

FORGESOLAR GLARE ANALYSIS

Project: **Dupplin Solar**

Site configuration: **Dupplin Solar v1**

Client: Trio Power

Created 08 Jan, 2026

Updated 16 Jan, 2026

Time-step 1 minute

Timezone offset UTC0

Minimum sun altitude 0.0 deg

DNI peaks at 1,000.0 W/m²

Category 10 MW to 100 MW

Site ID 168250.28051

Ocular transmission coefficient 0.5

Pupil diameter 0.002 m

Eye focal length 0.017 m

Sun subtended angle 9.3 mrad

PV analysis methodology V2

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

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy kWh
	°	°	min	hr	min	hr	
Dupplin PV Area	20.0	180.0	911	15.2	6,169	102.8	194,100,000.0

Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

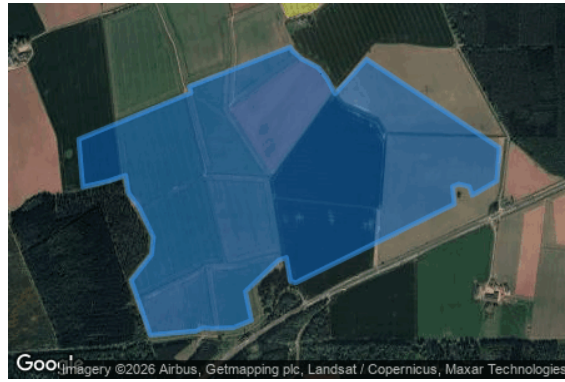
Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
A9	7	0.1	1,051	17.5
Roman Rd	267	4.5	2,892	48.2
Rural Road	514	8.6	2,226	37.1
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
OP 13	123	2.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0

Component Data

PV Arrays

Name: Dupplin PV Area
Axis tracking: Fixed (no rotation)
Tilt: 20.0°
Orientation: 180.0°
Rated power: 97800.0 kW
Panel material: Smooth glass with AR coating
Reflectivity: Vary with sun
Slope error: correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	56.373296	-3.541909	125.98	2.67	128.65
2	56.376278	-3.530987	107.09	2.67	109.76
3	56.376944	-3.531116	107.00	2.67	109.67
4	56.377039	-3.530687	106.93	2.67	109.60
5	56.376944	-3.529978	106.00	2.67	108.67
6	56.376611	-3.529764	106.00	2.67	108.67
7	56.377158	-3.528069	105.00	2.67	107.67
8	56.378417	-3.527897	105.97	2.67	108.64
9	56.381771	-3.537024	107.75	2.67	110.42
10	56.380464	-3.539192	106.00	2.67	108.67
11	56.381046	-3.539749	105.14	2.67	107.81
12	56.381450	-3.540329	105.00	2.67	107.67
13	56.381795	-3.541509	105.07	2.67	107.74
14	56.382068	-3.542067	104.83	2.67	107.50
15	56.382234	-3.542281	104.53	2.67	107.20
16	56.380737	-3.549212	111.70	2.67	114.37
17	56.380500	-3.549084	112.56	2.67	115.23
18	56.379318	-3.554257	121.33	2.67	124.00
19	56.378736	-3.556810	124.53	2.67	127.20
20	56.376930	-3.556531	135.58	2.67	138.25
21	56.377156	-3.554750	133.03	2.67	135.70
22	56.377370	-3.553592	130.31	2.67	132.98
23	56.376704	-3.553398	134.41	2.67	137.08
24	56.376122	-3.552626	135.98	2.67	138.65
25	56.375029	-3.551682	138.22	2.67	140.89
26	56.374365	-3.551805	140.20	2.67	142.87
27	56.373379	-3.553200	142.72	2.67	145.39
28	56.371317	-3.551891	148.39	2.67	151.06
29	56.371460	-3.548747	143.14	2.67	145.81
30	56.371576	-3.548315	142.42	2.67	145.09
31	56.371567	-3.547486	141.85	2.67	144.52
32	56.371588	-3.546204	139.90	2.67	142.57
33	56.371873	-3.544938	137.21	2.67	139.88
34	56.372966	-3.545357	133.95	2.67	136.62
35	56.374154	-3.543061	124.10	2.67	126.77
36	56.374249	-3.542546	122.42	2.67	125.09
37	56.373358	-3.542267	126.92	2.67	129.59

Route Receptors

Name: A9

Path type: Two-way

Azimuthal view angle: 50.0°

Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	56.387382	-3.495062	93.75	1.50	95.25
2	56.386764	-3.498624	99.55	1.50	101.05
3	56.385980	-3.501585	104.89	1.50	106.39
4	56.384982	-3.504461	108.10	1.50	109.60
5	56.383747	-3.506692	111.23	1.50	112.73
6	56.382630	-3.508108	111.58	1.50	113.08
7	56.381323	-3.509482	113.87	1.50	115.37
8	56.380372	-3.511177	113.90	1.50	115.40
9	56.379564	-3.513301	111.15	1.50	112.65
10	56.378554	-3.517486	103.50	1.50	105.00
11	56.372934	-3.539633	124.84	1.50	126.34
12	56.372518	-3.540963	128.22	1.50	129.72
13	56.371906	-3.542841	134.06	1.50	135.56
14	56.371068	-3.545169	138.71	1.50	140.21
15	56.369523	-3.548601	143.05	1.50	144.55
16	56.368085	-3.551005	139.41	1.50	140.91
17	56.367087	-3.552228	132.57	1.50	134.07
18	56.365395	-3.554210	132.64	1.50	134.14
19	56.363446	-3.556034	129.43	1.50	130.93
20	56.361711	-3.557172	128.43	1.50	129.93
21	56.359234	-3.559014	129.57	1.50	131.07
22	56.357463	-3.560988	133.47	1.50	134.97

Name: Roman Rd
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	56.372465	-3.541160	128.63	1.50	130.13
2	56.372834	-3.541530	127.11	1.50	128.61
3	56.372976	-3.541745	126.79	1.50	128.29
4	56.373068	-3.542077	127.76	1.50	129.26
5	56.373021	-3.542538	129.95	1.50	131.45
6	56.372851	-3.542817	131.94	1.50	133.44
7	56.372524	-3.543111	133.60	1.50	135.10
8	56.372040	-3.543701	135.15	1.50	136.65
9	56.371665	-3.544415	136.73	1.50	138.23
10	56.371352	-3.545445	138.69	1.50	140.19
11	56.371233	-3.546335	140.26	1.50	141.76
12	56.371274	-3.548695	143.45	1.50	144.95
13	56.371052	-3.551763	150.17	1.50	151.67
14	56.370908	-3.554087	151.54	1.50	153.04
15	56.370280	-3.570533	148.50	1.50	150.00
16	56.370214	-3.571466	148.27	1.50	149.77
17	56.369513	-3.575833	147.93	1.50	149.43
18	56.367641	-3.579384	140.35	1.50	141.85

Name: Rural Road
Path type: Two-way
Azimuthal view angle: 50.0°
Downward view angle: 0.0°



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)	Height above ground (m)	Total elevation (m)
1	56.395529	-3.539928	48.97	1.50	50.47
2	56.395119	-3.539756	48.44	1.50	49.94
3	56.394110	-3.538726	49.11	1.50	50.61
4	56.392688	-3.538286	58.76	1.50	60.26
5	56.391598	-3.537944	64.34	1.50	65.84
6	56.391011	-3.537504	67.56	1.50	69.06
7	56.388100	-3.536141	83.40	1.50	84.90
8	56.384676	-3.534613	101.29	1.50	102.79
9	56.384572	-3.534398	102.05	1.50	103.55
10	56.384309	-3.532257	104.36	1.50	105.86
11	56.382219	-3.530669	111.65	1.50	113.15
12	56.378801	-3.527220	105.37	1.50	106.87
13	56.376874	-3.527625	105.00	1.50	106.50
14	56.376408	-3.527850	105.00	1.50	106.50
15	56.376147	-3.527834	105.00	1.50	106.50
16	56.375953	-3.527705	105.00	1.50	106.50

Discrete Observation Point Receptors

Name	ID	Latitude (°)	Longitude (°)	Elevation (m)	Height (m)
OP 1	1	56.383043	-3.541852	103.30	2.50
OP 2	2	56.384538	-3.551741	99.72	2.50
OP 3	3	56.384838	-3.551242	98.20	4.00
OP 4	4	56.385073	-3.550867	97.10	2.50
OP 5	5	56.393445	-3.557004	53.94	2.50
OP 6	6	56.381336	-3.562383	116.14	2.50
OP 7	7	56.382280	-3.560924	112.41	2.50
OP 8	8	56.380564	-3.564700	119.43	2.50
OP 9	9	56.373350	-3.528305	109.72	2.50
OP 10	10	56.372450	-3.528627	113.01	2.50
OP 11	11	56.368959	-3.546206	138.40	2.50
OP 12	12	56.376254	-3.527322	105.00	2.50
OP 13	13	56.376479	-3.511660	107.37	2.50
OP 14	14	56.379327	-3.515247	104.65	2.50
OP 15	15	56.387116	-3.541874	85.39	2.50
OP 16	16	56.387243	-3.541500	85.26	2.50
OP 17	17	56.392583	-3.536841	59.41	2.50
OP 18	18	56.392894	-3.536994	57.51	2.50

Obstruction Components

Name: Obstruction 1
Top height: 10.0 m



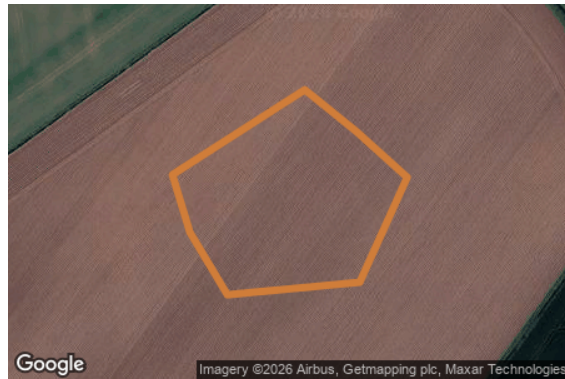
Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.377468	-3.577101	126.43
2	56.379155	-3.564570	127.59
3	56.375710	-3.561866	144.66
4	56.377159	-3.553712	131.70
5	56.374830	-3.552167	141.05
6	56.373262	-3.553669	143.00
7	56.371147	-3.552167	150.04
8	56.370600	-3.564055	150.97
9	56.373000	-3.566544	150.96
10	56.377468	-3.577101	126.43

Name: Obstruction 14
 Top height: 3.0 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.382233	-3.542037	104.73
2	56.382206	-3.542096	104.70
3	56.381794	-3.541296	105.07
4	56.381424	-3.540233	105.00
5	56.381061	-3.539736	105.13
6	56.381096	-3.539661	105.07
7	56.381537	-3.540323	105.00
8	56.381864	-3.541270	105.00
9	56.382233	-3.542037	104.73

Name: Obstruction 15
 Top height: 0.0 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.380905	-3.542134	106.56
2	56.380501	-3.543272	108.15
3	56.380228	-3.543121	108.72
4	56.379931	-3.542799	109.22
5	56.379990	-3.541662	107.69
6	56.380489	-3.541254	106.96
7	56.380703	-3.541684	106.65
8	56.380905	-3.542134	106.56

Name: Obstruction 16

Top height: 0.0 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.375986	-3.552305	135.33
2	56.379003	-3.548591	118.39
3	56.378706	-3.547604	118.22
4	56.376080	-3.550865	131.27
5	56.377399	-3.545158	118.93
6	56.376924	-3.543892	118.32
7	56.375391	-3.551767	136.69
8	56.375986	-3.552305	135.33

Name: Obstruction 2

Top height: 8.0 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.373850	-3.542655	125.33
2	56.373155	-3.542322	128.27
3	56.372554	-3.541335	128.31
4	56.370980	-3.545734	139.65
5	56.372109	-3.543803	135.20
6	56.373018	-3.544490	133.36
7	56.373856	-3.543288	126.98
8	56.373850	-3.542655	125.33

Name: Obstruction 3

Top height: 8.0 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.370932	-3.551796	151.10
2	56.369548	-3.550712	150.30
3	56.369803	-3.548588	143.01
4	56.370754	-3.547054	140.94
5	56.371075	-3.548234	142.81
6	56.370077	-3.549446	144.61
7	56.370356	-3.550315	147.81
8	56.371093	-3.548931	143.98
9	56.370932	-3.551796	151.10

Name: Obstruction 4

Top height: 8.0 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.376294	-3.528139	105.02
2	56.376175	-3.528520	105.18
3	56.375872	-3.528482	105.50
4	56.376012	-3.527908	105.00
5	56.376315	-3.527951	105.00
6	56.376294	-3.528139	105.02

Name: Obstruction 5

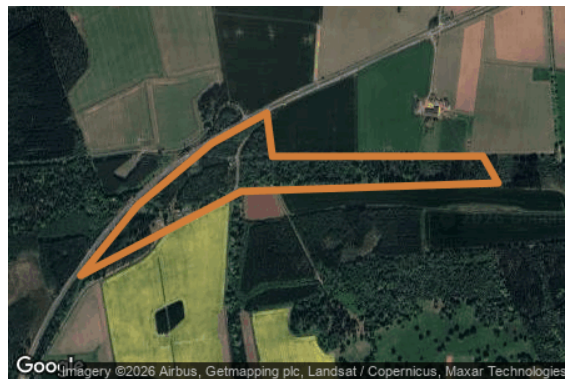
Top height: 8.0 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.385763	-3.533016	95.14
2	56.382104	-3.530484	111.75
3	56.378789	-3.527158	105.35
4	56.377245	-3.523617	104.95
5	56.378356	-3.519068	103.95
6	56.381213	-3.520592	104.00
7	56.382139	-3.516451	103.89
8	56.385442	-3.517931	94.23
9	56.386761	-3.529003	89.23
10	56.385763	-3.533016	95.14

Name: Obstruction 6

Top height: 8.0 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.366527	-3.552557	130.07
2	56.369189	-3.548651	142.32
3	56.371554	-3.543544	135.63
4	56.372707	-3.539768	126.21
5	56.371055	-3.539382	142.44
6	56.371067	-3.524919	117.78
7	56.370045	-3.523868	120.93
8	56.369724	-3.541527	141.08
9	56.366527	-3.552557	130.07

Name: Obstruction 7

Top height: 8.0 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.365883	-3.586552	146.67
2	56.367333	-3.579943	142.08
3	56.369163	-3.562992	150.46
4	56.370417	-3.563925	150.49
5	56.370910	-3.552112	151.70
6	56.368723	-3.550331	143.07
7	56.367844	-3.562369	145.91
8	56.366343	-3.575496	135.13
9	56.364750	-3.586311	148.95
10	56.365883	-3.586552	146.67

Name: Obstruction 8

Top height: 8.0 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.393307	-3.538177	54.45
2	56.393188	-3.538435	55.01
3	56.392101	-3.538188	62.16
4	56.391656	-3.537952	64.08
5	56.391804	-3.537684	63.47
6	56.392351	-3.537770	60.75
7	56.393307	-3.538177	54.45

Name: Proposed Native Hedgerow 2

Top height: 3.5 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.376426	-3.527956	105.00
2	56.376920	-3.527747	105.00
3	56.378803	-3.527303	105.42
4	56.378806	-3.527381	105.41
5	56.376912	-3.527800	105.00
6	56.376433	-3.528009	105.00
7	56.376426	-3.527956	105.00

Name: Proposed Native Hedgerow 2

Top height: 3.5 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.381887	-3.545939	105.84
2	56.382692	-3.546066	103.27
3	56.383357	-3.542976	101.34
4	56.382293	-3.541989	104.74
5	56.382284	-3.542024	104.72
6	56.383345	-3.542984	101.43
7	56.382686	-3.546046	103.27
8	56.381894	-3.545929	105.84
9	56.381887	-3.545939	105.84

Name: Proposed Native Hedgerow 3

Top height: 3.5 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.381883	-3.545924	105.87
2	56.379257	-3.558606	124.95
3	56.378770	-3.558155	126.34
4	56.376667	-3.557812	136.36
5	56.376671	-3.557760	136.40
6	56.378772	-3.558113	126.27
7	56.379242	-3.558547	124.96
8	56.381871	-3.545915	105.90
9	56.381883	-3.545924	105.87

Name: Proposed Native Hedgerow 1

Top height: 3.5 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.372737	-3.541253	127.23
2	56.372610	-3.541114	127.81
3	56.373780	-3.536897	117.19
4	56.375907	-3.528701	105.65
5	56.376151	-3.528679	105.29
6	56.376430	-3.528250	105.00
7	56.376477	-3.528507	105.00
8	56.375943	-3.529130	105.86
9	56.372737	-3.541253	127.23

Name: Proposed Native Woodland 1

Top height: 5.0 m



Vertex	Latitude (°)	Longitude (°)	Ground elevation (m)
1	56.371152	-3.551968	149.74
2	56.371390	-3.548690	143.25
3	56.371378	-3.548325	142.77
4	56.371318	-3.548363	142.89
5	56.371318	-3.548685	143.36
6	56.371101	-3.551973	150.11
7	56.371152	-3.551968	149.74

Glare Analysis Results

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

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy
	°	°	min	hr	min	hr	kWh
Duplin PV Area	20.0	180.0	911	15.2	6,169	102.8	194,100,000.0

Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
A9	7	0.1	1,051	17.5
Roman Rd	267	4.5	2,892	48.2
Rural Road	514	8.6	2,226	37.1
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 13	123	2.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0

PV: Dupplin PV Area potential temporary after-image

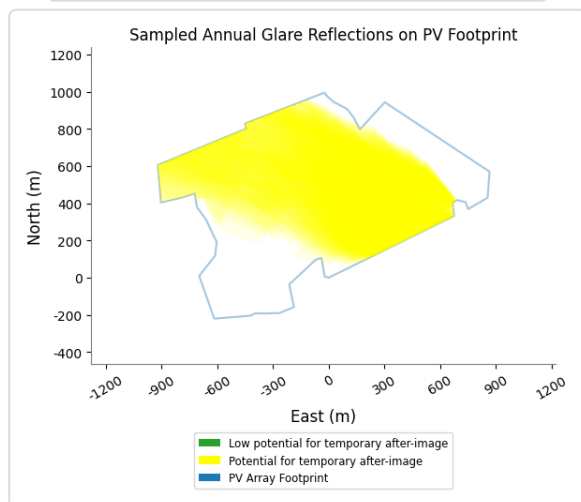
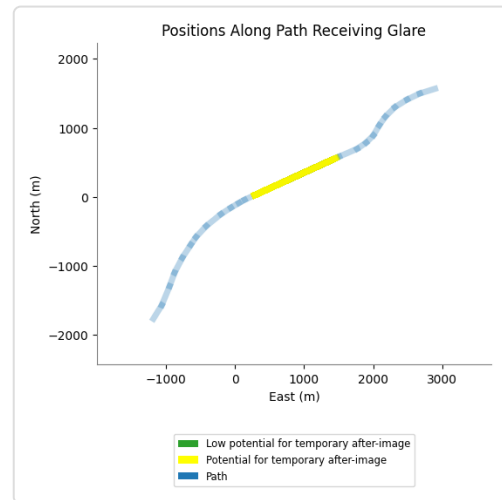
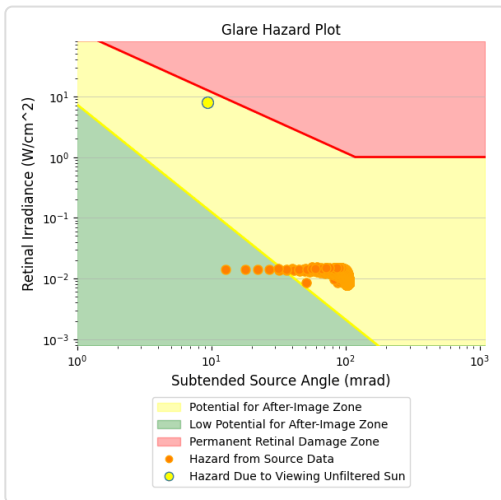
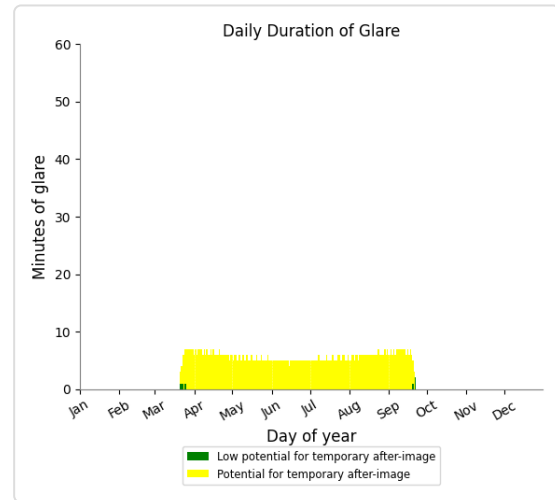
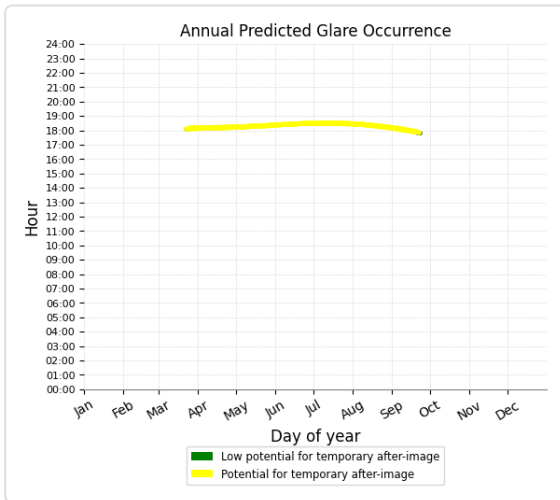
Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
A9	7	0.1	1,051	17.5
Roman Rd	267	4.5	2,892	48.2
Rural Road	514	8.6	2,226	37.1
OP 13	123	2.0	0	0.0
OP 1	0	0.0	0	0.0
OP 2	0	0.0	0	0.0
OP 3	0	0.0	0	0.0
OP 4	0	0.0	0	0.0
OP 5	0	0.0	0	0.0
OP 6	0	0.0	0	0.0
OP 7	0	0.0	0	0.0
OP 8	0	0.0	0	0.0
OP 9	0	0.0	0	0.0
OP 10	0	0.0	0	0.0
OP 11	0	0.0	0	0.0
OP 12	0	0.0	0	0.0
OP 14	0	0.0	0	0.0
OP 15	0	0.0	0	0.0
OP 16	0	0.0	0	0.0
OP 17	0	0.0	0	0.0
OP 18	0	0.0	0	0.0

Dupplin PV Area and Route: A9

Yellow glare: 1,051 min.

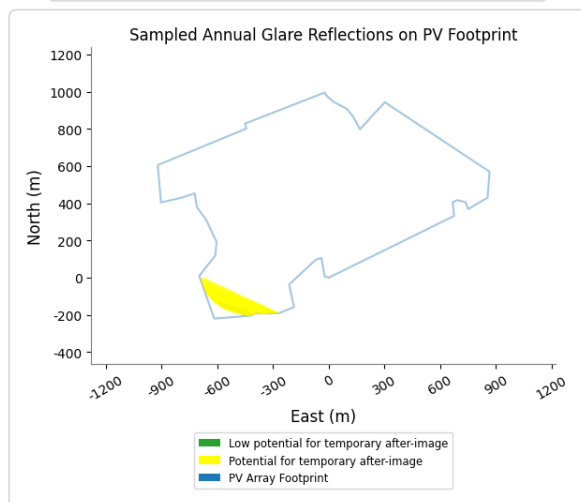
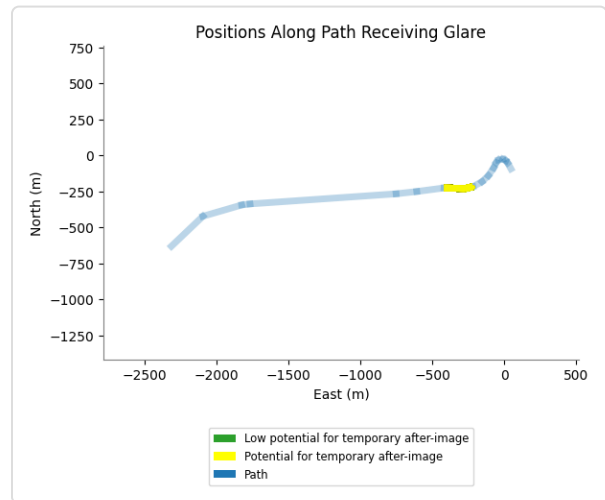
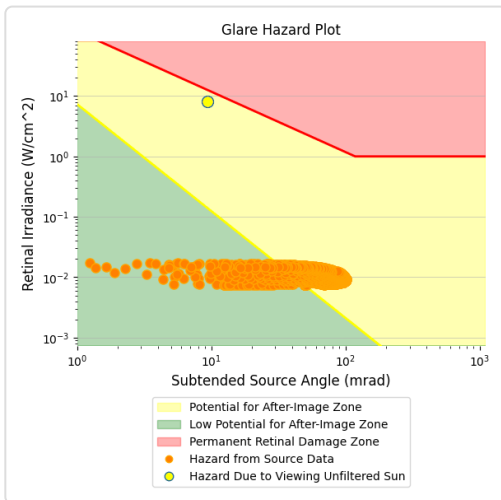
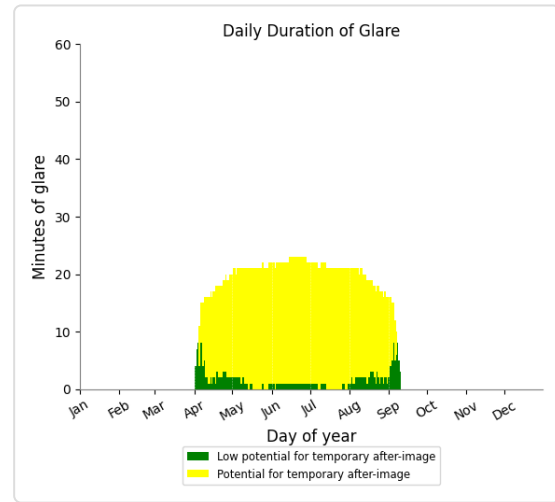
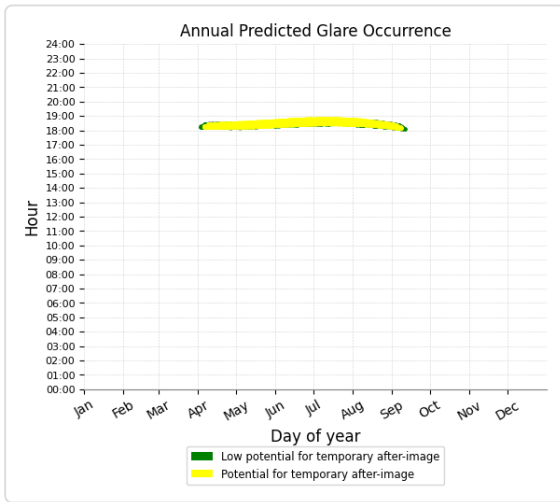
Green glare: 7 min.



Dupplin PV Area and Route: Roman Rd

Yellow glare: 2,892 min.

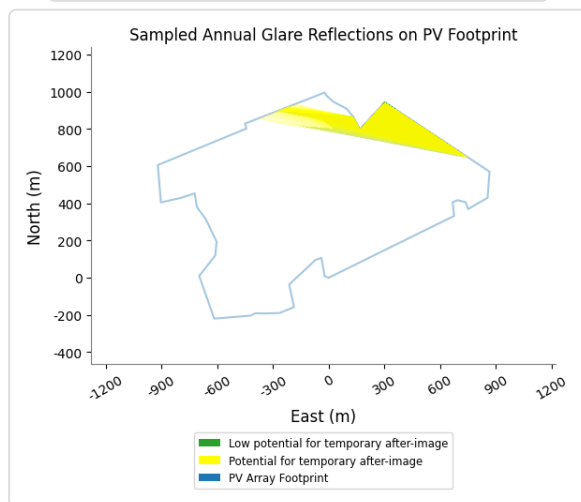
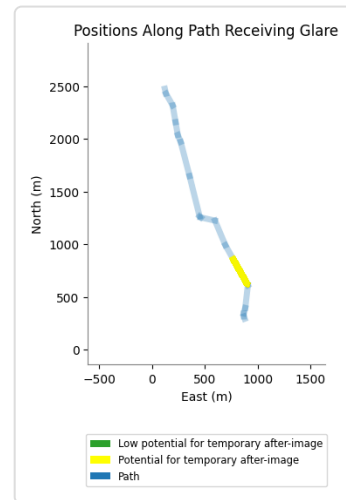
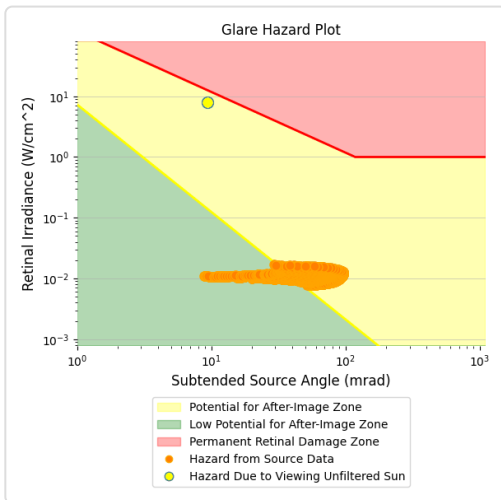
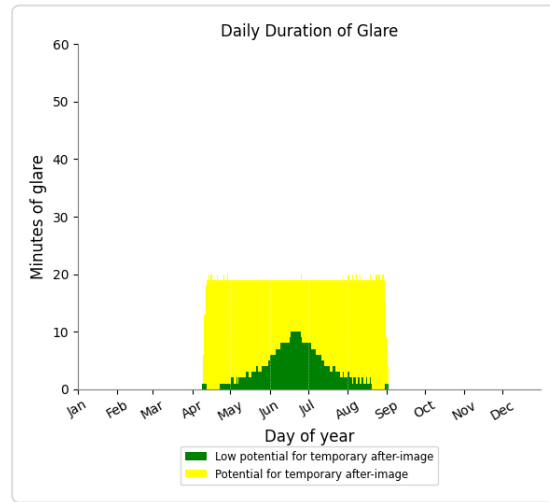
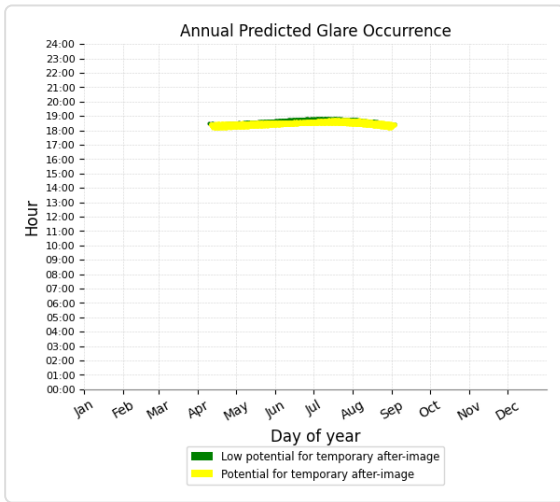
Green glare: 267 min.



Dupplin PV Area and Route: Rural Road

Yellow glare: 2,226 min.

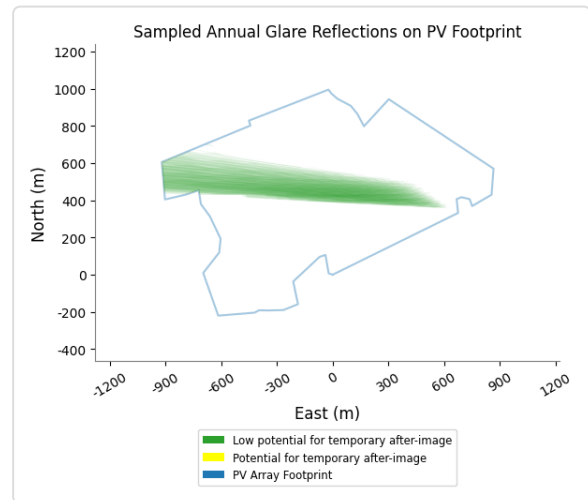
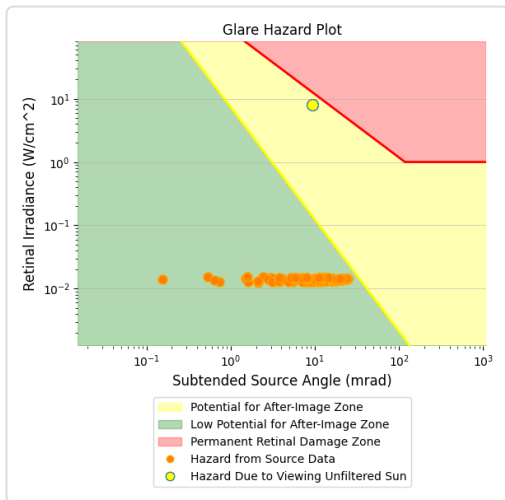
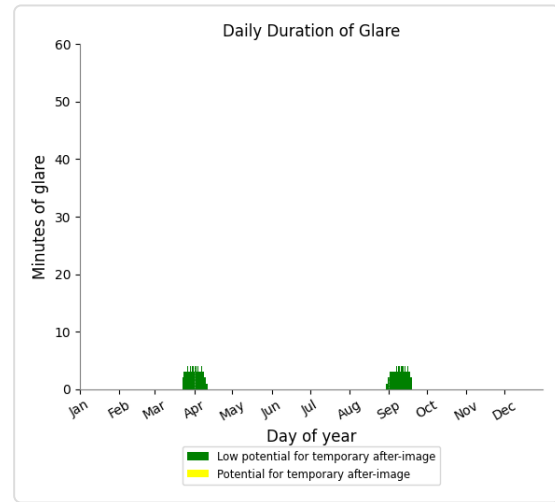
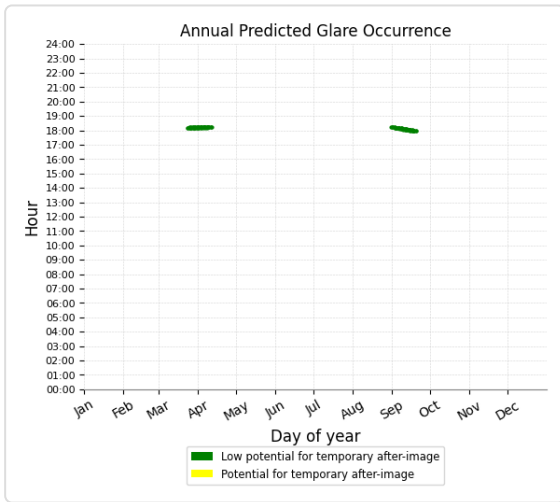
Green glare: 514 min.



Dupplin PV Area and OP 13

Yellow glare: none

Green glare: 123 min.



Dupplin PV Area and OP 1

No glare found

Dupplin PV Area and OP 2

No glare found

Dupplin PV Area and OP 3

No glare found

Dupplin PV Area and OP 4

No glare found

Dupplin PV Area and OP 5

No glare found

Dupplin PV Area and OP 6

No glare found

Dupplin PV Area and OP 7

No glare found

Dupplin PV Area and OP 8

No glare found

Dupplin PV Area and OP 9

No glare found

Dupplin PV Area and OP 10

No glare found

Dupplin PV Area and OP 11

No glare found

Dupplin PV Area and OP 12

No glare found

Dupplin PV Area and OP 14

No glare found

Dupplin PV Area and OP 15

No glare found

Dupplin PV Area and OP 16

No glare found

Dupplin PV Area and OP 17

No glare found

Dupplin PV Area and OP 18

No glare found

Assumptions

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

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

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

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

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

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

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

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

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

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

The speed of SGHAT allows expedited sensitivity and parametric analyses.

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

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

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

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

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

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

© Sims Industries d/b/a ForgeSolar, All Rights Reserved.