	1.50	59.11
OP 36	51.111463	0.974091	54.23	1.50	55.73
OP 37	51.110560	0.976645	54.90	1.50	56.40
OP 38	51.109562	0.979029	61.52	1.50	63.02
OP 39	51.108605	0.981218	62.96	1.50	64.46
OP 40	51.107770	0.983772	60.39	1.50	61.89
OP 41	51.107379	0.973558	51.97	1.50	53.47
OP 42	51.106248	0.971476	52.63	1.50	54.13
OP 43	51.104577	0.971884	51.17	1.50	52.67
OP 44	51.103310	0.972657	53.05	1.50	54.55
OP 45	51.101545	0.971734	55.25	1.50	56.75
OP 46	51.100023	0.970039	57.18	1.50	58.68
OP 47	51.098850	0.967893	71.42	1.50	72.92
OP 48	51.097503	0.965812	59.58	1.50	61.08
OP 49	51.095899	0.964610	53.73	1.50	55.23
OP 50	51.094498	0.963065	51.67	1.50	53.17
OP 51	51.092638	0.962829	56.52	1.50	58.02

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	819	17,193	-	-
North Array	20.0	180.0	170	50,403	-	-
South Array	20.0	180.0	232	54,978	-	-

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	10	14	0	0	0	5	24	0	0	0
east-array (yellow)	0	0	528	1848	1883	1091	1521	2104	1018	34	0	0
north-array (green)	0	0	9	0	0	0	0	0	7	0	0	0
north-array (yellow)	0	0	449	1331	1547	1284	1471	1522	863	1	0	0
south-array (green)	0	0	0	0	0	0	0	0	0	0	0	0
south-array (yellow)	0	36	1334	2845	3727	3770	3817	3362	1879	318	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	0	0
OP: OP 10	3	0
OP: OP 11	128	0
OP: OP 12	331	130
OP: OP 13	261	446
OP: OP 14	0	0
OP: OP 15	0	166
OP: OP 16	0	1356
OP: OP 17	2	2196
OP: OP 18	46	985
OP: OP 19	44	49
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	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	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	0	0
OP: OP 45	0	0
OP: OP 46	0	29
OP: OP 47	0	3857
OP: OP 48	0	1873
OP: OP 49	3	2772
OP: OP 50	1	2314
OP: OP 51	0	1020

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

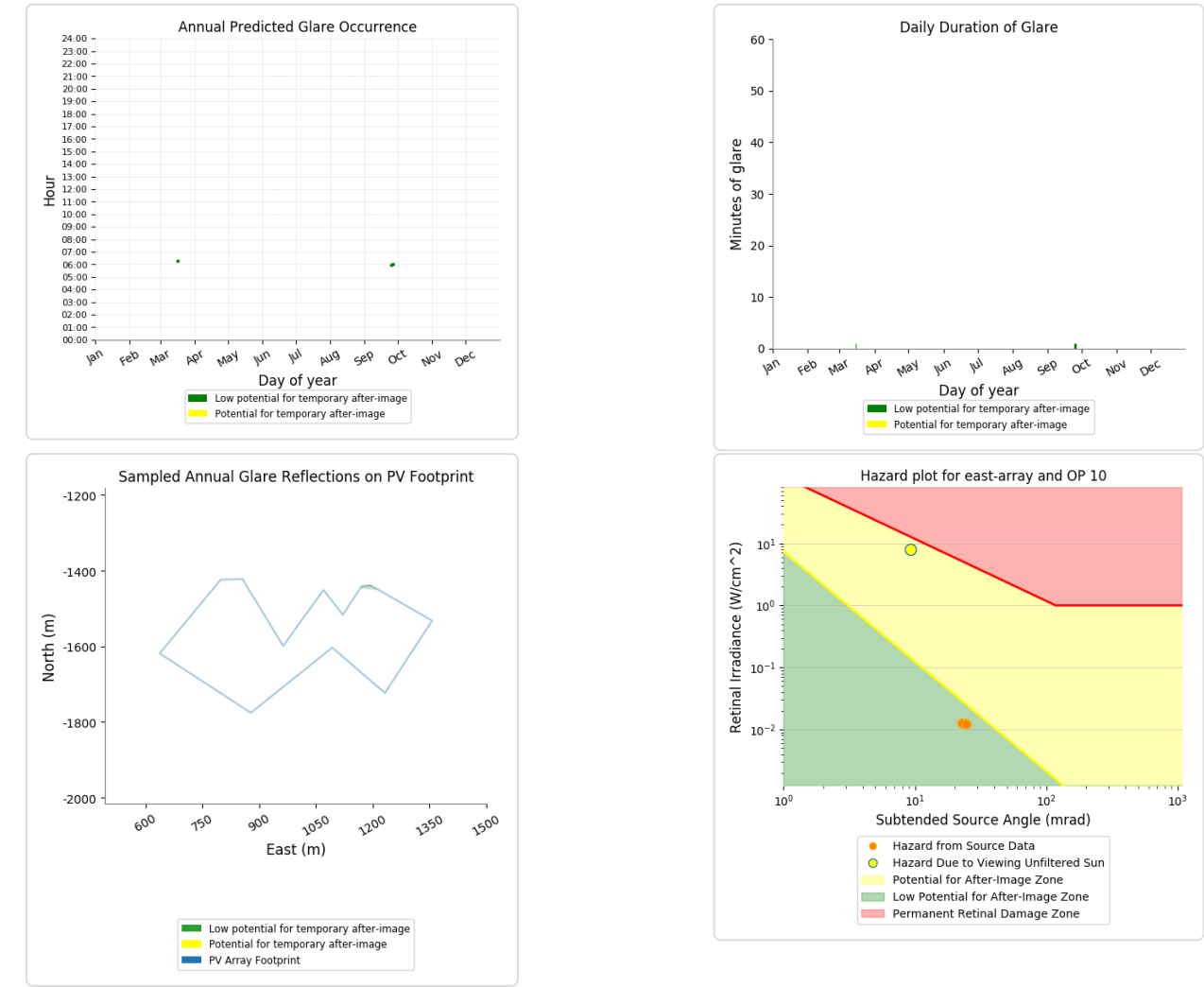
East Array - OP Receptor (OP 8)
No glare found

East Array - OP Receptor (OP 9)
No glare found

East Array - OP Receptor (OP 10)

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

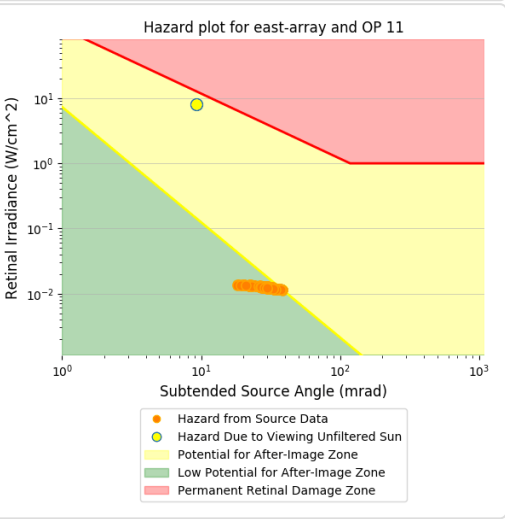
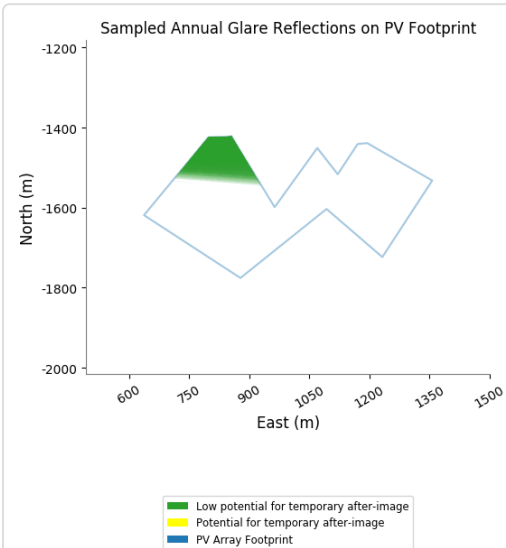
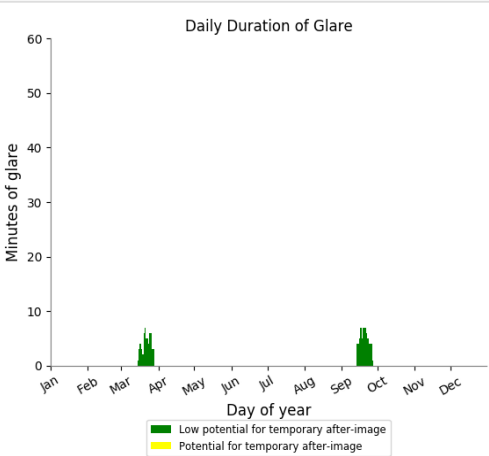
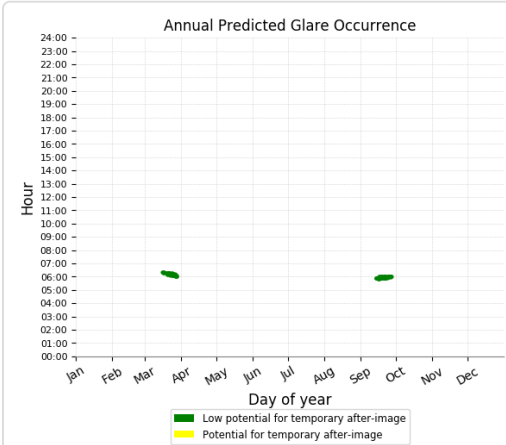
- 3 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



East Array - OP Receptor (OP 11)

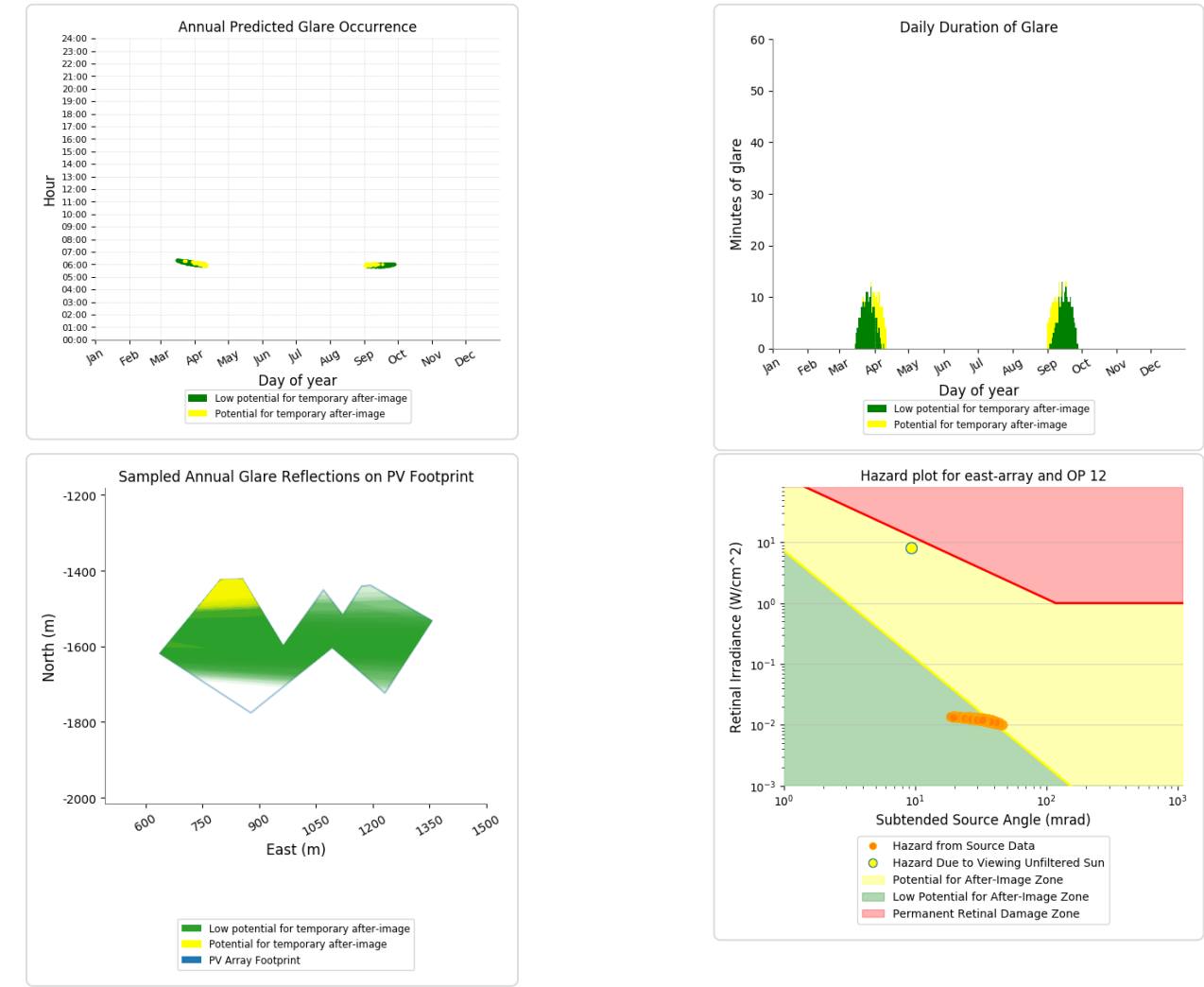
PV array is expected to produce the following glare for receptors at this location:

- 128 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 12)

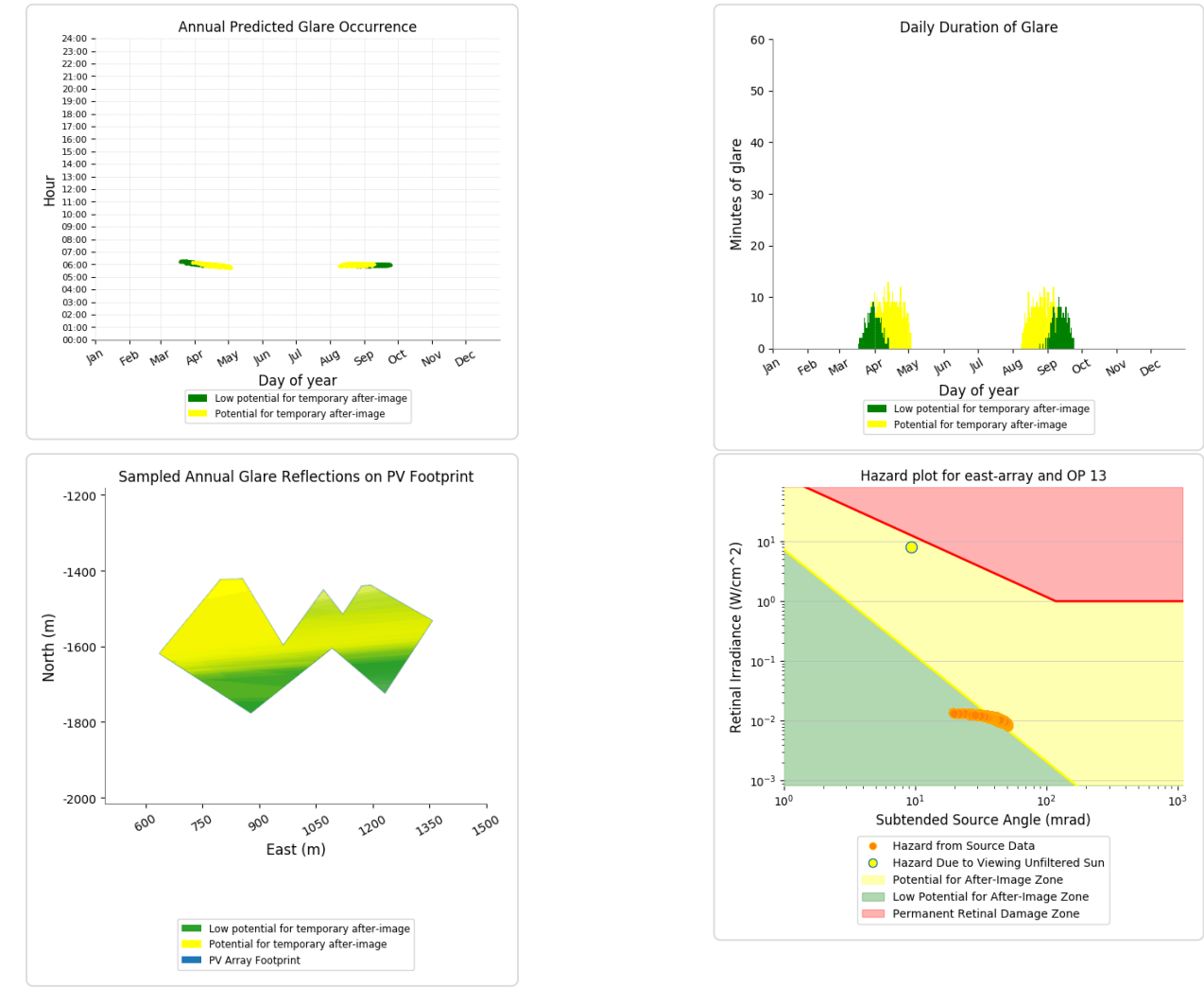
- PV array is expected to produce the following glare for receptors at this location:
- 331 minutes of "green" glare with low potential to cause temporary after-image.
 - 130 minutes of "yellow" glare with potential to cause temporary after-image.



East Array - OP Receptor (OP 13)

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

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



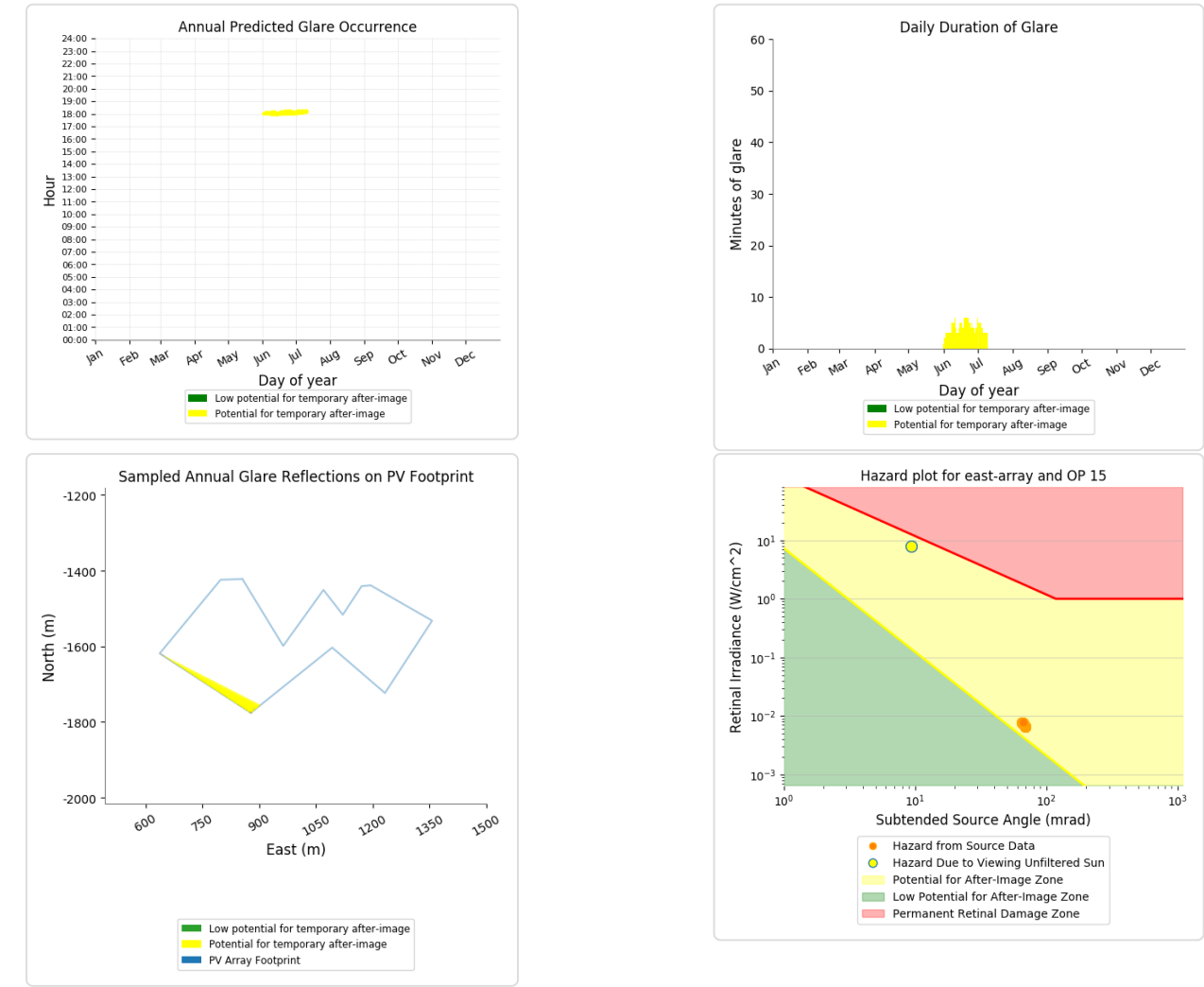
East Array - OP Receptor (OP 14)

No glare found

East Array - OP Receptor (OP 15)

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

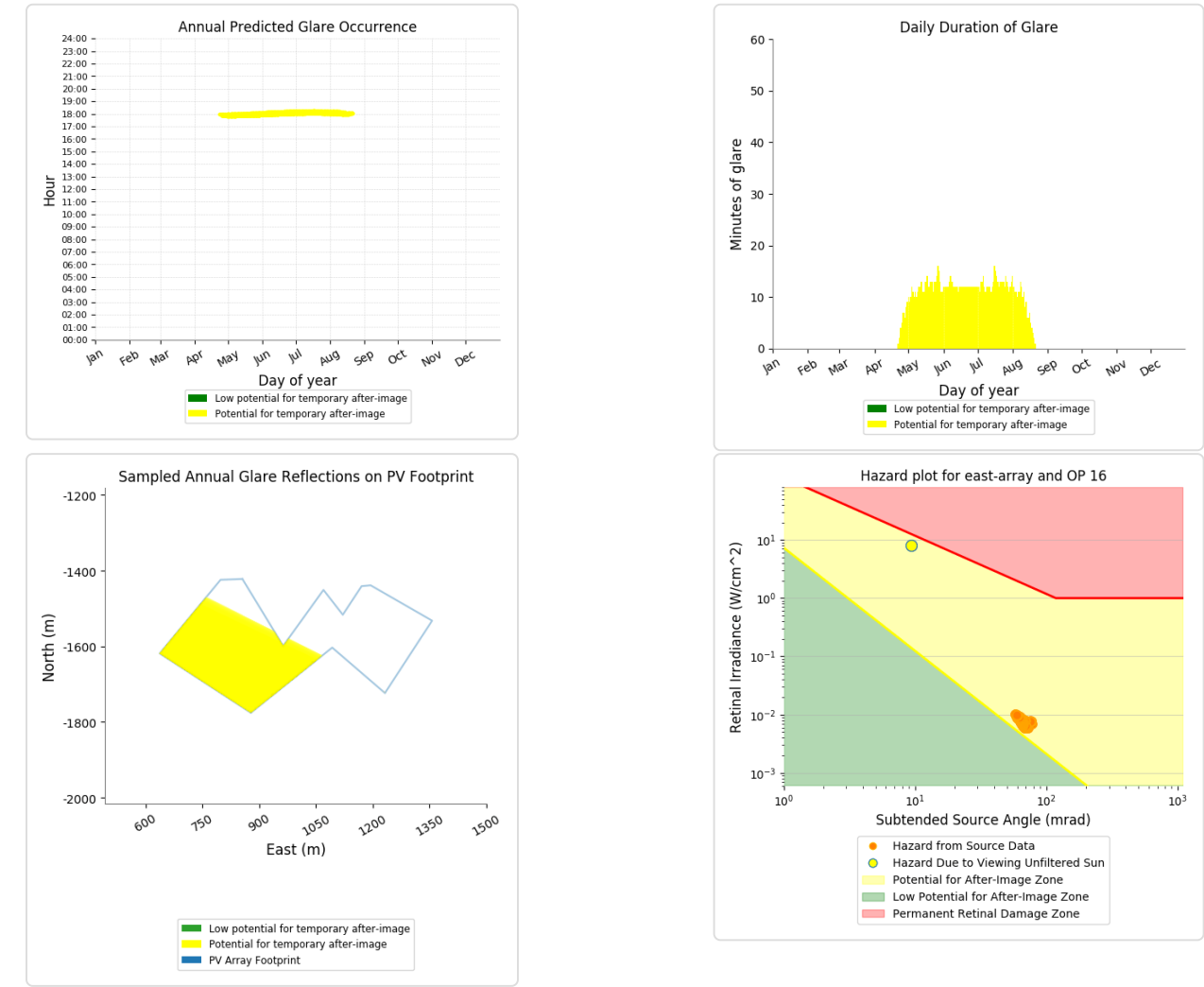
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 166 minutes of "yellow" glare with potential to cause temporary after-image.



East Array - OP Receptor (OP 16)

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

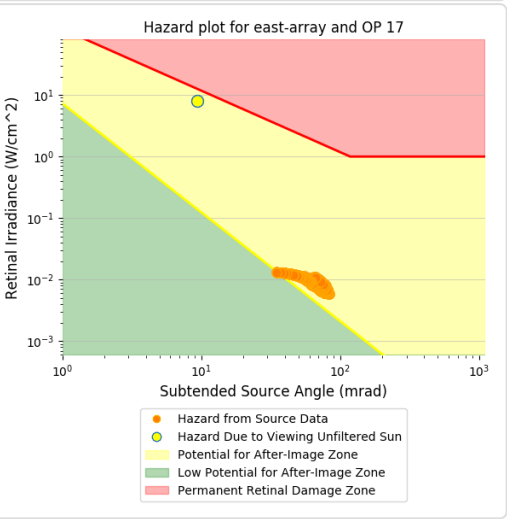
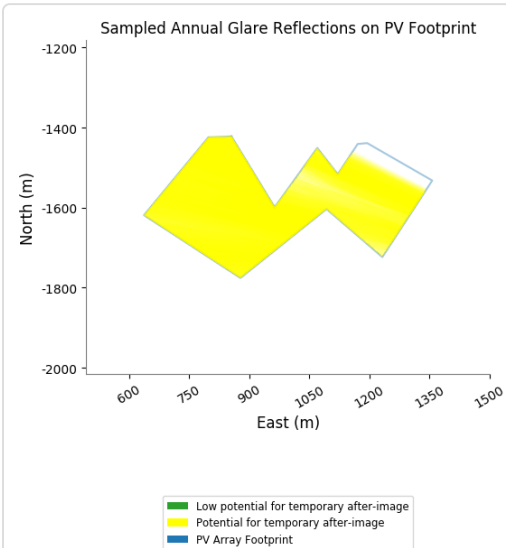
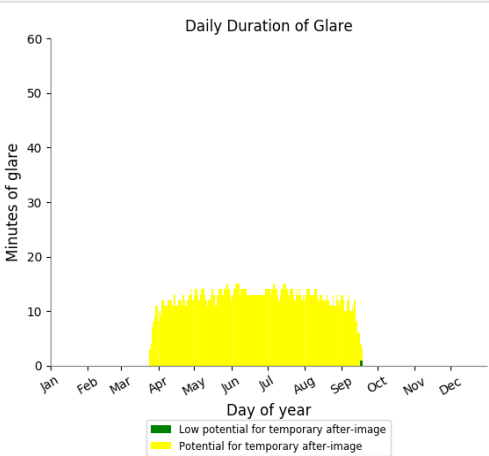
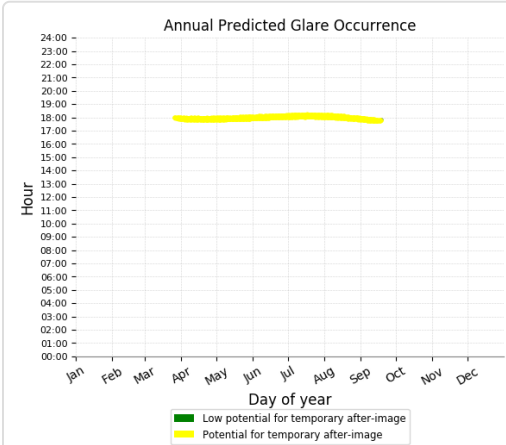
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,356 minutes of "yellow" glare with potential to cause temporary after-image.



East Array - OP Receptor (OP 17)

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

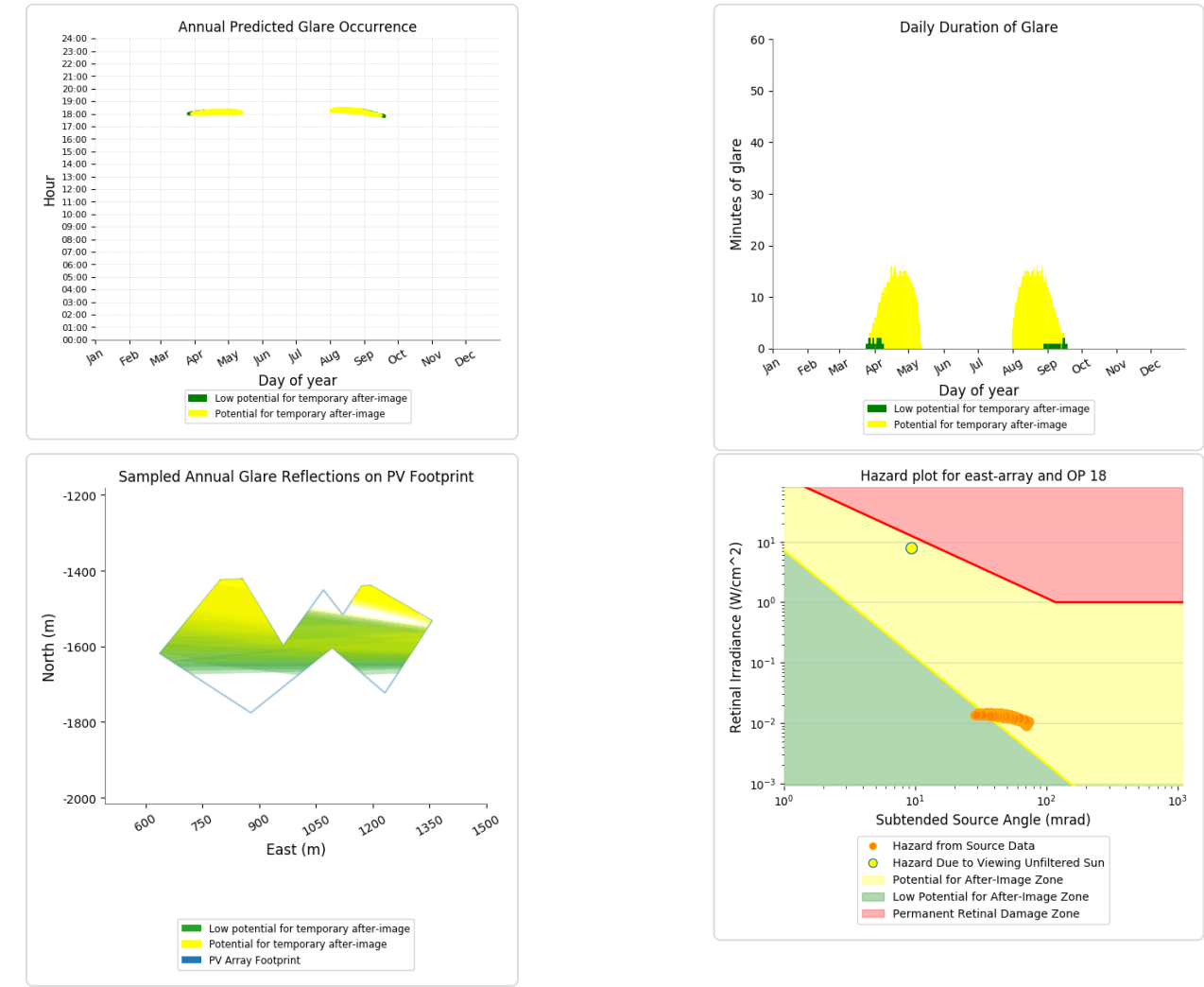
- 2 minutes of "green" glare with low potential to cause temporary after-image.
- 2,196 minutes of "yellow" glare with potential to cause temporary after-image.



East Array - OP Receptor (OP 18)

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

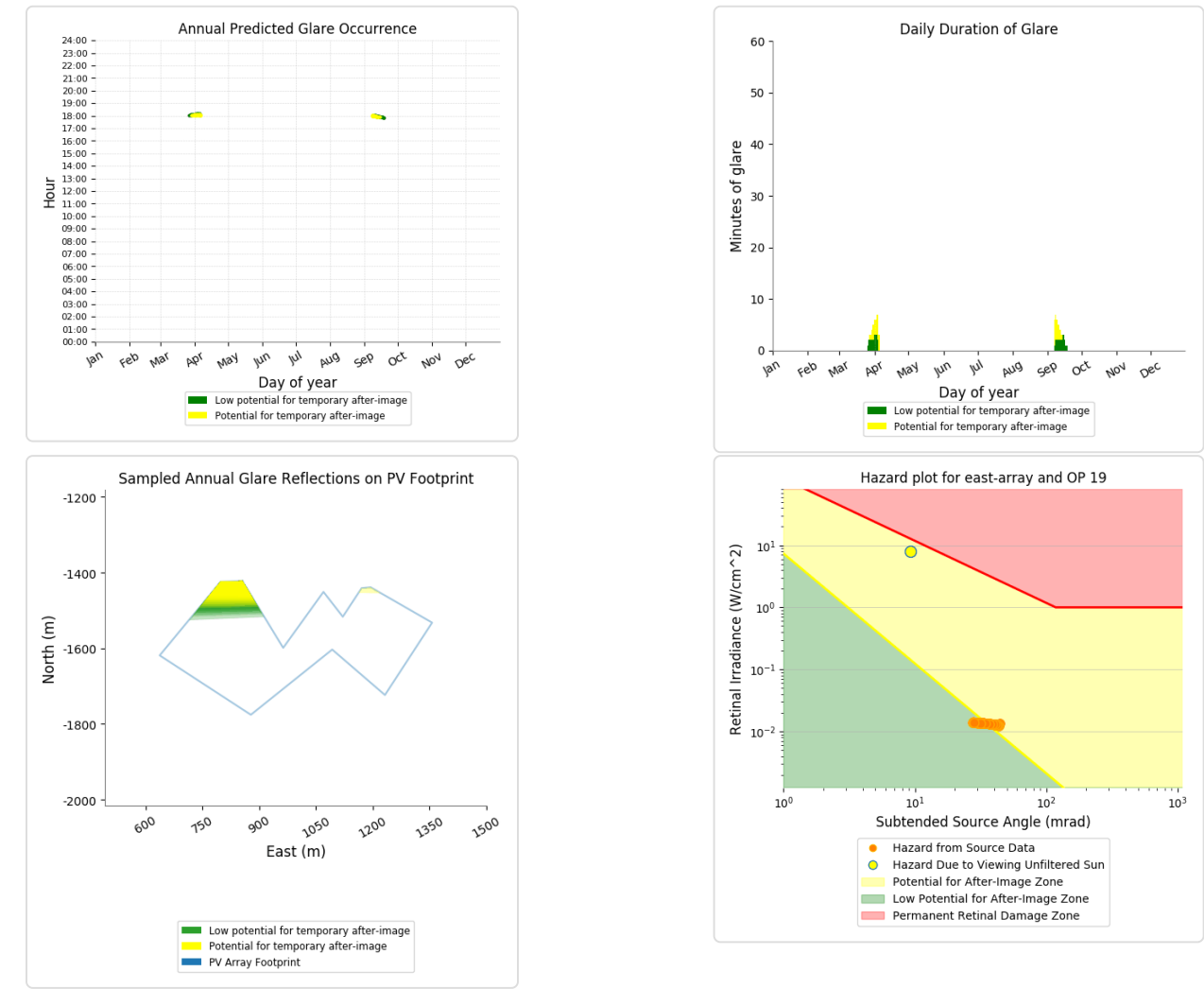
- 46 minutes of "green" glare with low potential to cause temporary after-image.
- 985 minutes of "yellow" glare with potential to cause temporary after-image.



East Array - OP Receptor (OP 19)

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

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



East Array - OP Receptor (OP 20)

No glare found

East Array - OP Receptor (OP 21)

No glare found

East Array - OP Receptor (OP 22)

No glare found

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

East Array - OP Receptor (OP 37)

No glare found

East Array - OP Receptor (OP 38)

No glare found

East Array - OP Receptor (OP 39)

No glare found

East Array - OP Receptor (OP 40)

No glare found

East Array - OP Receptor (OP 41)

No glare found

East Array - OP Receptor (OP 42)

No glare found

East Array - OP Receptor (OP 43)

No glare found

East Array - OP Receptor (OP 44)

No glare found

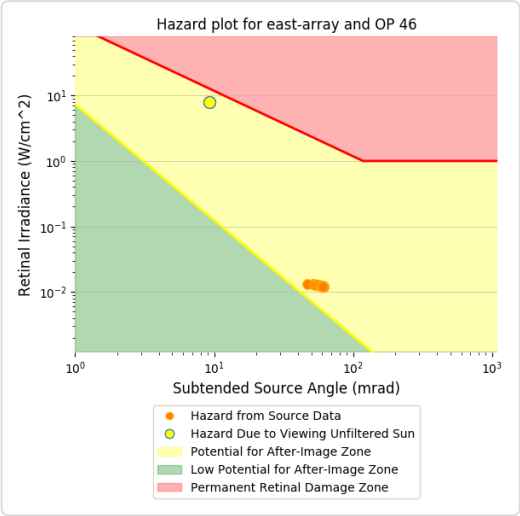
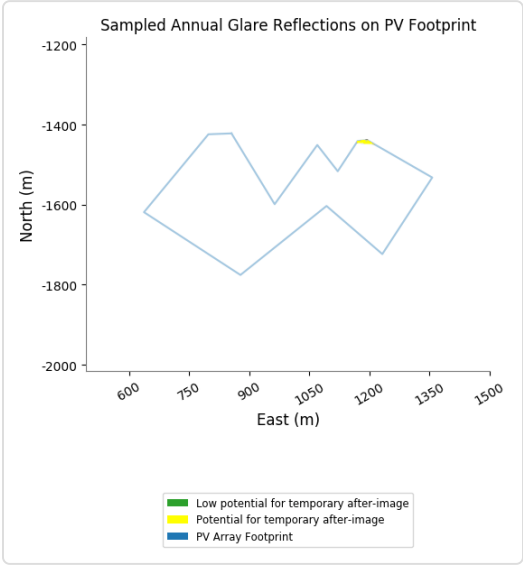
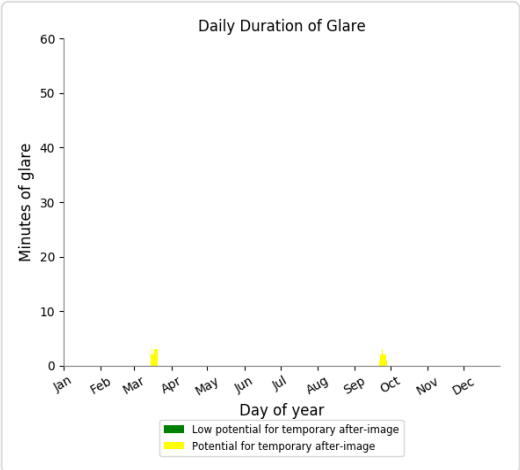
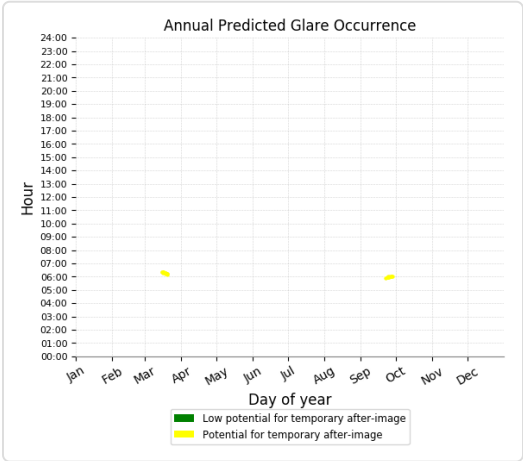
East Array - OP Receptor (OP 45)

No glare found

East Array - OP Receptor (OP 46)

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

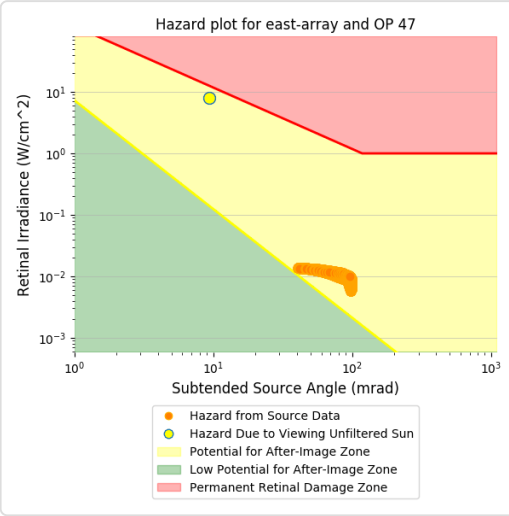
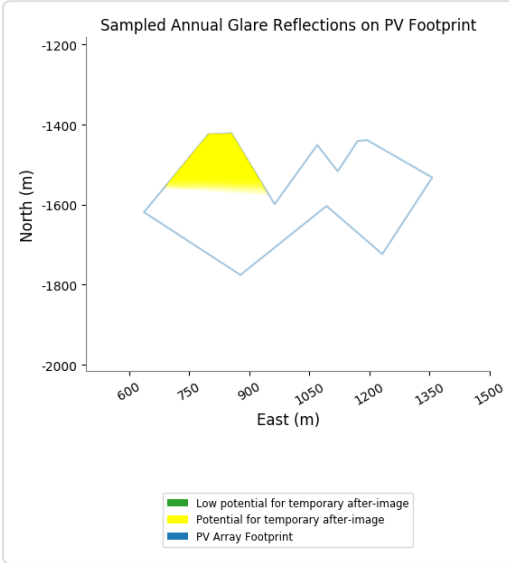
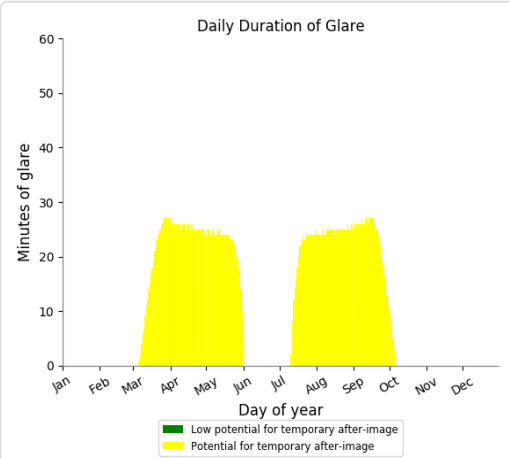
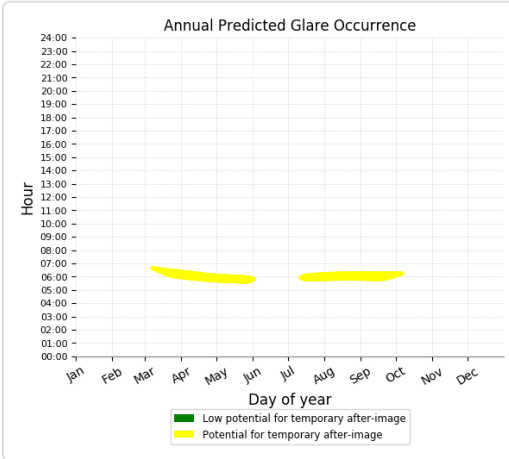
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 29 minutes of "yellow" glare with potential to cause temporary after-image.



East Array - OP Receptor (OP 47)

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

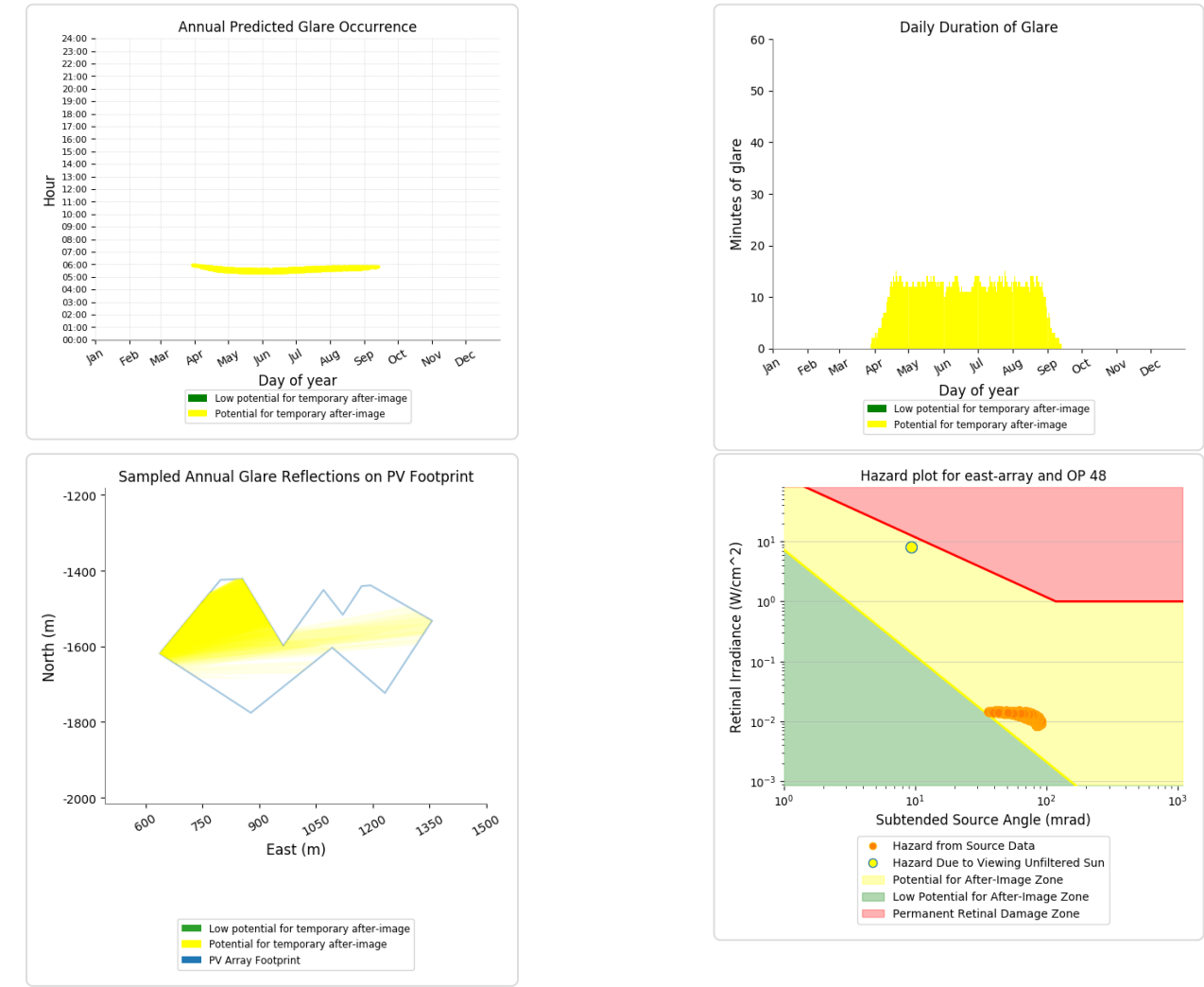
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,857 minutes of "yellow" glare with potential to cause temporary after-image.



East Array - OP Receptor (OP 48)

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

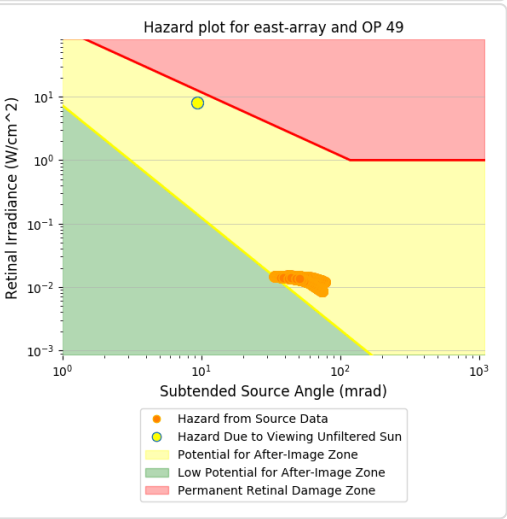
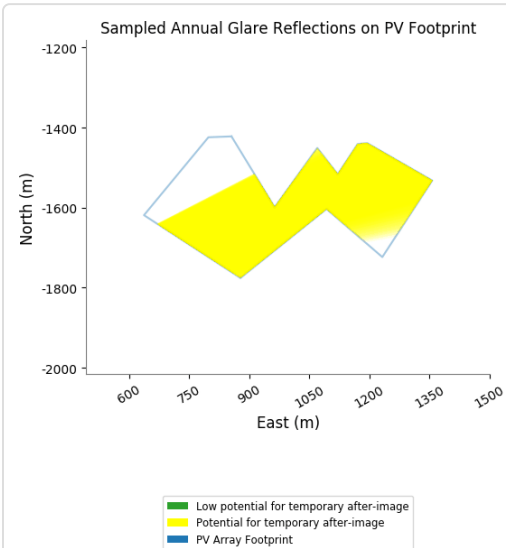
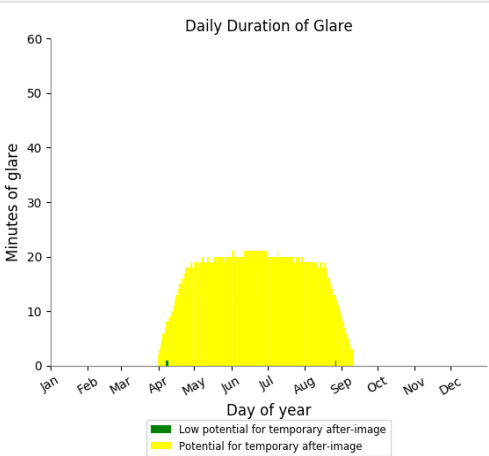
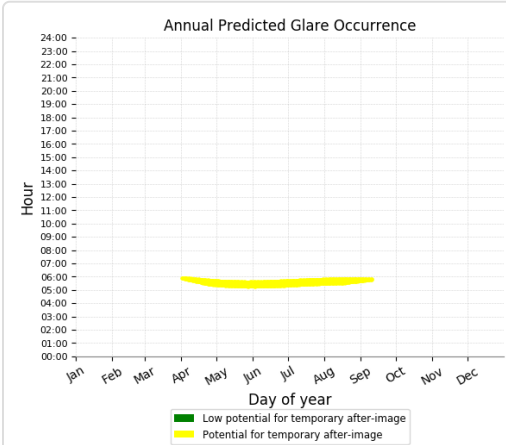
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,873 minutes of "yellow" glare with potential to cause temporary after-image.



East Array - OP Receptor (OP 49)

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

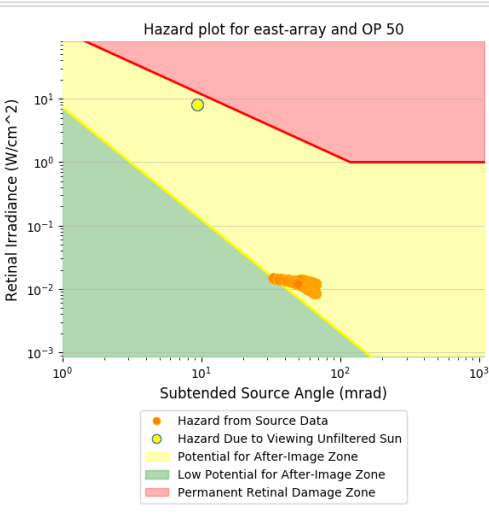
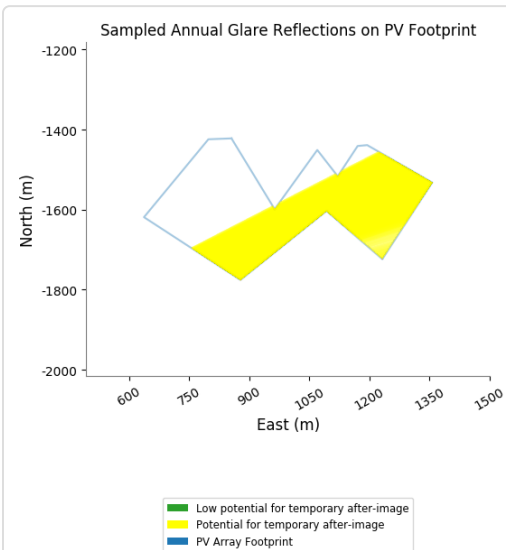
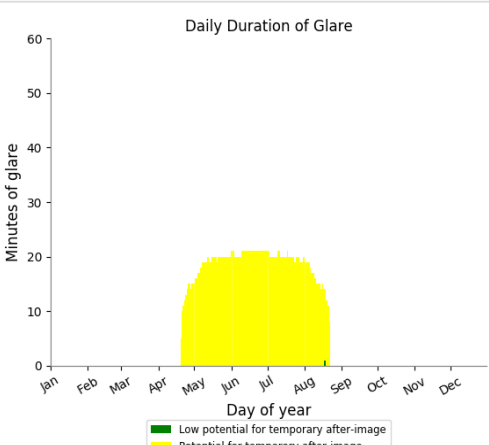
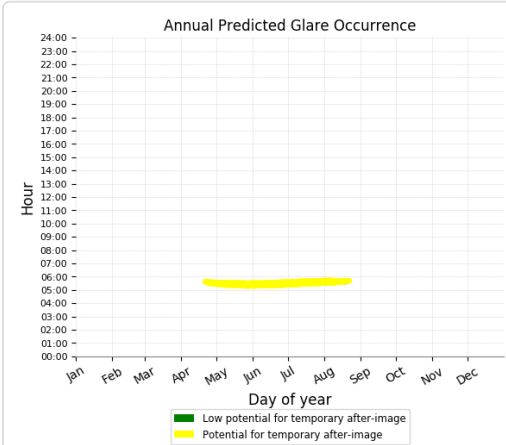
- 3 minutes of "green" glare with low potential to cause temporary after-image.
- 2,772 minutes of "yellow" glare with potential to cause temporary after-image.



East Array - OP Receptor (OP 50)

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

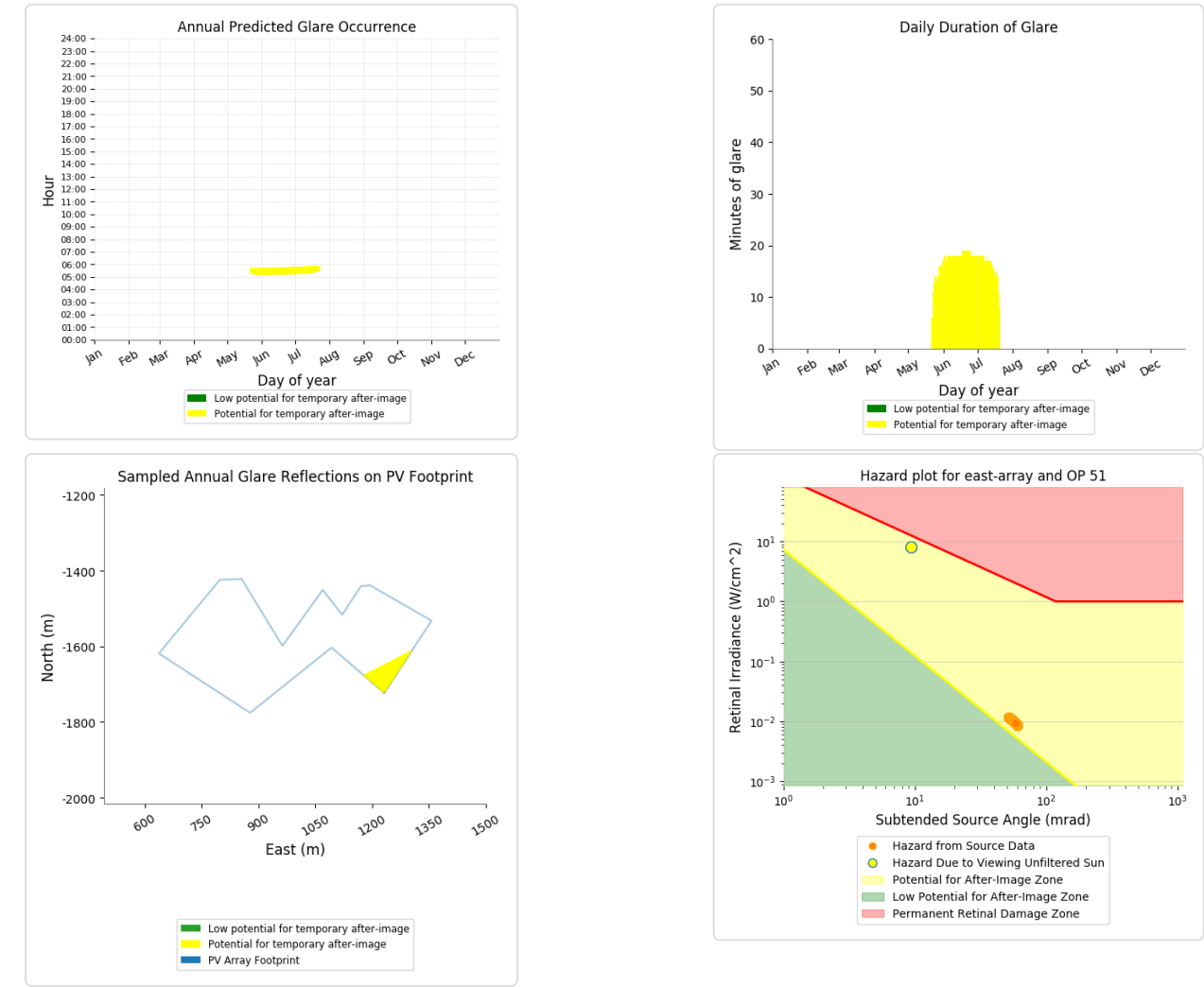
- 1 minutes of "green" glare with low potential to cause temporary after-image.
- 2,314 minutes of "yellow" glare with potential to cause temporary after-image.



East Array - OP Receptor (OP 51)

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.
- 1,020 minutes of "yellow" glare with potential to cause temporary after-image.



North Array potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	71
OP: OP 3	0	0
OP: OP 4	0	1281
OP: OP 5	0	3357
OP: OP 6	0	2659
OP: OP 7	1	2786
OP: OP 8	0	0
OP: OP 9	0	297
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	774
OP: OP 20	0	1682
OP: OP 21	6	2189
OP: OP 22	0	2247
OP: OP 23	0	2316
OP: OP 24	0	2502
OP: OP 25	0	2749
OP: OP 26	19	3048
OP: OP 27	1	2846
OP: OP 28	0	3046
OP: OP 29	0	2109
OP: OP 30	0	1801
OP: OP 31	0	1224
OP: OP 32	0	361
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	24
OP: OP 36	0	261
OP: OP 37	18	472
OP: OP 38	4	1459
OP: OP 39	33	1904
OP: OP 40	88	1910
OP: OP 41	0	1927
OP: OP 42	0	2333
OP: OP 43	0	768
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
OP: OP 51	0	0

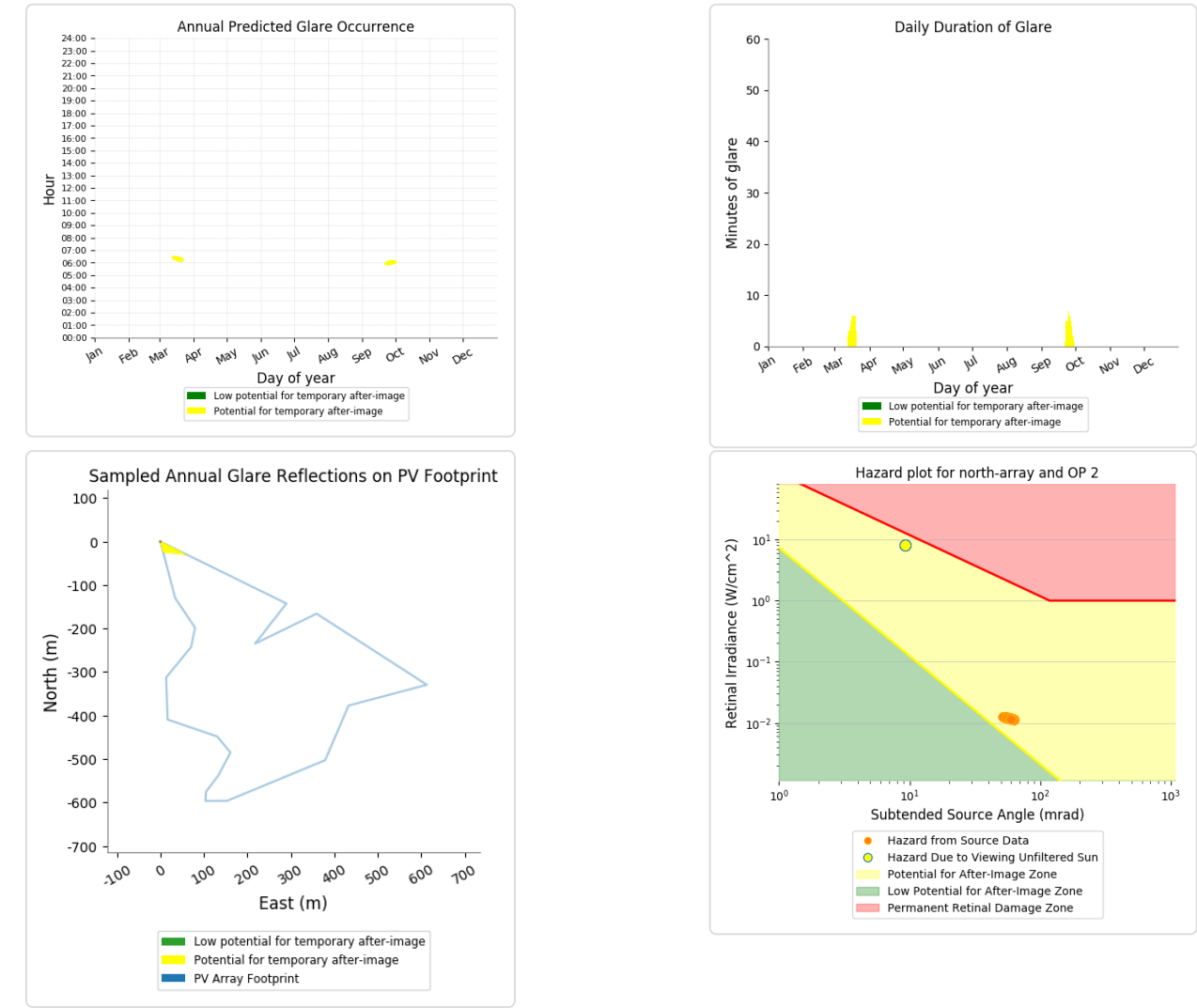
North Array - OP Receptor (OP 1)

No glare found

North Array - OP Receptor (OP 2)

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

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



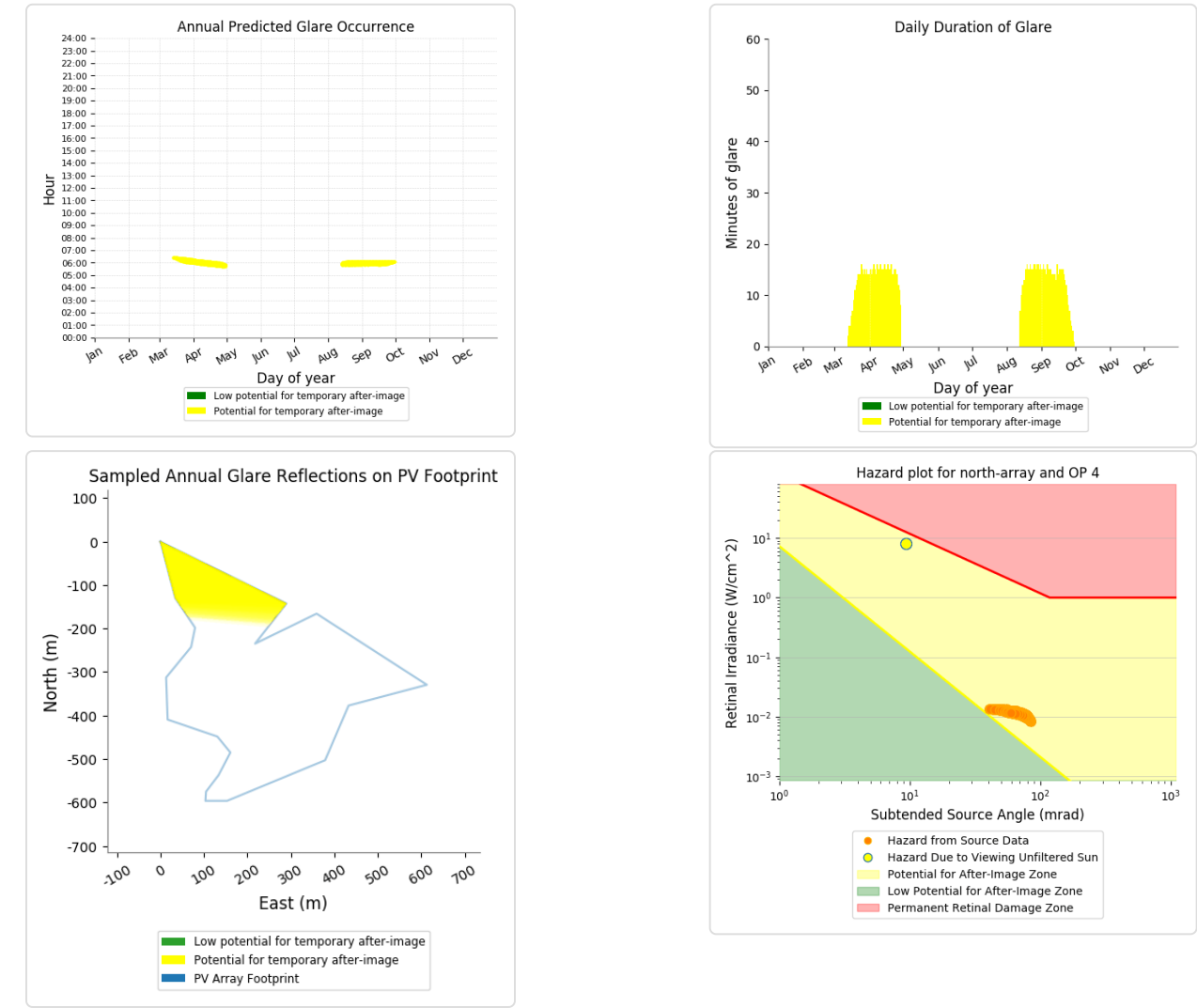
North Array - OP Receptor (OP 3)

No glare found

North Array - OP Receptor (OP 4)

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

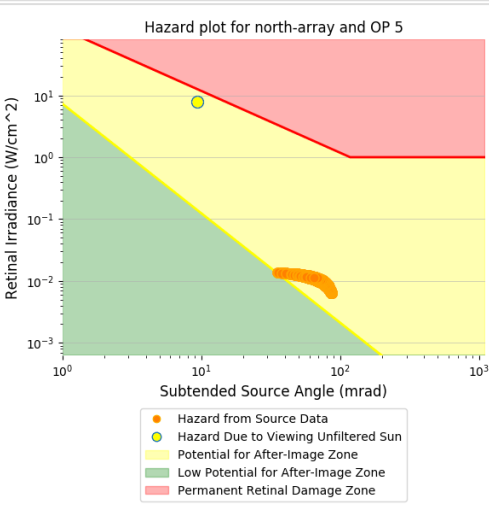
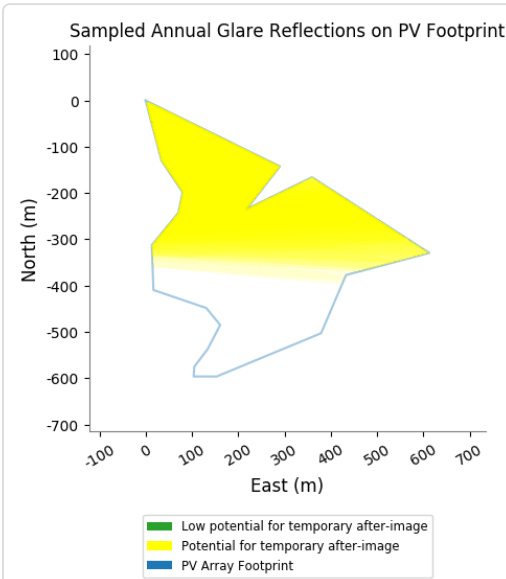
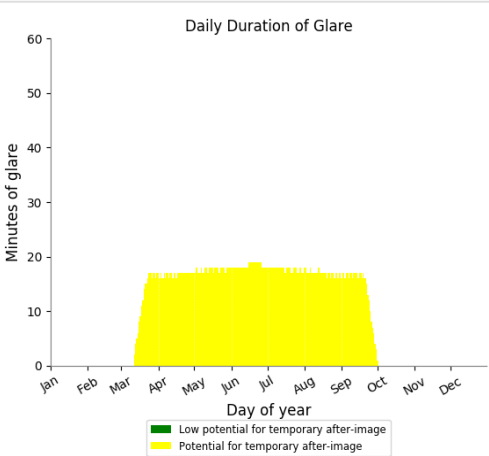
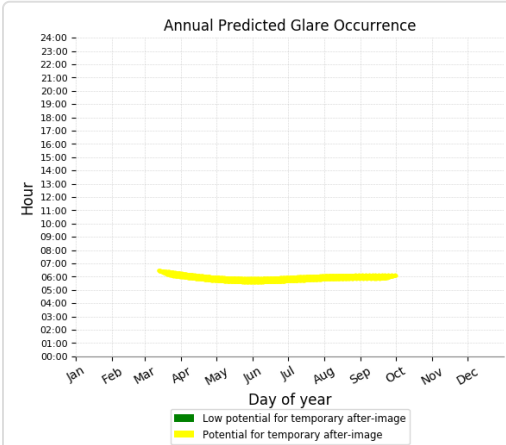
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,281 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 5)

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

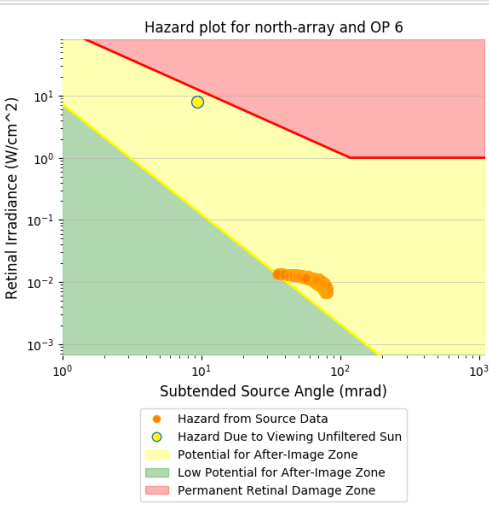
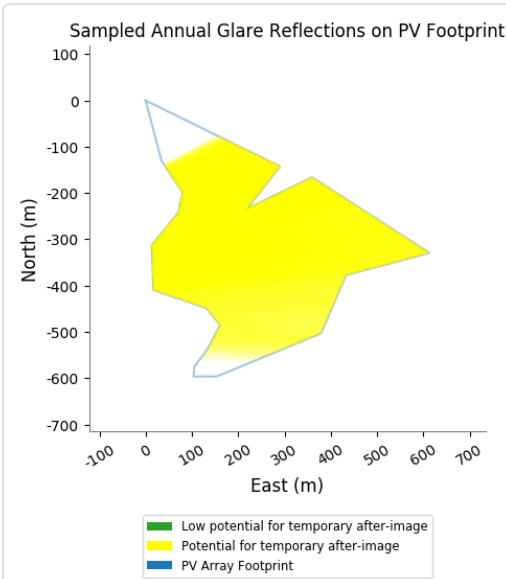
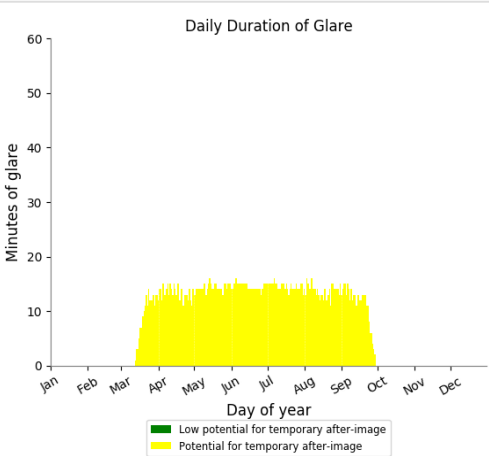
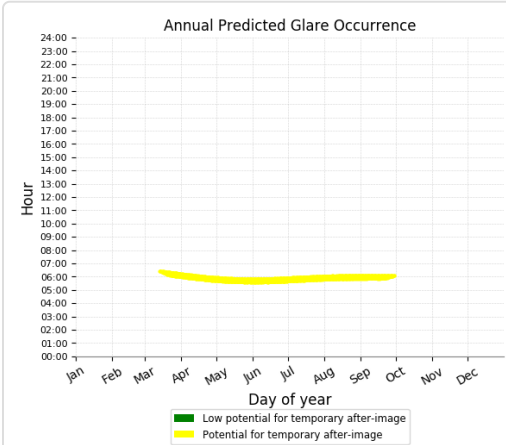
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,357 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 6)

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

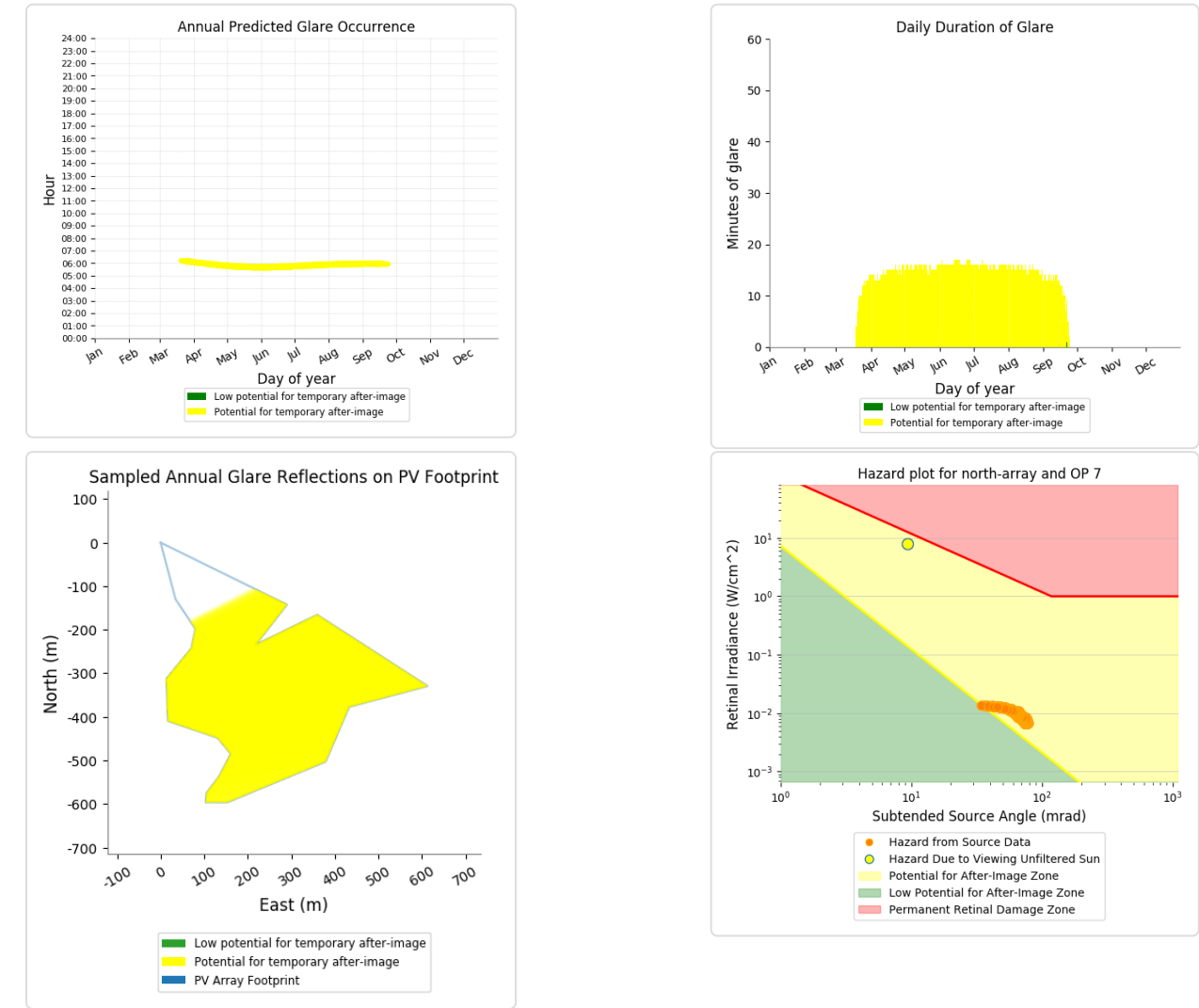
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,659 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 7)

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

- 1 minutes of "green" glare with low potential to cause temporary after-image.
- 2,786 minutes of "yellow" glare with potential to cause temporary after-image.



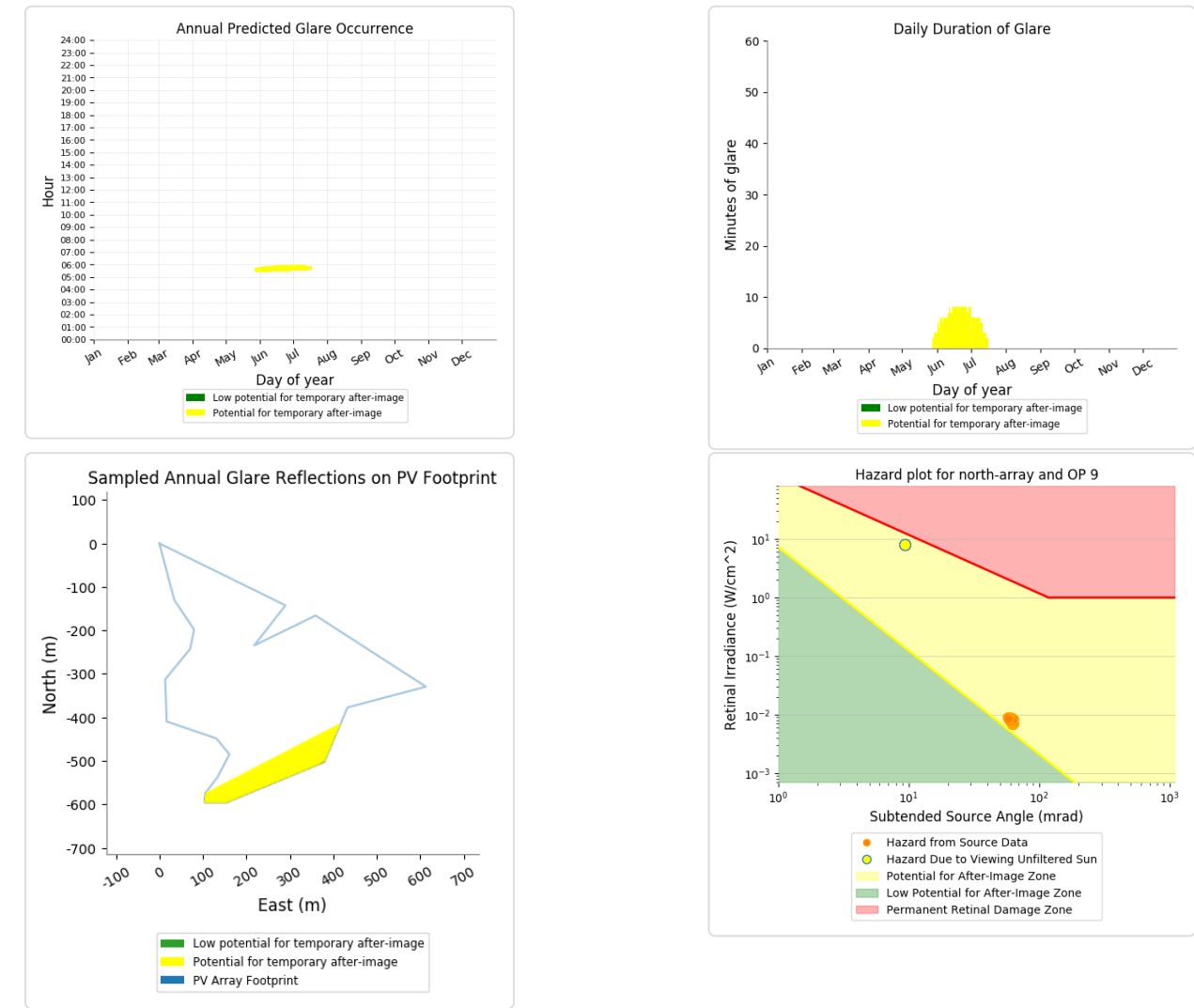
North Array - OP Receptor (OP 8)

No glare found

North Array - OP Receptor (OP 9)

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



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)

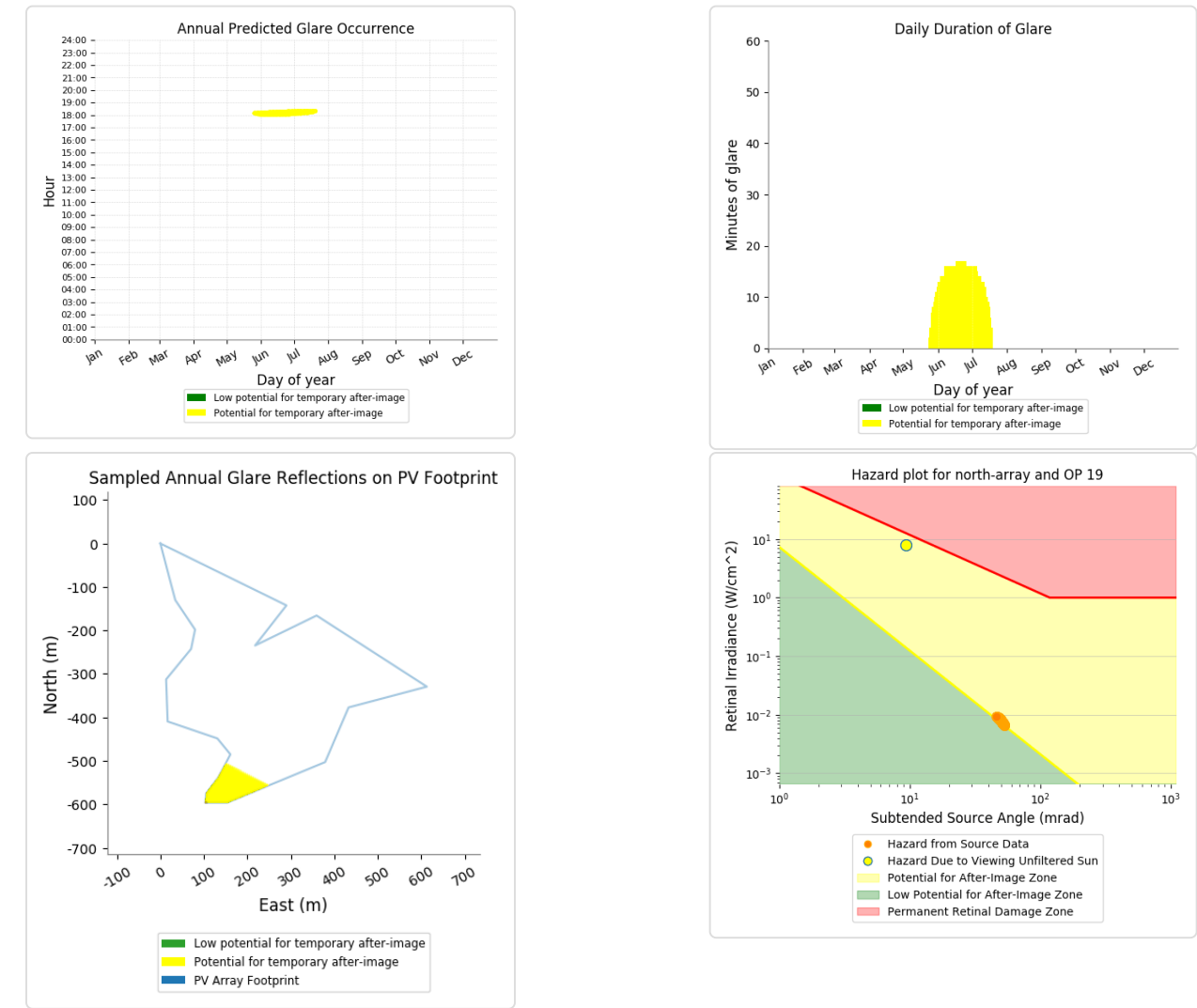
No glare found

North Array - OP Receptor (OP 18)

No glare found

North Array - OP Receptor (OP 19)

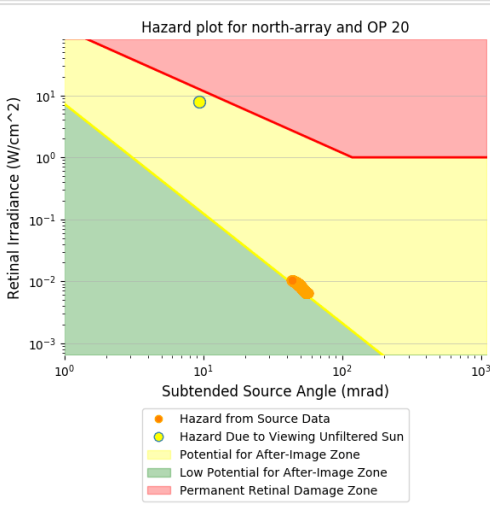
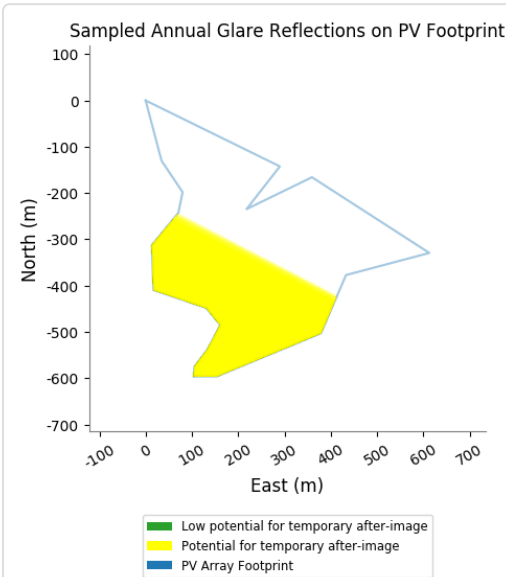
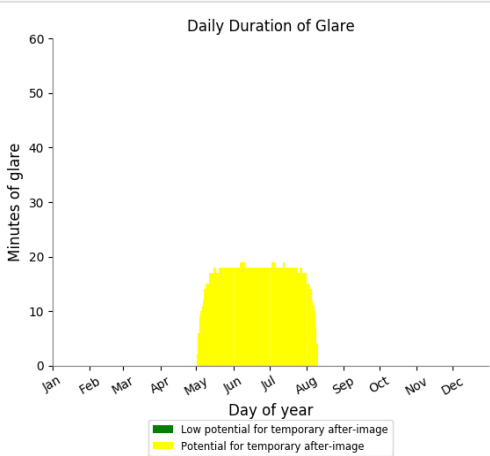
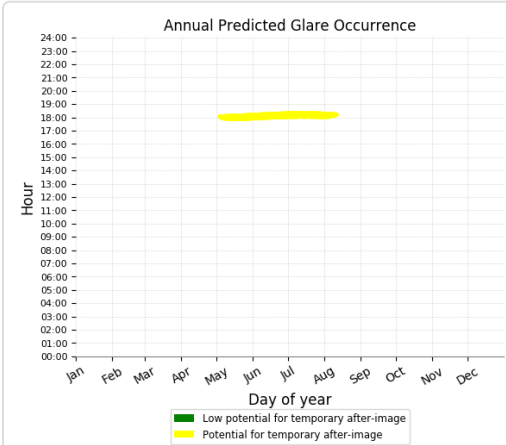
- PV array is expected to produce the following glare for receptors at this location:
- 0 minutes of "green" glare with low potential to cause temporary after-image.
 - 774 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 20)

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

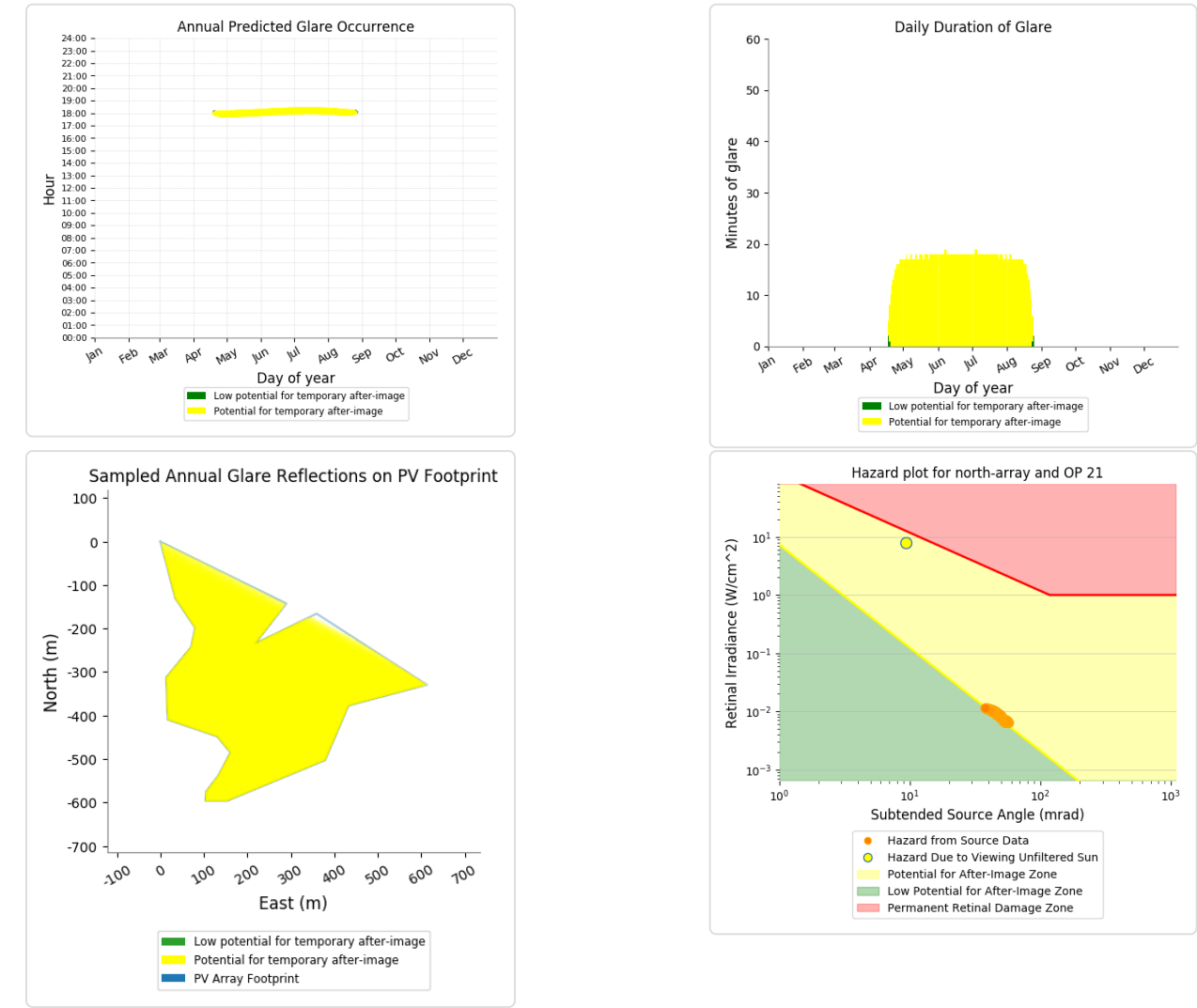
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,682 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 21)

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

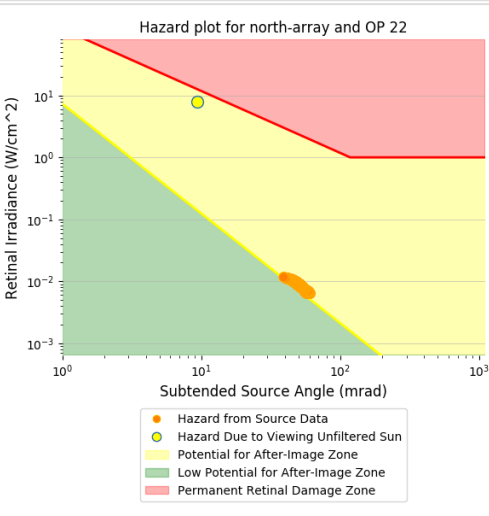
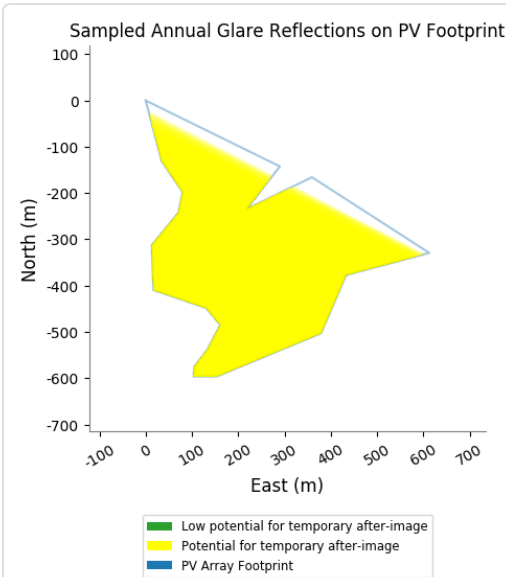
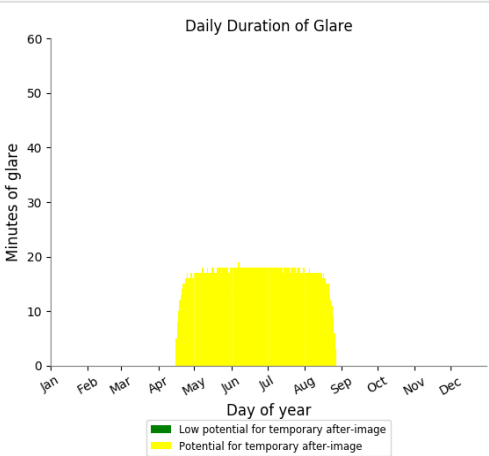
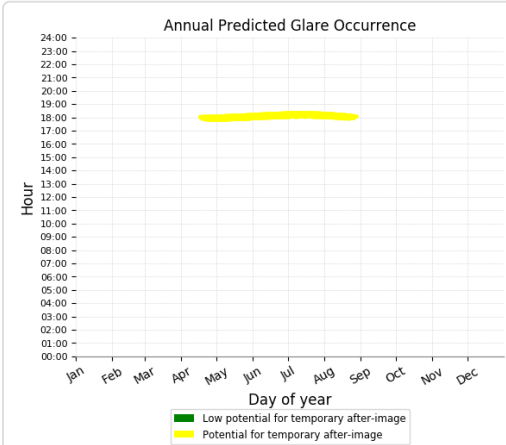
- 6 minutes of "green" glare with low potential to cause temporary after-image.
- 2,189 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 22)

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

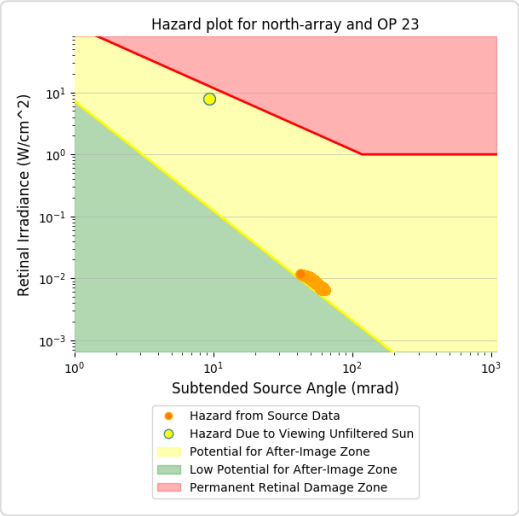
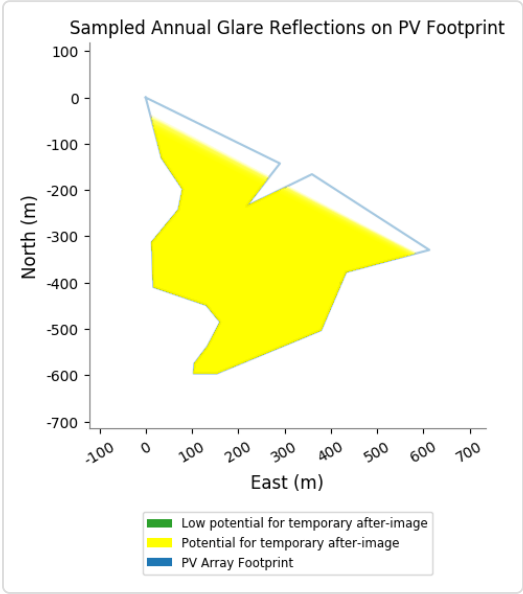
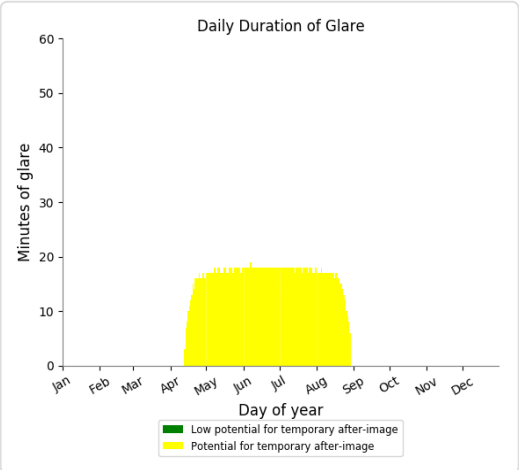
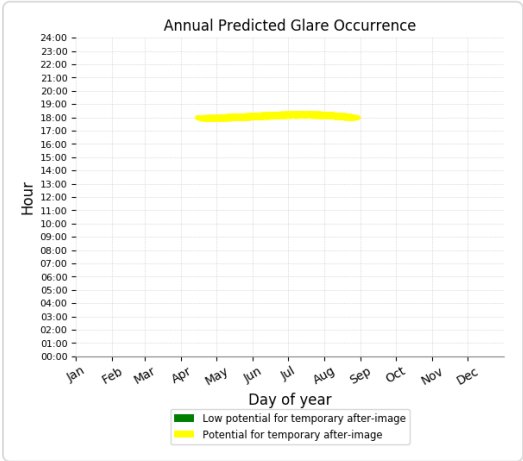
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,247 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 23)

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

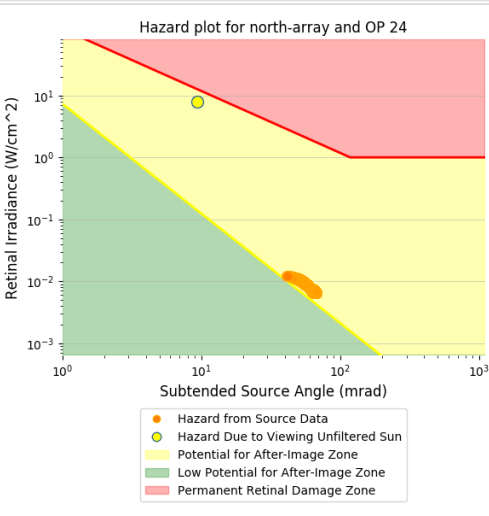
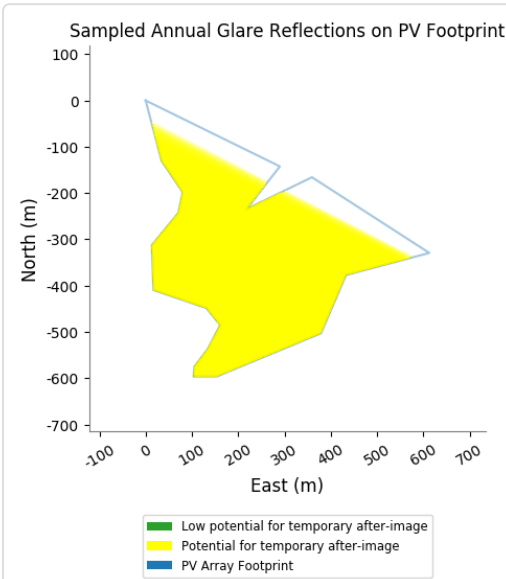
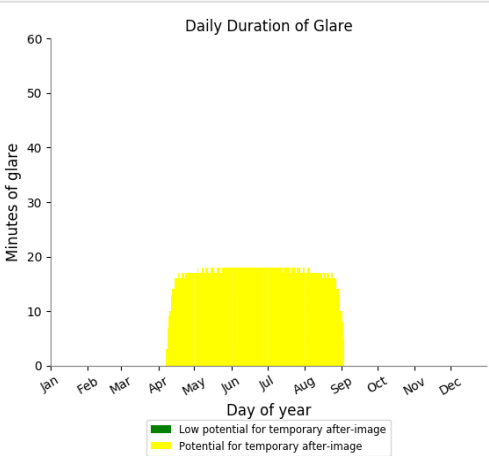
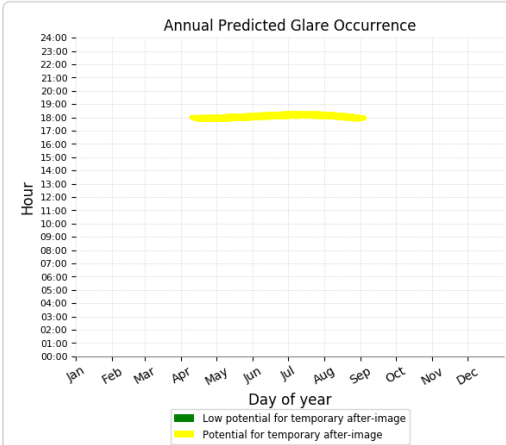
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,316 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 24)

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

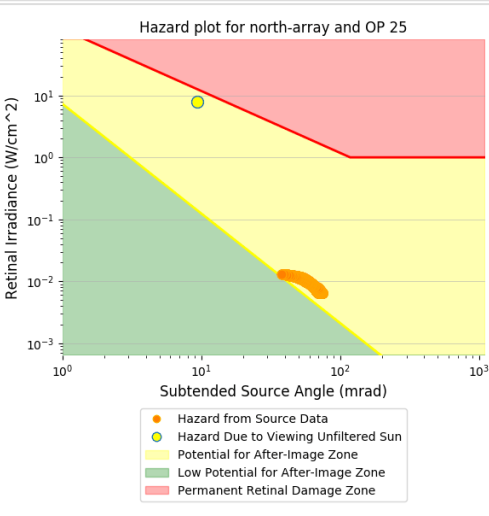
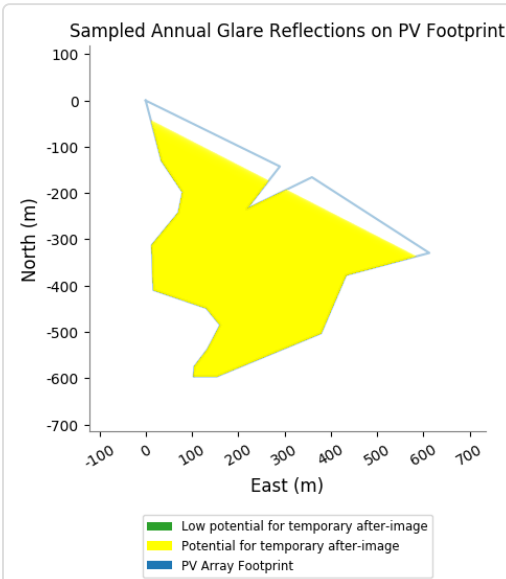
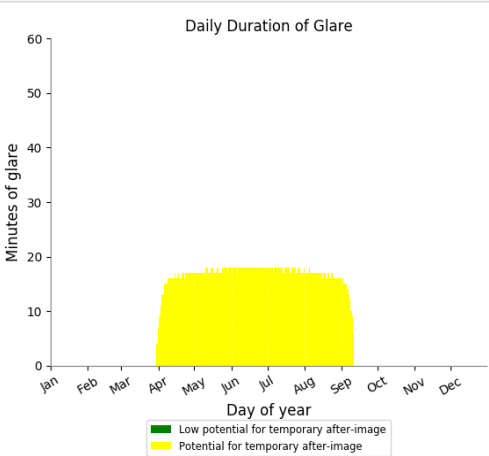
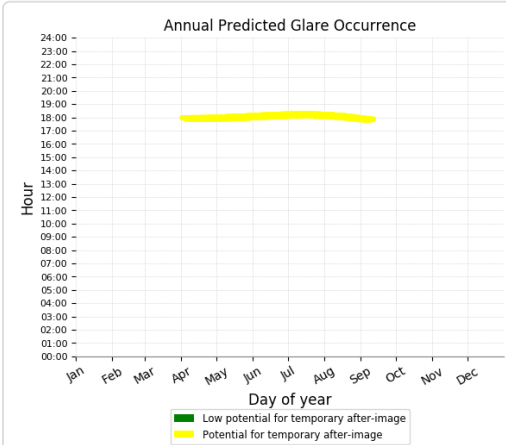
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,502 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 25)

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

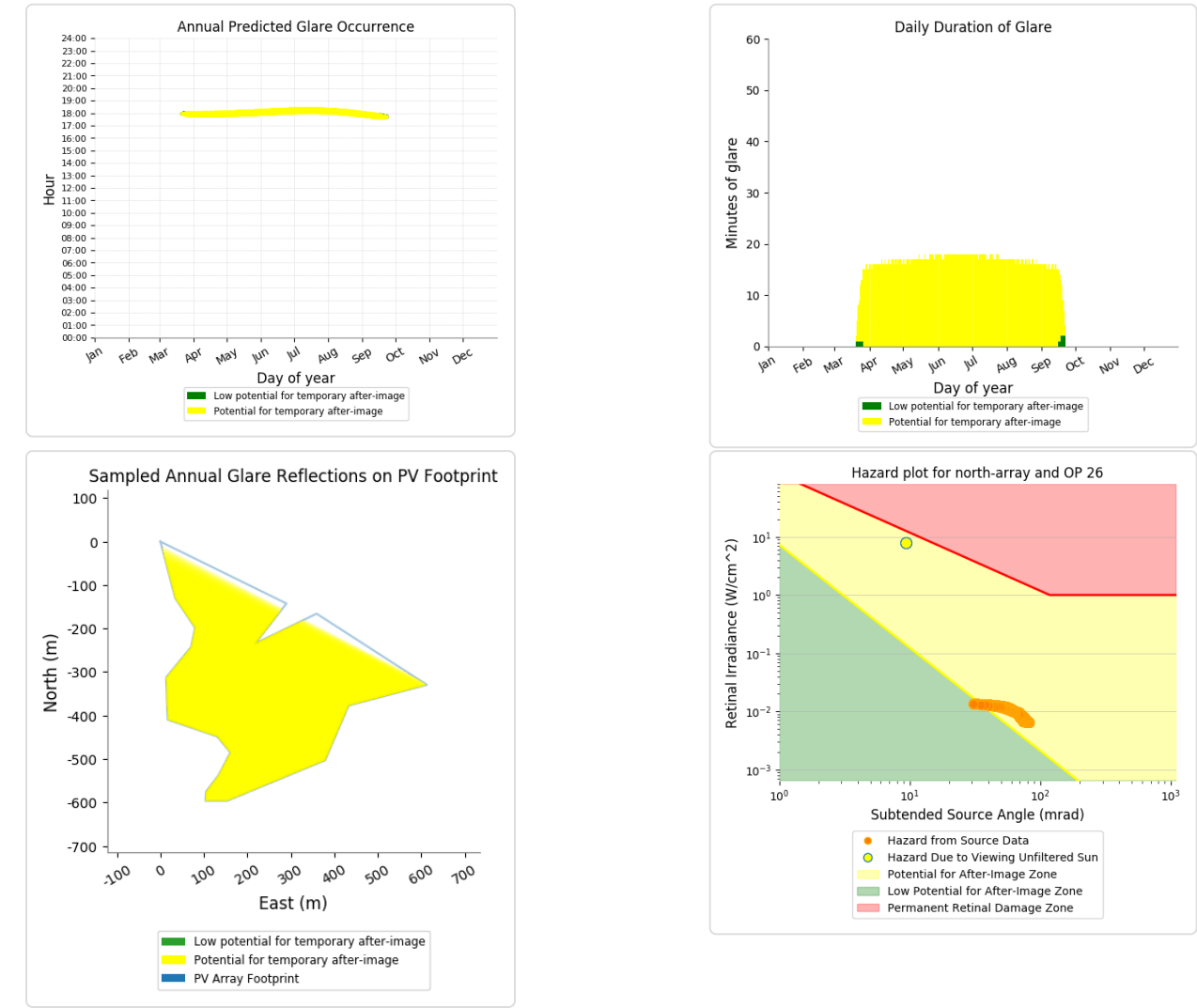
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,749 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 26)

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

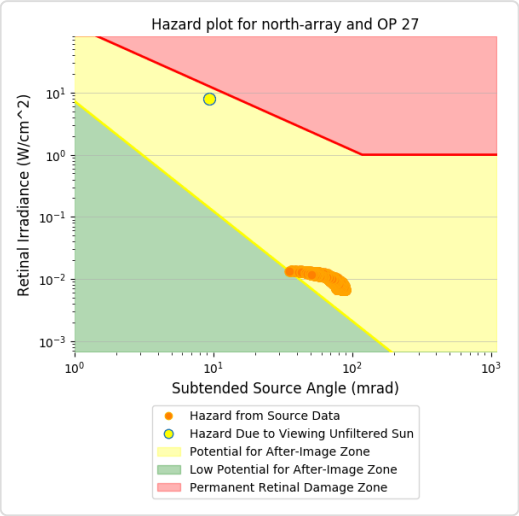
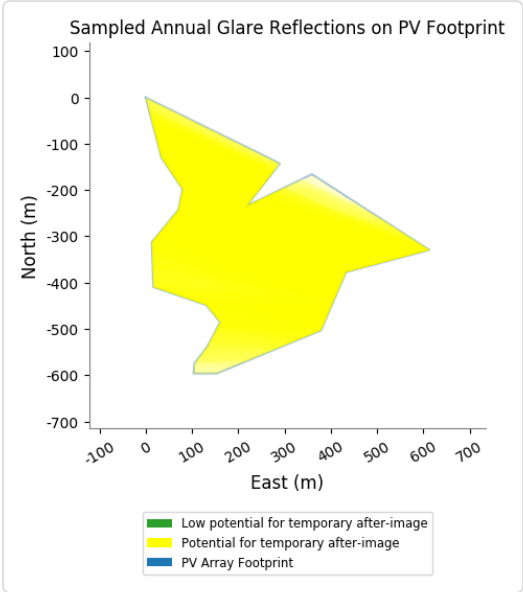
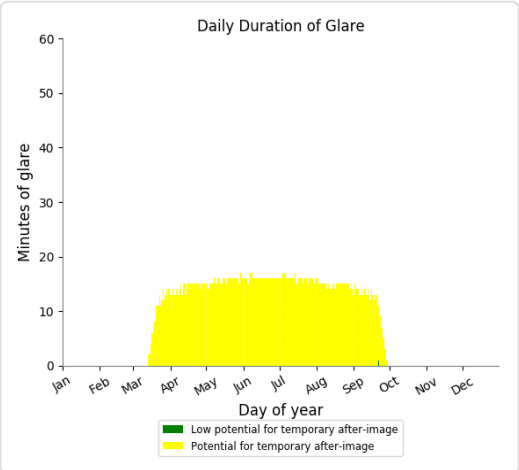
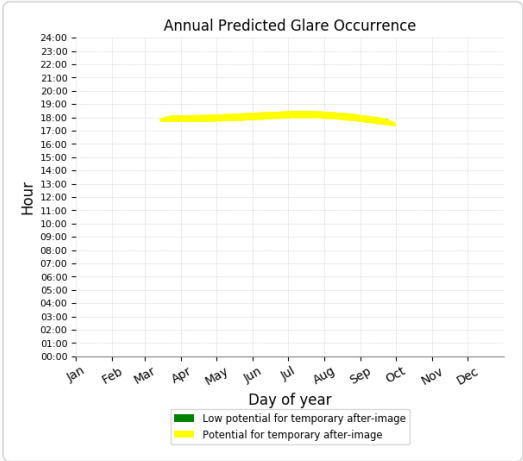
- 19 minutes of "green" glare with low potential to cause temporary after-image.
- 3,048 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 27)

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

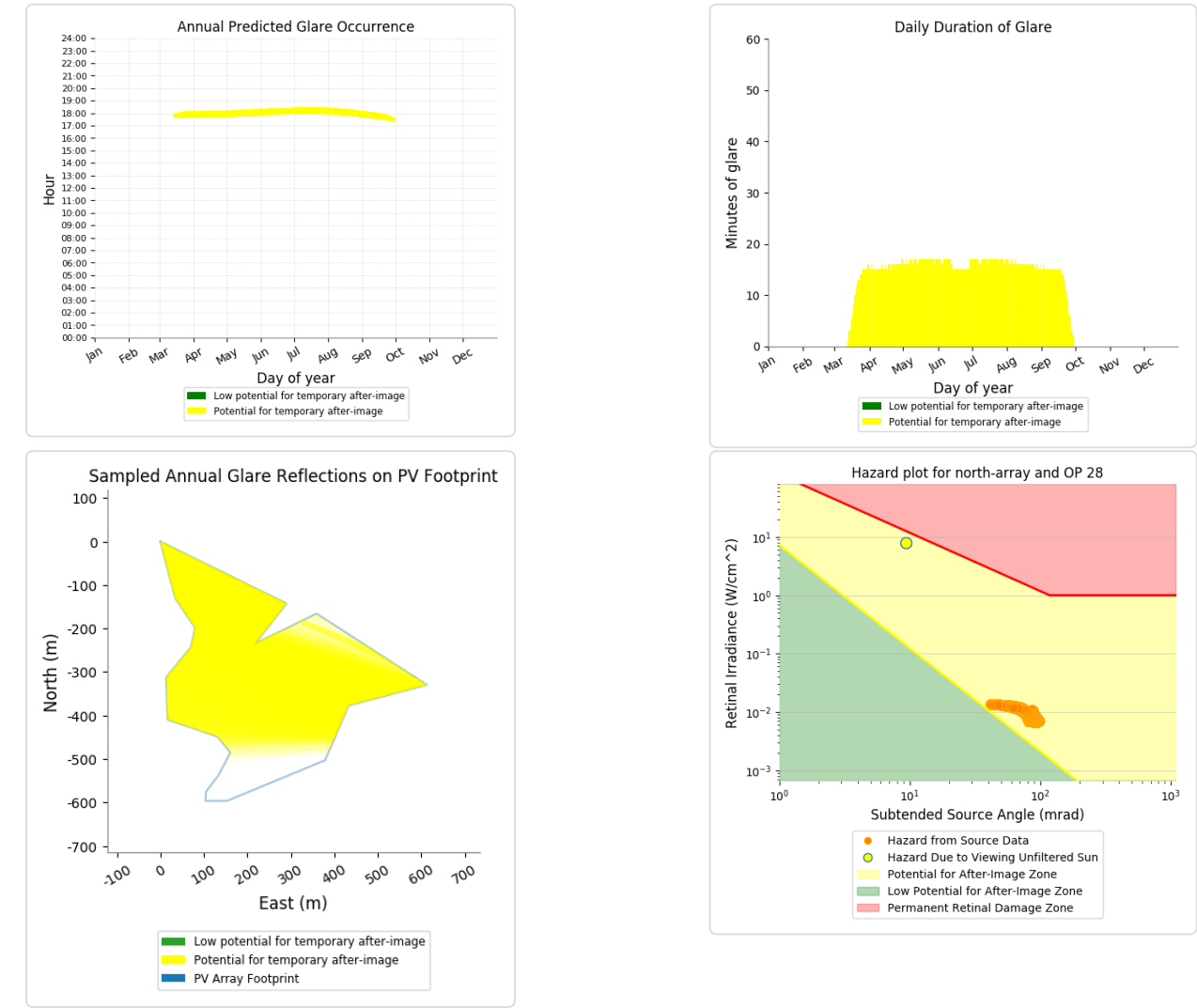
- 1 minutes of "green" glare with low potential to cause temporary after-image.
- 2,846 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 28)

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

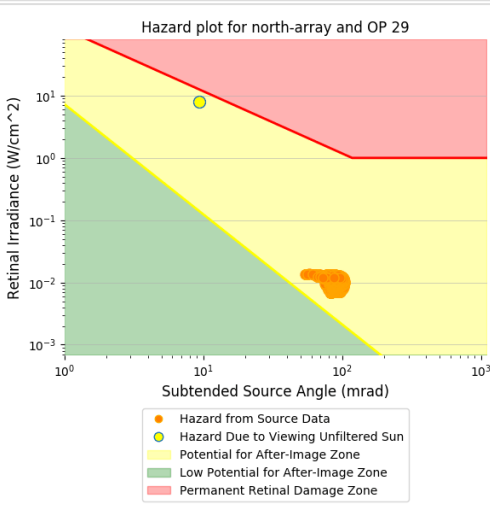
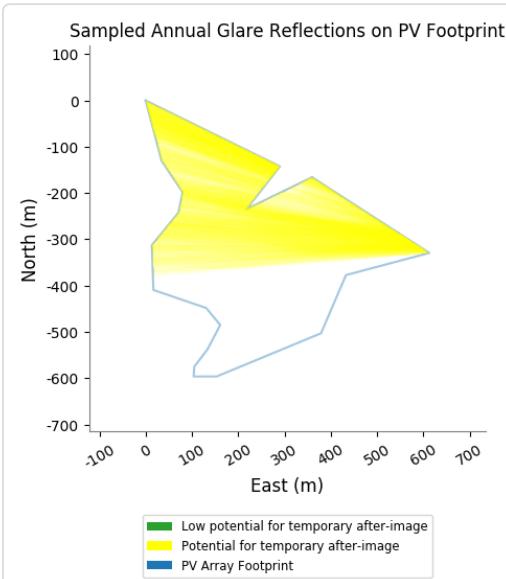
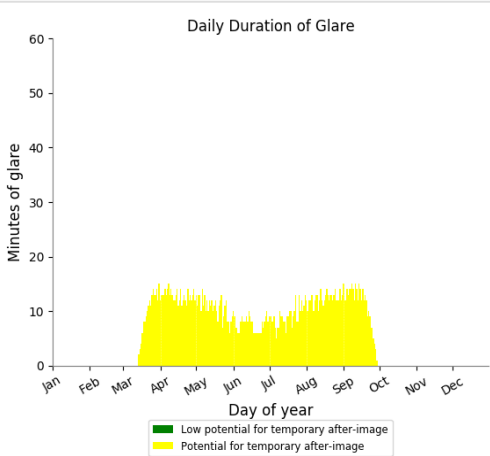
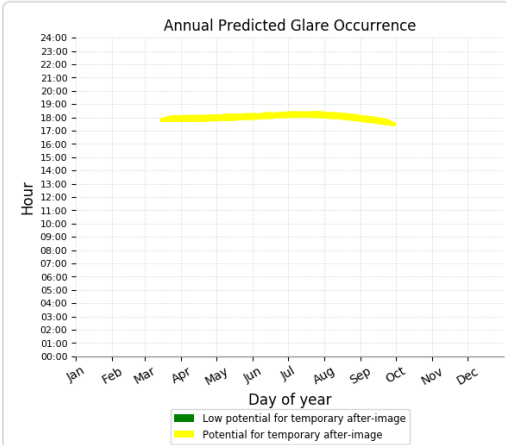
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,046 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 29)

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

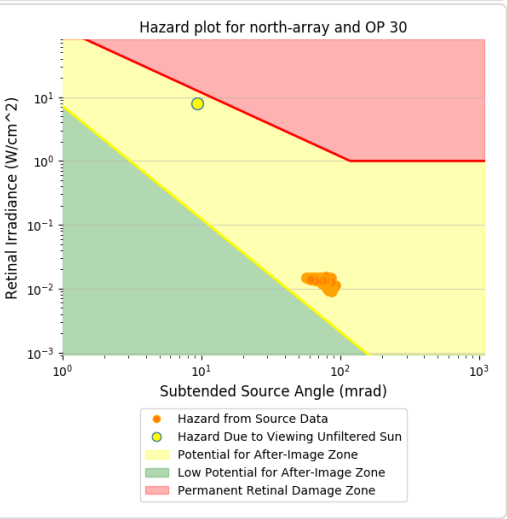
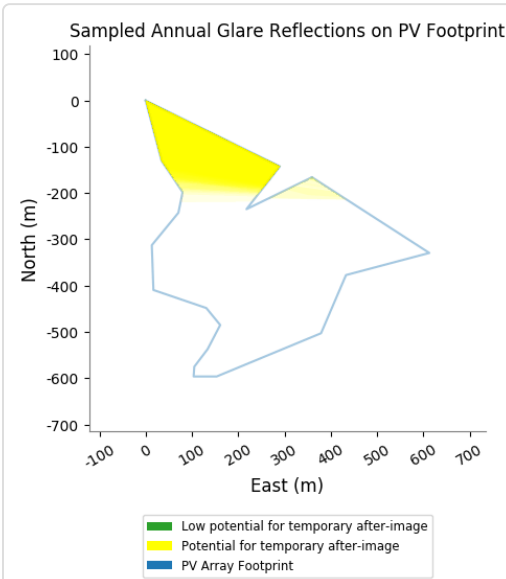
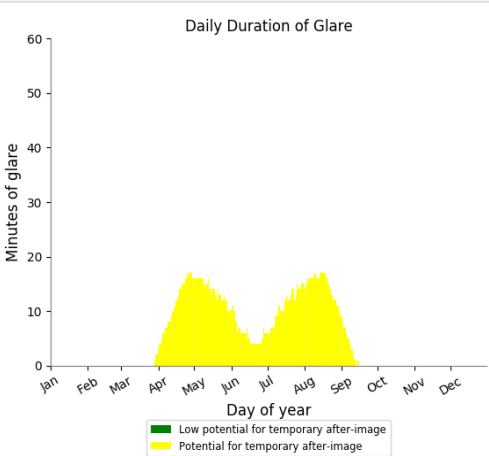
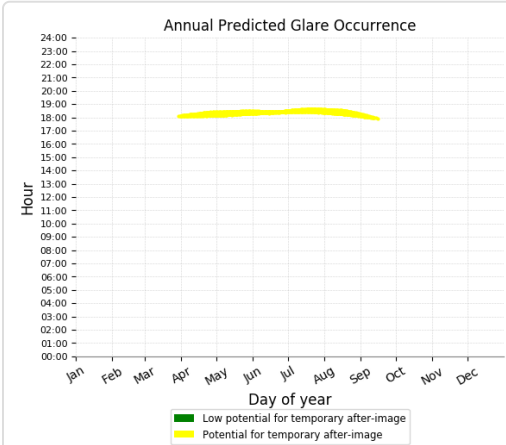
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,109 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 30)

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

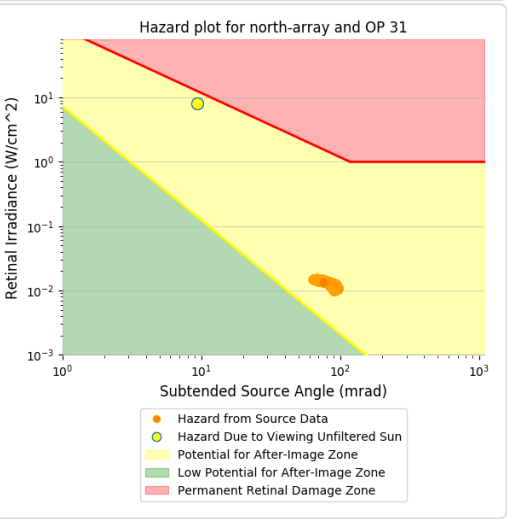
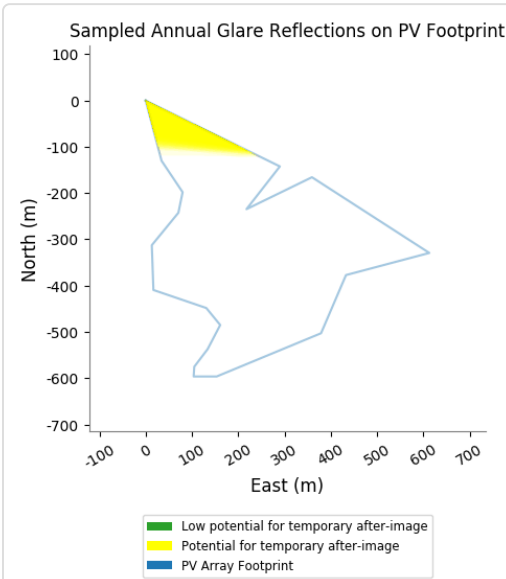
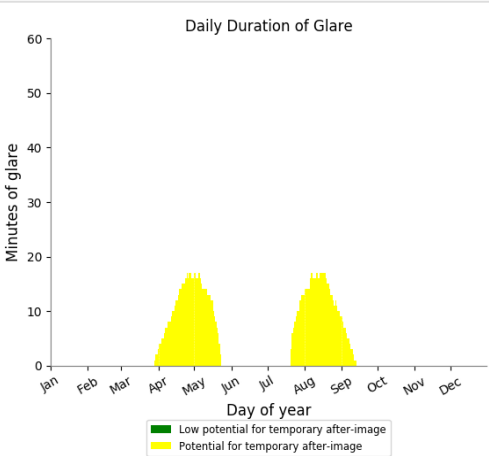
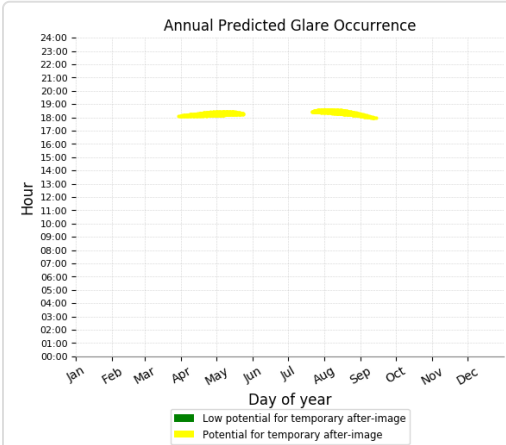
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,801 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 31)

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

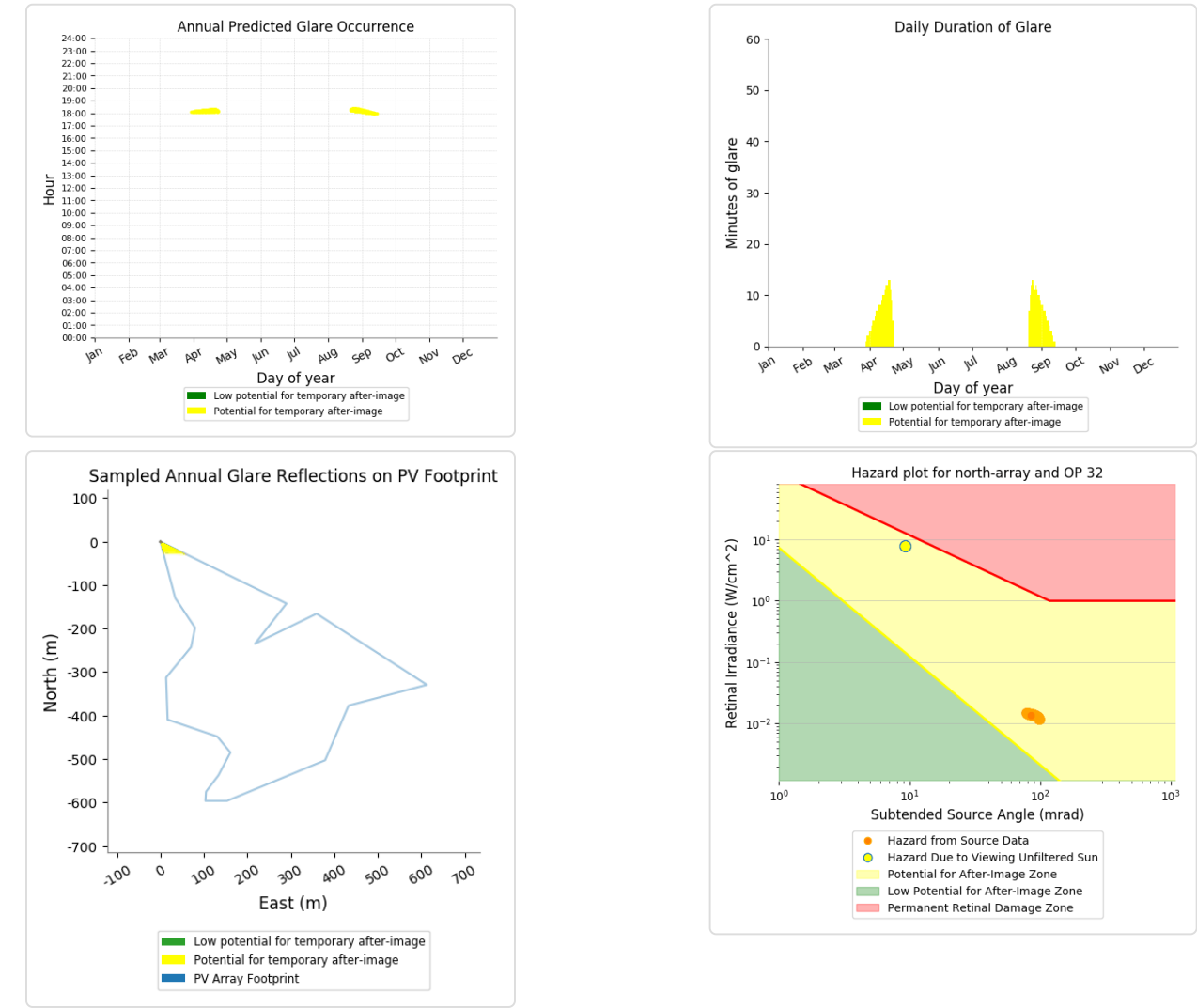
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,224 minutes of "yellow" glare with potential to cause temporary after-image.



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



North Array - OP Receptor (OP 33)

No glare found

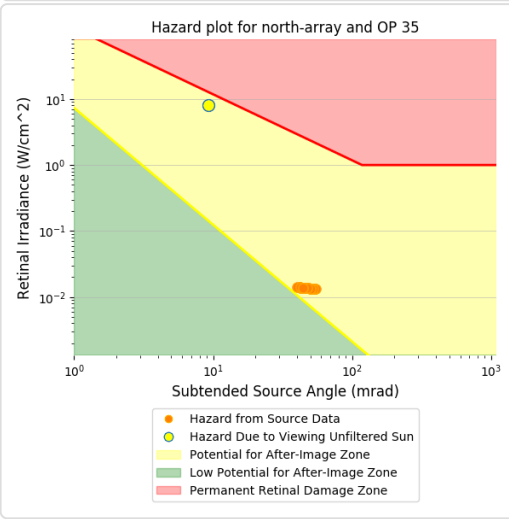
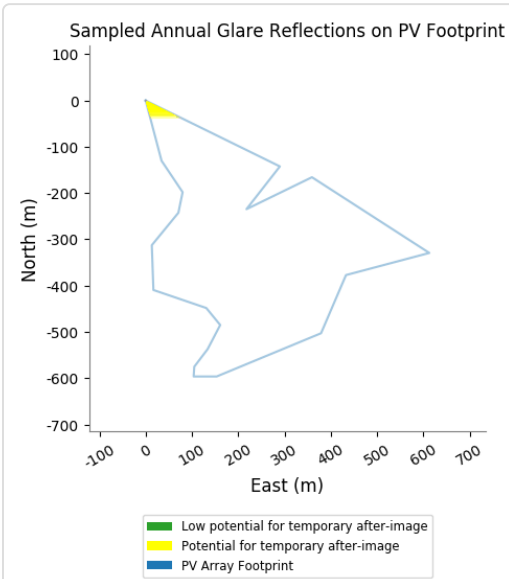
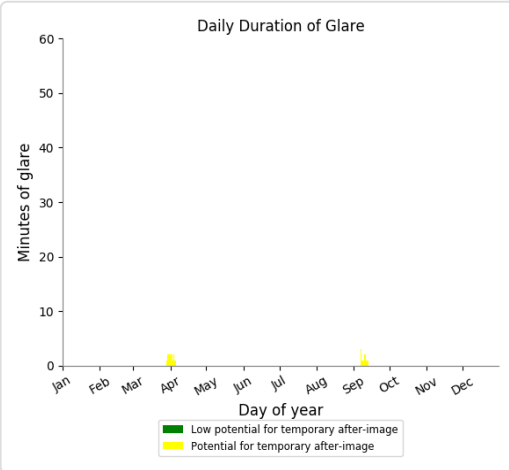
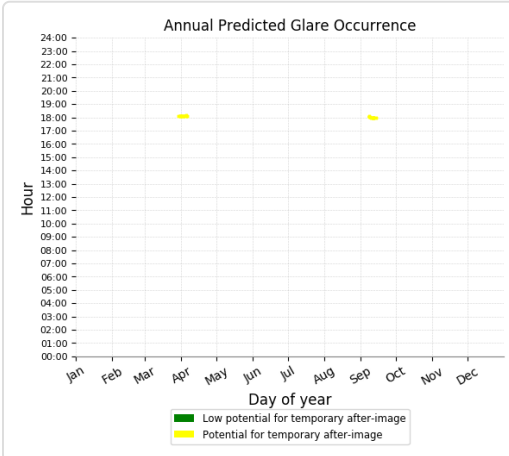
North Array - OP Receptor (OP 34)

No glare found

North Array - OP Receptor (OP 35)

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

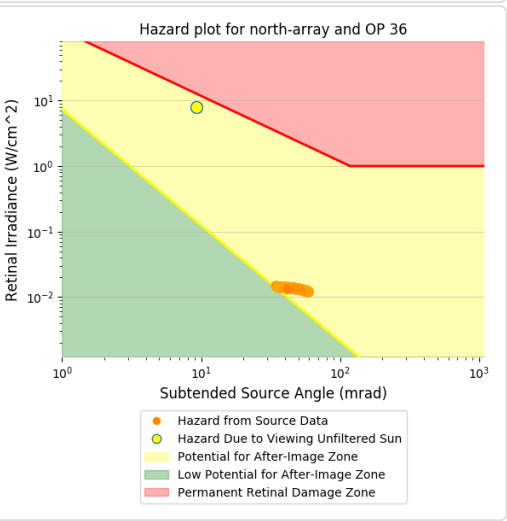
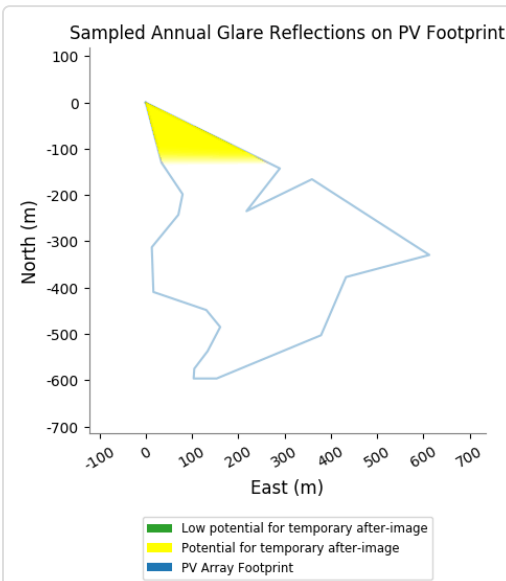
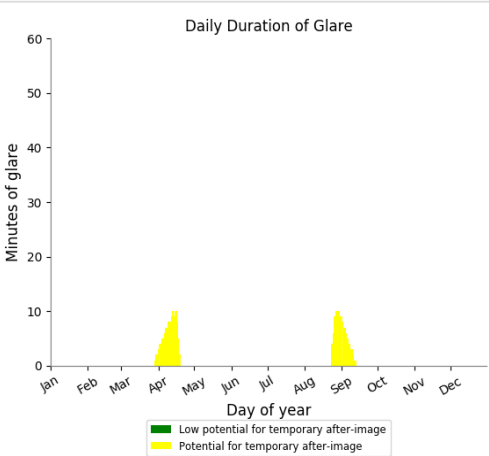
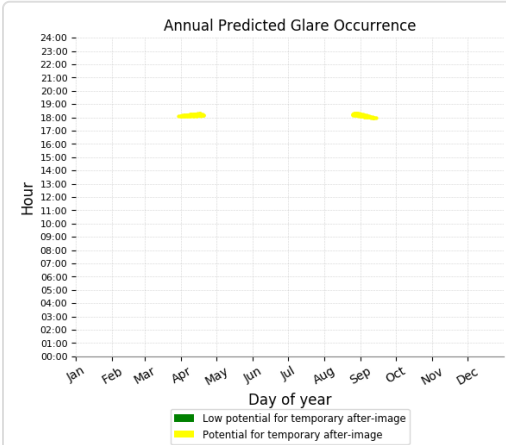
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 24 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 36)

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

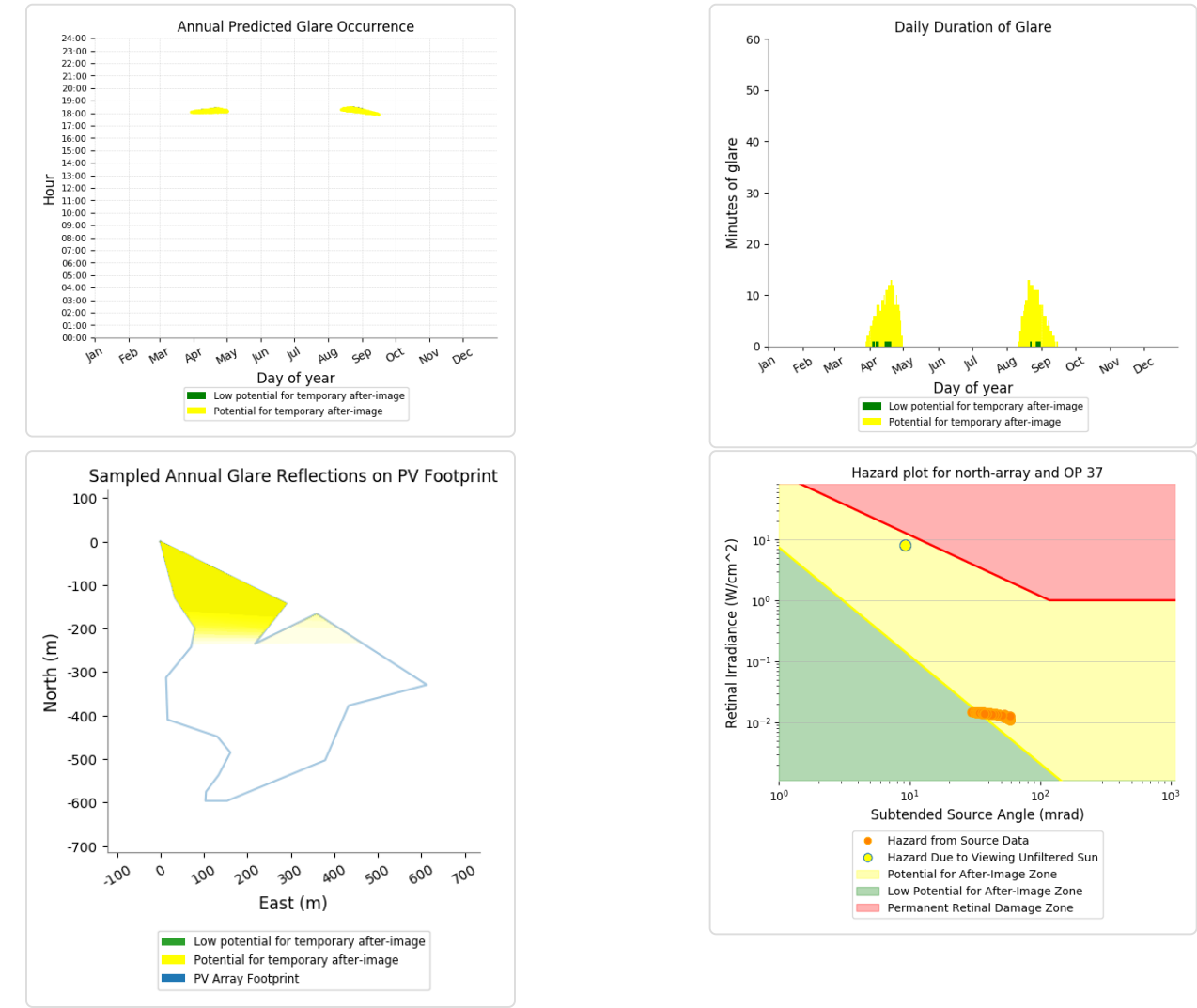
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 261 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 37)

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

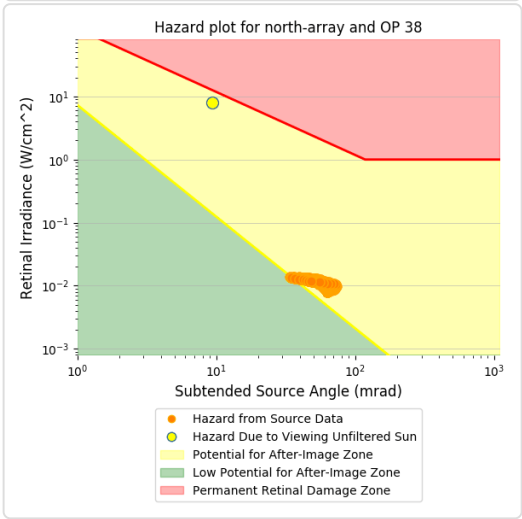
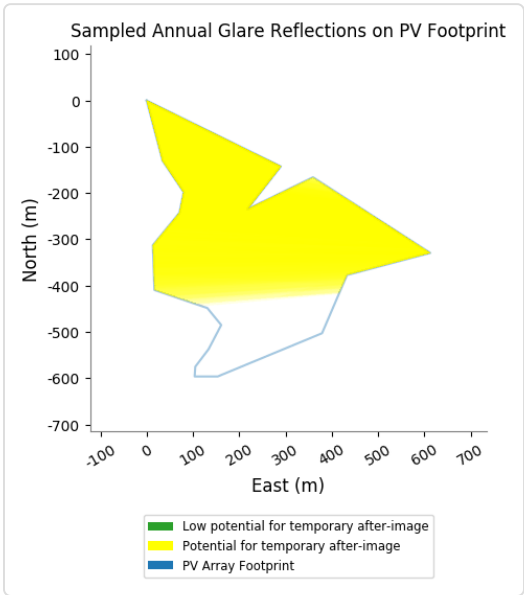
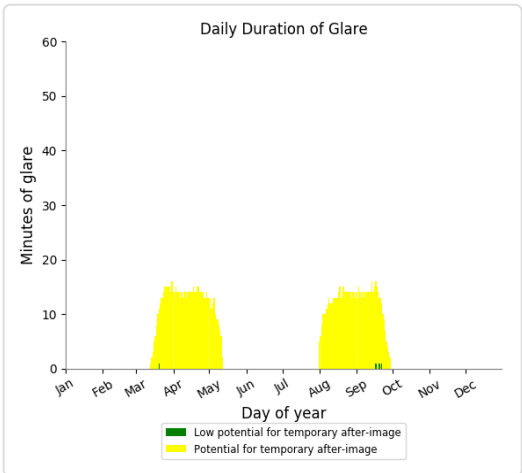
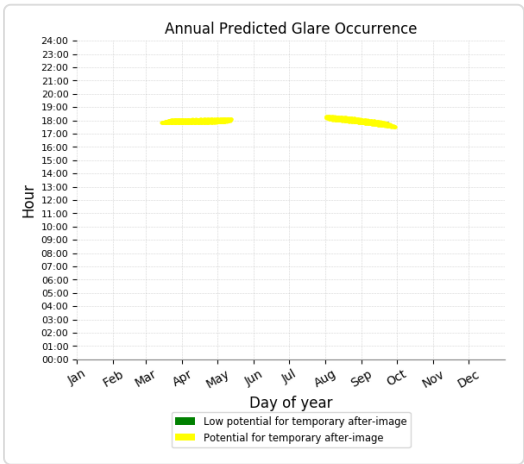
- 18 minutes of "green" glare with low potential to cause temporary after-image.
- 472 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 38)

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

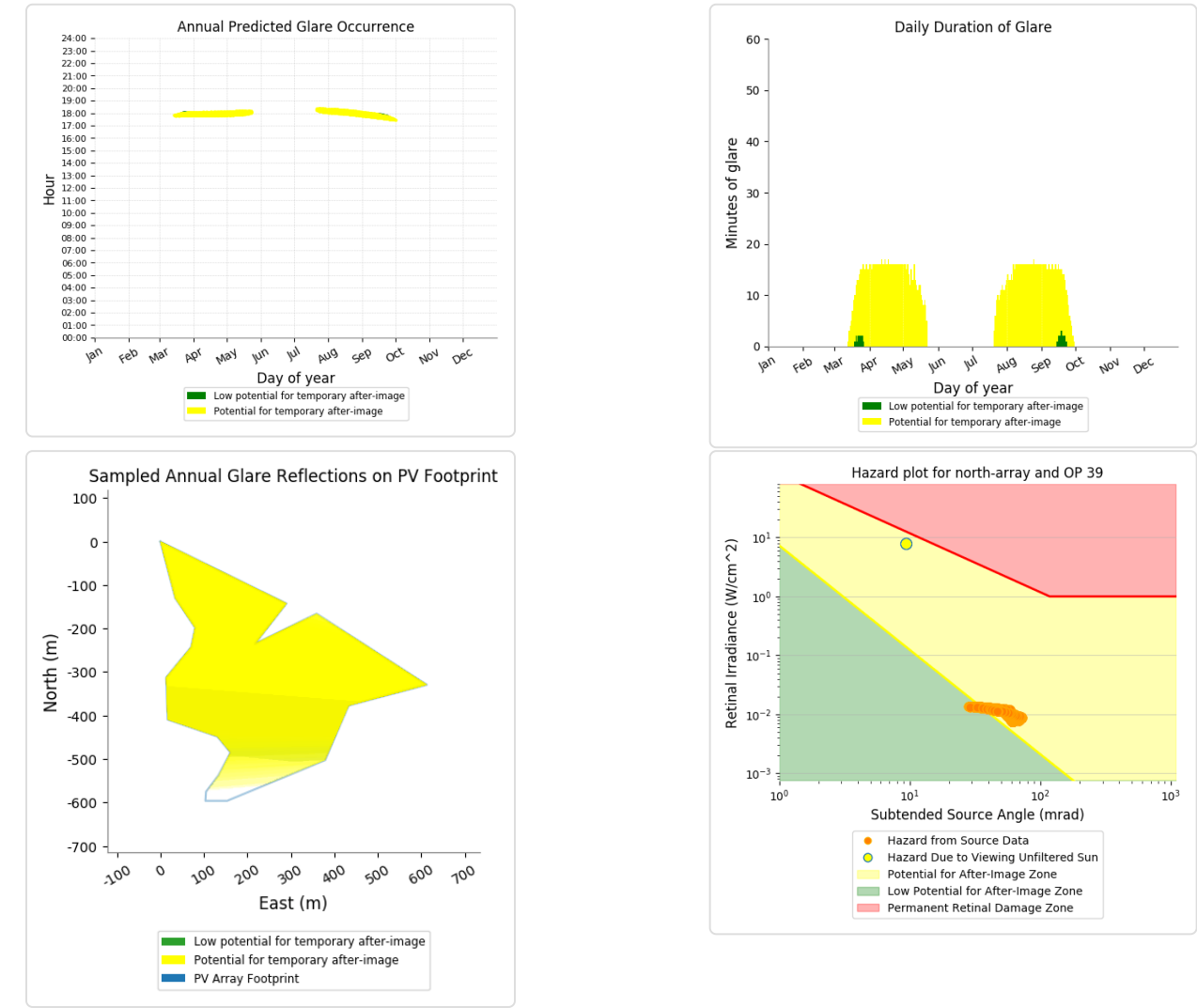
- 4 minutes of "green" glare with low potential to cause temporary after-image.
- 1,459 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 39)

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

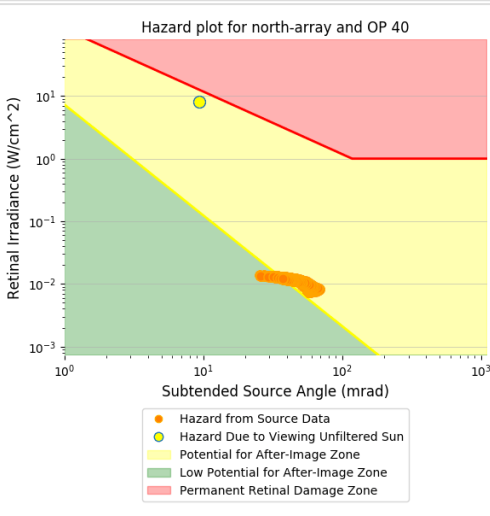
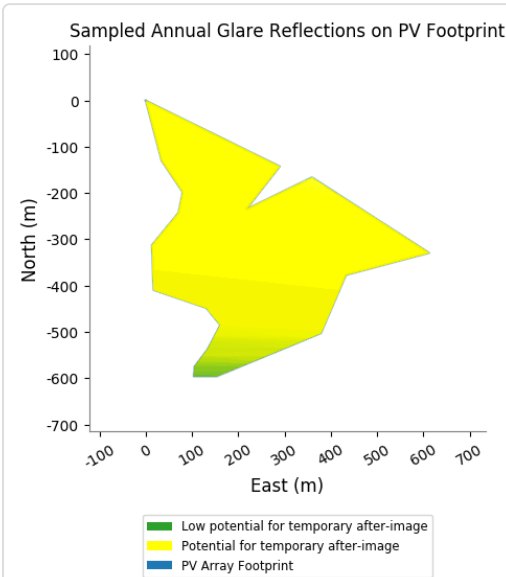
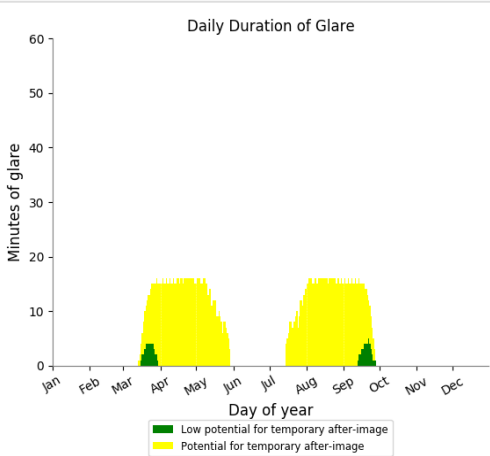
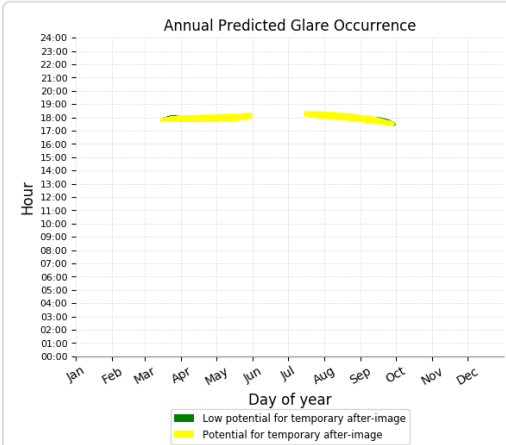
- 33 minutes of "green" glare with low potential to cause temporary after-image.
- 1,904 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 40)

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

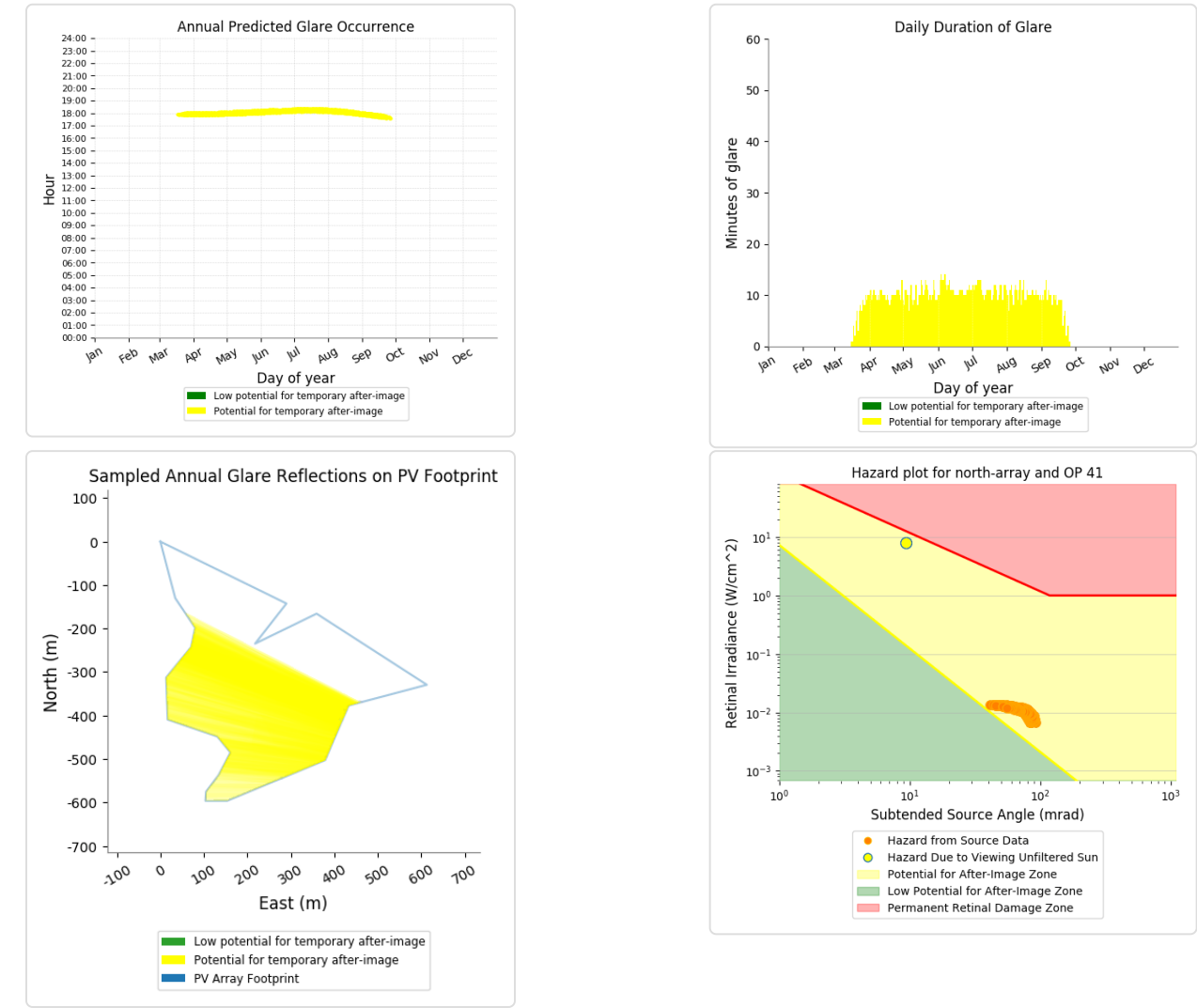
- 88 minutes of "green" glare with low potential to cause temporary after-image.
- 1,910 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 41)

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

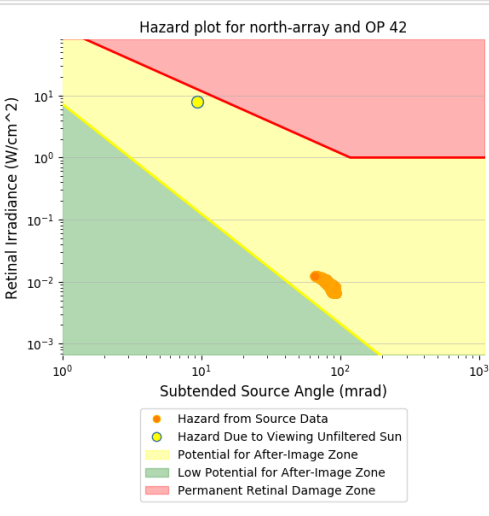
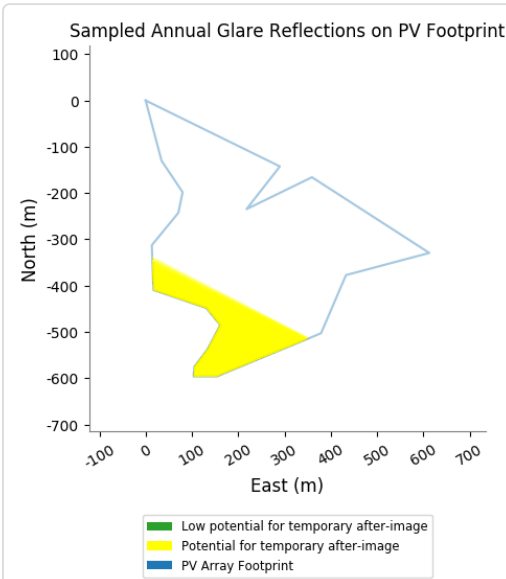
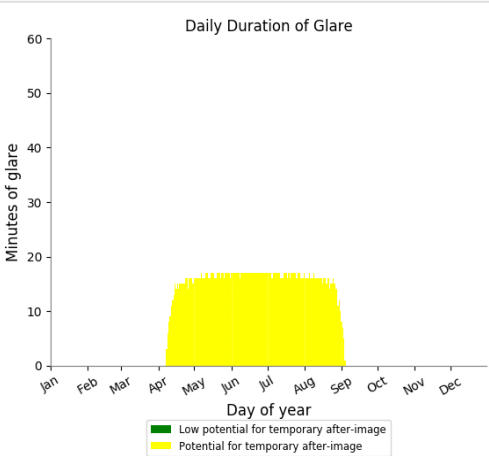
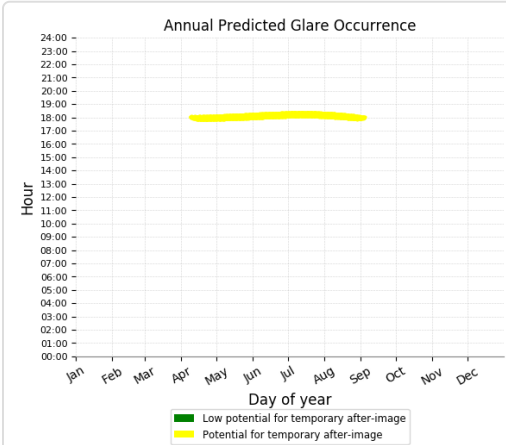
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,927 minutes of "yellow" glare with potential to cause temporary after-image.



North Array - OP Receptor (OP 42)

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

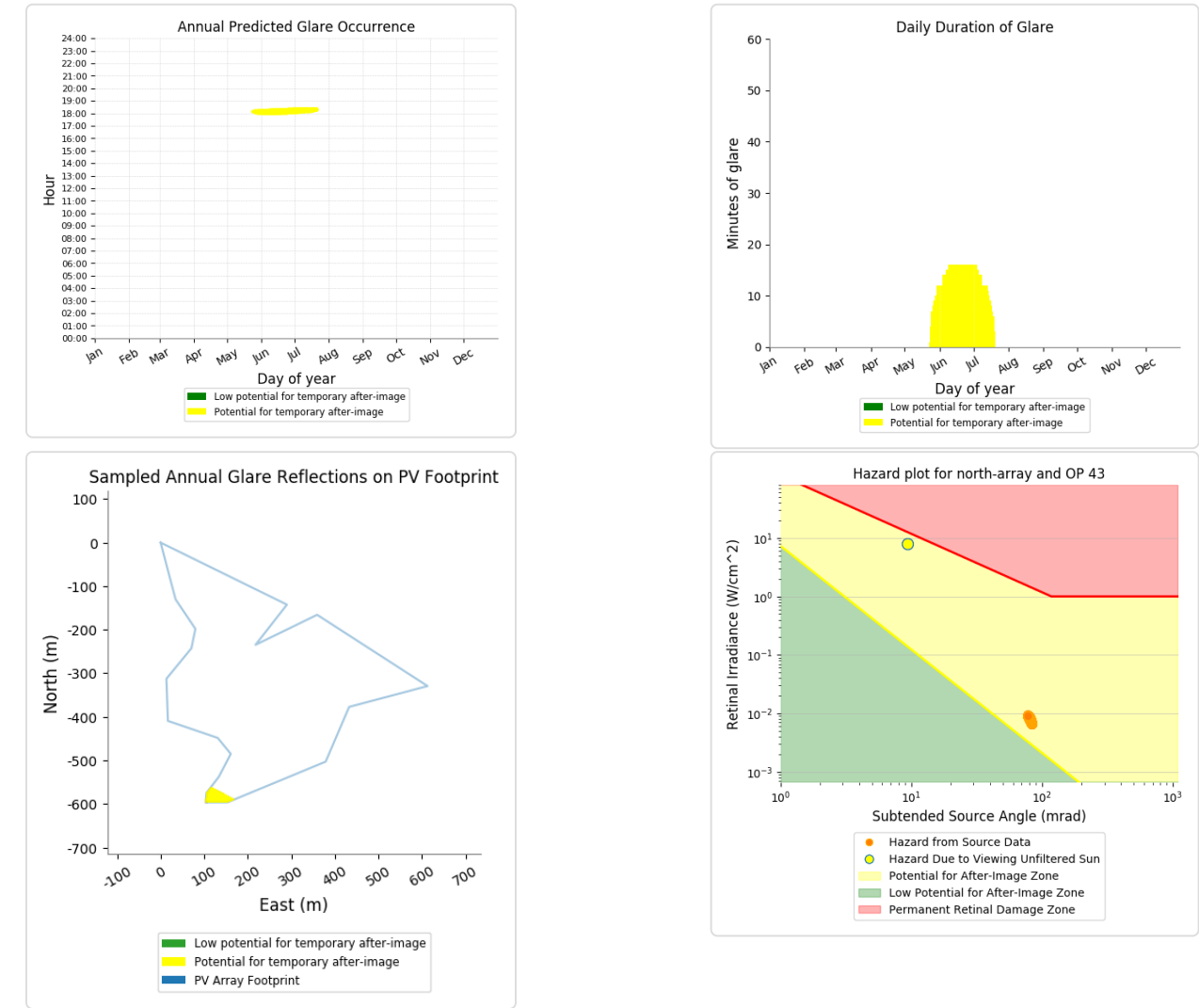
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,333 minutes of "yellow" glare with potential to cause temporary after-image.



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



North Array - OP Receptor (OP 44)

No glare found

North Array - OP Receptor (OP 45)

No glare found

North Array - OP Receptor (OP 46)

No glare found

North Array - OP Receptor (OP 47)

No glare found

North Array - OP Receptor (OP 48)

No glare found

North Array - OP Receptor (OP 49)

No glare found

North Array - OP Receptor (OP 50)

No glare found

North Array - OP Receptor (OP 51)

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	1
OP: OP 9	11	1546
OP: OP 10	0	2974
OP: OP 11	0	3031
OP: OP 12	0	2994
OP: OP 13	0	2832
OP: OP 14	0	0
OP: OP 15	0	914
OP: OP 16	0	1871
OP: OP 17	0	2415
OP: OP 18	8	2030
OP: OP 19	33	1723
OP: OP 20	55	1426
OP: OP 21	64	984
OP: OP 22	32	917
OP: OP 23	15	785
OP: OP 24	14	553
OP: OP 25	0	172
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	824
OP: OP 44	0	6865
OP: OP 45	0	2145
OP: OP 46	0	2947
OP: OP 47	0	15029
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0

OP: OP 51	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

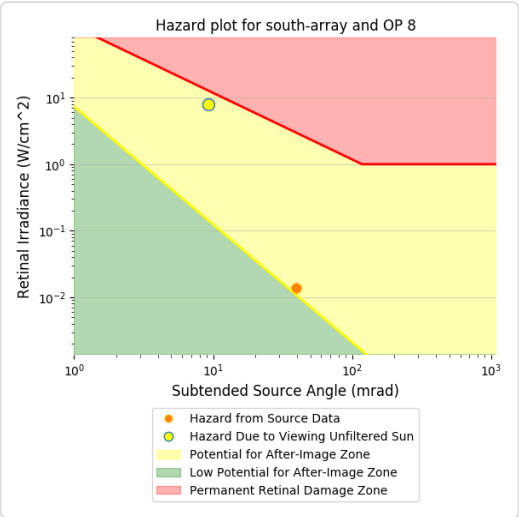
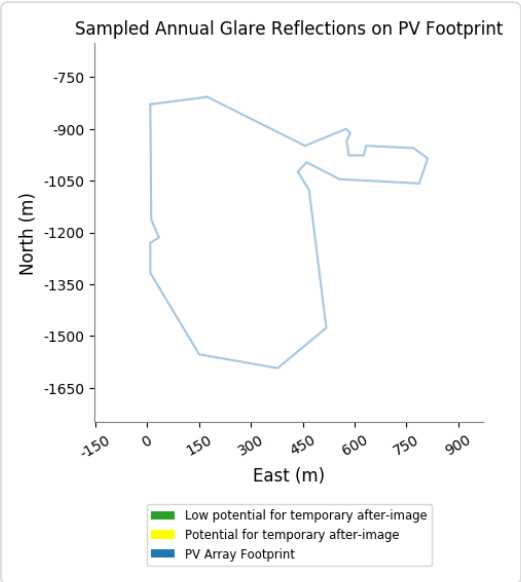
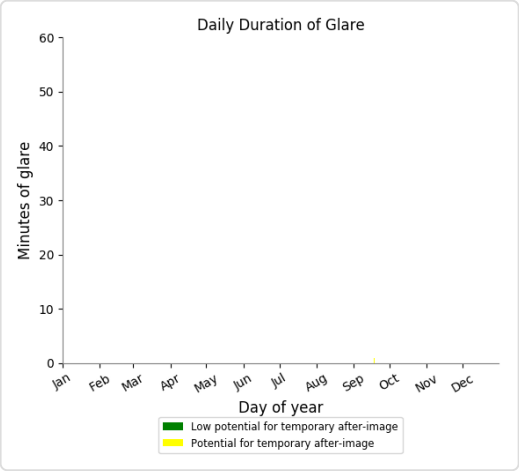
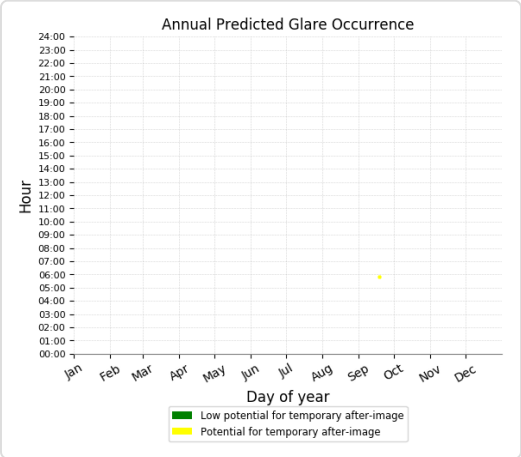
South Array - OP Receptor (OP 5)
No glare found

South Array - OP Receptor (OP 6)
No glare found

South Array - OP Receptor (OP 7)
No glare found

South Array - OP Receptor (OP 8)

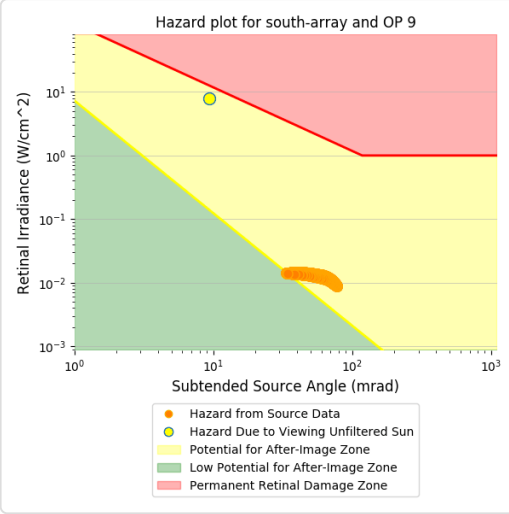
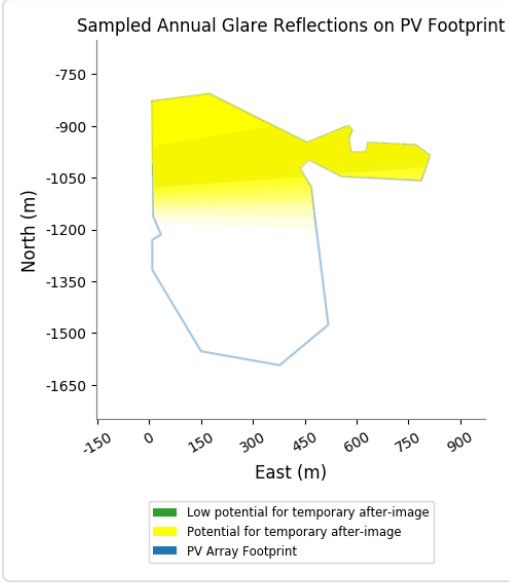
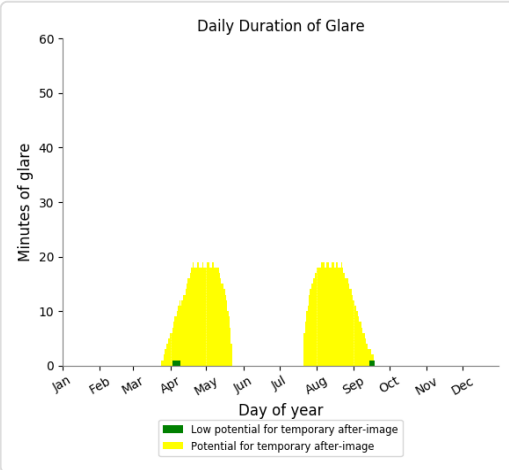
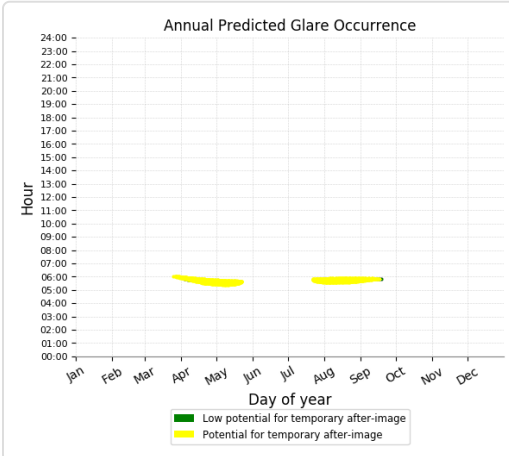
- PV array is expected to produce the following glare for receptors at this location:
- 0 minutes of "green" glare with low potential to cause temporary after-image.
 - 1 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 9)

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

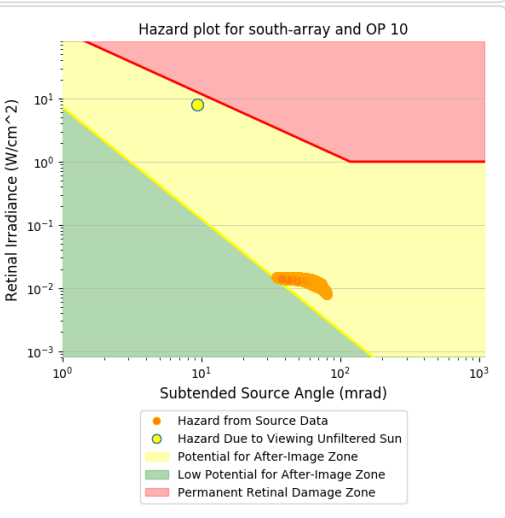
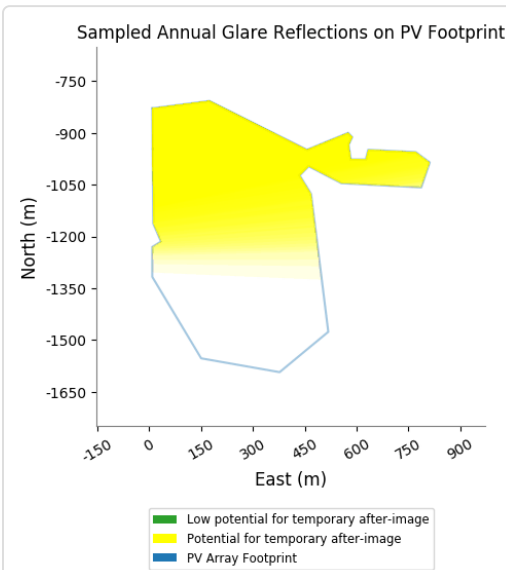
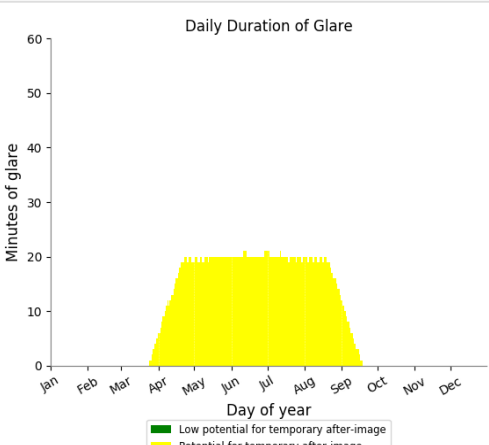
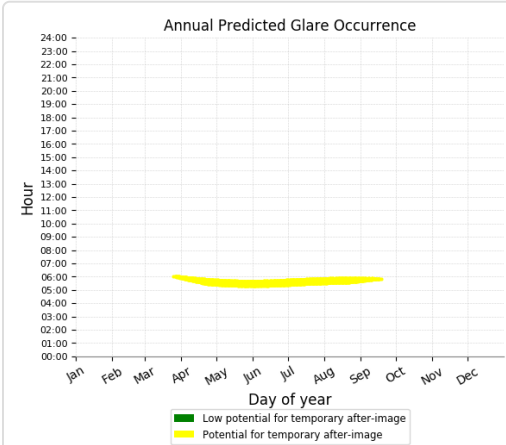
- 11 minutes of "green" glare with low potential to cause temporary after-image.
- 1,546 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 10)

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

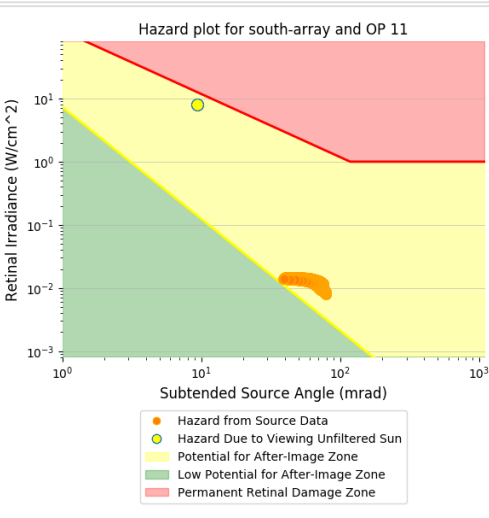
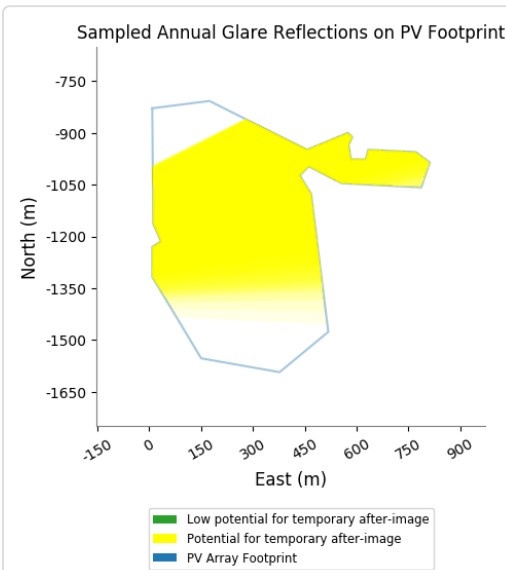
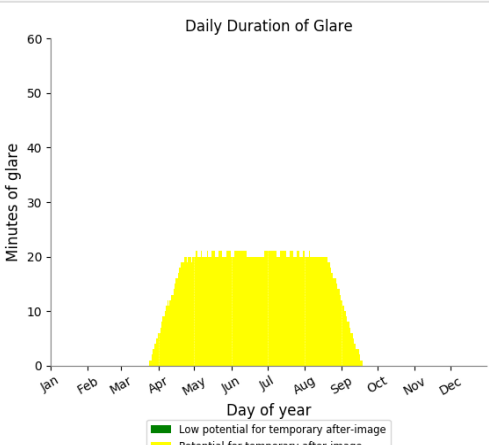
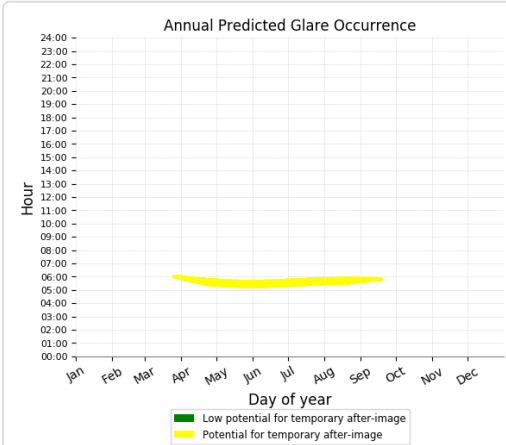
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,974 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 11)

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

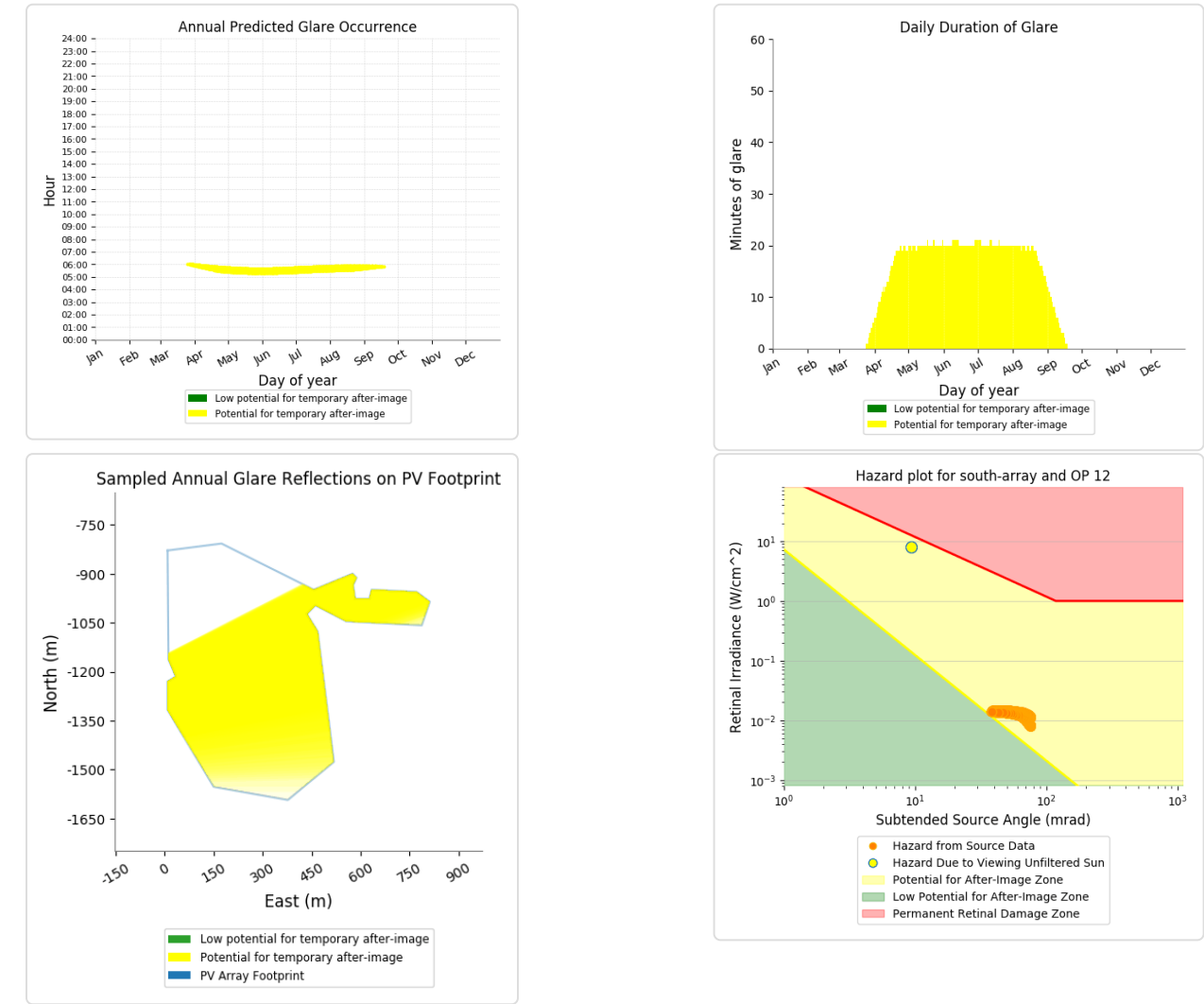
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 3,031 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 12)

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

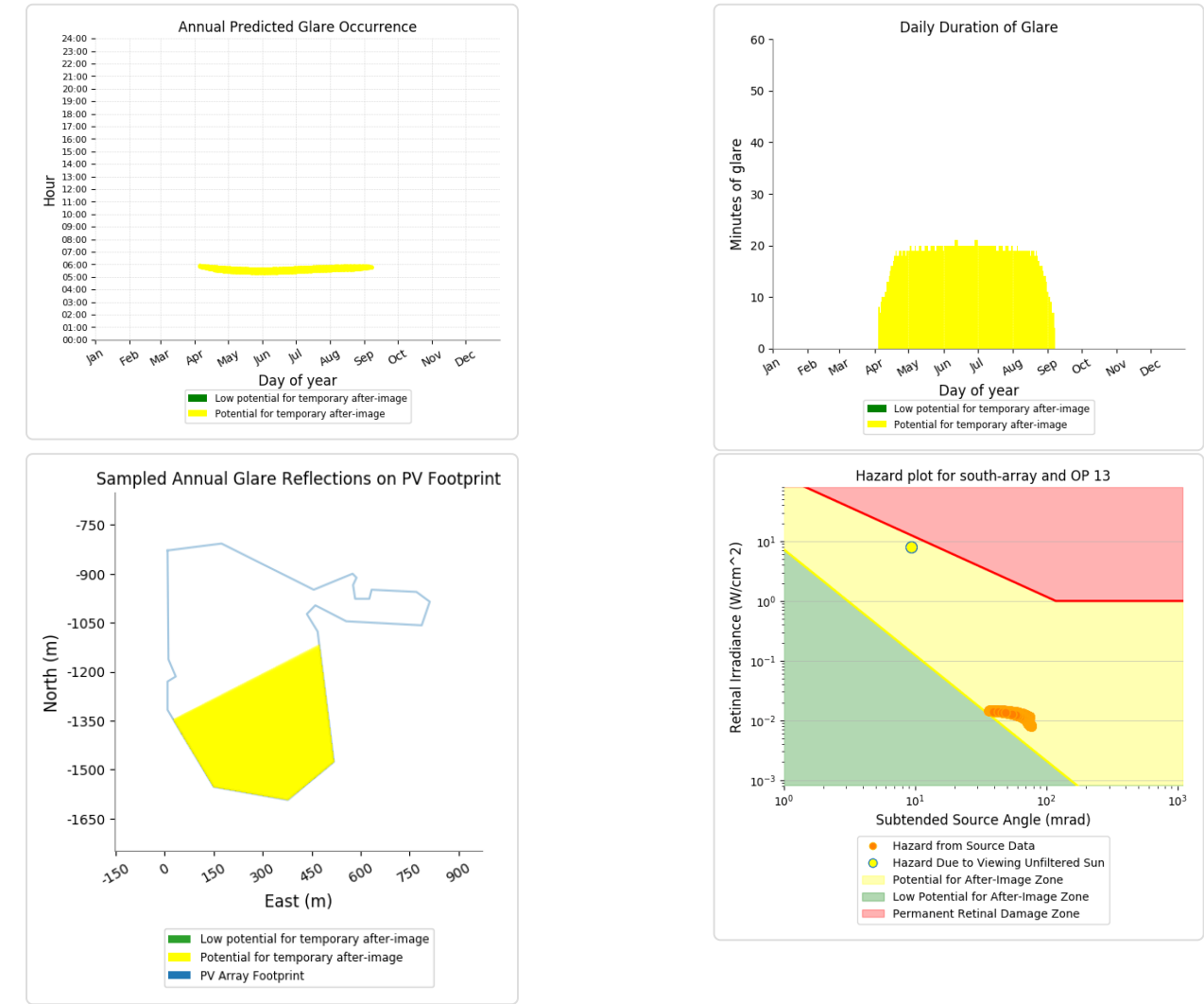
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,994 minutes of "yellow" glare with potential to cause temporary after-image.



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.
- 2,832 minutes of "yellow" glare with potential to cause temporary after-image.



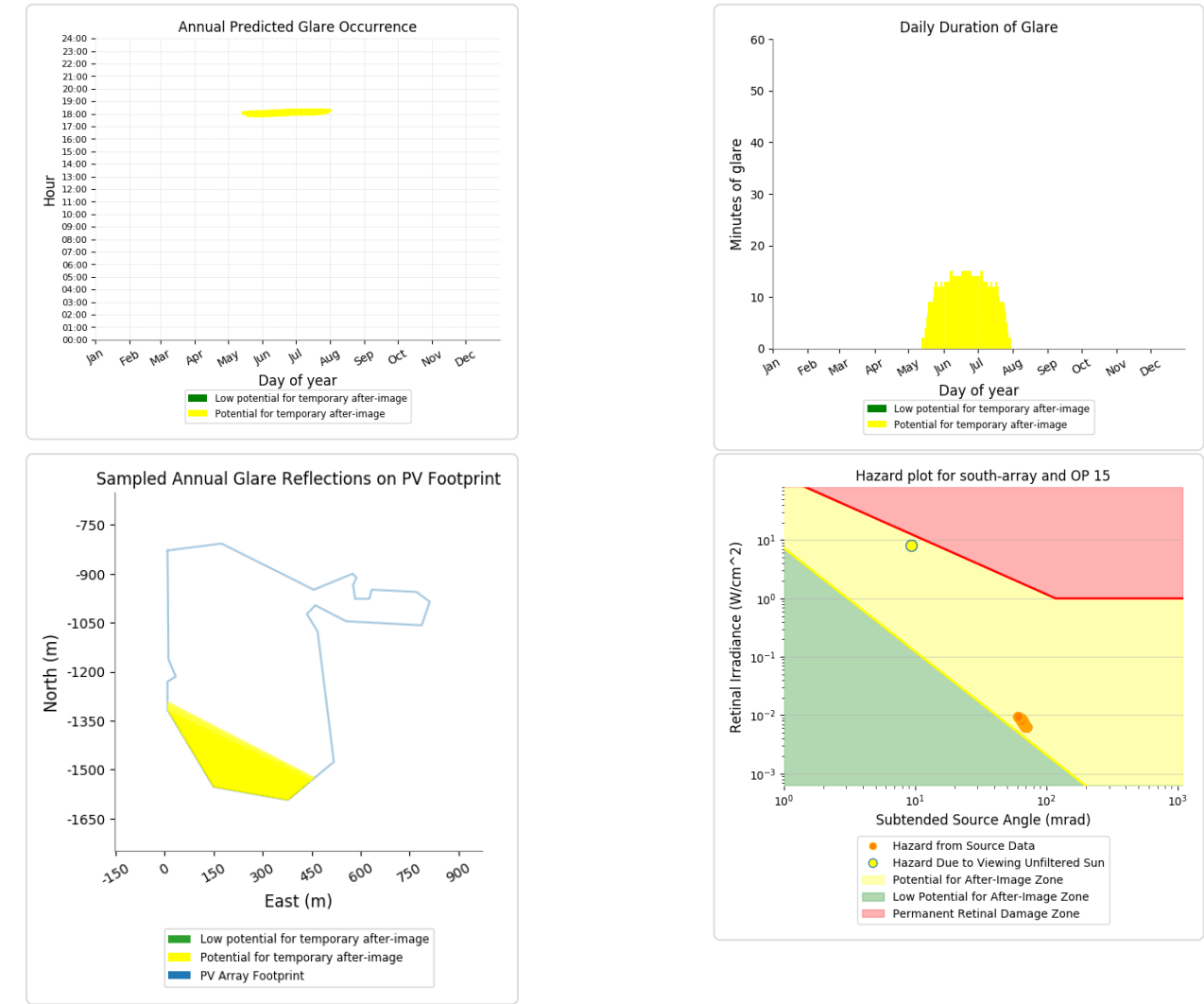
South Array - OP Receptor (OP 14)

No glare found

South Array - OP Receptor (OP 15)

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

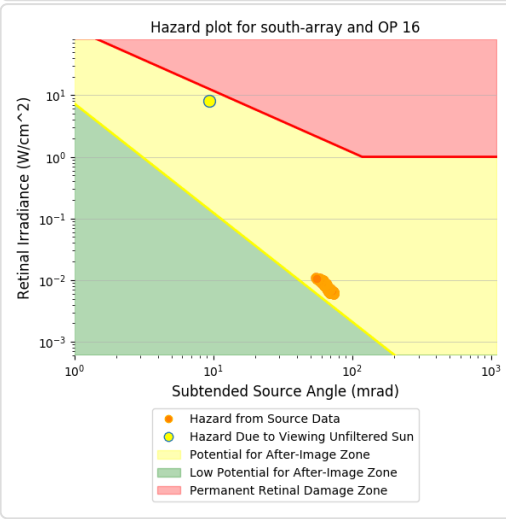
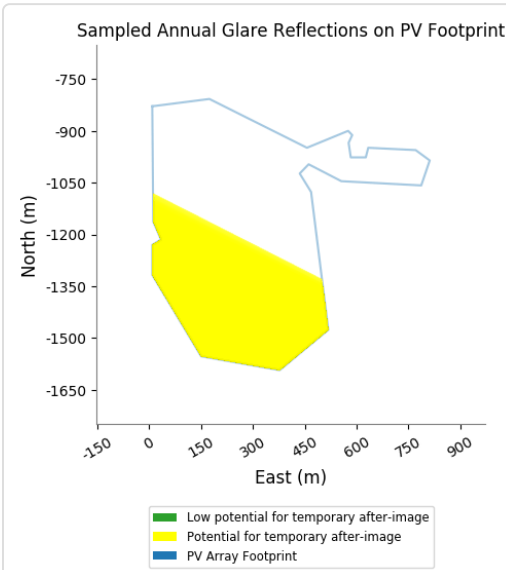
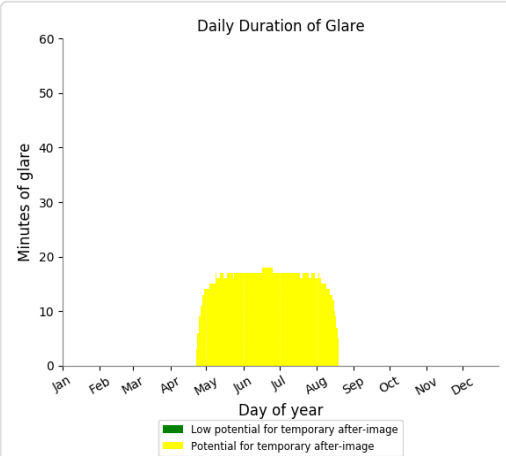
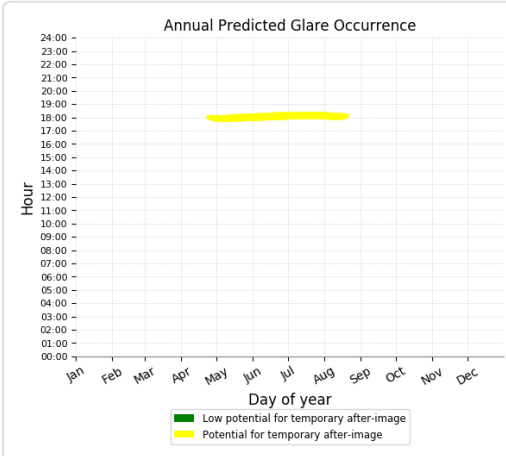
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 914 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 16)

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

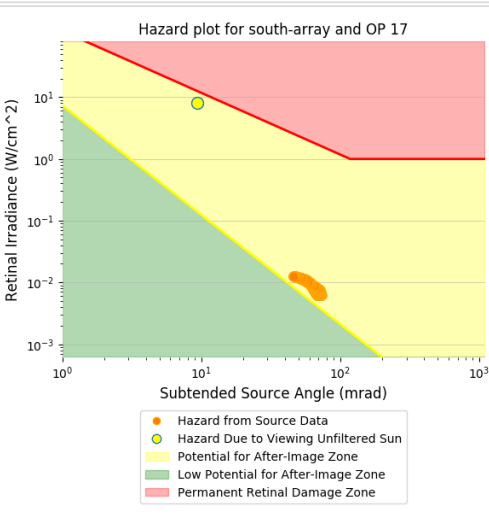
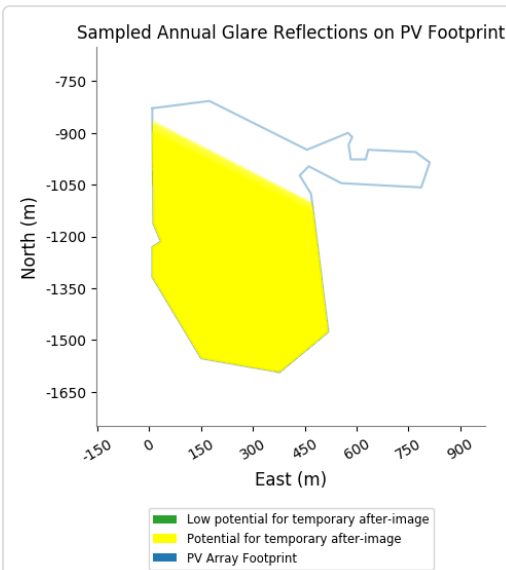
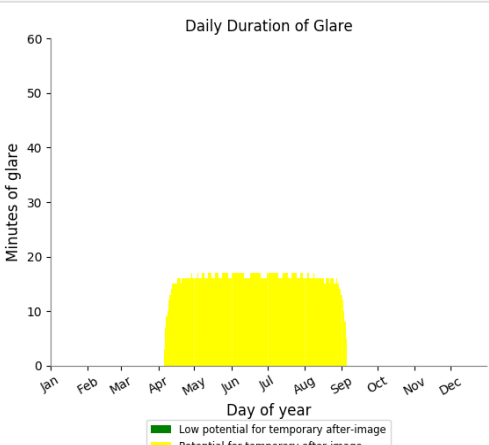
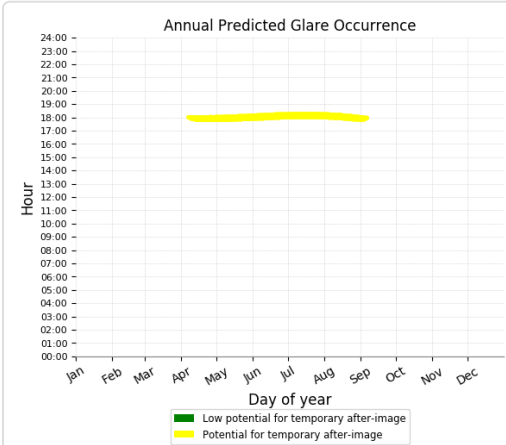
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 1,871 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 17)

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

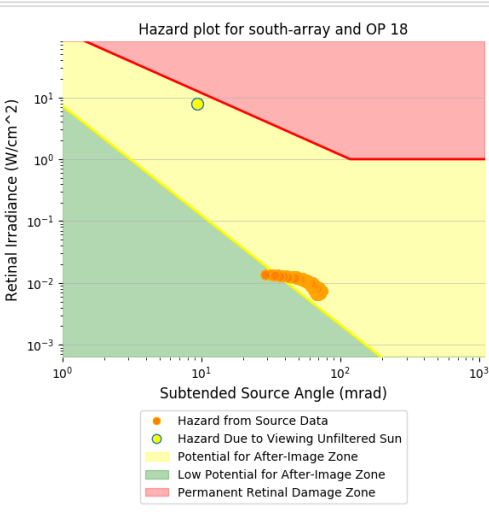
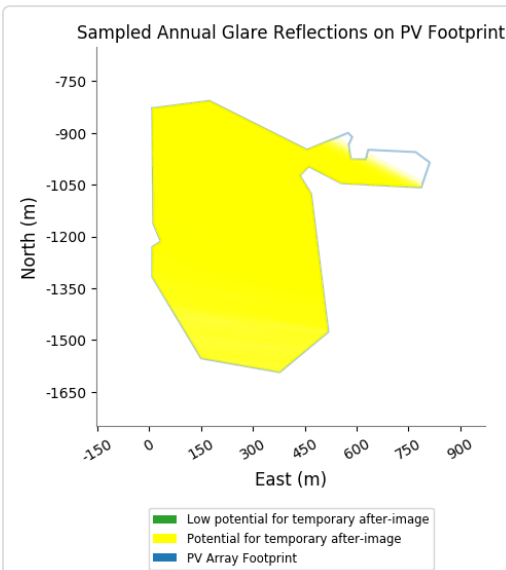
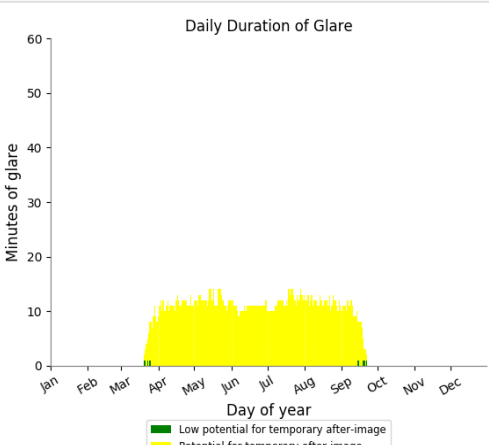
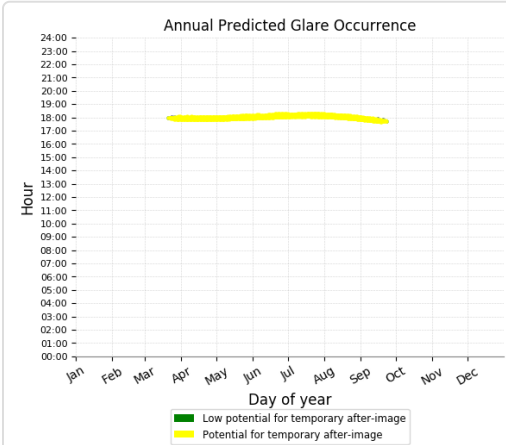
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,415 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 18)

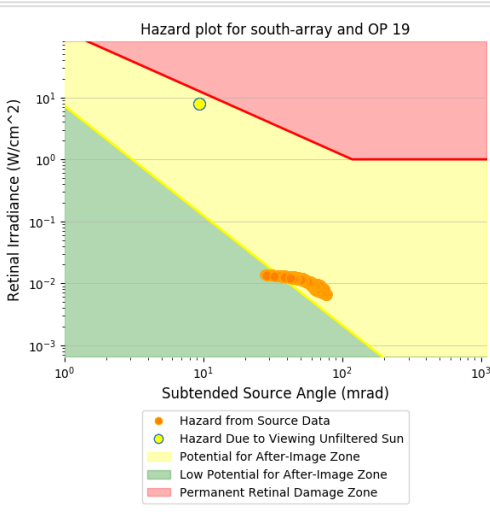
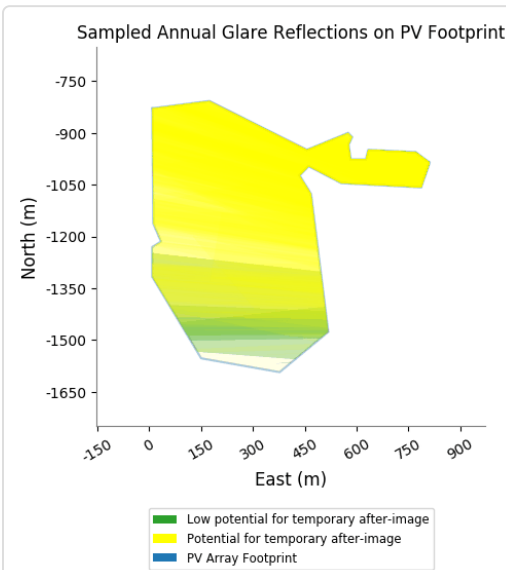
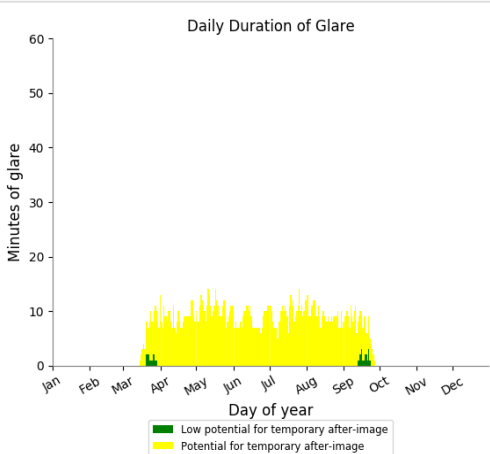
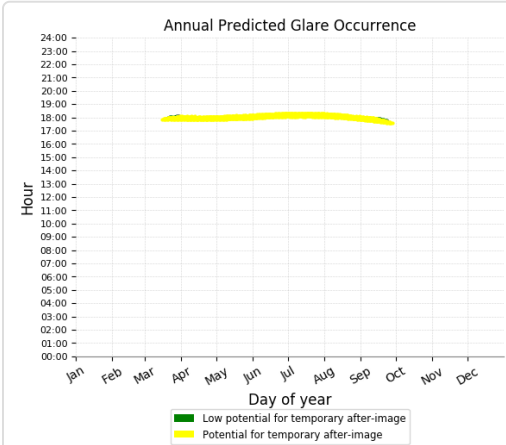
PV array is expected to produce the following glare for receptors at this location:

- 8 minutes of "green" glare with low potential to cause temporary after-image.
- 2,030 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 19)

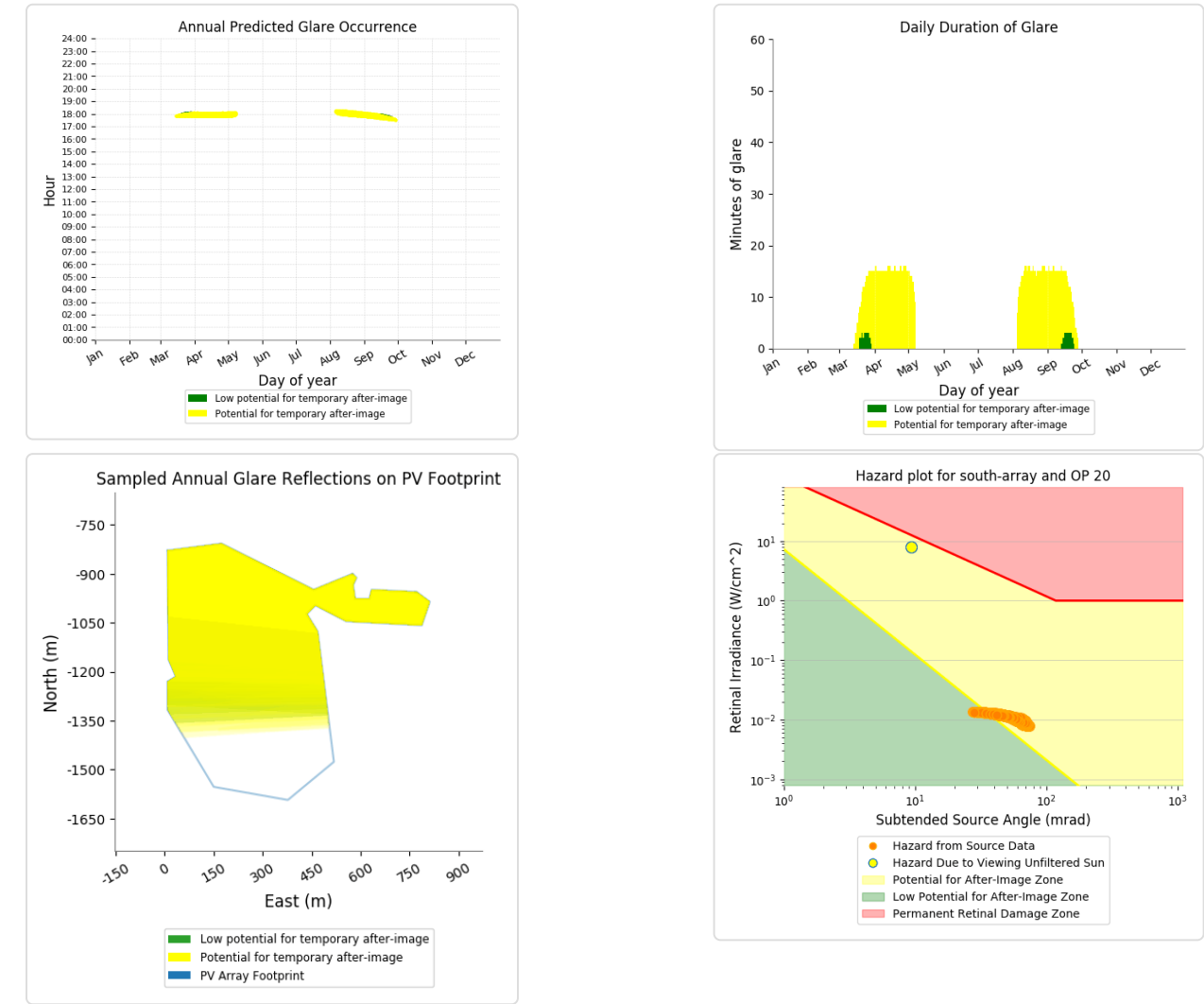
- PV array is expected to produce the following glare for receptors at this location:
- 33 minutes of "green" glare with low potential to cause temporary after-image.
 - 1,723 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 20)

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

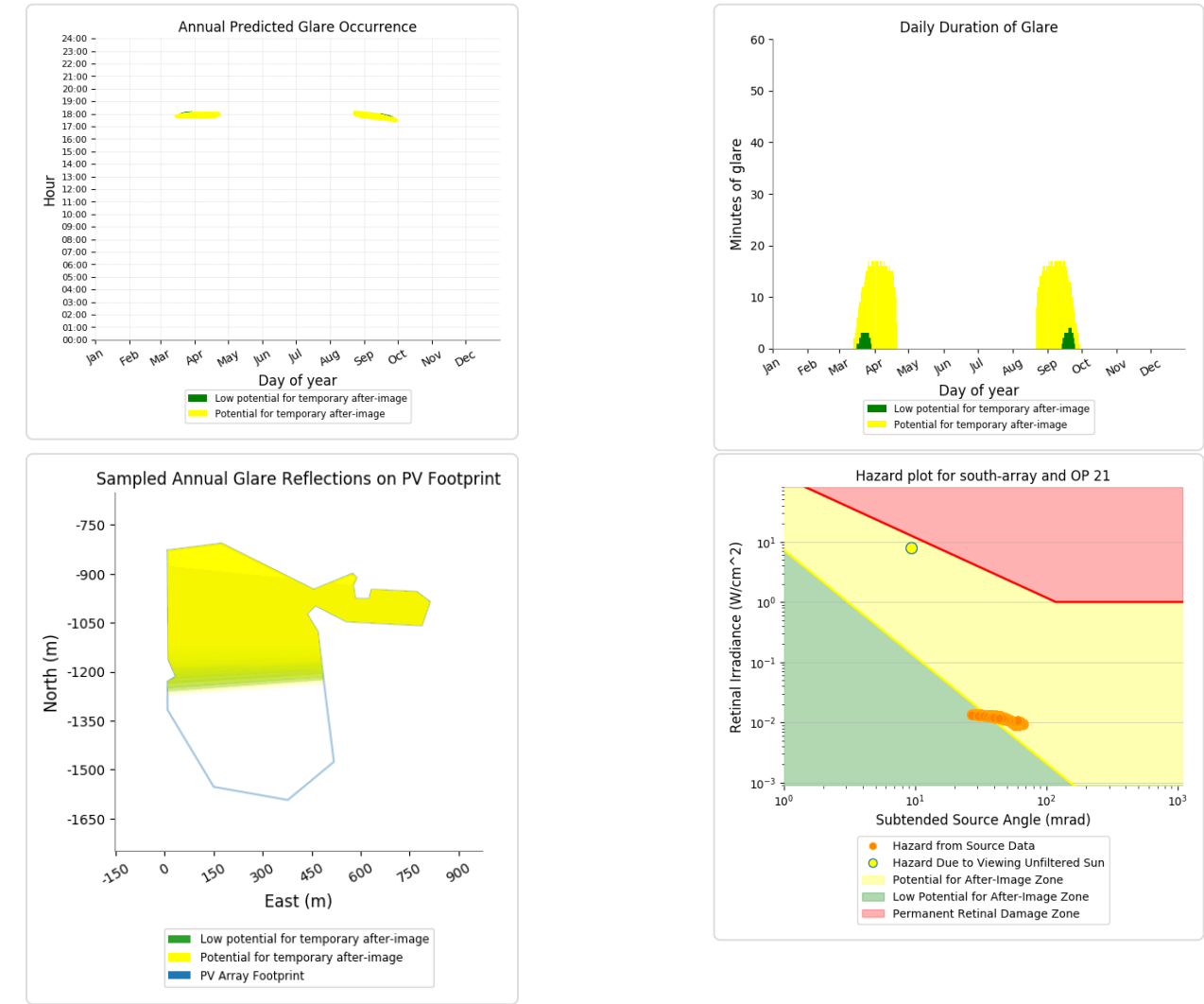
- 55 minutes of "green" glare with low potential to cause temporary after-image.
- 1,426 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 21)

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

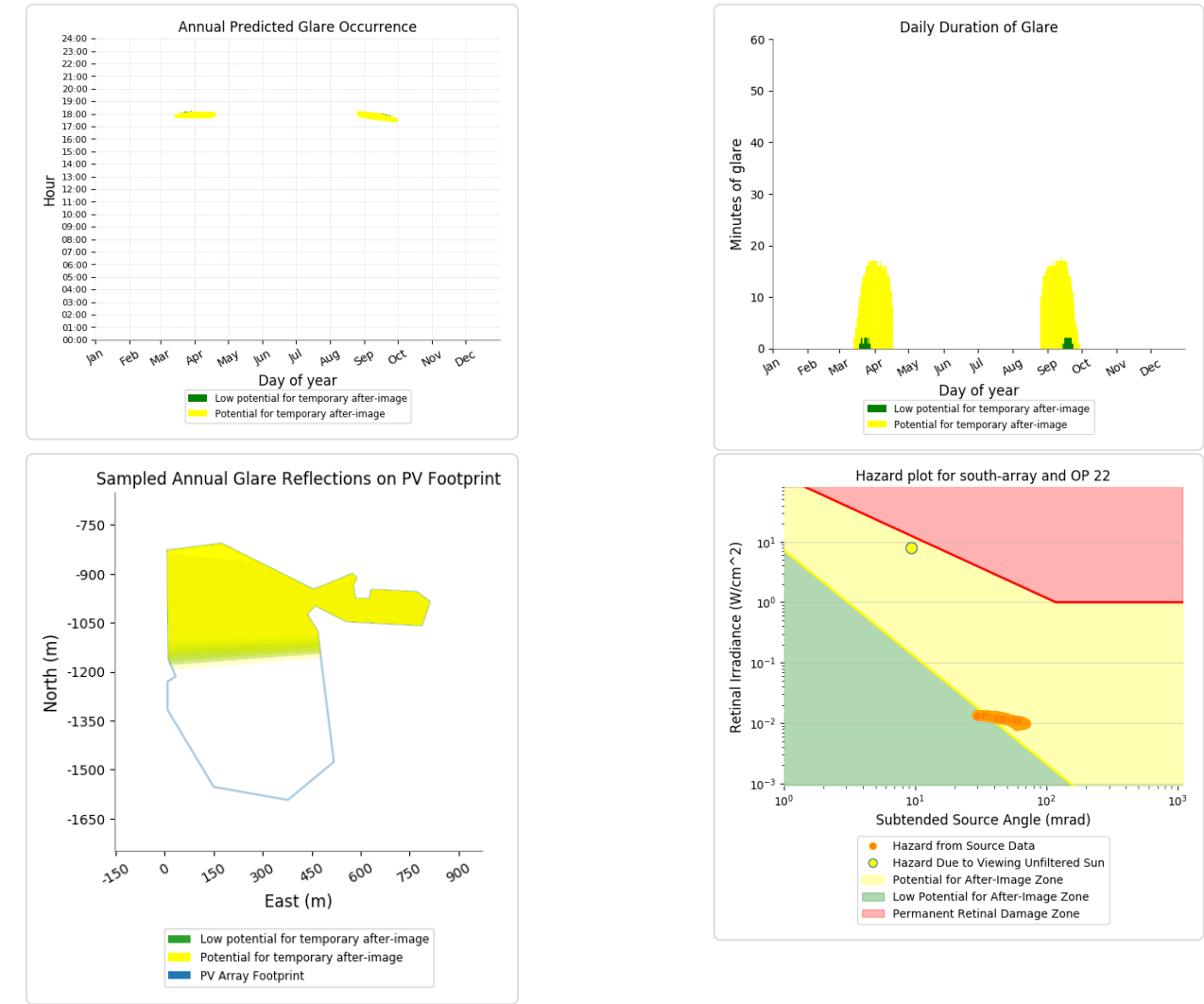
- 64 minutes of "green" glare with low potential to cause temporary after-image.
- 984 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 22)

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

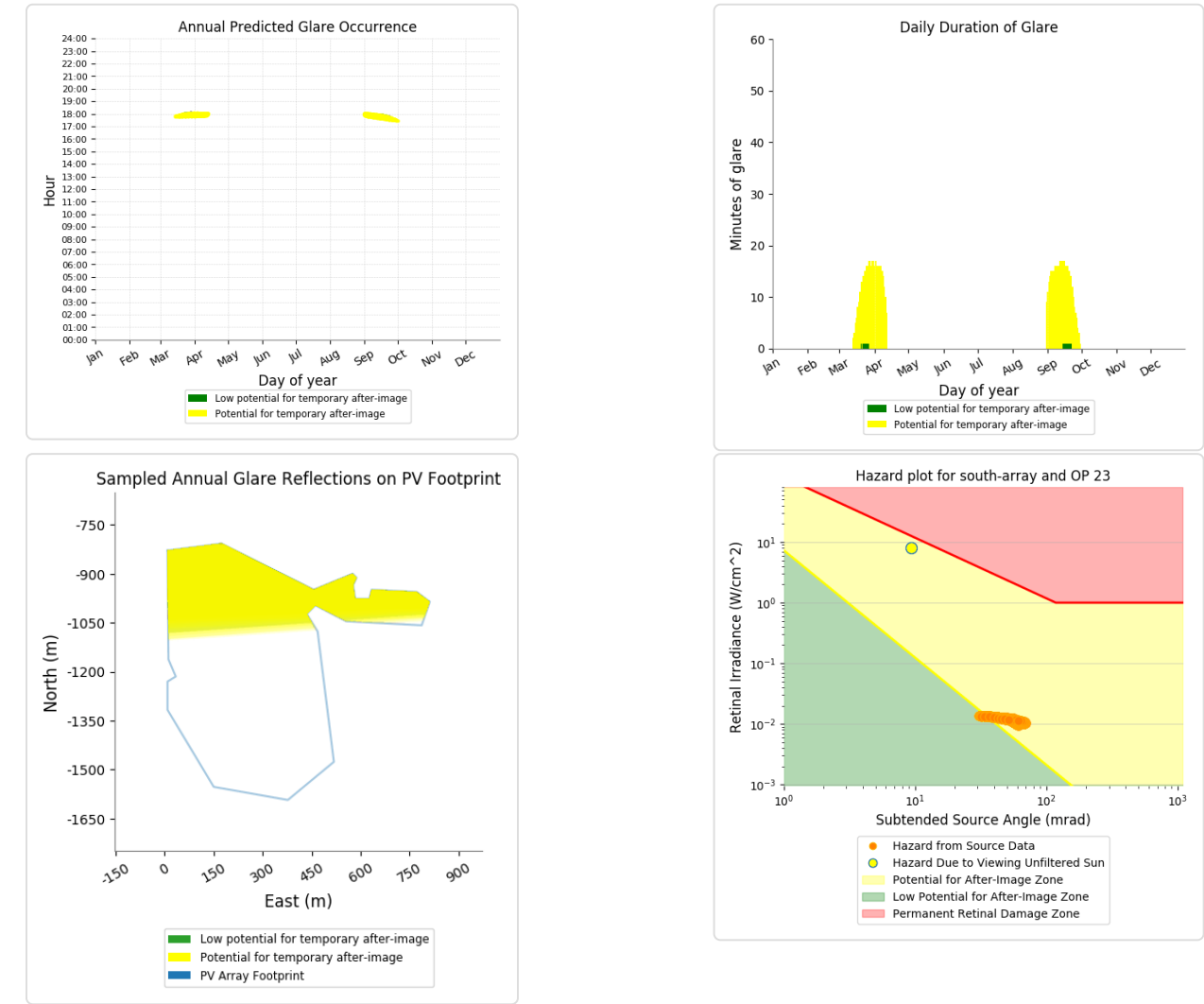
- 32 minutes of "green" glare with low potential to cause temporary after-image.
- 917 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 23)

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

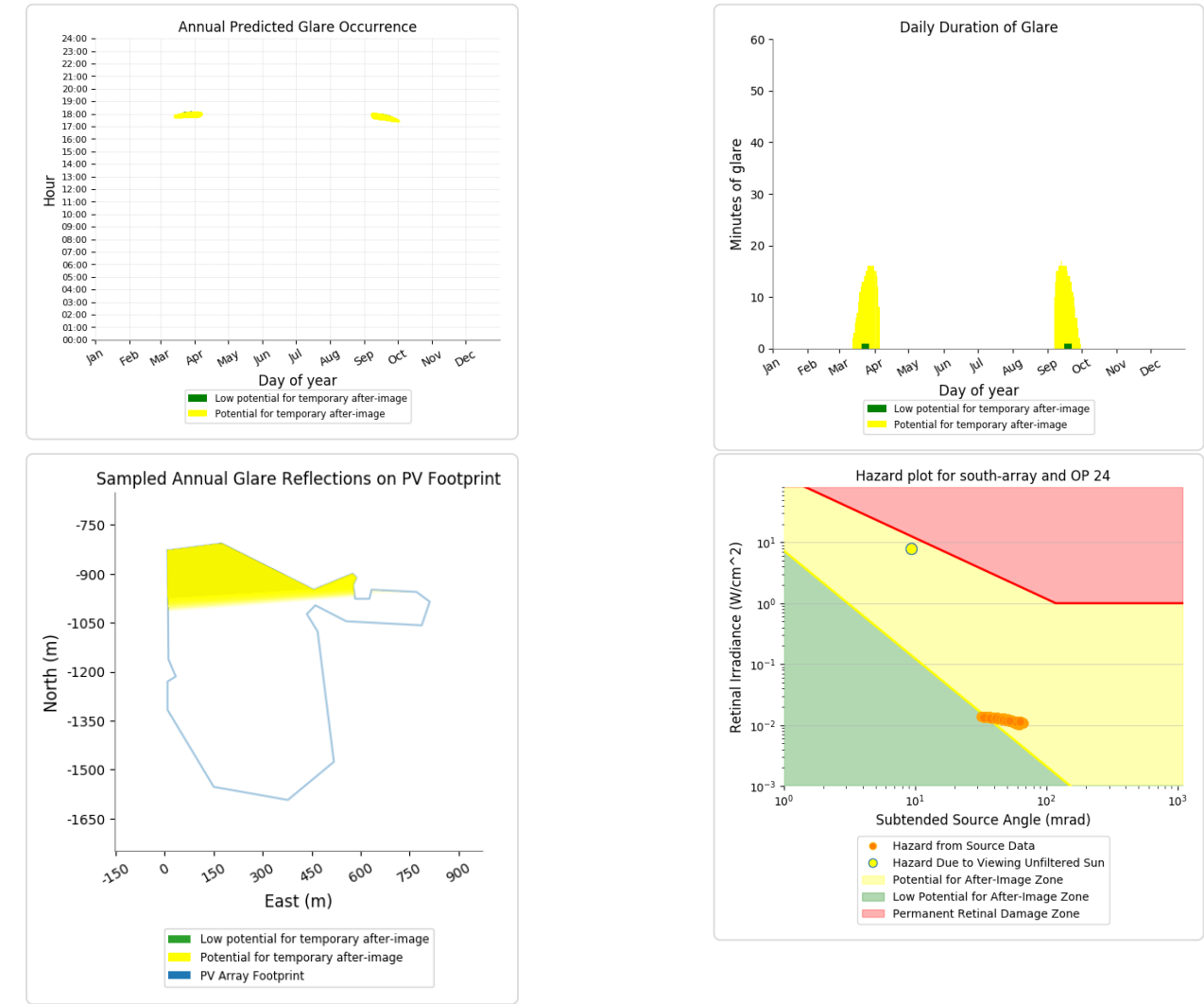
- 15 minutes of "green" glare with low potential to cause temporary after-image.
- 785 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 24)

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

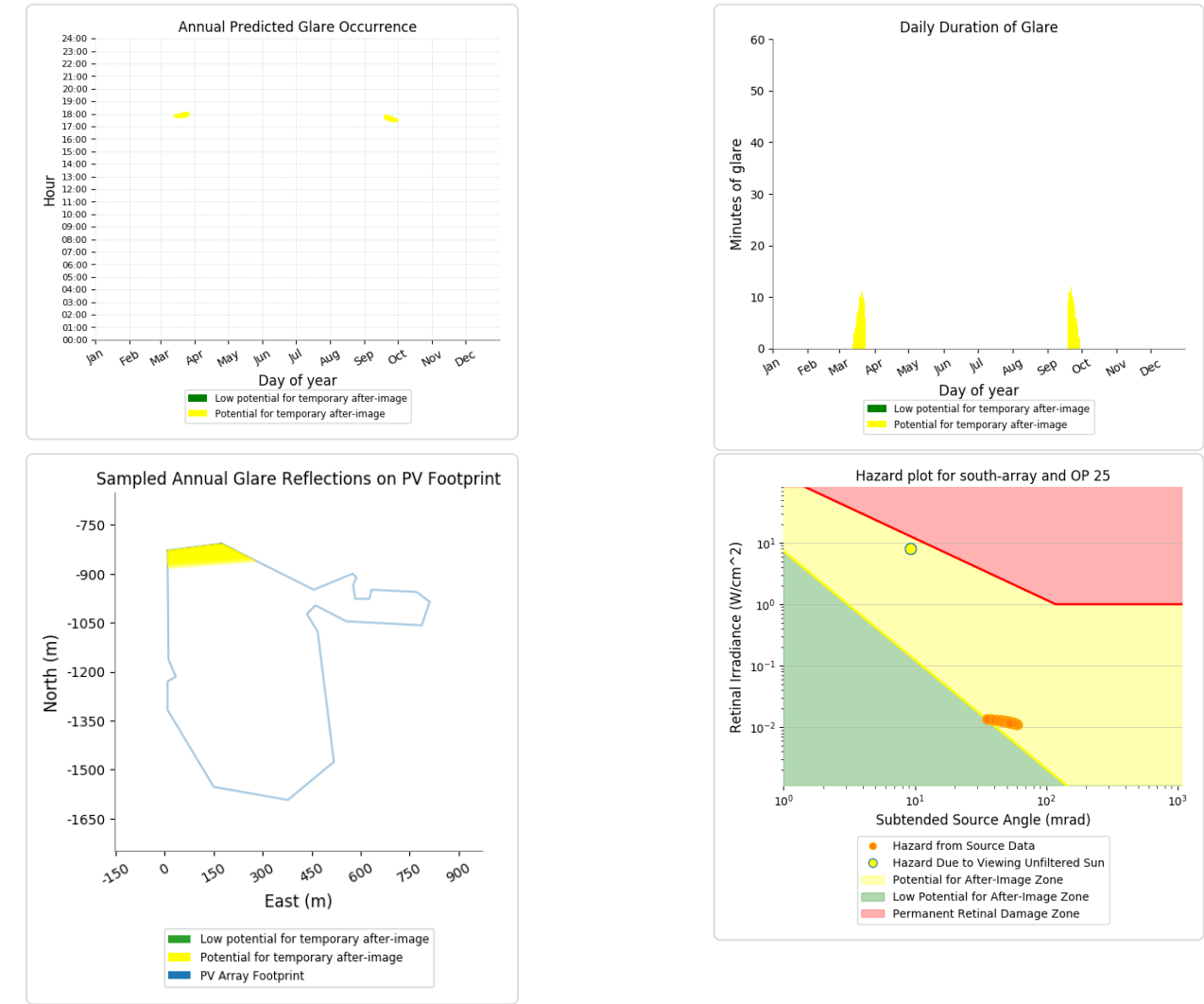
- 14 minutes of "green" glare with low potential to cause temporary after-image.
- 553 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 25)

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

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



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

South Array - OP Receptor (OP 37)

No glare found

South Array - OP Receptor (OP 38)

No glare found

South Array - OP Receptor (OP 39)

No glare found

South Array - OP Receptor (OP 40)

No glare found

South Array - OP Receptor (OP 41)

No glare found

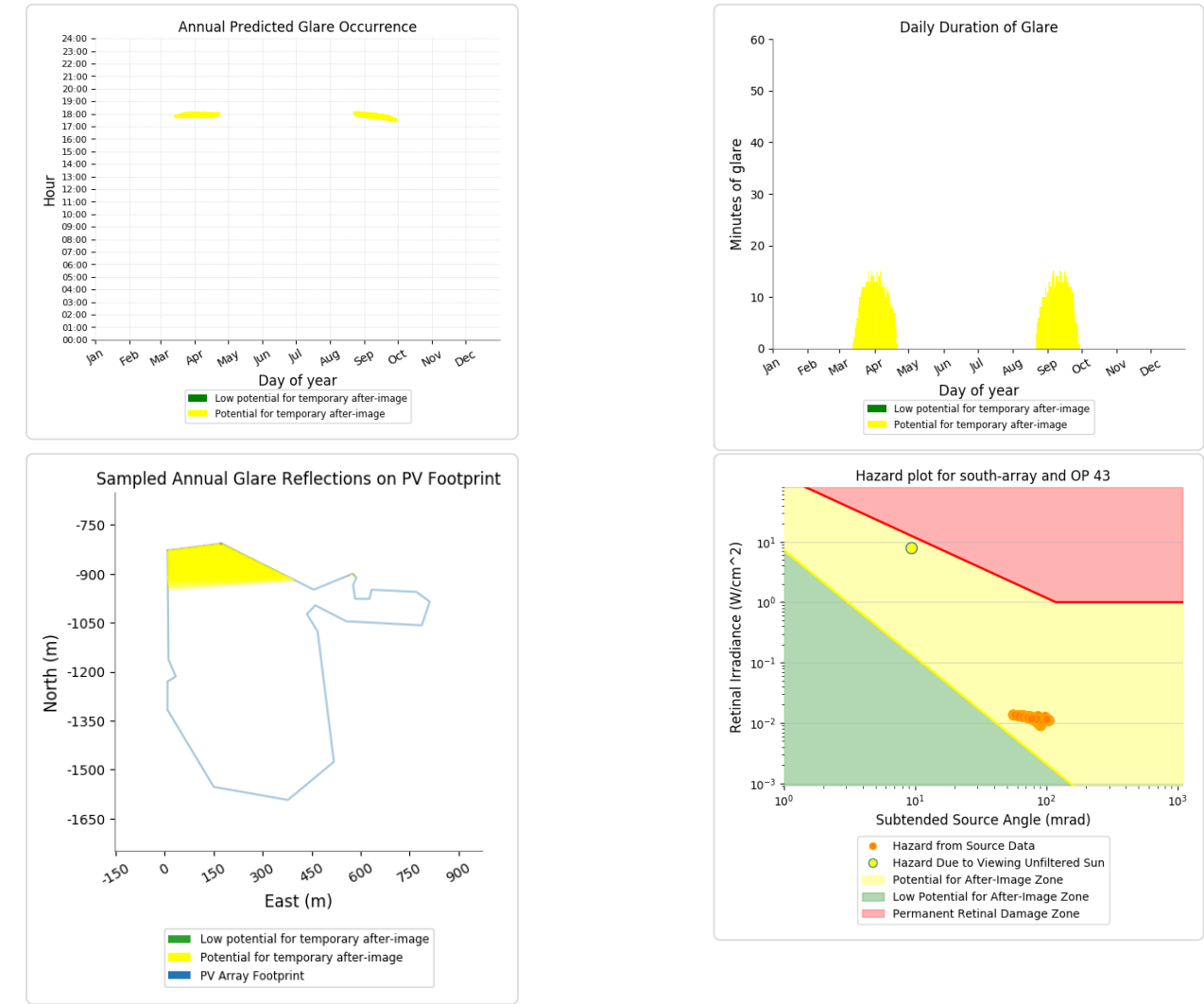
South Array - OP Receptor (OP 42)

No glare found

South Array - OP Receptor (OP 43)

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

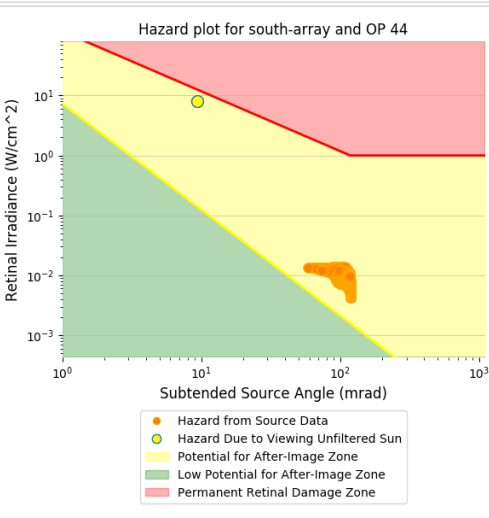
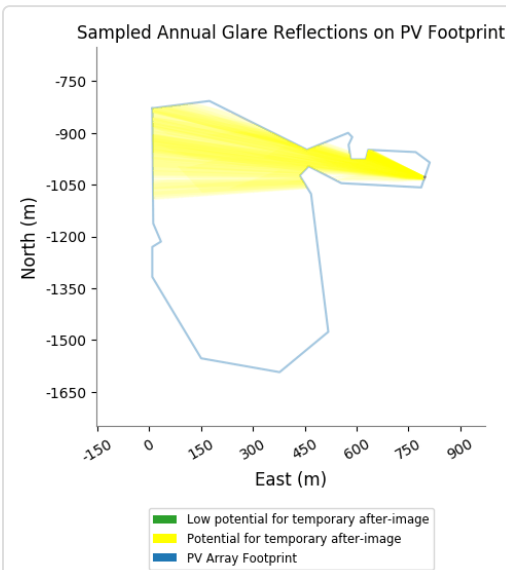
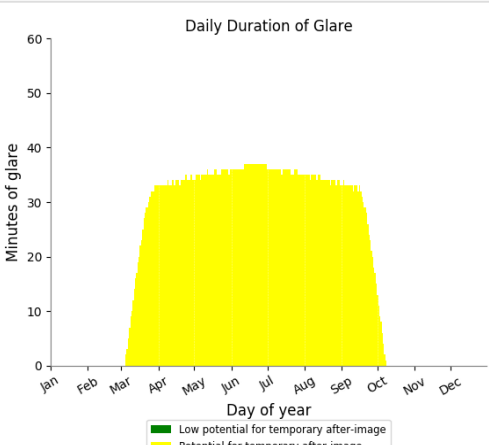
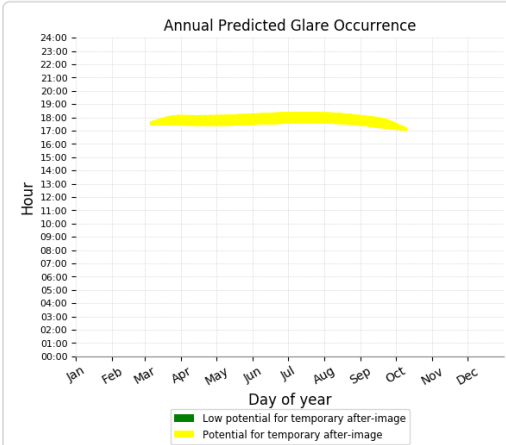
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 824 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 44)

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

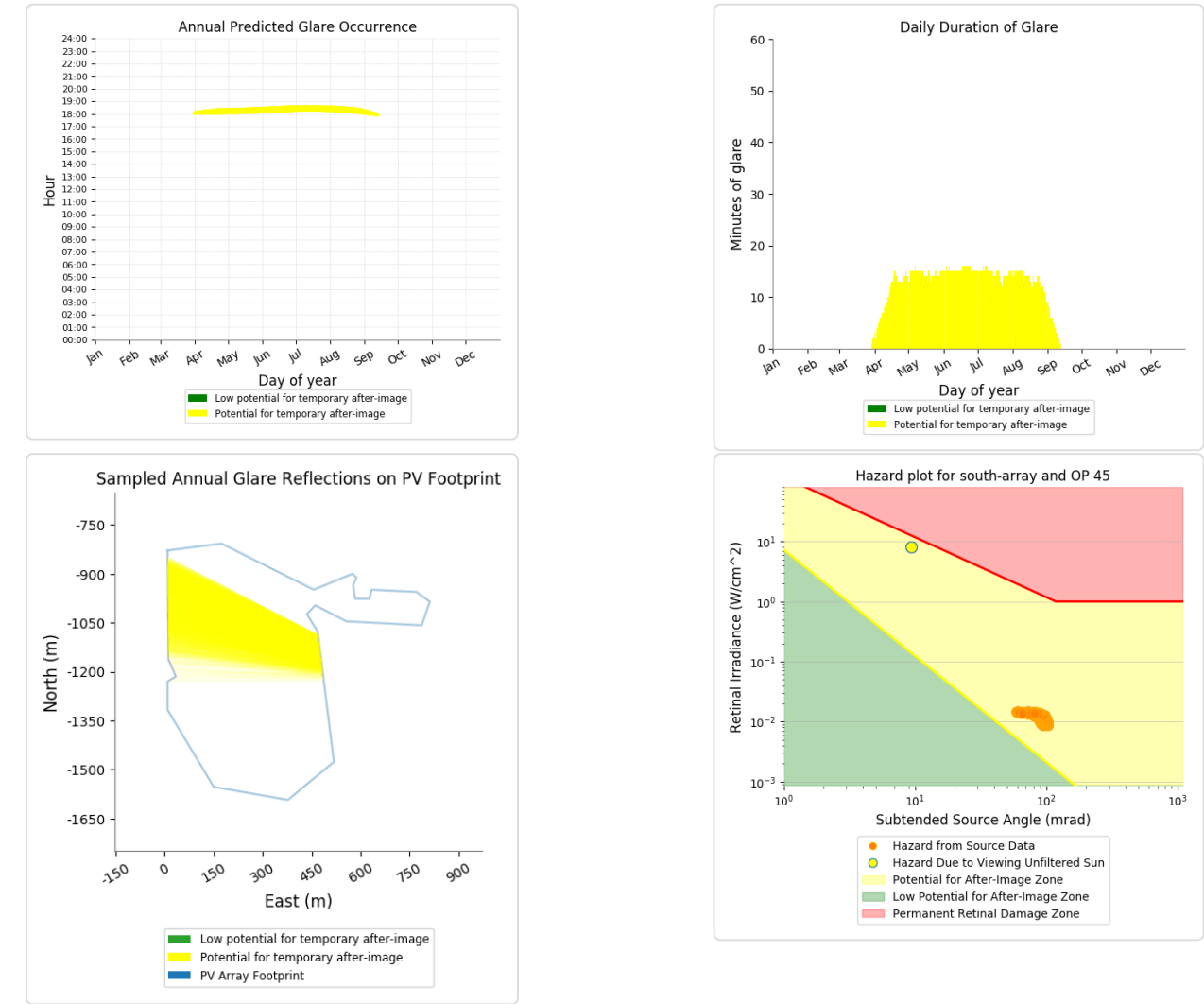
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 6,865 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 45)

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

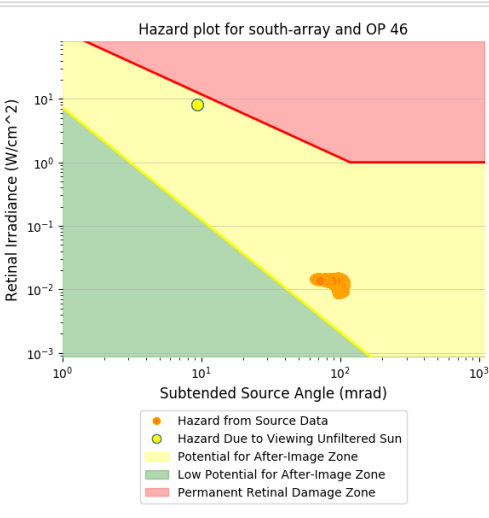
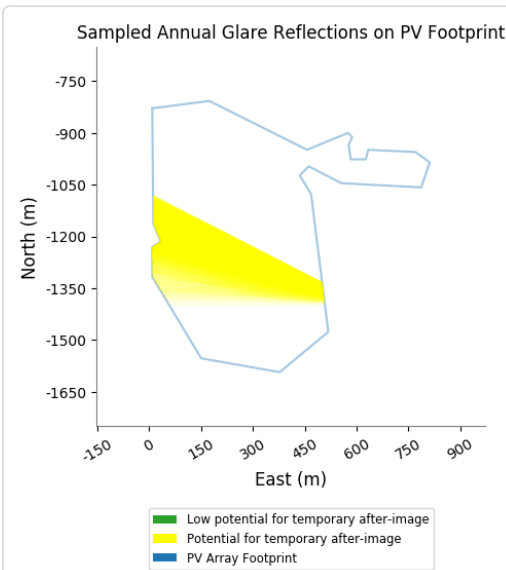
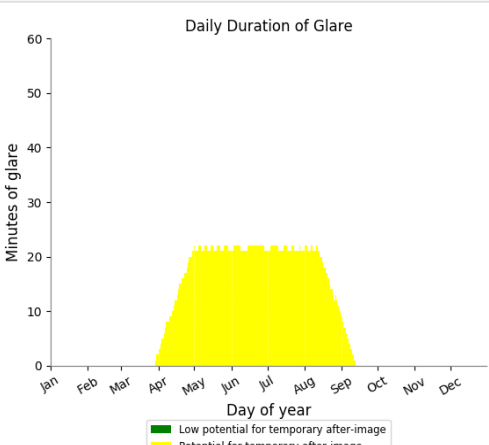
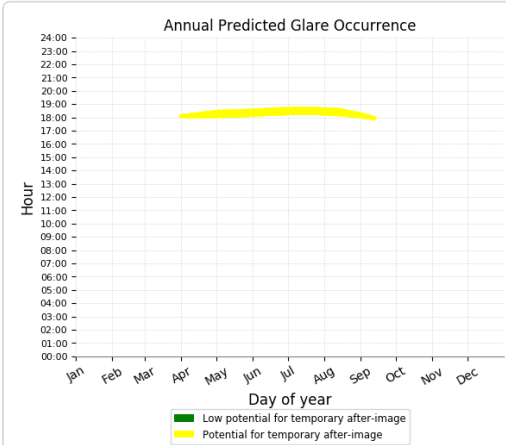
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,145 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 46)

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

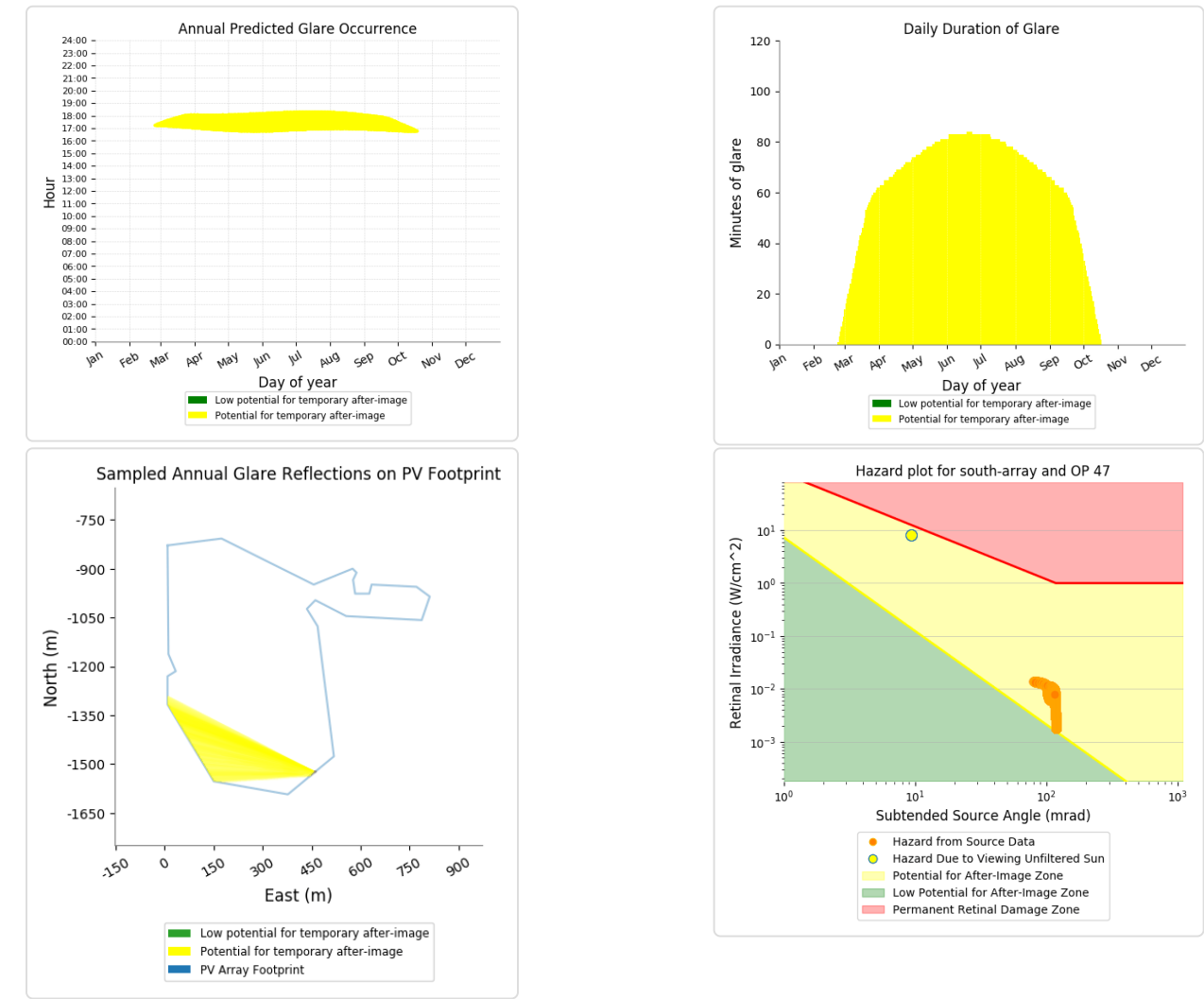
- 0 minutes of "green" glare with low potential to cause temporary after-image.
- 2,947 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 47)

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.
- 15,029 minutes of "yellow" glare with potential to cause temporary after-image.



South Array - OP Receptor (OP 48)

No glare found

South Array - OP Receptor (OP 49)

No glare found

South Array - OP Receptor (OP 50)

No glare found

South Array - OP Receptor (OP 51)

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 for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.

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