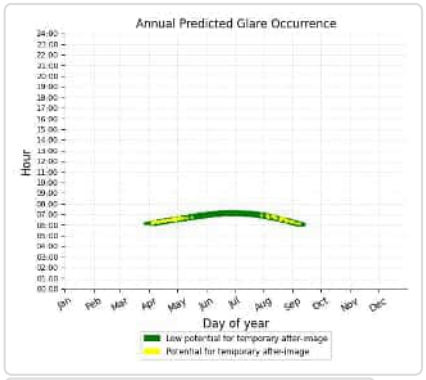
PV array 3: OP 23

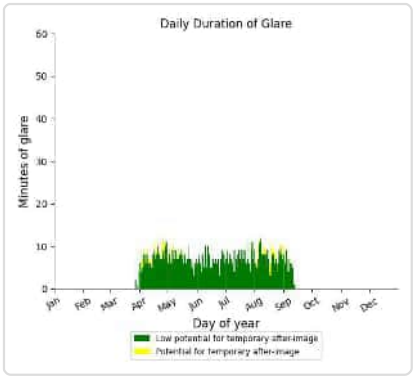
No glare found

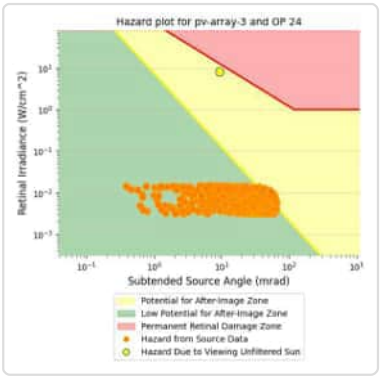
PV array 3: OP 24

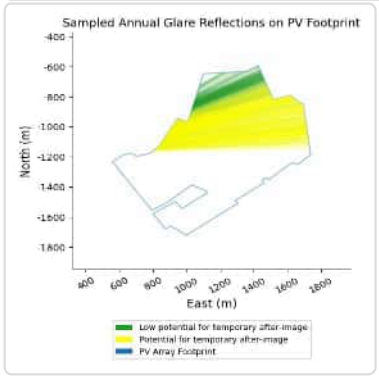
PV array is expected to produce the following glare for this receptor:

- 1,172 minutes of "green" glare with low potential to cause temporary after-image.
- 80 minutes of "yellow" glare with potential to cause temporary after-image.





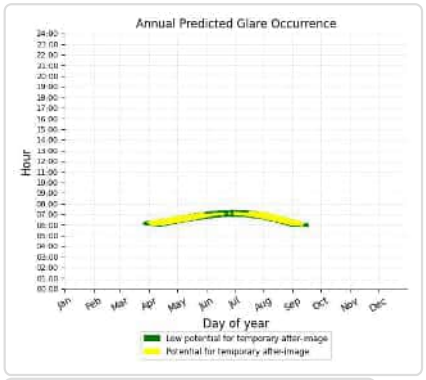


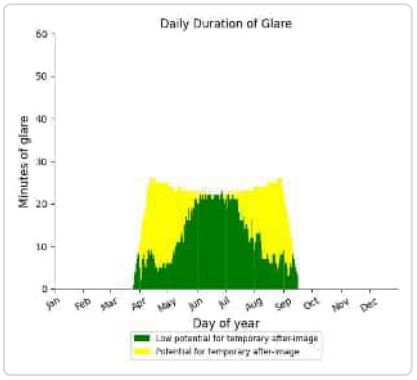


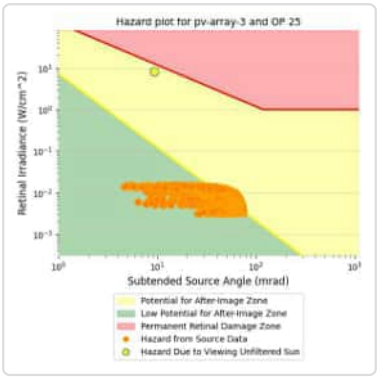
PV array 3: OP 25

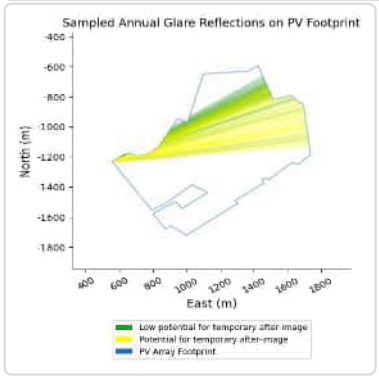
PV array is expected to produce the following glare for this receptor:

- 2,149 minutes of "green" glare with low potential to cause temporary after-image.
- 1,611 minutes of "yellow" glare with potential to cause temporary after-image.





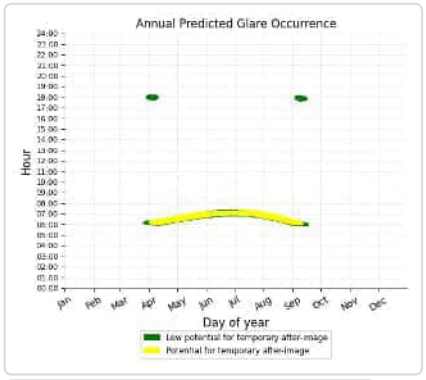


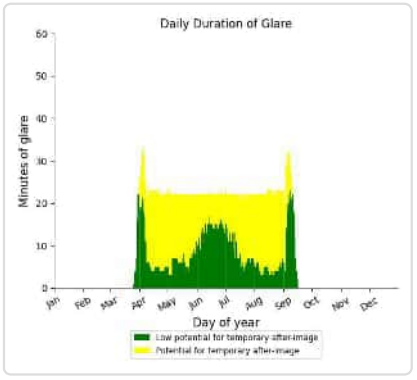


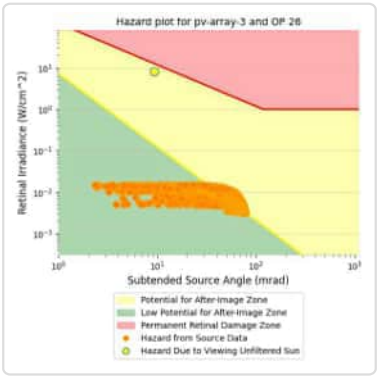
PV array 3: OP 26

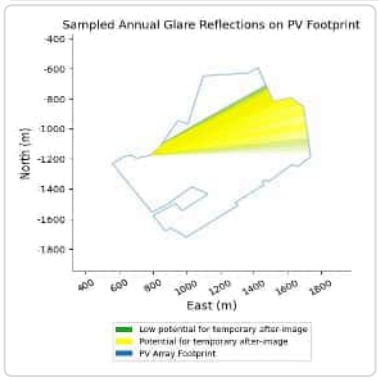
PV array is expected to produce the following glare for this receptor:

- 1,541 minutes of "green" glare with low potential to cause temporary after-image.
- 2,292 minutes of "yellow" glare with potential to cause temporary after-image.





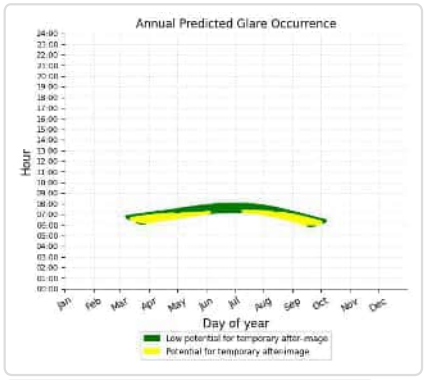


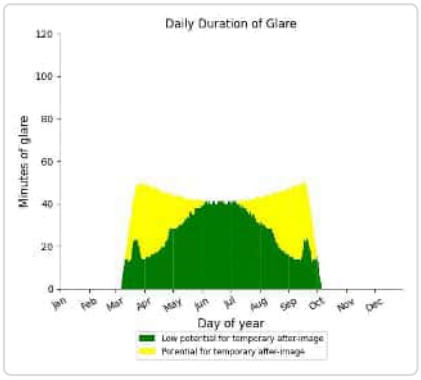


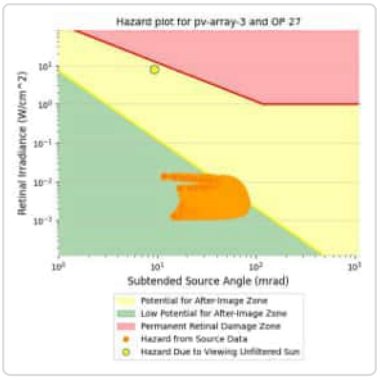
PV array 3: OP 27

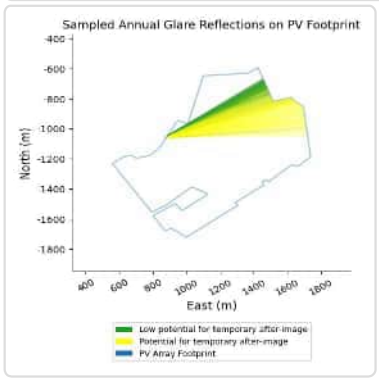
PV array is expected to produce the following glare for this receptor:

- 5,642 minutes of "green" glare with low potential to cause temporary after-image.
- 3,145 minutes of "yellow" glare with potential to cause temporary after-image.





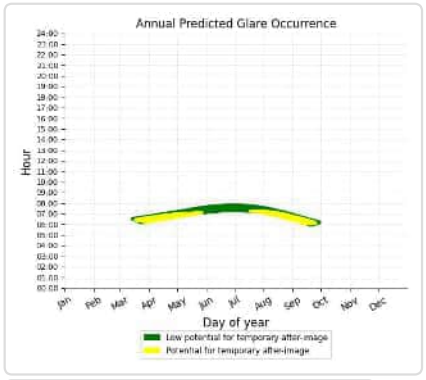


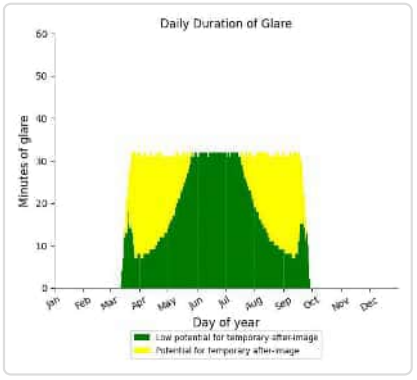


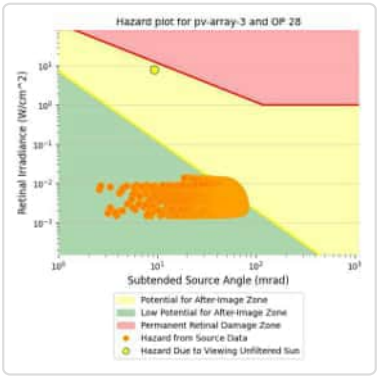
PV array 3: OP 28

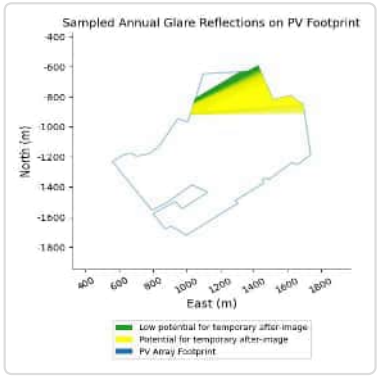
PV array is expected to produce the following glare for this receptor:

- 3,720 minutes of "green" glare with low potential to cause temporary after-image.
- 2,321 minutes of "yellow" glare with potential to cause temporary after-image.





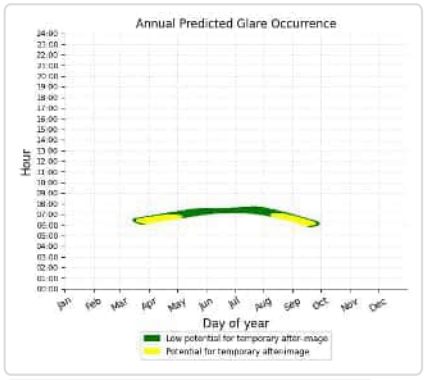


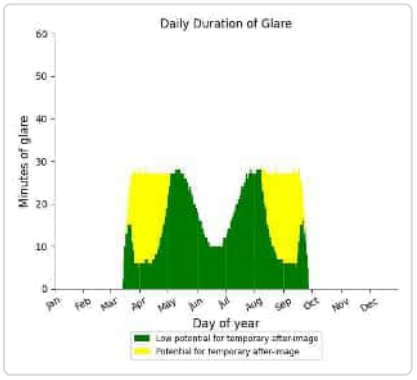


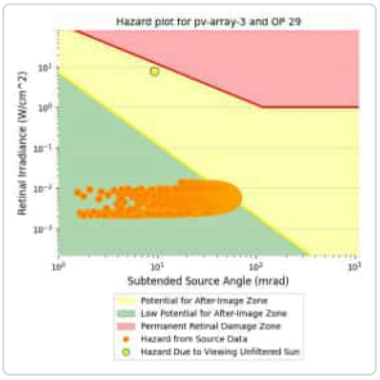
PV array 3: OP 29

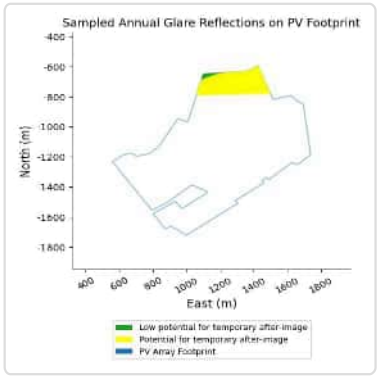
PV array is expected to produce the following glare for this receptor:

- 2,962 minutes of "green" glare with low potential to cause temporary after-image.
- 1,499 minutes of "yellow" glare with potential to cause temporary after-image.





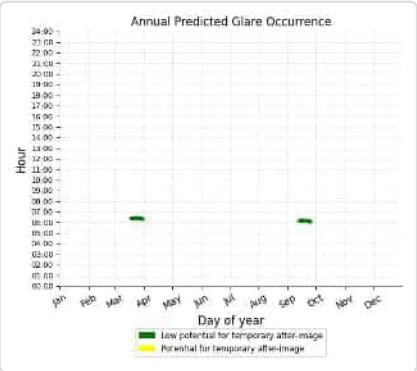


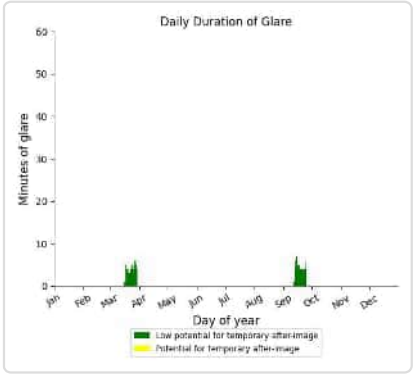


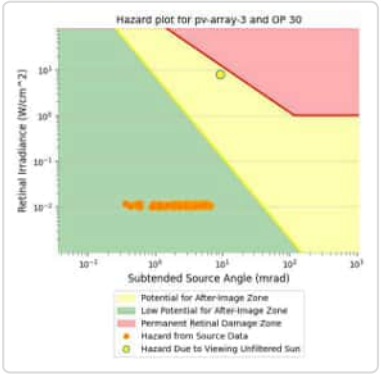
PV array 3: OP 30

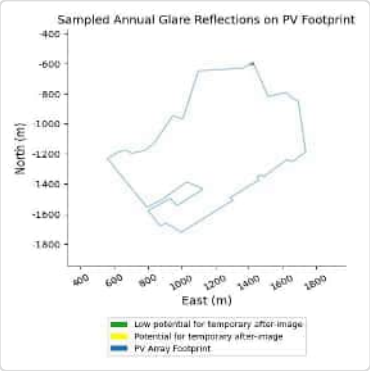
PV array is expected to produce the following glare for this receptor:

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









PV array 3: OP 31

No glare found

PV array 3: OP 32

No glare found

PV array 3: OP 33

No glare found

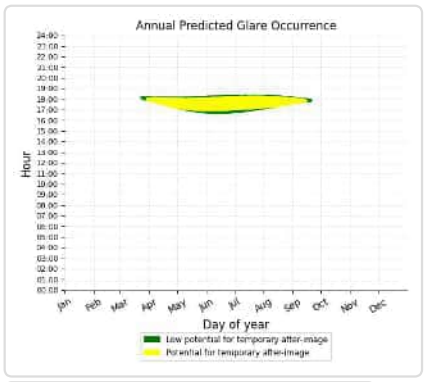
PV array 3: OP 34

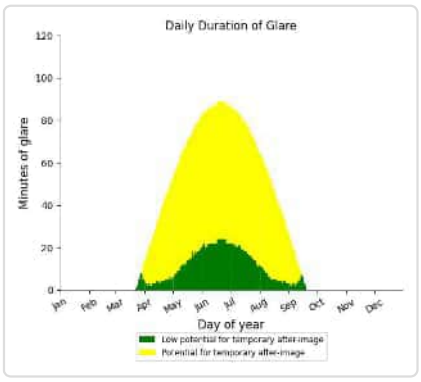
No glare found

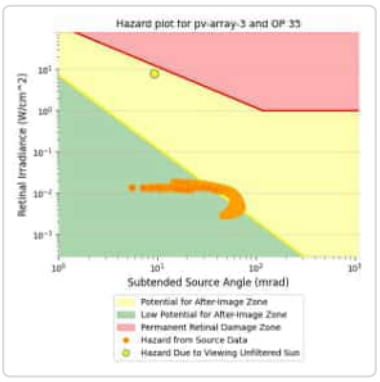
PV array 3: OP 35

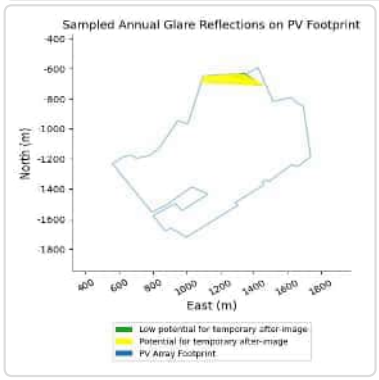
PV array is expected to produce the following glare for this receptor:

- 2,054 minutes of "green" glare with low potential to cause temporary after-image.
- 7,918 minutes of "yellow" glare with potential to cause temporary after-image.





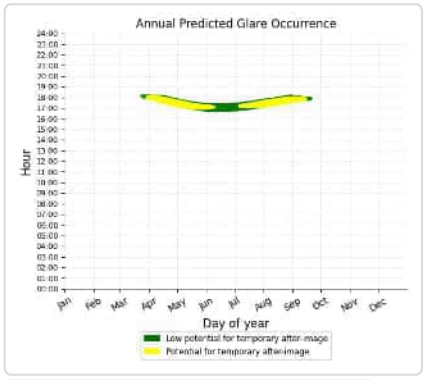


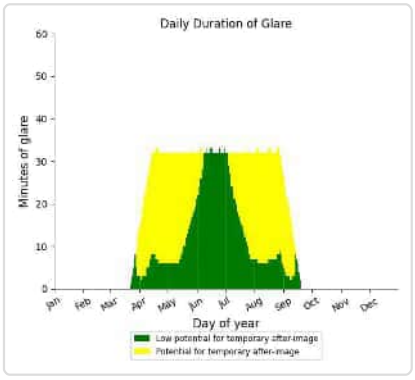


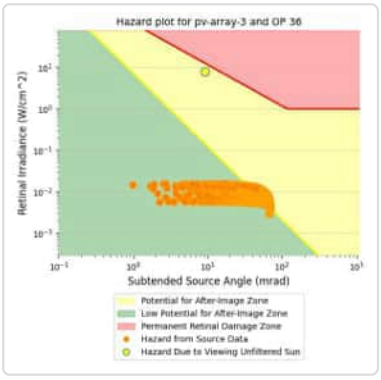
PV array 3: OP 36

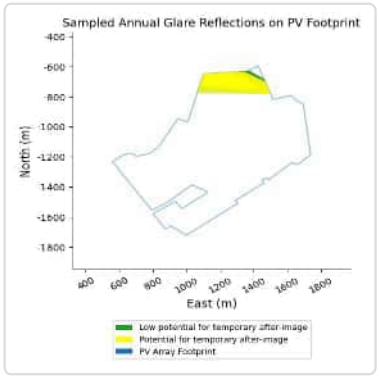
PV array is expected to produce the following glare for this receptor:

- 2,269 minutes of "green" glare with low potential to cause temporary after-image.
- 2,837 minutes of "yellow" glare with potential to cause temporary after-image.





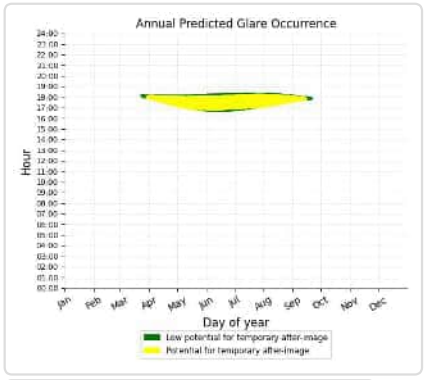


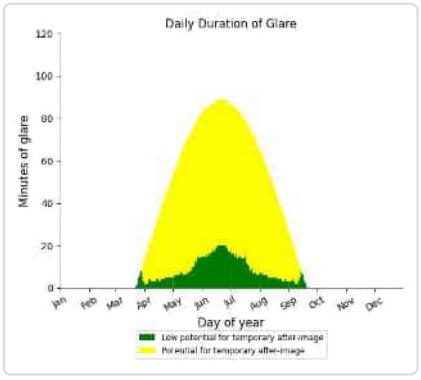


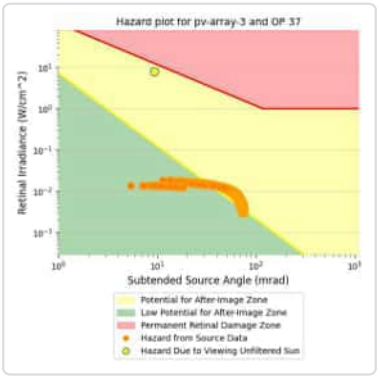
PV array 3: OP 37

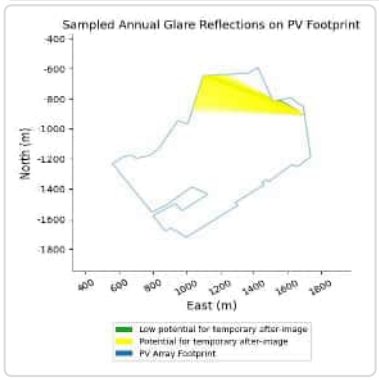
PV array is expected to produce the following glare for this receptor:

- 1,541 minutes of "green" glare with low potential to cause temporary after-image.
- 8,454 minutes of "yellow" glare with potential to cause temporary after-image.





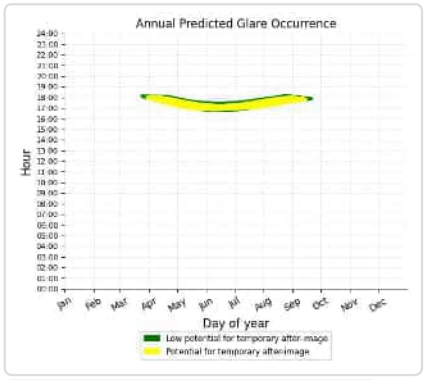


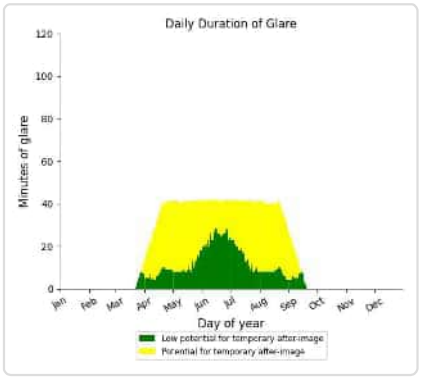


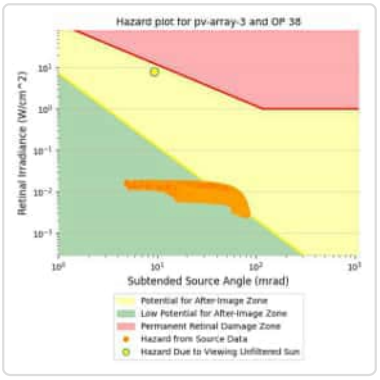
PV array 3: OP 38

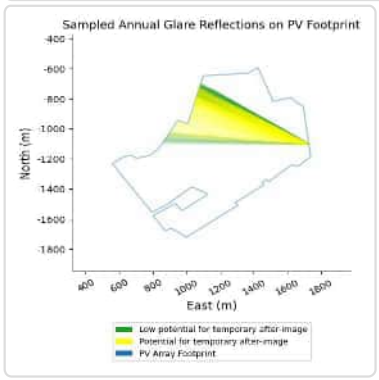
PV array is expected to produce the following glare for this receptor:

- 2,112 minutes of "green" glare with low potential to cause temporary after-image.
- 4,151 minutes of "yellow" glare with potential to cause temporary after-image.





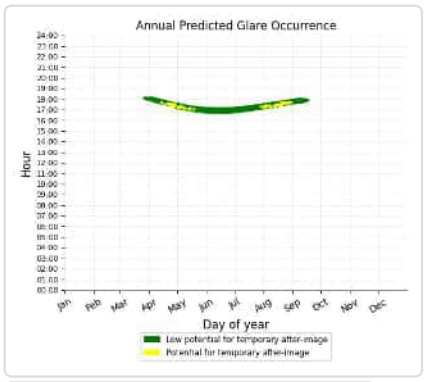


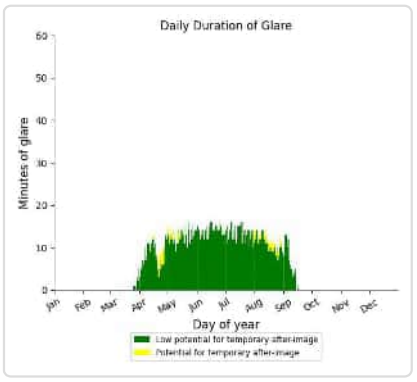


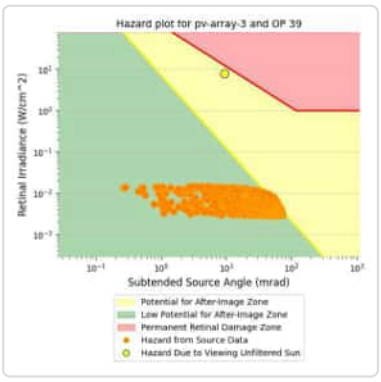
PV array 3: OP 39

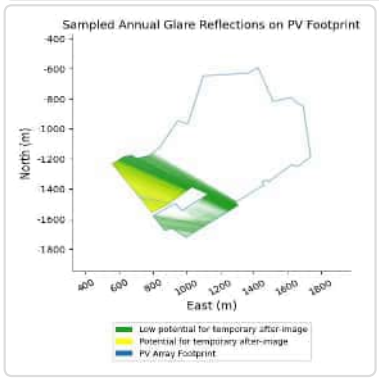
PV array is expected to produce the following glare for this receptor:

- 1,900 minutes of "green" glare with low potential to cause temporary after-image.
- 76 minutes of "yellow" glare with potential to cause temporary after-image.





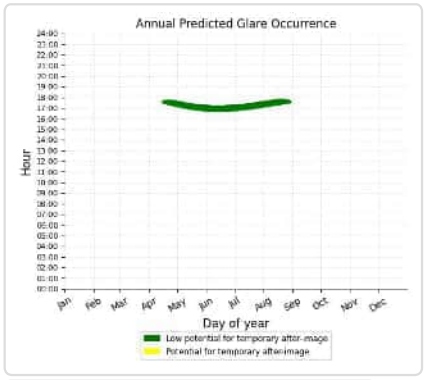


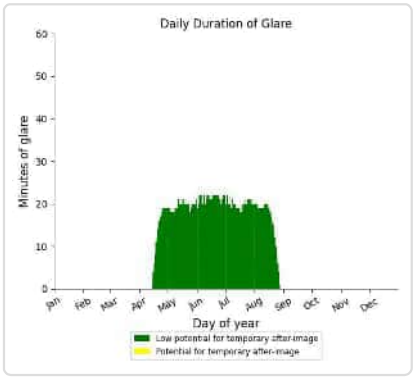


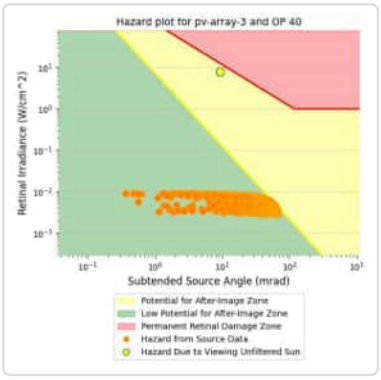
PV array 3: OP 40

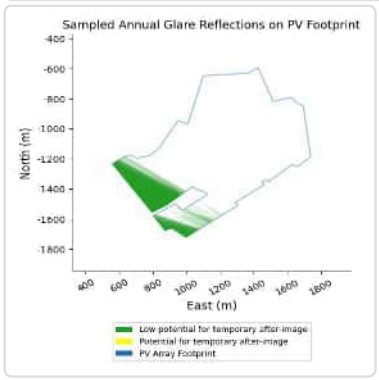
PV array is expected to produce the following glare for this receptor:

- 2,540 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 3: OP 41

No glare found

PV array 3: OP 42

No glare found

PV array 3: OP 43

No glare found

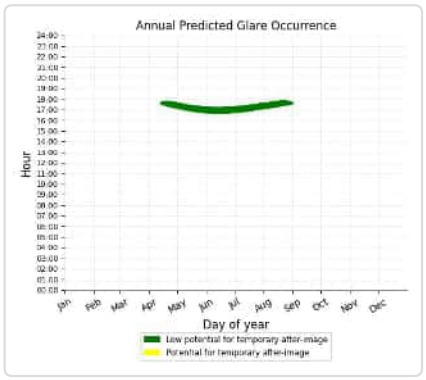
PV array 3: OP 44

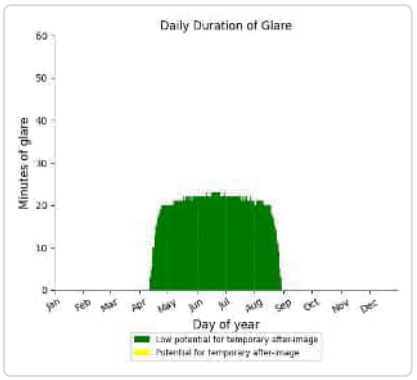
No glare found

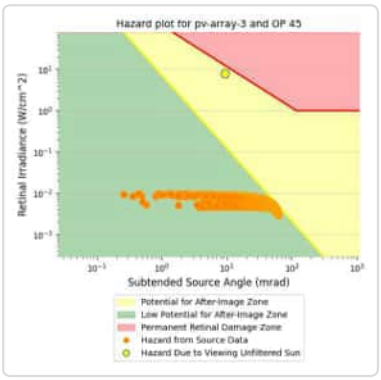
PV array 3: OP 45

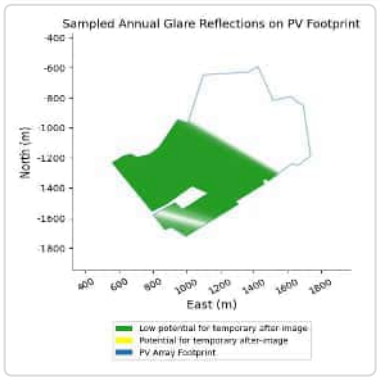
PV array is expected to produce the following glare for this receptor:

- 2,780 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





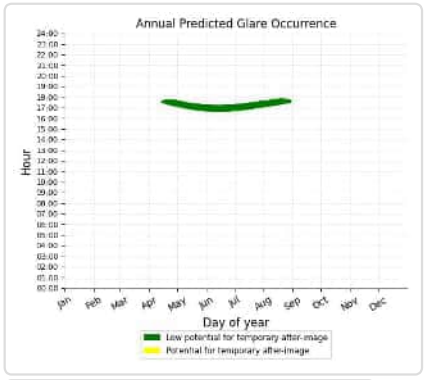


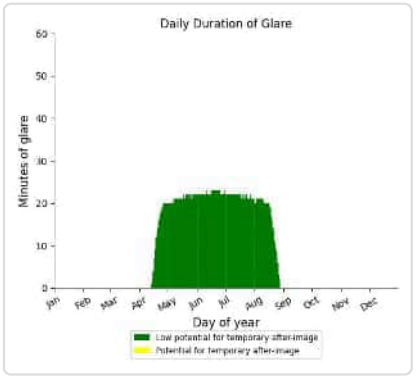


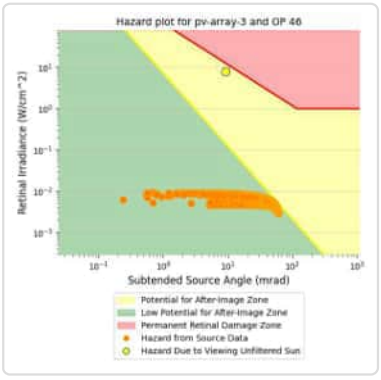
PV array 3: OP 46

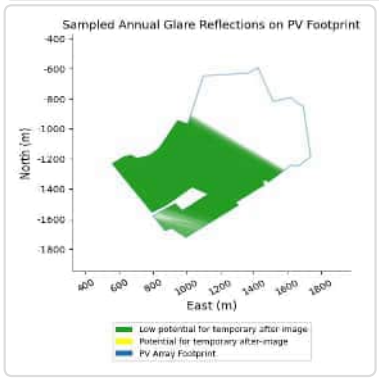
PV array is expected to produce the following glare for this receptor:

- 2,697 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





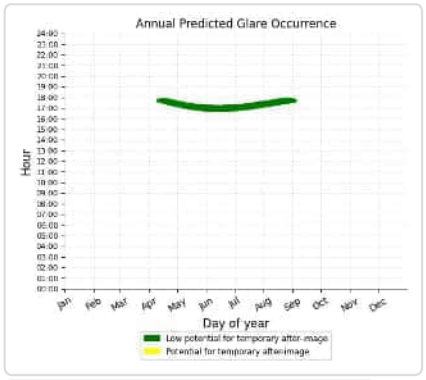


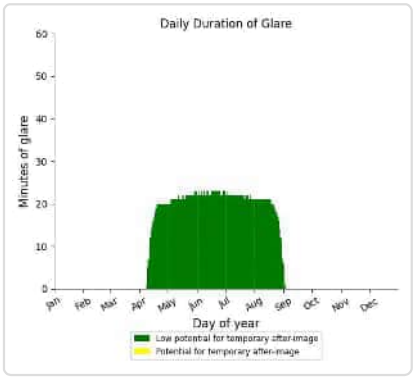


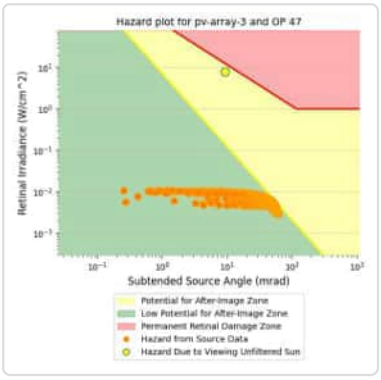
PV array 3: OP 47

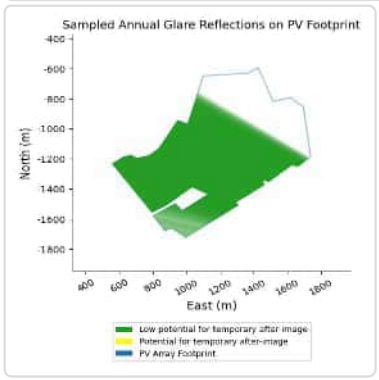
PV array is expected to produce the following glare for this receptor:

- 2,973 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





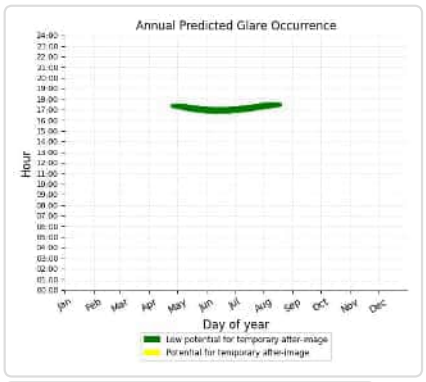


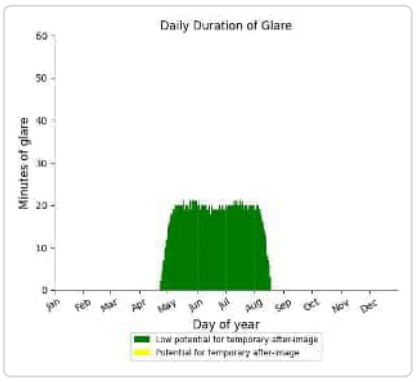


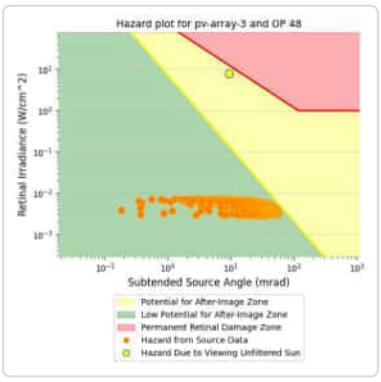
PV array 3: OP 48

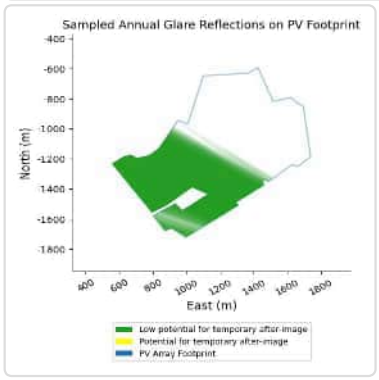
PV array is expected to produce the following glare for this receptor:

- 2,121 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





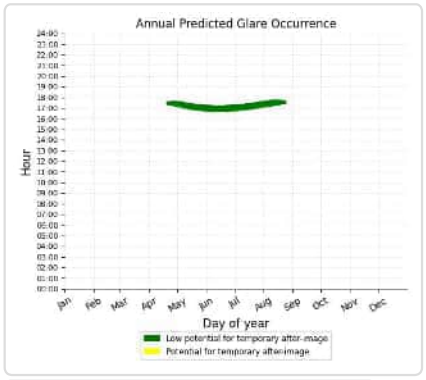


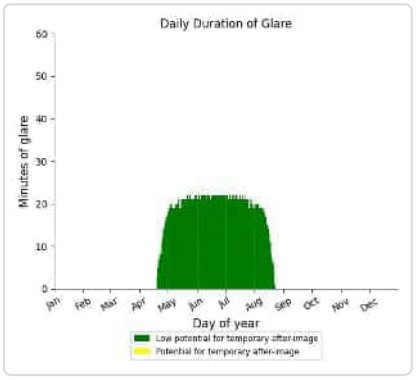


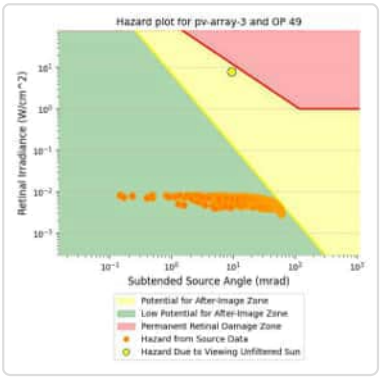
PV array 3: OP 49

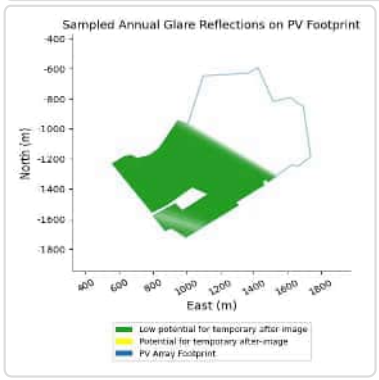
PV array is expected to produce the following glare for this receptor:

- 2,403 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





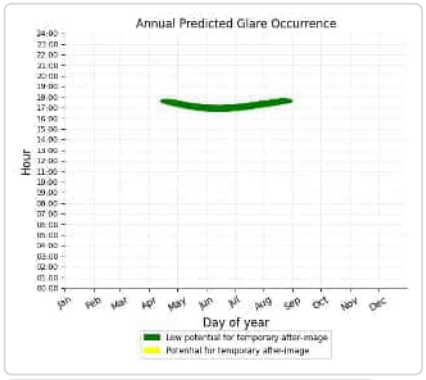


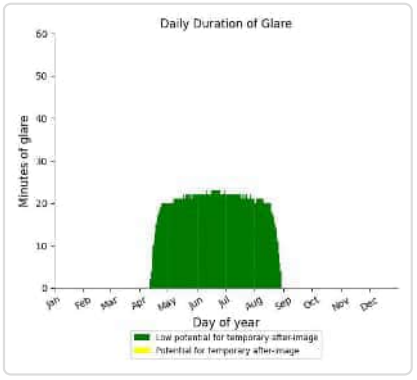


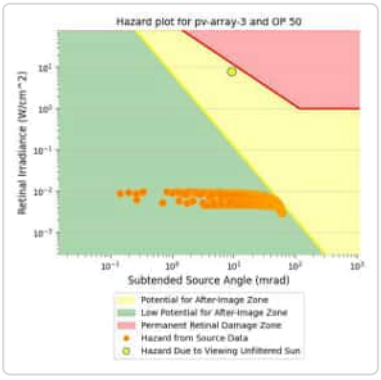
PV array 3: OP 50

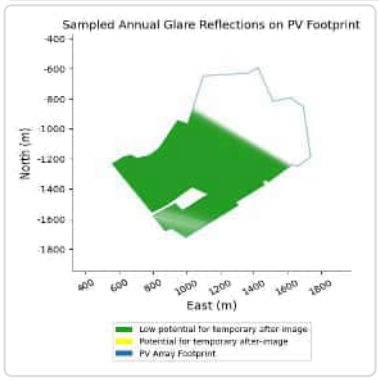
PV array is expected to produce the following glare for this receptor:

- 2,779 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





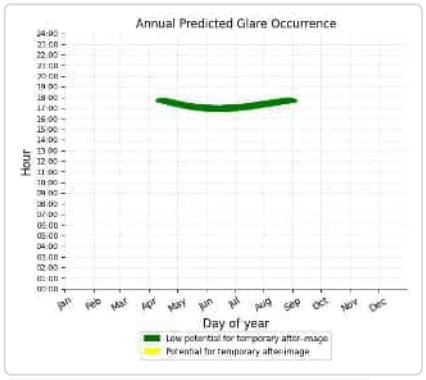


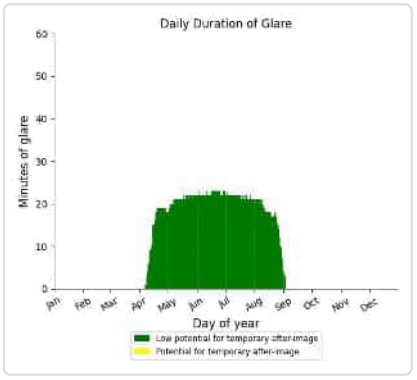


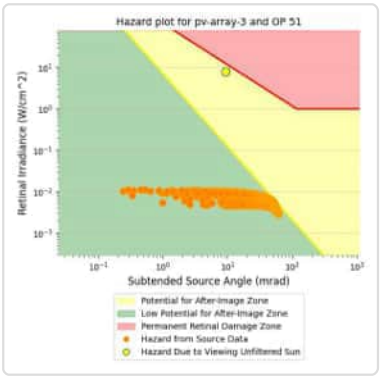
PV array 3: OP 51

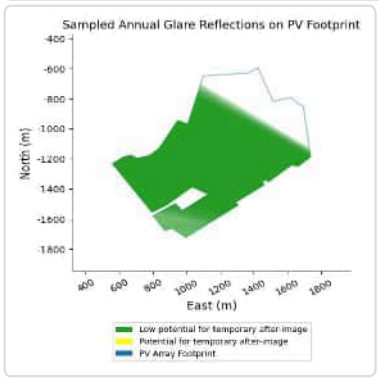
PV array is expected to produce the following glare for this receptor:

- 2,877 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





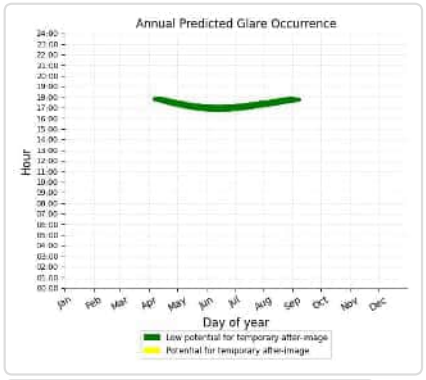


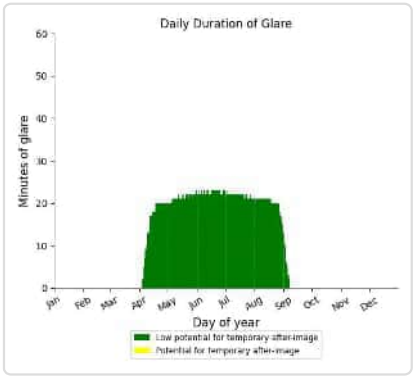


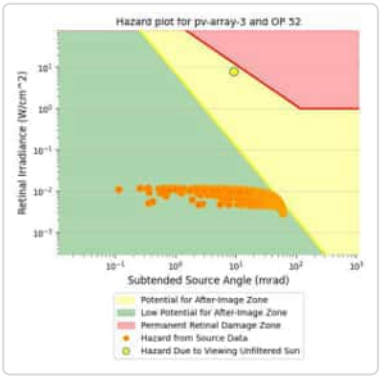
PV array 3: OP 52

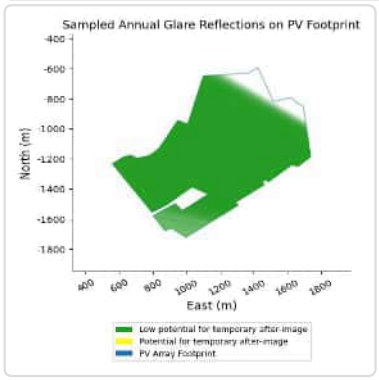
PV array is expected to produce the following glare for this receptor:

- 3,108 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





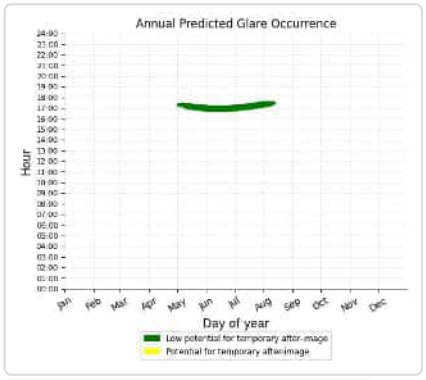


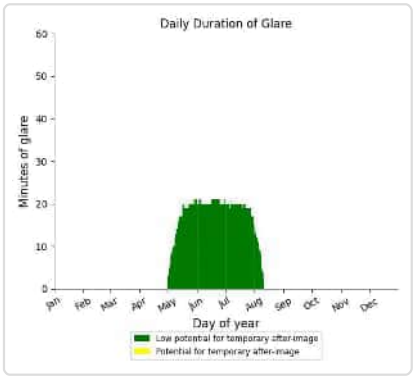


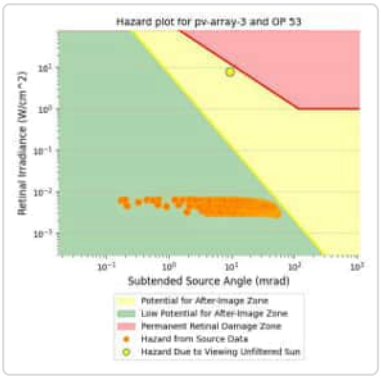
PV array 3: OP 53

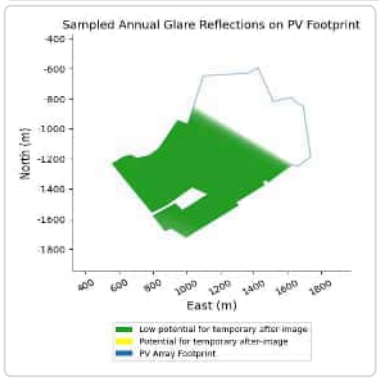
PV array is expected to produce the following glare for this receptor:

- 1,791 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





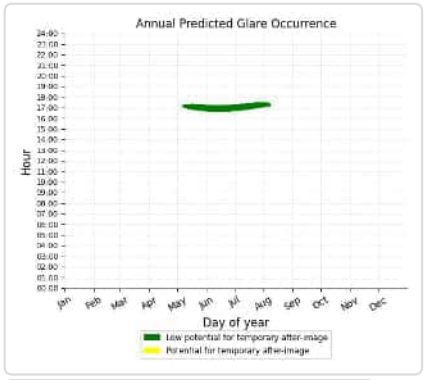


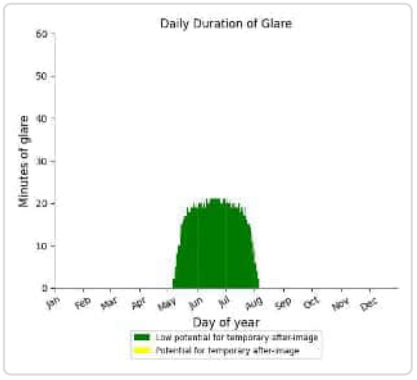


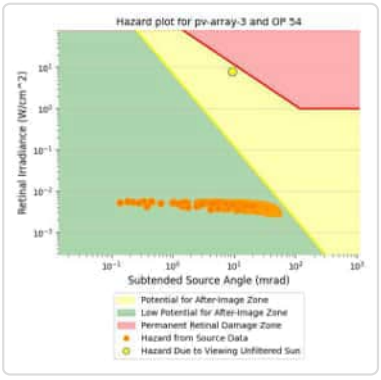
PV array 3: OP 54

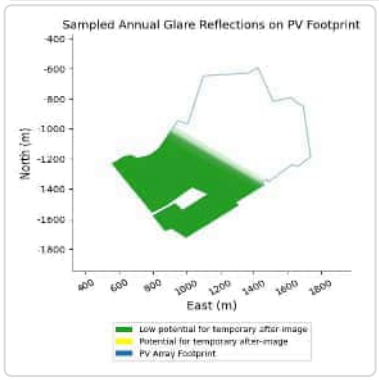
PV array is expected to produce the following glare for this receptor:

- 1,539 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





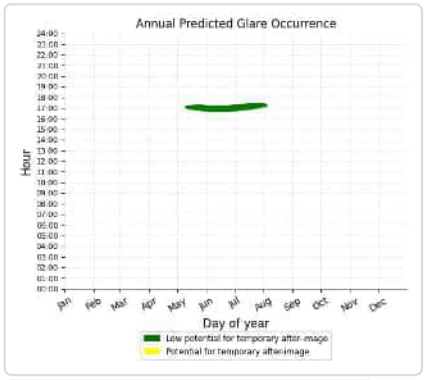


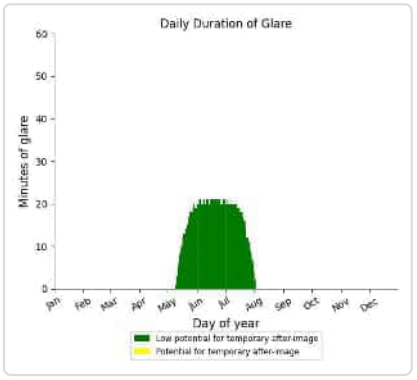


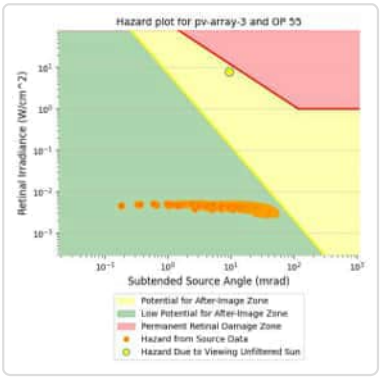
PV array 3: OP 55

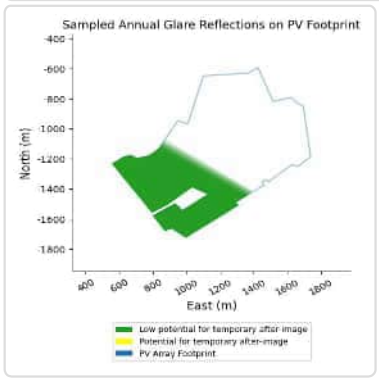
PV array is expected to produce the following glare for this receptor:

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





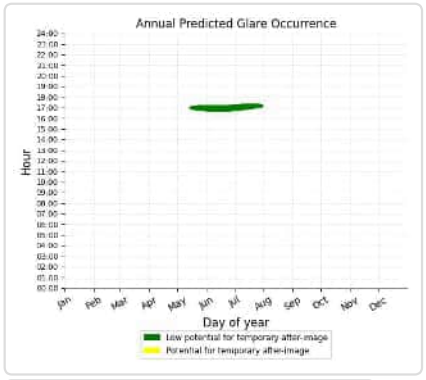


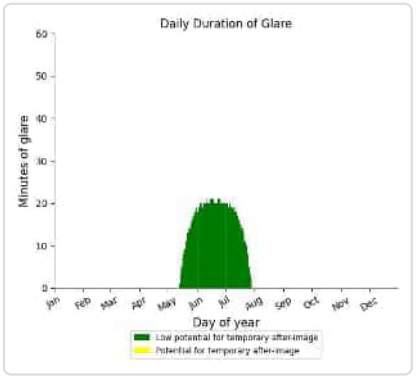


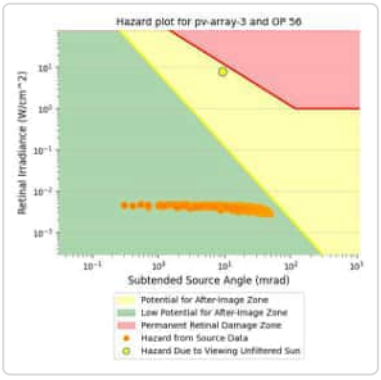
PV array 3: OP 56

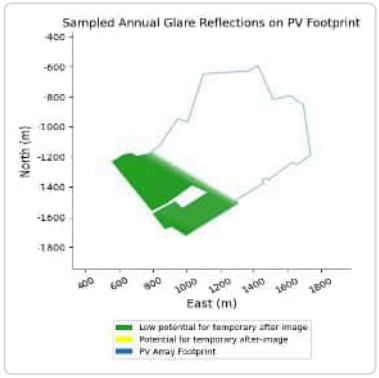
PV array is expected to produce the following glare for this receptor:

- 1,236 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





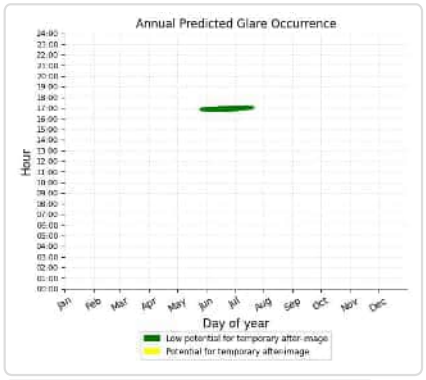


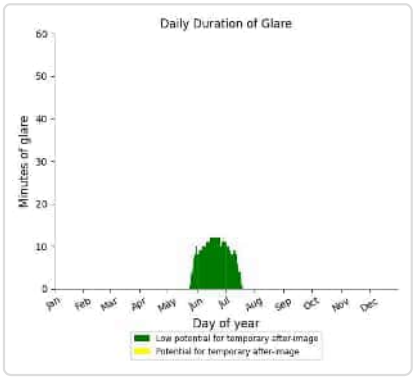


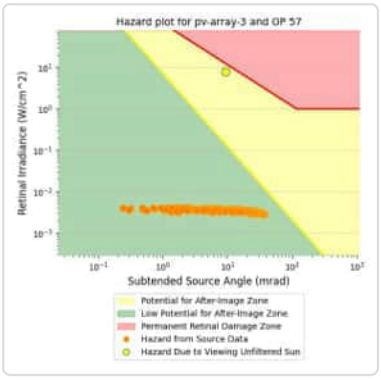
PV array 3: OP 57

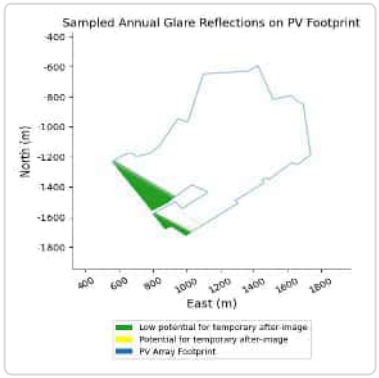
PV array is expected to produce the following glare for this receptor:

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





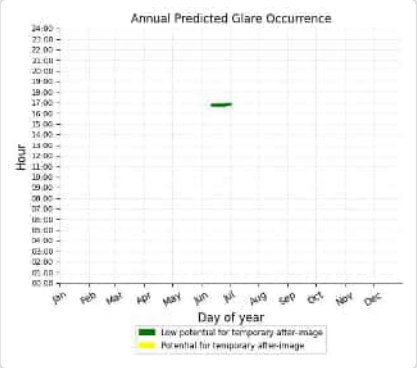


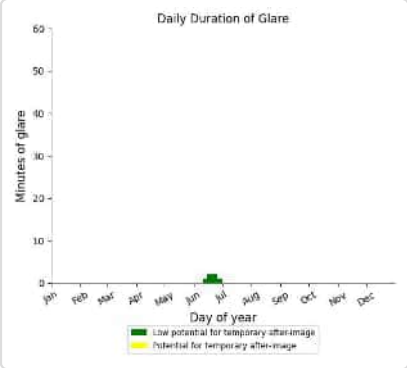


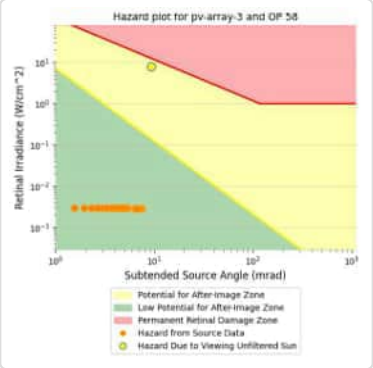
PV array 3: OP 58

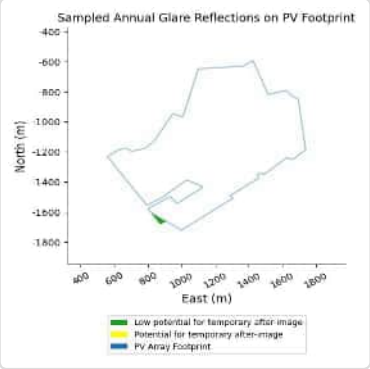
PV array is expected to produce the following glare for this receptor:

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









PV array 3: OP 59

No glare found

PV array 3: OP 60

No glare found

PV array 3: OP 61

No glare found

PV array 3: OP 62

No glare found

PV array 3: OP 63

No glare found

PV array 3: OP 64

No glare found

PV array 3: OP 65

No glare found

PV array 3: OP 66

No glare found

PV array 3: OP 67

No glare found

PV array 3: OP 68
No glare found

PV array 3: OP 69
No glare found

PV array 3: OP 70
No glare found

PV array 3: OP 71
No glare found

PV array 3: OP 72
No glare found

PV array 3: OP 73
No glare found

PV array 3: OP 74
No glare found

PV array 3: OP 75
No glare found

PV array 3: OP 76
No glare found

PV array 3: OP 77
No glare found

PV array 3: OP 78
No glare found

PV array 3: OP 79
No glare found

PV array 4 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	368	0
OP: OP 4	769	0
OP: OP 5	1170	139
OP: OP 6	1515	570
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0

OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	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	3530	0
OP: OP 23	3551	0
OP: OP 24	3625	2
OP: OP 25	3699	0
OP: OP 26	3457	275
OP: OP 27	3014	476
OP: OP 28	2368	236
OP: OP 29	0	0
OP: OP 30	16	0
OP: OP 31	1169	268
OP: OP 32	0	0
OP: OP 33	1207	762
OP: OP 34	2050	1589
OP: OP 35	1630	3221
OP: OP 36	2878	3269
OP: OP 37	2274	7825
OP: OP 38	1783	8318
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	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	80	0
OP: OP 52	905	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0

OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

PV array 4: OP 1

No glare found

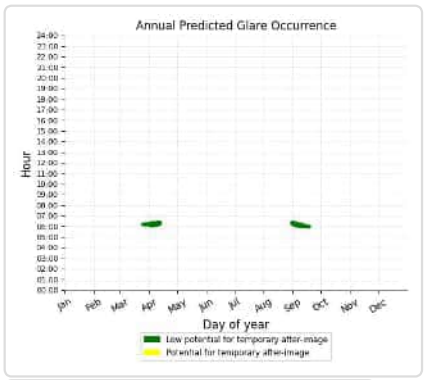
PV array 4: OP 2

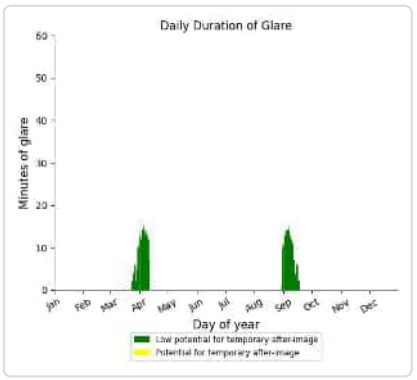
No glare found

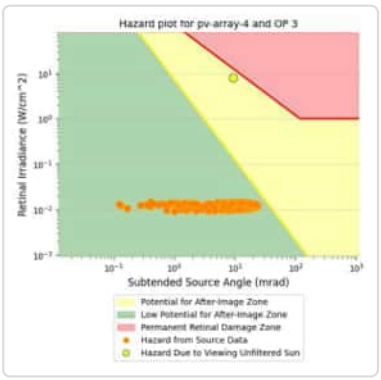
PV array 4: OP 3

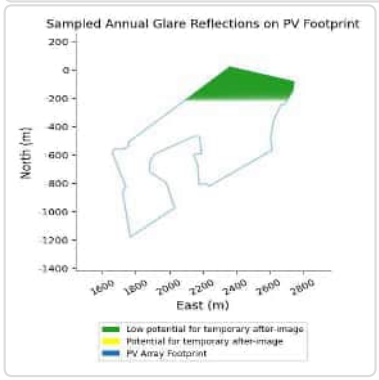
PV array is expected to produce the following glare for this receptor:

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





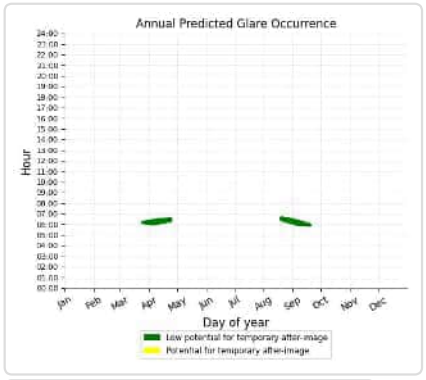


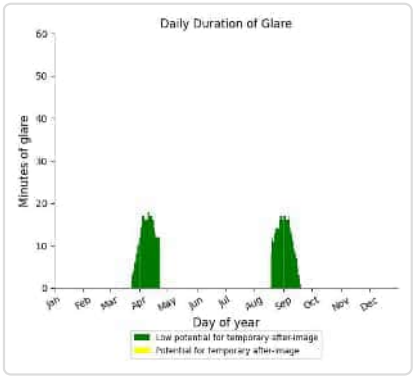


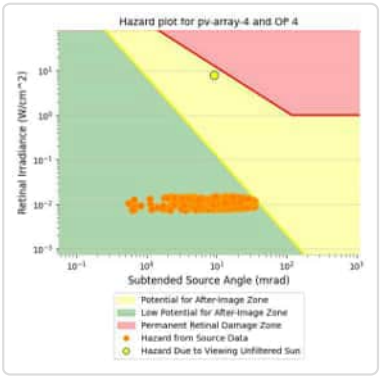
PV array 4: OP 4

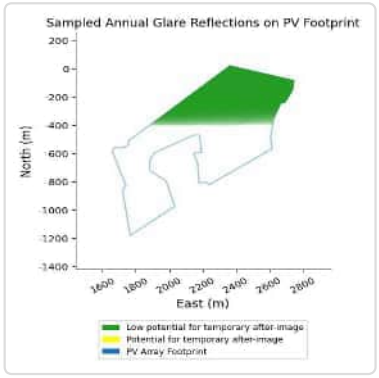
PV array is expected to produce the following glare for this receptor:

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





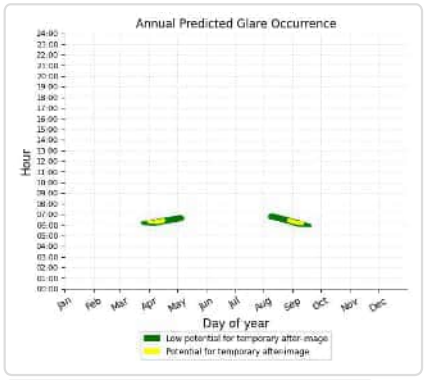


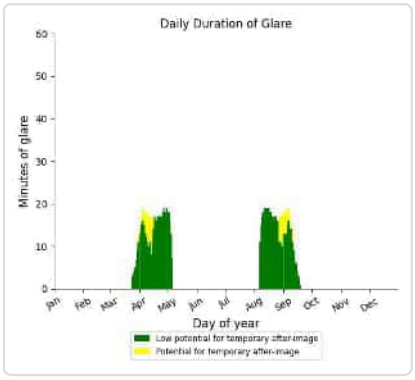


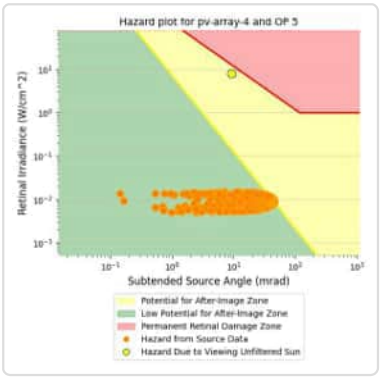
PV array 4: OP 5

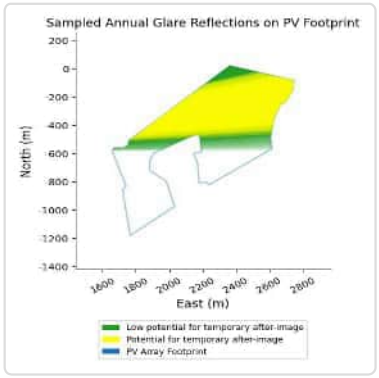
PV array is expected to produce the following glare for this receptor:

- 1,170 minutes of "green" glare with low potential to cause temporary after-image.
- 139 minutes of "yellow" glare with potential to cause temporary after-image.





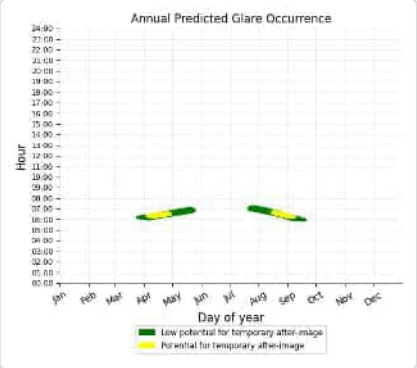


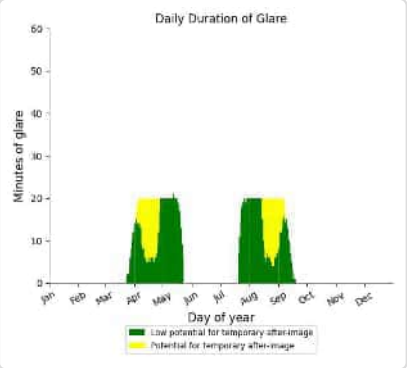


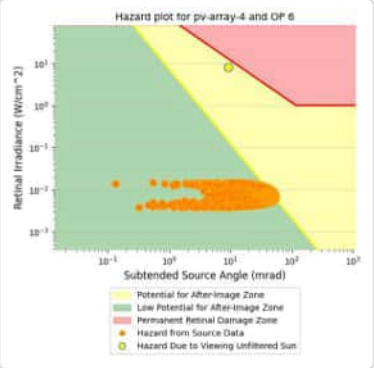
PV array 4: OP 6

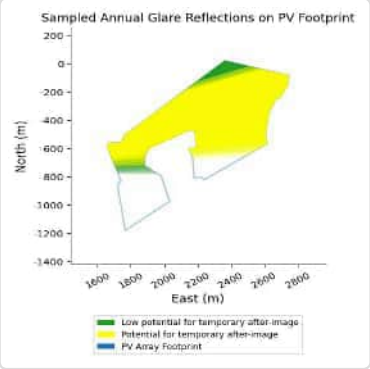
PV array is expected to produce the following glare for this receptor:

- 1,515 minutes of "green" glare with low potential to cause temporary after-image.
- 570 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 4: OP 7

No glare found

PV array 4: OP 8

No glare found

PV array 4: OP 9

No glare found

PV array 4: OP 10

No glare found

PV array 4: OP 11

No glare found

PV array 4: OP 12

No glare found

PV array 4: OP 13

No glare found

PV array 4: OP 14

No glare found

PV array 4: OP 15

No glare found

PV array 4: OP 16

No glare found

PV array 4: OP 17

No glare found

PV array 4: OP 18

No glare found

PV array 4: OP 19

No glare found

PV array 4: OP 20

No glare found

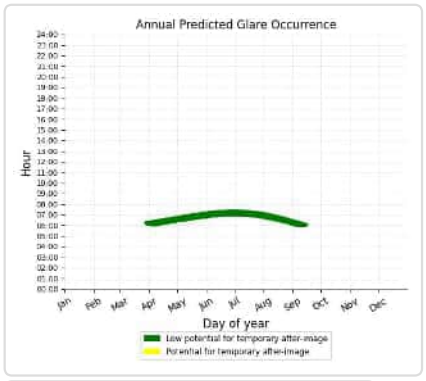
PV array 4: OP 21

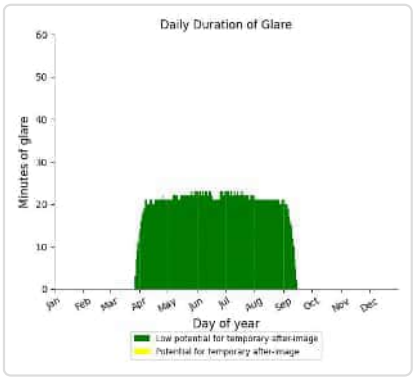
No glare found

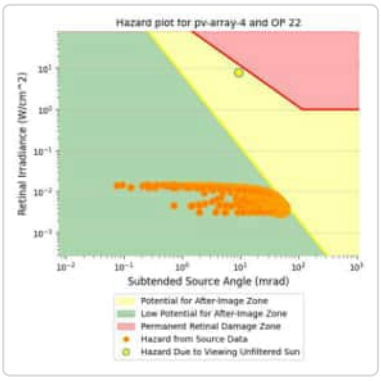
PV array 4: OP 22

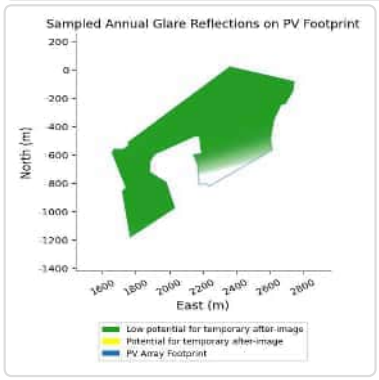
PV array is expected to produce the following glare for this receptor:

- 3,530 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





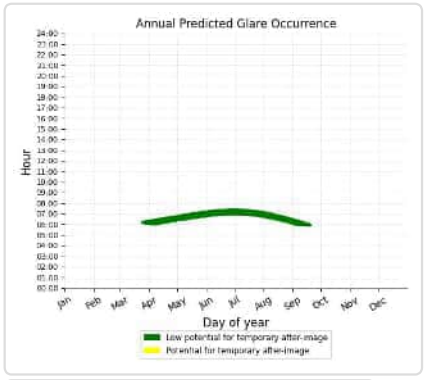


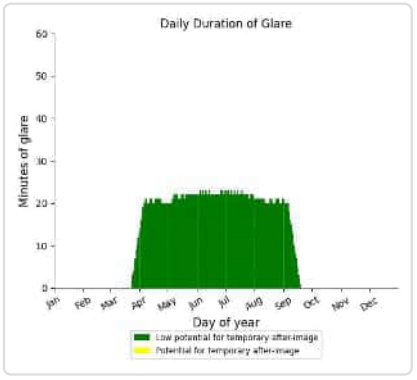


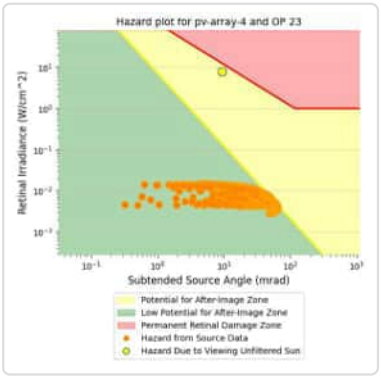
PV array 4: OP 23

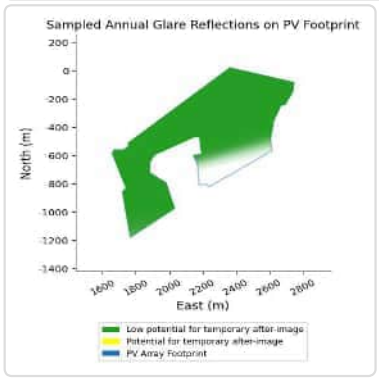
PV array is expected to produce the following glare for this receptor:

- 3,551 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





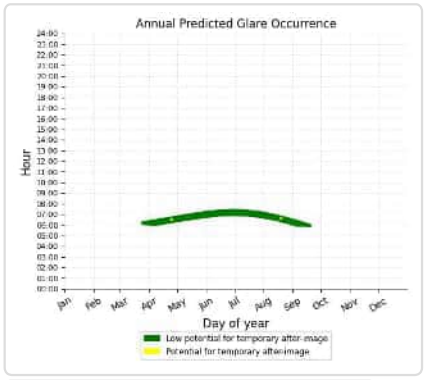


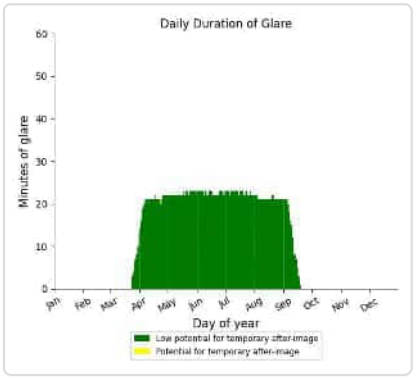


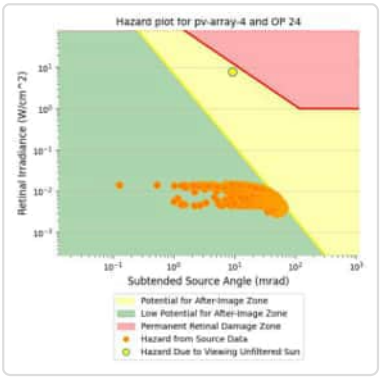
PV array 4: OP 24

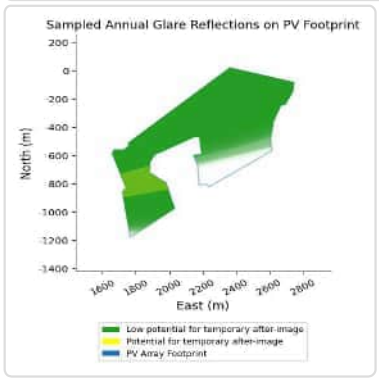
PV array is expected to produce the following glare for this receptor:

- 3,625 minutes of "green" glare with low potential to cause temporary after-image.
- 2 minutes of "yellow" glare with potential to cause temporary after-image.





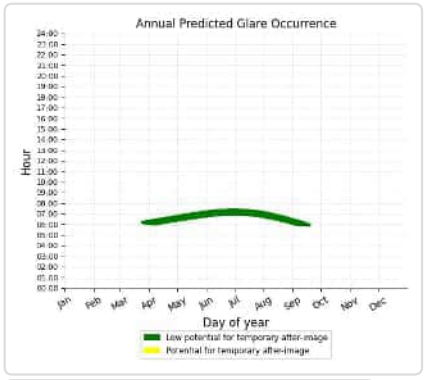


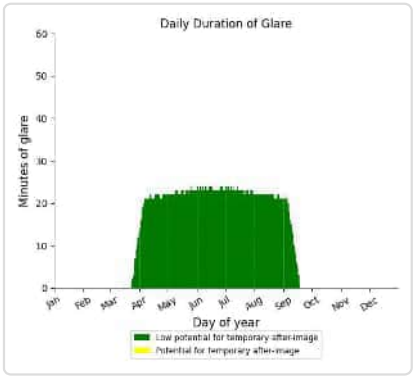


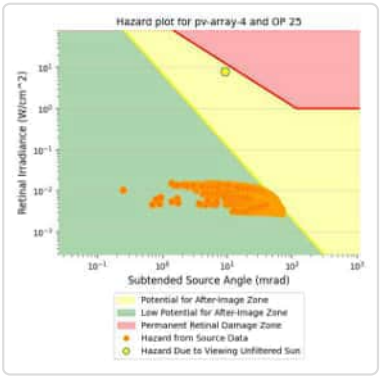
PV array 4: OP 25

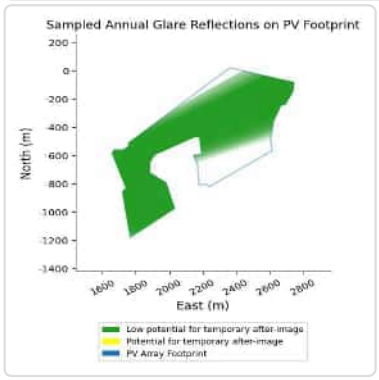
PV array is expected to produce the following glare for this receptor:

- 3,699 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





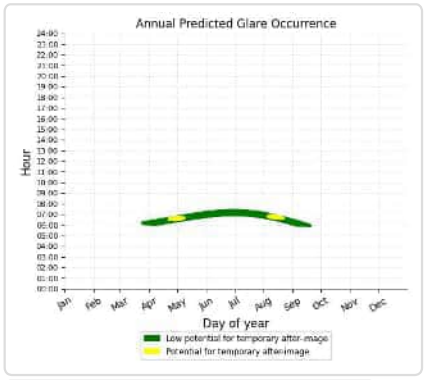


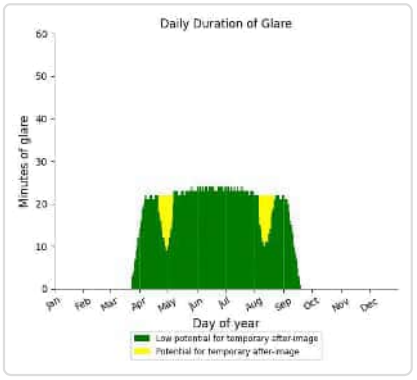


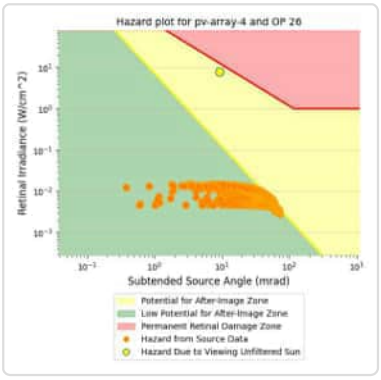
PV array 4: OP 26

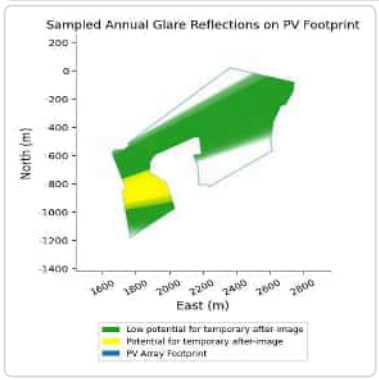
PV array is expected to produce the following glare for this receptor:

- 3,457 minutes of "green" glare with low potential to cause temporary after-image.
- 275 minutes of "yellow" glare with potential to cause temporary after-image.





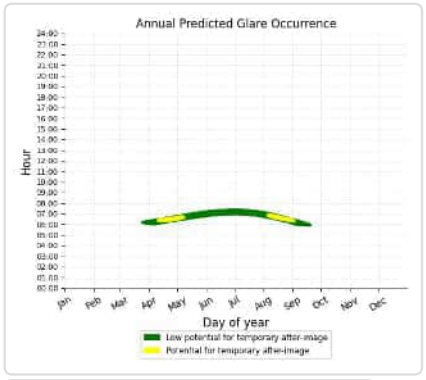


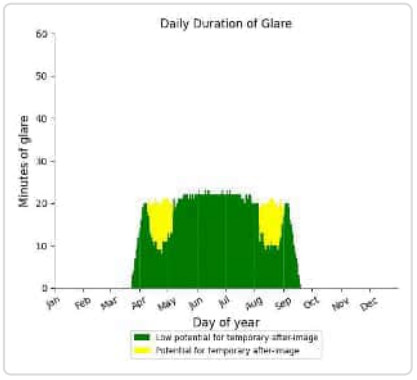


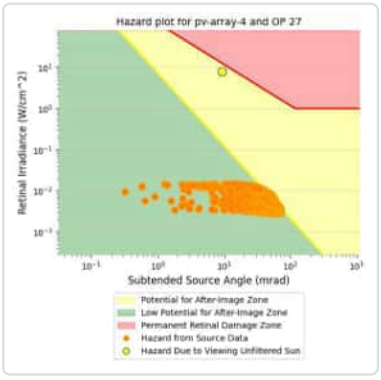
PV array 4: OP 27

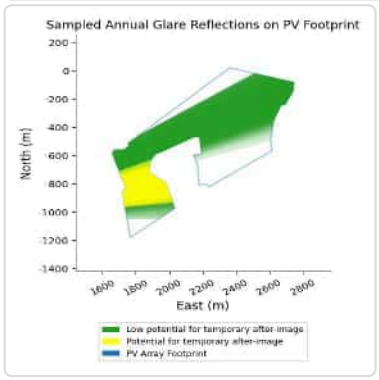
PV array is expected to produce the following glare for this receptor:

- 3,014 minutes of "green" glare with low potential to cause temporary after-image.
- 476 minutes of "yellow" glare with potential to cause temporary after-image.





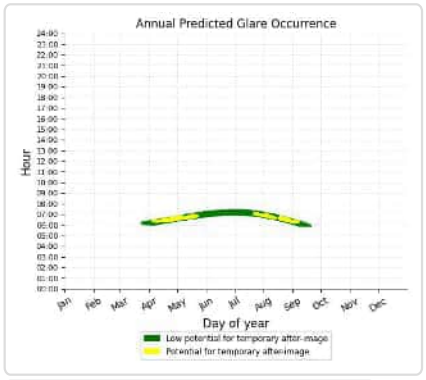


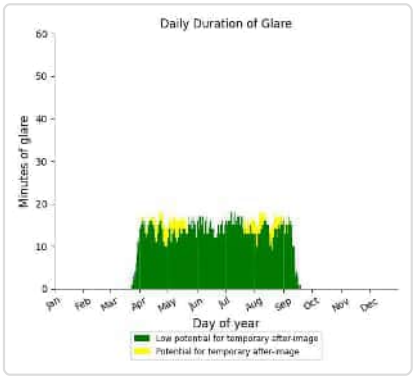


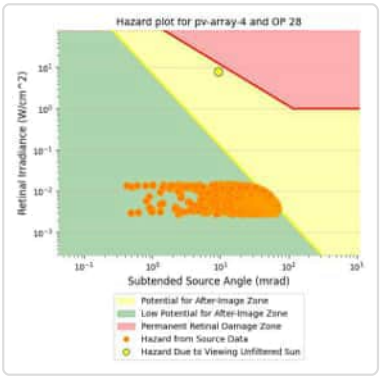
PV array 4: OP 28

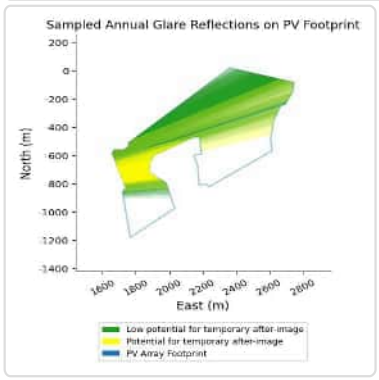
PV array is expected to produce the following glare for this receptor:

- 2,368 minutes of "green" glare with low potential to cause temporary after-image.
- 236 minutes of "yellow" glare with potential to cause temporary after-image.









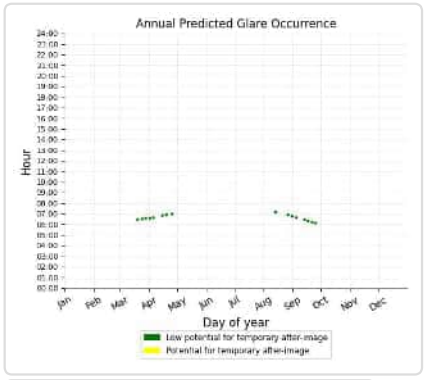
PV array 4: OP 29

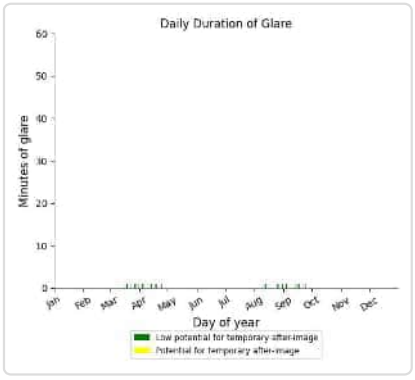
No glare found

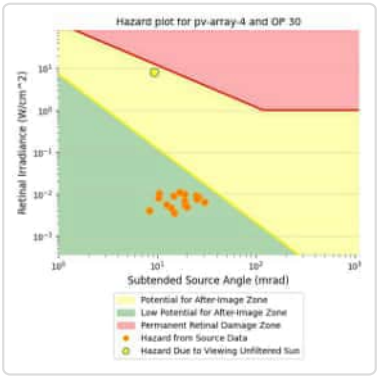
PV array 4: OP 30

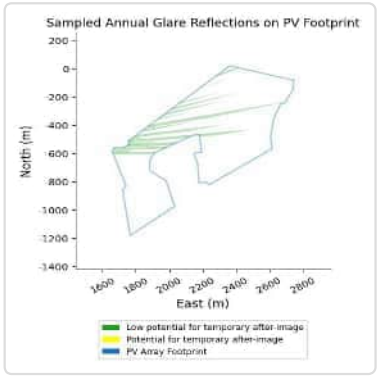
PV array is expected to produce the following glare for this receptor:

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





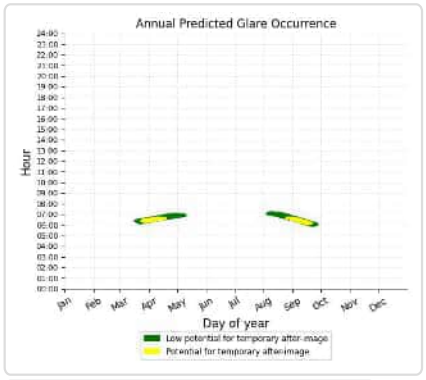


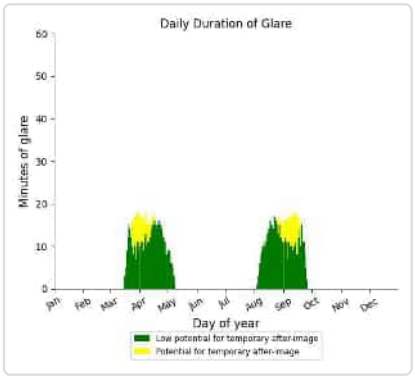


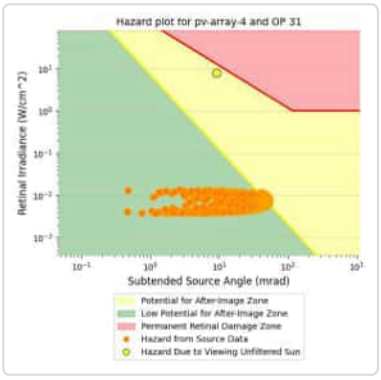
PV array 4: OP 31

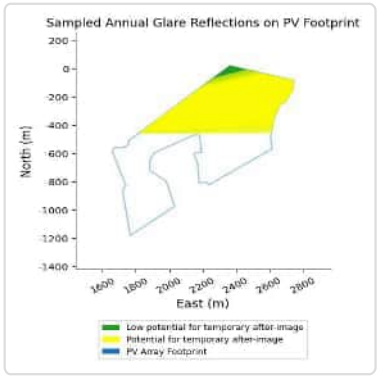
PV array is expected to produce the following glare for this receptor:

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









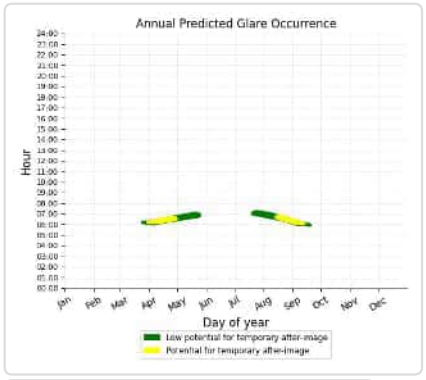
PV array 4: OP 32

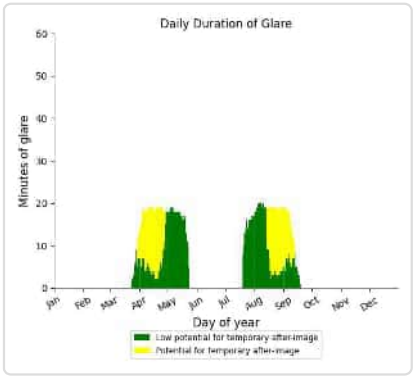
No glare found

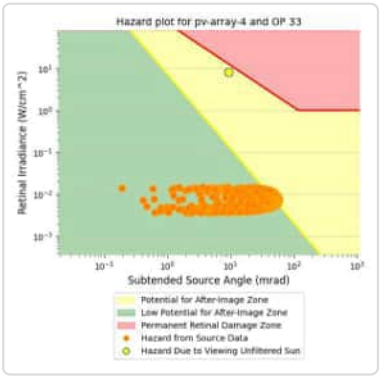
PV array 4: OP 33

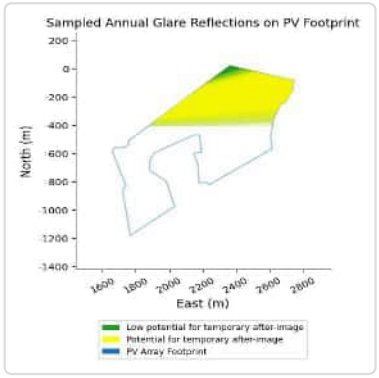
PV array is expected to produce the following glare for this receptor:

- 1,207 minutes of "green" glare with low potential to cause temporary after-image.
- 762 minutes of "yellow" glare with potential to cause temporary after-image.





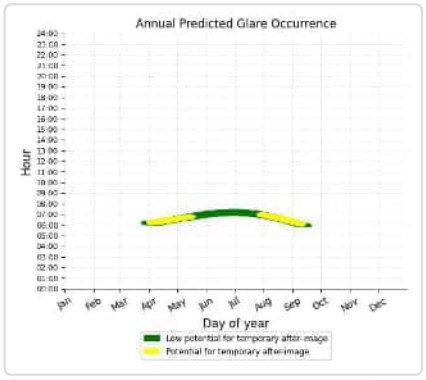


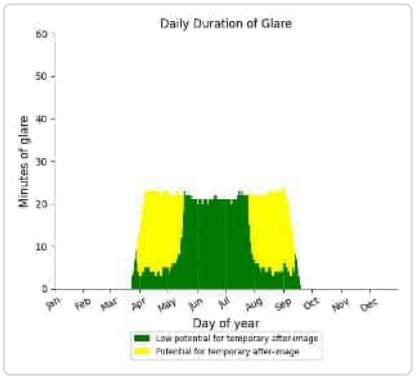


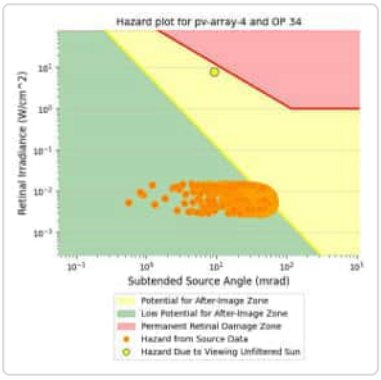
PV array 4: OP 34

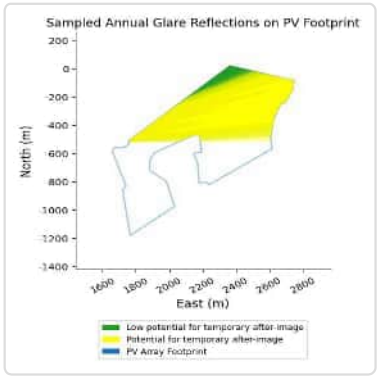
PV array is expected to produce the following glare for this receptor:

- 2,050 minutes of "green" glare with low potential to cause temporary after-image.
- 1,589 minutes of "yellow" glare with potential to cause temporary after-image.





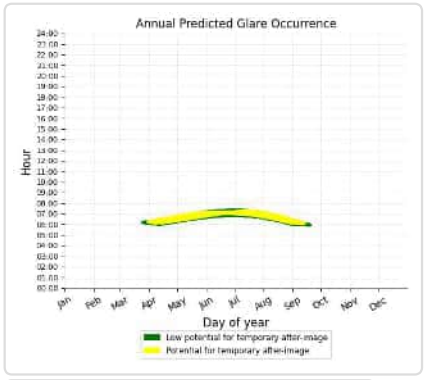


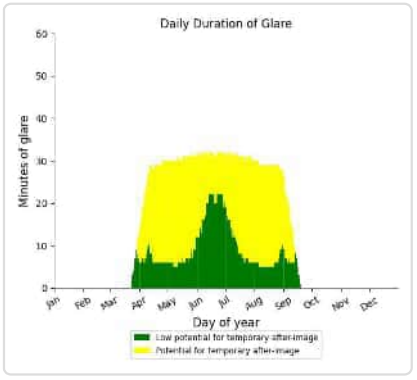


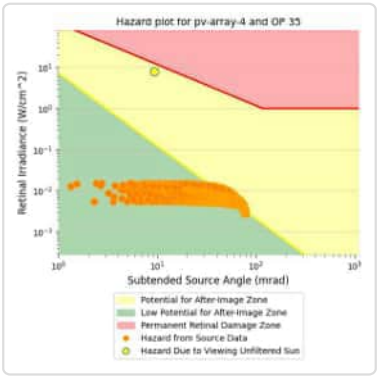
PV array 4: OP 35

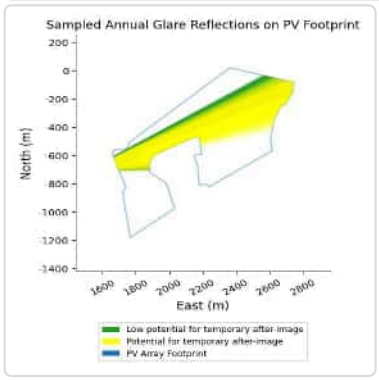
PV array is expected to produce the following glare for this receptor:

- 1,630 minutes of "green" glare with low potential to cause temporary after-image.
- 3,221 minutes of "yellow" glare with potential to cause temporary after-image.





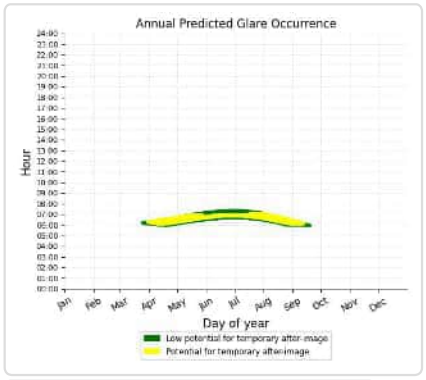


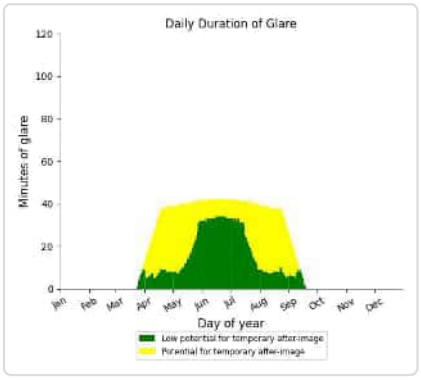


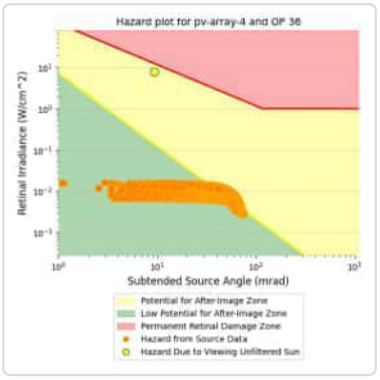
PV array 4: OP 36

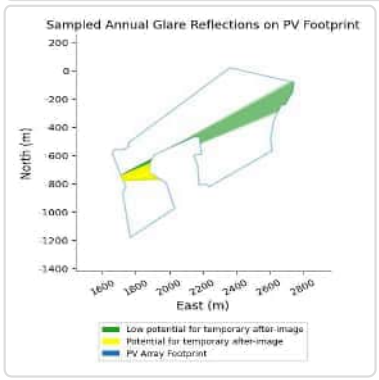
PV array is expected to produce the following glare for this receptor:

- 2,878 minutes of "green" glare with low potential to cause temporary after-image.
- 3,269 minutes of "yellow" glare with potential to cause temporary after-image.





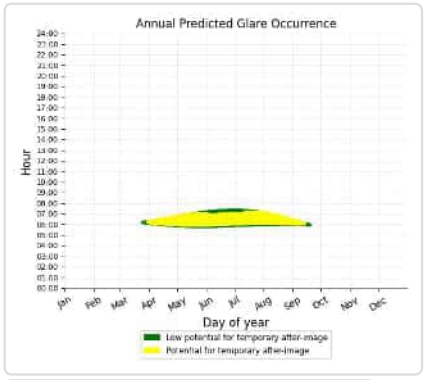


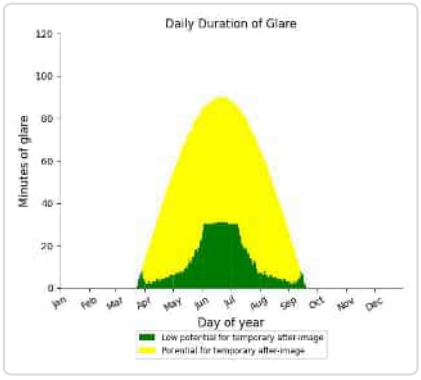


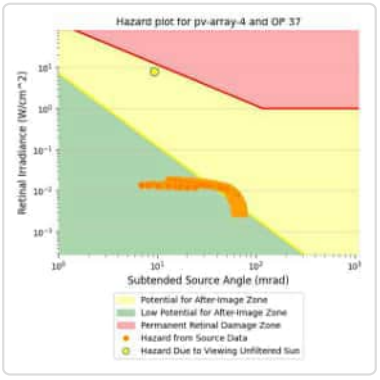
PV array 4: OP 37

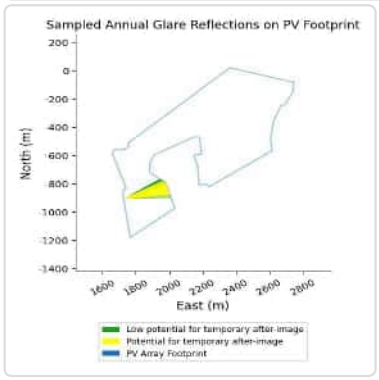
PV array is expected to produce the following glare for this receptor:

- 2,274 minutes of "green" glare with low potential to cause temporary after-image.
- 7,825 minutes of "yellow" glare with potential to cause temporary after-image.





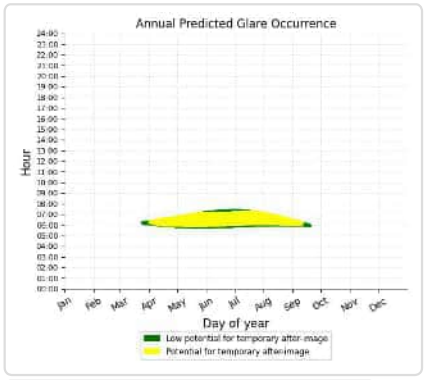


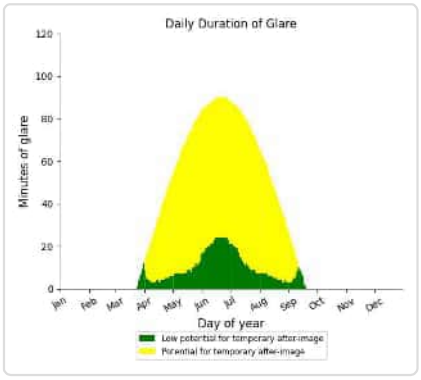


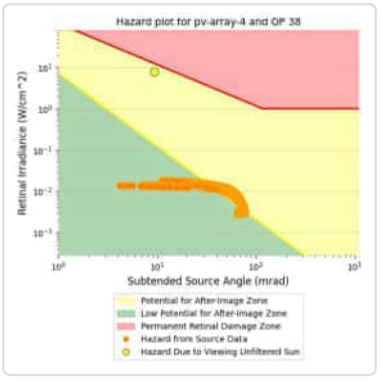
PV array 4: OP 38

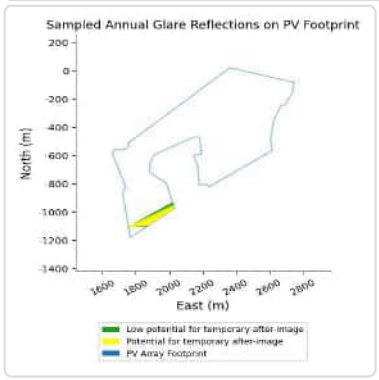
PV array is expected to produce the following glare for this receptor:

- 1,783 minutes of "green" glare with low potential to cause temporary after-image.
- 8,318 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 4: OP 39

No glare found

PV array 4: OP 40

No glare found

PV array 4: OP 41

No glare found

PV array 4: OP 42

No glare found

PV array 4: OP 43

No glare found

PV array 4: OP 44

No glare found

PV array 4: OP 45

No glare found

PV array 4: OP 46

No glare found

PV array 4: OP 47

No glare found

PV array 4: OP 48

No glare found

PV array 4: OP 49

No glare found

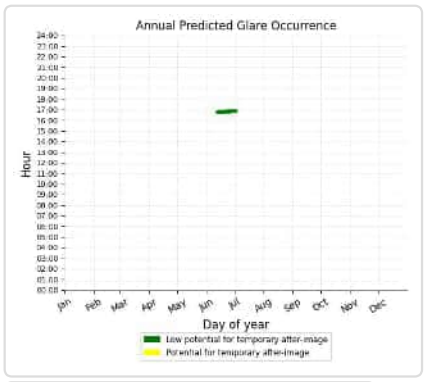
PV array 4: OP 50

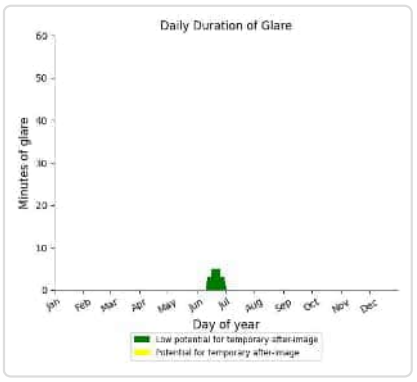
No glare found

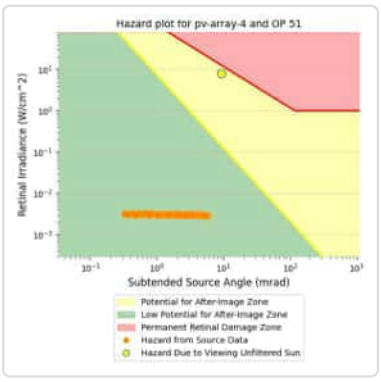
PV array 4: OP 51

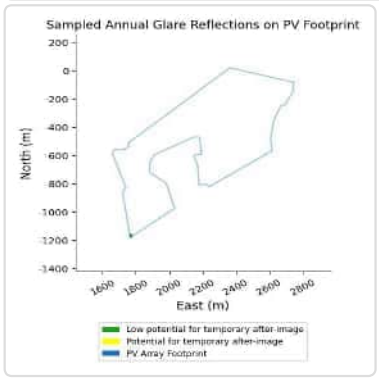
PV array is expected to produce the following glare for this receptor:

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





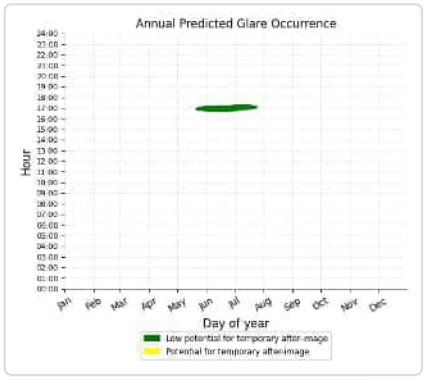


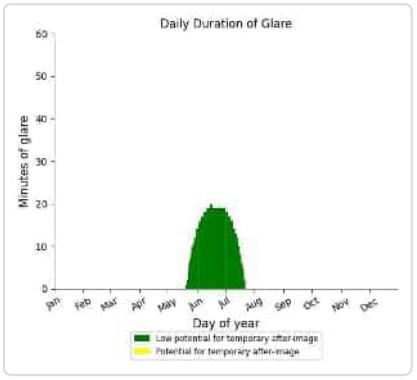


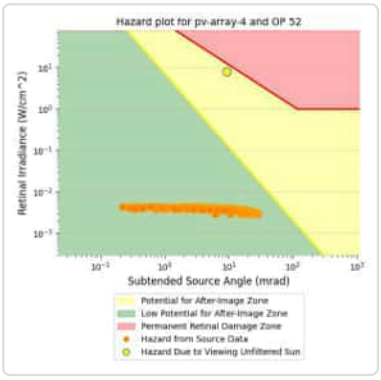
PV array 4: OP 52

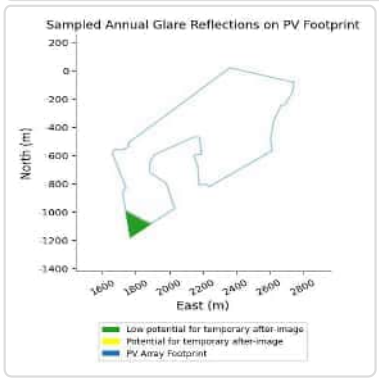
PV array is expected to produce the following glare for this receptor:

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









PV array 4: OP 53

No glare found

PV array 4: OP 54
No glare found

PV array 4: OP 55
No glare found

PV array 4: OP 56
No glare found

PV array 4: OP 57
No glare found

PV array 4: OP 58
No glare found

PV array 4: OP 59
No glare found

PV array 4: OP 60
No glare found

PV array 4: OP 61
No glare found

PV array 4: OP 62
No glare found

PV array 4: OP 63
No glare found

PV array 4: OP 64
No glare found

PV array 4: OP 65
No glare found

PV array 4: OP 66
No glare found

PV array 4: OP 67
No glare found

PV array 4: OP 68
No glare found

PV array 4: OP 69
No glare found

PV array 4: OP 70
No glare found

PV array 4: OP 71
No glare found

PV array 4: OP 72
No glare found

PV array 4: OP 73
No glare found

PV array 4: OP 74
No glare found

PV array 4: OP 75
No glare found

PV array 4: OP 76
No glare found

PV array 4: OP 77
No glare found

PV array 4: OP 78
No glare found

PV array 4: OP 79
No glare found

PV array 6 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	149	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	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	1182	0
OP: OP 23	1041	0
OP: OP 24	1019	0
OP: OP 25	1187	0
OP: OP 26	1235	0
OP: OP 27	683	0
OP: OP 28	470	0
OP: OP 29	333	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	175	0
OP: OP 36	354	0
OP: OP 37	0	0
OP: OP 38	2023	10
OP: OP 39	1886	0
OP: OP 40	2462	0
OP: OP 41	1058	0
OP: OP 42	529	0
OP: OP 43	1131	0
OP: OP 44	749	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
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0

OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

PV array 6: OP 1

No glare found

PV array 6: OP 2

No glare found

PV array 6: OP 3

No glare found

PV array 6: OP 4

No glare found

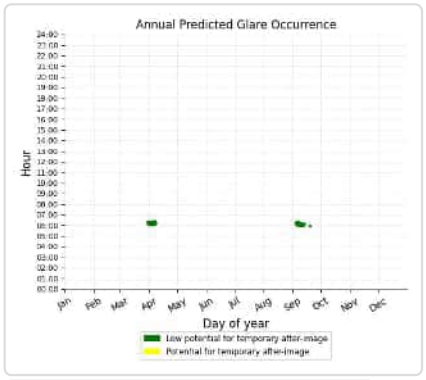
PV array 6: OP 5

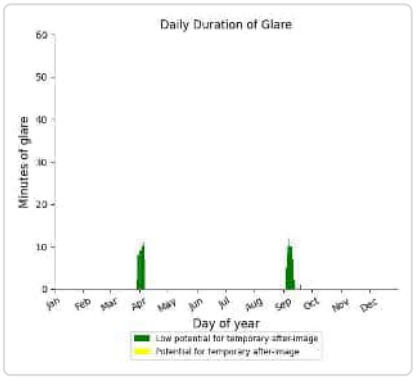
No glare found

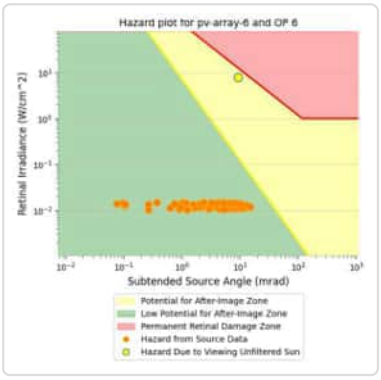
PV array 6: OP 6

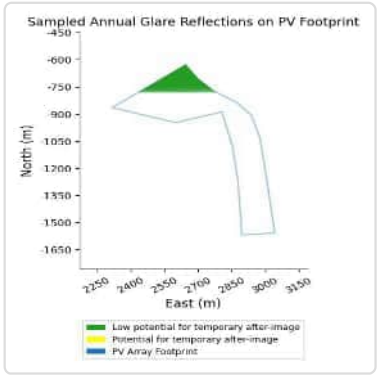
PV array is expected to produce the following glare for this receptor:

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









PV array 6: OP 7

No glare found

PV array 6: OP 8
No glare found

PV array 6: OP 9
No glare found

PV array 6: OP 10
No glare found

PV array 6: OP 11
No glare found

PV array 6: OP 12
No glare found

PV array 6: OP 13
No glare found

PV array 6: OP 14
No glare found

PV array 6: OP 15
No glare found

PV array 6: OP 16
No glare found

PV array 6: OP 17
No glare found

PV array 6: OP 18
No glare found

PV array 6: OP 19
No glare found

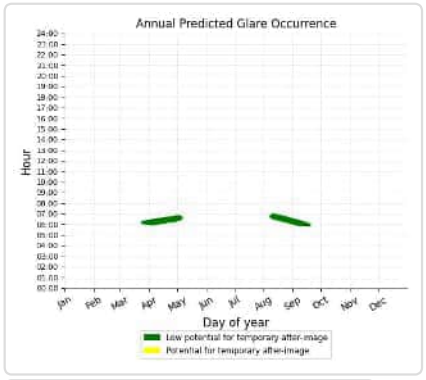
PV array 6: OP 20
No glare found

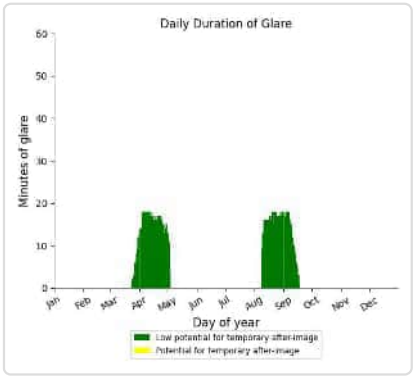
PV array 6: OP 21
No glare found

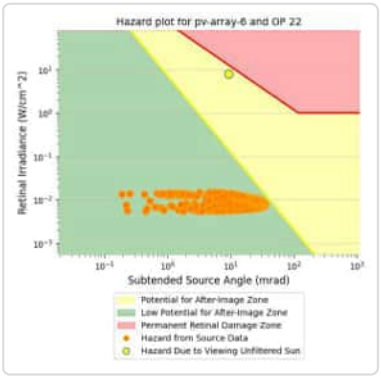
PV array 6: OP 22

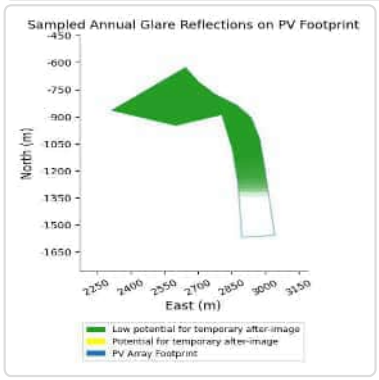
PV array is expected to produce the following glare for this receptor:

- 1,182 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





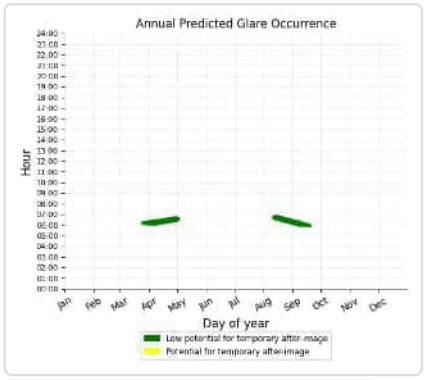


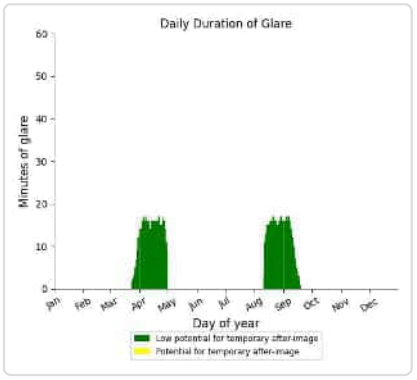


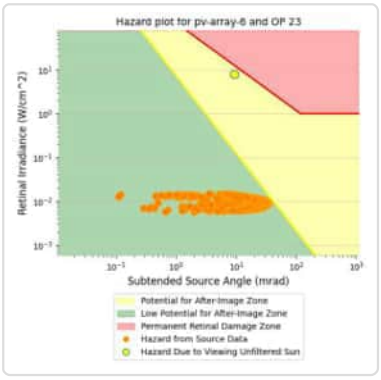
PV array 6: OP 23

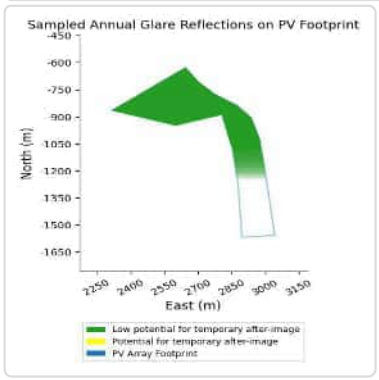
PV array is expected to produce the following glare for this receptor:

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





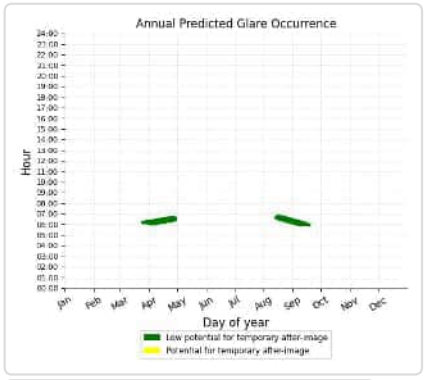


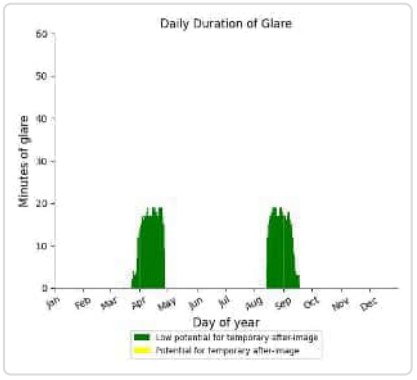


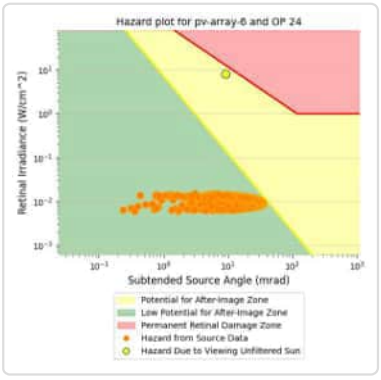
PV array 6: OP 24

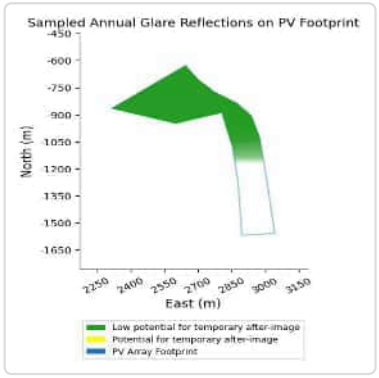
PV array is expected to produce the following glare for this receptor:

- 1,019 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





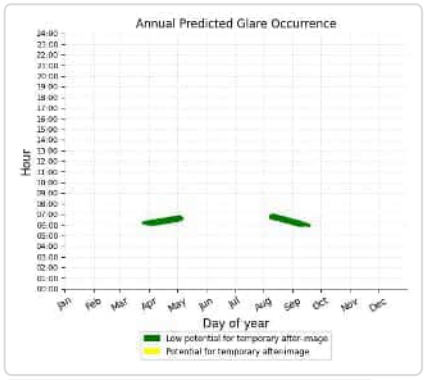


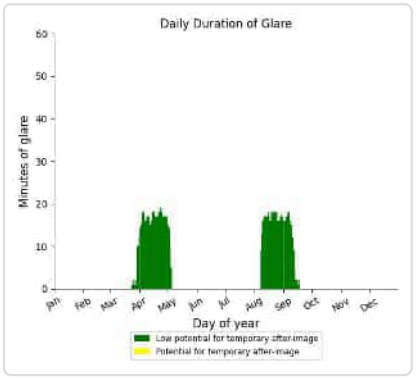


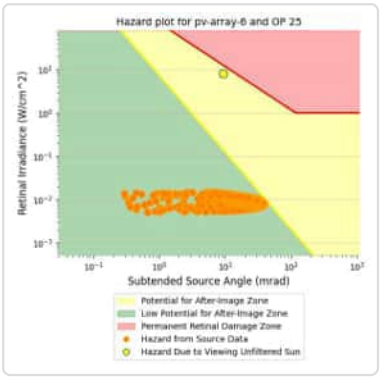
PV array 6: OP 25

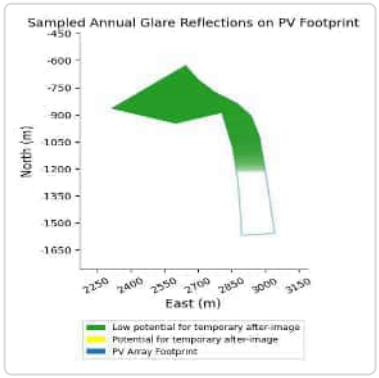
PV array is expected to produce the following glare for this receptor:

- 1,187 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





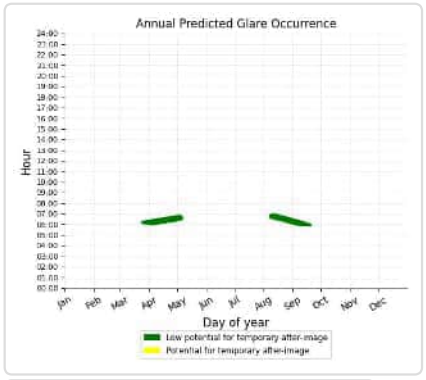


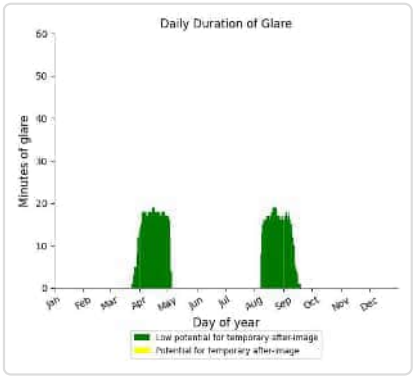


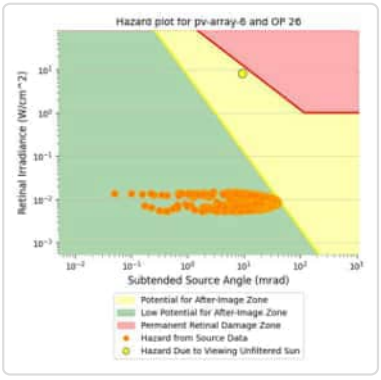
PV array 6: OP 26

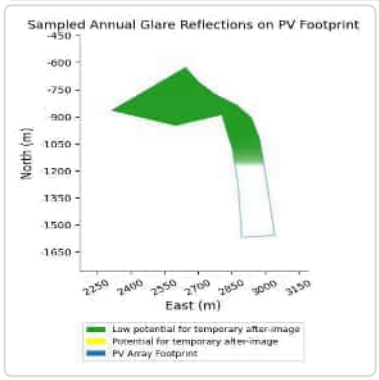
PV array is expected to produce the following glare for this receptor:

- 1,235 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





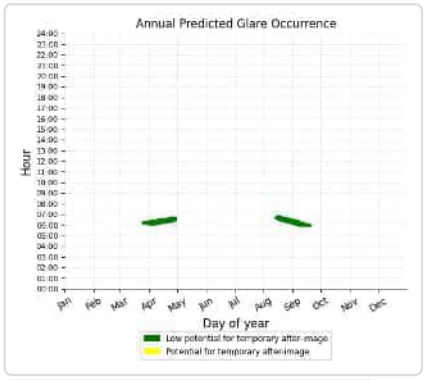


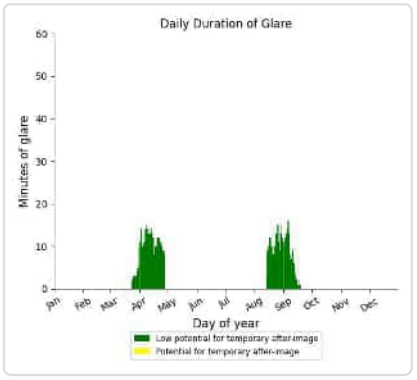


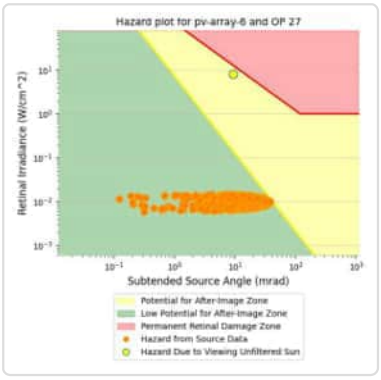
PV array 6: OP 27

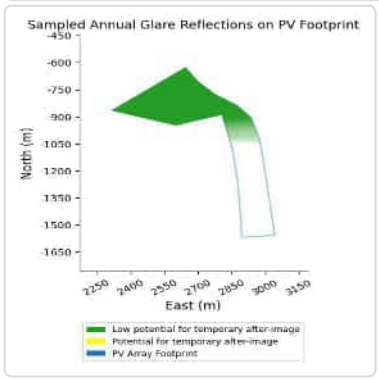
PV array is expected to produce the following glare for this receptor:

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





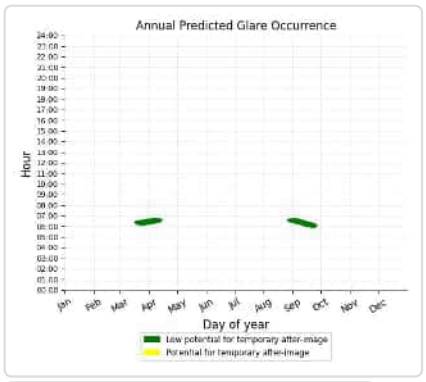


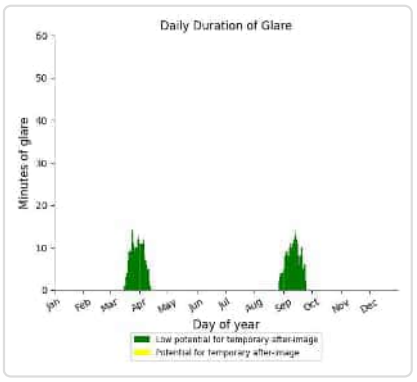


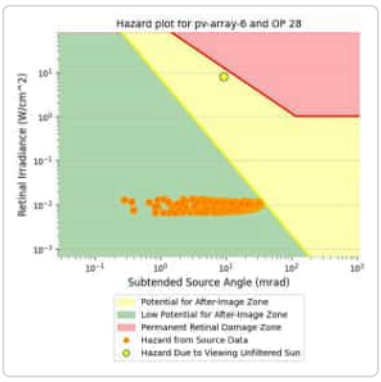
PV array 6: OP 28

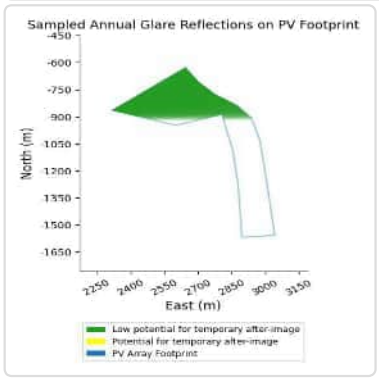
PV array is expected to produce the following glare for this receptor:

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





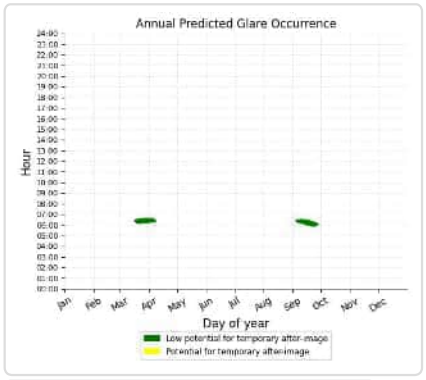


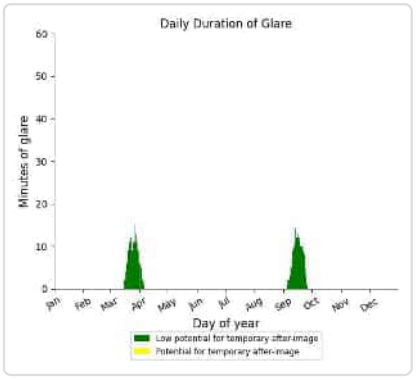


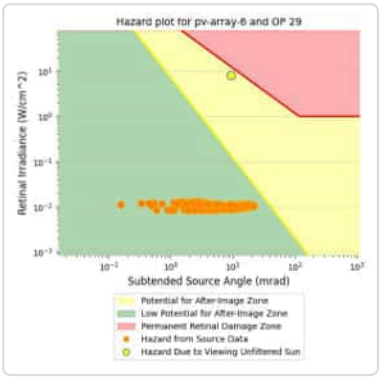
PV array 6: OP 29

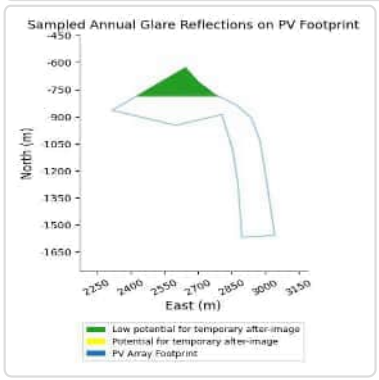
PV array is expected to produce the following glare for this receptor:

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









PV array 6: OP 30

No glare found

PV array 6: OP 31

No glare found

PV array 6: OP 32

No glare found

PV array 6: OP 33

No glare found

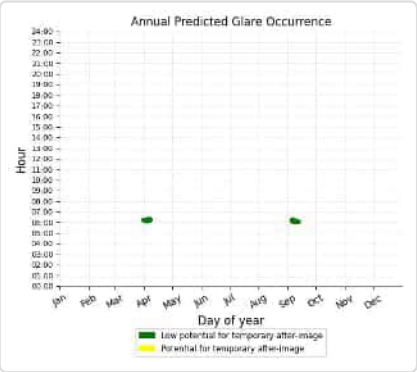
PV array 6: OP 34

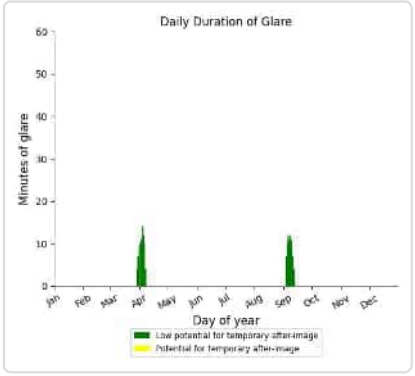
No glare found

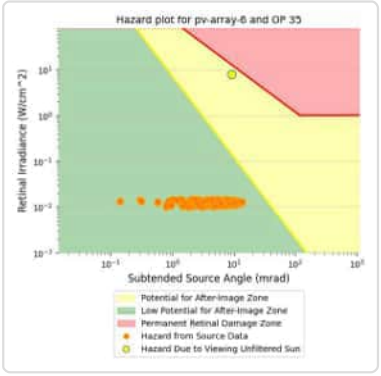
PV array 6: OP 35

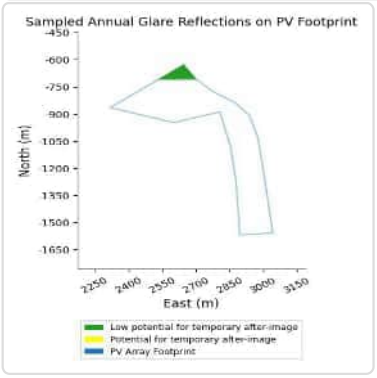
PV array is expected to produce the following glare for this receptor:

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





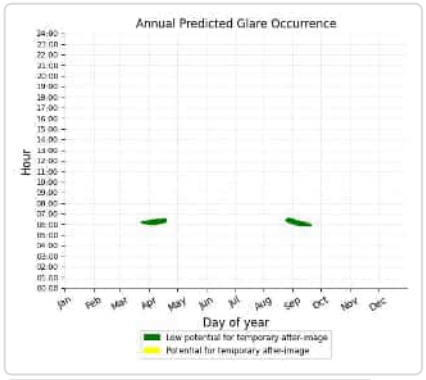


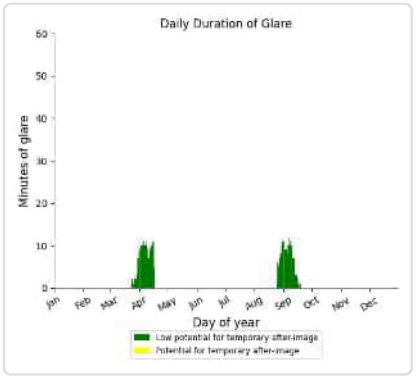


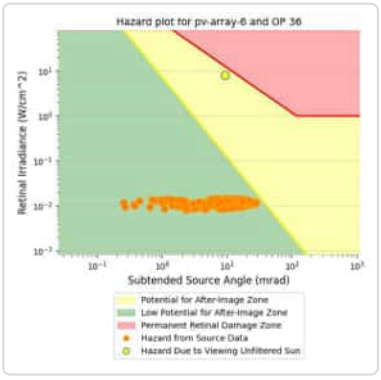
PV array 6: OP 36

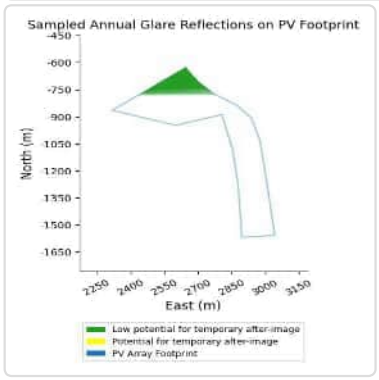
PV array is expected to produce the following glare for this receptor:

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









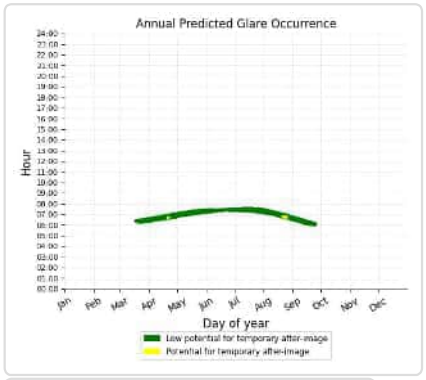
PV array 6: OP 37

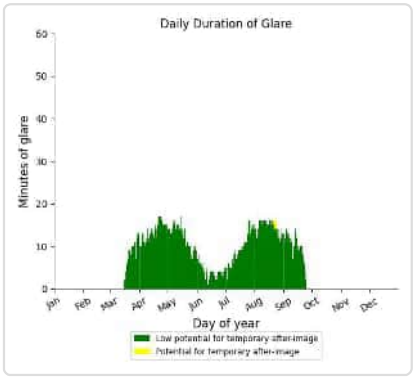
No glare found

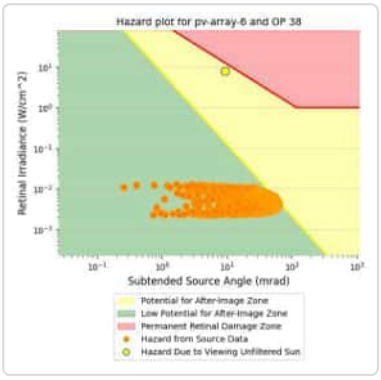
PV array 6: OP 38

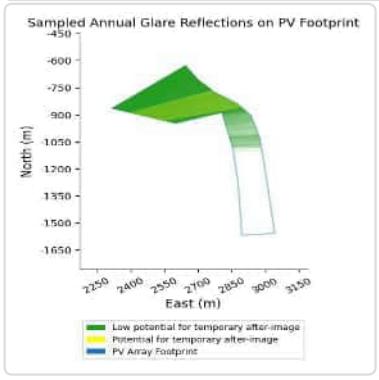
PV array is expected to produce the following glare for this receptor:

- 2,023 minutes of "green" glare with low potential to cause temporary after-image.
- 10 minutes of "yellow" glare with potential to cause temporary after-image.





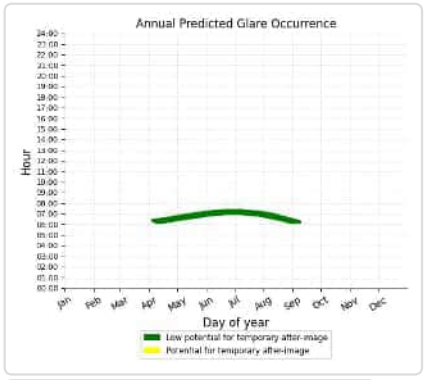


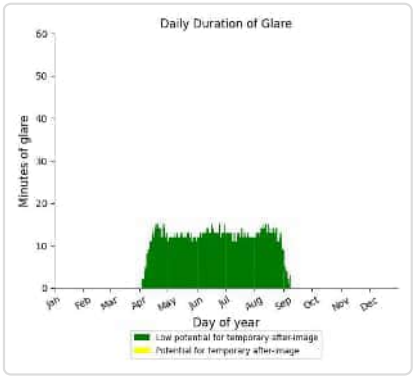


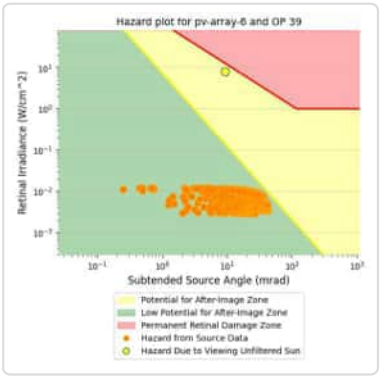
PV array 6: OP 39

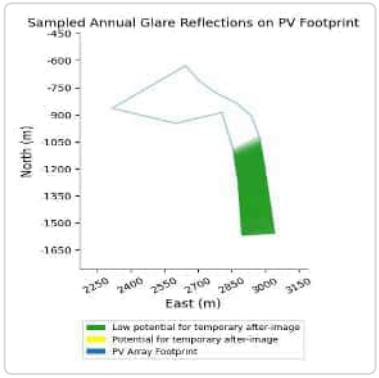
PV array is expected to produce the following glare for this receptor:

- 1,886 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





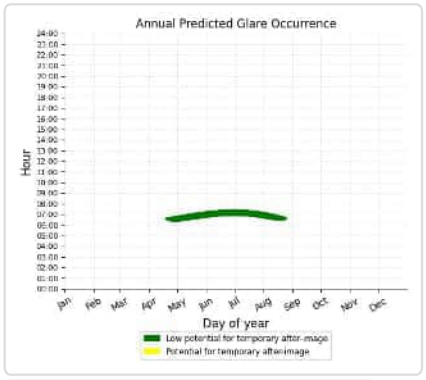


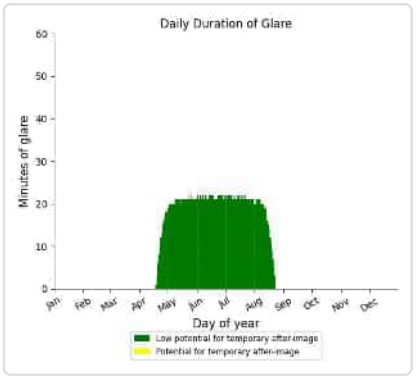


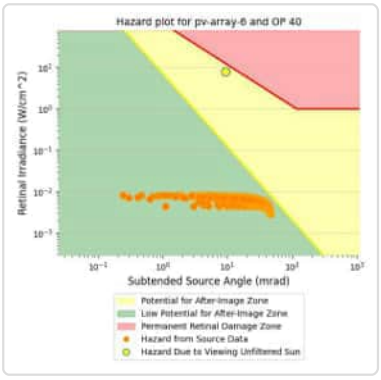
PV array 6: OP 40

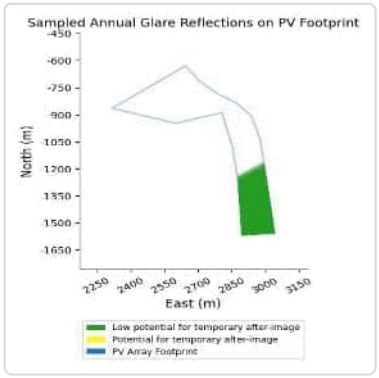
PV array is expected to produce the following glare for this receptor:

- 2,462 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





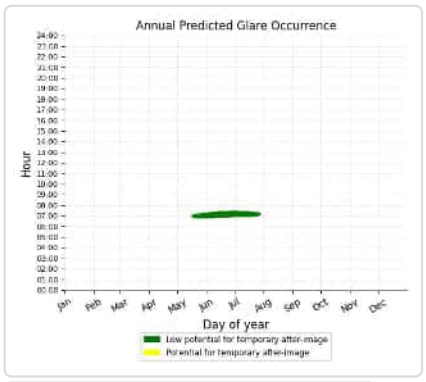


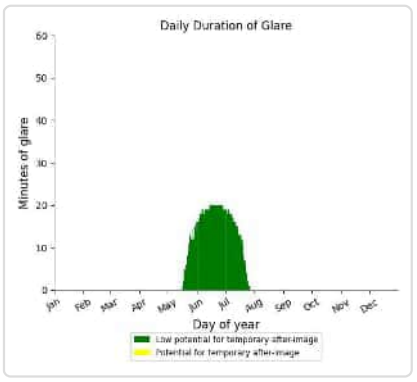


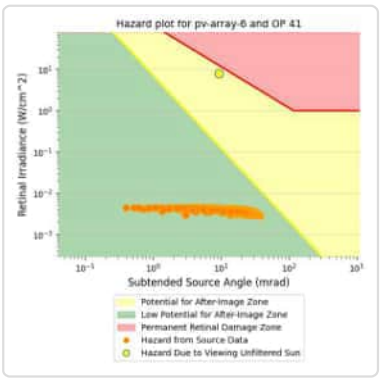
PV array 6: OP 41

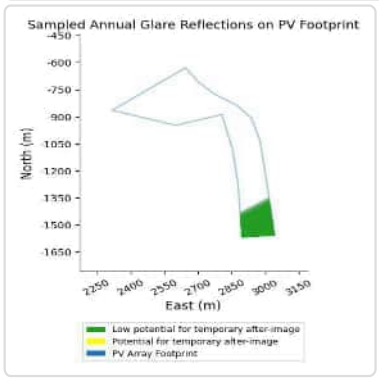
PV array is expected to produce the following glare for this receptor:

- 1,058 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





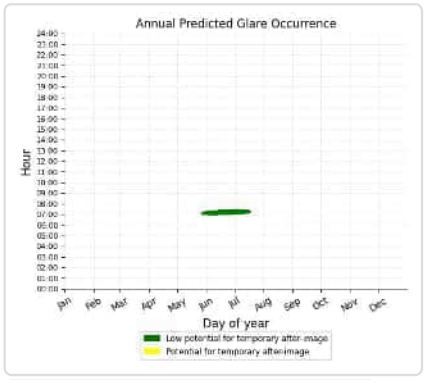


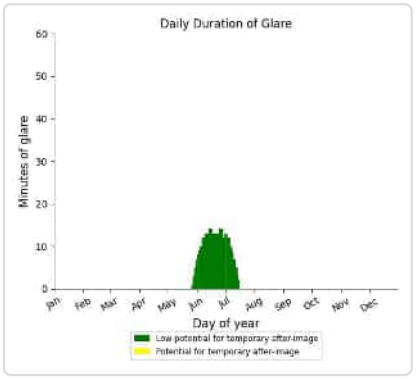


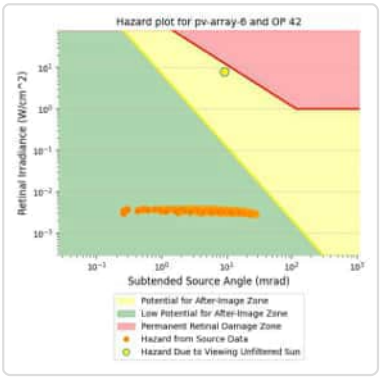
PV array 6: OP 42

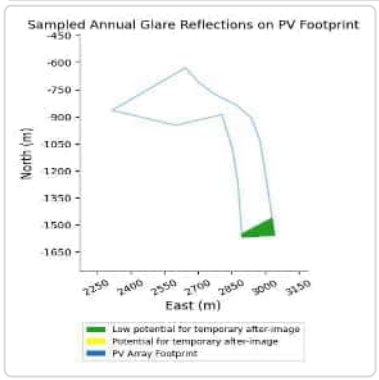
PV array is expected to produce the following glare for this receptor:

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





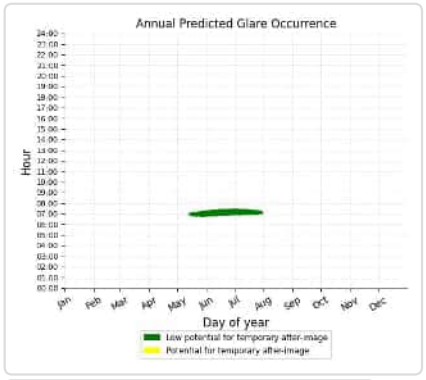


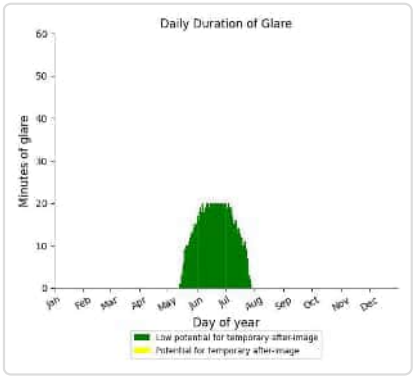


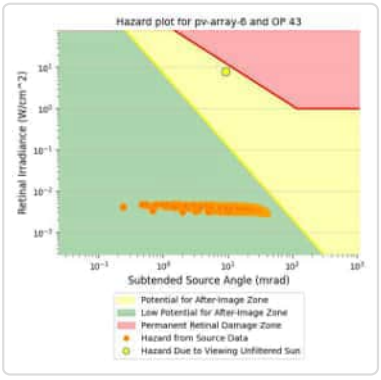
PV array 6: OP 43

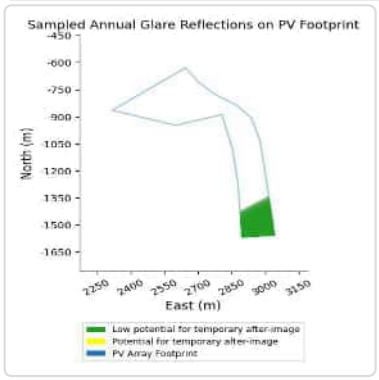
PV array is expected to produce the following glare for this receptor:

- 1,131 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





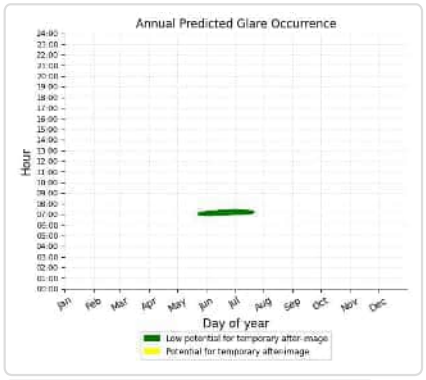


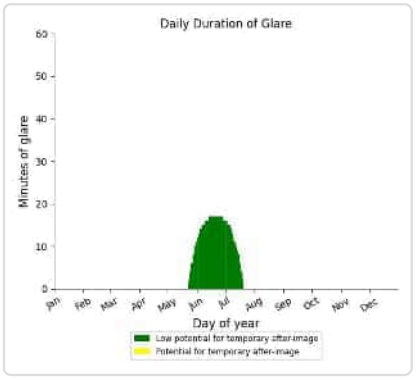


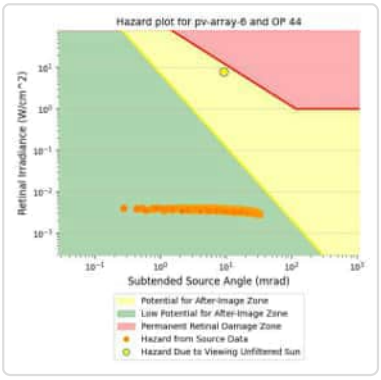
PV array 6: OP 44

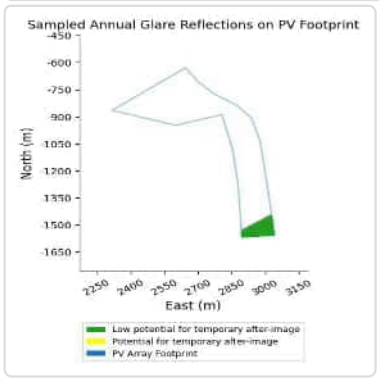
PV array is expected to produce the following glare for this receptor:

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









PV array 6: OP 45

No glare found

PV array 6: OP 46
No glare found

PV array 6: OP 47
No glare found

PV array 6: OP 48
No glare found

PV array 6: OP 49
No glare found

PV array 6: OP 50
No glare found

PV array 6: OP 51
No glare found

PV array 6: OP 52
No glare found

PV array 6: OP 53
No glare found

PV array 6: OP 54
No glare found

PV array 6: OP 55
No glare found

PV array 6: OP 56
No glare found

PV array 6: OP 57
No glare found

PV array 6: OP 58
No glare found

PV array 6: OP 59
No glare found

PV array 6: OP 60
No glare found

PV array 6: OP 61
No glare found

PV array 6: OP 62
No glare found

PV array 6: OP 63
No glare found

PV array 6: OP 64
No glare found

PV array 6: OP 65
No glare found

PV array 6: OP 66
No glare found

PV array 6: OP 67
No glare found

PV array 6: OP 68
No glare found

PV array 6: OP 69
No glare found

PV array 6: OP 70
No glare found

PV array 6: OP 71
No glare found

PV array 6: OP 72
No glare found

PV array 6: OP 73
No glare found

PV array 6: OP 74
No glare found

PV array 6: OP 75
No glare found

PV array 6: OP 76
No glare found

PV array 6: OP 77
No glare found

PV array 6: OP 78

No glare found

PV array 6: OP 79

No glare found

PV array 7 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	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	870	0
OP: OP 23	726	0
OP: OP 24	549	0
OP: OP 25	711	0
OP: OP 26	654	0
OP: OP 27	207	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	333	0
OP: OP 39	3287	566
OP: OP 40	2785	388
OP: OP 41	2175	0
OP: OP 42	1765	0
OP: OP 43	0	0

OP: OP 44	2399	0
OP: OP 45	2989	67
OP: OP 46	3131	0
OP: OP 47	2280	0
OP: OP 48	3821	0
OP: OP 49	3431	0
OP: OP 50	2925	0
OP: OP 51	2883	0
OP: OP 52	2940	0
OP: OP 53	3958	0
OP: OP 54	3695	0
OP: OP 55	3663	0
OP: OP 56	3634	0
OP: OP 57	3271	0
OP: OP 58	2834	0
OP: OP 59	2320	0
OP: OP 60	1705	0
OP: OP 61	2706	0
OP: OP 62	2981	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

PV array 7: OP 1

No glare found

PV array 7: OP 2

No glare found

PV array 7: OP 3

No glare found

PV array 7: OP 4

No glare found

PV array 7: OP 5

No glare found

PV array 7: OP 6
No glare found

PV array 7: OP 7
No glare found

PV array 7: OP 8
No glare found

PV array 7: OP 9
No glare found

PV array 7: OP 10
No glare found

PV array 7: OP 11
No glare found

PV array 7: OP 12
No glare found

PV array 7: OP 13
No glare found

PV array 7: OP 14
No glare found

PV array 7: OP 15
No glare found

PV array 7: OP 16
No glare found

PV array 7: OP 17
No glare found

PV array 7: OP 18
No glare found

PV array 7: OP 19
No glare found

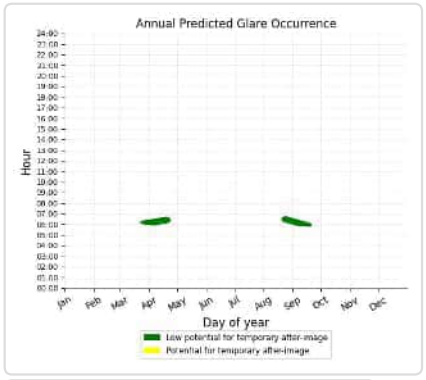
PV array 7: OP 20
No glare found

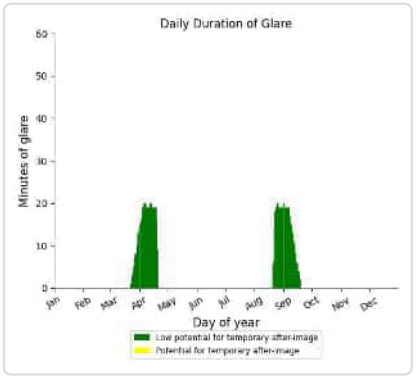
PV array 7: OP 21
No glare found

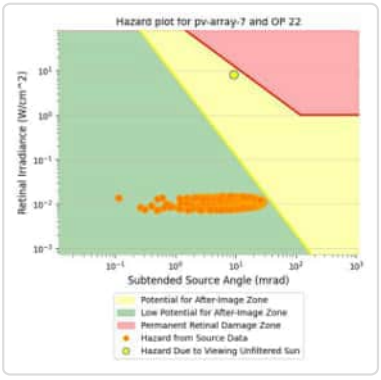
PV array 7: OP 22

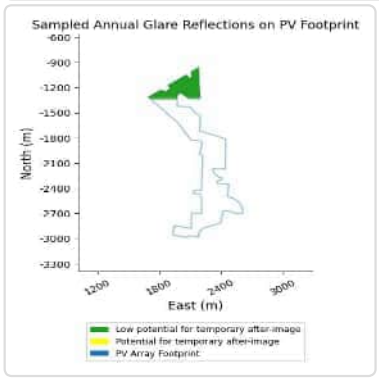
PV array is expected to produce the following glare for this receptor:

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





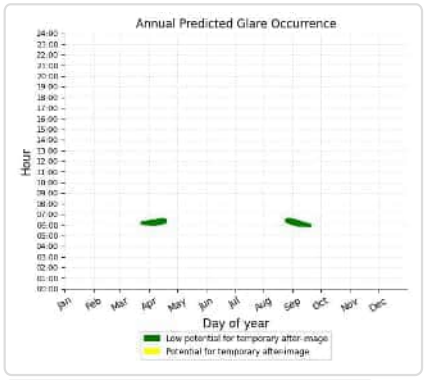


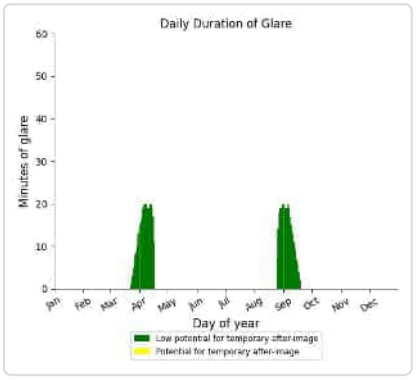


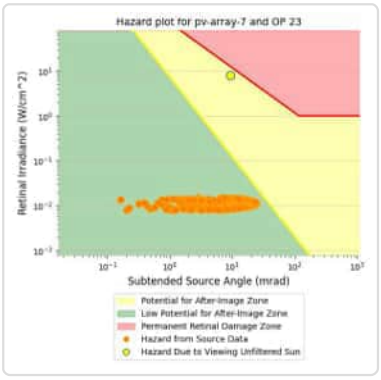
PV array 7: OP 23

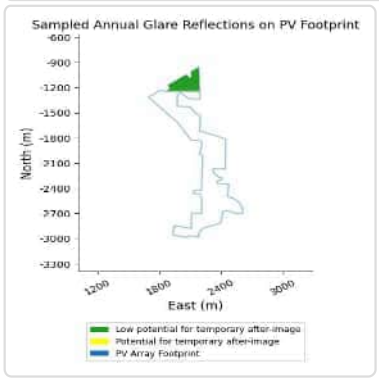
PV array is expected to produce the following glare for this receptor:

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





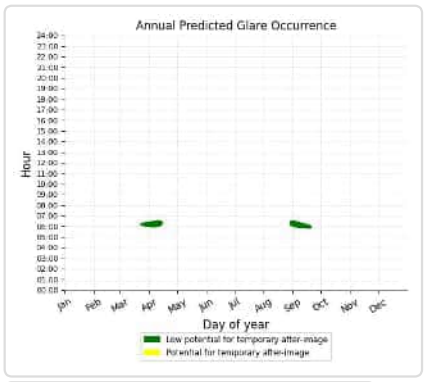


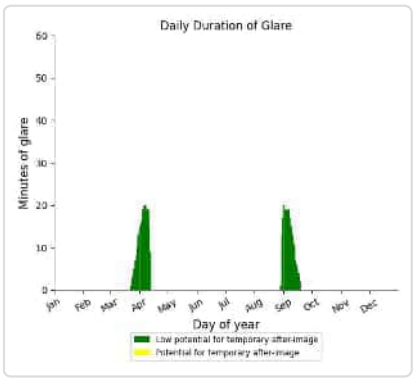


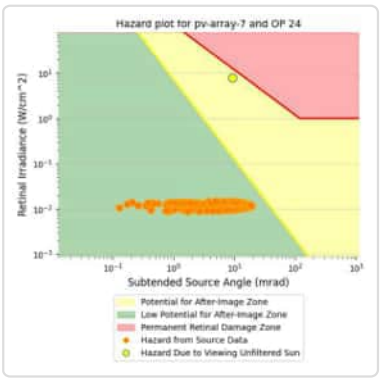
PV array 7: OP 24

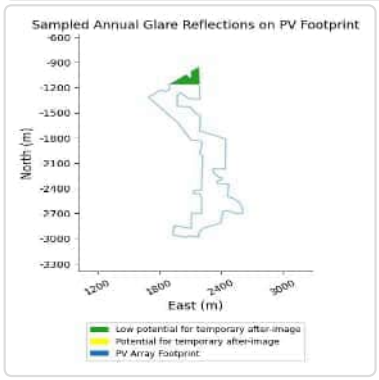
PV array is expected to produce the following glare for this receptor:

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





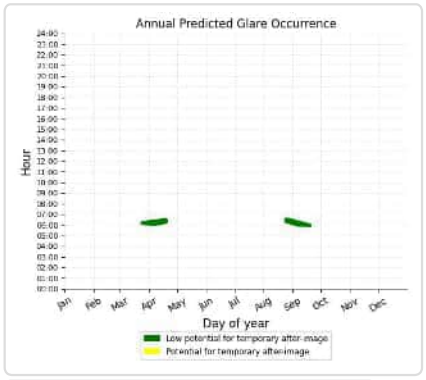


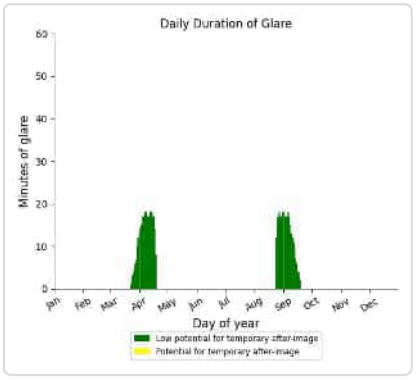


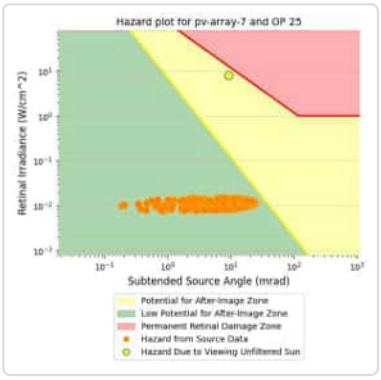
PV array 7: OP 25

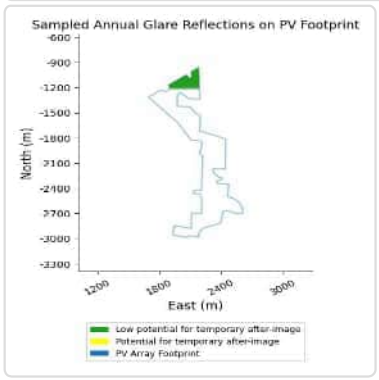
PV array is expected to produce the following glare for this receptor:

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





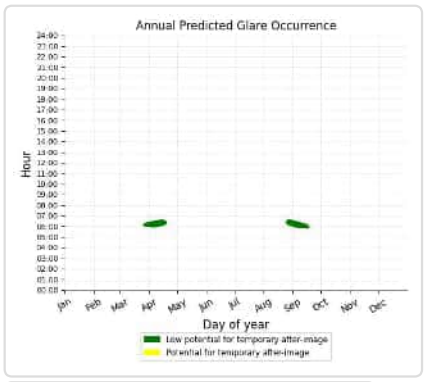


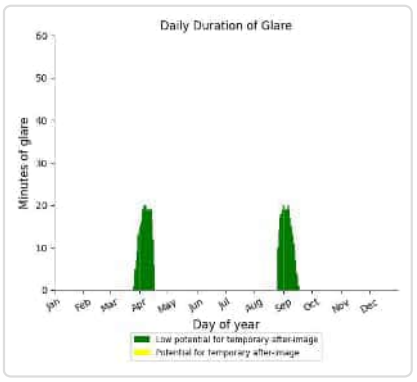


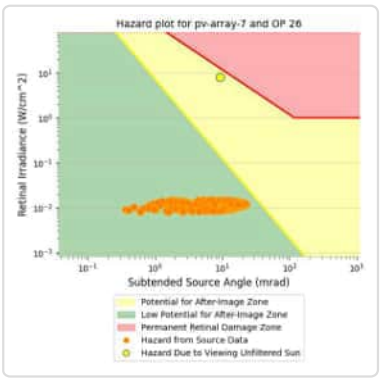
PV array 7: OP 26

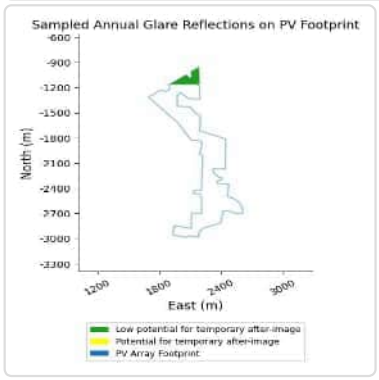
PV array is expected to produce the following glare for this receptor:

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





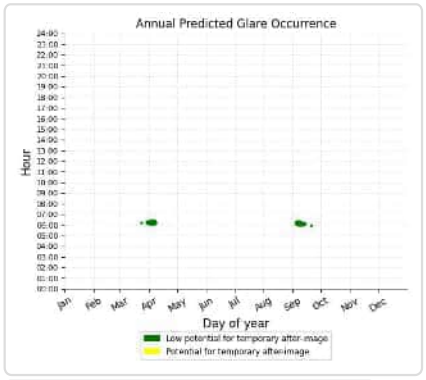


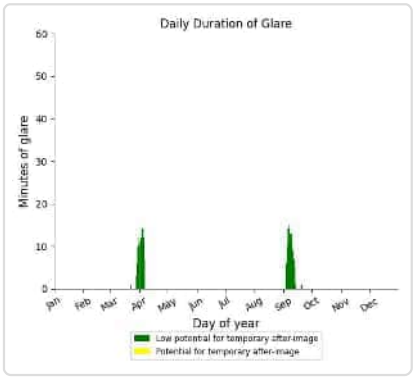


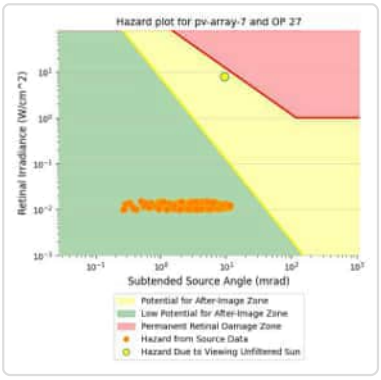
PV array 7: OP 27

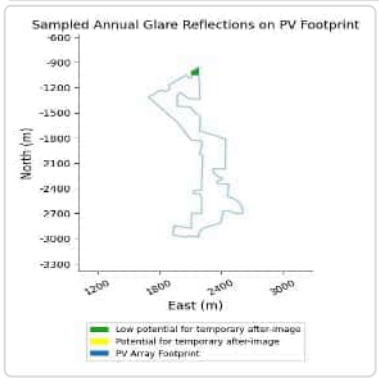
PV array is expected to produce the following glare for this receptor:

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









PV array 7: OP 28

No glare found

PV array 7: OP 29

No glare found

PV array 7: OP 30

No glare found

PV array 7: OP 31

No glare found

PV array 7: OP 32

No glare found

PV array 7: OP 33

No glare found

PV array 7: OP 34

No glare found

PV array 7: OP 35

No glare found

PV array 7: OP 36

No glare found

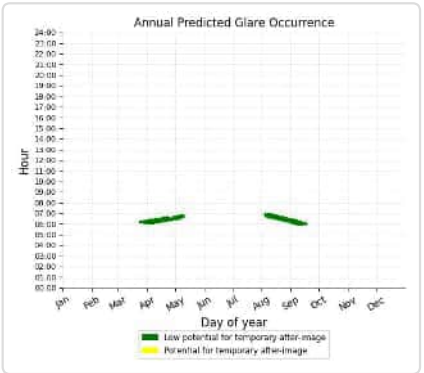
PV array 7: OP 37

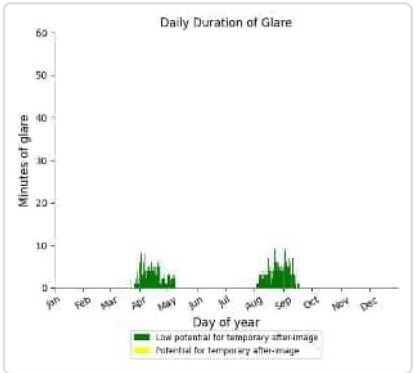
No glare found

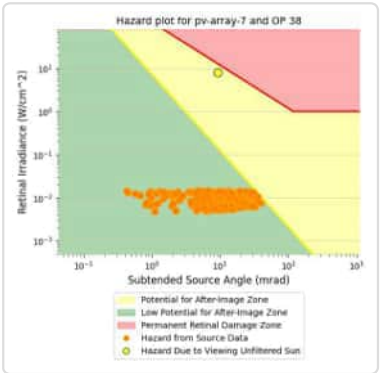
PV array 7: OP 38

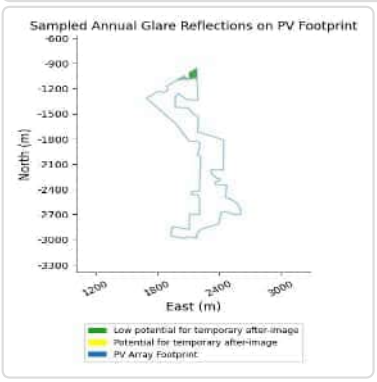
PV array is expected to produce the following glare for this receptor:

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





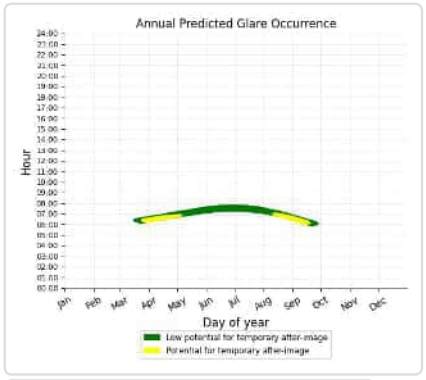


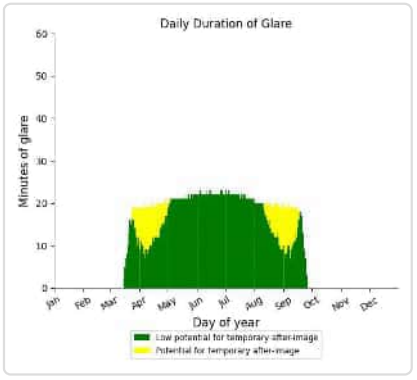


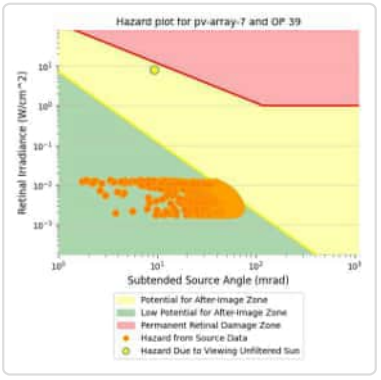
PV array 7: OP 39

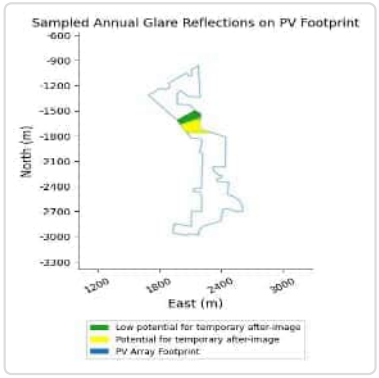
PV array is expected to produce the following glare for this receptor:

- 3,287 minutes of "green" glare with low potential to cause temporary after-image.
- 566 minutes of "yellow" glare with potential to cause temporary after-image.





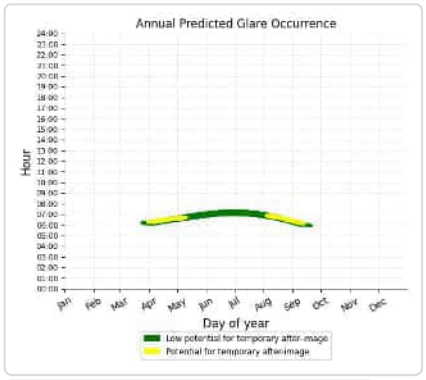


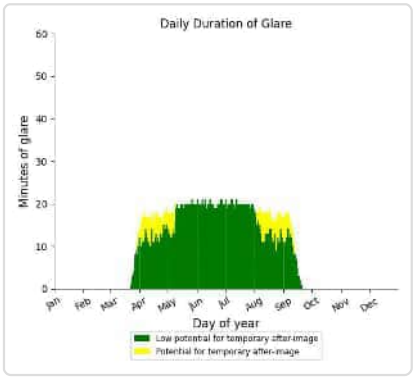


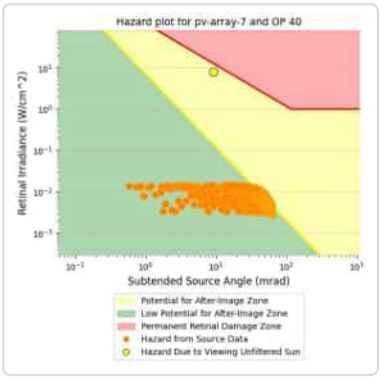
PV array 7: OP 40

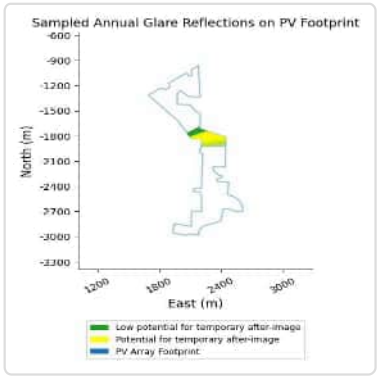
PV array is expected to produce the following glare for this receptor:

- 2,785 minutes of "green" glare with low potential to cause temporary after-image.
- 388 minutes of "yellow" glare with potential to cause temporary after-image.





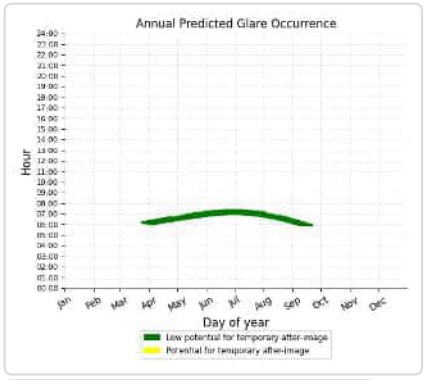


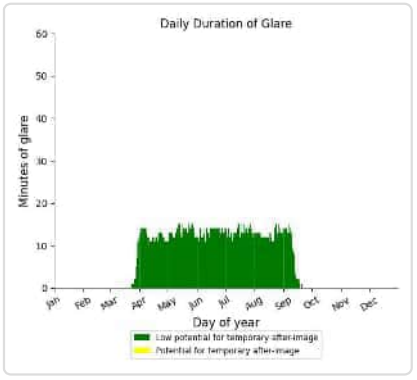


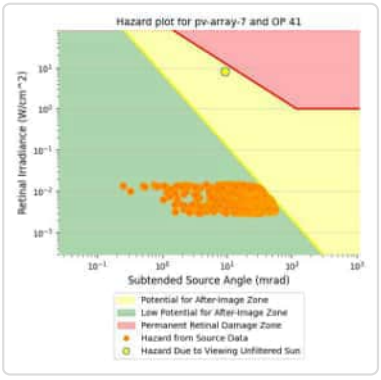
PV array 7: OP 41

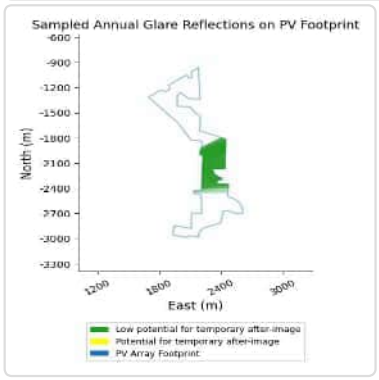
PV array is expected to produce the following glare for this receptor:

- 2,175 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





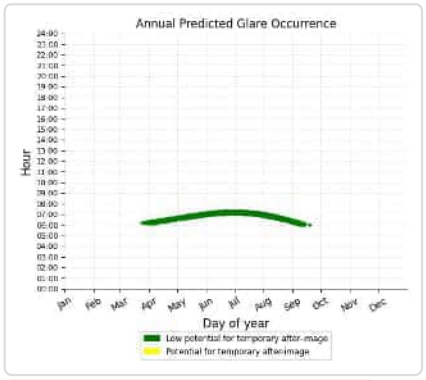


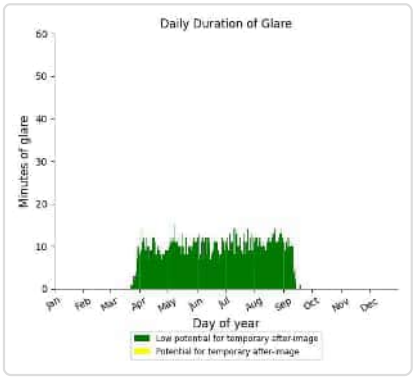


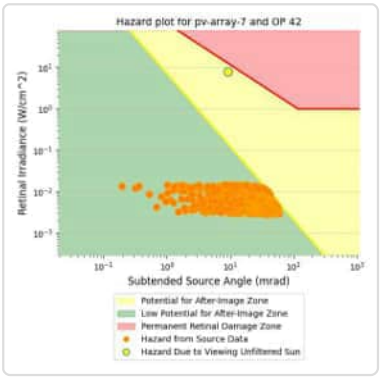
PV array 7: OP 42

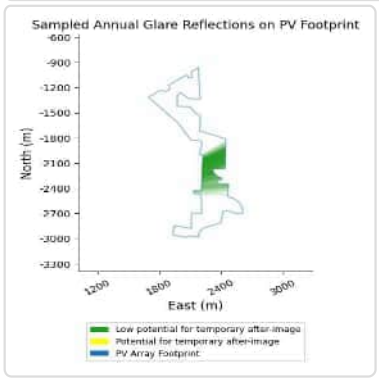
PV array is expected to produce the following glare for this receptor:

- 1,765 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









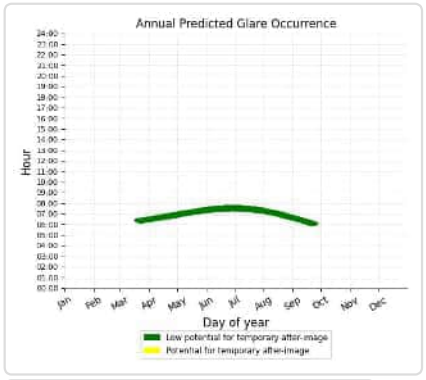
PV array 7: OP 43

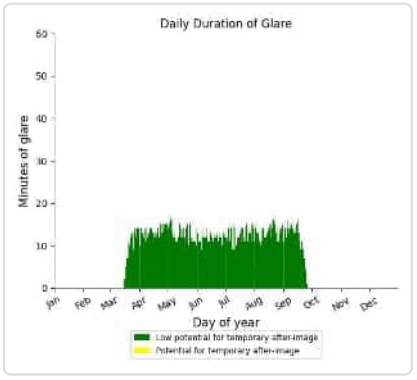
No glare found

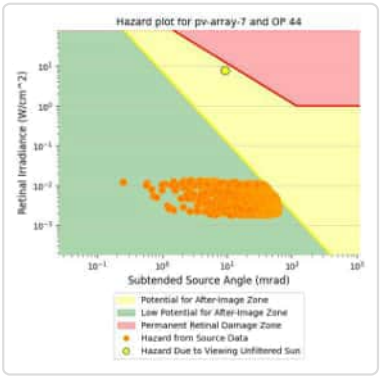
PV array 7: OP 44

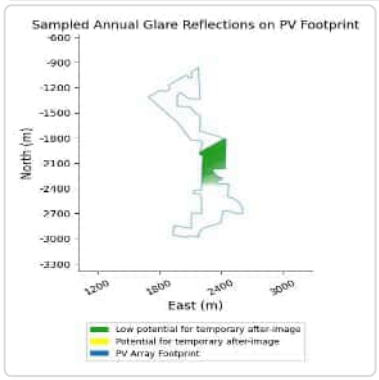
PV array is expected to produce the following glare for this receptor:

- 2,399 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





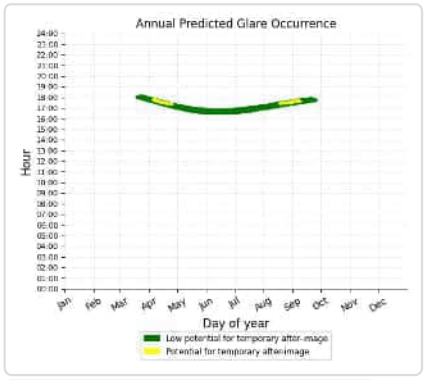


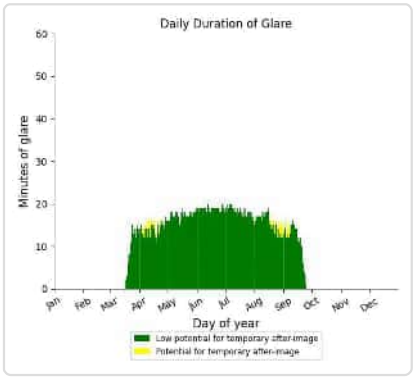


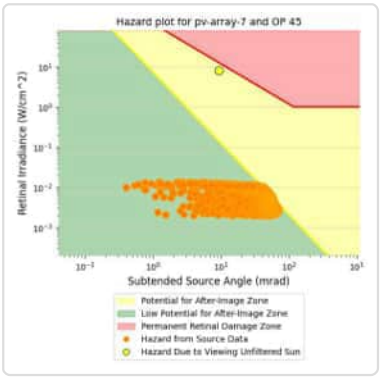
PV array 7: OP 45

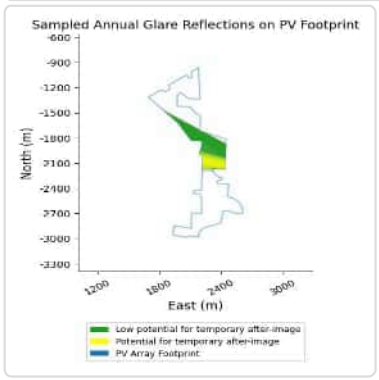
PV array is expected to produce the following glare for this receptor:

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





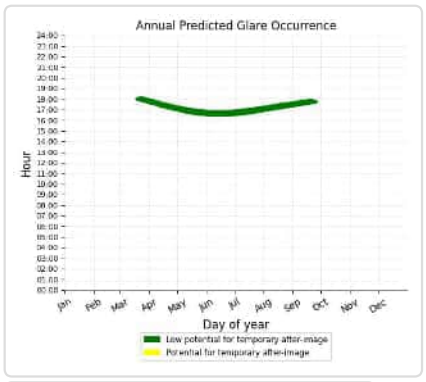


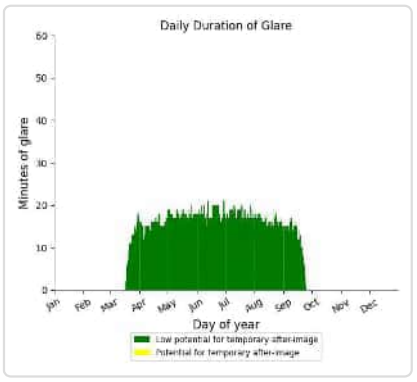


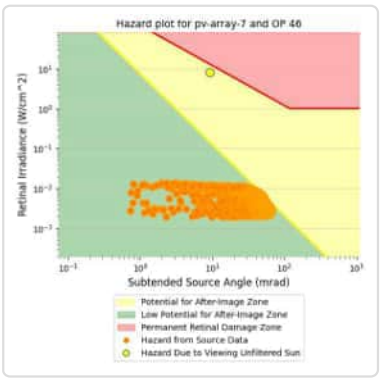
PV array 7: OP 46

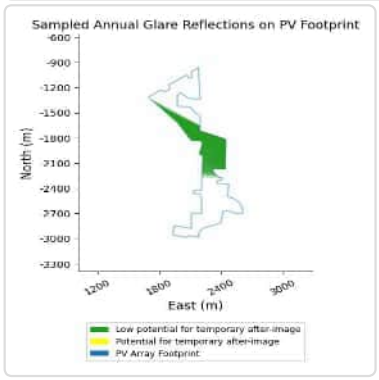
PV array is expected to produce the following glare for this receptor:

- 3,131 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





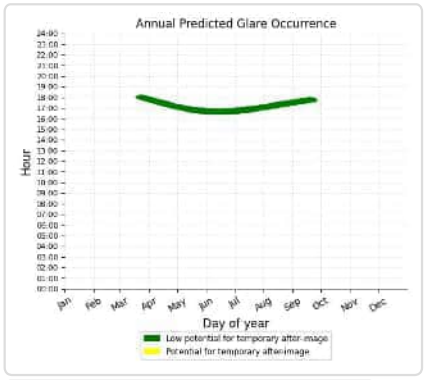


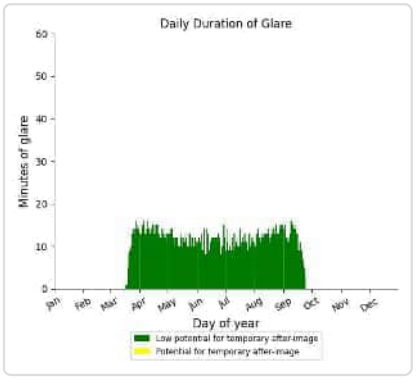


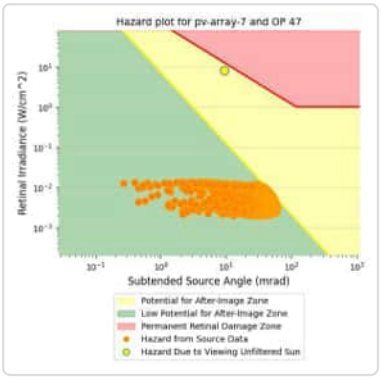
PV array 7: OP 47

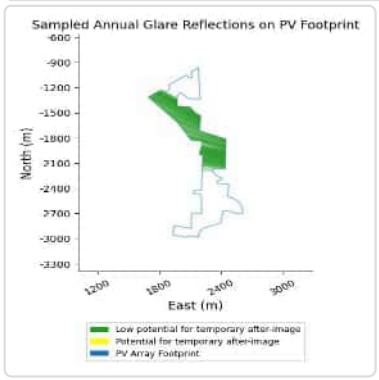
PV array is expected to produce the following glare for this receptor:

- 2,280 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





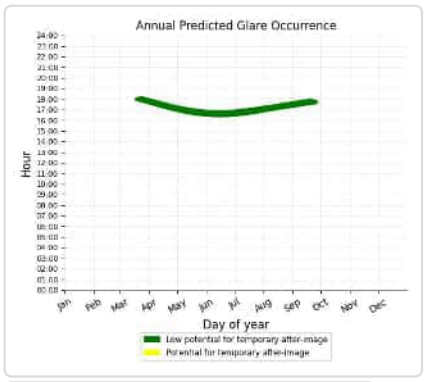


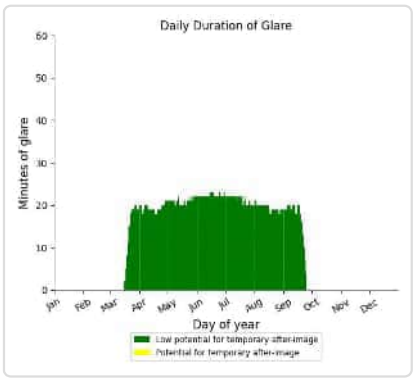


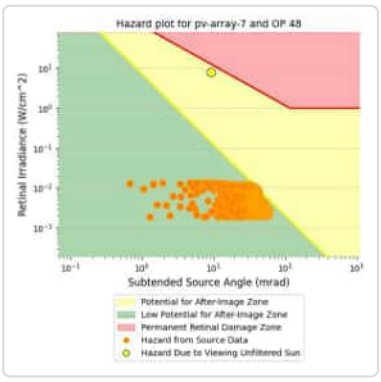
PV array 7: OP 48

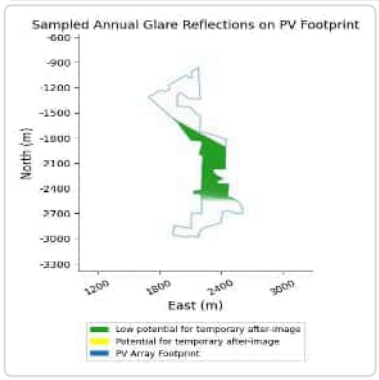
PV array is expected to produce the following glare for this receptor:

- 3,821 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





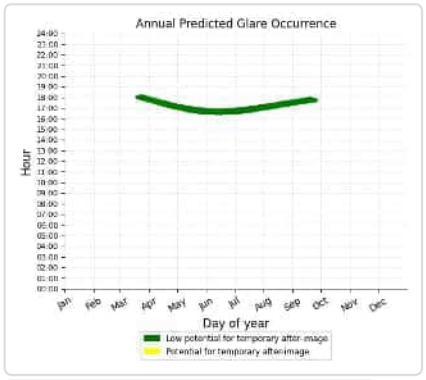


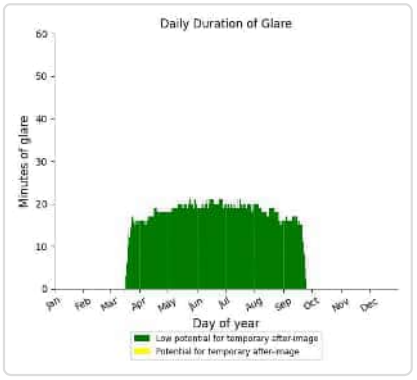


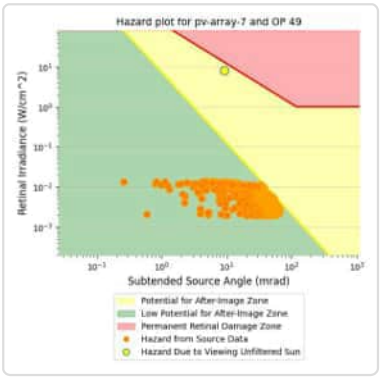
PV array 7: OP 49

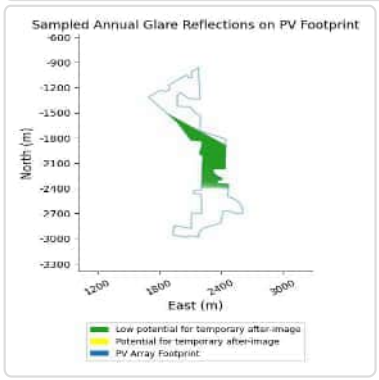
PV array is expected to produce the following glare for this receptor:

- 3,431 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





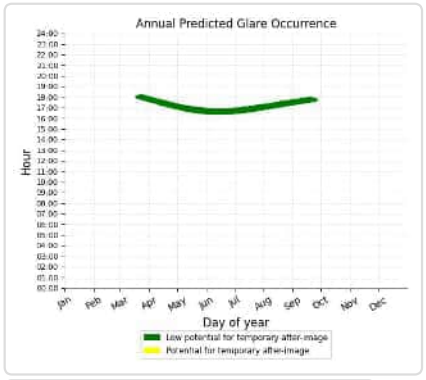


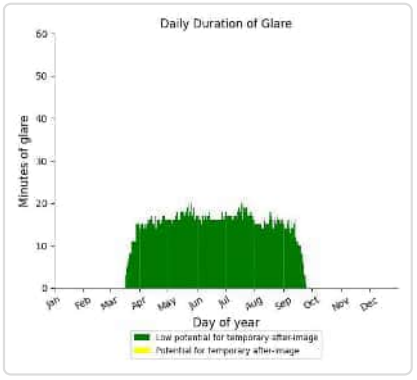


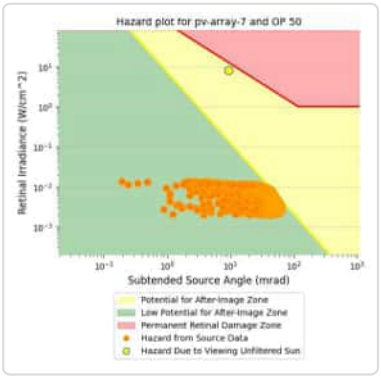
PV array 7: OP 50

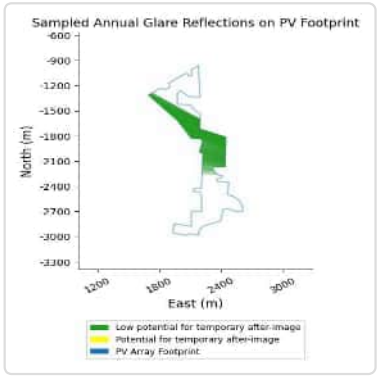
PV array is expected to produce the following glare for this receptor:

- 2,925 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





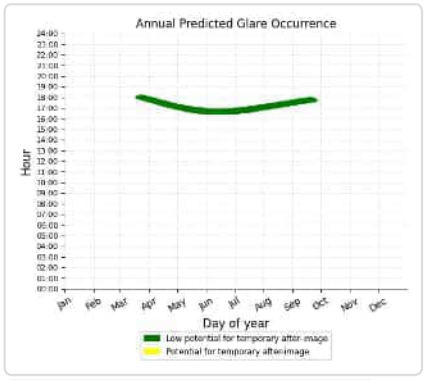


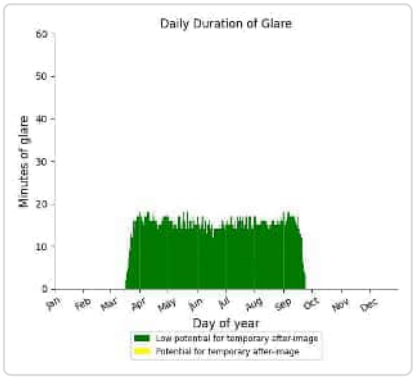


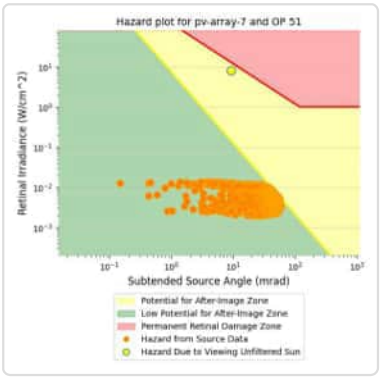
PV array 7: OP 51

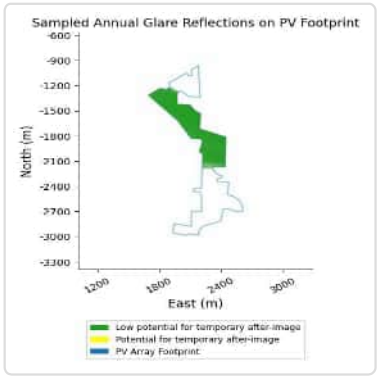
PV array is expected to produce the following glare for this receptor:

- 2,883 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





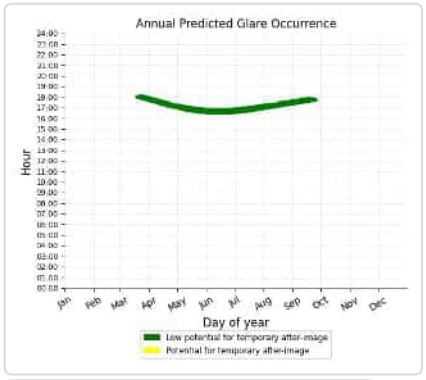


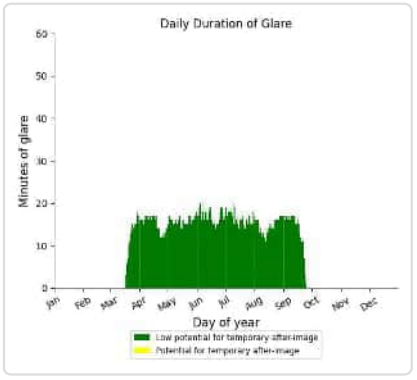


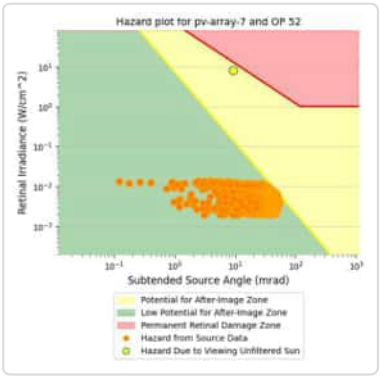
PV array 7: OP 52

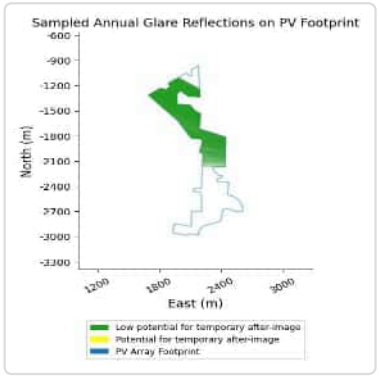
PV array is expected to produce the following glare for this receptor:

- 2,940 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





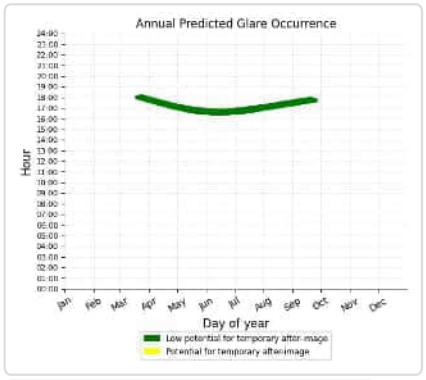


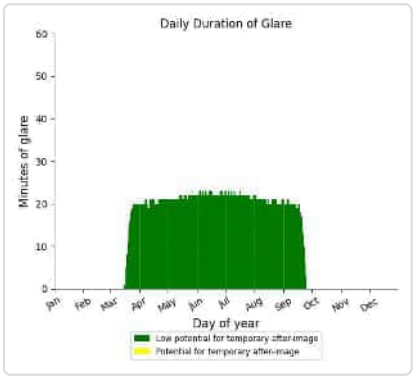


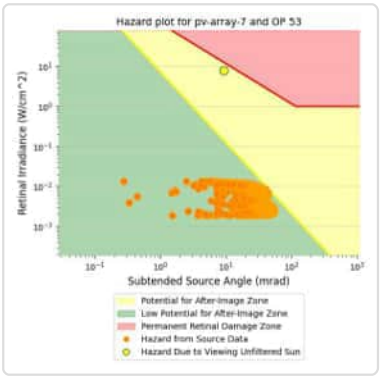
PV array 7: OP 53

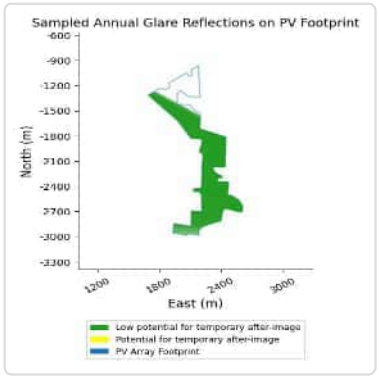
PV array is expected to produce the following glare for this receptor:

- 3,958 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





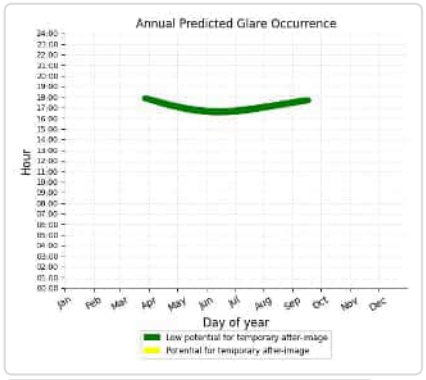


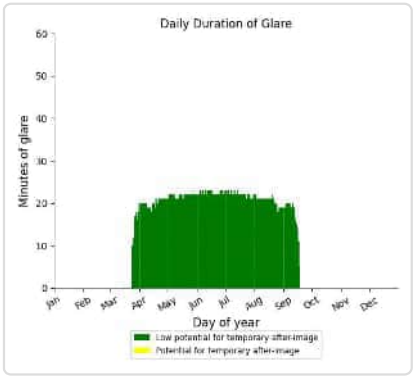


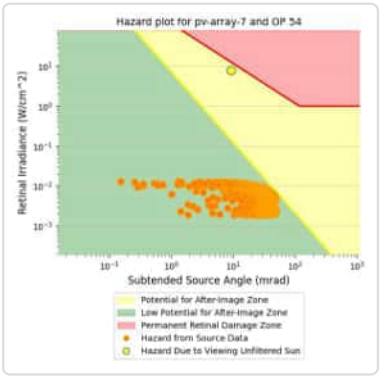
PV array 7: OP 54

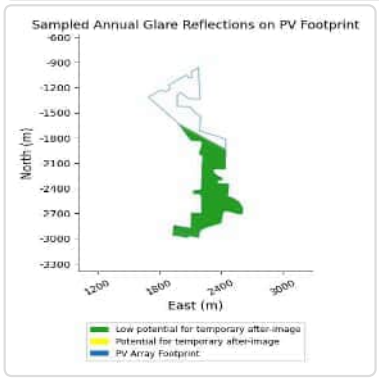
PV array is expected to produce the following glare for this receptor:

- 3,695 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





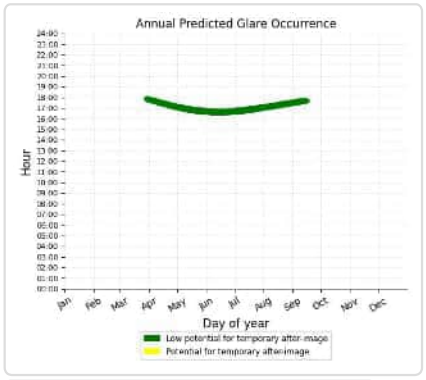


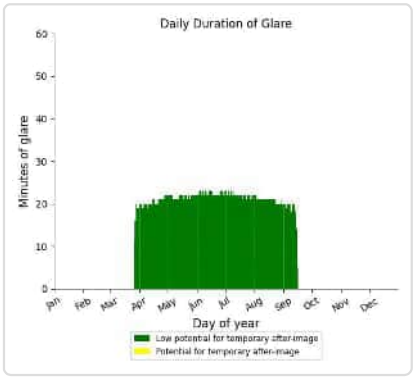


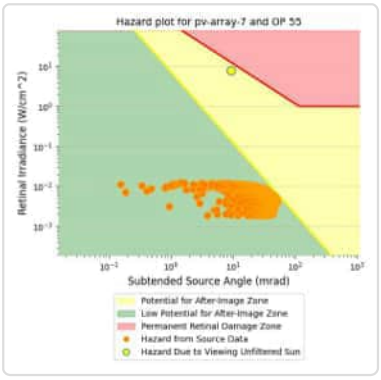
PV array 7: OP 55

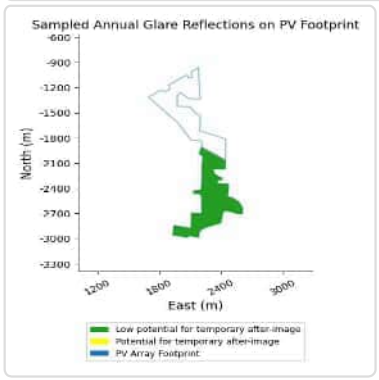
PV array is expected to produce the following glare for this receptor:

- 3,663 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





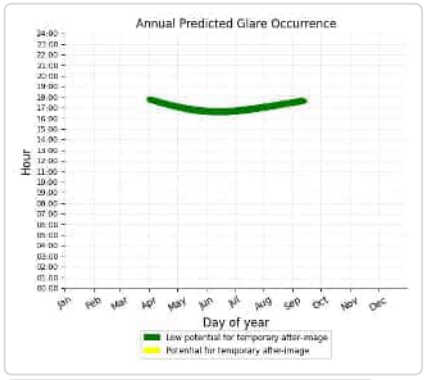


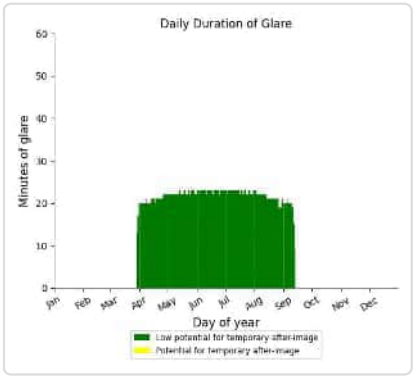


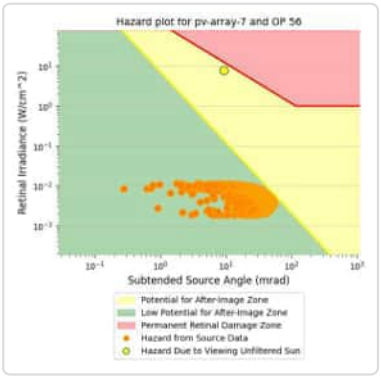
PV array 7: OP 56

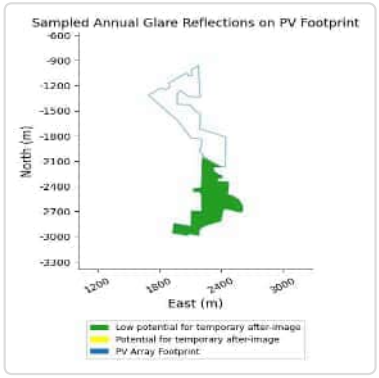
PV array is expected to produce the following glare for this receptor:

- 3,634 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





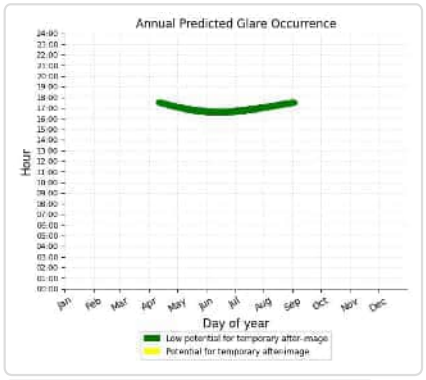


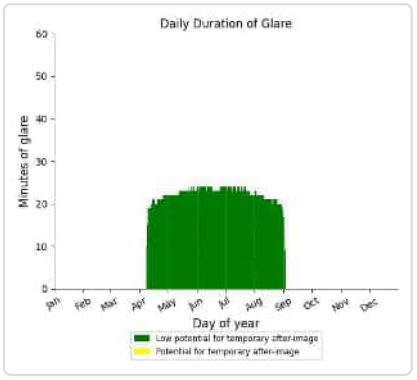


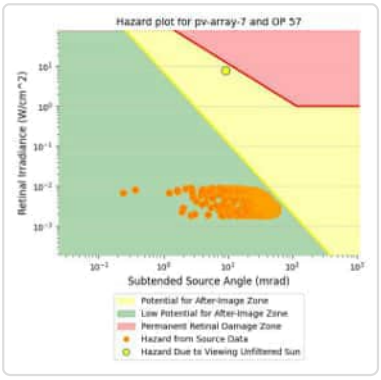
PV array 7: OP 57

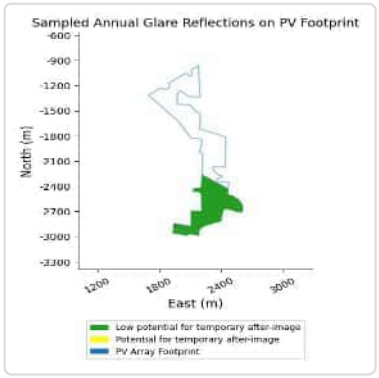
PV array is expected to produce the following glare for this receptor:

- 3,271 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





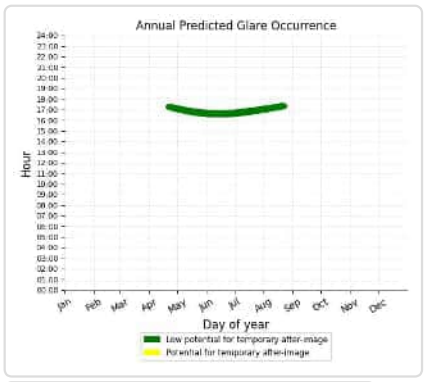


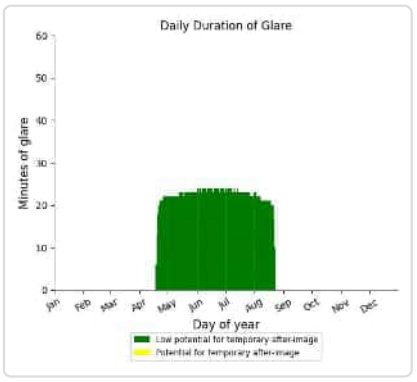


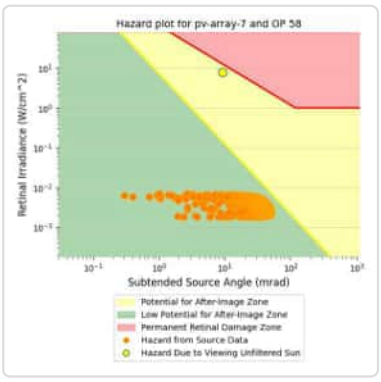
PV array 7: OP 58

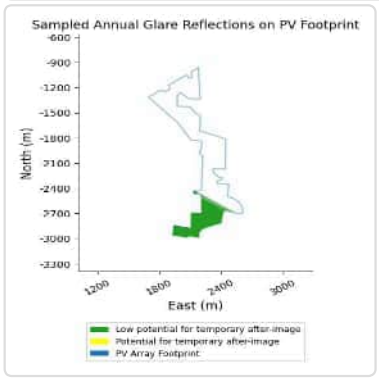
PV array is expected to produce the following glare for this receptor:

- 2,834 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





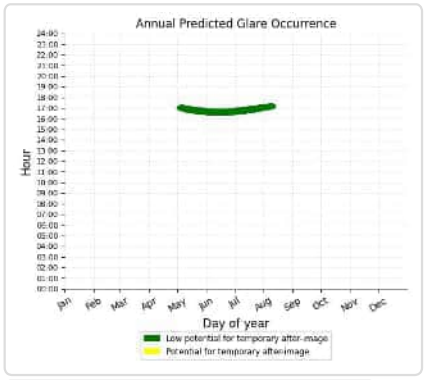


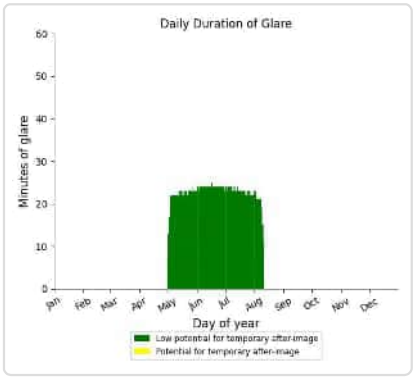


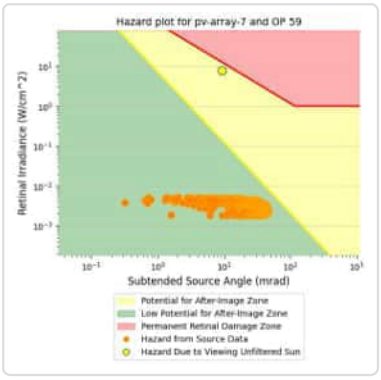
PV array 7: OP 59

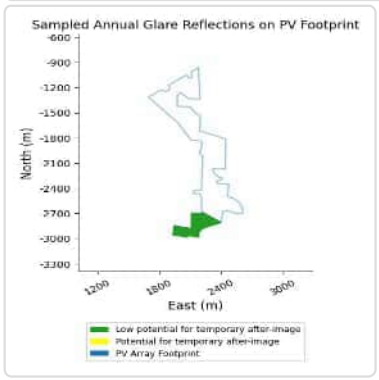
PV array is expected to produce the following glare for this receptor:

- 2,320 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





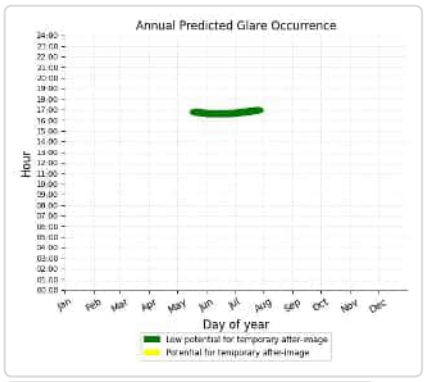


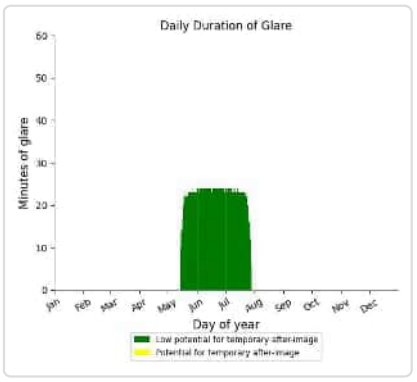


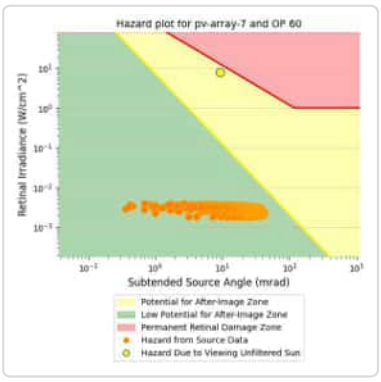
PV array 7: OP 60

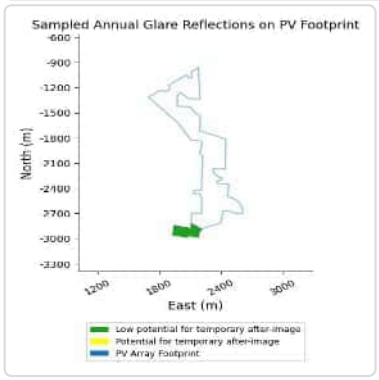
PV array is expected to produce the following glare for this receptor:

- 1,705 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





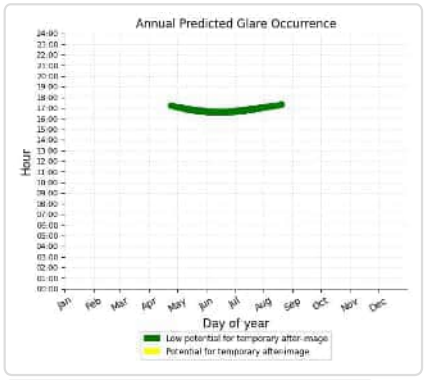


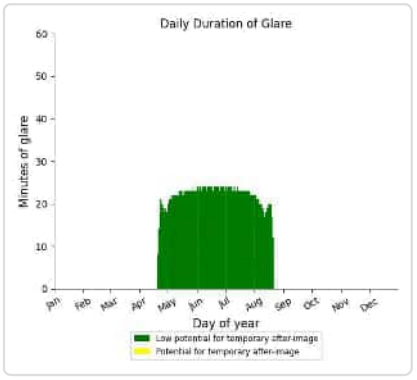


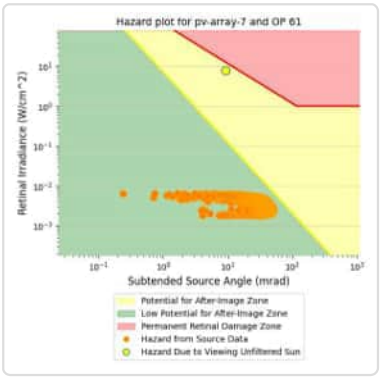
PV array 7: OP 61

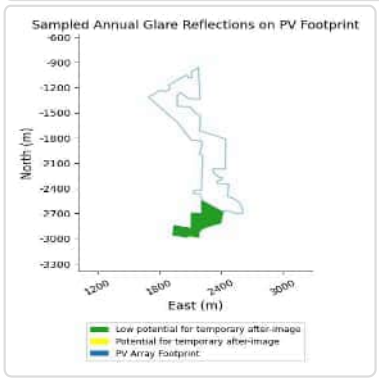
PV array is expected to produce the following glare for this receptor:

- 2,706 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





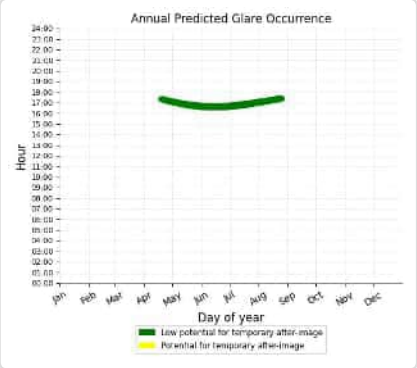


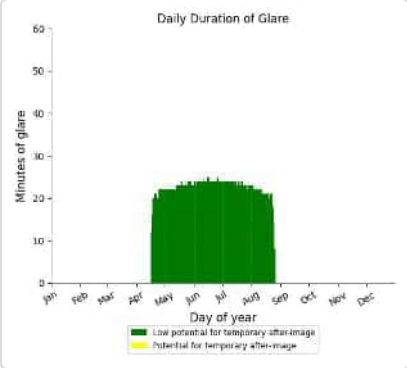


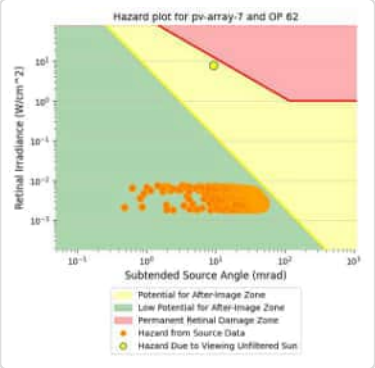
PV array 7: OP 62

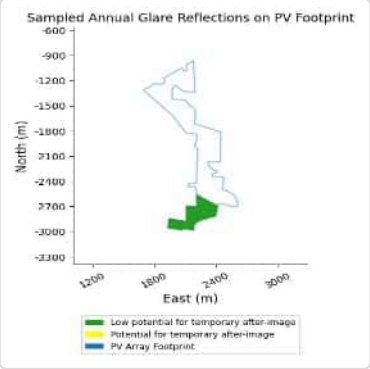
PV array is expected to produce the following glare for this receptor:

- 2,981 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 7: OP 63

No glare found

PV array 7: OP 64

No glare found

PV array 7: OP 65

No glare found

PV array 7: OP 66

No glare found

PV array 7: OP 67

No glare found

PV array 7: OP 68

No glare found

PV array 7: OP 69

No glare found

PV array 7: OP 70

No glare found

PV array 7: OP 71

No glare found

PV array 7: OP 72
No glare found

PV array 7: OP 73
No glare found

PV array 7: OP 74
No glare found

PV array 7: OP 75
No glare found

PV array 7: OP 76
No glare found

PV array 7: OP 77
No glare found

PV array 7: OP 78
No glare found

PV array 7: OP 79
No glare found

PV array 8 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0

OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	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	0
OP: OP 47	0	0
OP: OP 48	596	0
OP: OP 49	0	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	1152	0
OP: OP 54	1257	0
OP: OP 55	1834	0
OP: OP 56	2291	0
OP: OP 57	1429	0
OP: OP 58	0	0
OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0

OP: OP 78	0	0
OP: OP 79	0	0

PV array 8: OP 1
No glare found

PV array 8: OP 2
No glare found

PV array 8: OP 3
No glare found

PV array 8: OP 4
No glare found

PV array 8: OP 5
No glare found

PV array 8: OP 6
No glare found

PV array 8: OP 7
No glare found

PV array 8: OP 8
No glare found

PV array 8: OP 9
No glare found

PV array 8: OP 10
No glare found

PV array 8: OP 11
No glare found

PV array 8: OP 12
No glare found

PV array 8: OP 13
No glare found

PV array 8: OP 14
No glare found

PV array 8: OP 15
No glare found

PV array 8: OP 16
No glare found

PV array 8: OP 17
No glare found

PV array 8: OP 18
No glare found

PV array 8: OP 19
No glare found

PV array 8: OP 20
No glare found

PV array 8: OP 21
No glare found

PV array 8: OP 22
No glare found

PV array 8: OP 23
No glare found

PV array 8: OP 24
No glare found

PV array 8: OP 25
No glare found

PV array 8: OP 26
No glare found

PV array 8: OP 27
No glare found

PV array 8: OP 28
No glare found

PV array 8: OP 29
No glare found

PV array 8: OP 30
No glare found

PV array 8: OP 31
No glare found

PV array 8: OP 32
No glare found

PV array 8: OP 33
No glare found

PV array 8: OP 34
No glare found

PV array 8: OP 35
No glare found

PV array 8: OP 36
No glare found

PV array 8: OP 37
No glare found

PV array 8: OP 38
No glare found

PV array 8: OP 39
No glare found

PV array 8: OP 40
No glare found

PV array 8: OP 41
No glare found

PV array 8: OP 42
No glare found

PV array 8: OP 43
No glare found

PV array 8: OP 44
No glare found

PV array 8: OP 45
No glare found

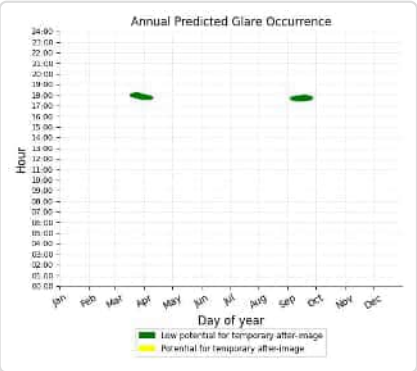
PV array 8: OP 46
No glare found

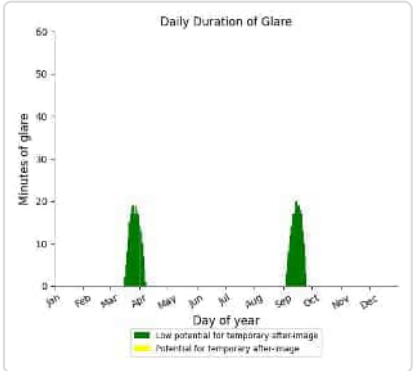
PV array 8: OP 47
No glare found

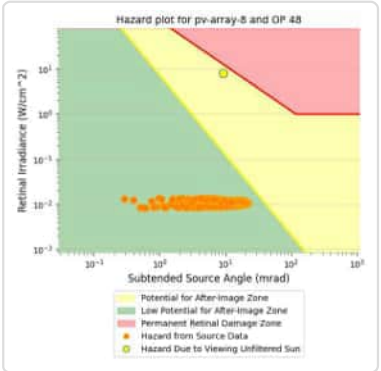
PV array 8: OP 48

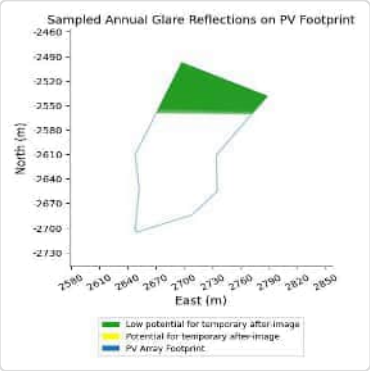
PV array is expected to produce the following glare for this receptor:

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









PV array 8: OP 49

No glare found

PV array 8: OP 50

No glare found

PV array 8: OP 51

No glare found

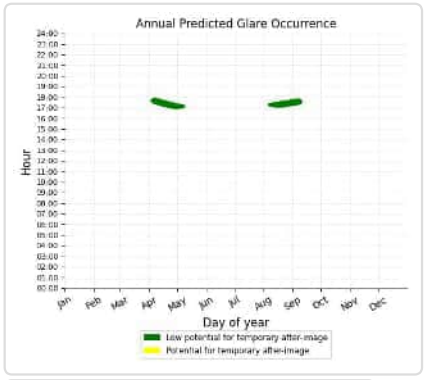
PV array 8: OP 52

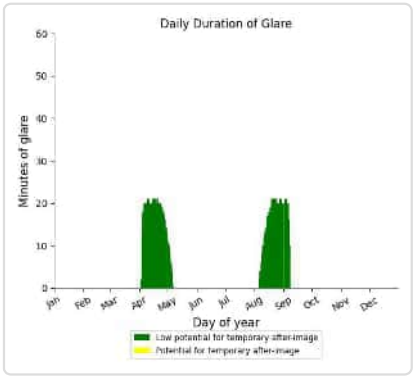
No glare found

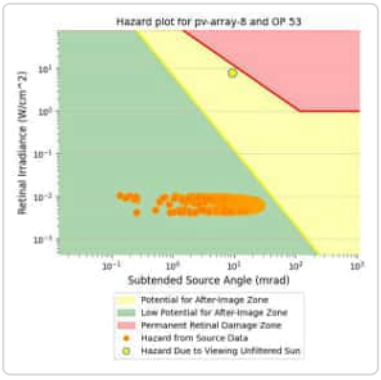
PV array 8: OP 53

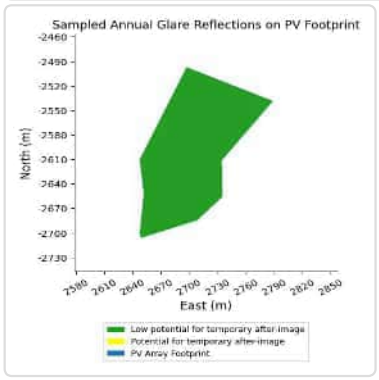
PV array is expected to produce the following glare for this receptor:

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





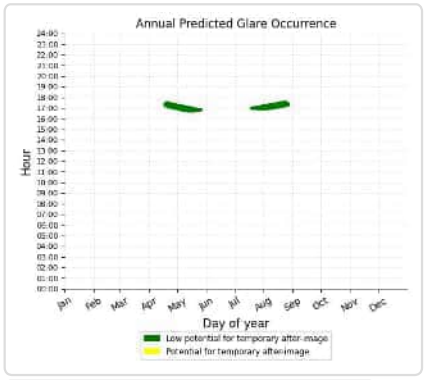


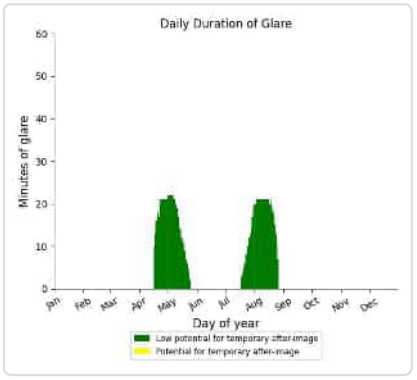


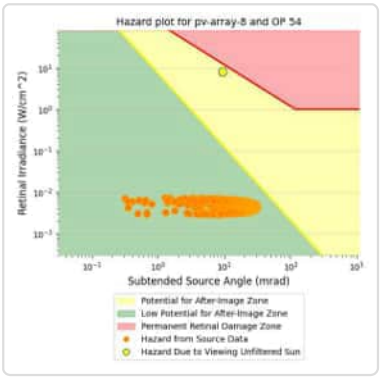
PV array 8: OP 54

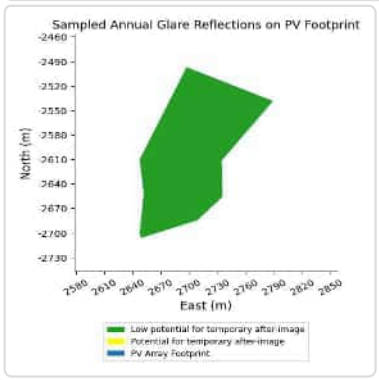
PV array is expected to produce the following glare for this receptor:

- 1,257 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





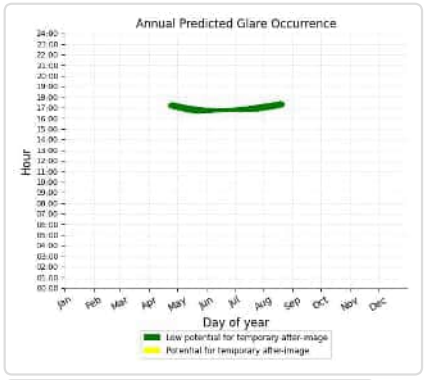


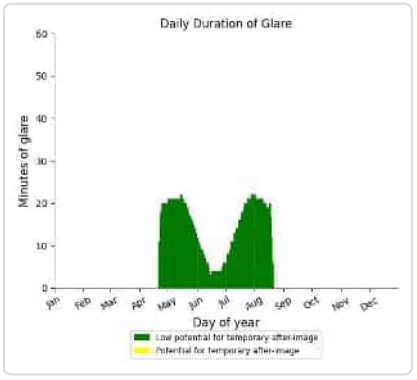


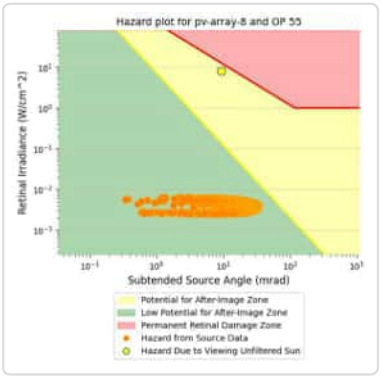
PV array 8: OP 55

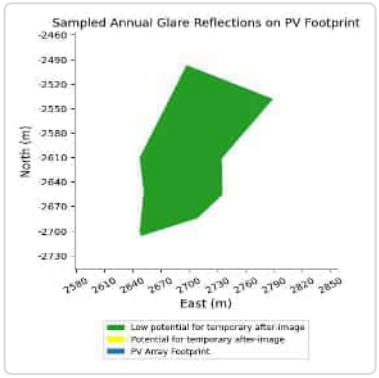
PV array is expected to produce the following glare for this receptor:

- 1,834 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





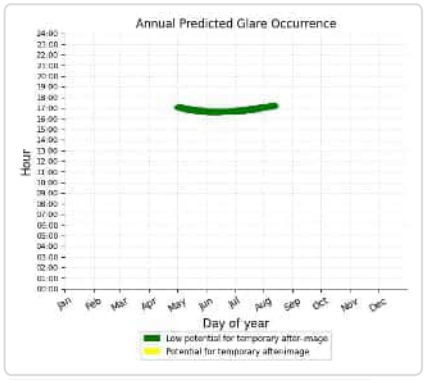


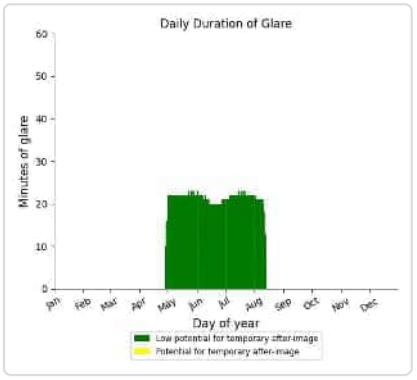


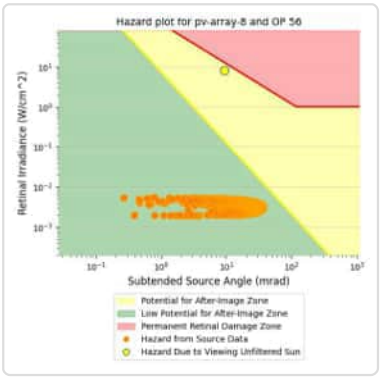
PV array 8: OP 56

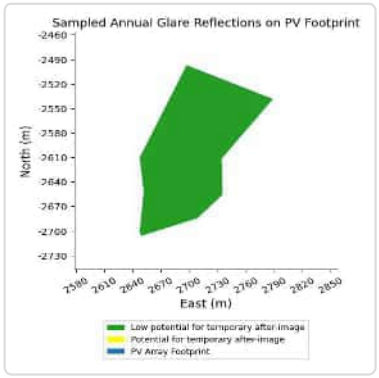
PV array is expected to produce the following glare for this receptor:

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





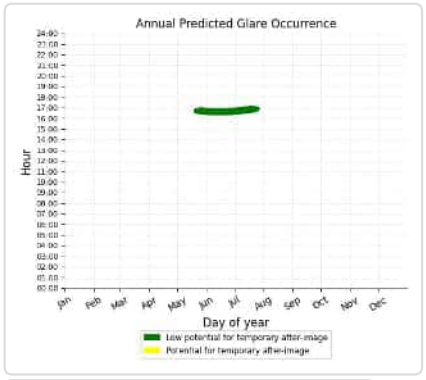


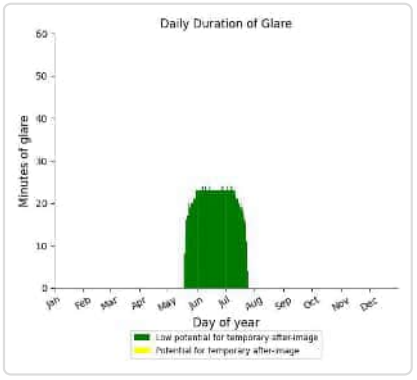


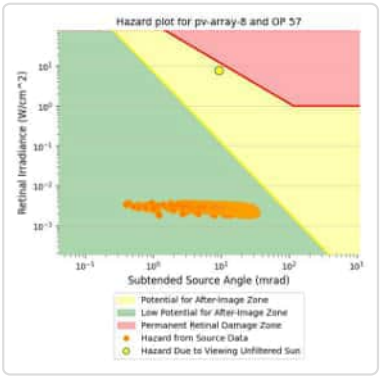
PV array 8: OP 57

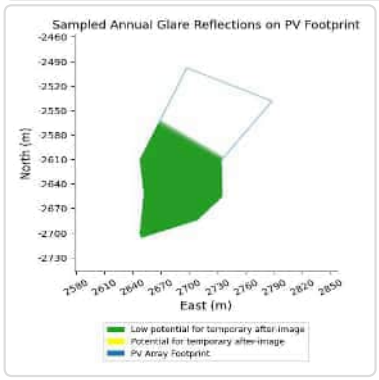
PV array is expected to produce the following glare for this receptor:

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









PV array 8: OP 58

No glare found

PV array 8: OP 59

No glare found

PV array 8: OP 60

No glare found

PV array 8: OP 61

No glare found

PV array 8: OP 62

No glare found

PV array 8: OP 63

No glare found

PV array 8: OP 64

No glare found

PV array 8: OP 65

No glare found

PV array 8: OP 66

No glare found

PV array 8: OP 67
No glare found

PV array 8: OP 68
No glare found

PV array 8: OP 69
No glare found

PV array 8: OP 70
No glare found

PV array 8: OP 71
No glare found

PV array 8: OP 72
No glare found

PV array 8: OP 73
No glare found

PV array 8: OP 74
No glare found

PV array 8: OP 75
No glare found

PV array 8: OP 76
No glare found

PV array 8: OP 77
No glare found

PV array 8: OP 78
No glare found

PV array 8: OP 79
No glare found

PV array 9 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0

OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	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	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
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	86	0
OP: OP 55	127	0
OP: OP 56	255	0
OP: OP 57	740	0
OP: OP 58	910	0
OP: OP 59	1112	0
OP: OP 60	1415	0
OP: OP 61	967	0

OP: OP 62	945	0
OP: OP 63	649	0
OP: OP 64	0	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	914	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

PV array 9: OP 1

No glare found

PV array 9: OP 2

No glare found

PV array 9: OP 3

No glare found

PV array 9: OP 4

No glare found

PV array 9: OP 5

No glare found

PV array 9: OP 6

No glare found

PV array 9: OP 7

No glare found

PV array 9: OP 8

No glare found

PV array 9: OP 9

No glare found

PV array 9: OP 10

No glare found

PV array 9: OP 11
No glare found

PV array 9: OP 12
No glare found

PV array 9: OP 13
No glare found

PV array 9: OP 14
No glare found

PV array 9: OP 15
No glare found

PV array 9: OP 16
No glare found

PV array 9: OP 17
No glare found

PV array 9: OP 18
No glare found

PV array 9: OP 19
No glare found

PV array 9: OP 20
No glare found

PV array 9: OP 21
No glare found

PV array 9: OP 22
No glare found

PV array 9: OP 23
No glare found

PV array 9: OP 24
No glare found

PV array 9: OP 25
No glare found

PV array 9: OP 26
No glare found

PV array 9: OP 27
No glare found

PV array 9: OP 28
No glare found

PV array 9: OP 29
No glare found

PV array 9: OP 30
No glare found

PV array 9: OP 31
No glare found

PV array 9: OP 32
No glare found

PV array 9: OP 33
No glare found

PV array 9: OP 34
No glare found

PV array 9: OP 35
No glare found

PV array 9: OP 36
No glare found

PV array 9: OP 37
No glare found

PV array 9: OP 38
No glare found

PV array 9: OP 39
No glare found

PV array 9: OP 40
No glare found

PV array 9: OP 41
No glare found

PV array 9: OP 42
No glare found

PV array 9: OP 43

No glare found

PV array 9: OP 44

No glare found

PV array 9: OP 45

No glare found

PV array 9: OP 46

No glare found

PV array 9: OP 47

No glare found

PV array 9: OP 48

No glare found

PV array 9: OP 49

No glare found

PV array 9: OP 50

No glare found

PV array 9: OP 51

No glare found

PV array 9: OP 52

No glare found

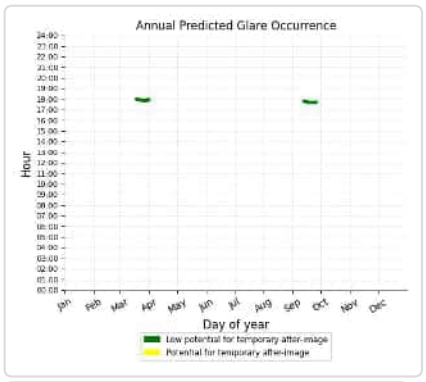
PV array 9: OP 53

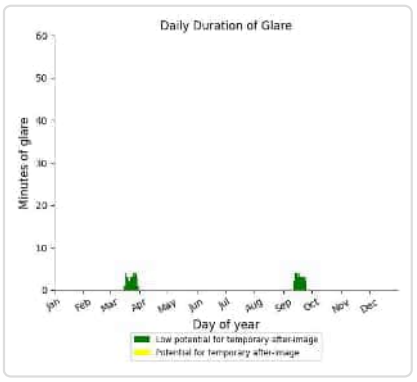
No glare found

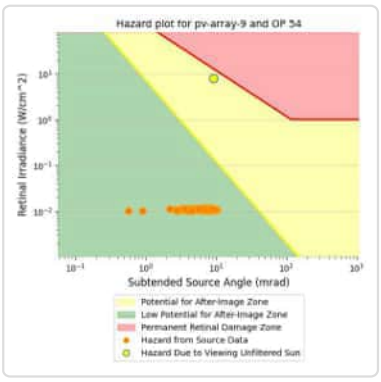
PV array 9: OP 54

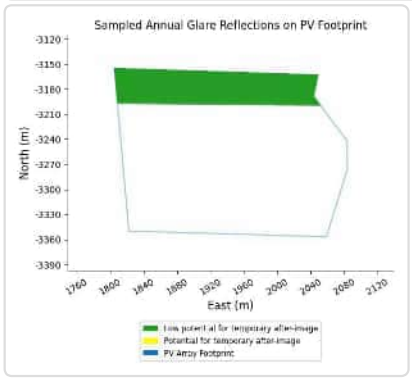
PV array is expected to produce the following glare for this receptor:

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





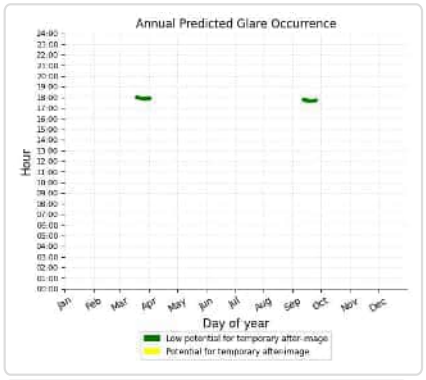


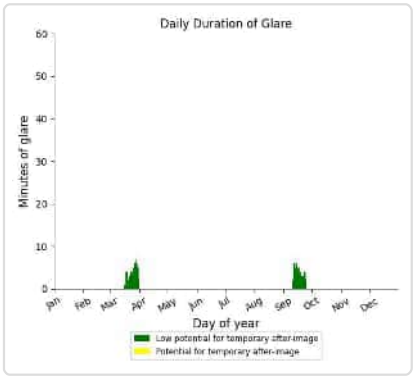


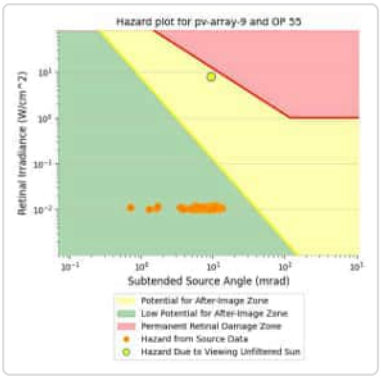
PV array 9: OP 55

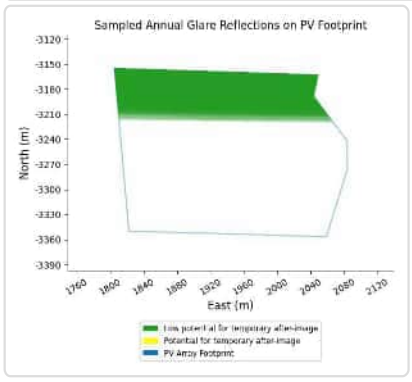
PV array is expected to produce the following glare for this receptor:

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





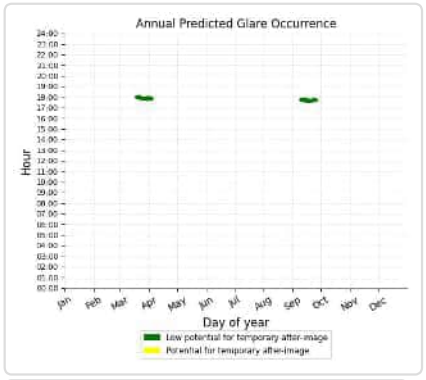


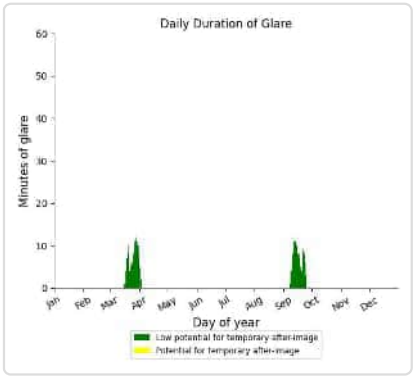


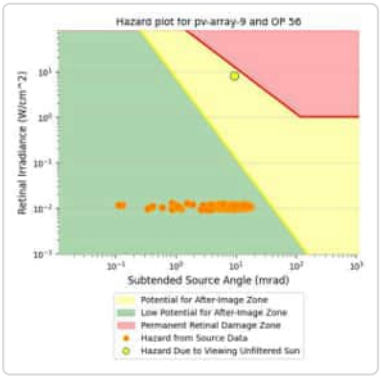
PV array 9: OP 56

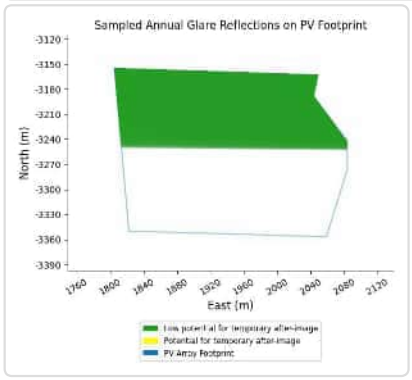
PV array is expected to produce the following glare for this receptor:

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





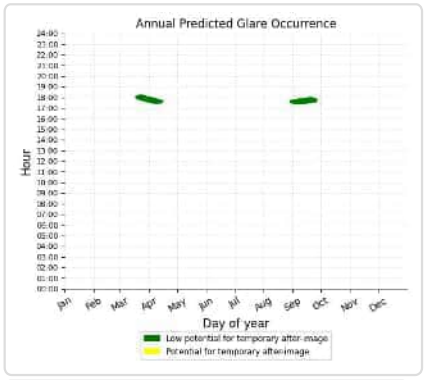


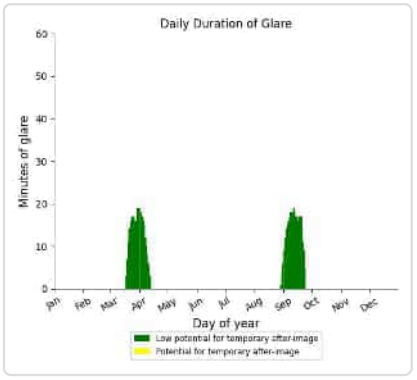


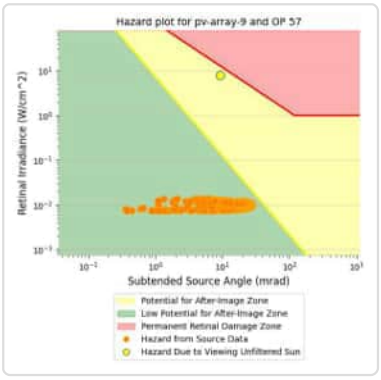
PV array 9: OP 57

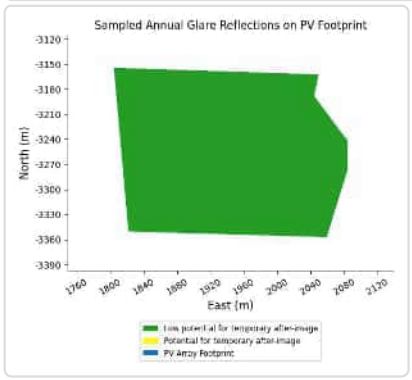
PV array is expected to produce the following glare for this receptor:

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





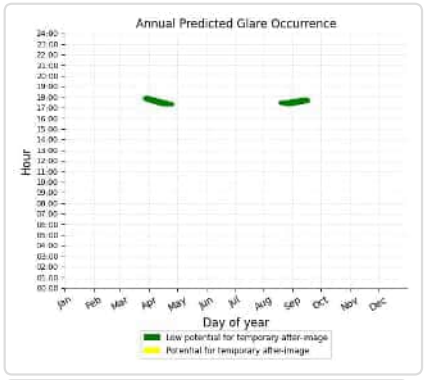


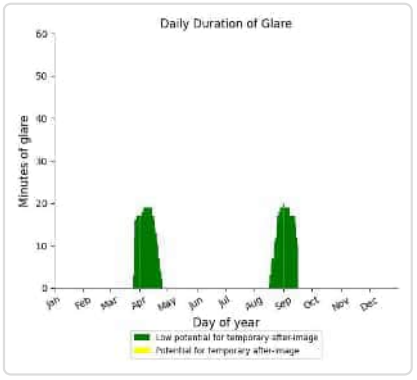


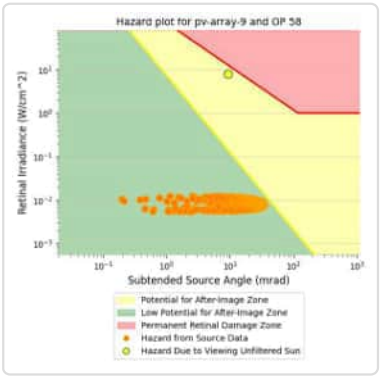
PV array 9: OP 58

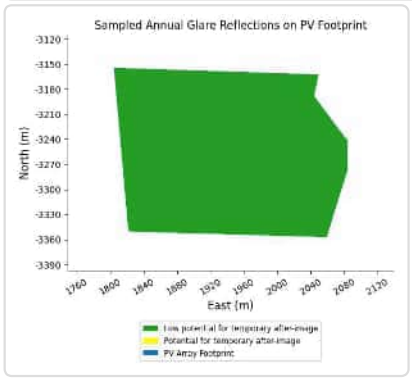
PV array is expected to produce the following glare for this receptor:

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





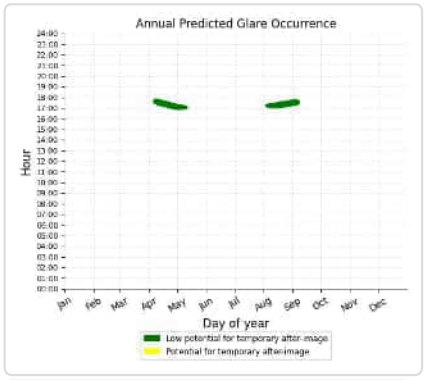


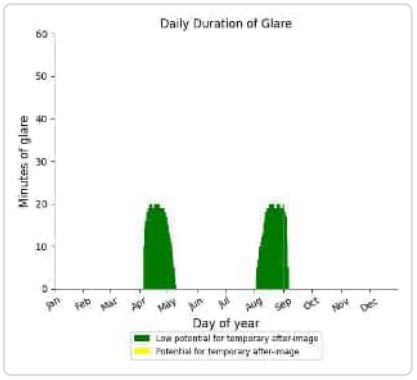


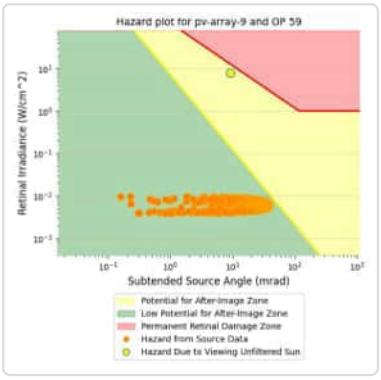
PV array 9: OP 59

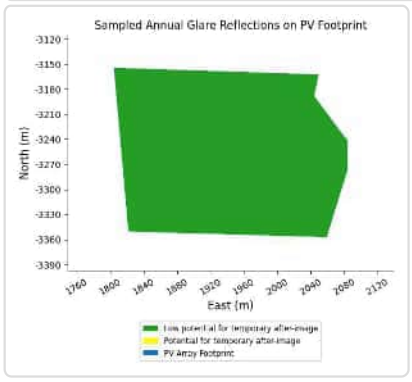
PV array is expected to produce the following glare for this receptor:

- 1,112 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





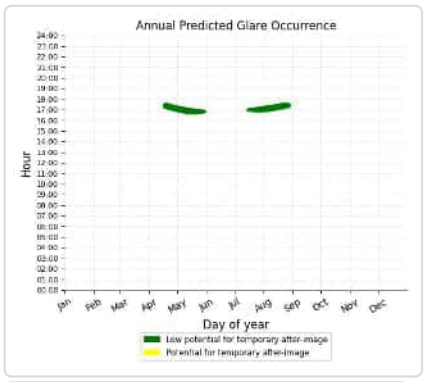


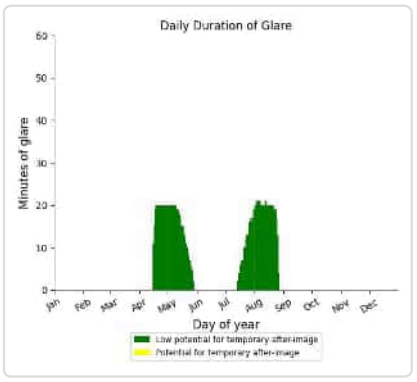


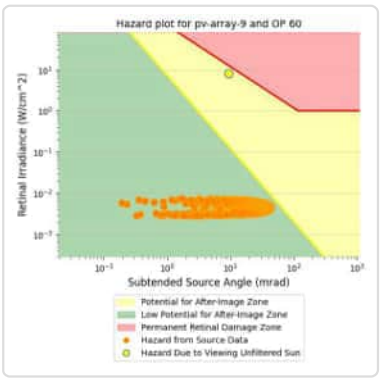
PV array 9: OP 60

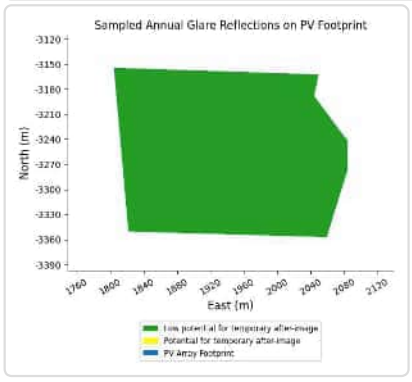
PV array is expected to produce the following glare for this receptor:

- 1,415 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





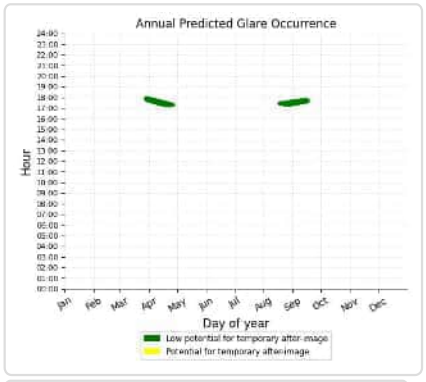


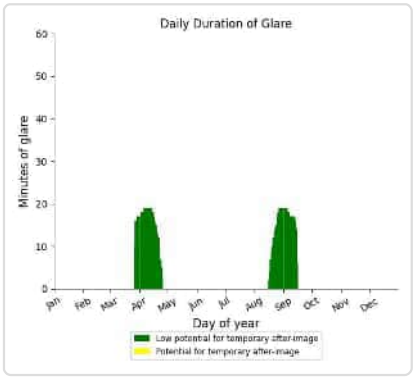


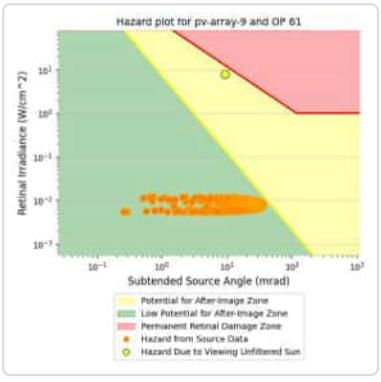
PV array 9: OP 61

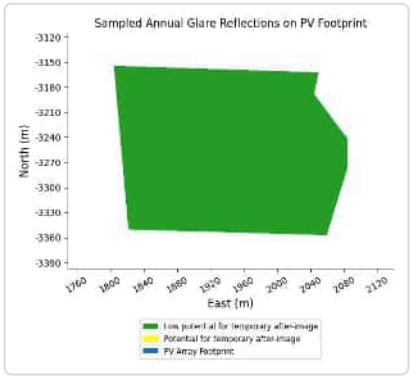
PV array is expected to produce the following glare for this receptor:

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





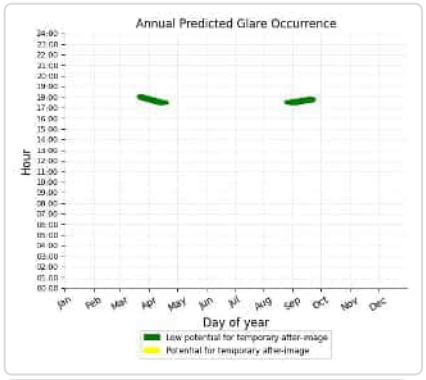


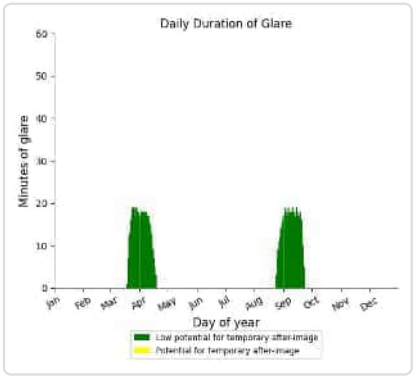


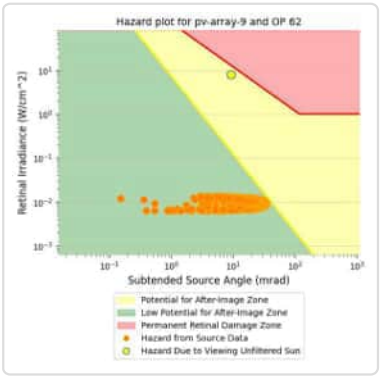
PV array 9: OP 62

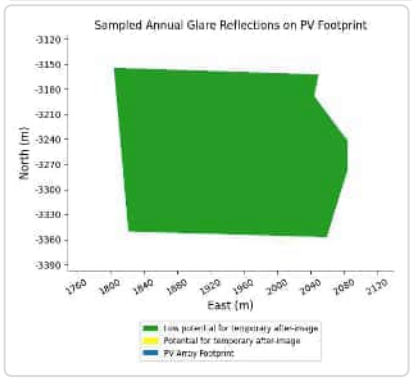
PV array is expected to produce the following glare for this receptor:

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





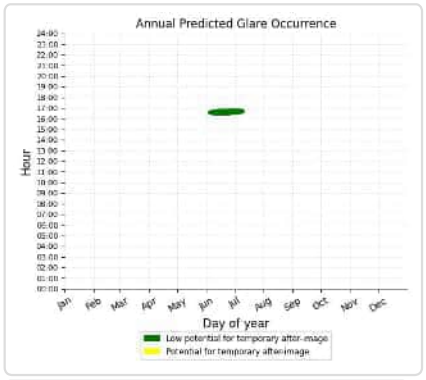


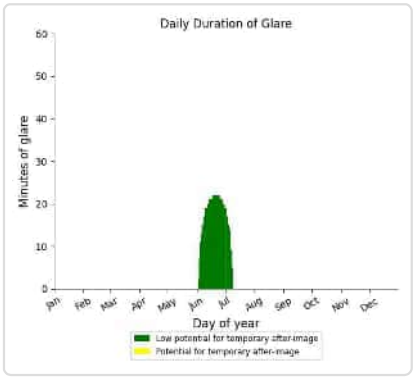


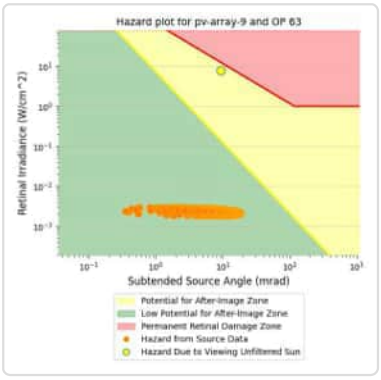
PV array 9: OP 63

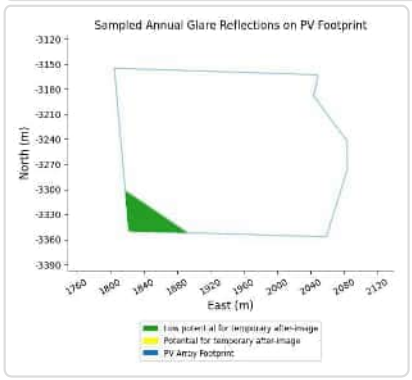
PV array is expected to produce the following glare for this receptor:

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









PV array 9: OP 64

No glare found

PV array 9: OP 65
No glare found

PV array 9: OP 66
No glare found

PV array 9: OP 67
No glare found

PV array 9: OP 68
No glare found

PV array 9: OP 69
No glare found

PV array 9: OP 70
No glare found

PV array 9: OP 71
No glare found

PV array 9: OP 72
No glare found

PV array 9: OP 73
No glare found

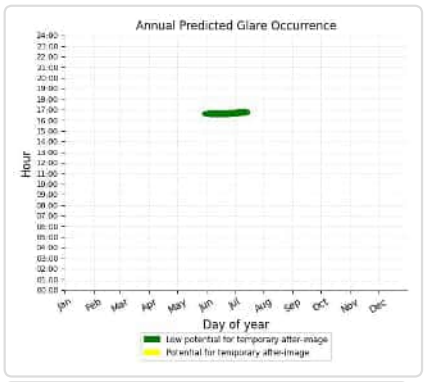
PV array 9: OP 74
No glare found

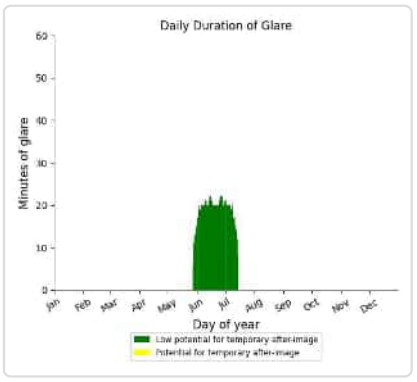
PV array 9: OP 75
No glare found

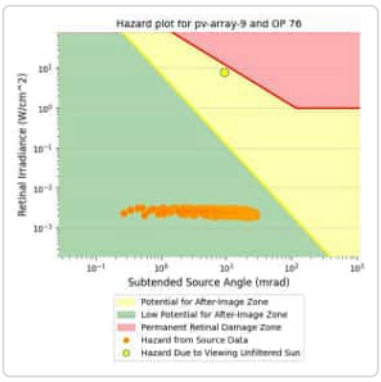
PV array 9: OP 76

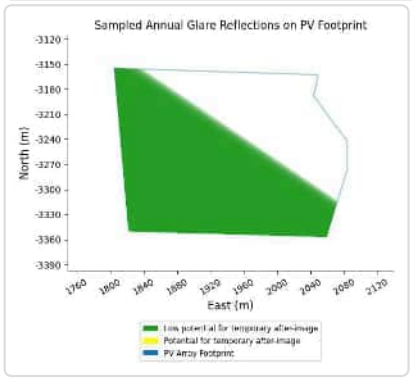
PV array is expected to produce the following glare for this receptor:

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









PV array 9: OP 77

No glare found

PV array 9: OP 78

No glare found

PV array 9: OP 79

No glare found

Summary of Vertical Surface Glare Analysis

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not automatically 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.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

ForgeSolar

Fosse Green Solar Farm

Fosse Green SF Bridleway Tracker

Created Mar 18, 2025
Updated Mar 18, 2025
Time-step 1 minute
Timezone offset UTC0
Minimum sun altitude 0.0 deg
Site ID 144412.18719

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**

PV Analysis Methodology: **Version 2**
Enhanced subtended angle calculation: **On**

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

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
PV array 1	SA tracking	SA tracking	189,555	25,032	-
PV array 10	SA tracking	SA tracking	14,203	3,237	-
PV array 11	SA tracking	SA tracking	68,683	41,723	-
PV array 12	SA tracking	SA tracking	5,896	0	-
PV array 13	SA tracking	SA tracking	79,591	40,745	-
PV array 14	SA tracking	SA tracking	57,297	128	-
PV array 15	SA tracking	SA tracking	3,603	13	-
PV array 2	SA tracking	SA tracking	287,790	48,311	-
PV array 3	SA tracking	SA tracking	11,014	3,910	-
PV array 4	SA tracking	SA tracking	24,006	8,359	-
PV array 6	SA tracking	SA tracking	24,038	3,836	-
PV array 7	SA tracking	SA tracking	12,900	293	-
PV array 8	SA tracking	SA tracking	1,672	0	-
PV array 9	SA tracking	SA tracking	1,943	0	-

Component Data

PV Array(s)

Total PV footprint area: 5,023,680 m^2

Name: PV array 1
Footprint area: 490,759 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.173327	-0.683693	15.22	3.50	18.72
2	53.171796	-0.684143	15.03	3.50	18.53
3	53.171552	-0.683478	15.19	3.50	18.69
4	53.171127	-0.682985	15.98	3.50	19.48
5	53.169712	-0.681805	15.00	3.50	18.50
6	53.168092	-0.681418	16.50	3.50	20.00
7	53.167989	-0.682362	16.00	3.50	19.50
8	53.167616	-0.682427	15.86	3.50	19.36
9	53.166844	-0.682749	16.00	3.50	19.50
10	53.166574	-0.682985	16.00	3.50	19.50
11	53.166123	-0.682920	16.00	3.50	19.50
12	53.166394	-0.680345	17.00	3.50	20.50
13	53.166741	-0.680410	16.40	3.50	19.90
14	53.166831	-0.679530	17.48	3.50	20.98
15	53.167320	-0.679659	17.17	3.50	20.67
16	53.167564	-0.677277	20.64	3.50	24.14
17	53.166522	-0.676741	20.78	3.50	24.28
18	53.164880	-0.675150	20.68	3.50	24.18
19	53.165403	-0.672857	27.63	3.50	31.13
20	53.165648	-0.671870	30.61	3.50	34.11
21	53.166458	-0.671269	32.00	3.50	35.50
22	53.166857	-0.671569	31.99	3.50	35.49
23	53.167847	-0.667406	24.66	3.50	28.16
24	53.169468	-0.666720	25.10	3.50	28.60
25	53.169031	-0.668608	27.89	3.50	31.39
26	53.169198	-0.670067	30.98	3.50	34.48
27	53.169982	-0.673629	26.94	3.50	30.44
28	53.170246	-0.673758	26.58	3.50	30.08
29	53.171294	-0.673125	28.40	3.50	31.90
30	53.171745	-0.672299	30.82	3.50	34.32
31	53.172105	-0.674048	26.50	3.50	30.00
32	53.171674	-0.675957	22.65	3.50	26.15
33	53.171507	-0.677599	22.08	3.50	25.58
34	53.171629	-0.678414	22.99	3.50	26.49
35	53.171918	-0.678833	24.21	3.50	27.71
36	53.171809	-0.679283	22.62	3.50	26.12
37	53.171449	-0.679391	20.48	3.50	23.98
38	53.170838	-0.677985	18.51	3.50	22.01
39	53.170593	-0.678028	17.96	3.50	21.46
40	53.170606	-0.678200	17.83	3.50	21.33
41	53.171372	-0.679906	19.18	3.50	22.68
42	53.171249	-0.681719	17.42	3.50	20.92
43	53.171378	-0.681955	17.27	3.50	20.77
44	53.171333	-0.682395	16.56	3.50	20.06
45	53.171597	-0.682502	16.79	3.50	20.29
46	53.173384	-0.681622	18.75	3.50	22.25

Name: PV array 10
Footprint area: 185,320 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.150798	-0.633966	8.64	3.50	12.14
2	53.150219	-0.635436	8.34	3.50	11.84
3	53.150026	-0.636744	8.28	3.50	11.78
4	53.148983	-0.636744	9.89	3.50	13.39
5	53.148803	-0.636862	10.13	3.50	13.63
6	53.148829	-0.637045	9.76	3.50	13.26
7	53.147420	-0.637957	10.19	3.50	13.69
8	53.146461	-0.637796	10.65	3.50	14.15
9	53.146126	-0.637302	11.44	3.50	14.94
10	53.145875	-0.635146	9.74	3.50	13.24
11	53.145566	-0.635264	9.14	3.50	12.64
12	53.145451	-0.635843	9.42	3.50	12.92
13	53.145142	-0.635951	9.94	3.50	13.44
14	53.144987	-0.634910	11.54	3.50	15.04
15	53.144637	-0.634278	12.00	3.50	15.50
16	53.143968	-0.633344	12.41	3.50	15.91
17	53.144200	-0.633280	11.84	3.50	15.34
18	53.144953	-0.632754	9.97	3.50	13.47
19	53.145828	-0.631949	10.31	3.50	13.81
20	53.146497	-0.631509	11.15	3.50	14.65
21	53.147668	-0.633848	12.51	3.50	16.01
22	53.148395	-0.633344	12.81	3.50	16.31
23	53.148254	-0.632947	13.08	3.50	16.58
24	53.148910	-0.632035	13.05	3.50	16.55
25	53.149148	-0.632604	13.03	3.50	16.53
26	53.149631	-0.631853	12.49	3.50	15.99

Name: PV array 11
Footprint area: 719,118 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.148506	-0.631749	13.14	3.50	16.64
2	53.147850	-0.632704	12.97	3.50	16.47
3	53.147683	-0.632715	12.37	3.50	15.87
4	53.146640	-0.630945	11.20	3.50	14.70
5	53.146396	-0.630848	12.22	3.50	15.72
6	53.145637	-0.631266	12.28	3.50	15.78
7	53.144343	-0.632565	11.04	3.50	14.54
8	53.142046	-0.627951	13.11	3.50	16.61
9	53.141524	-0.626084	12.34	3.50	15.84
10	53.138596	-0.627329	13.83	3.50	17.33
11	53.138454	-0.627232	13.48	3.50	16.98
12	53.137051	-0.628370	12.96	3.50	16.46
13	53.137154	-0.629056	13.21	3.50	16.71
14	53.135919	-0.628649	14.19	3.50	17.69
15	53.135771	-0.627640	12.78	3.50	16.28
16	53.134593	-0.628456	13.03	3.50	16.53
17	53.134464	-0.624700	12.77	3.50	16.27
18	53.134618	-0.624700	12.76	3.50	16.26
19	53.134631	-0.624990	12.76	3.50	16.26
20	53.135655	-0.624947	12.58	3.50	16.08
21	53.135758	-0.626331	11.86	3.50	15.36
22	53.136112	-0.626567	11.92	3.50	15.42
23	53.136549	-0.625162	10.74	3.50	14.24
24	53.136717	-0.625055	10.13	3.50	13.63
25	53.136652	-0.624636	10.38	3.50	13.88
26	53.137450	-0.624089	10.03	3.50	13.53
27	53.135830	-0.616790	7.11	3.50	10.61
28	53.136200	-0.615960	6.99	3.50	10.49
29	53.137240	-0.614930	7.15	3.50	10.65
30	53.137620	-0.615100	7.24	3.50	10.74
31	53.137860	-0.615550	7.38	3.50	10.88
32	53.137990	-0.614790	7.14	3.50	10.64
33	53.139105	-0.617426	7.93	3.50	11.43
34	53.139800	-0.619754	11.05	3.50	14.55
35	53.141717	-0.618682	9.38	3.50	12.88
36	53.142129	-0.620227	11.21	3.50	14.71
37	53.142007	-0.620323	10.80	3.50	14.30
38	53.142541	-0.622211	11.19	3.50	14.69
39	53.144034	-0.620784	11.76	3.50	15.26
40	53.144607	-0.623563	11.92	3.50	15.42
41	53.145591	-0.624582	12.63	3.50	16.13
42	53.145044	-0.625248	12.90	3.50	16.40
43	53.145077	-0.625666	12.28	3.50	15.78
44	53.146634	-0.628348	11.72	3.50	15.22
45	53.146808	-0.628220	12.16	3.50	15.66
46	53.148268	-0.630762	12.11	3.50	15.61
47	53.148101	-0.631030	11.92	3.50	15.42

Name: PV array 12
Footprint area: 73,115 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.136228	-0.613414	8.07	3.50	11.57
2	53.135854	-0.613478	8.46	3.50	11.96
3	53.133222	-0.614980	9.82	3.50	13.32
4	53.132887	-0.611772	10.64	3.50	14.14
5	53.135977	-0.610335	9.13	3.50	12.63

Name: PV array 13
Footprint area: 737,153 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.135585	-0.658160	11.48	3.50	14.98
2	53.136461	-0.665906	14.75	3.50	18.25
3	53.130642	-0.667945	14.56	3.50	18.06
4	53.130333	-0.666357	13.81	3.50	17.31
5	53.128440	-0.666872	14.86	3.50	18.36
6	53.128582	-0.668717	14.77	3.50	18.27
7	53.128273	-0.668782	14.57	3.50	18.07
8	53.128131	-0.667301	14.49	3.50	17.99
9	53.125730	-0.667666	13.07	3.50	16.57
10	53.125710	-0.667945	12.94	3.50	16.44
11	53.124455	-0.667505	13.19	3.50	16.69
12	53.124558	-0.666711	12.70	3.50	16.20
13	53.123380	-0.665788	11.31	3.50	14.81
14	53.123457	-0.665370	11.00	3.50	14.50
15	53.123122	-0.665220	12.04	3.50	15.54
16	53.123476	-0.663514	13.15	3.50	16.65
17	53.124365	-0.661776	13.29	3.50	16.79
18	53.124571	-0.660832	13.96	3.50	17.46
19	53.125067	-0.660220	13.10	3.50	16.60
20	53.126410	-0.656650	11.66	3.50	15.16
21	53.126650	-0.656260	11.38	3.50	14.88
22	53.126960	-0.656270	11.65	3.50	15.15
23	53.127180	-0.656070	12.25	3.50	15.75
24	53.127600	-0.659050	12.08	3.50	15.58
25	53.128790	-0.658920	13.52	3.50	17.02
26	53.129280	-0.661440	14.94	3.50	18.44
27	53.131090	-0.659840	14.90	3.50	18.40
28	53.131520	-0.659500	14.40	3.50	17.90
29	53.132320	-0.658860	12.70	3.50	16.20
30	53.133270	-0.657930	12.71	3.50	16.21
31	53.133345	-0.658664	11.01	3.50	14.51

Name: PV array 14
Footprint area: 209,712 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.132660	-0.653180	10.42	3.50	13.92
2	53.132070	-0.653360	10.23	3.50	13.73
3	53.131511	-0.653075	11.28	3.50	14.78
4	53.130770	-0.652409	10.38	3.50	13.88
5	53.130352	-0.650049	9.94	3.50	13.44
6	53.130095	-0.649556	9.85	3.50	13.35
7	53.130275	-0.649255	10.71	3.50	14.21
8	53.132390	-0.648020	11.64	3.50	15.14
9	53.133030	-0.650850	12.02	3.50	15.52
10	53.133030	-0.650850	12.02	3.50	15.52
11	53.136270	-0.648960	10.09	3.50	13.59
12	53.136270	-0.648960	10.09	3.50	13.59
13	53.136080	-0.645870	9.77	3.50	13.27
14	53.136080	-0.645870	9.77	3.50	13.27
15	53.137430	-0.645210	9.73	3.50	13.23
16	53.137430	-0.645210	9.73	3.50	13.23
17	53.137750	-0.648600	9.23	3.50	12.73
18	53.137750	-0.648600	9.23	3.50	12.73
19	53.137580	-0.648830	9.22	3.50	12.72
20	53.137580	-0.648830	9.22	3.50	12.72
21	53.138060	-0.652120	9.08	3.50	12.58
22	53.138060	-0.652120	9.08	3.50	12.58
23	53.137820	-0.652230	9.58	3.50	13.08
24	53.137820	-0.652230	9.58	3.50	13.08
25	53.137750	-0.652040	9.56	3.50	13.06
26	53.137750	-0.652040	9.56	3.50	13.06
27	53.135890	-0.651840	9.88	3.50	13.38
28	53.135890	-0.651840	9.88	3.50	13.38

Name: PV array 15
Footprint area: 78,226 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.132772	-0.647378	9.94	3.50	13.44
2	53.130056	-0.648847	10.80	3.50	14.30
3	53.129882	-0.649255	9.89	3.50	13.39
4	53.129303	-0.648847	10.80	3.50	14.30
5	53.128942	-0.648858	10.87	3.50	14.37
6	53.128884	-0.648418	11.51	3.50	15.01
7	53.128311	-0.648386	11.43	3.50	14.93
8	53.128105	-0.646884	11.40	3.50	14.90
9	53.130622	-0.645758	10.83	3.50	14.33
10	53.130700	-0.646122	11.65	3.50	15.15
11	53.131298	-0.645768	10.18	3.50	13.68
12	53.132410	-0.645330	9.00	3.50	12.50

Name: PV array 2
Footprint area: 575,691 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.178640	-0.666110	19.50	3.50	23.00
2	53.177870	-0.669090	19.28	3.50	22.78
3	53.176523	-0.668029	19.69	3.50	23.19
4	53.174220	-0.666891	26.06	3.50	29.56
5	53.174465	-0.660669	17.80	3.50	21.30
6	53.172497	-0.660755	16.16	3.50	19.66
7	53.172510	-0.661355	17.14	3.50	20.64
8	53.172960	-0.661484	17.29	3.50	20.79
9	53.173230	-0.666677	24.28	3.50	27.78
10	53.172175	-0.666226	20.97	3.50	24.47
11	53.171823	-0.664919	19.69	3.50	23.19
12	53.171714	-0.664865	19.72	3.50	23.22
13	53.170968	-0.662526	18.08	3.50	21.58
14	53.170357	-0.661797	17.29	3.50	20.79
15	53.174293	-0.653523	13.69	3.50	17.19
16	53.178283	-0.655459	15.69	3.50	19.19
17	53.179363	-0.655588	13.41	3.50	16.91
18	53.178051	-0.662519	19.70	3.50	23.20
19	53.177884	-0.665737	19.63	3.50	23.13

Name: PV array 3
Footprint area: 679,840 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.162240	-0.675330	17.88	3.50	21.38
2	53.159340	-0.671810	16.96	3.50	20.46
3	53.159790	-0.670480	16.50	3.50	20.00
4	53.160860	-0.668250	17.83	3.50	21.33
5	53.160420	-0.666810	17.26	3.50	20.76
6	53.159450	-0.669110	15.52	3.50	19.02
7	53.159860	-0.669750	15.96	3.50	19.46
8	53.159140	-0.671710	16.90	3.50	20.40
9	53.158240	-0.670650	16.68	3.50	20.18
10	53.158390	-0.670070	16.02	3.50	19.52
11	53.157840	-0.668790	15.77	3.50	19.27
12	53.159770	-0.664130	19.42	3.50	22.92
13	53.159920	-0.664410	18.34	3.50	21.84
14	53.160980	-0.661830	24.57	3.50	28.07
15	53.161160	-0.662010	24.26	3.50	27.76
16	53.161290	-0.661640	25.79	3.50	29.29
17	53.161160	-0.661450	26.00	3.50	29.50
18	53.162190	-0.659350	26.37	3.50	29.87
19	53.162080	-0.658850	26.32	3.50	29.82
20	53.162650	-0.657690	27.46	3.50	30.96
21	53.165690	-0.658340	22.77	3.50	26.27
22	53.165920	-0.658980	21.27	3.50	24.77
23	53.166210	-0.659430	20.99	3.50	24.49
24	53.165960	-0.661020	21.23	3.50	24.73
25	53.167980	-0.662370	18.26	3.50	21.76
26	53.167650	-0.663320	18.23	3.50	21.73
27	53.167500	-0.667240	23.91	3.50	27.41
28	53.164620	-0.668620	26.56	3.50	30.06
29	53.164820	-0.669520	27.49	3.50	30.99
30	53.163160	-0.671190	20.73	3.50	24.23
31	53.162730	-0.672050	18.84	3.50	22.34
32	53.162570	-0.673160	18.39	3.50	21.89
33	53.162750	-0.673700	17.85	3.50	21.35
34	53.162650	-0.674340	17.02	3.50	20.52

Name: PV array 4
Footprint area: 539,010 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.172585	-0.642585	14.81	3.50	18.31
2	53.173512	-0.648335	13.73	3.50	17.23
3	53.168740	-0.657433	17.19	3.50	20.69
4	53.168530	-0.657412	16.94	3.50	20.44
5	53.168310	-0.657830	18.09	3.50	21.59
6	53.168300	-0.658730	18.04	3.50	21.54
7	53.168070	-0.658890	17.95	3.50	21.45
8	53.165850	-0.657637	21.97	3.50	25.47
9	53.165850	-0.657637	21.97	3.50	25.47
10	53.165650	-0.657980	23.24	3.50	26.74
11	53.165650	-0.657980	23.24	3.50	26.74
12	53.162740	-0.657270	27.18	3.50	30.68
13	53.162740	-0.657270	27.18	3.50	30.68
14	53.164580	-0.653290	23.23	3.50	26.73
15	53.164580	-0.653290	23.23	3.50	26.73
16	53.166200	-0.654060	18.29	3.50	21.79
17	53.166200	-0.654060	18.29	3.50	21.79
18	53.166850	-0.655520	18.20	3.50	21.70
19	53.166850	-0.655520	18.20	3.50	21.70
20	53.167520	-0.655510	17.58	3.50	21.08
21	53.167980	-0.655110	18.44	3.50	21.94
22	53.169113	-0.651554	16.06	3.50	19.56
23	53.169113	-0.651060	15.41	3.50	18.91
24	53.168032	-0.650867	15.63	3.50	19.13
25	53.167955	-0.651597	16.07	3.50	19.57
26	53.167337	-0.651232	15.83	3.50	19.33
27	53.166077	-0.651103	19.26	3.50	22.76
28	53.166115	-0.650481	18.68	3.50	22.18
29	53.165961	-0.650181	19.78	3.50	23.28
30	53.168251	-0.644537	17.16	3.50	20.66
31	53.168920	-0.644687	16.30	3.50	19.80
32	53.170129	-0.644408	16.57	3.50	20.07
33	53.171132	-0.643754	15.25	3.50	18.75
34	53.171151	-0.643400	15.23	3.50	18.73
35	53.172000	-0.642681	14.97	3.50	18.47

Name: PV array 6
Footprint area: 178,317 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.167678	-0.644140	17.52	3.50	21.02
2	53.165556	-0.649011	19.39	3.50	22.89
3	53.164810	-0.644784	20.41	3.50	23.91
4	53.165350	-0.641716	16.27	3.50	19.77
5	53.163562	-0.640986	20.48	3.50	23.98
6	53.161902	-0.640643	22.38	3.50	25.88
7	53.159226	-0.640385	15.78	3.50	19.28
8	53.159329	-0.638197	13.14	3.50	16.64
9	53.162726	-0.638883	20.72	3.50	24.22
10	53.164115	-0.639205	17.21	3.50	20.71
11	53.165183	-0.639763	14.44	3.50	17.94
12	53.165800	-0.640707	14.81	3.50	18.31
13	53.166366	-0.642209	16.10	3.50	19.60
14	53.166971	-0.643282	16.63	3.50	20.13

Name: PV array 7
Footprint area: 492,432 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.164655	-0.651071	23.57	3.50	27.07
2	53.164218	-0.652101	24.34	3.50	27.84
3	53.163588	-0.652015	24.43	3.50	27.93
4	53.163575	-0.652466	24.10	3.50	27.60
5	53.163883	-0.652809	24.86	3.50	28.36
6	53.162790	-0.655406	26.04	3.50	29.54
7	53.162404	-0.655148	26.50	3.50	30.00
8	53.162082	-0.655835	27.39	3.50	30.89
9	53.162263	-0.656543	27.11	3.50	30.61
10	53.161516	-0.658324	26.25	3.50	29.75
11	53.158776	-0.654054	22.55	3.50	26.05
12	53.156879	-0.652104	18.45	3.50	21.95
13	53.156840	-0.650806	17.85	3.50	21.35
14	53.156634	-0.650474	16.75	3.50	20.25
15	53.155412	-0.650935	12.99	3.50	16.49
16	53.155245	-0.650441	12.47	3.50	15.97
17	53.154428	-0.650484	11.62	3.50	15.12
18	53.152317	-0.650581	10.82	3.50	14.32
19	53.151545	-0.650656	11.68	3.50	15.18
20	53.151481	-0.651761	11.49	3.50	14.99
21	53.151159	-0.651729	12.56	3.50	16.06
22	53.151178	-0.650924	12.32	3.50	15.82
23	53.150863	-0.650624	12.97	3.50	16.47
24	53.149042	-0.650581	13.39	3.50	16.89
25	53.149113	-0.652083	14.82	3.50	18.32
26	53.147459	-0.652115	10.92	3.50	14.42
27	53.147762	-0.654604	14.65	3.50	18.15
28	53.146730	-0.654770	11.29	3.50	14.79
29	53.146710	-0.654450	10.79	3.50	14.29
30	53.146660	-0.653930	9.99	3.50	13.49
31	53.146560	-0.653210	9.32	3.50	12.82
32	53.146500	-0.652650	9.65	3.50	13.15
33	53.146620	-0.652540	9.69	3.50	13.19
34	53.146670	-0.652330	9.64	3.50	13.14
35	53.146500	-0.650990	8.94	3.50	12.44
36	53.146830	-0.651060	9.07	3.50	12.57
37	53.147220	-0.650840	9.43	3.50	12.93
38	53.147530	-0.650195	9.95	3.50	13.45
39	53.148058	-0.647824	10.34	3.50	13.84
40	53.149293	-0.647502	11.75	3.50	15.25
41	53.149364	-0.647008	11.40	3.50	14.90
42	53.149004	-0.645163	9.84	3.50	13.34
43	53.149068	-0.644702	10.07	3.50	13.57
44	53.149589	-0.644659	10.09	3.50	13.59
45	53.150246	-0.645152	10.47	3.50	13.97
46	53.150709	-0.646118	10.77	3.50	14.27
47	53.150861	-0.646854	11.55	3.50	15.05
48	53.152186	-0.646683	10.55	3.50	14.05
49	53.152302	-0.648378	10.85	3.50	14.35
50	53.152559	-0.648356	11.03	3.50	14.53
51	53.152650	-0.647820	11.33	3.50	14.83
52	53.152843	-0.647562	10.51	3.50	14.01
53	53.152984	-0.648185	10.54	3.50	14.04
54	53.153396	-0.648850	10.72	3.50	14.22
55	53.153821	-0.649000	11.70	3.50	15.20
56	53.153821	-0.647176	11.57	3.50	15.07
57	53.157030	-0.647114	18.62	3.50	22.12
58	53.157911	-0.650923	21.21	3.50	24.71
59	53.159526	-0.650773	24.30	3.50	27.80
60	53.159841	-0.651545	25.93	3.50	29.43
61	53.160478	-0.652318	28.32	3.50	31.82
62	53.160542	-0.654142	27.00	3.50	30.50
63	53.161668	-0.654152	28.25	3.50	31.75
64	53.162003	-0.653691	27.32	3.50	30.82

65	53.161359	-0.652489	27.84	3.50	31.34
66	53.161314	-0.650848	28.23	3.50	31.73

Name: PV array 8
Footprint area: 15,661 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.149067	-0.644094	9.24	3.50	12.74
2	53.149505	-0.644029	9.82	3.50	13.32
3	53.149878	-0.644094	9.57	3.50	13.07
4	53.150888	-0.643353	9.27	3.50	12.77
5	53.150521	-0.642002	8.25	3.50	11.75
6	53.149871	-0.642806	8.50	3.50	12.00
7	53.149472	-0.642796	8.80	3.50	12.30
8	53.149215	-0.643192	8.74	3.50	12.24
9	53.149022	-0.644072	9.17	3.50	12.67

Name: PV array 9
Footprint area: 49,327 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.144980	-0.656700	12.95	3.50	16.45
2	53.143230	-0.656440	10.07	3.50	13.57
3	53.143170	-0.652900	8.94	3.50	12.44
4	53.143890	-0.652530	9.13	3.50	12.63
5	53.144200	-0.652530	9.20	3.50	12.70
6	53.144680	-0.653130	9.45	3.50	12.95
7	53.144910	-0.653050	9.39	3.50	12.89

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	m	m	m
OP 1	53.174691	-0.681164	19.47	2.50	21.97
OP 2	53.173263	-0.681067	20.53	2.50	23.03
OP 3	53.171263	-0.681807	17.30	2.50	19.80
OP 4	53.169572	-0.680593	15.20	2.50	17.70
OP 5	53.167950	-0.679636	16.67	2.50	19.17
OP 6	53.166156	-0.679041	18.00	2.50	20.50
OP 7	53.180590	-0.666757	17.96	2.50	20.46
OP 8	53.178879	-0.666059	19.12	2.50	21.62
OP 9	53.178114	-0.664160	19.78	2.50	22.28
OP 10	53.178468	-0.661360	17.80	2.50	20.30
OP 11	53.178995	-0.658581	15.45	2.50	17.95
OP 12	53.179387	-0.652895	16.42	2.50	18.92
OP 13	53.179220	-0.649880	24.75	2.50	27.25
OP 14	53.177426	-0.662250	20.91	2.50	23.41
OP 15	53.175857	-0.661145	20.11	2.50	22.61
OP 16	53.174121	-0.660963	17.93	2.50	20.43
OP 17	53.178841	-0.646125	26.74	2.50	29.24
OP 18	53.177368	-0.647262	21.28	2.50	23.78
OP 19	53.176172	-0.649301	15.57	2.50	18.07
OP 20	53.176500	-0.645621	19.88	2.50	22.38
OP 21	53.175773	-0.643314	17.20	2.50	19.70
OP 22	53.161103	-0.683225	17.01	2.50	19.51
OP 23	53.161952	-0.680704	16.00	2.50	18.50
OP 24	53.162737	-0.678415	17.01	2.50	19.51
OP 25	53.162222	-0.675672	17.91	2.50	20.41
OP 26	53.162718	-0.672904	18.82	2.50	21.32
OP 27	53.163792	-0.670791	24.02	2.50	26.52
OP 28	53.165091	-0.670179	29.61	2.50	32.11
OP 29	53.166255	-0.671198	31.95	2.50	34.45
OP 30	53.167870	-0.670801	30.91	2.50	33.41
OP 31	53.169214	-0.669224	31.87	2.50	34.37
OP 32	53.169632	-0.666585	27.20	2.50	29.70
OP 33	53.169600	-0.664364	20.35	2.50	22.85
OP 34	53.168577	-0.662615	17.82	2.50	20.32
OP 35	53.166873	-0.661489	19.46	2.50	21.96
OP 36	53.166255	-0.659364	21.24	2.50	23.74
OP 37	53.165149	-0.658013	24.27	2.50	26.77
OP 38	53.163367	-0.657626	26.64	2.50	29.14
OP 39	53.157407	-0.657637	23.83	2.50	26.33
OP 40	53.155914	-0.656768	16.99	2.50	19.49
OP 41	53.151147	-0.664246	15.67	2.50	18.17
OP 42	53.151037	-0.661747	15.77	2.50	18.27
OP 43	53.151922	-0.662455	18.27	2.50	20.77
OP 44	53.152054	-0.659671	18.29	2.50	20.79
OP 45	53.153431	-0.639377	9.33	2.50	11.83
OP 46	53.152762	-0.636630	7.88	2.50	10.38
OP 47	53.153379	-0.634077	6.94	2.50	9.44
OP 48	53.150330	-0.632704	11.92	2.50	14.42
OP 49	53.151565	-0.635150	8.37	2.50	10.87
OP 50	53.152839	-0.635450	7.78	2.50	10.28
OP 51	53.153309	-0.632521	7.82	2.50	10.32
OP 52	53.153708	-0.629732	7.40	2.50	9.90
OP 53	53.146231	-0.618627	14.15	2.50	16.65
OP 54	53.144551	-0.619196	12.88	2.50	15.38
OP 55	53.144365	-0.621524	11.43	2.50	13.93
OP 56	53.144088	-0.623831	13.41	2.50	15.91
OP 57	53.142692	-0.625258	12.97	2.50	15.47
OP 58	53.141276	-0.626663	12.92	2.50	15.42
OP 59	53.139667	-0.627168	13.80	2.50	16.30
OP 60	53.138341	-0.628552	13.67	2.50	16.17
OP 61	53.141329	-0.628208	12.56	2.50	15.06
OP 62	53.142520	-0.631416	12.90	2.50	15.40
OP 63	53.136393	-0.638808	13.77	2.50	16.27

OP 64	53.135382	-0.640213	11.97	2.50	14.47
OP 65	53.128842	-0.656875	14.25	2.50	16.75
OP 66	53.129608	-0.659836	15.32	2.50	17.82
OP 67	53.130426	-0.661617	14.56	2.50	17.06
OP 68	53.130831	-0.664203	13.38	2.50	15.88
OP 69	53.131198	-0.667196	14.41	2.50	16.91
OP 70	53.128366	-0.649515	10.80	2.50	13.30
OP 71	53.127947	-0.646554	10.36	2.50	12.86
OP 72	53.127481	-0.643941	13.05	2.50	15.55
OP 73	53.128986	-0.633620	14.00	2.50	16.50
OP 74	53.128745	-0.630760	14.22	2.50	16.72
OP 75	53.128935	-0.628185	13.76	2.50	16.26
OP 76	53.126907	-0.612216	11.49	2.50	13.99
OP 77	53.125265	-0.613042	11.55	2.50	14.05
OP 78	53.120527	-0.650704	15.76	2.50	18.26
OP 79	53.119355	-0.648741	16.48	2.50	18.98

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	
PV array 1	SA tracking	SA tracking	189,555	25,032	-	-
PV array 10	SA tracking	SA tracking	14,203	3,237	-	-
PV array 11	SA tracking	SA tracking	68,683	41,723	-	-
PV array 12	SA tracking	SA tracking	5,896	0	-	-
PV array 13	SA tracking	SA tracking	79,591	40,745	-	-
PV array 14	SA tracking	SA tracking	57,297	128	-	-
PV array 15	SA tracking	SA tracking	3,603	13	-	-
PV array 2	SA tracking	SA tracking	287,790	48,311	-	-
PV array 3	SA tracking	SA tracking	11,014	3,910	-	-
PV array 4	SA tracking	SA tracking	24,006	8,359	-	-
PV array 6	SA tracking	SA tracking	24,038	3,836	-	-
PV array 7	SA tracking	SA tracking	12,900	293	-	-
PV array 8	SA tracking	SA tracking	1,672	0	-	-
PV array 9	SA tracking	SA tracking	1,943	0	-	-

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
pv-array-1 (green)	13546	14792	17019	15214	10747	12572	12129	14150	15085	15540	12899	11580
pv-array-1 (yellow)	597	593	496	567	877	763	1009	656	514	435	418	181
pv-array-10 (green)	1080	173	225	47	0	0	0	11	184	333	689	2471
pv-array-10 (yellow)	573	359	364	46	0	0	0	4	271	308	518	794
pv-array-11 (green)	7146	6461	2080	1821	1952	1369	1269	1359	1571	6707	7574	5759
pv-array-11 (yellow)	2644	692	604	996	1349	892	923	854	853	973	1758	4357
pv-array-12 (green)	91	1	0	0	0	0	0	0	61	79	76	178
pv-array-12 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-13 (green)	9135	9170	3805	1155	2293	1784	2117	1680	2738	7764	8589	8071
pv-array-13 (yellow)	2312	1530	1331	696	1141	1027	1600	1090	1011	1309	1539	3582
pv-array-14 (green)	2579	495	319	11	0	0	0	0	60	381	1216	4333
pv-array-14 (yellow)	0	0	0	0	0	0	0	0	0	0	0	49
pv-array-15 (green)	235	62	0	16	0	0	0	1	39	104	278	414
pv-array-15 (yellow)	1	0	0	0	0	0	0	0	0	0	3	7
pv-array-2 (green)	10279	12891	13834	13170	9439	11224	11880	13386	14403	15116	11933	7589
pv-array-2 (yellow)	2836	808	739	982	1053	861	958	543	878	970	1844	4923
pv-array-3 (green)	275	264	336	358	398	284	400	225	167	287	182	72
pv-array-3 (yellow)	0	86	135	146	22	111	219	77	67	113	0	6
pv-array-4 (green)	1716	389	164	17	0	0	0	0	35	330	854	3009
pv-array-4 (yellow)	434	23	0	0	0	0	0	0	0	0	312	1205
pv-array-6 (green)	2105	43	270	0	0	0	0	0	123	154	1410	2020
pv-array-6 (yellow)	243	0	0	0	0	0	0	0	0	0	20	1135
pv-array-7 (green)	0	0	213	361	428	869	748	401	271	15	0	0
pv-array-7 (yellow)	0	0	0	3	22	73	42	6	0	0	0	0
pv-array-8 (green)	0	0	0	0	92	125	90	47	102	41	102	0
pv-array-8 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-9 (green)	0	0	0	0	110	108	167	0	115	30	89	3
pv-array-9 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

PV array 1 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	403	185
OP: OP 3	1363	5647
OP: OP 4	225	0
OP: OP 5	221	4
OP: OP 6	1719	630
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0

OP: OP 16	0	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	500	0
OP: OP 23	417	0
OP: OP 24	310	0
OP: OP 25	0	0
OP: OP 26	150	0
OP: OP 27	367	0
OP: OP 28	598	937
OP: OP 29	8451	5615
OP: OP 30	164738	10482
OP: OP 31	6384	1532
OP: OP 32	35	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	167	0
OP: OP 36	154	0
OP: OP 37	172	0
OP: OP 38	178	0
OP: OP 39	144	0
OP: OP 40	158	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	0	0
OP: OP 45	160	0
OP: OP 46	159	0
OP: OP 47	157	0
OP: OP 48	161	0
OP: OP 49	160	0
OP: OP 50	158	0
OP: OP 51	157	0
OP: OP 52	126	0
OP: OP 53	161	0
OP: OP 54	161	0
OP: OP 55	162	0
OP: OP 56	162	0
OP: OP 57	162	0
OP: OP 58	154	0
OP: OP 59	130	0
OP: OP 60	75	0
OP: OP 61	148	0
OP: OP 62	148	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0

OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

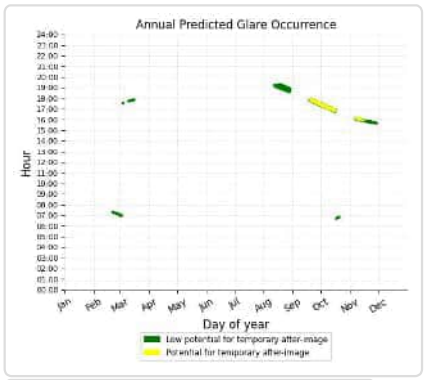
PV array 1: OP 1

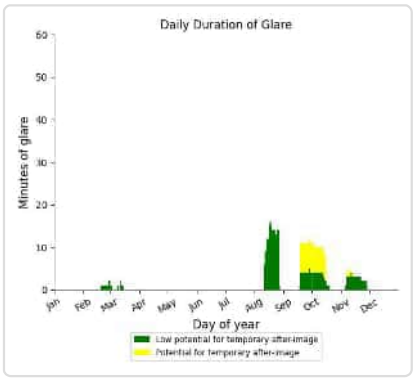
No glare found

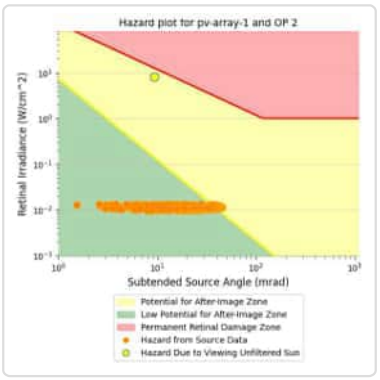
PV array 1: OP 2

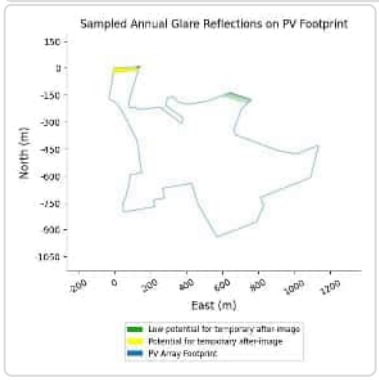
PV array is expected to produce the following glare for this receptor:

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





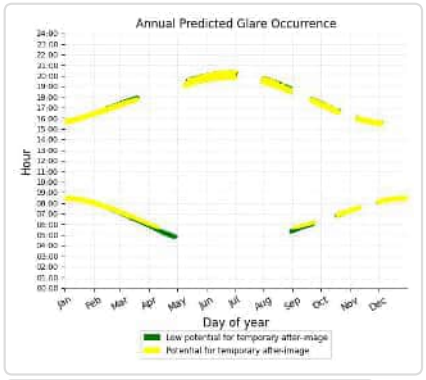


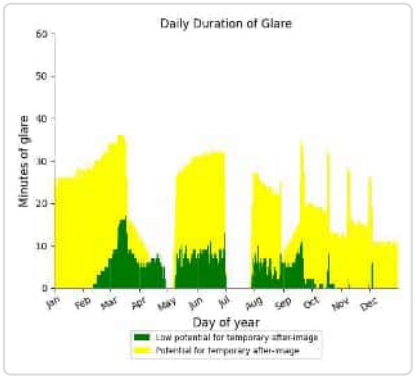


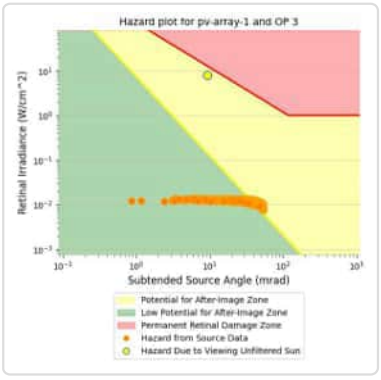
PV array 1: OP 3

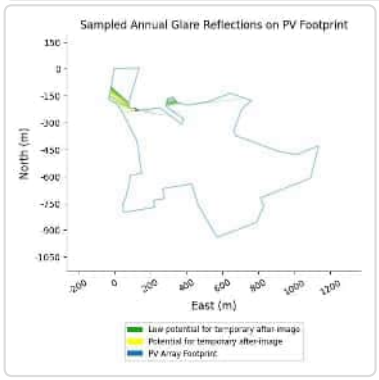
PV array is expected to produce the following glare for this receptor:

- 1,363 minutes of "green" glare with low potential to cause temporary after-image.
- 5,647 minutes of "yellow" glare with potential to cause temporary after-image.





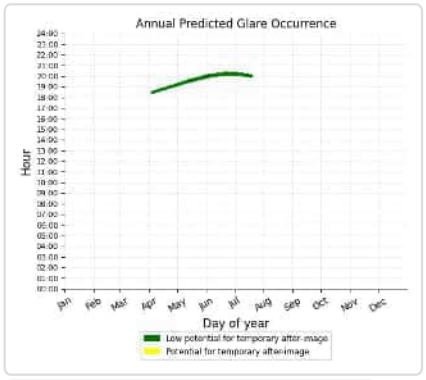


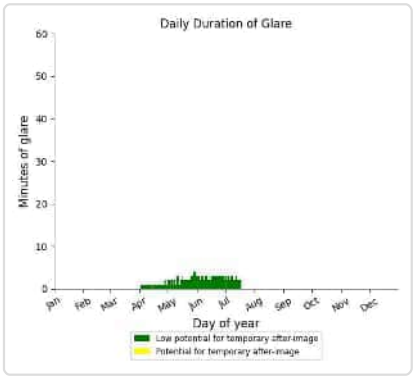


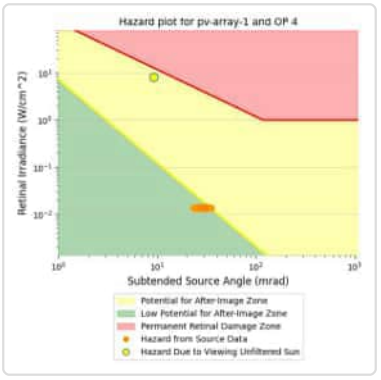
PV array 1: OP 4

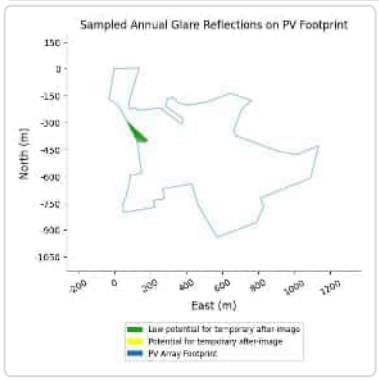
PV array is expected to produce the following glare for this receptor:

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





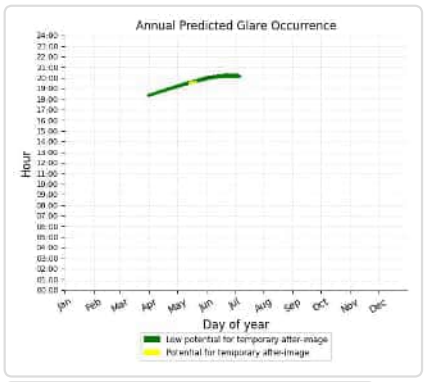


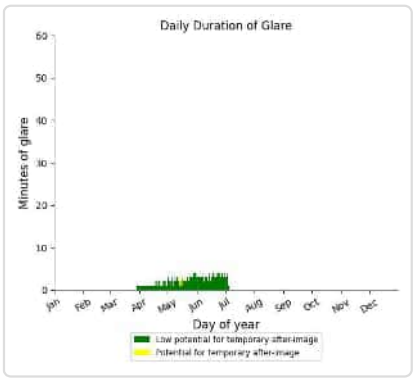


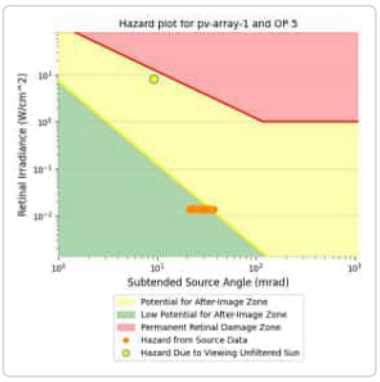
PV array 1: OP 5

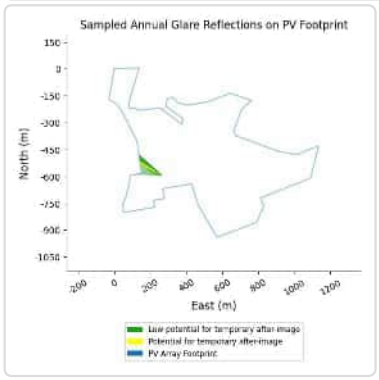
PV array is expected to produce the following glare for this receptor:

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





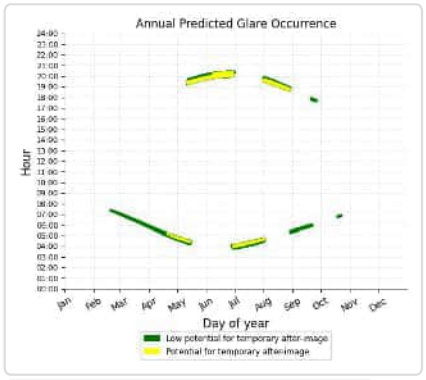


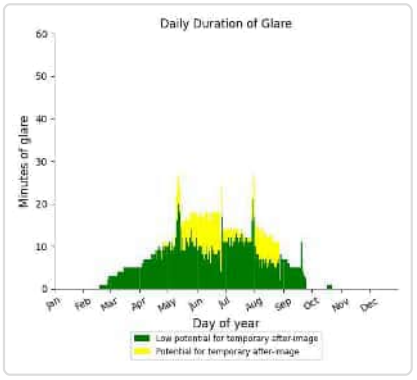


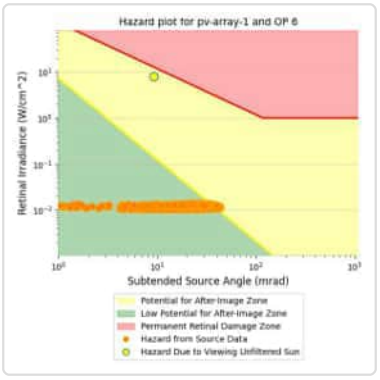
PV array 1: OP 6

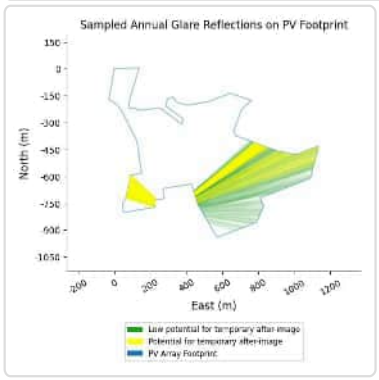
PV array is expected to produce the following glare for this receptor:

- 1,719 minutes of "green" glare with low potential to cause temporary after-image.
- 630 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 1: OP 7

No glare found

PV array 1: OP 8
No glare found

PV array 1: OP 9
No glare found

PV array 1: OP 10
No glare found

PV array 1: OP 11
No glare found

PV array 1: OP 12
No glare found

PV array 1: OP 13
No glare found

PV array 1: OP 14
No glare found

PV array 1: OP 15
No glare found

PV array 1: OP 16
No glare found

PV array 1: OP 17
No glare found

PV array 1: OP 18
No glare found

PV array 1: OP 19
No glare found

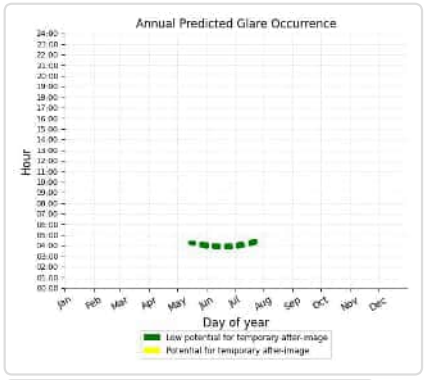
PV array 1: OP 20
No glare found

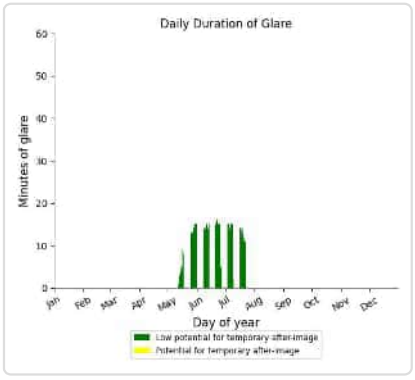
PV array 1: OP 21
No glare found

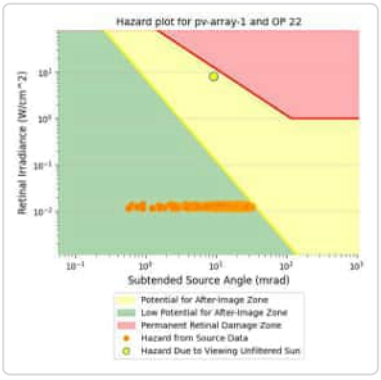
PV array 1: OP 22

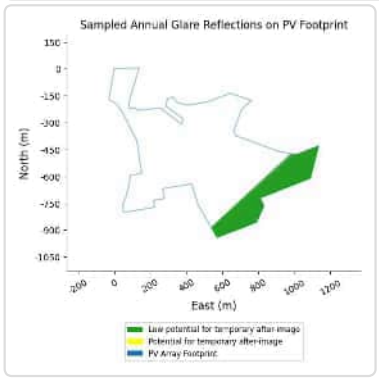
PV array is expected to produce the following glare for this receptor:

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





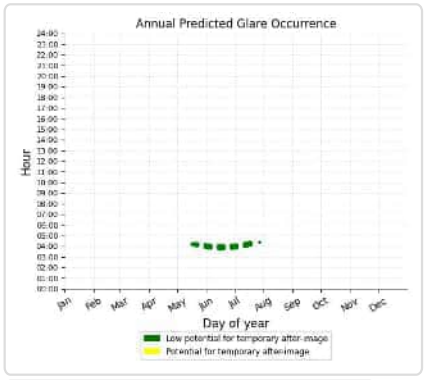


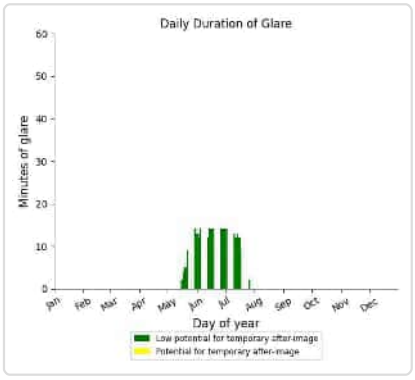


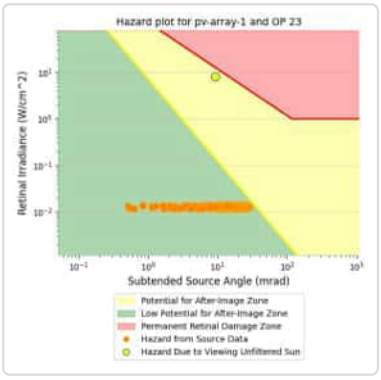
PV array 1: OP 23

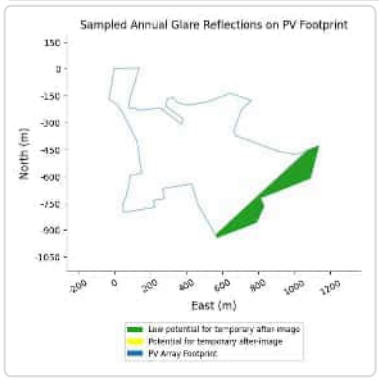
PV array is expected to produce the following glare for this receptor:

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





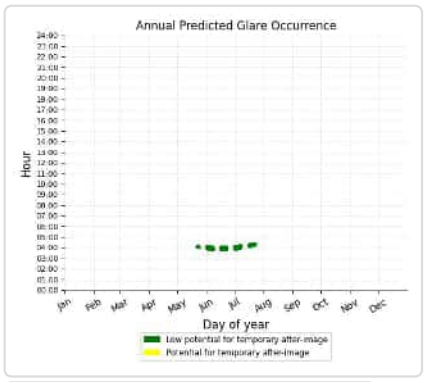


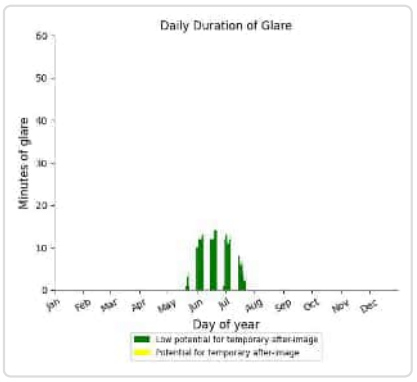


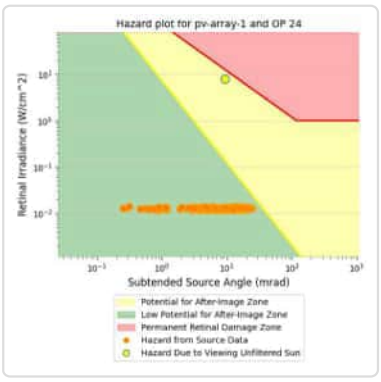
PV array 1: OP 24

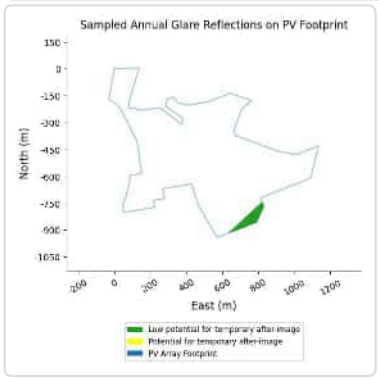
PV array is expected to produce the following glare for this receptor:

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









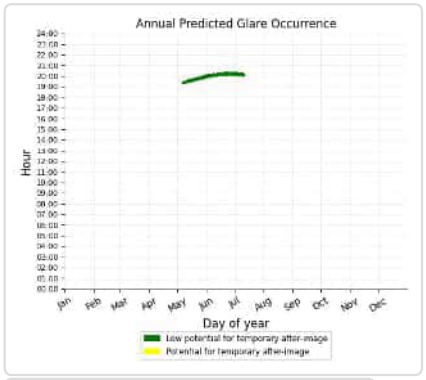
PV array 1: OP 25

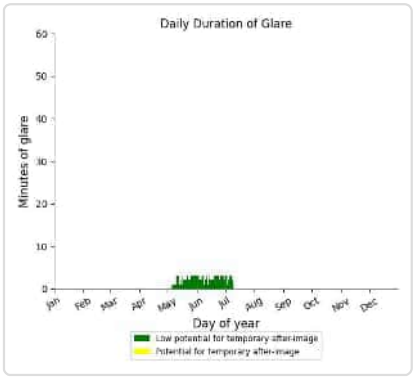
No glare found

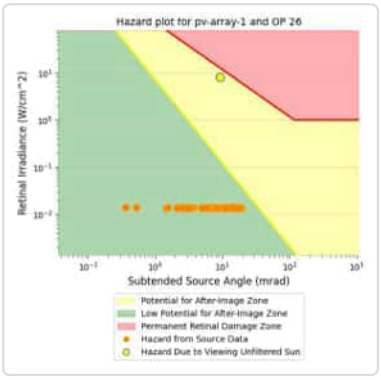
PV array 1: OP 26

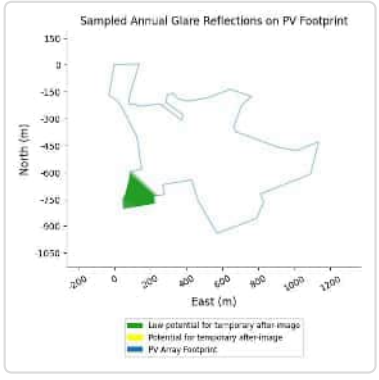
PV array is expected to produce the following glare for this receptor:

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





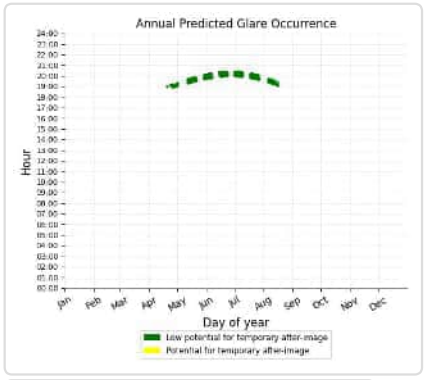


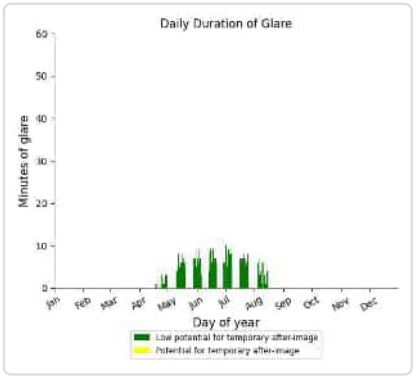


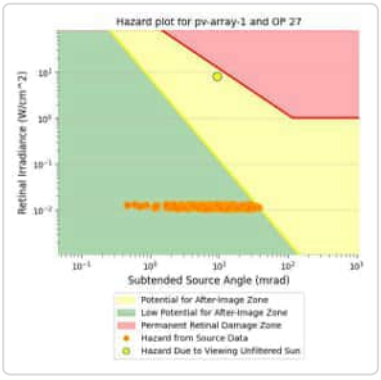
PV array 1: OP 27

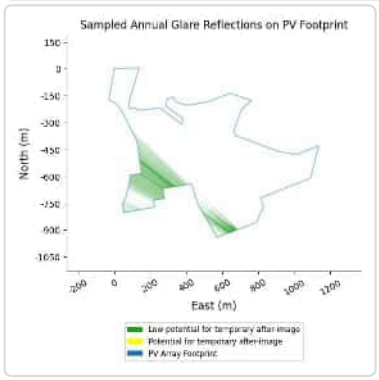
PV array is expected to produce the following glare for this receptor:

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





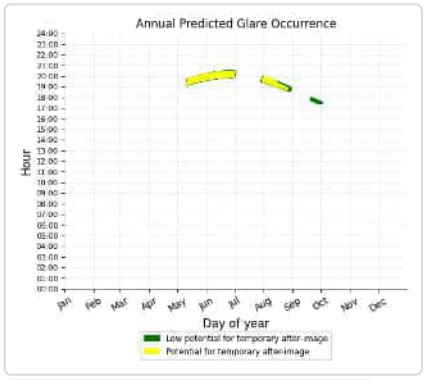


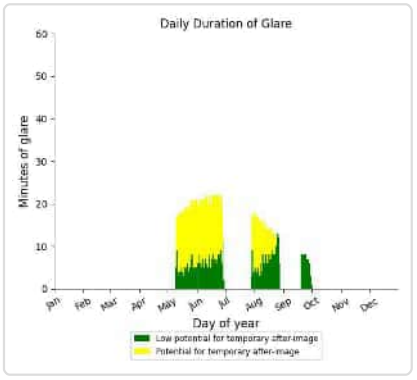


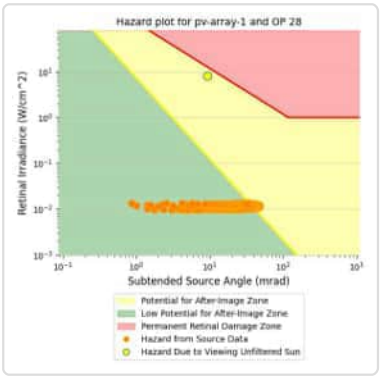
PV array 1: OP 28

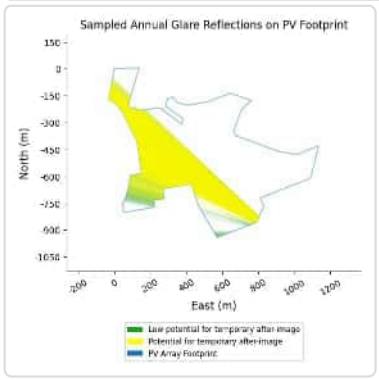
PV array is expected to produce the following glare for this receptor:

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





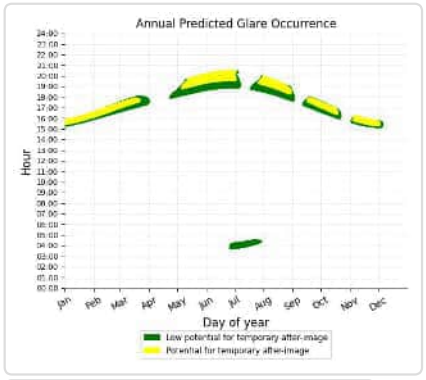


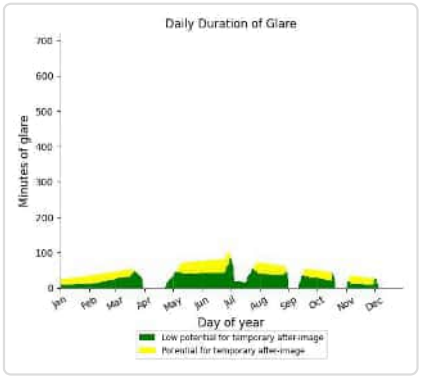


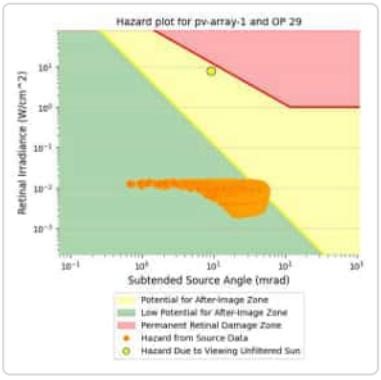
PV array 1: OP 29

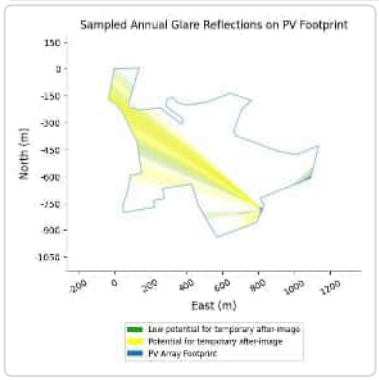
PV array is expected to produce the following glare for this receptor:

- 8,451 minutes of "green" glare with low potential to cause temporary after-image.
- 5,615 minutes of "yellow" glare with potential to cause temporary after-image.





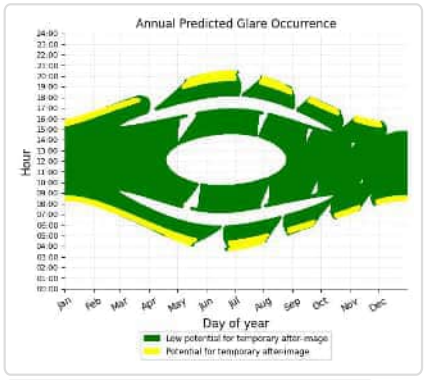


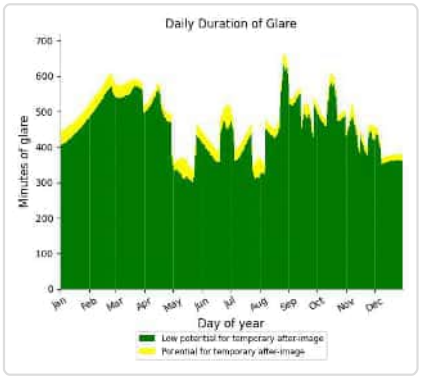


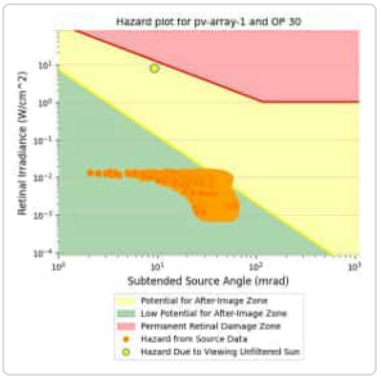
PV array 1: OP 30

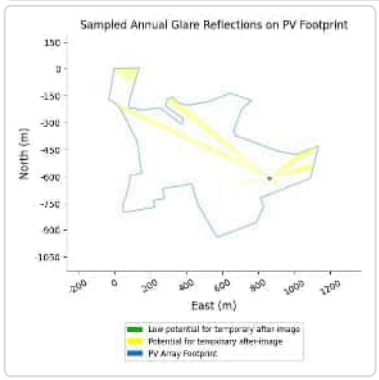
PV array is expected to produce the following glare for this receptor:

- 164,738 minutes of "green" glare with low potential to cause temporary after-image.
- 10,482 minutes of "yellow" glare with potential to cause temporary after-image.





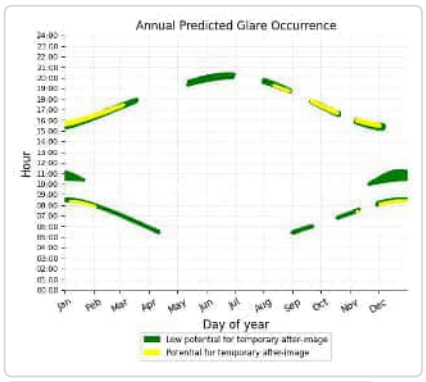


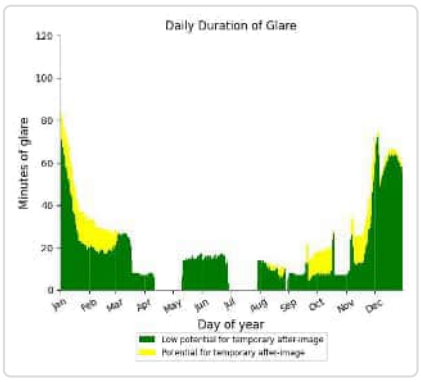


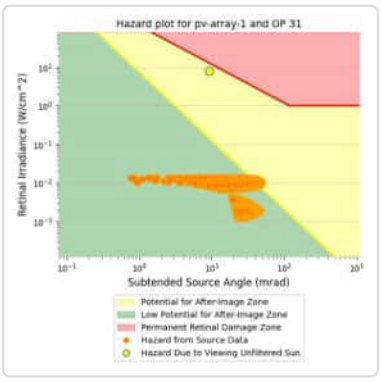
PV array 1: OP 31

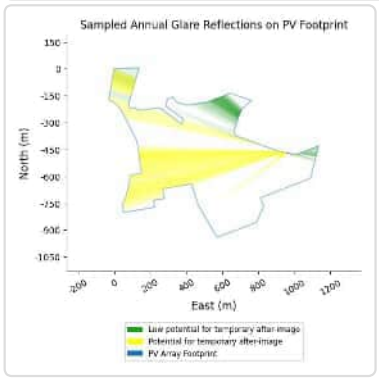
PV array is expected to produce the following glare for this receptor:

- 6,384 minutes of "green" glare with low potential to cause temporary after-image.
- 1,532 minutes of "yellow" glare with potential to cause temporary after-image.





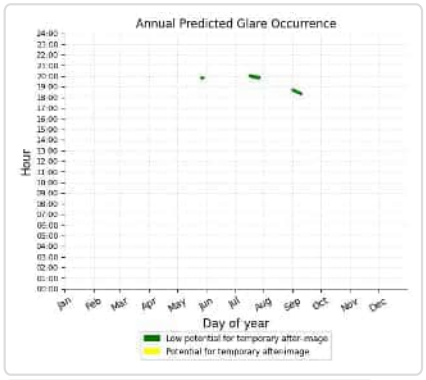


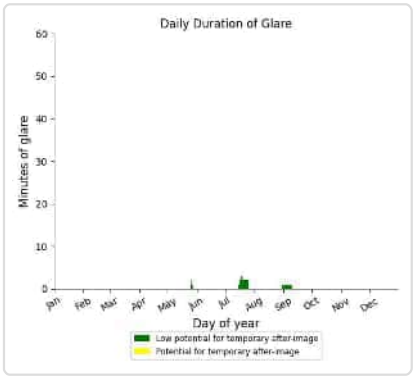


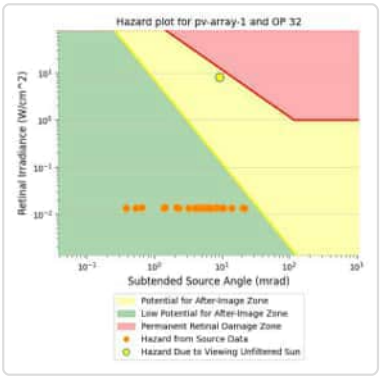
PV array 1: OP 32

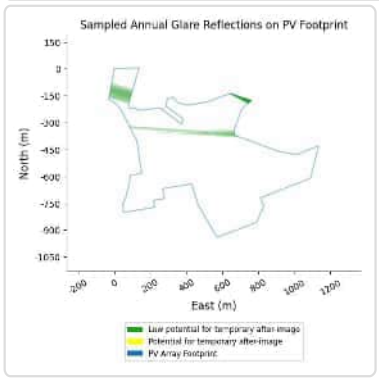
PV array is expected to produce the following glare for this receptor:

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









PV array 1: OP 33

No glare found

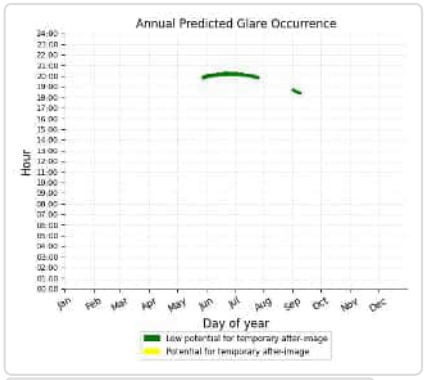
PV array 1: OP 34

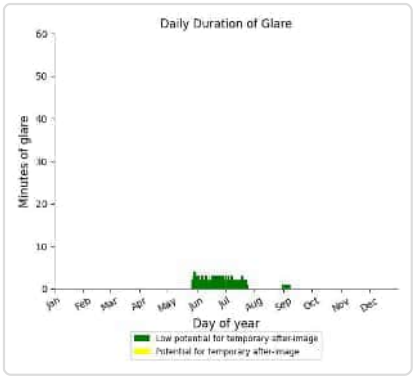
No glare found

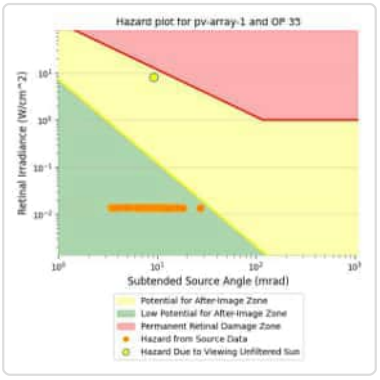
PV array 1: OP 35

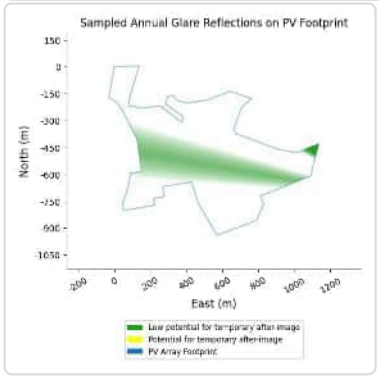
PV array is expected to produce the following glare for this receptor:

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





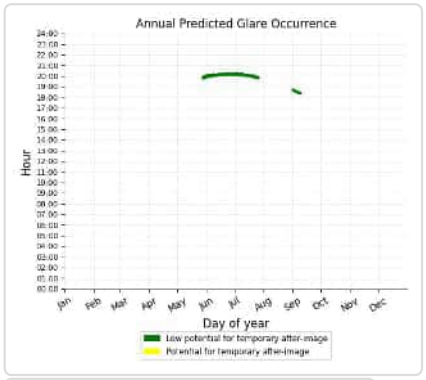


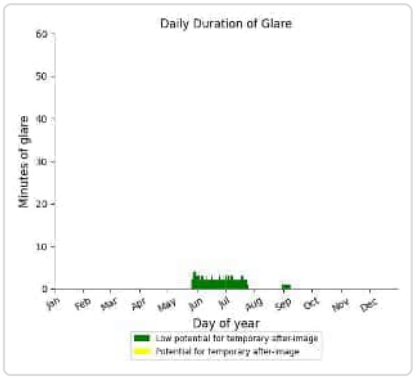


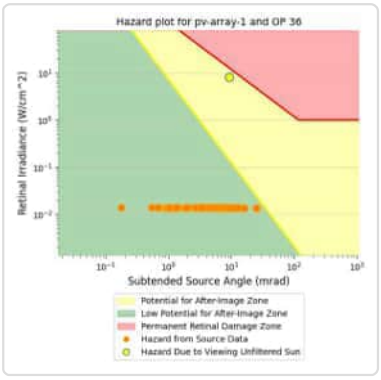
PV array 1: OP 36

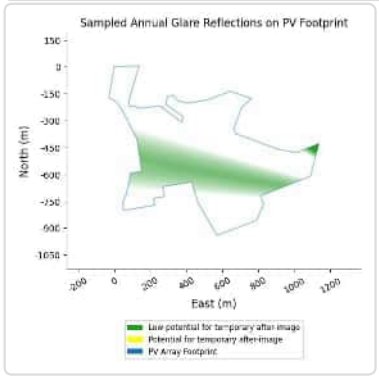
PV array is expected to produce the following glare for this receptor:

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





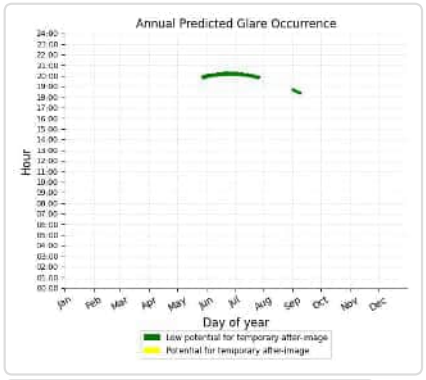


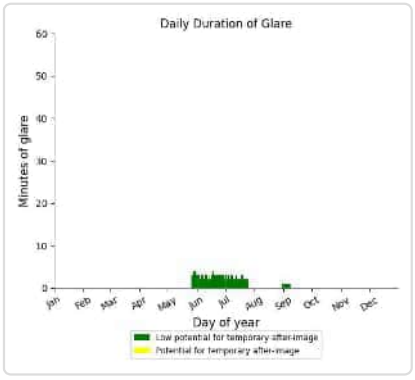


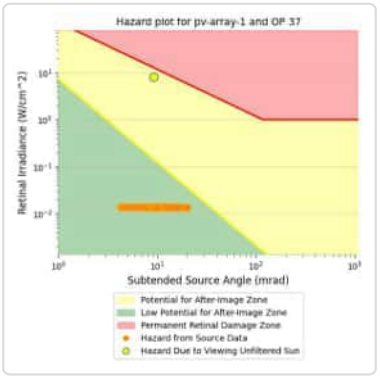
PV array 1: OP 37

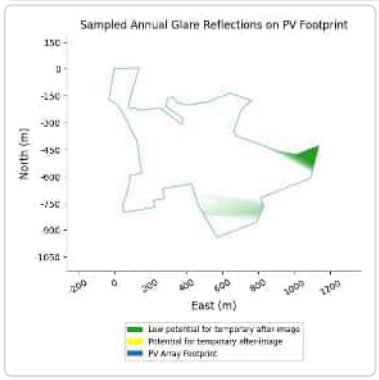
PV array is expected to produce the following glare for this receptor:

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





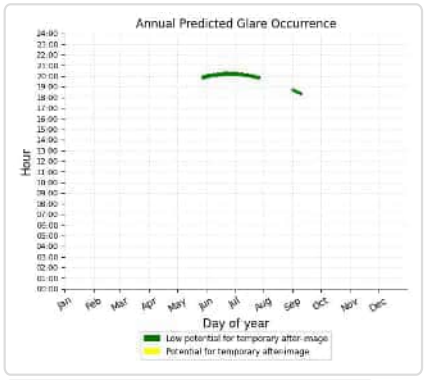


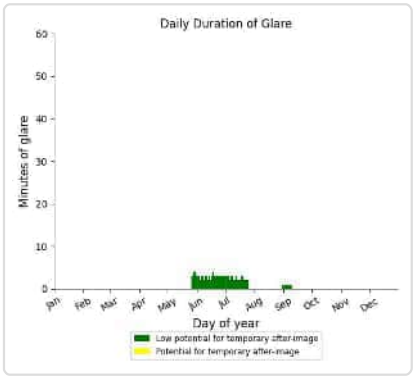


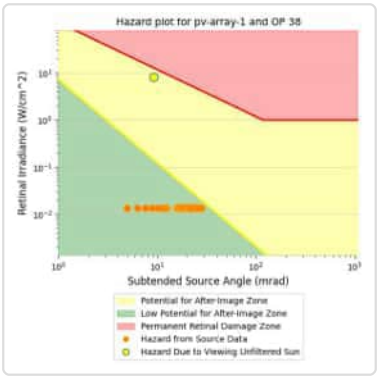
PV array 1: OP 38

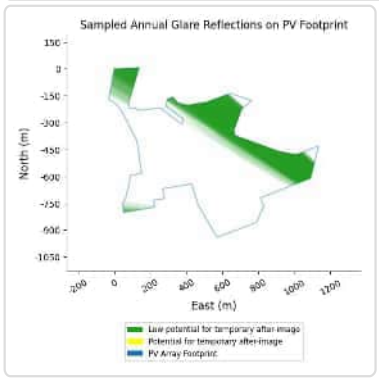
PV array is expected to produce the following glare for this receptor:

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





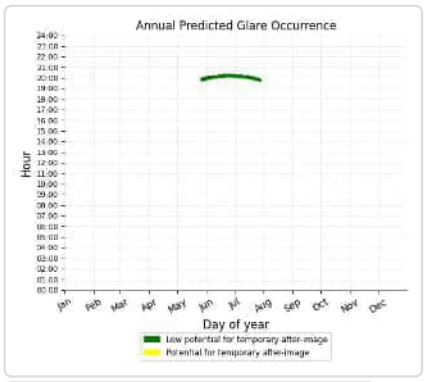


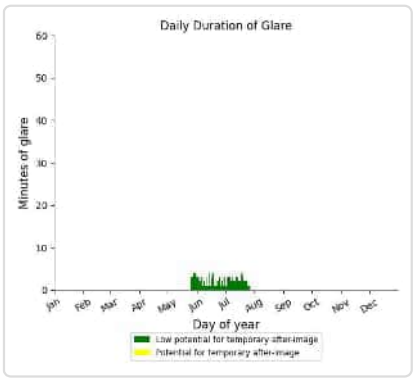


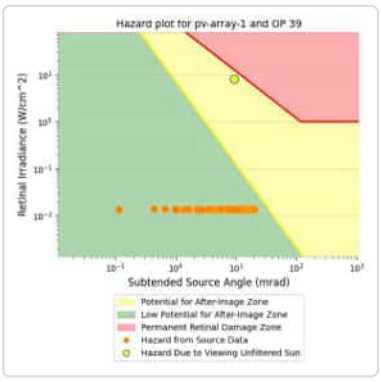
PV array 1: OP 39

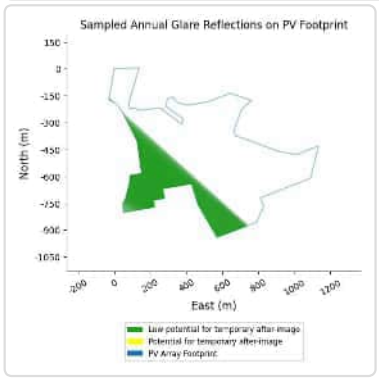
PV array is expected to produce the following glare for this receptor:

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





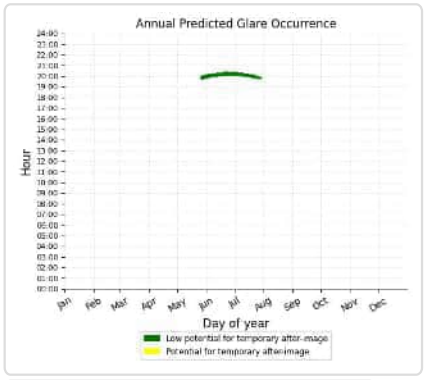


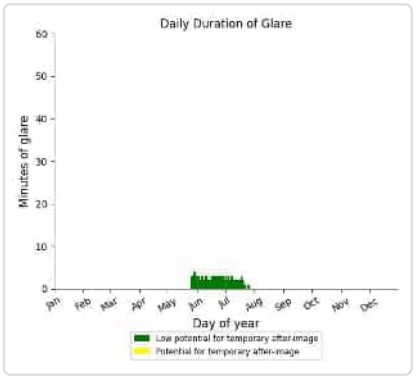


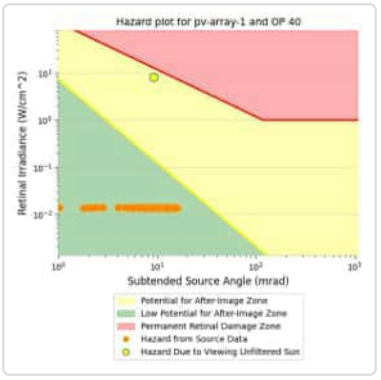
PV array 1: OP 40

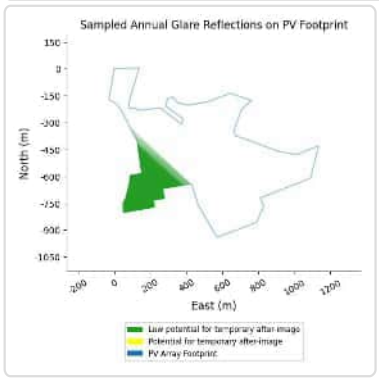
PV array is expected to produce the following glare for this receptor:

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









PV array 1: OP 41

No glare found

PV array 1: OP 42

No glare found

PV array 1: OP 43

No glare found

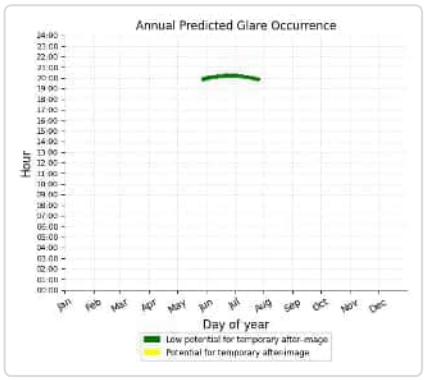
PV array 1: OP 44

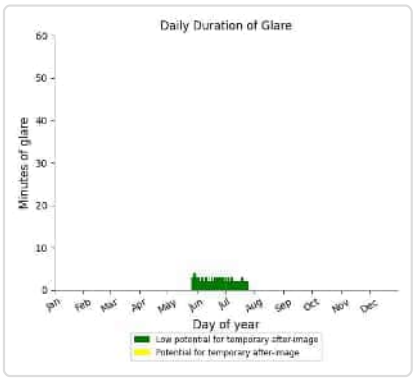
No glare found

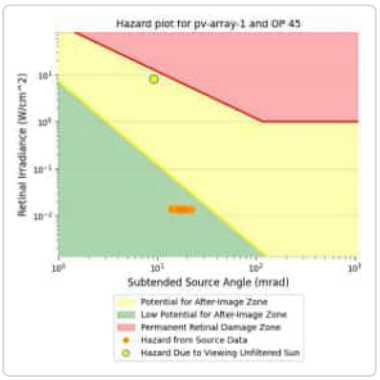
PV array 1: OP 45

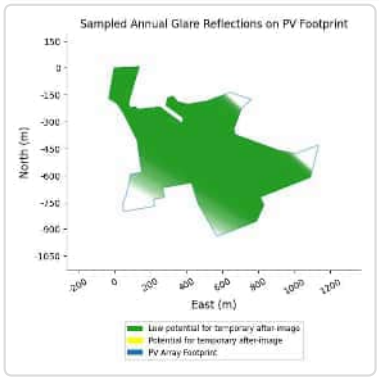
PV array is expected to produce the following glare for this receptor:

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





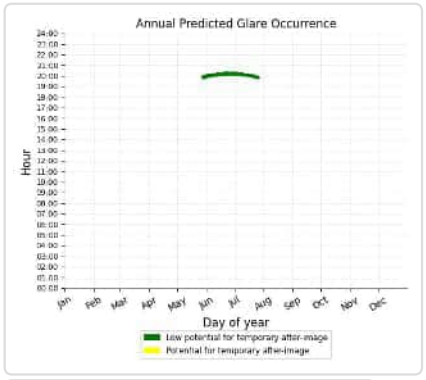


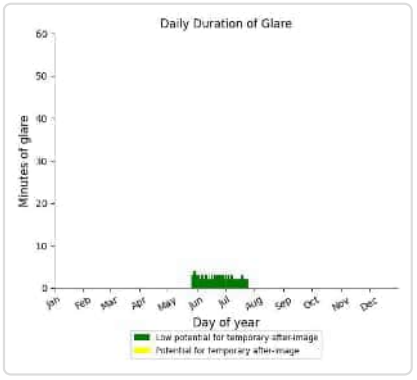


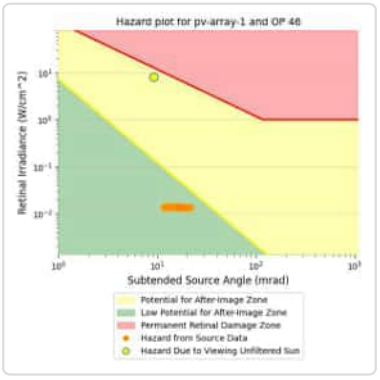
PV array 1: OP 46

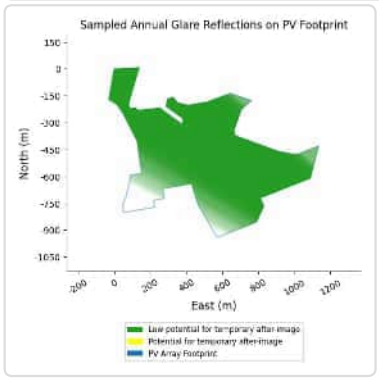
PV array is expected to produce the following glare for this receptor:

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





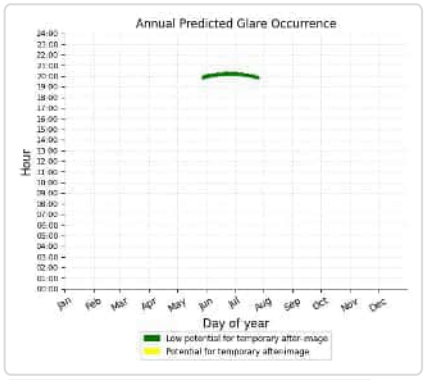


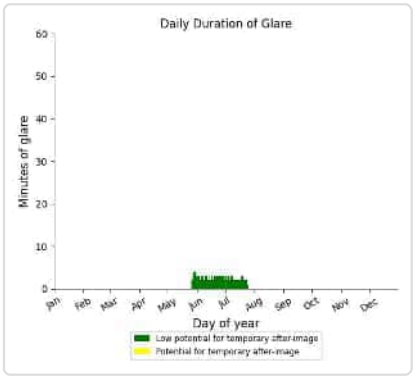


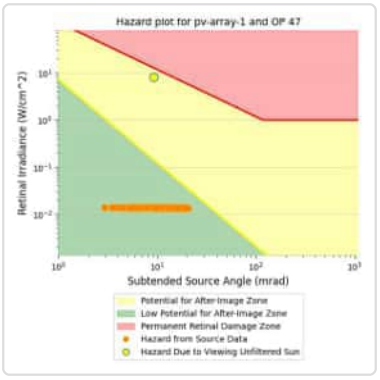
PV array 1: OP 47

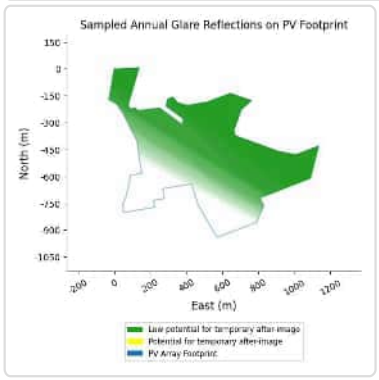
PV array is expected to produce the following glare for this receptor:

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





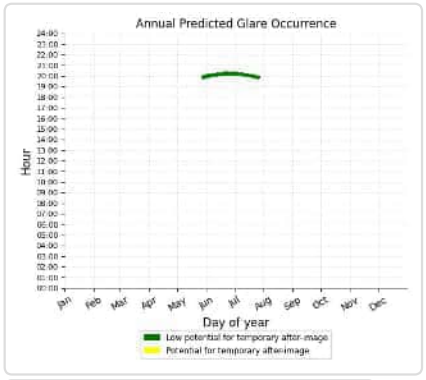


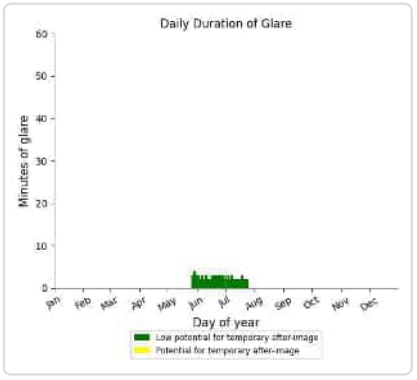


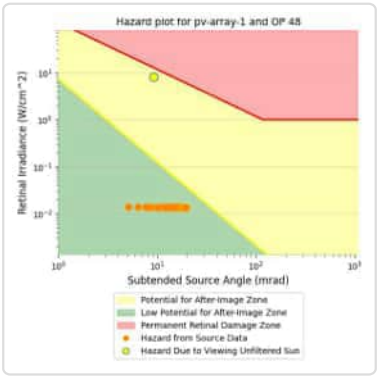
PV array 1: OP 48

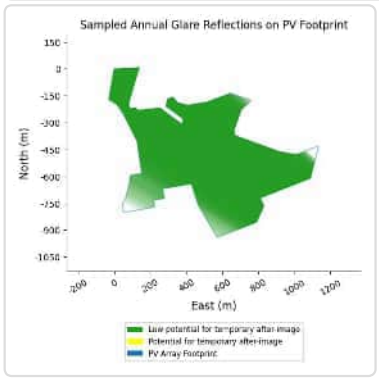
PV array is expected to produce the following glare for this receptor:

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





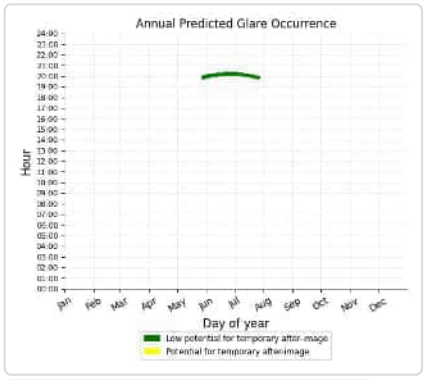


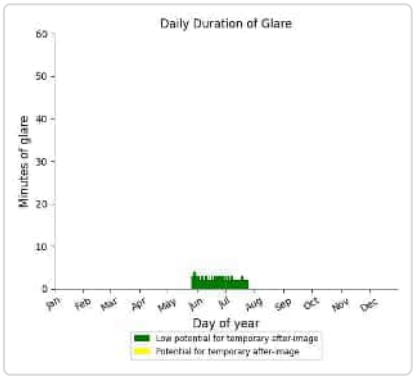


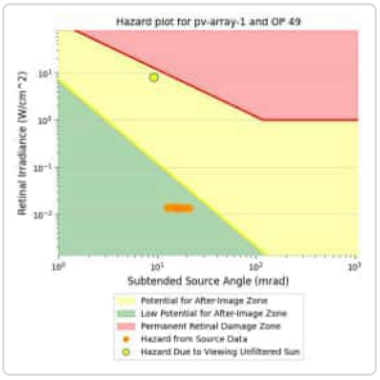
PV array 1: OP 49

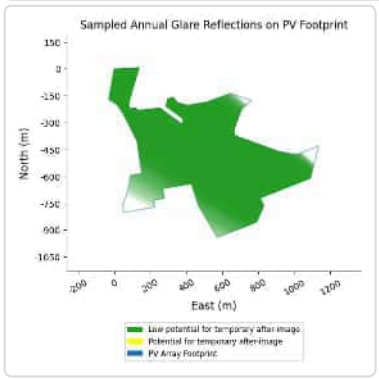
PV array is expected to produce the following glare for this receptor:

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





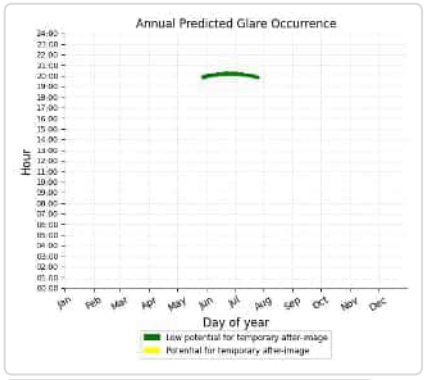


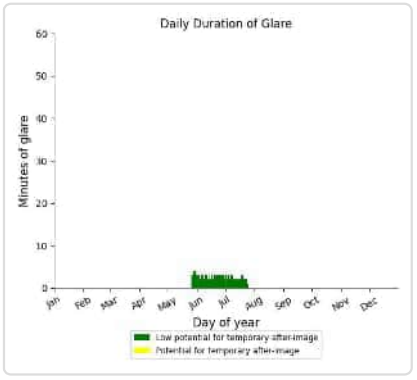


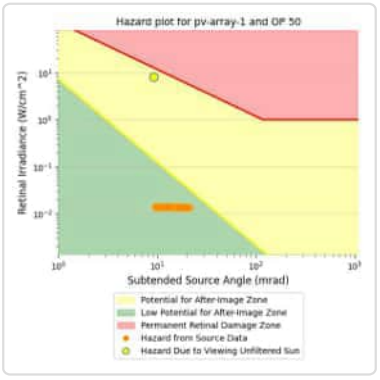
PV array 1: OP 50

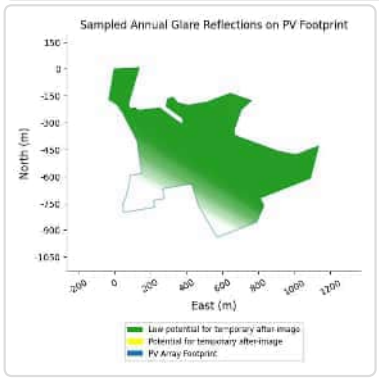
PV array is expected to produce the following glare for this receptor:

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





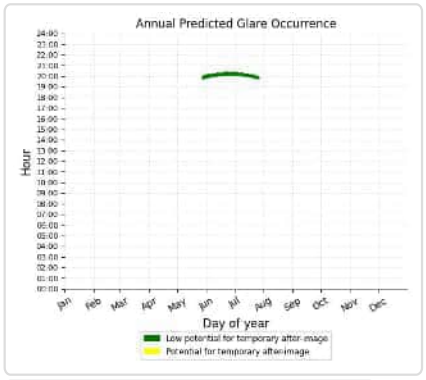


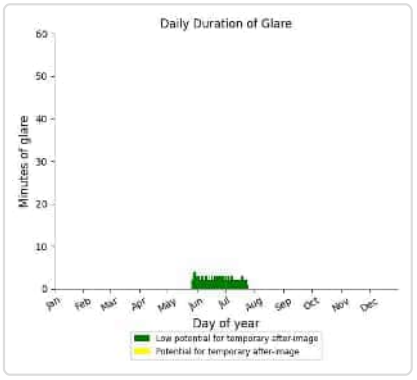


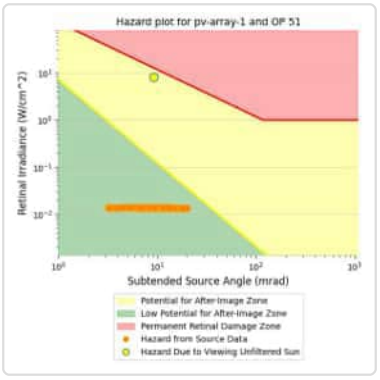
PV array 1: OP 51

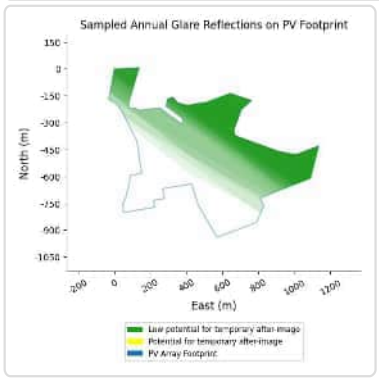
PV array is expected to produce the following glare for this receptor:

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





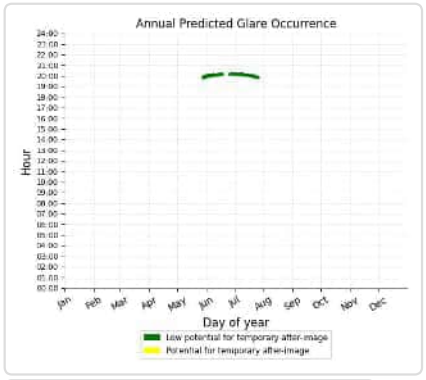


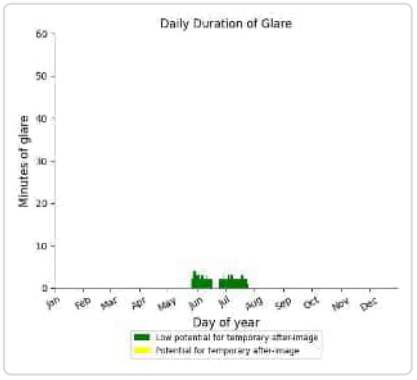


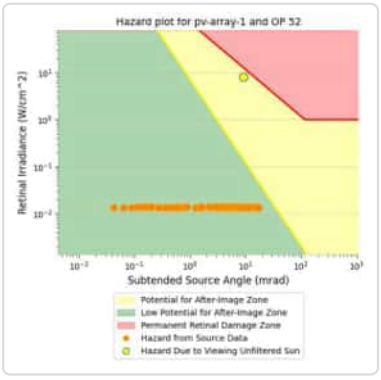
PV array 1: OP 52

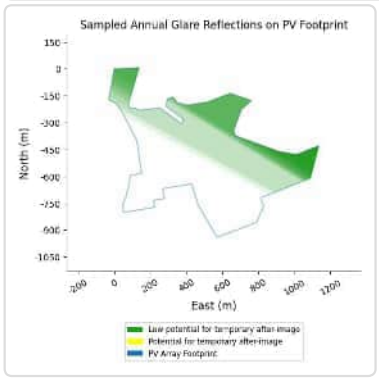
PV array is expected to produce the following glare for this receptor:

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





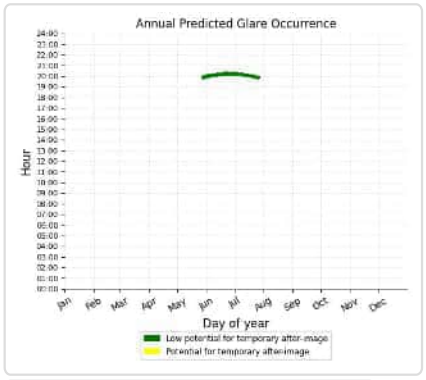


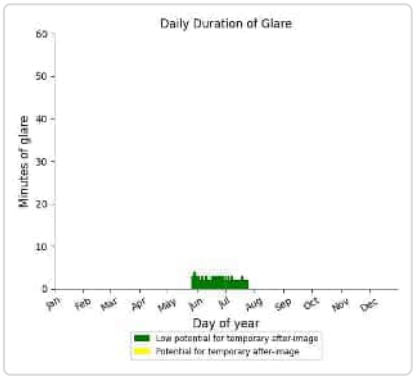


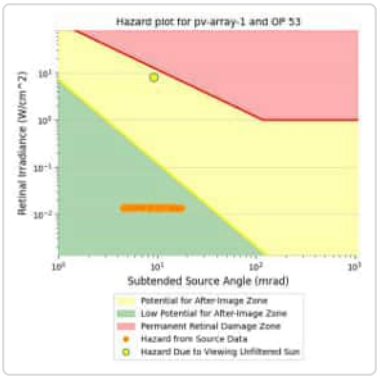
PV array 1: OP 53

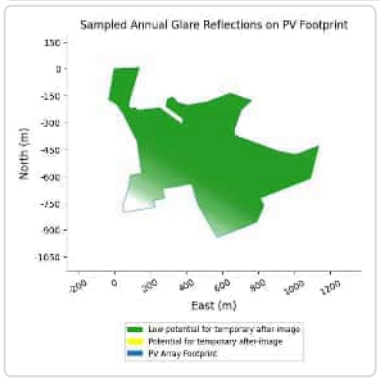
PV array is expected to produce the following glare for this receptor:

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





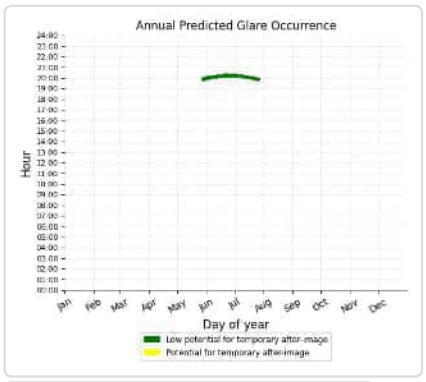


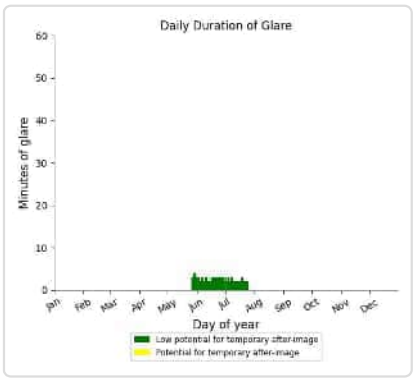


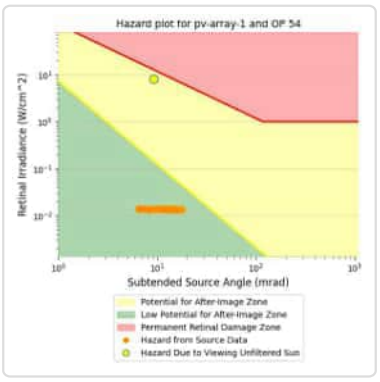
PV array 1: OP 54

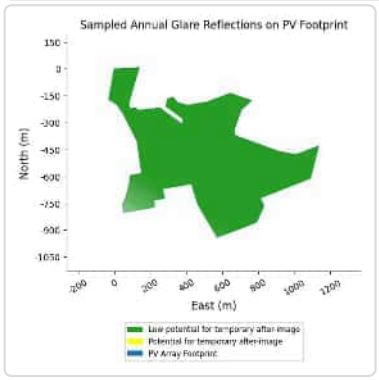
PV array is expected to produce the following glare for this receptor:

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





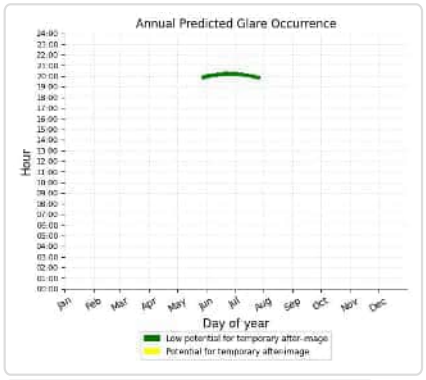


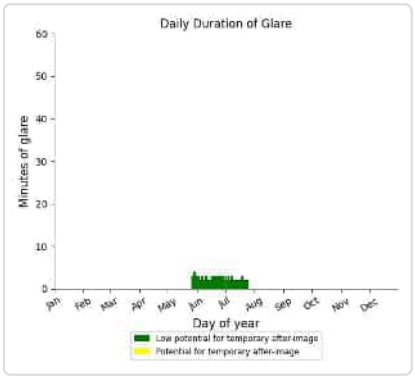


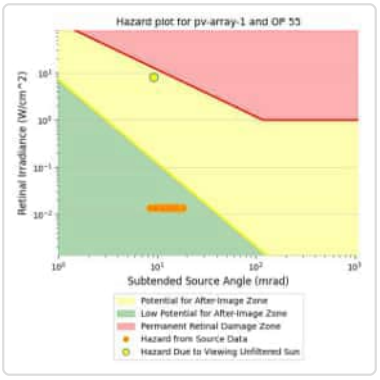
PV array 1: OP 55

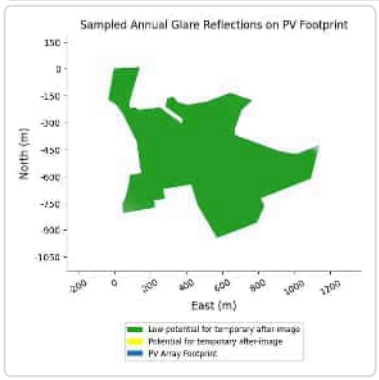
PV array is expected to produce the following glare for this receptor:

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





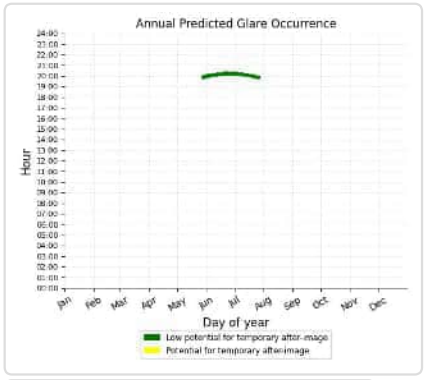


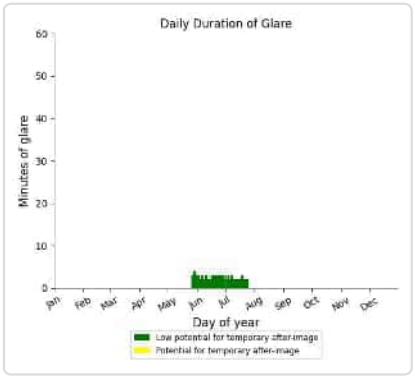


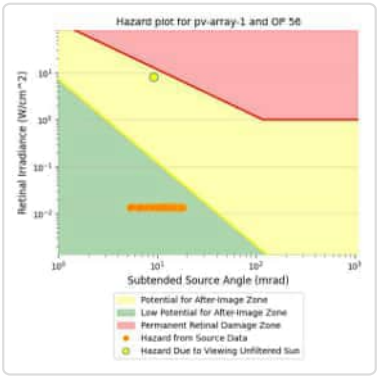
PV array 1: OP 56

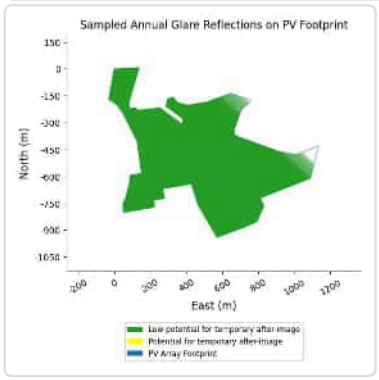
PV array is expected to produce the following glare for this receptor:

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





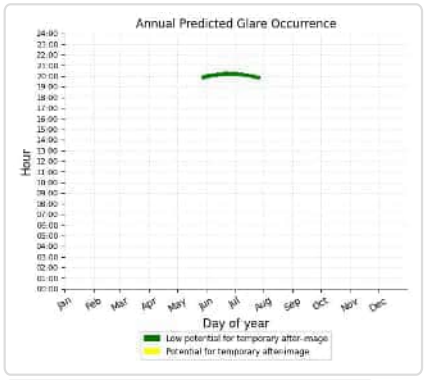


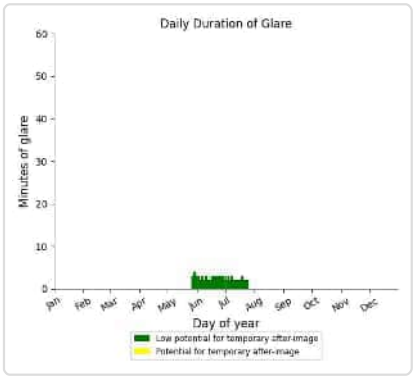


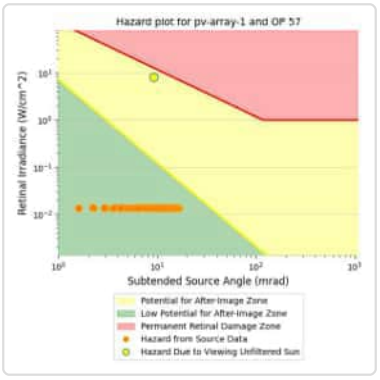
PV array 1: OP 57

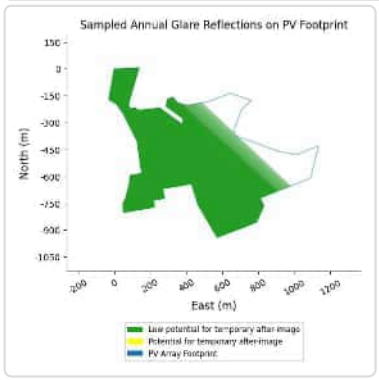
PV array is expected to produce the following glare for this receptor:

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





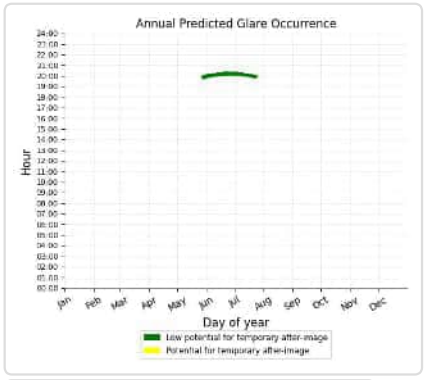


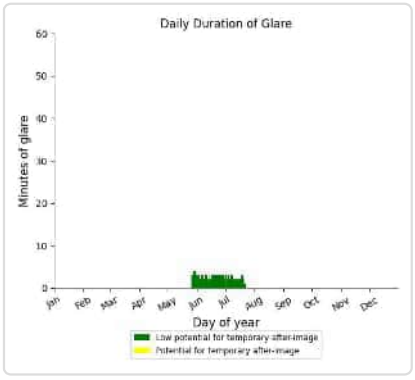


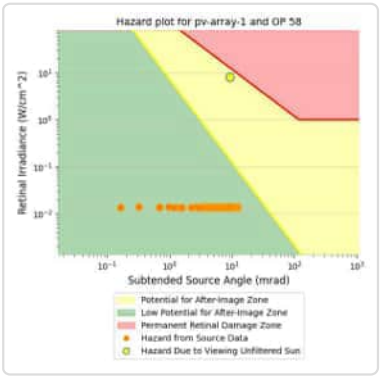
PV array 1: OP 58

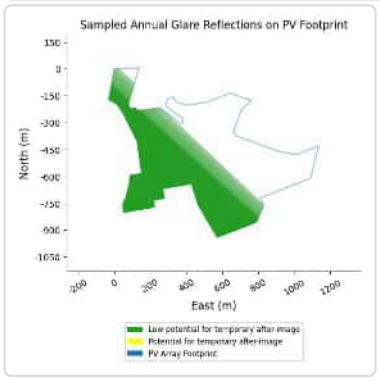
PV array is expected to produce the following glare for this receptor:

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





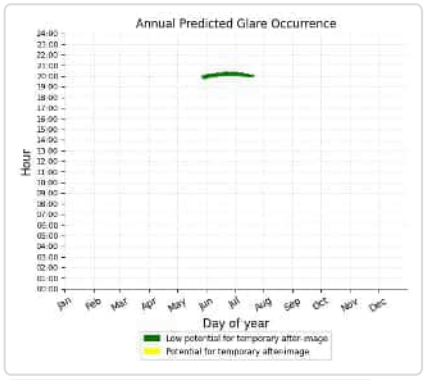


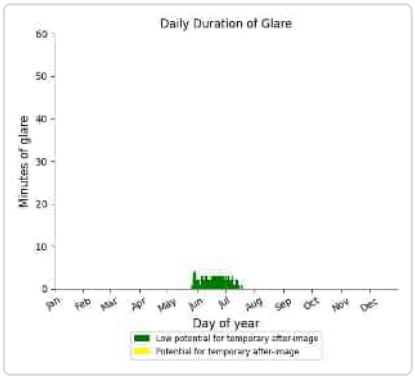


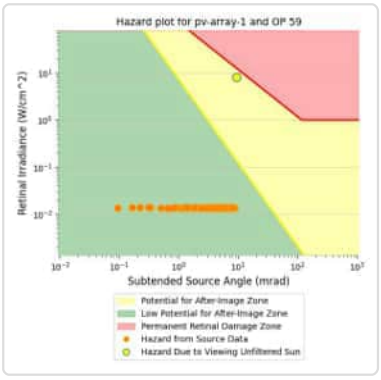
PV array 1: OP 59

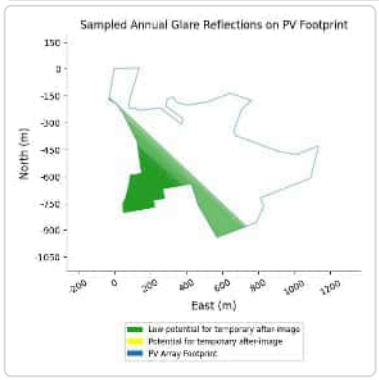
PV array is expected to produce the following glare for this receptor:

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





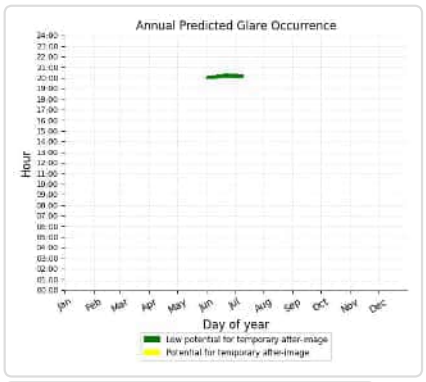


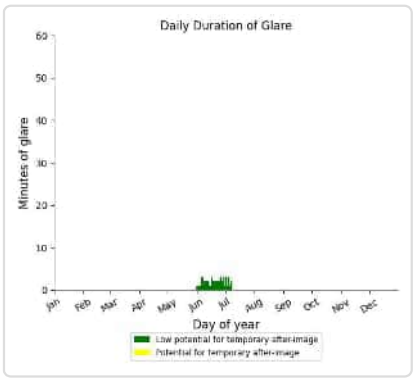


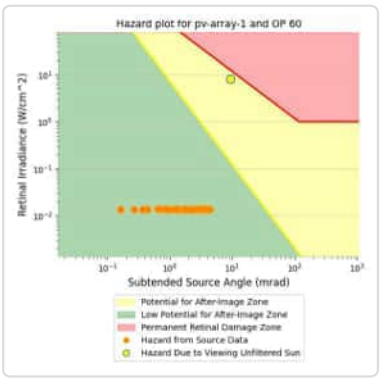
PV array 1: OP 60

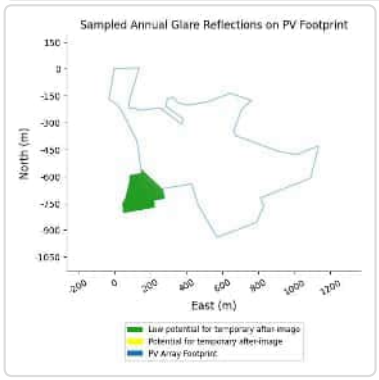
PV array is expected to produce the following glare for this receptor:

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





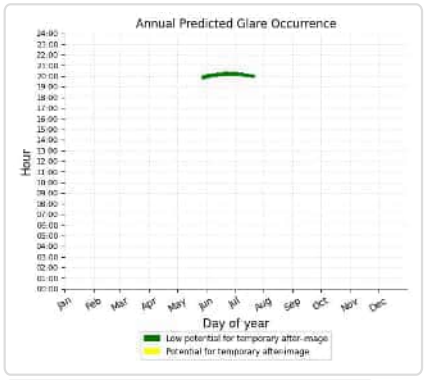


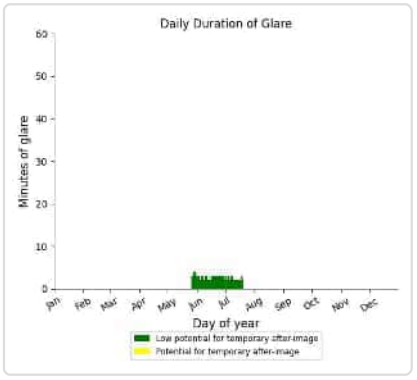


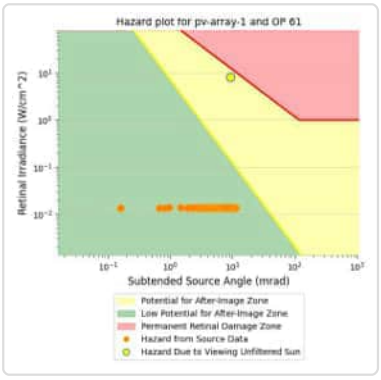
PV array 1: OP 61

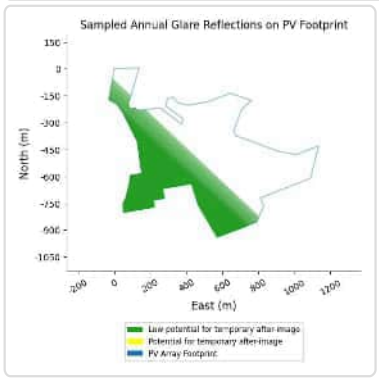
PV array is expected to produce the following glare for this receptor:

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





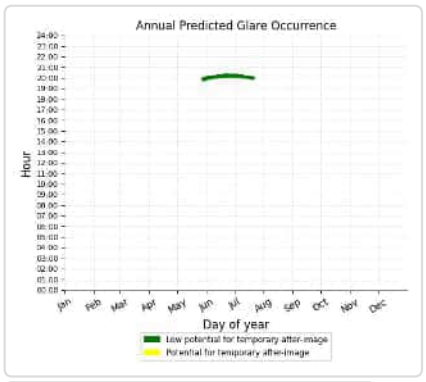


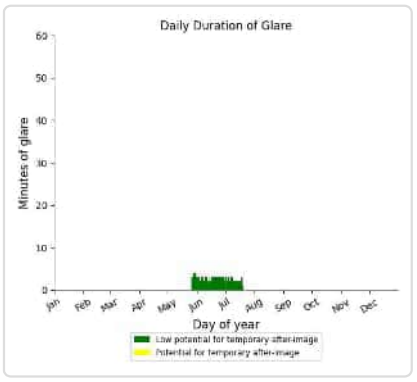


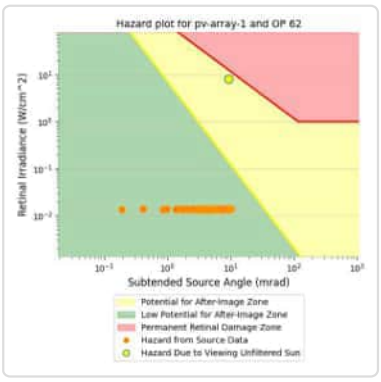
PV array 1: OP 62

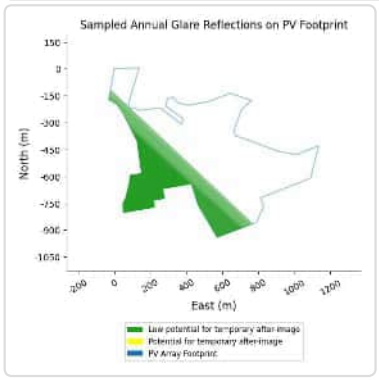
PV array is expected to produce the following glare for this receptor:

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









PV array 1: OP 63

No glare found

PV array 1: OP 64

No glare found

PV array 1: OP 65

No glare found

PV array 1: OP 66

No glare found

PV array 1: OP 67

No glare found

PV array 1: OP 68

No glare found

PV array 1: OP 69

No glare found

PV array 1: OP 70

No glare found

PV array 1: OP 71

No glare found

PV array 1: OP 72
No glare found

PV array 1: OP 73
No glare found

PV array 1: OP 74
No glare found

PV array 1: OP 75
No glare found

PV array 1: OP 76
No glare found

PV array 1: OP 77
No glare found

PV array 1: OP 78
No glare found

PV array 1: OP 79
No glare found

PV array 10 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	490	0
OP: OP 2	449	0
OP: OP 3	400	0
OP: OP 4	352	0
OP: OP 5	333	0
OP: OP 6	243	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	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	96	0
OP: OP 23	92	0

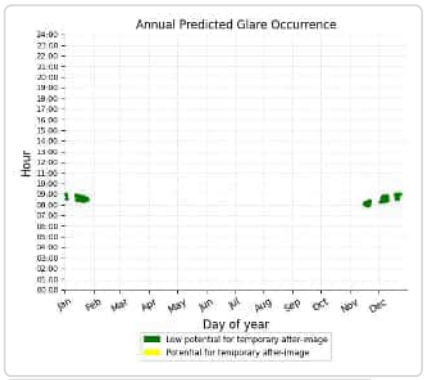
OP: OP 24	98	0
OP: OP 25	127	0
OP: OP 26	229	0
OP: OP 27	415	0
OP: OP 28	536	0
OP: OP 29	599	0
OP: OP 30	652	0
OP: OP 31	555	0
OP: OP 32	452	0
OP: OP 33	273	0
OP: OP 34	268	0
OP: OP 35	398	0
OP: OP 36	324	0
OP: OP 37	379	0
OP: OP 38	536	0
OP: OP 39	532	0
OP: OP 40	384	0
OP: OP 41	121	0
OP: OP 42	134	0
OP: OP 43	168	0
OP: OP 44	182	0
OP: OP 45	531	11
OP: OP 46	40	0
OP: OP 47	0	0
OP: OP 48	3658	3226
OP: OP 49	103	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	54	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0

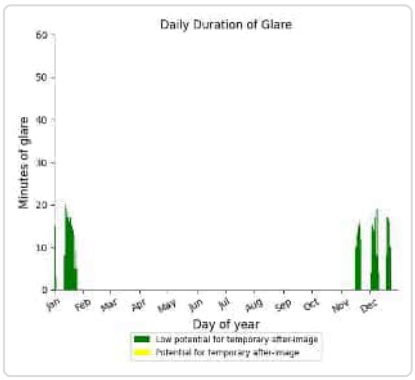
OP: OP 78	0	0
OP: OP 79	0	0

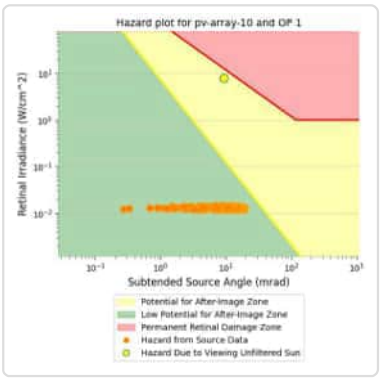
PV array 10: OP 1

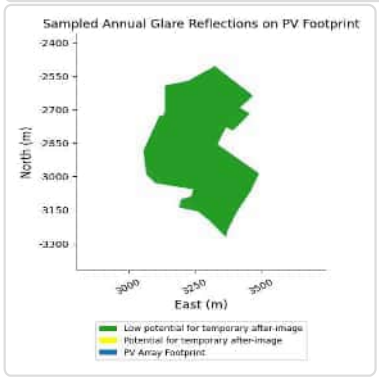
PV array is expected to produce the following glare for this receptor:

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





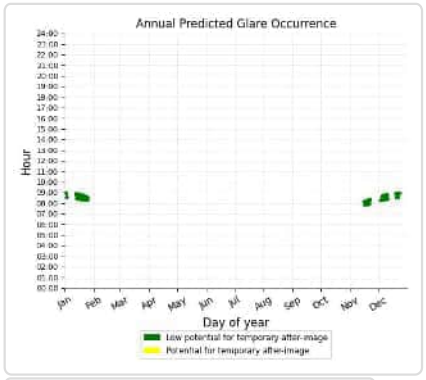


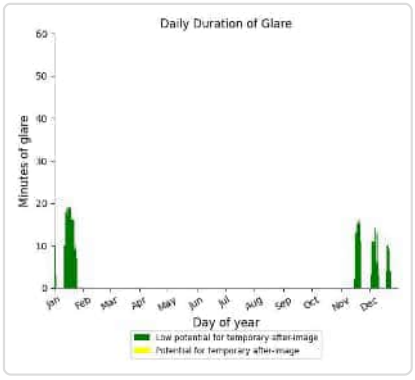


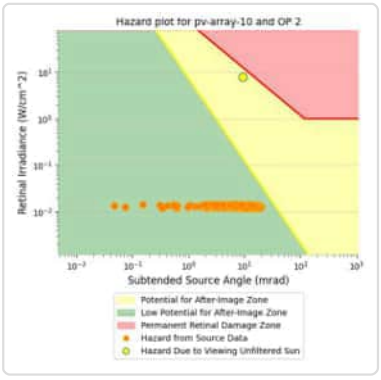
PV array 10: OP 2

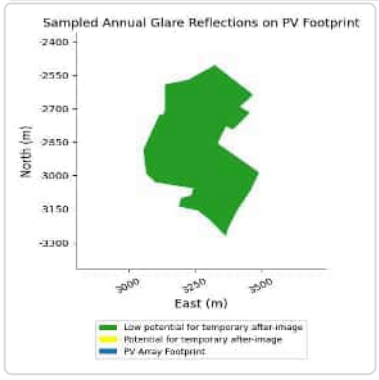
PV array is expected to produce the following glare for this receptor:

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





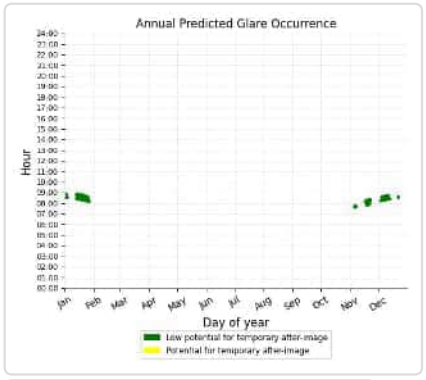


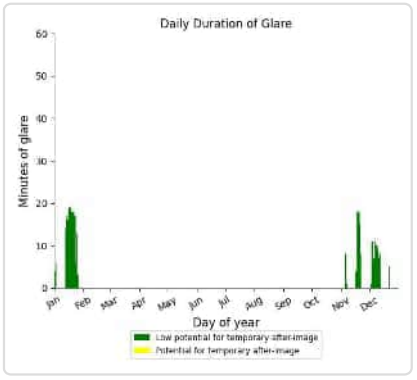


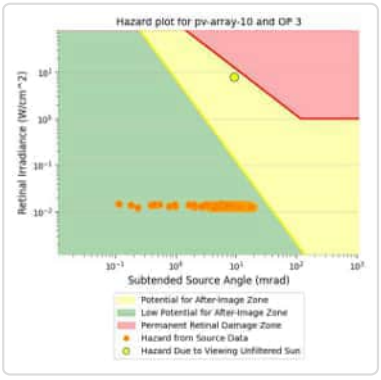
PV array 10: OP 3

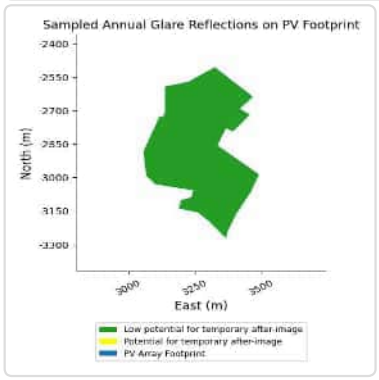
PV array is expected to produce the following glare for this receptor:

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





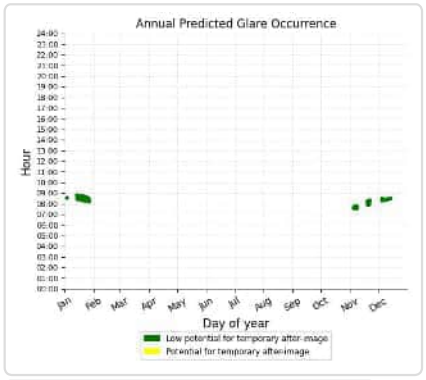


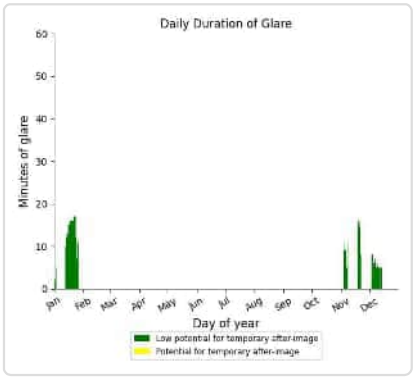


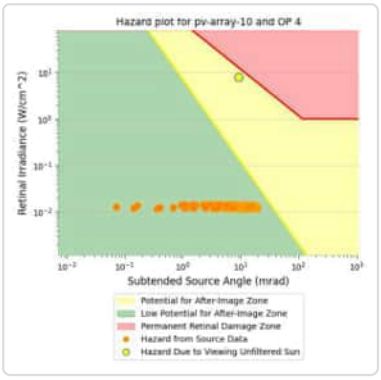
PV array 10: OP 4

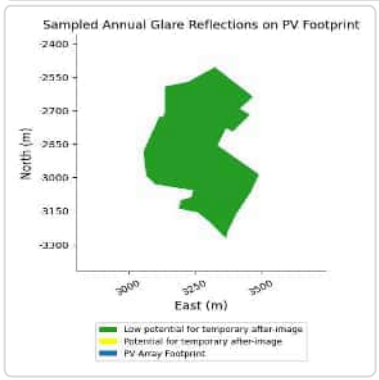
PV array is expected to produce the following glare for this receptor:

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





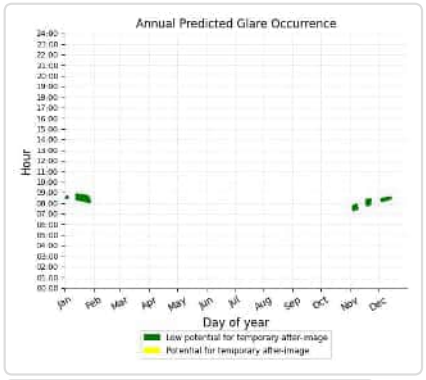


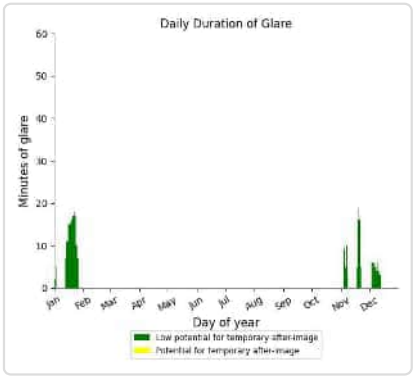


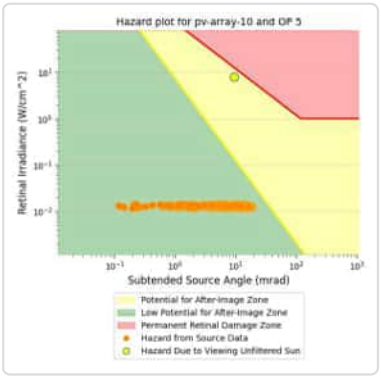
PV array 10: OP 5

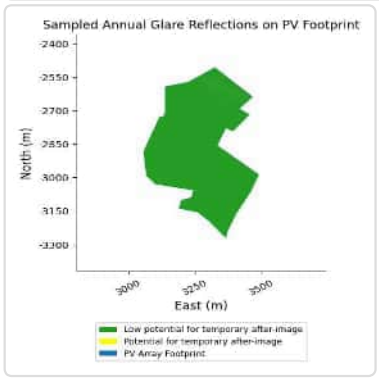
PV array is expected to produce the following glare for this receptor:

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





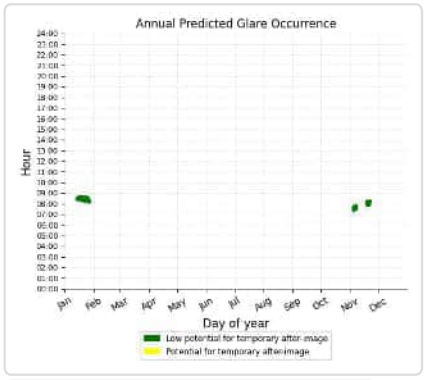


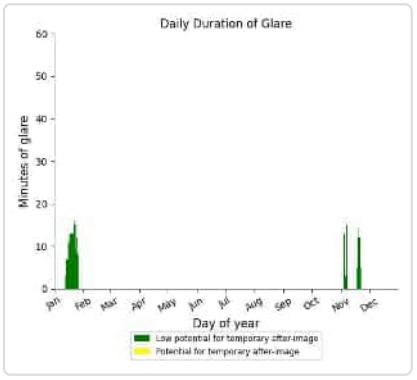


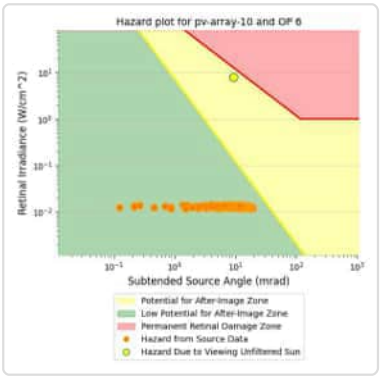
PV array 10: OP 6

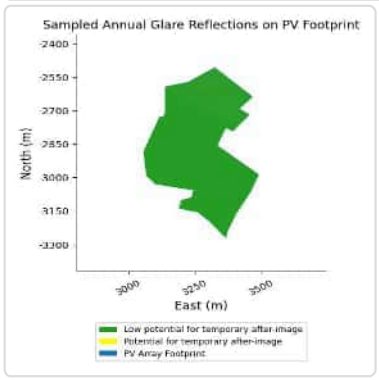
PV array is expected to produce the following glare for this receptor:

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









PV array 10: OP 7

No glare found

PV array 10: OP 8
No glare found

PV array 10: OP 9
No glare found

PV array 10: OP 10
No glare found

PV array 10: OP 11
No glare found

PV array 10: OP 12
No glare found

PV array 10: OP 13
No glare found

PV array 10: OP 14
No glare found

PV array 10: OP 15
No glare found

PV array 10: OP 16
No glare found

PV array 10: OP 17
No glare found

PV array 10: OP 18
No glare found

PV array 10: OP 19
No glare found

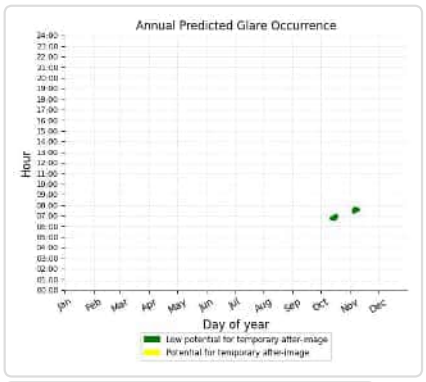
PV array 10: OP 20
No glare found

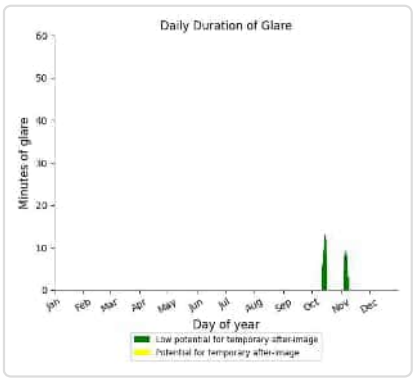
PV array 10: OP 21
No glare found

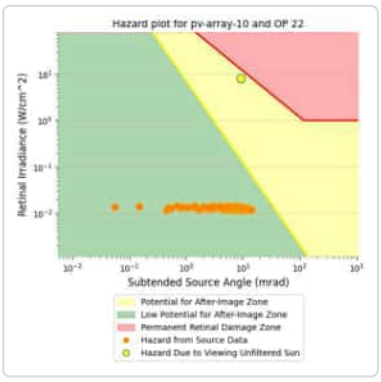
PV array 10: OP 22

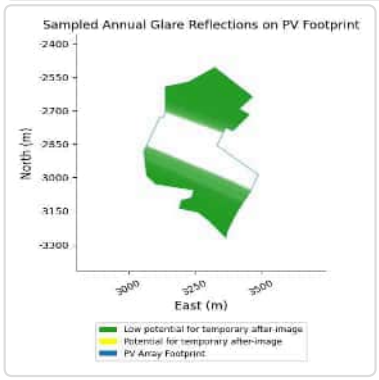
PV array is expected to produce the following glare for this receptor:

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





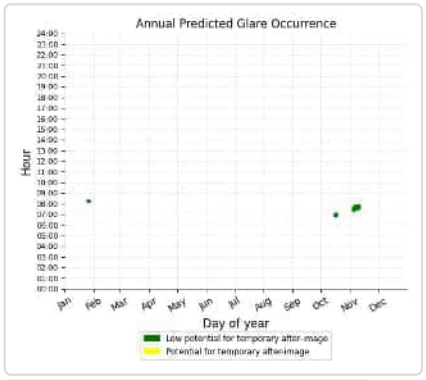


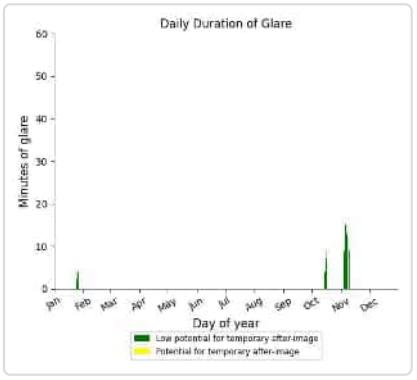


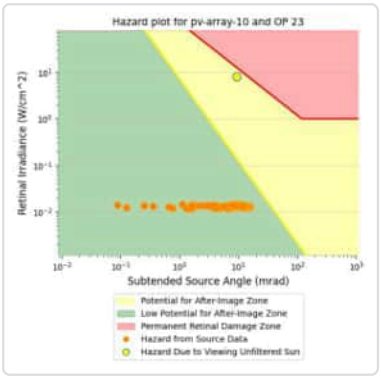
PV array 10: OP 23

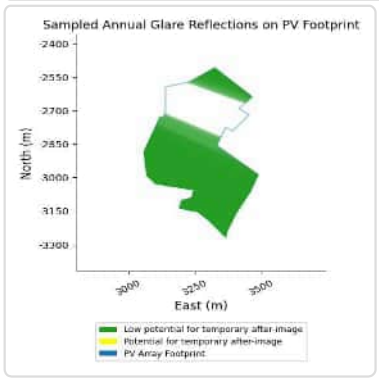
PV array is expected to produce the following glare for this receptor:

- 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.





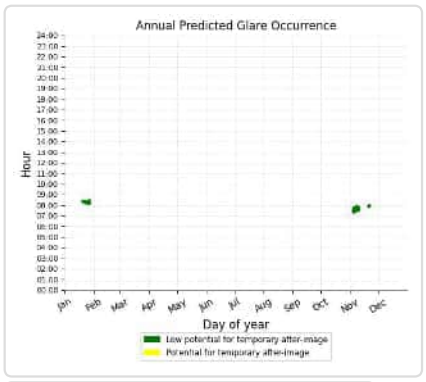


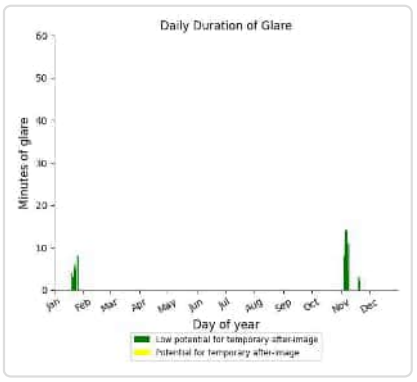


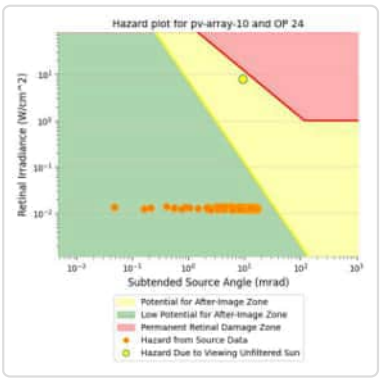
PV array 10: OP 24

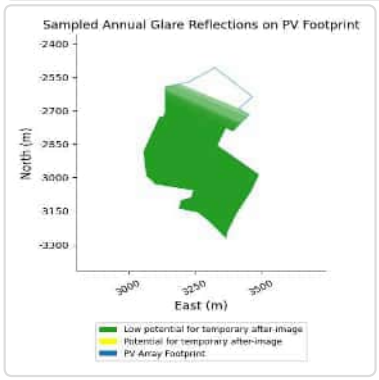
PV array is expected to produce the following glare for this receptor:

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





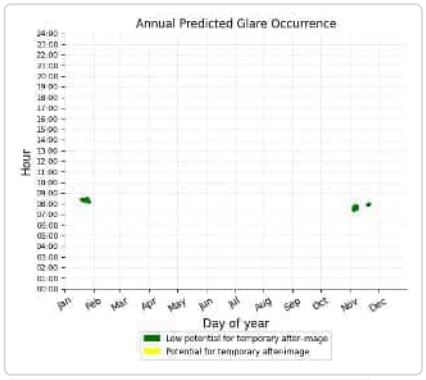


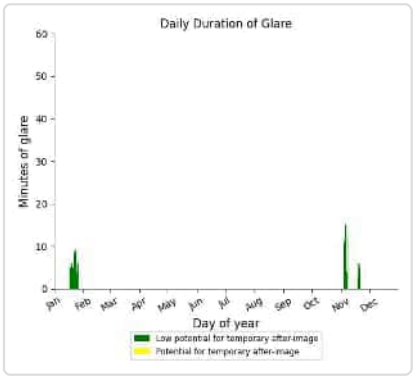


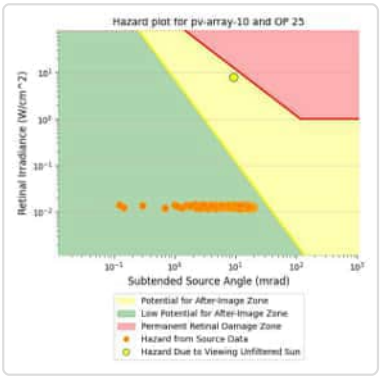
PV array 10: OP 25

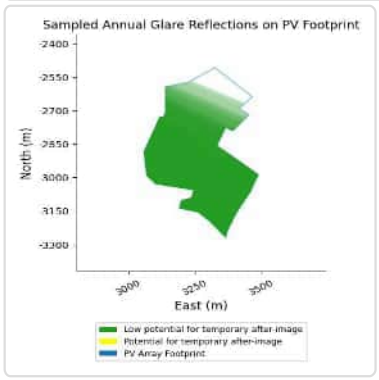
PV array is expected to produce the following glare for this receptor:

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





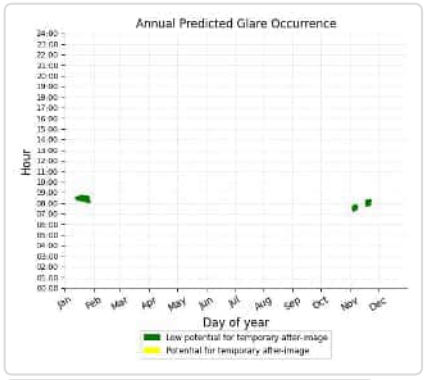


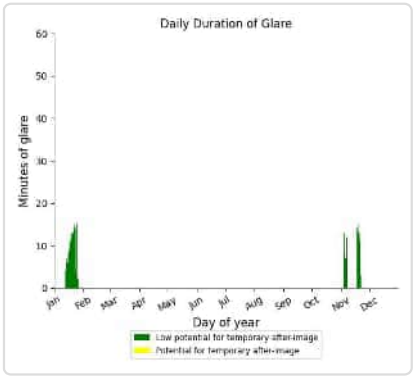


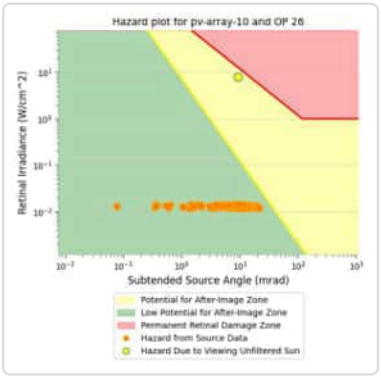
PV array 10: OP 26

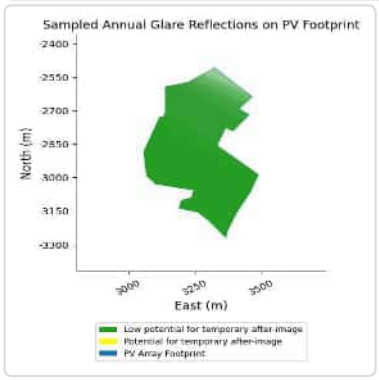
PV array is expected to produce the following glare for this receptor:

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





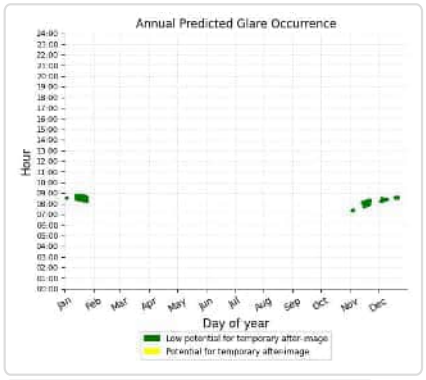


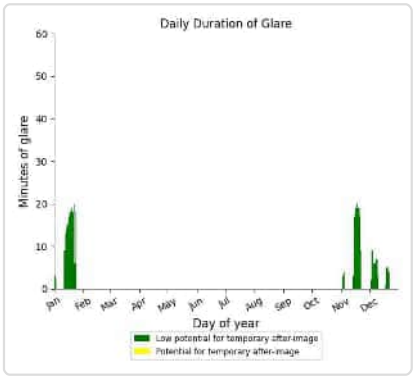


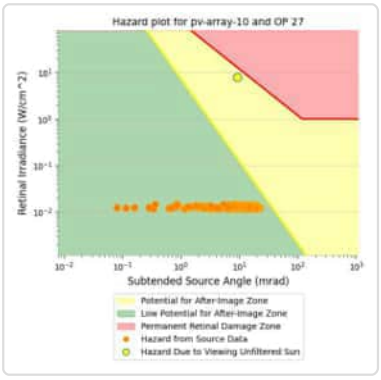
PV array 10: OP 27

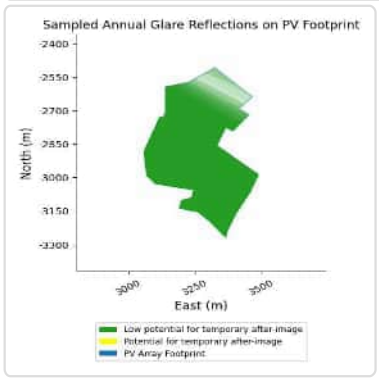
PV array is expected to produce the following glare for this receptor:

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





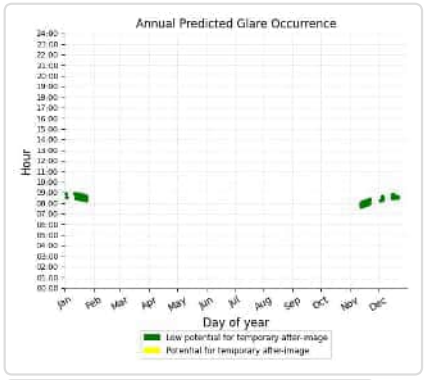


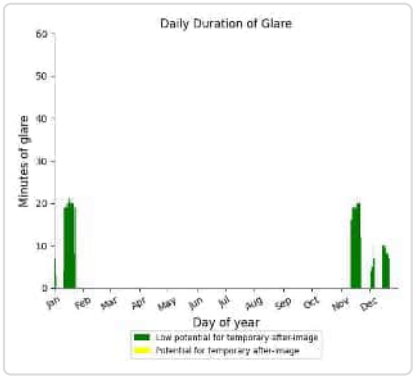


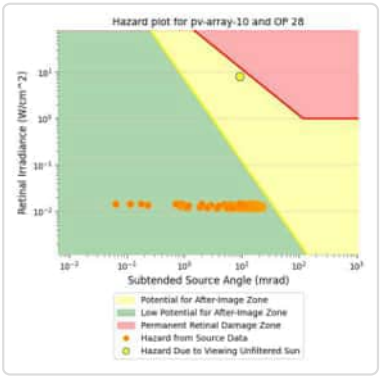
PV array 10: OP 28

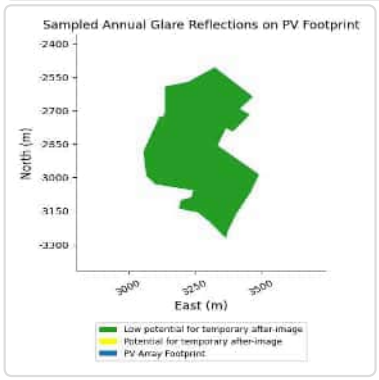
PV array is expected to produce the following glare for this receptor:

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





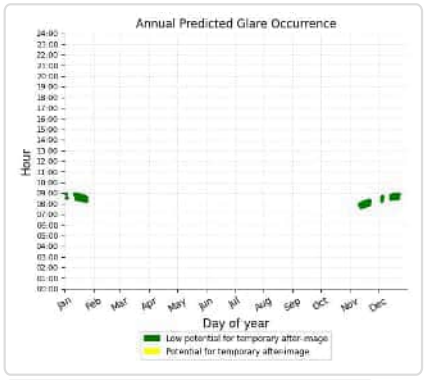


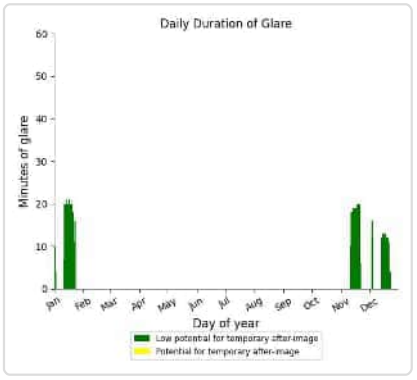


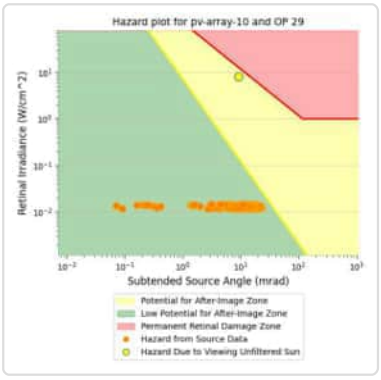
PV array 10: OP 29

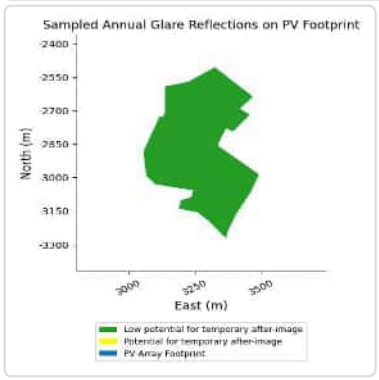
PV array is expected to produce the following glare for this receptor:

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





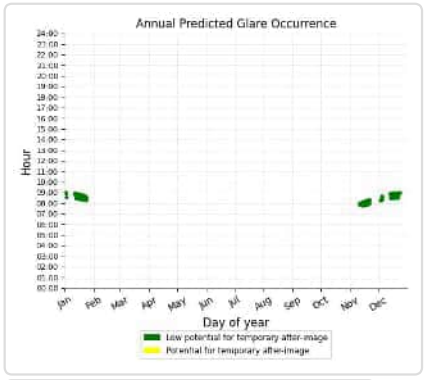


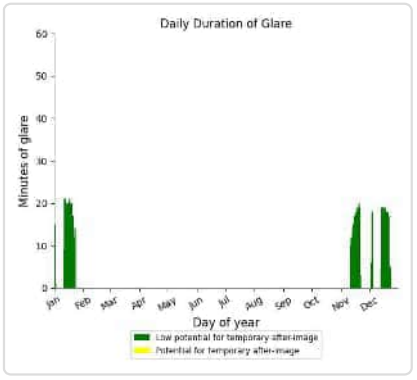


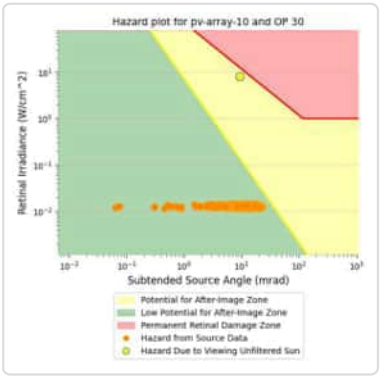
PV array 10: OP 30

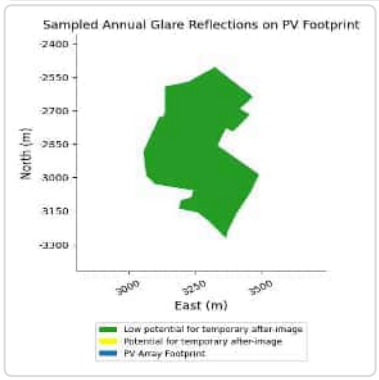
PV array is expected to produce the following glare for this receptor:

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





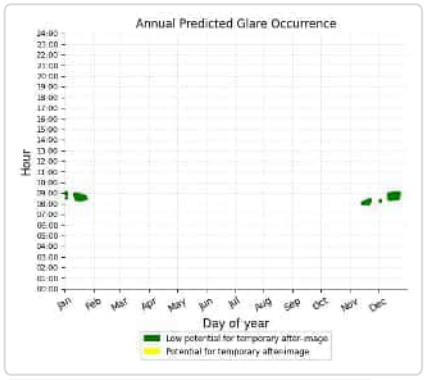


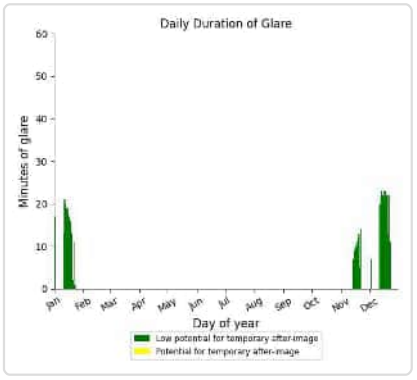


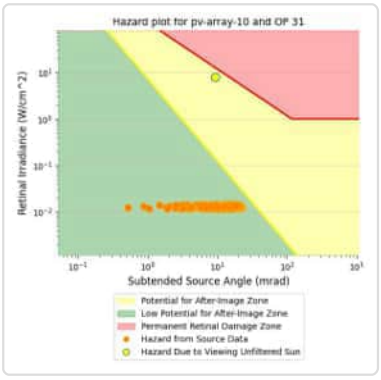
PV array 10: OP 31

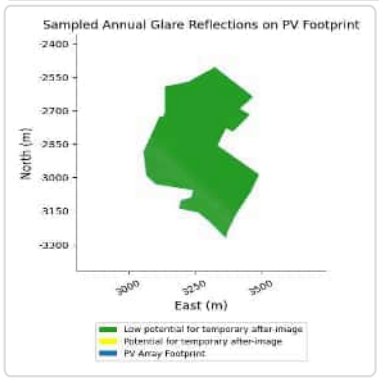
PV array is expected to produce the following glare for this receptor:

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





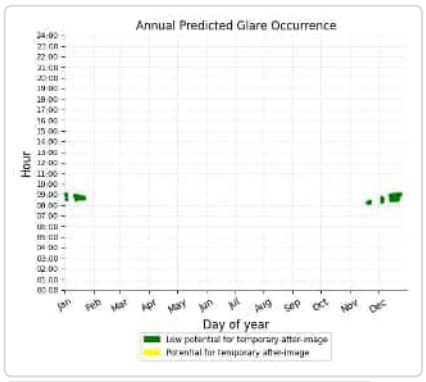


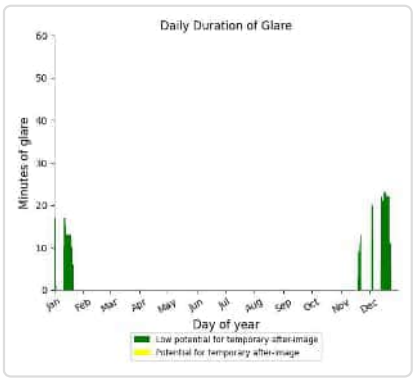


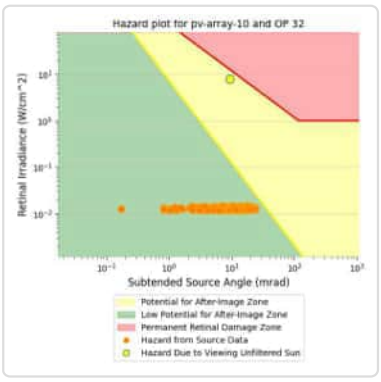
PV array 10: OP 32

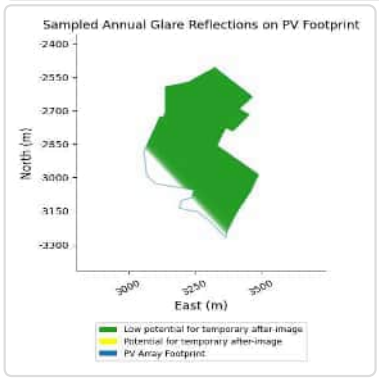
PV array is expected to produce the following glare for this receptor:

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





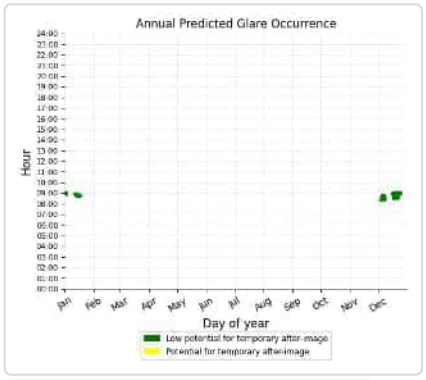


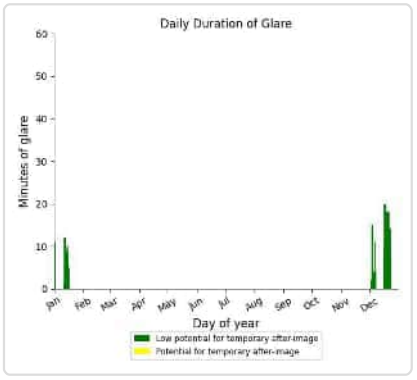


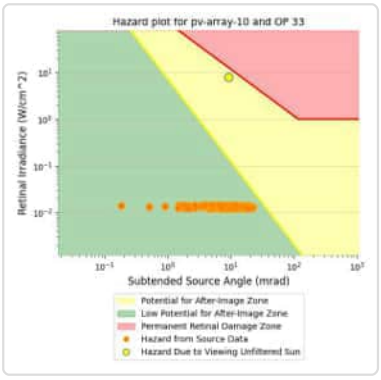
PV array 10: OP 33

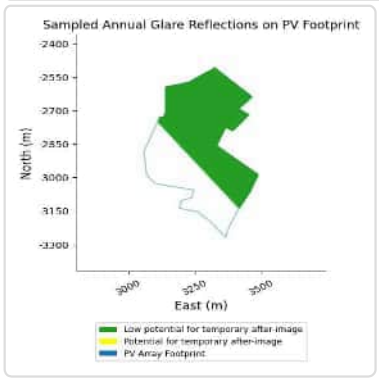
PV array is expected to produce the following glare for this receptor:

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





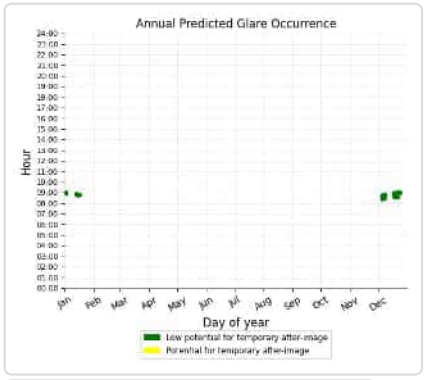


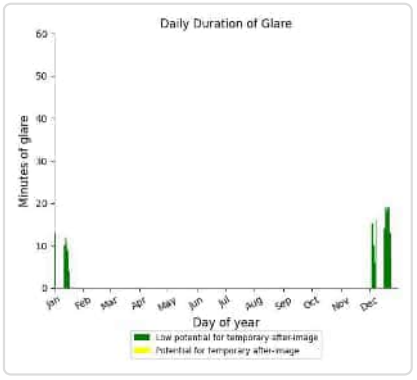


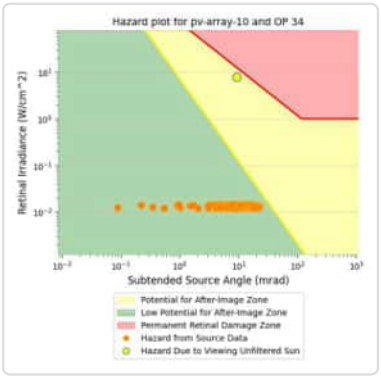
PV array 10: OP 34

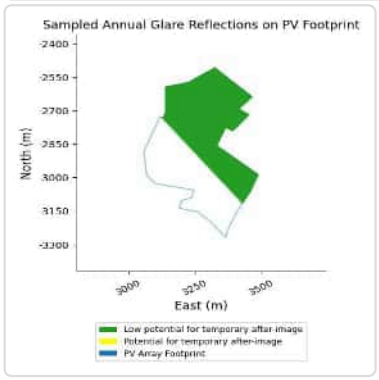
PV array is expected to produce the following glare for this receptor:

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





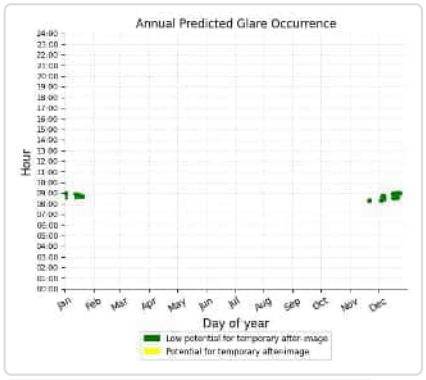


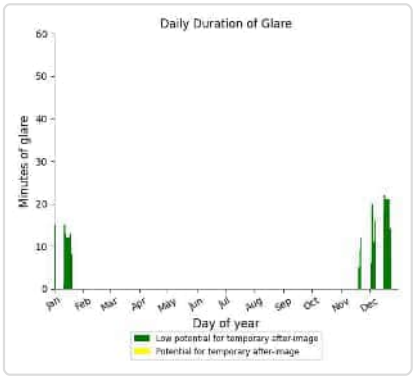


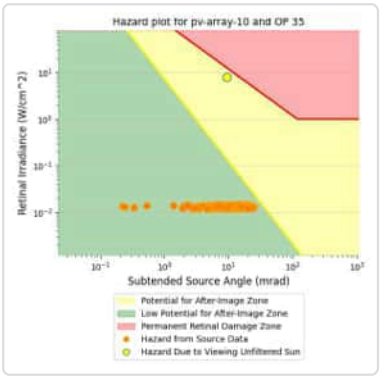
PV array 10: OP 35

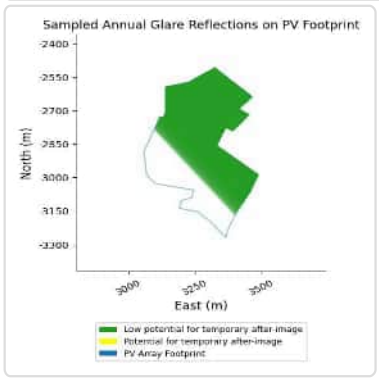
PV array is expected to produce the following glare for this receptor:

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





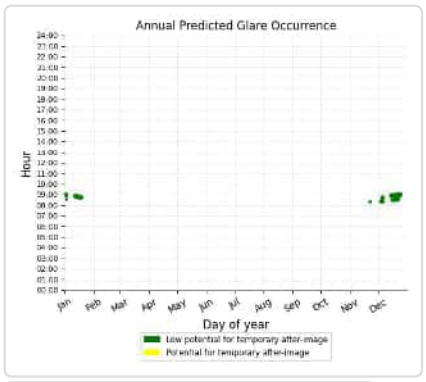


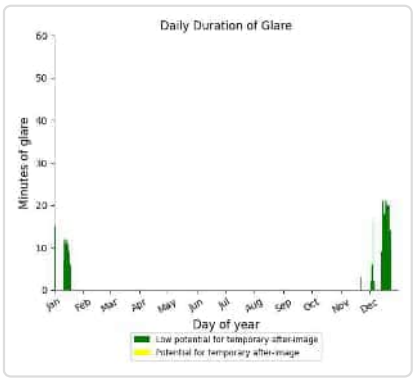


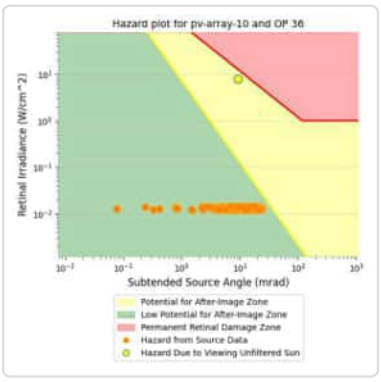
PV array 10: OP 36

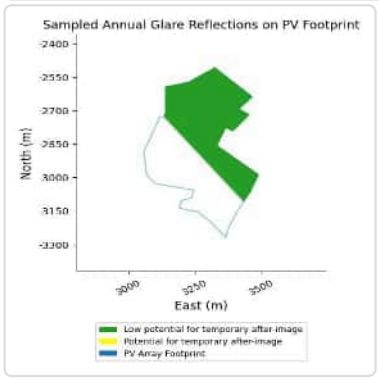
PV array is expected to produce the following glare for this receptor:

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





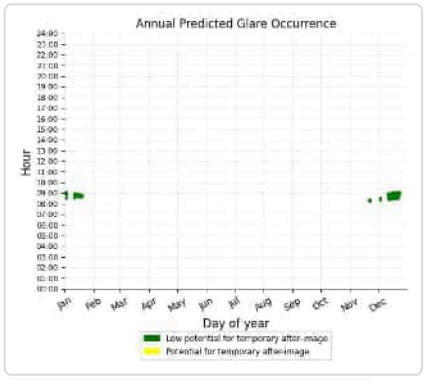


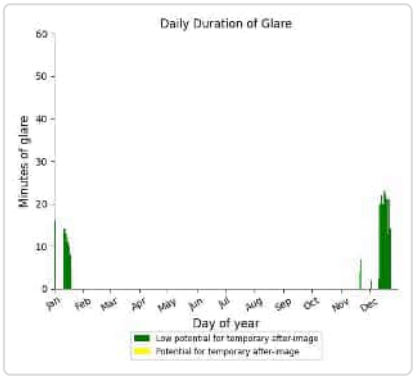


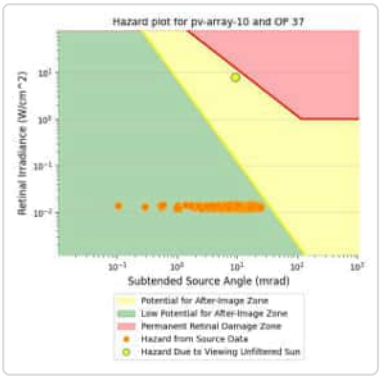
PV array 10: OP 37

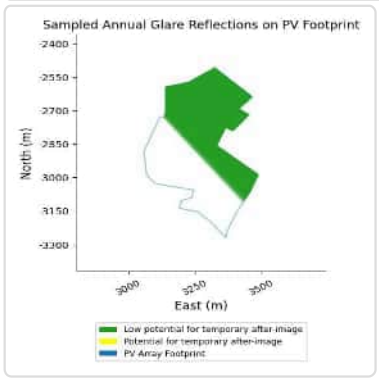
PV array is expected to produce the following glare for this receptor:

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





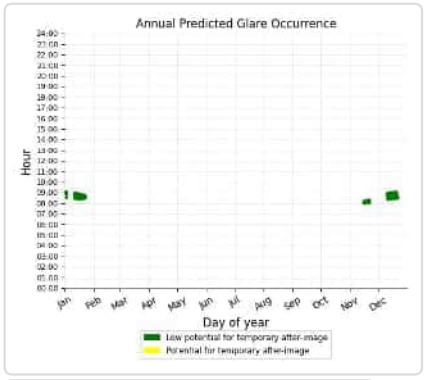


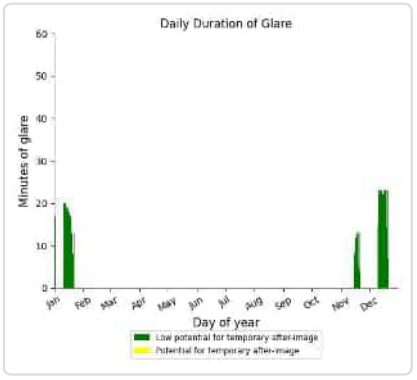


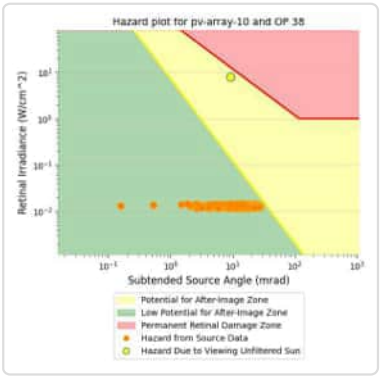
PV array 10: OP 38

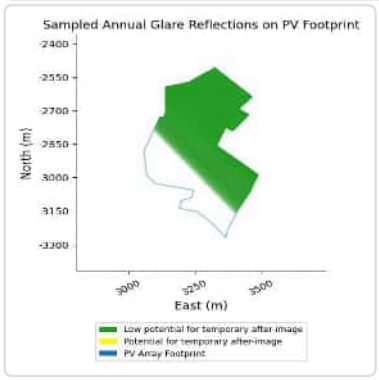
PV array is expected to produce the following glare for this receptor:

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





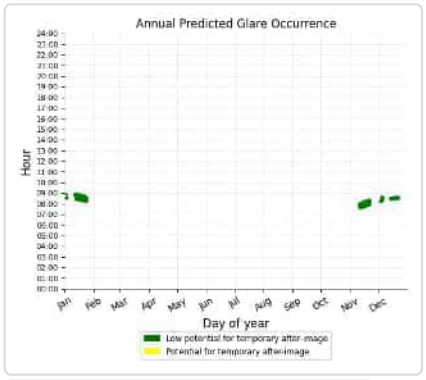


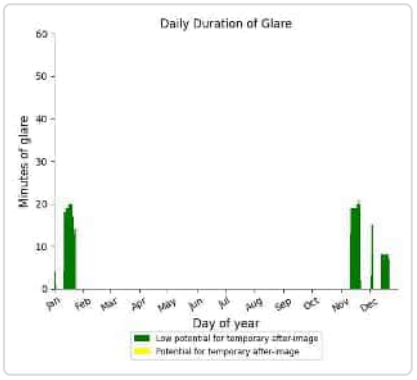


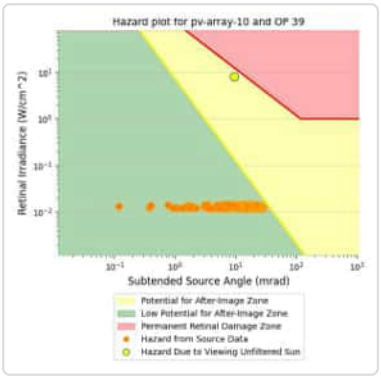
PV array 10: OP 39

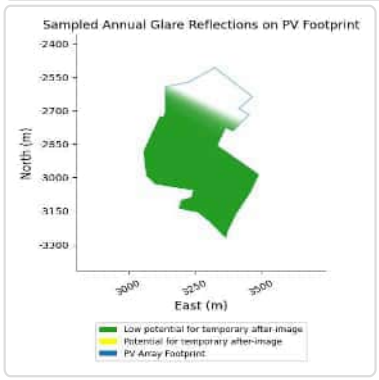
PV array is expected to produce the following glare for this receptor:

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





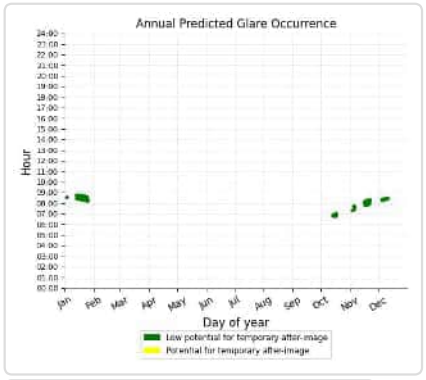


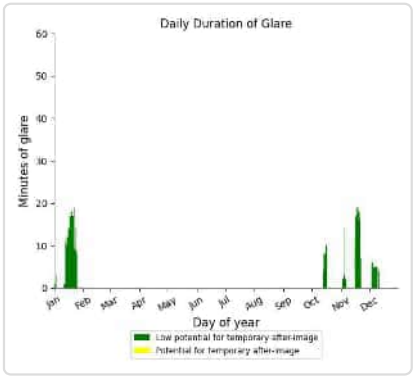


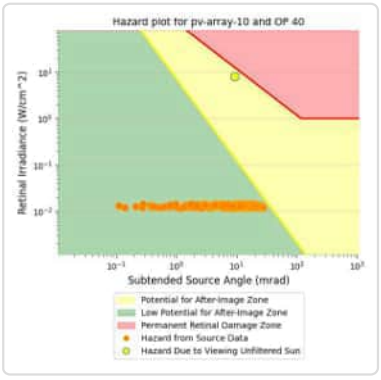
PV array 10: OP 40

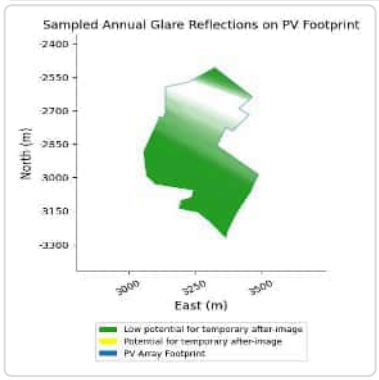
PV array is expected to produce the following glare for this receptor:

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





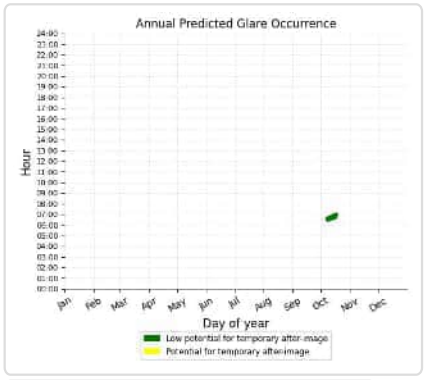


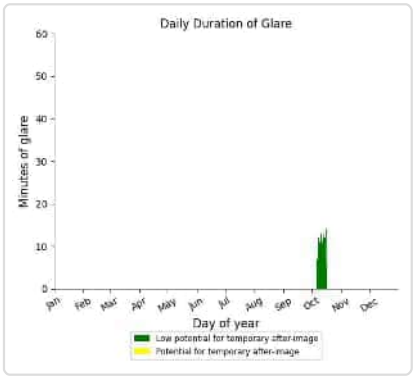


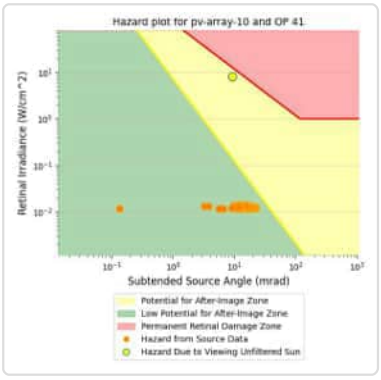
PV array 10: OP 41

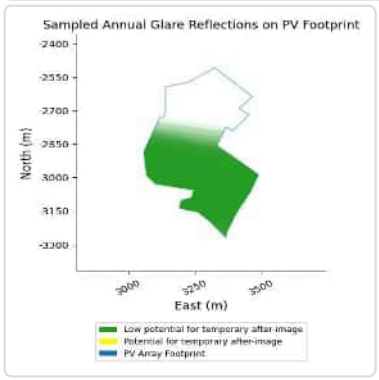
PV array is expected to produce the following glare for this receptor:

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





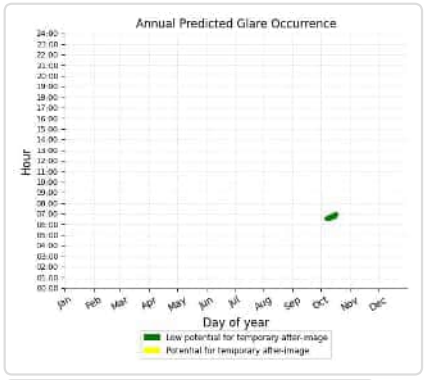


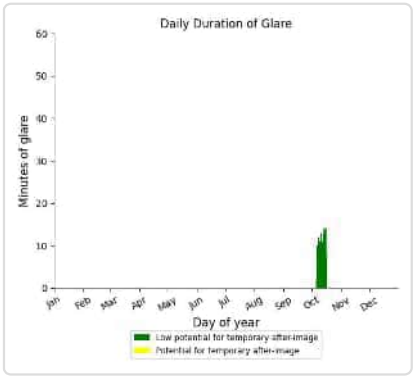


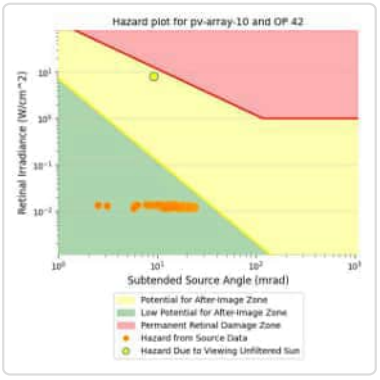
PV array 10: OP 42

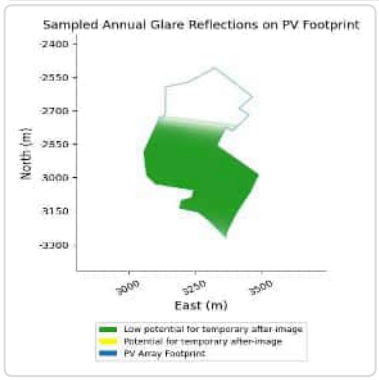
PV array is expected to produce the following glare for this receptor:

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





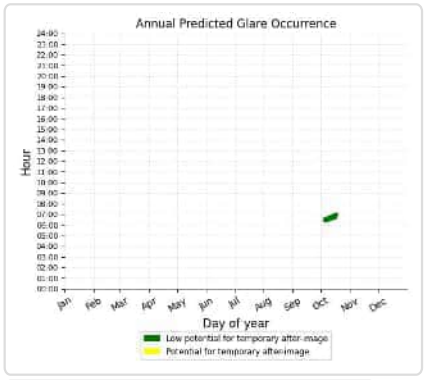


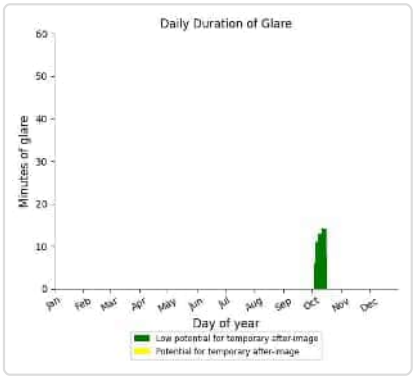


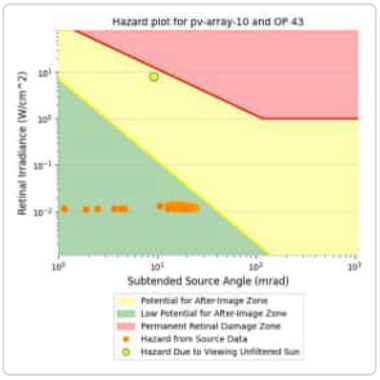
PV array 10: OP 43

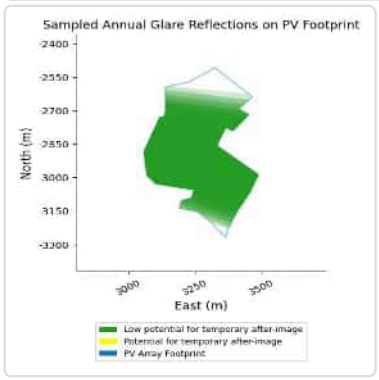
PV array is expected to produce the following glare for this receptor:

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





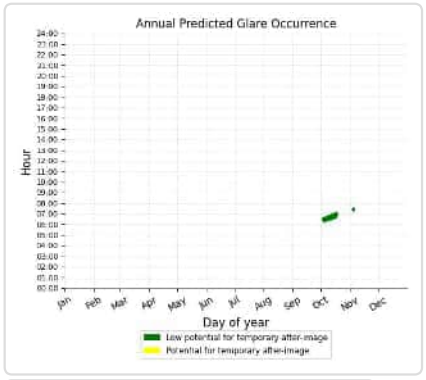


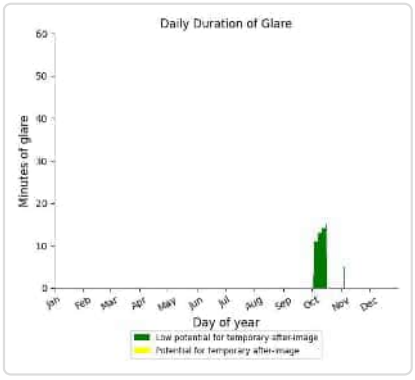


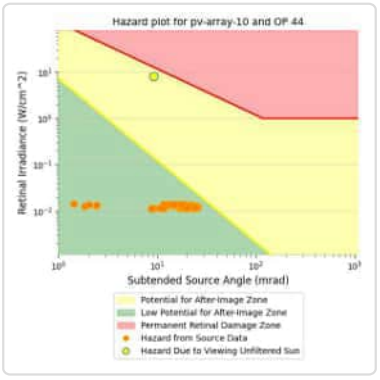
PV array 10: OP 44

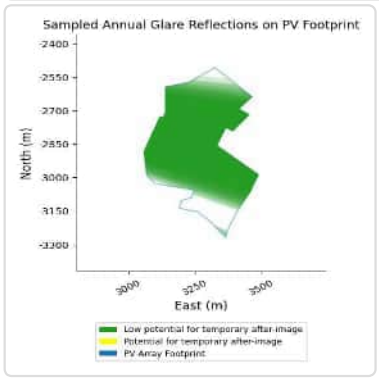
PV array is expected to produce the following glare for this receptor:

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





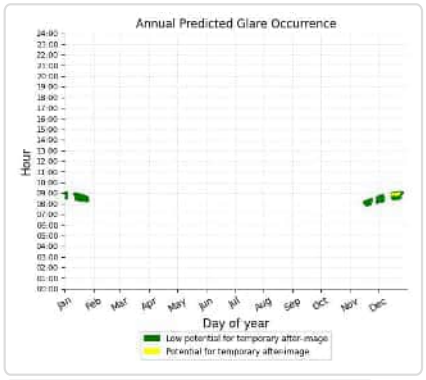


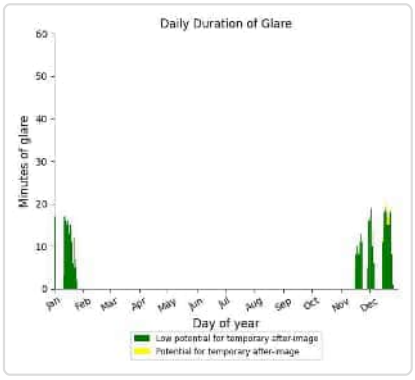


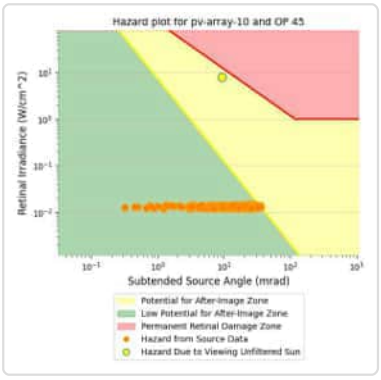
PV array 10: OP 45

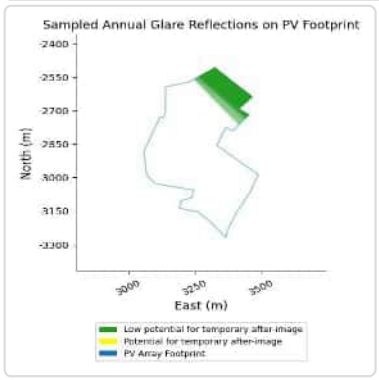
PV array is expected to produce the following glare for this receptor:

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





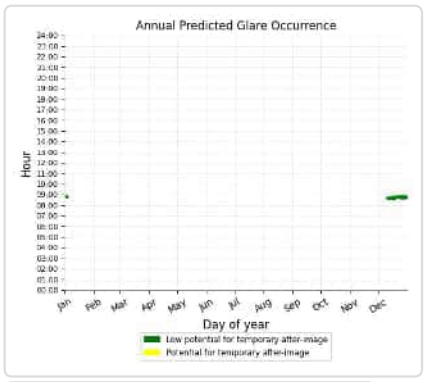


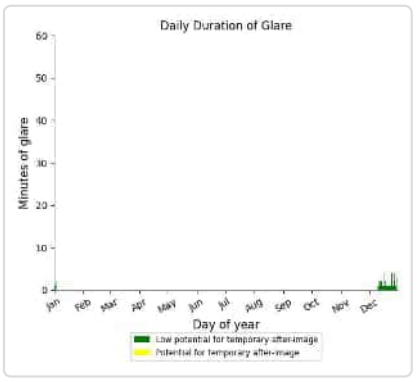


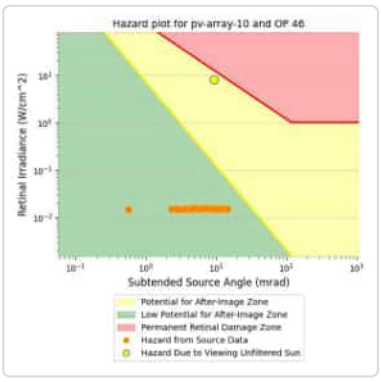
PV array 10: OP 46

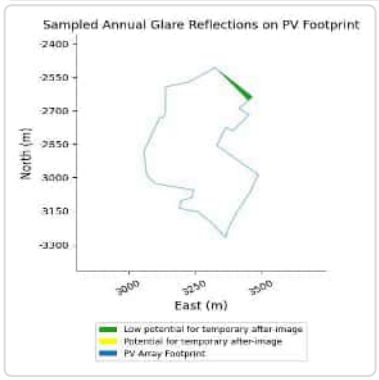
PV array is expected to produce the following glare for this receptor:

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









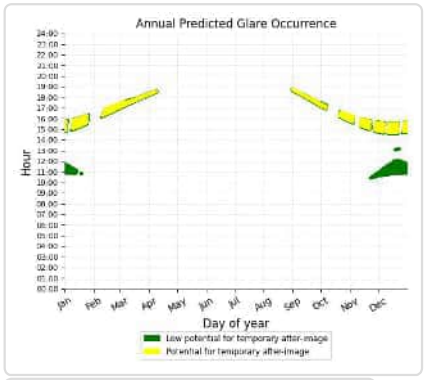
PV array 10: OP 47

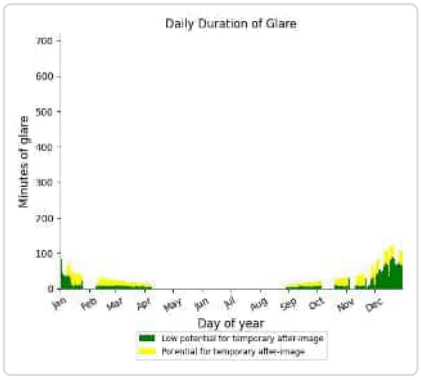
No glare found

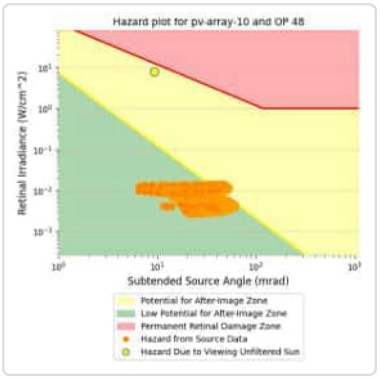
PV array 10: OP 48

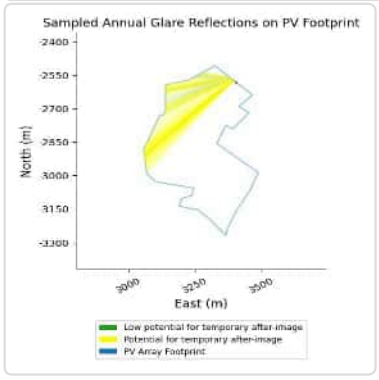
PV array is expected to produce the following glare for this receptor:

- 3,658 minutes of "green" glare with low potential to cause temporary after-image.
- 3,226 minutes of "yellow" glare with potential to cause temporary after-image.





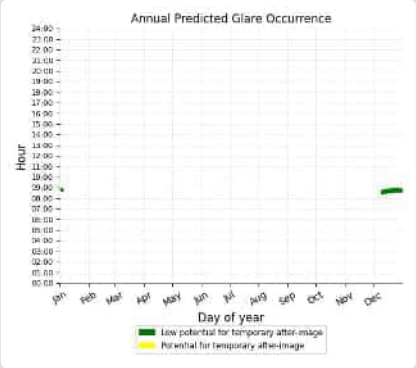


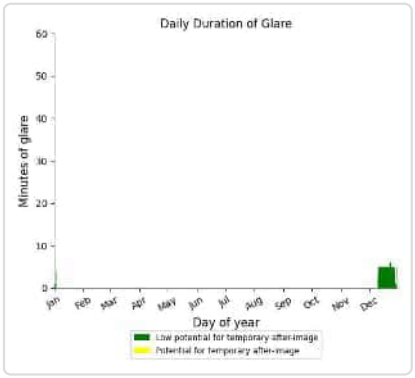


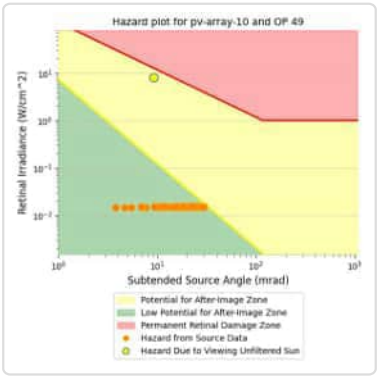
PV array 10: OP 49

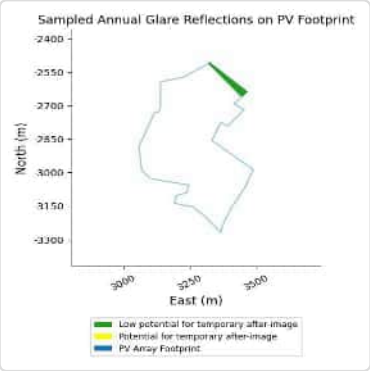
PV array is expected to produce the following glare for this receptor:

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









PV array 10: OP 50

No glare found

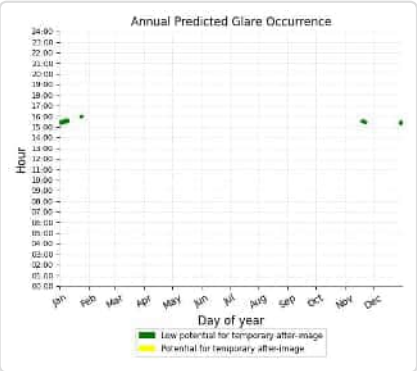
PV array 10: OP 51

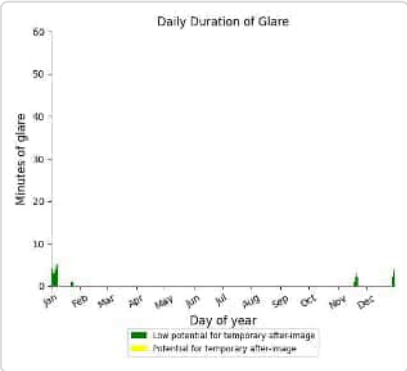
No glare found

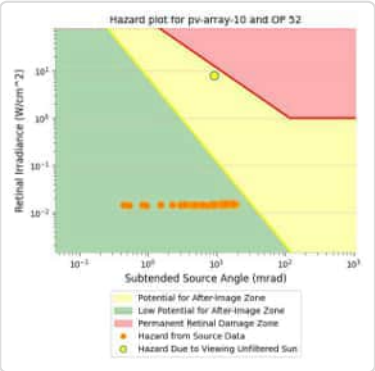
PV array 10: OP 52

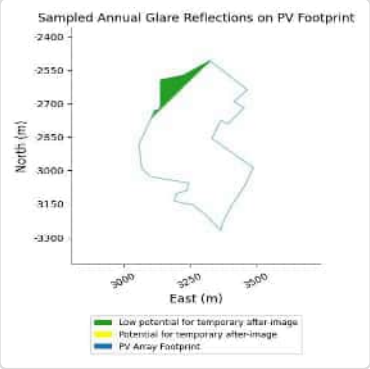
PV array is expected to produce the following glare for this receptor:

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









PV array 10: OP 53

No glare found

PV array 10: OP 54

No glare found

PV array 10: OP 55

No glare found

PV array 10: OP 56

No glare found

PV array 10: OP 57

No glare found

PV array 10: OP 58

No glare found

PV array 10: OP 59

No glare found

PV array 10: OP 60

No glare found

PV array 10: OP 61

No glare found

PV array 10: OP 62
No glare found

PV array 10: OP 63
No glare found

PV array 10: OP 64
No glare found

PV array 10: OP 65
No glare found

PV array 10: OP 66
No glare found

PV array 10: OP 67
No glare found

PV array 10: OP 68
No glare found

PV array 10: OP 69
No glare found

PV array 10: OP 70
No glare found

PV array 10: OP 71
No glare found

PV array 10: OP 72
No glare found

PV array 10: OP 73
No glare found

PV array 10: OP 74
No glare found

PV array 10: OP 75
No glare found

PV array 10: OP 76
No glare found

PV array 10: OP 77
No glare found

PV array 10: OP 78

No glare found

PV array 10: OP 79

No glare found

PV array 11 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	16	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	16	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	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
OP: OP 52	0	0
OP: OP 53	399	0
OP: OP 54	418	106
OP: OP 55	1291	143
OP: OP 56	44853	18988
OP: OP 57	16668	18767
OP: OP 58	1712	690
OP: OP 59	1850	2285
OP: OP 60	1277	744
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	80	0
OP: OP 75	0	0
OP: OP 76	103	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

PV array 11: OP 1

No glare found

PV array 11: OP 2

No glare found

PV array 11: OP 3

No glare found

PV array 11: OP 4

No glare found

PV array 11: OP 5

No glare found

PV array 11: OP 6
No glare found

PV array 11: OP 7
No glare found

PV array 11: OP 8
No glare found

PV array 11: OP 9
No glare found

PV array 11: OP 10
No glare found

PV array 11: OP 11
No glare found

PV array 11: OP 12
No glare found

PV array 11: OP 13
No glare found

PV array 11: OP 14
No glare found

PV array 11: OP 15
No glare found

PV array 11: OP 16
No glare found

PV array 11: OP 17
No glare found

PV array 11: OP 18
No glare found

PV array 11: OP 19
No glare found

PV array 11: OP 20
No glare found

PV array 11: OP 21
No glare found

PV array 11: OP 22

No glare found

PV array 11: OP 23

No glare found

PV array 11: OP 24

No glare found

PV array 11: OP 25

No glare found

PV array 11: OP 26

No glare found

PV array 11: OP 27

No glare found

PV array 11: OP 28

No glare found

PV array 11: OP 29

No glare found

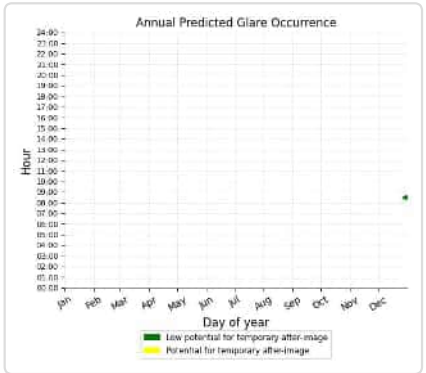
PV array 11: OP 30

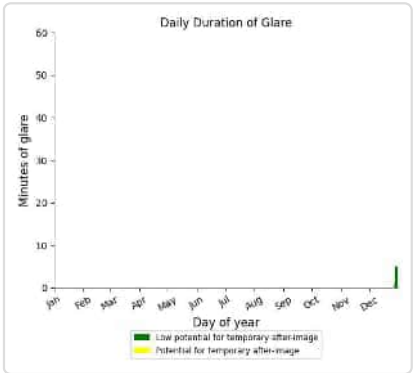
No glare found

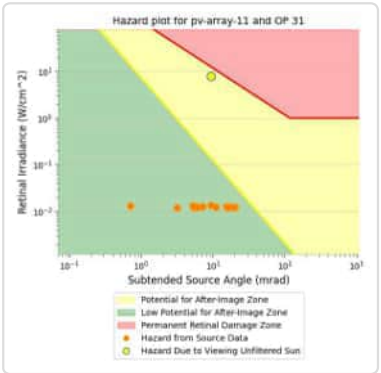
PV array 11: OP 31

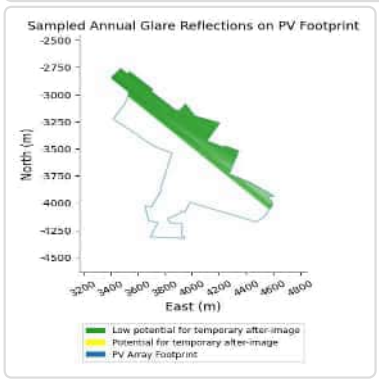
PV array is expected to produce the following glare for this receptor:

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









PV array 11: OP 32

No glare found

PV array 11: OP 33

No glare found

PV array 11: OP 34

No glare found

PV array 11: OP 35

No glare found

PV array 11: OP 36

No glare found

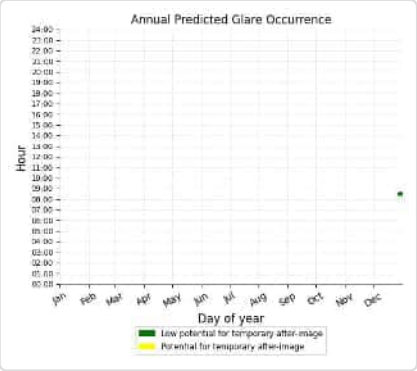
PV array 11: OP 37

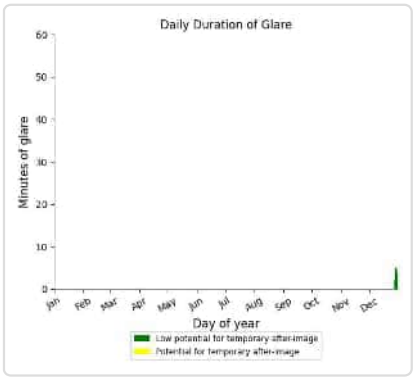
No glare found

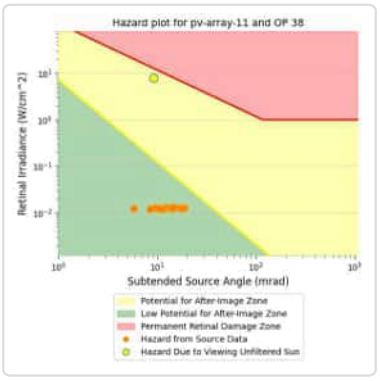
PV array 11: OP 38

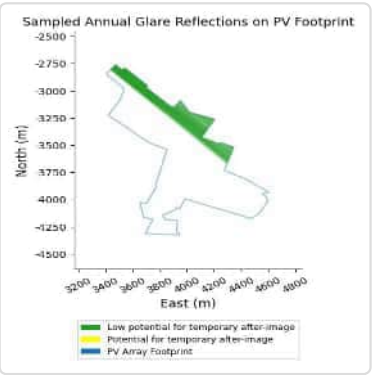
PV array is expected to produce the following glare for this receptor:

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









PV array 11: OP 39

No glare found

PV array 11: OP 40

No glare found

PV array 11: OP 41

No glare found

PV array 11: OP 42
No glare found

PV array 11: OP 43
No glare found

PV array 11: OP 44
No glare found

PV array 11: OP 45
No glare found

PV array 11: OP 46
No glare found

PV array 11: OP 47
No glare found

PV array 11: OP 48
No glare found

PV array 11: OP 49
No glare found

PV array 11: OP 50
No glare found

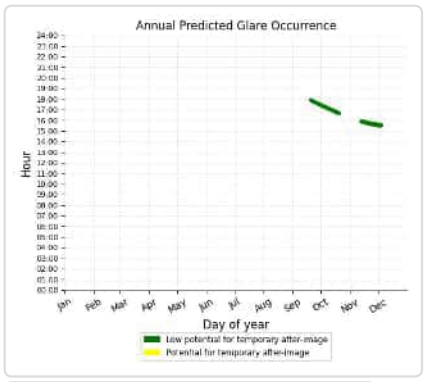
PV array 11: OP 51
No glare found

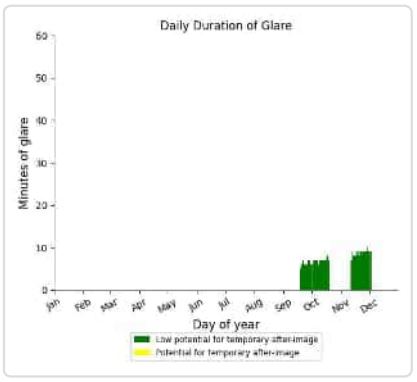
PV array 11: OP 52
No glare found

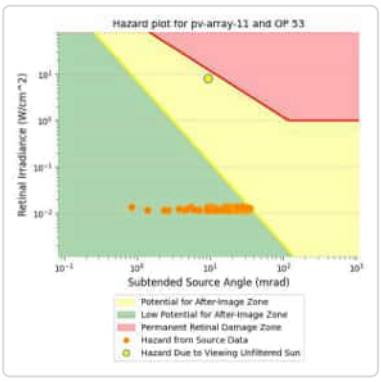
PV array 11: OP 53

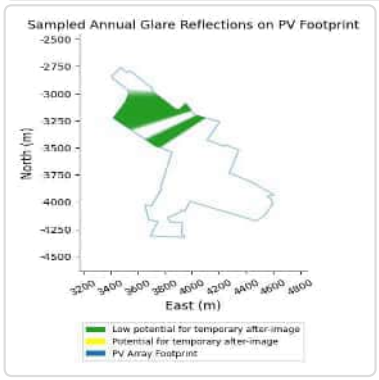
PV array is expected to produce the following glare for this receptor:

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





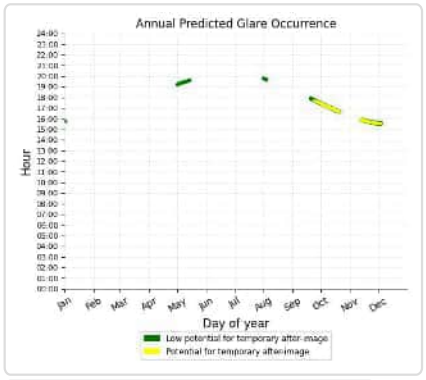


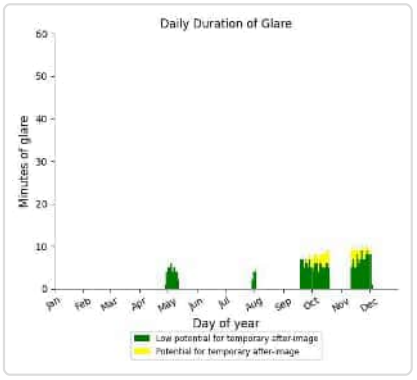


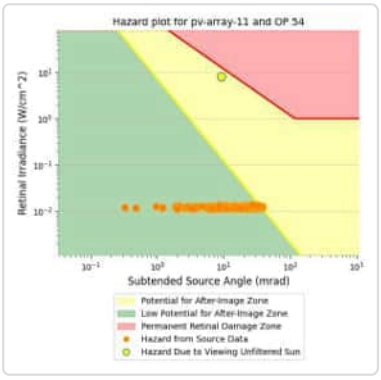
PV array 11: OP 54

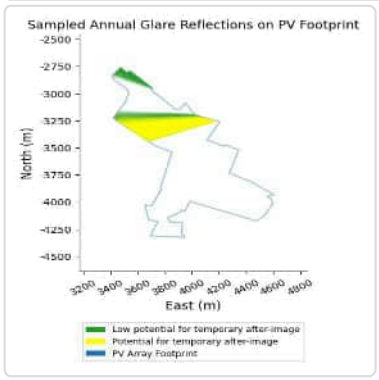
PV array is expected to produce the following glare for this receptor:

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





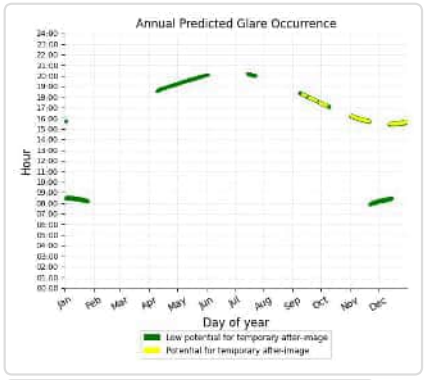


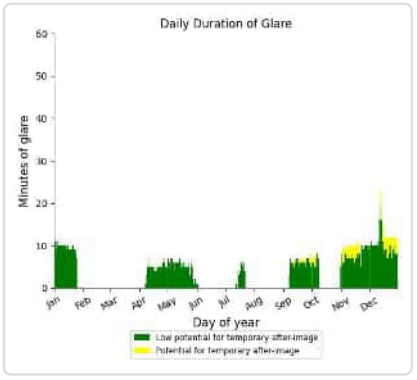


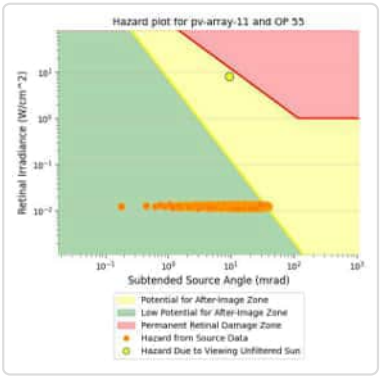
PV array 11: OP 55

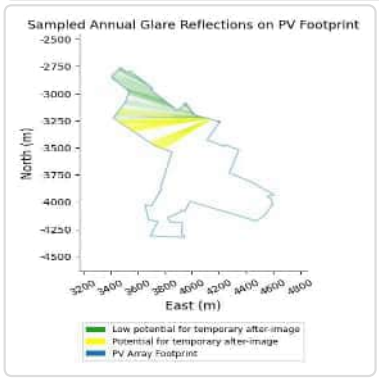
PV array is expected to produce the following glare for this receptor:

- 1,291 minutes of "green" glare with low potential to cause temporary after-image.
- 143 minutes of "yellow" glare with potential to cause temporary after-image.





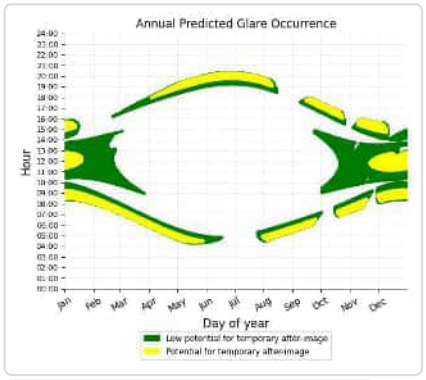


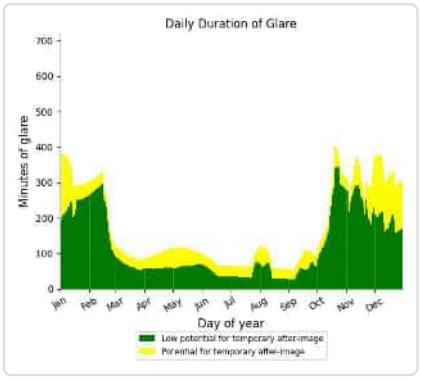


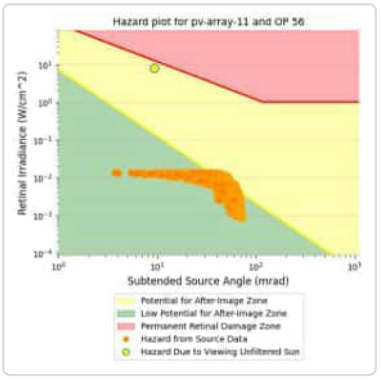
PV array 11: OP 56

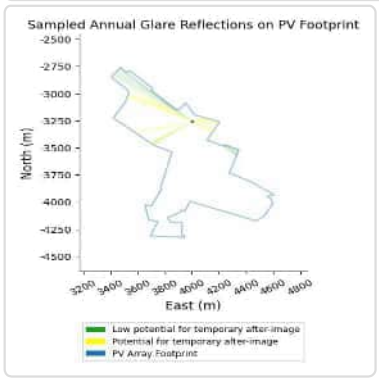
PV array is expected to produce the following glare for this receptor:

- 44,853 minutes of "green" glare with low potential to cause temporary after-image.
- 18,988 minutes of "yellow" glare with potential to cause temporary after-image.





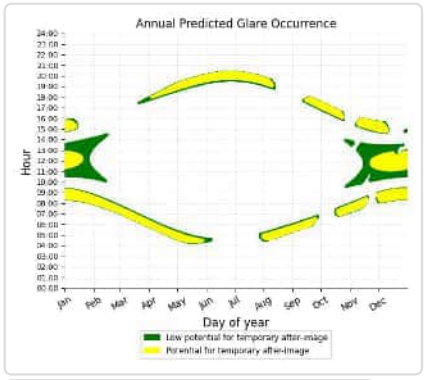


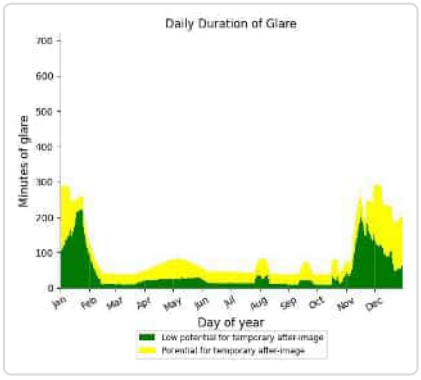


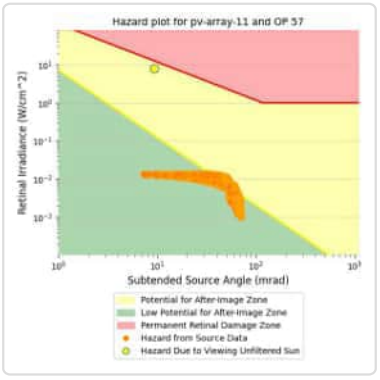
PV array 11: OP 57

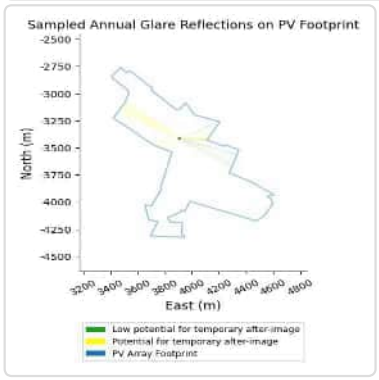
PV array is expected to produce the following glare for this receptor:

- 16,668 minutes of "green" glare with low potential to cause temporary after-image.
- 18,767 minutes of "yellow" glare with potential to cause temporary after-image.





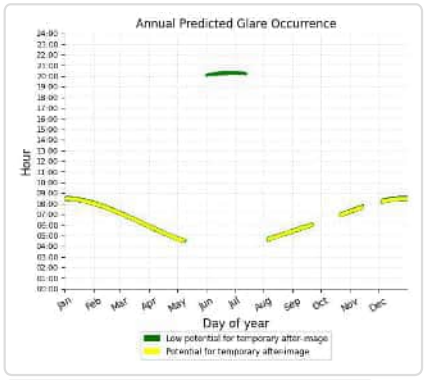


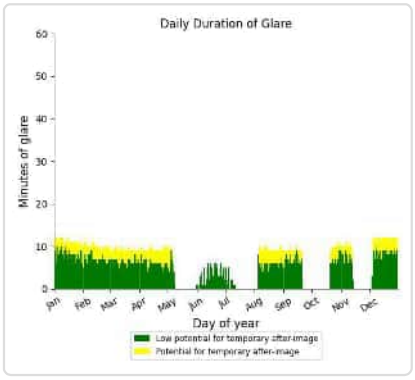


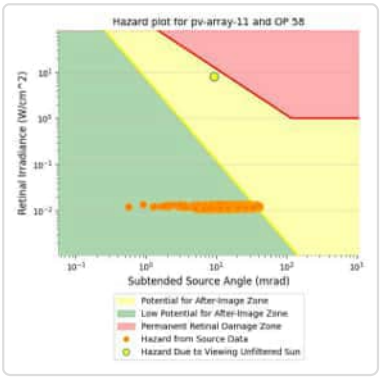
PV array 11: OP 58

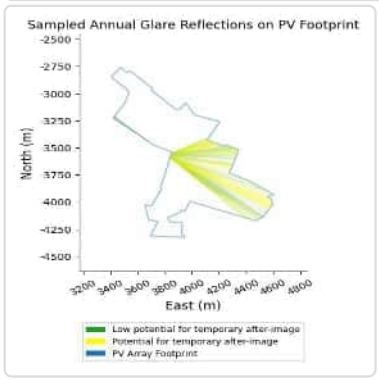
PV array is expected to produce the following glare for this receptor:

- 1,712 minutes of "green" glare with low potential to cause temporary after-image.
- 690 minutes of "yellow" glare with potential to cause temporary after-image.





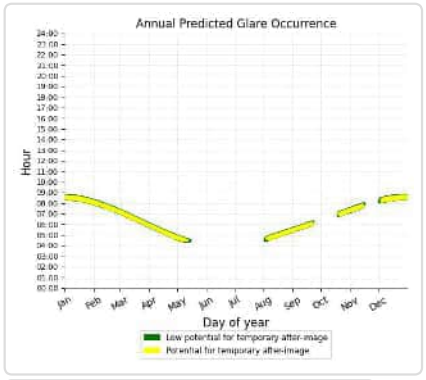


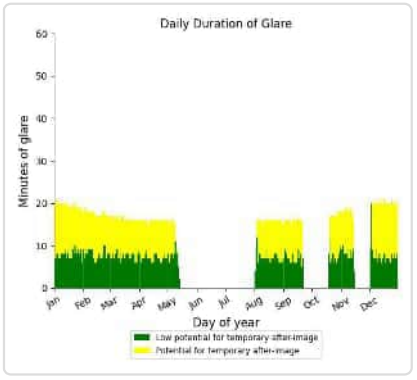


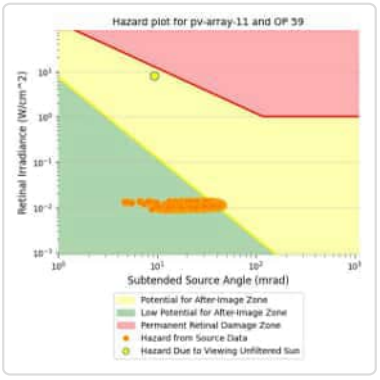
PV array 11: OP 59

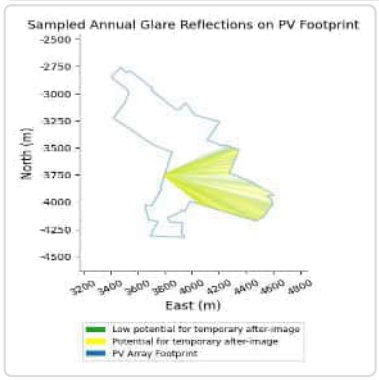
PV array is expected to produce the following glare for this receptor:

- 1,850 minutes of "green" glare with low potential to cause temporary after-image.
- 2,285 minutes of "yellow" glare with potential to cause temporary after-image.





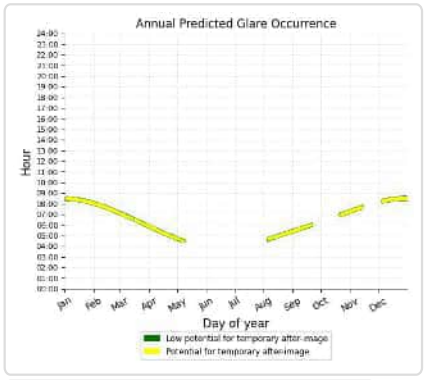


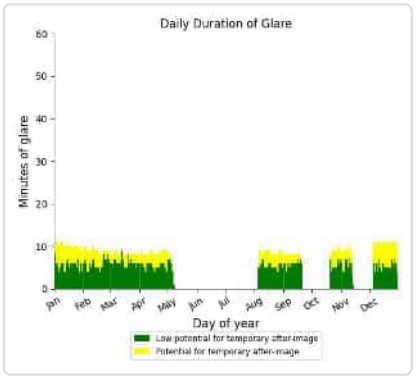


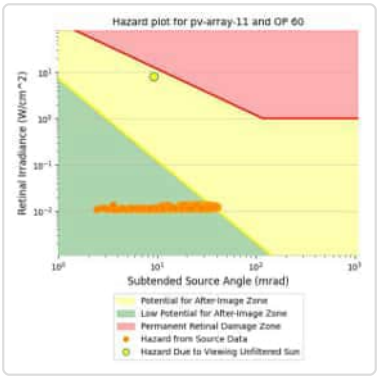
PV array 11: OP 60

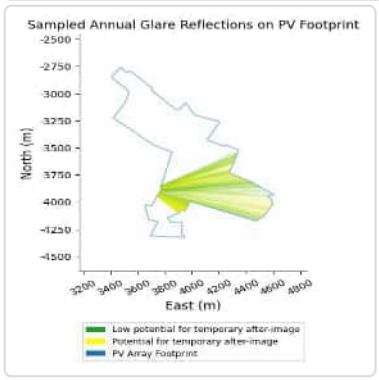
PV array is expected to produce the following glare for this receptor:

- 1,277 minutes of "green" glare with low potential to cause temporary after-image.
- 744 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 11: OP 61

No glare found

PV array 11: OP 62
No glare found

PV array 11: OP 63
No glare found

PV array 11: OP 64
No glare found

PV array 11: OP 65
No glare found

PV array 11: OP 66
No glare found

PV array 11: OP 67
No glare found

PV array 11: OP 68
No glare found

PV array 11: OP 69
No glare found

PV array 11: OP 70
No glare found

PV array 11: OP 71
No glare found

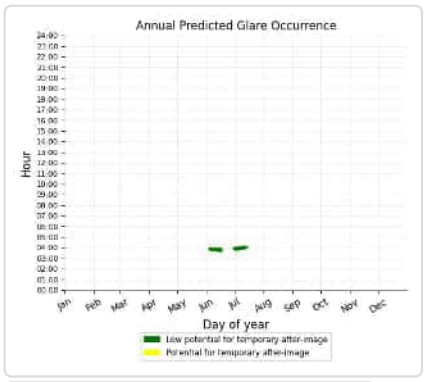
PV array 11: OP 72
No glare found

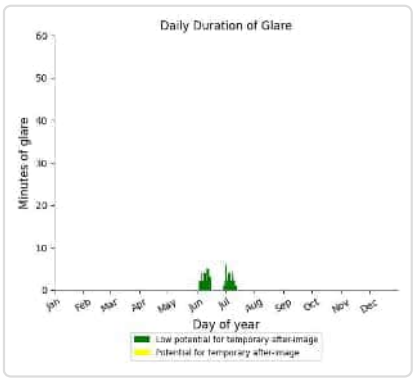
PV array 11: OP 73
No glare found

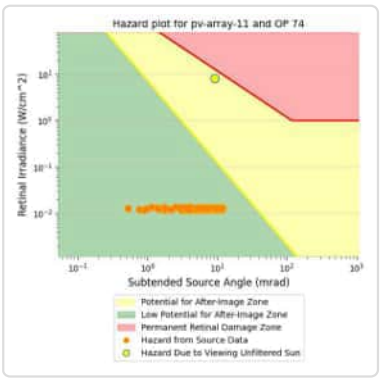
PV array 11: OP 74

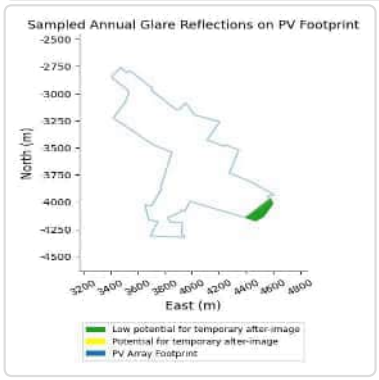
PV array is expected to produce the following glare for this receptor:

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









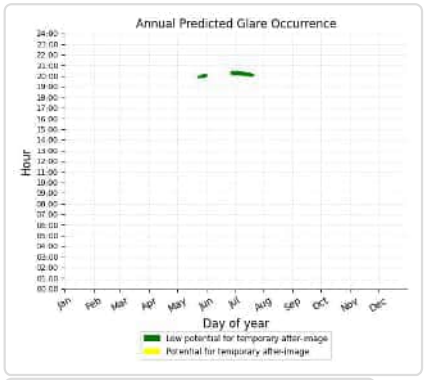
PV array 11: OP 75

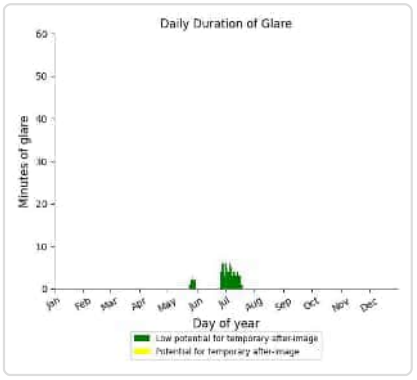
No glare found

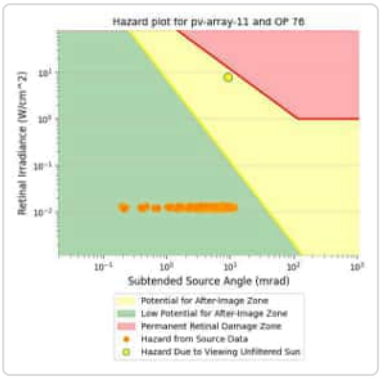
PV array 11: OP 76

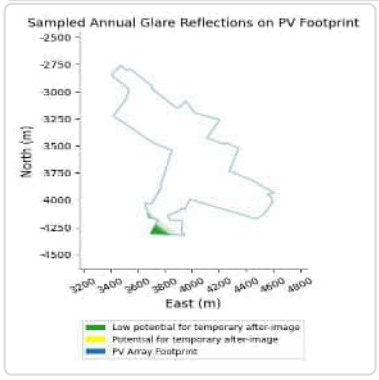
PV array is expected to produce the following glare for this receptor:

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









PV array 11: OP 77

No glare found

PV array 11: OP 78

No glare found

PV array 11: OP 79

No glare found

PV array 12 low potential for temporary after-image

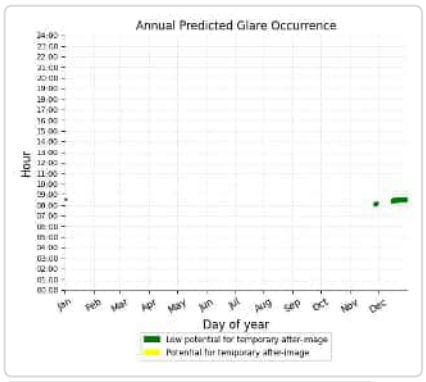
Component	Green glare (min)	Yellow glare (min)
OP: OP 1	188	0
OP: OP 2	204	0
OP: OP 3	187	0
OP: OP 4	157	0
OP: OP 5	154	0
OP: OP 6	142	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	56	0
OP: OP 23	64	0
OP: OP 24	78	0
OP: OP 25	100	0
OP: OP 26	170	0
OP: OP 27	216	0
OP: OP 28	212	0
OP: OP 29	209	0
OP: OP 30	186	0
OP: OP 31	135	0
OP: OP 32	127	0
OP: OP 33	100	0
OP: OP 34	85	0
OP: OP 35	155	0
OP: OP 36	120	0
OP: OP 37	134	0
OP: OP 38	138	0
OP: OP 39	242	0
OP: OP 40	231	0

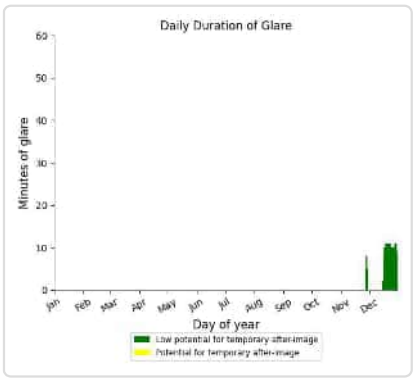
OP: OP 41	28	0
OP: OP 42	47	0
OP: OP 43	57	0
OP: OP 44	68	0
OP: OP 45	133	0
OP: OP 46	0	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	21	0
OP: OP 50	0	0
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	138	0
OP: OP 57	237	0
OP: OP 58	290	0
OP: OP 59	235	0
OP: OP 60	100	0
OP: OP 61	279	0
OP: OP 62	256	0
OP: OP 63	131	0
OP: OP 64	86	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

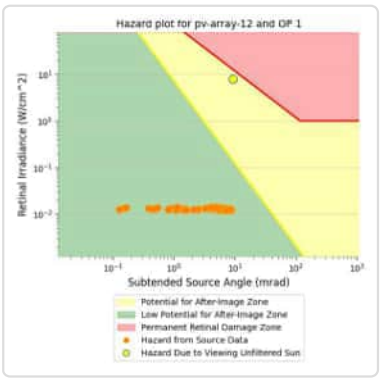
PV array 12: OP 1

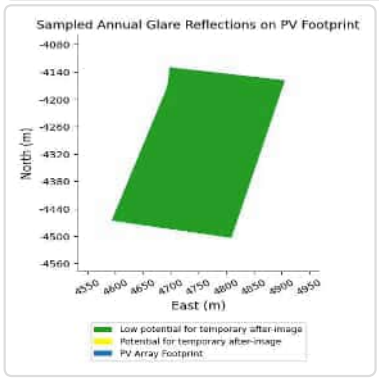
PV array is expected to produce the following glare for this receptor:

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





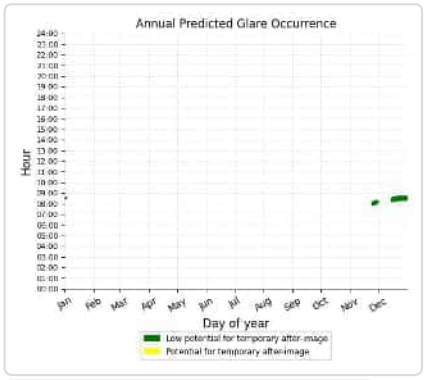


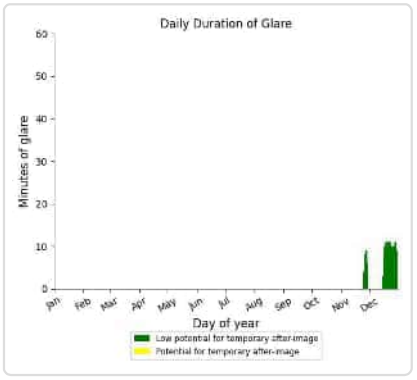


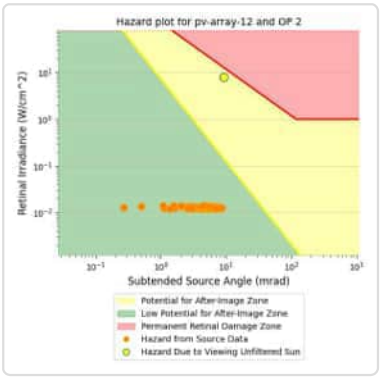
PV array 12: OP 2

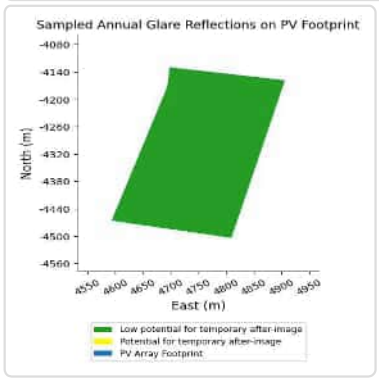
PV array is expected to produce the following glare for this receptor:

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





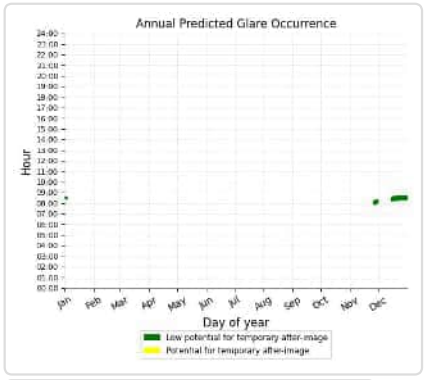


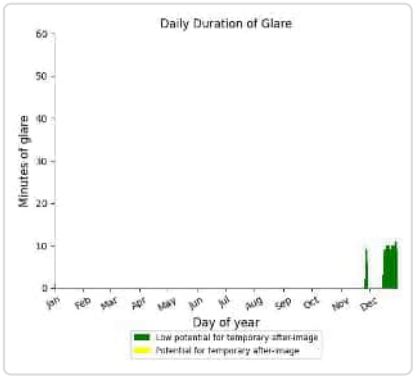


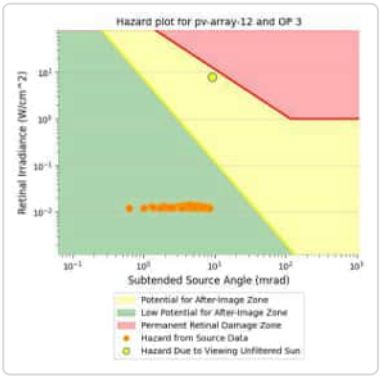
PV array 12: OP 3

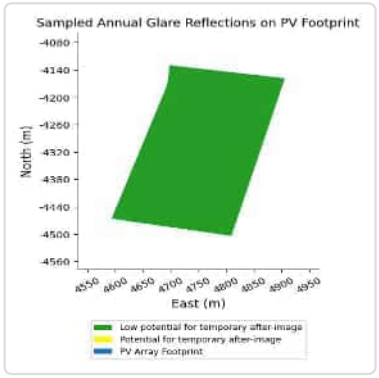
PV array is expected to produce the following glare for this receptor:

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





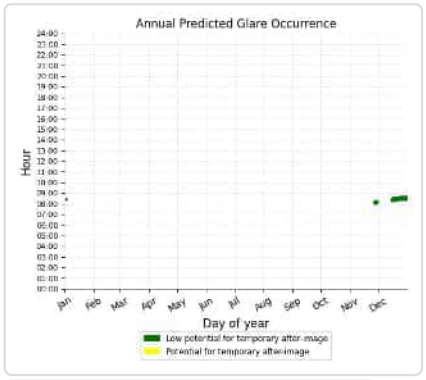


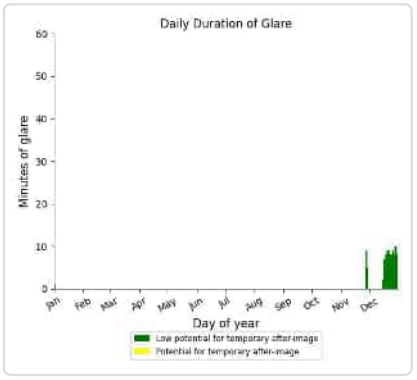


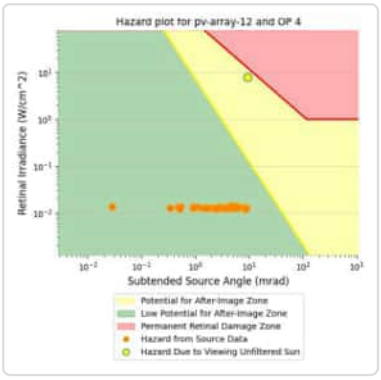
PV array 12: OP 4

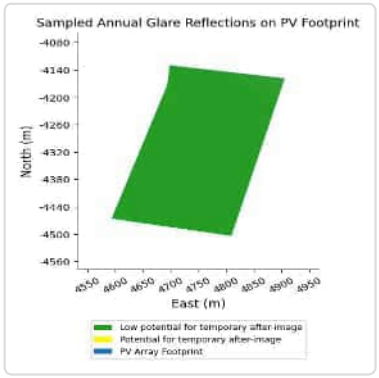
PV array is expected to produce the following glare for this receptor:

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





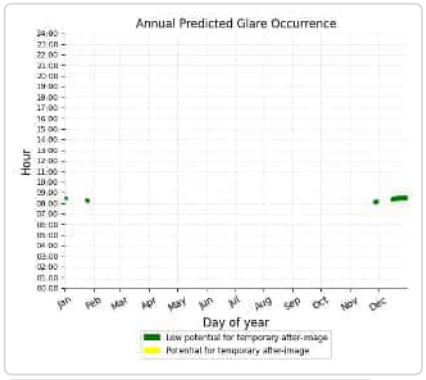


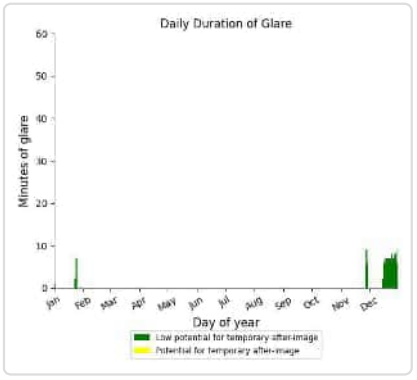


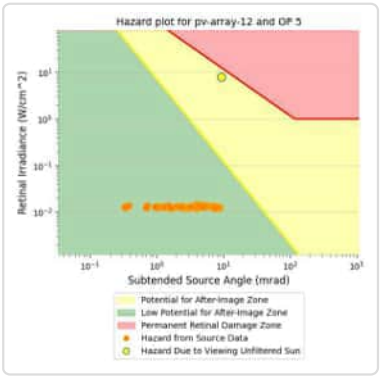
PV array 12: OP 5

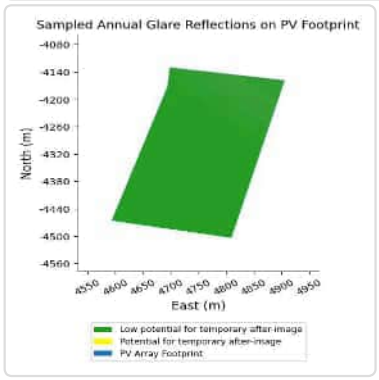
PV array is expected to produce the following glare for this receptor:

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





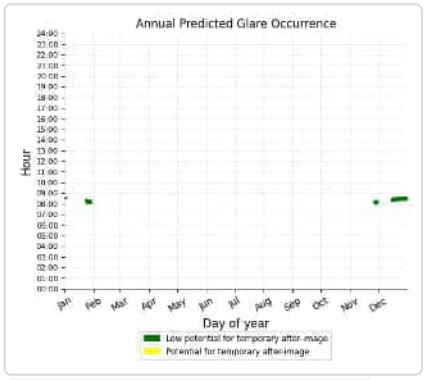


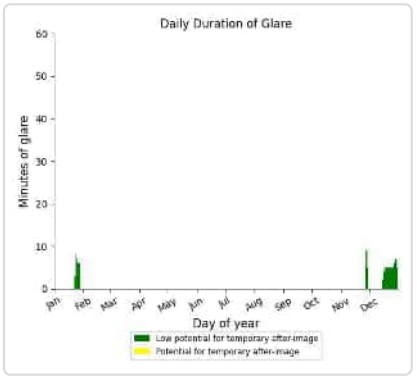


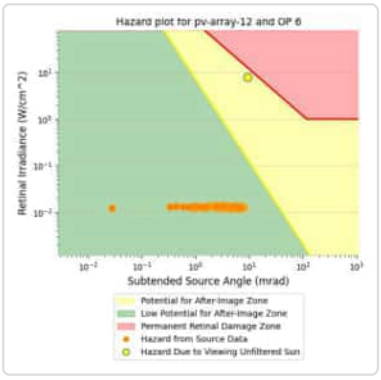
PV array 12: OP 6

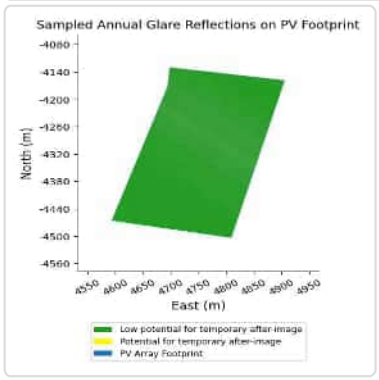
PV array is expected to produce the following glare for this receptor:

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









PV array 12: OP 7

No glare found

PV array 12: OP 8
No glare found

PV array 12: OP 9
No glare found

PV array 12: OP 10
No glare found

PV array 12: OP 11
No glare found

PV array 12: OP 12
No glare found

PV array 12: OP 13
No glare found

PV array 12: OP 14
No glare found

PV array 12: OP 15
No glare found

PV array 12: OP 16
No glare found

PV array 12: OP 17
No glare found

PV array 12: OP 18
No glare found

PV array 12: OP 19
No glare found

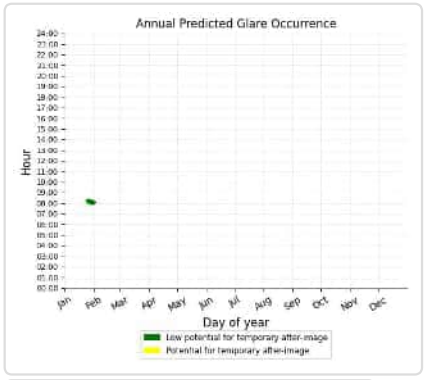
PV array 12: OP 20
No glare found

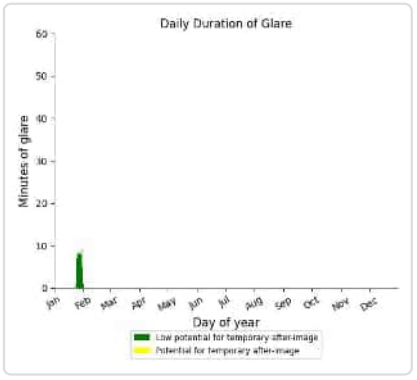
PV array 12: OP 21
No glare found

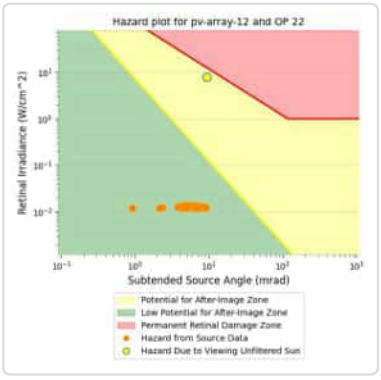
PV array 12: OP 22

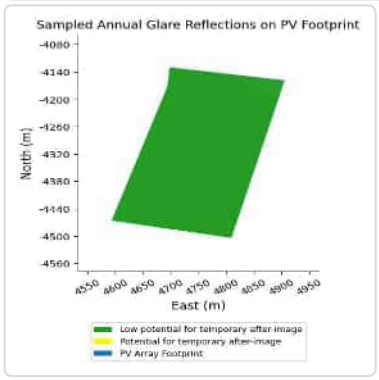
PV array is expected to produce the following glare for this receptor:

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





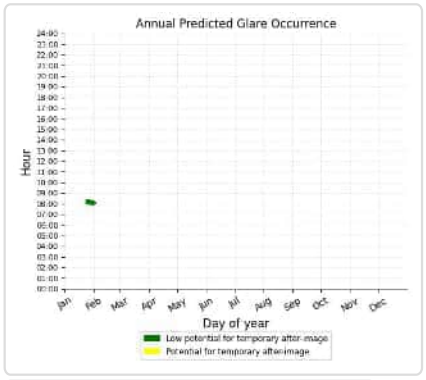


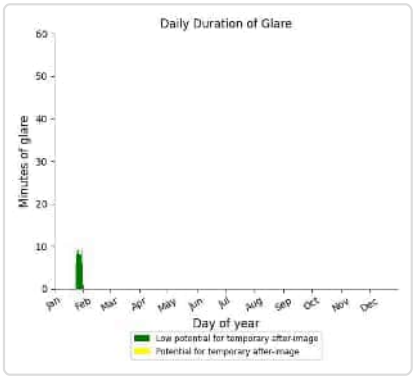


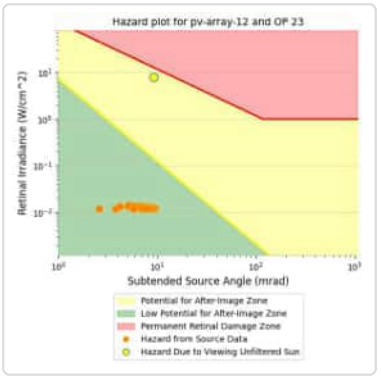
PV array 12: OP 23

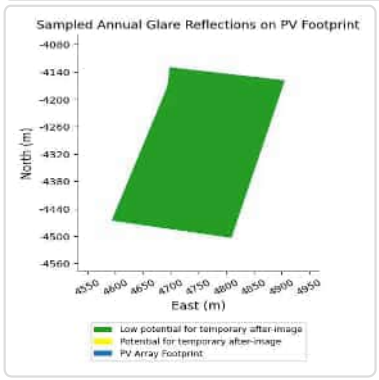
PV array is expected to produce the following glare for this receptor:

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





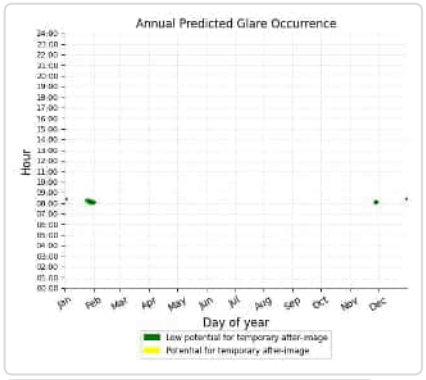


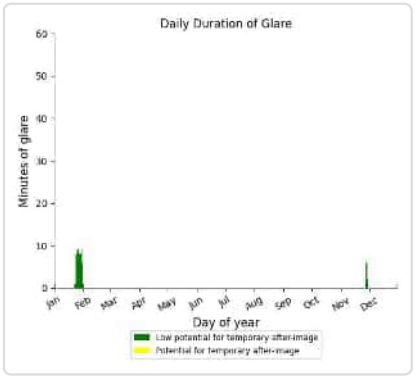


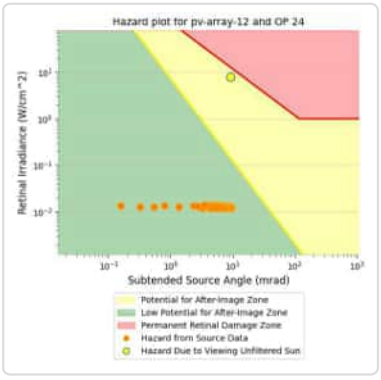
PV array 12: OP 24

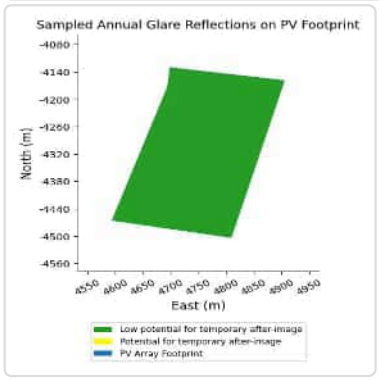
PV array is expected to produce the following glare for this receptor:

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





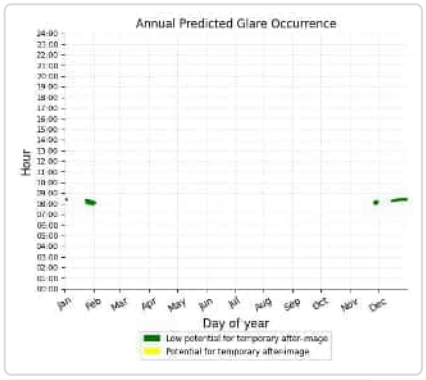


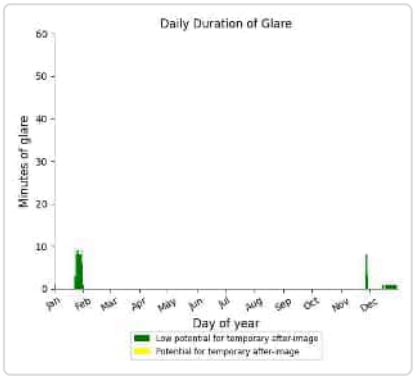


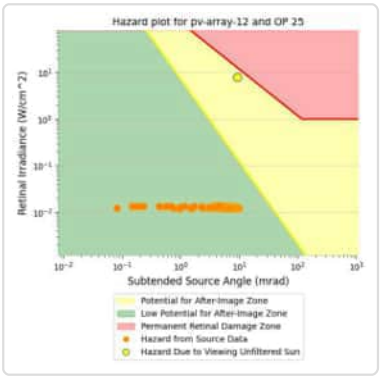
PV array 12: OP 25

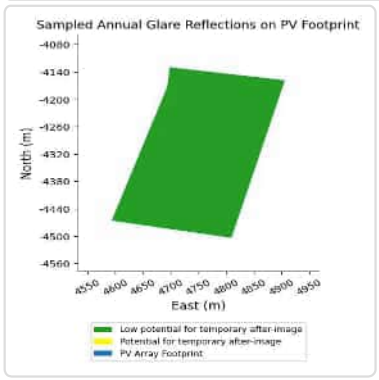
PV array is expected to produce the following glare for this receptor:

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





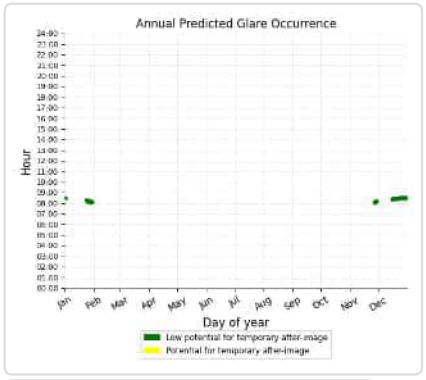


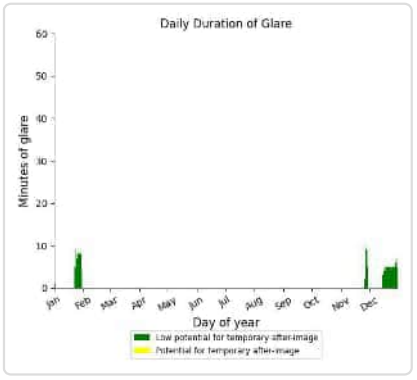


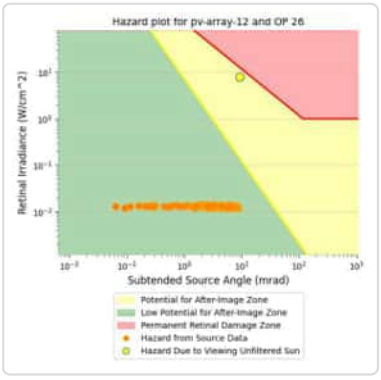
PV array 12: OP 26

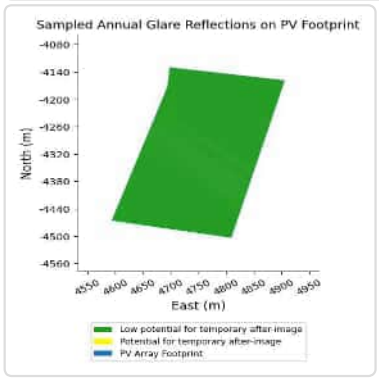
PV array is expected to produce the following glare for this receptor:

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





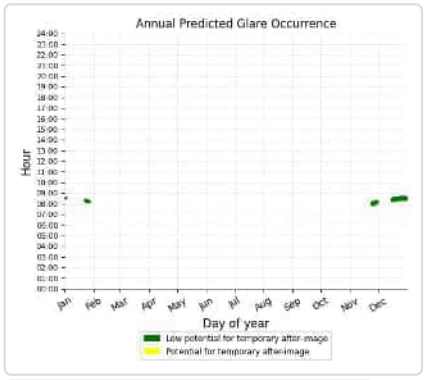


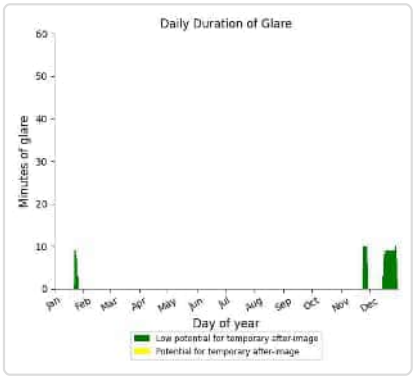


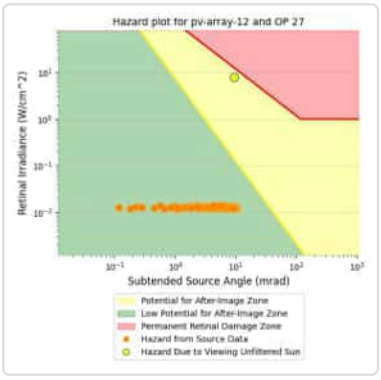
PV array 12: OP 27

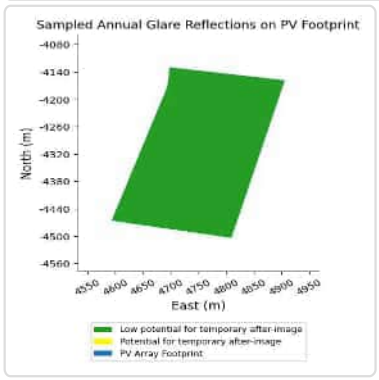
PV array is expected to produce the following glare for this receptor:

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





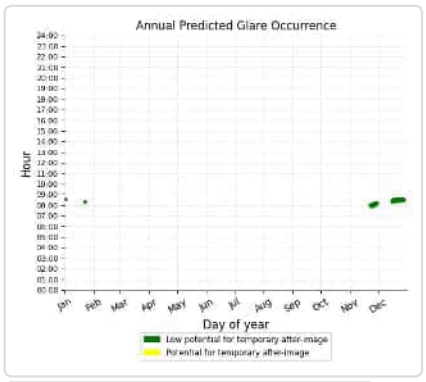


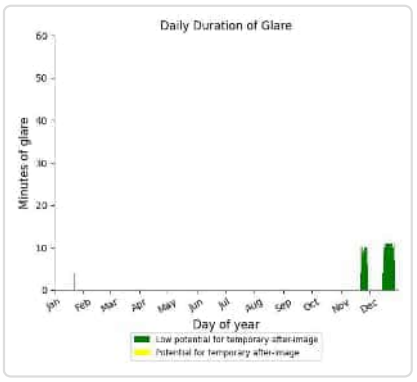


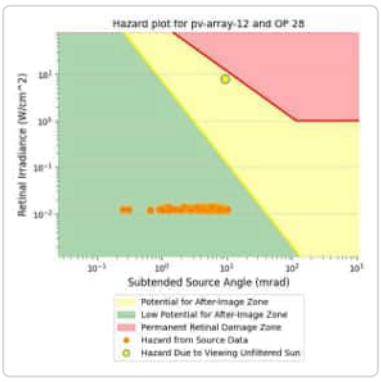
PV array 12: OP 28

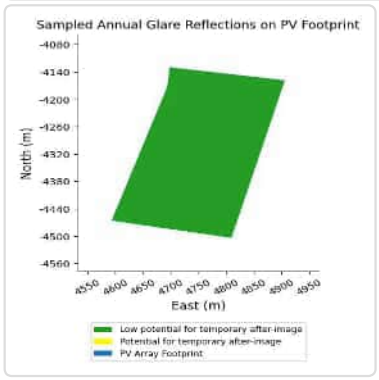
PV array is expected to produce the following glare for this receptor:

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





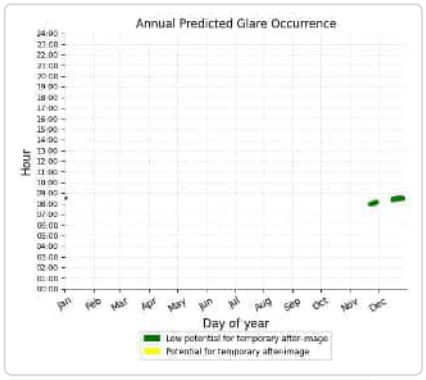


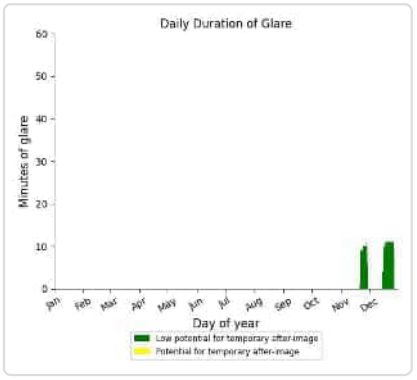


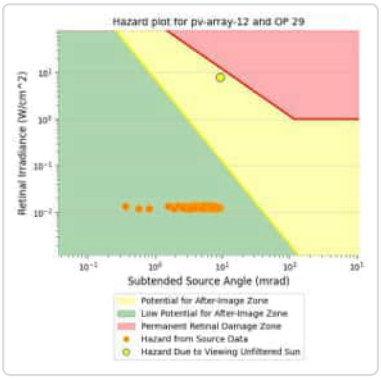
PV array 12: OP 29

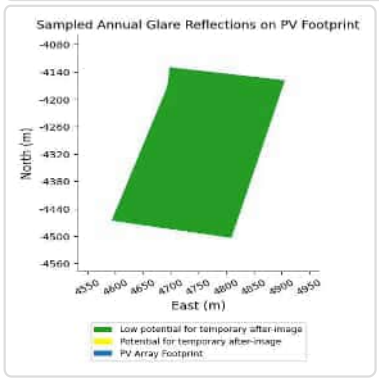
PV array is expected to produce the following glare for this receptor:

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





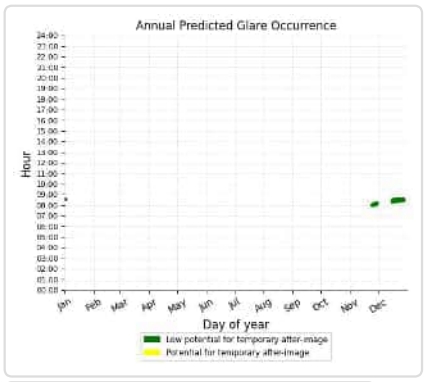


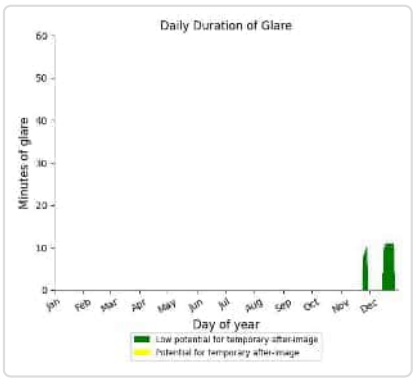


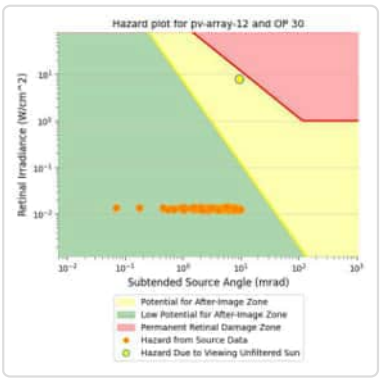
PV array 12: OP 30

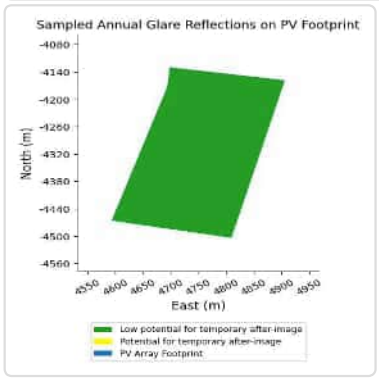
PV array is expected to produce the following glare for this receptor:

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





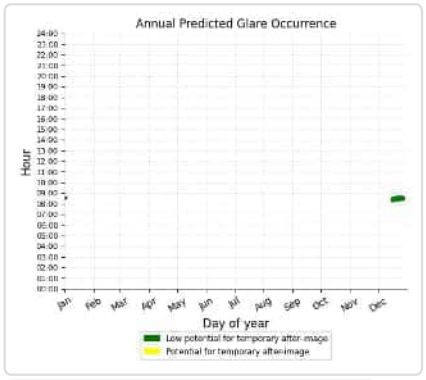


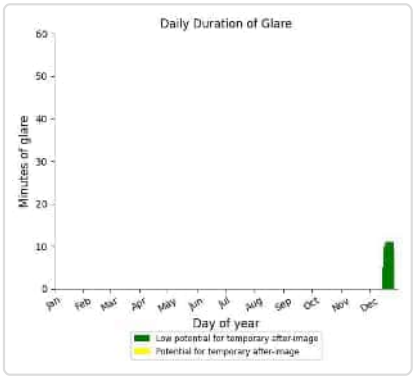


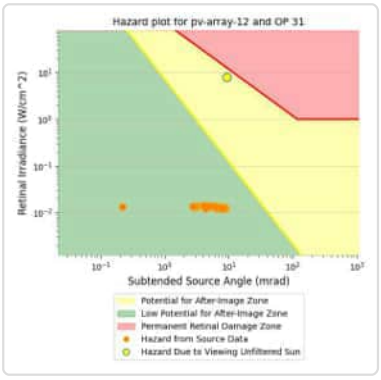
PV array 12: OP 31

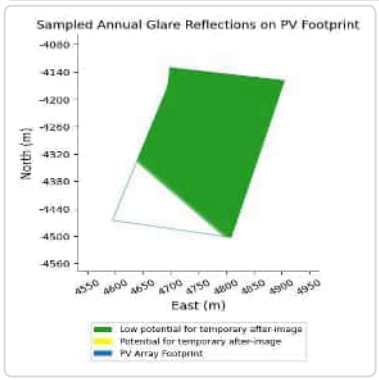
PV array is expected to produce the following glare for this receptor:

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





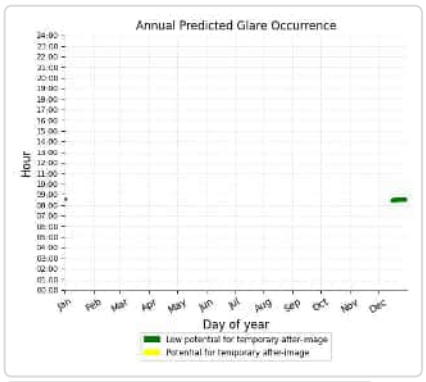


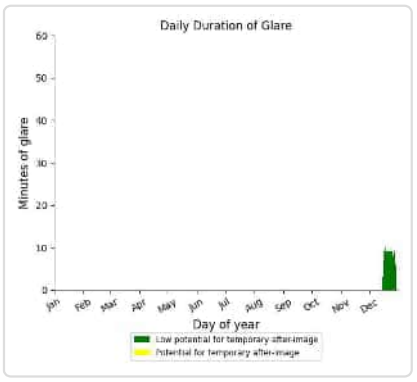


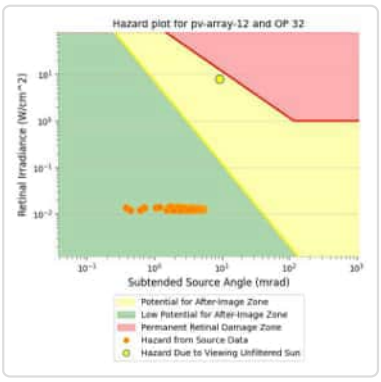
PV array 12: OP 32

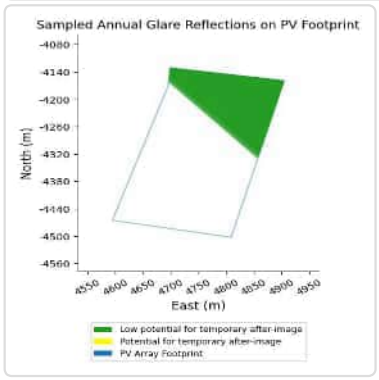
PV array is expected to produce the following glare for this receptor:

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





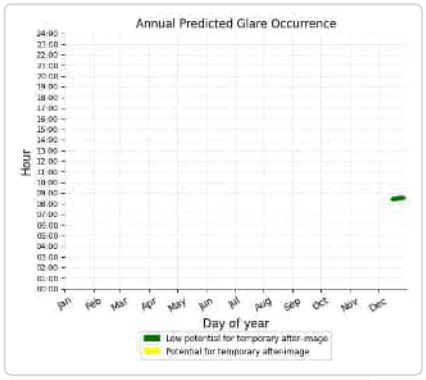


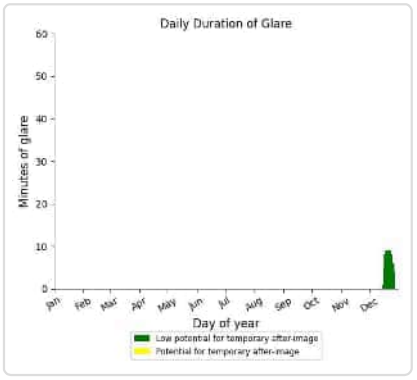


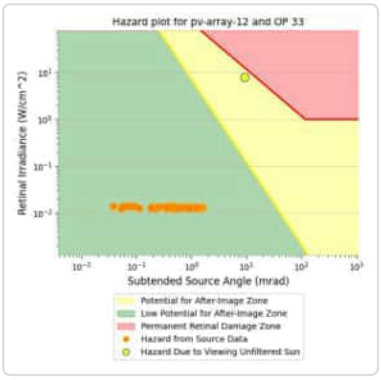
PV array 12: OP 33

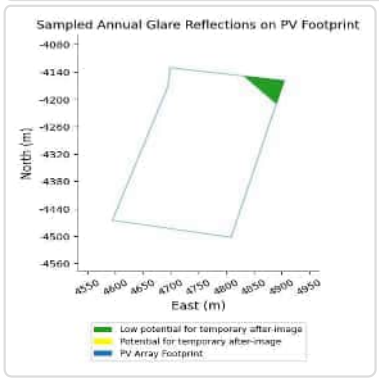
PV array is expected to produce the following glare for this receptor:

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





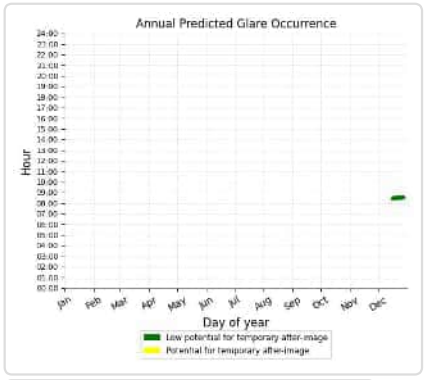


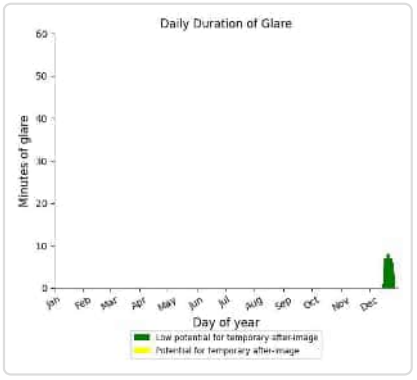


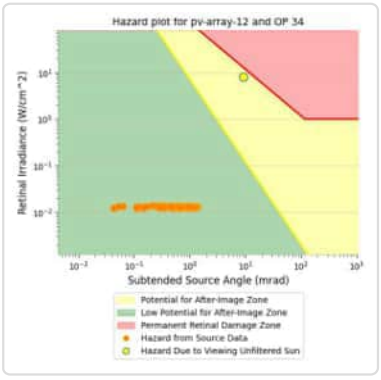
PV array 12: OP 34

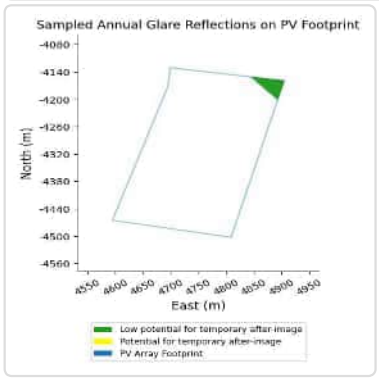
PV array is expected to produce the following glare for this receptor:

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





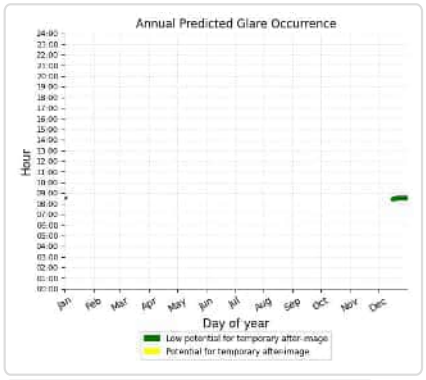


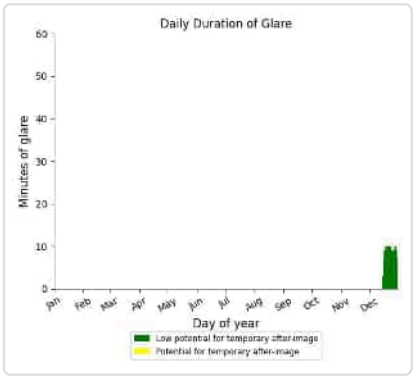


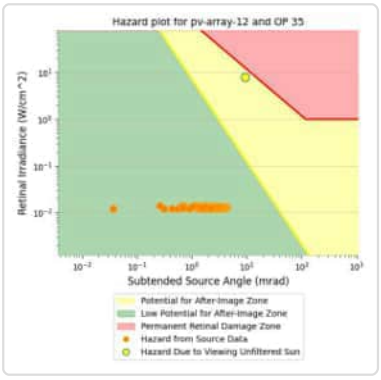
PV array 12: OP 35

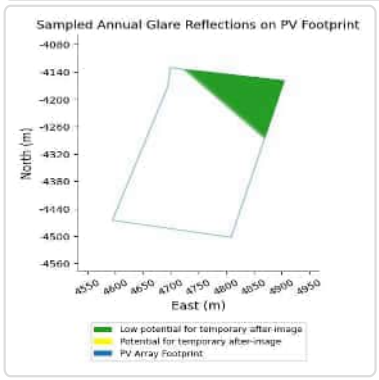
PV array is expected to produce the following glare for this receptor:

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





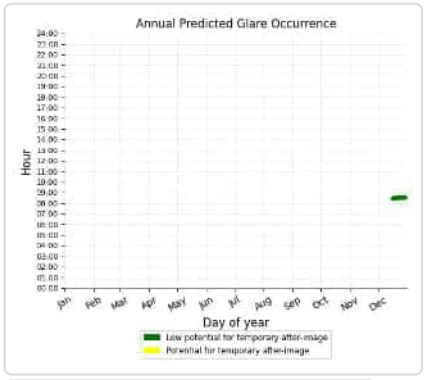


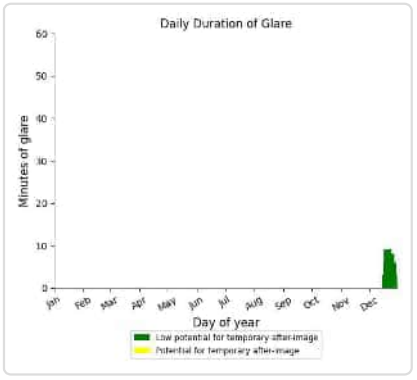


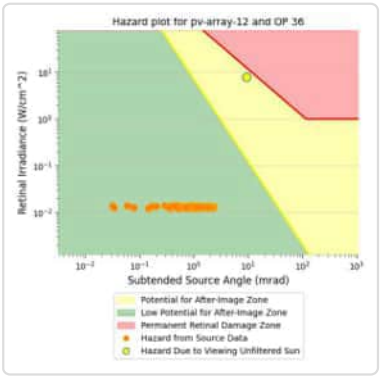
PV array 12: OP 36

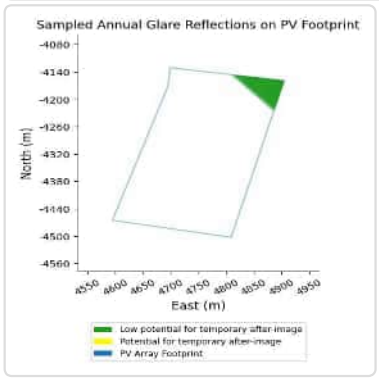
PV array is expected to produce the following glare for this receptor:

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





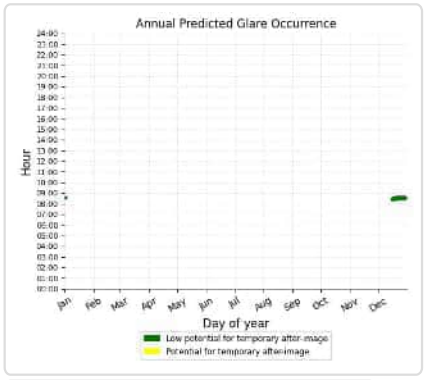


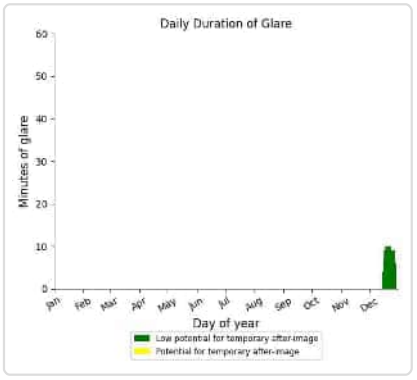


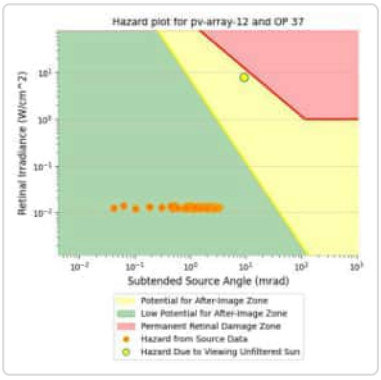
PV array 12: OP 37

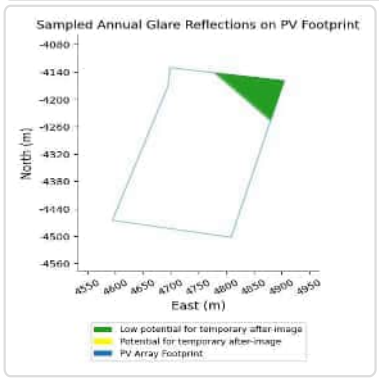
PV array is expected to produce the following glare for this receptor:

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





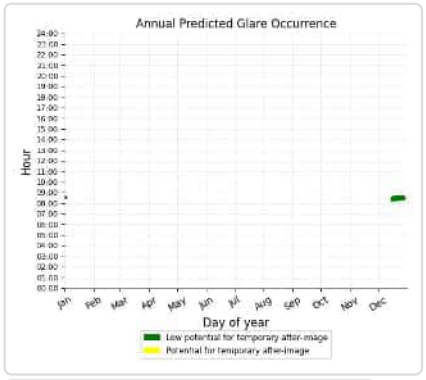


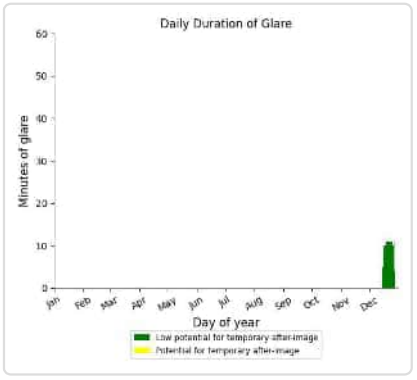


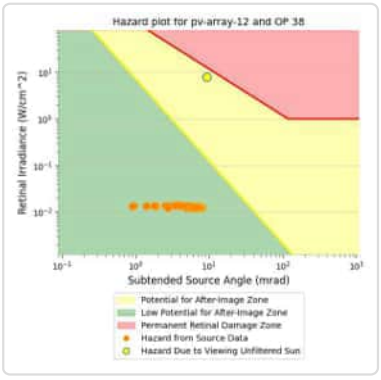
PV array 12: OP 38

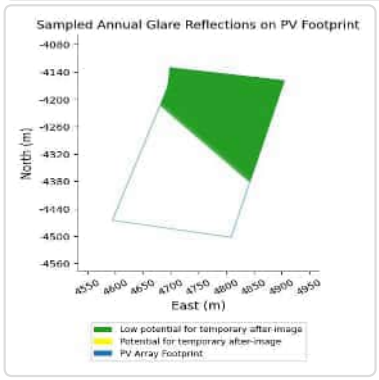
PV array is expected to produce the following glare for this receptor:

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





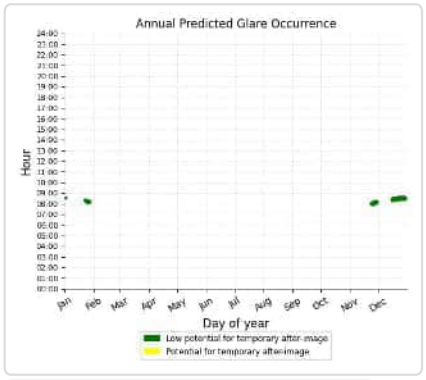


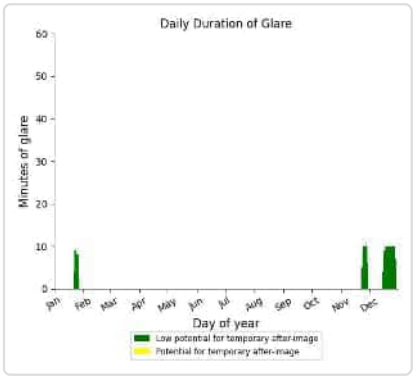


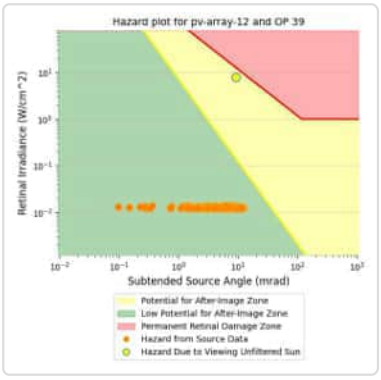
PV array 12: OP 39

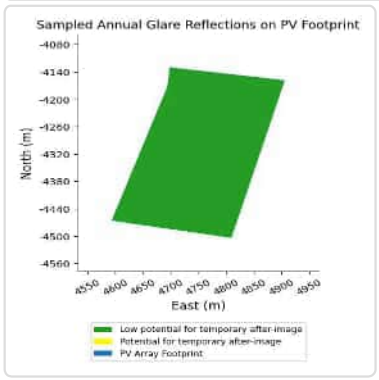
PV array is expected to produce the following glare for this receptor:

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





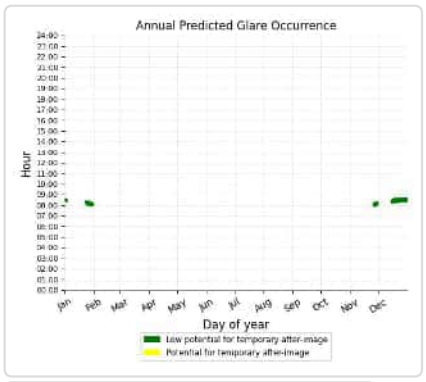


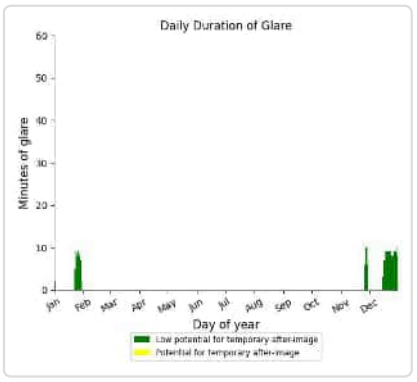


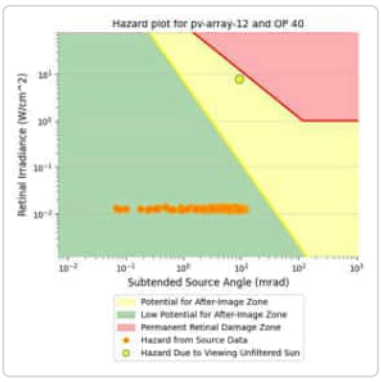
PV array 12: OP 40

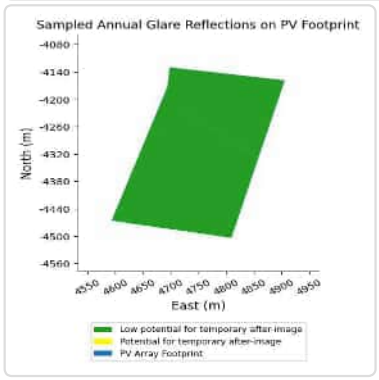
PV array is expected to produce the following glare for this receptor:

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





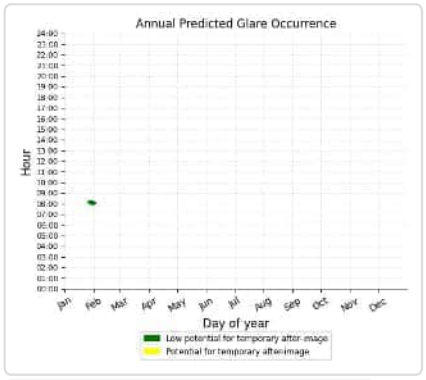


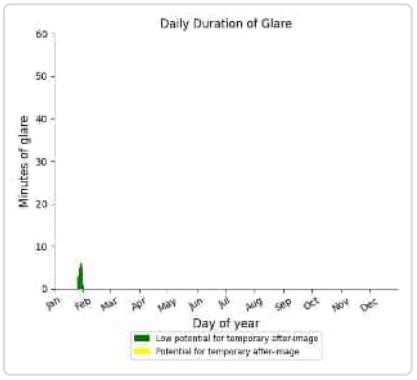


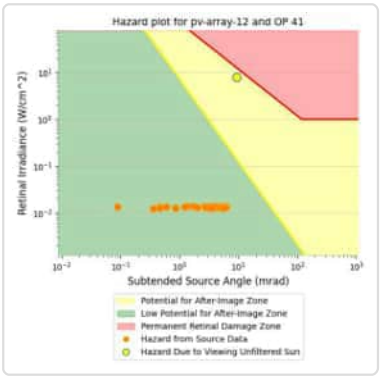
PV array 12: OP 41

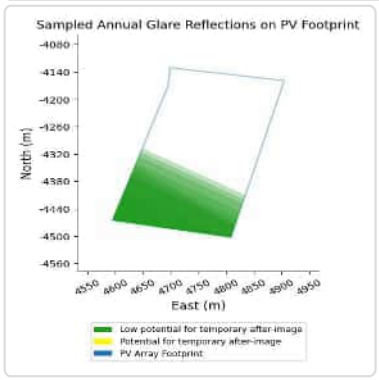
PV array is expected to produce the following glare for this receptor:

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





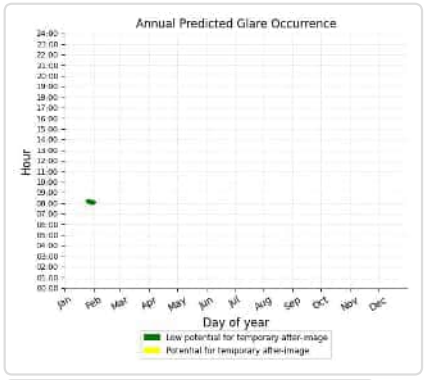


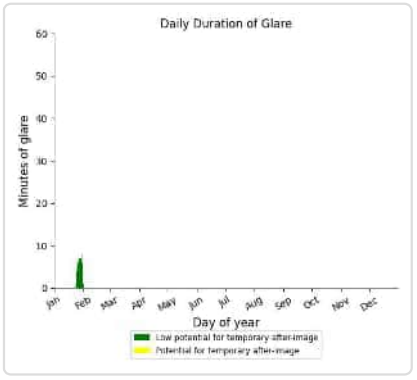


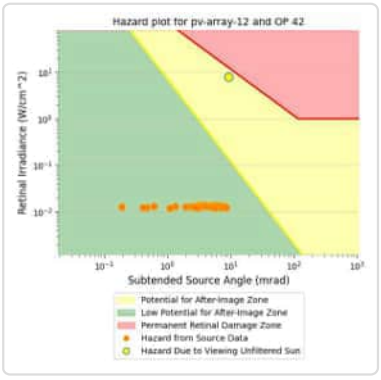
PV array 12: OP 42

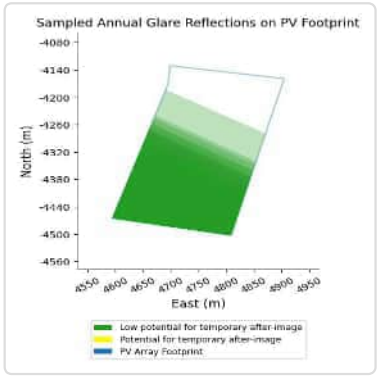
PV array is expected to produce the following glare for this receptor:

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





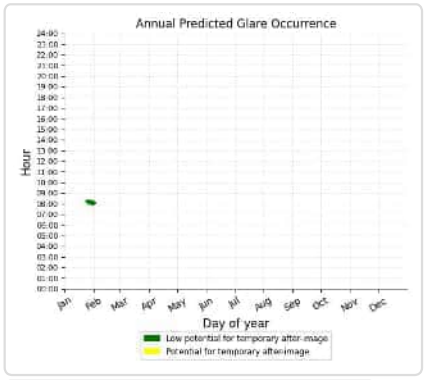


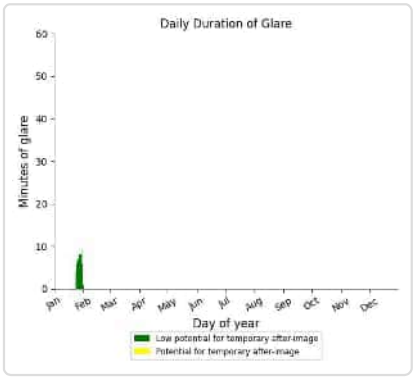


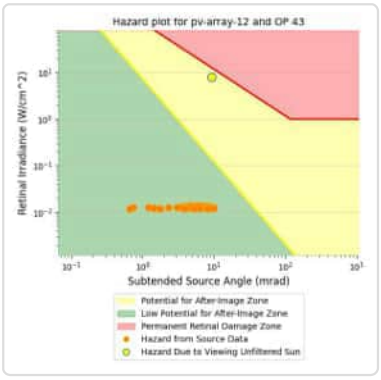
PV array 12: OP 43

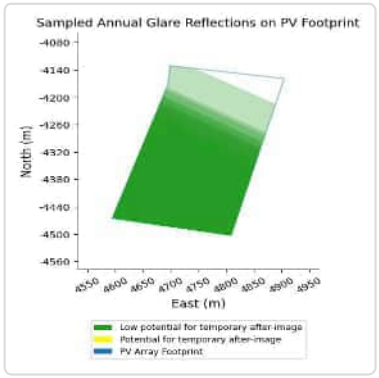
PV array is expected to produce the following glare for this receptor:

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





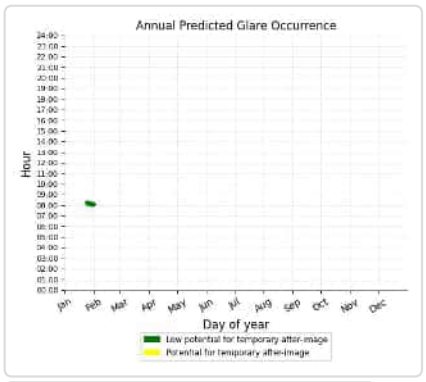


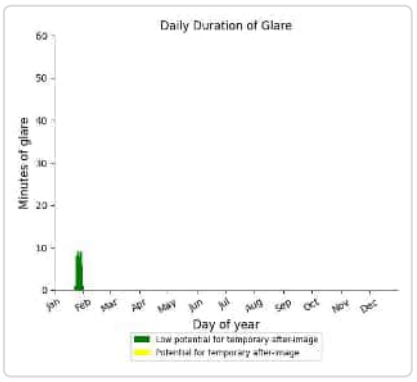


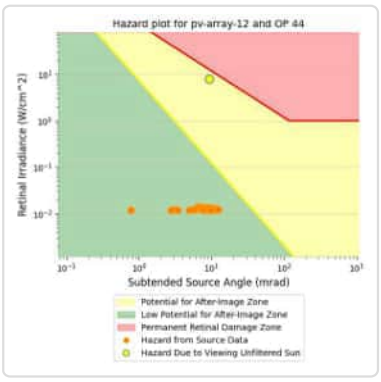
PV array 12: OP 44

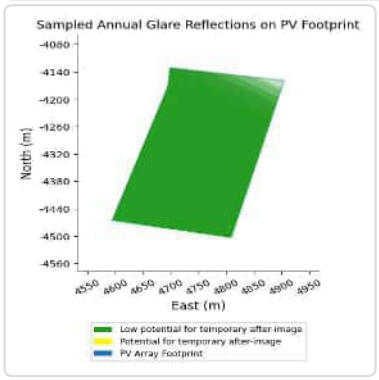
PV array is expected to produce the following glare for this receptor:

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





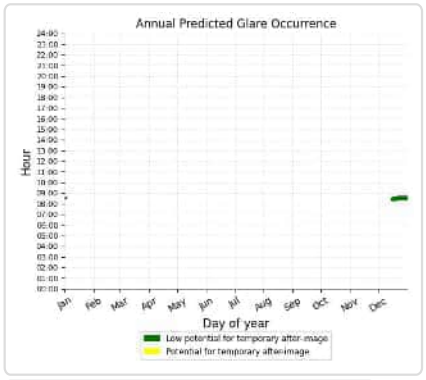


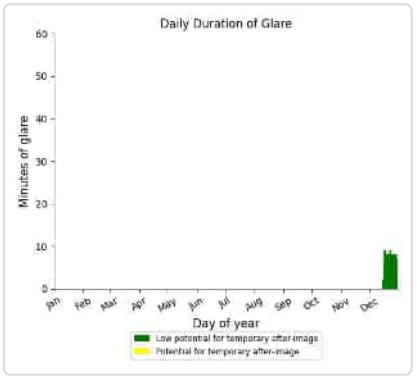


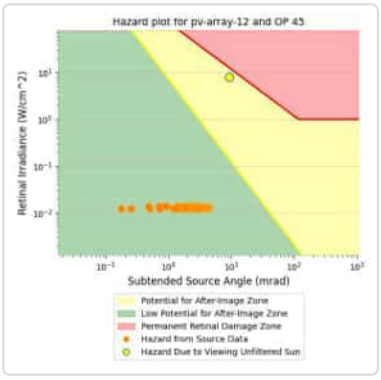
PV array 12: OP 45

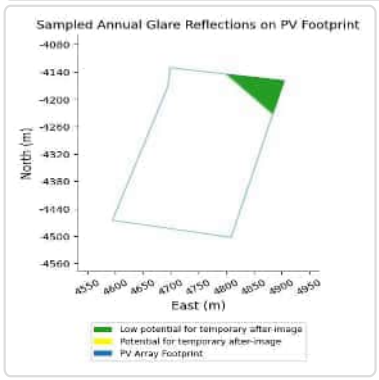
PV array is expected to produce the following glare for this receptor:

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









PV array 12: OP 46

No glare found

PV array 12: OP 47

No glare found

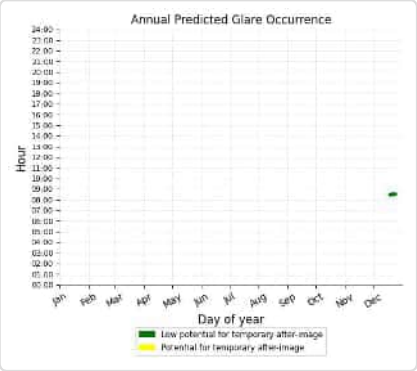
PV array 12: OP 48

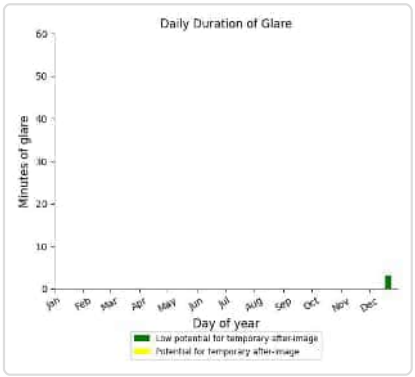
No glare found

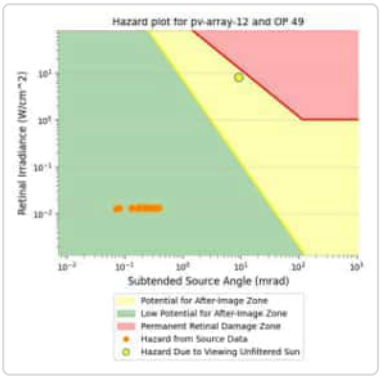
PV array 12: OP 49

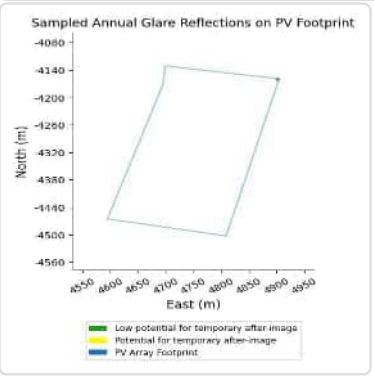
PV array is expected to produce the following glare for this receptor:

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









PV array 12: OP 50

No glare found

PV array 12: OP 51

No glare found

PV array 12: OP 52

No glare found

PV array 12: OP 53

No glare found

PV array 12: OP 54

No glare found

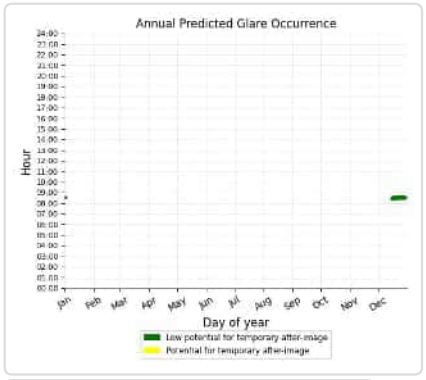
PV array 12: OP 55

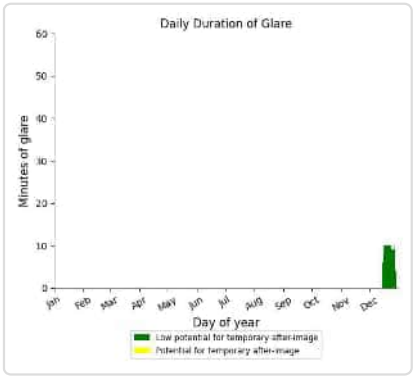
No glare found

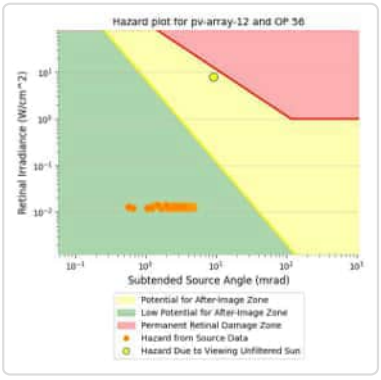
PV array 12: OP 56

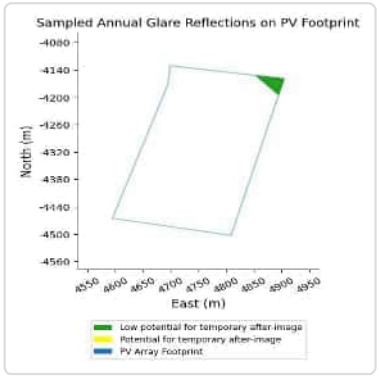
PV array is expected to produce the following glare for this receptor:

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





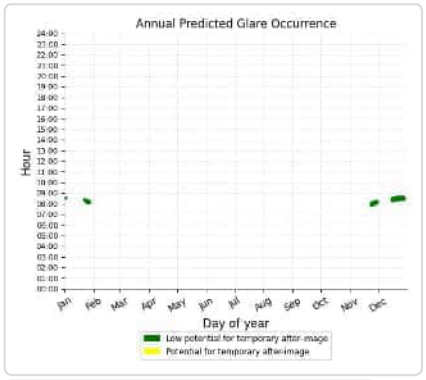


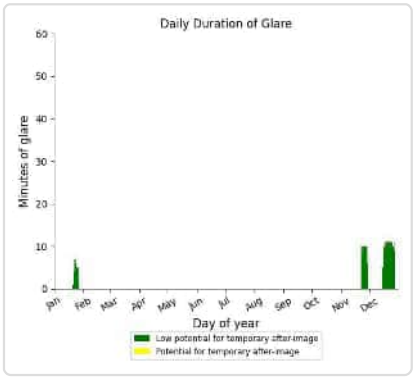


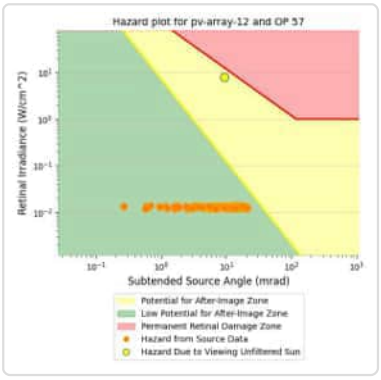
PV array 12: OP 57

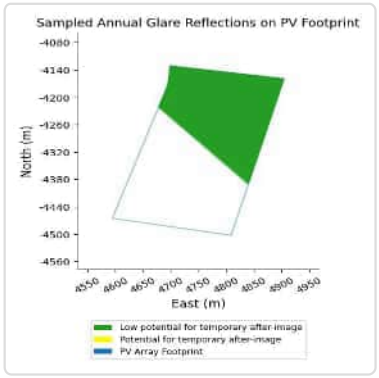
PV array is expected to produce the following glare for this receptor:

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





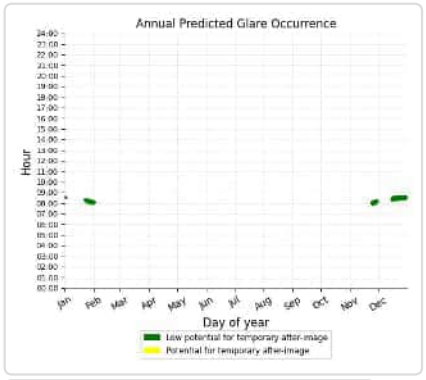


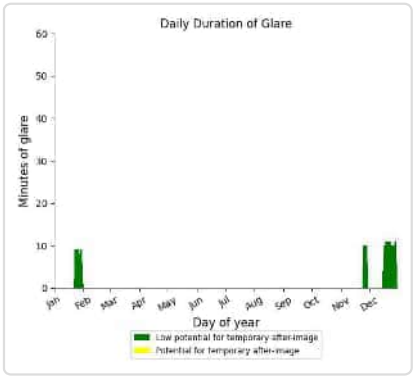


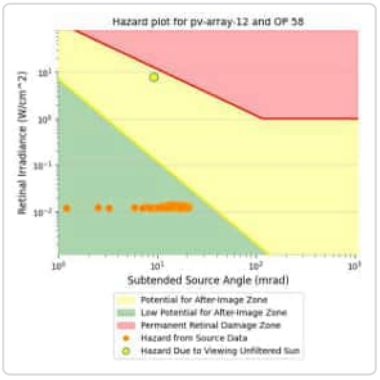
PV array 12: OP 58

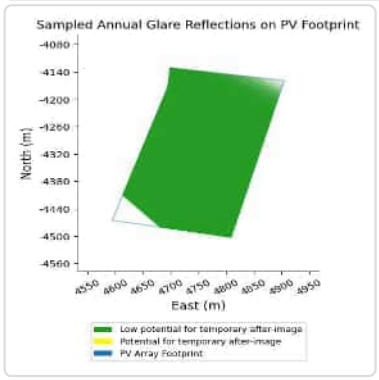
PV array is expected to produce the following glare for this receptor:

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





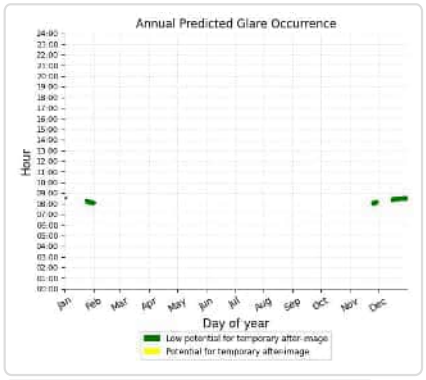


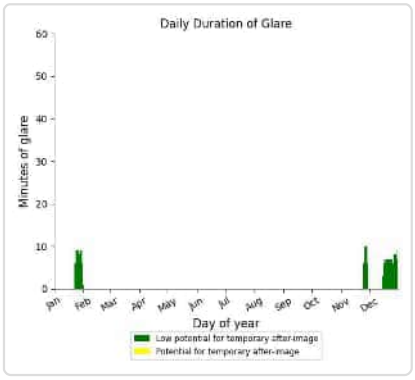


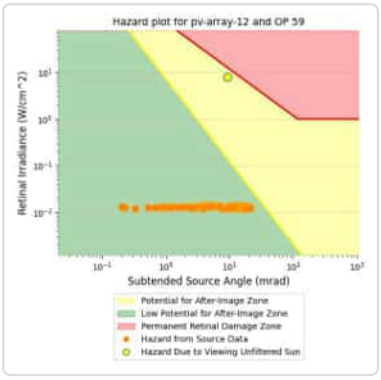
PV array 12: OP 59

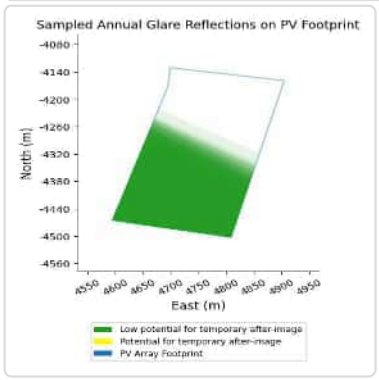
PV array is expected to produce the following glare for this receptor:

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





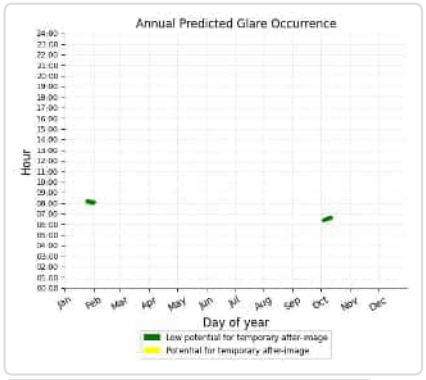


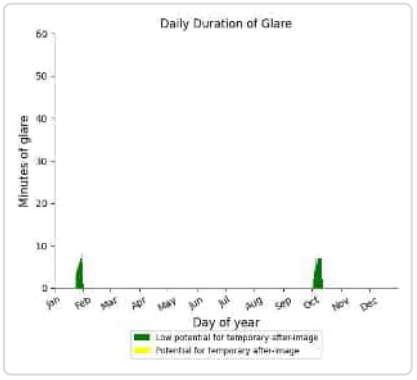


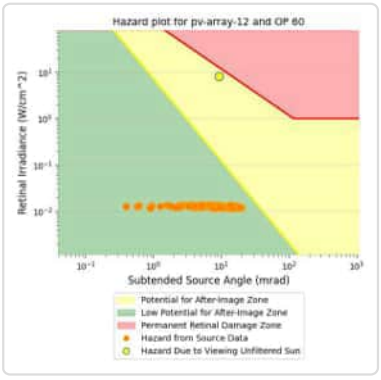
PV array 12: OP 60

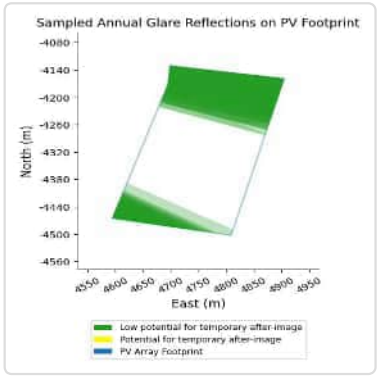
PV array is expected to produce the following glare for this receptor:

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





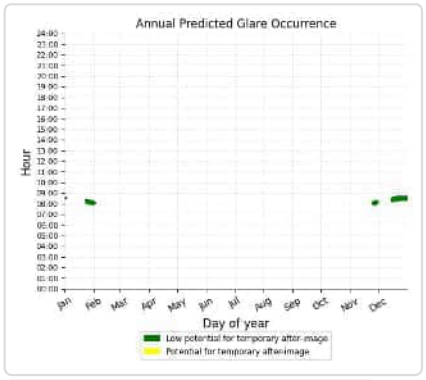


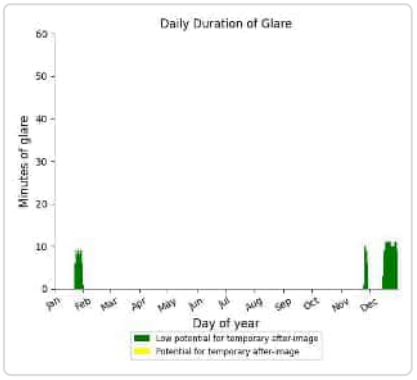


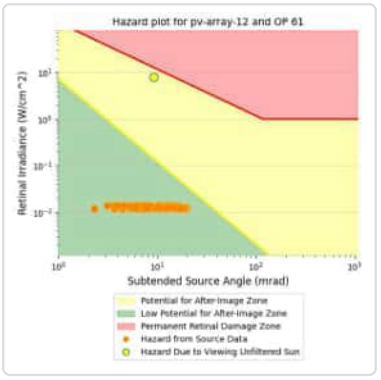
PV array 12: OP 61

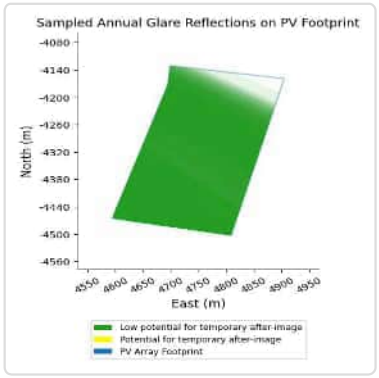
PV array is expected to produce the following glare for this receptor:

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





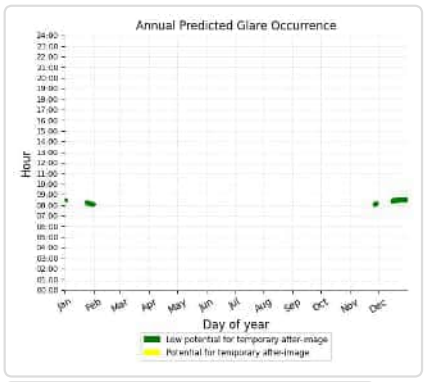


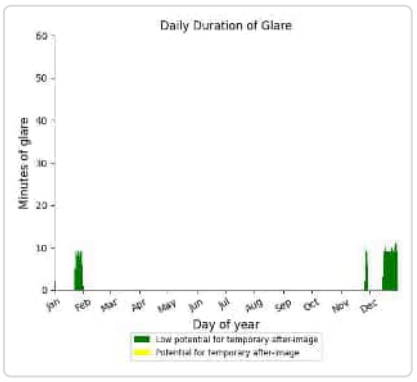


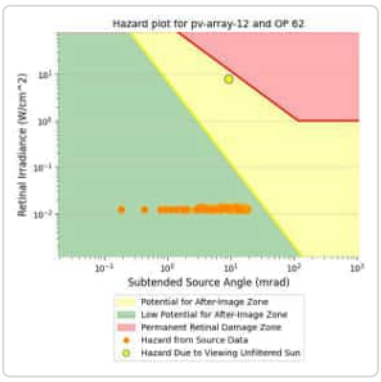
PV array 12: OP 62

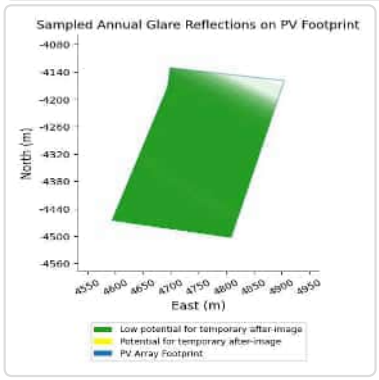
PV array is expected to produce the following glare for this receptor:

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





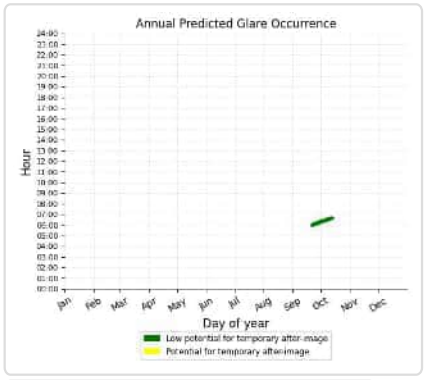


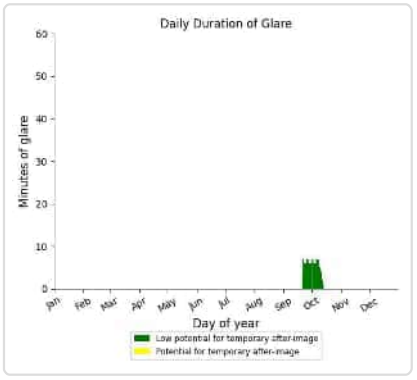


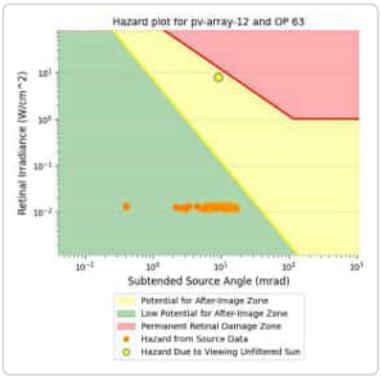
PV array 12: OP 63

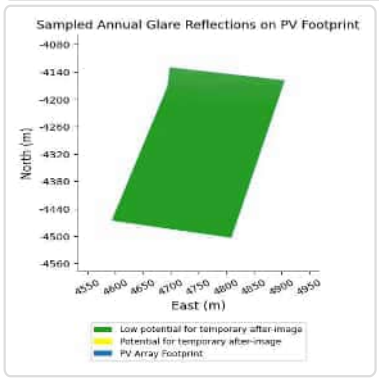
PV array is expected to produce the following glare for this receptor:

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





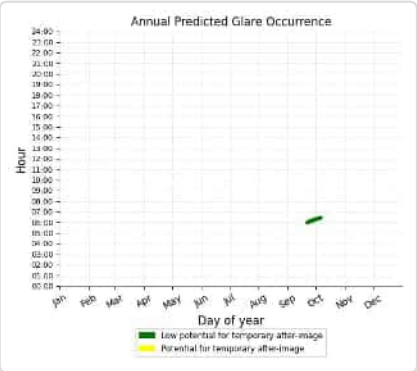


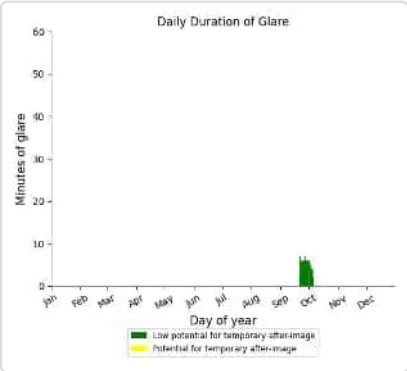


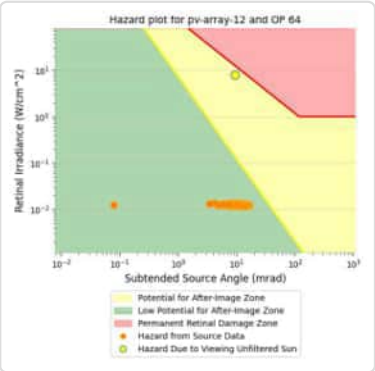
PV array 12: OP 64

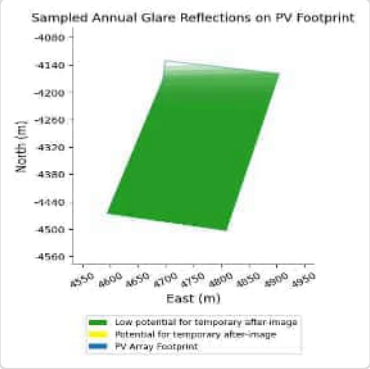
PV array is expected to produce the following glare for this receptor:

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









PV array 12: OP 65

No glare found

PV array 12: OP 66

No glare found

PV array 12: OP 67

No glare found

PV array 12: OP 68

No glare found

PV array 12: OP 69

No glare found

PV array 12: OP 70

No glare found

PV array 12: OP 71

No glare found

PV array 12: OP 72

No glare found

PV array 12: OP 73

No glare found

PV array 12: OP 74

No glare found

PV array 12: OP 75

No glare found

PV array 12: OP 76

No glare found

PV array 12: OP 77

No glare found

PV array 12: OP 78

No glare found

PV array 12: OP 79

No glare found

PV array 13 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0

OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	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	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
OP: OP 52	0	0
OP: OP 53	99	0
OP: OP 54	93	0
OP: OP 55	71	0
OP: OP 56	71	0
OP: OP 57	93	0
OP: OP 58	84	0
OP: OP 59	85	0
OP: OP 60	125	0
OP: OP 61	91	0
OP: OP 62	74	0
OP: OP 63	45	0
OP: OP 64	75	0
OP: OP 65	886	101
OP: OP 66	880	753
OP: OP 67	56117	17342
OP: OP 68	1775	8951
OP: OP 69	17077	13598
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	408	0
OP: OP 73	166	0
OP: OP 74	159	0
OP: OP 75	169	0
OP: OP 76	135	0
OP: OP 77	142	0
OP: OP 78	353	0
OP: OP 79	318	0

PV array 13: OP 1

No glare found

PV array 13: OP 2
No glare found

PV array 13: OP 3
No glare found

PV array 13: OP 4
No glare found

PV array 13: OP 5
No glare found

PV array 13: OP 6
No glare found

PV array 13: OP 7
No glare found

PV array 13: OP 8
No glare found

PV array 13: OP 9
No glare found

PV array 13: OP 10
No glare found

PV array 13: OP 11
No glare found

PV array 13: OP 12
No glare found

PV array 13: OP 13
No glare found

PV array 13: OP 14
No glare found

PV array 13: OP 15
No glare found

PV array 13: OP 16
No glare found

PV array 13: OP 17
No glare found

PV array 13: OP 18
No glare found

PV array 13: OP 19
No glare found

PV array 13: OP 20
No glare found

PV array 13: OP 21
No glare found

PV array 13: OP 22
No glare found

PV array 13: OP 23
No glare found

PV array 13: OP 24
No glare found

PV array 13: OP 25
No glare found

PV array 13: OP 26
No glare found

PV array 13: OP 27
No glare found

PV array 13: OP 28
No glare found

PV array 13: OP 29
No glare found

PV array 13: OP 30
No glare found

PV array 13: OP 31
No glare found

PV array 13: OP 32
No glare found

PV array 13: OP 33
No glare found

PV array 13: OP 34
No glare found

PV array 13: OP 35
No glare found

PV array 13: OP 36
No glare found

PV array 13: OP 37
No glare found

PV array 13: OP 38
No glare found

PV array 13: OP 39
No glare found

PV array 13: OP 40
No glare found

PV array 13: OP 41
No glare found

PV array 13: OP 42
No glare found

PV array 13: OP 43
No glare found

PV array 13: OP 44
No glare found

PV array 13: OP 45
No glare found

PV array 13: OP 46
No glare found

PV array 13: OP 47
No glare found

PV array 13: OP 48
No glare found

PV array 13: OP 49
No glare found

PV array 13: OP 50

No glare found

PV array 13: OP 51

No glare found

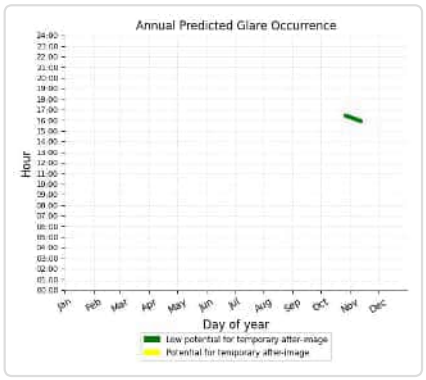
PV array 13: OP 52

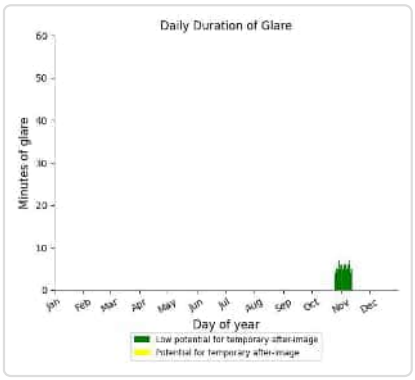
No glare found

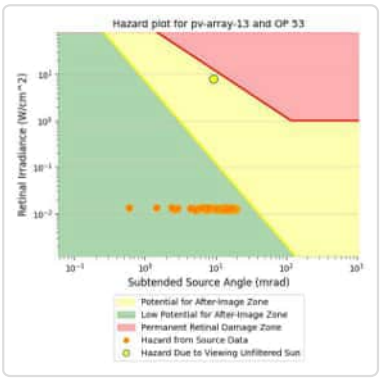
PV array 13: OP 53

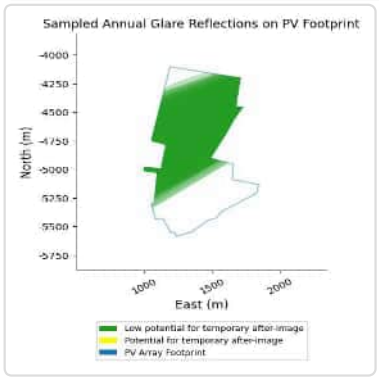
PV array is expected to produce the following glare for this receptor:

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





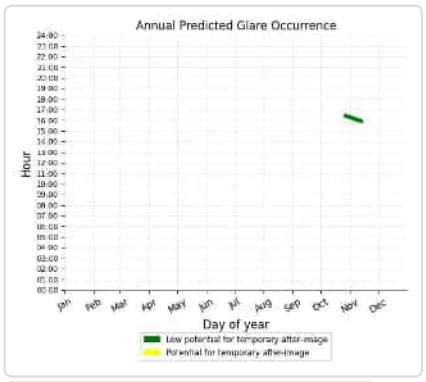


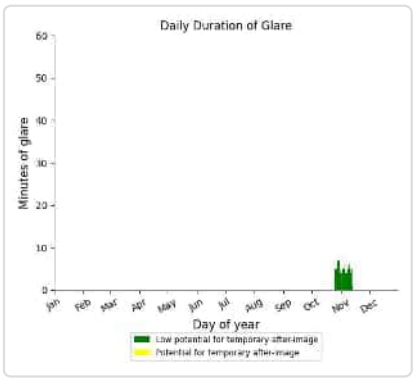


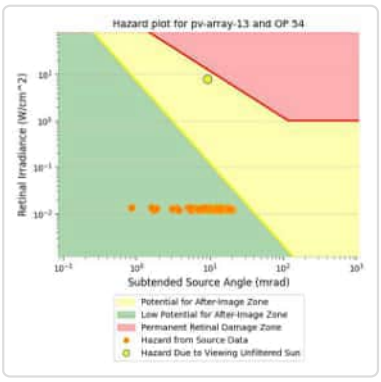
PV array 13: OP 54

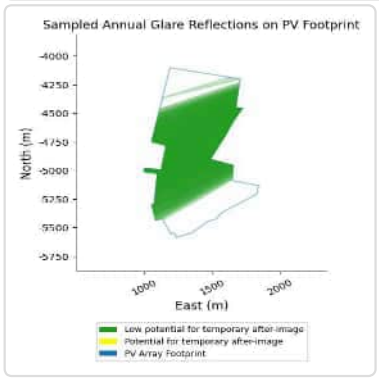
PV array is expected to produce the following glare for this receptor:

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





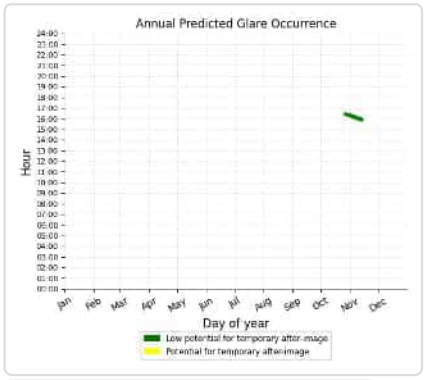


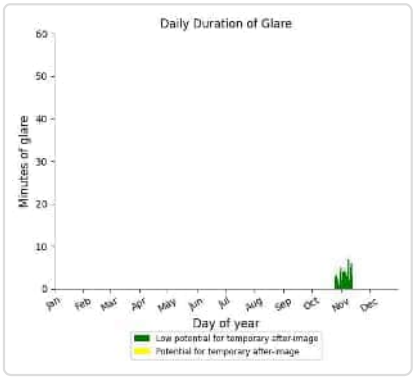


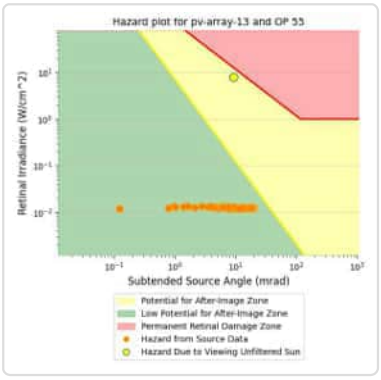
PV array 13: OP 55

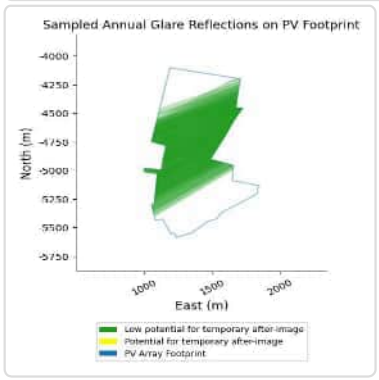
PV array is expected to produce the following glare for this receptor:

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





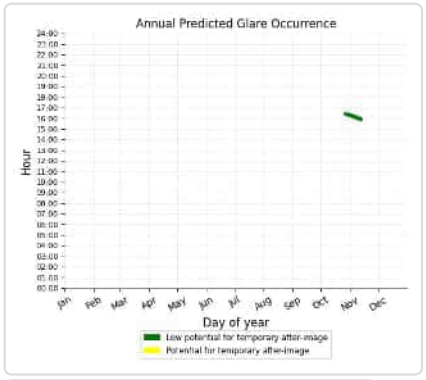


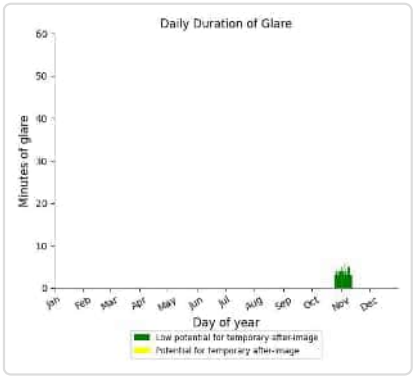


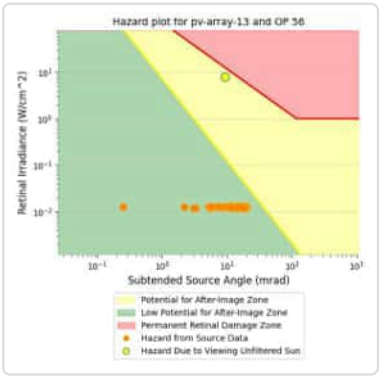
PV array 13: OP 56

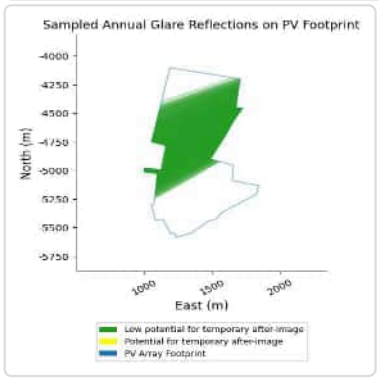
PV array is expected to produce the following glare for this receptor:

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





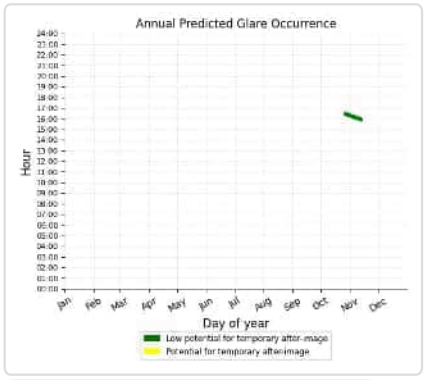


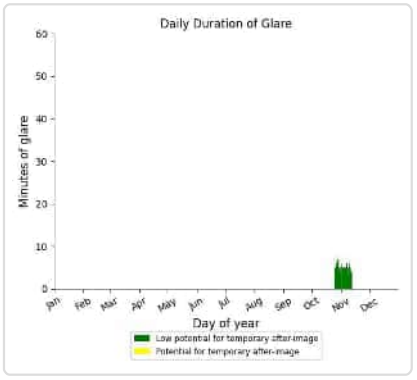


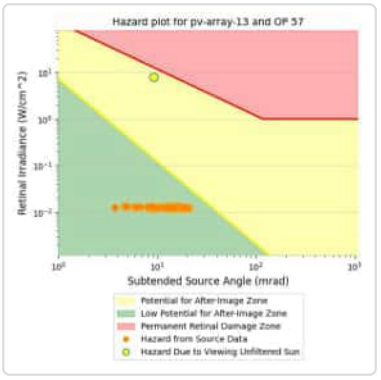
PV array 13: OP 57

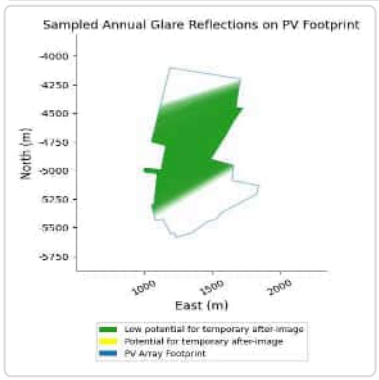
PV array is expected to produce the following glare for this receptor:

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





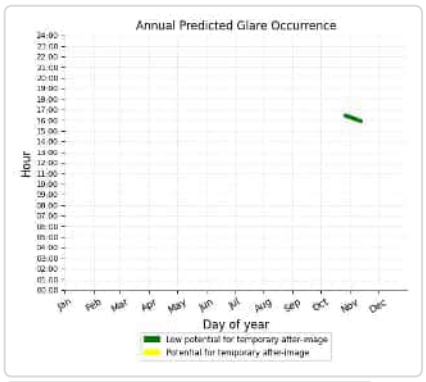


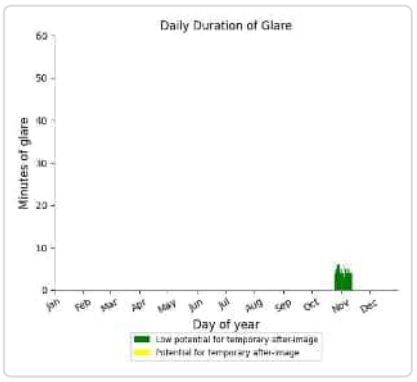


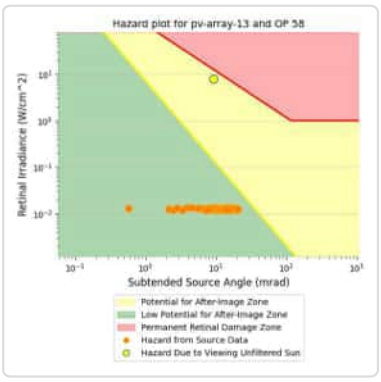
PV array 13: OP 58

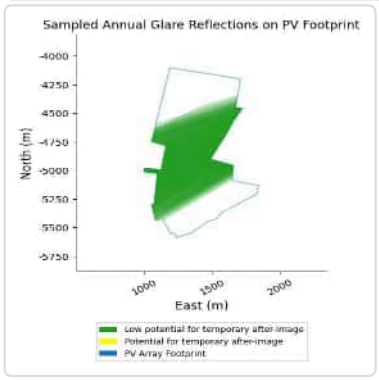
PV array is expected to produce the following glare for this receptor:

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





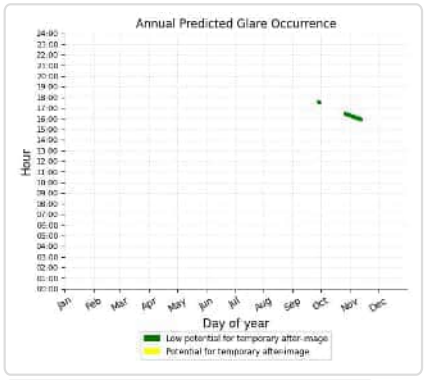


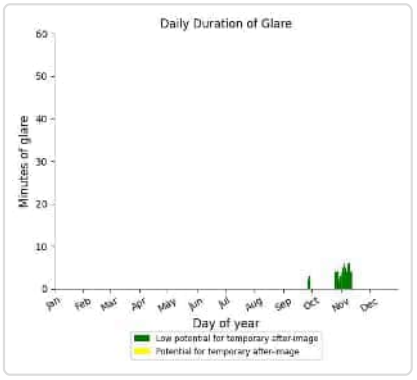


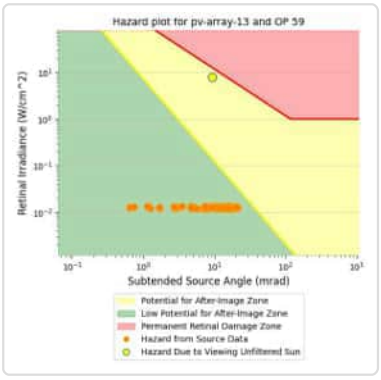
PV array 13: OP 59

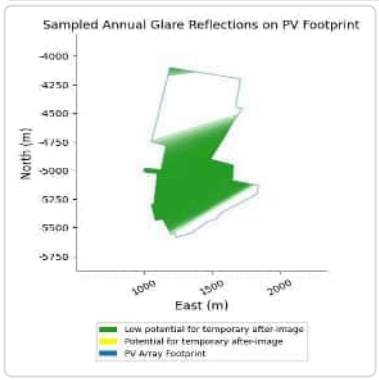
PV array is expected to produce the following glare for this receptor:

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





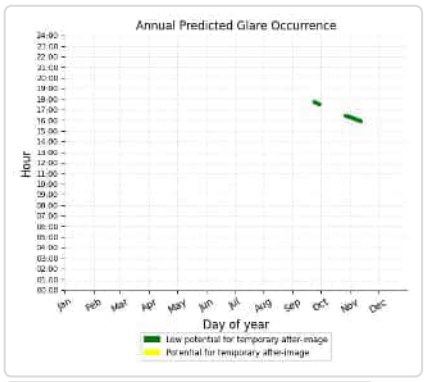


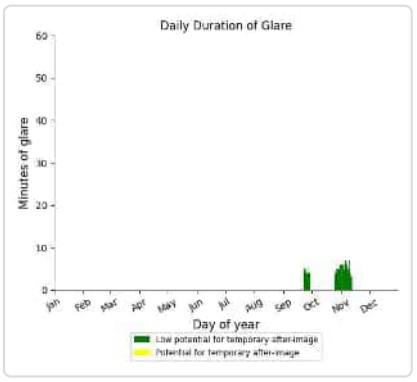


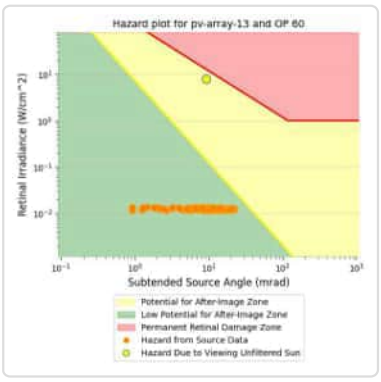
PV array 13: OP 60

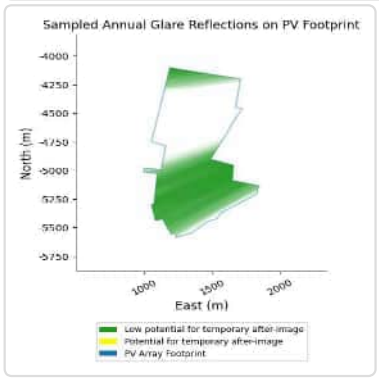
PV array is expected to produce the following glare for this receptor:

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





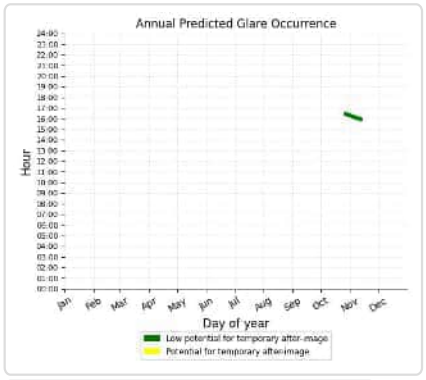


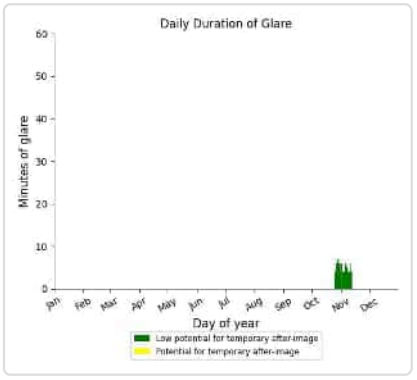


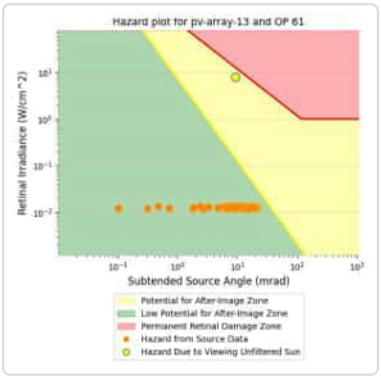
PV array 13: OP 61

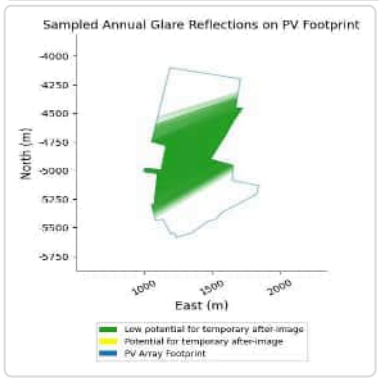
PV array is expected to produce the following glare for this receptor:

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





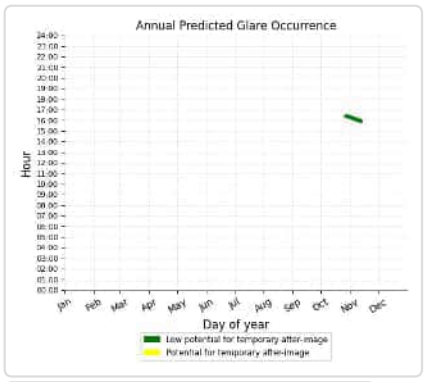


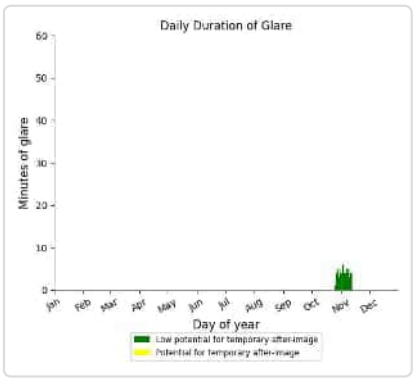


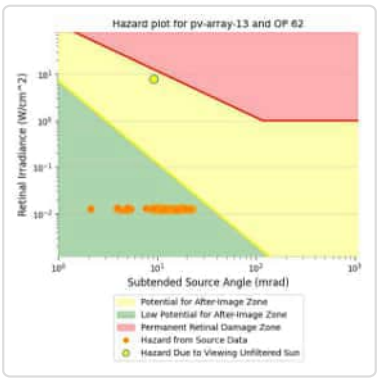
PV array 13: OP 62

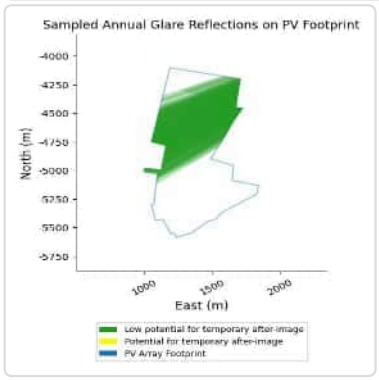
PV array is expected to produce the following glare for this receptor:

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





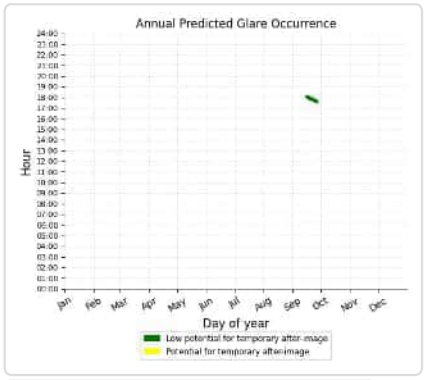


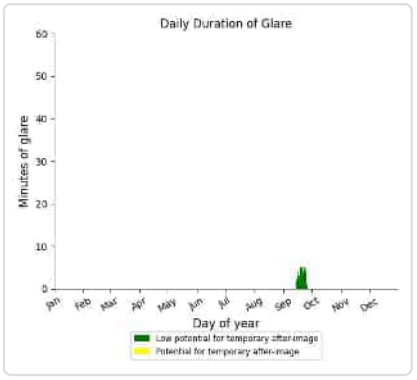


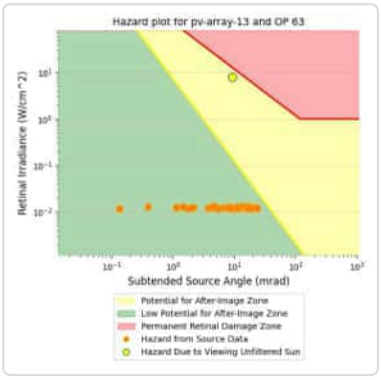
PV array 13: OP 63

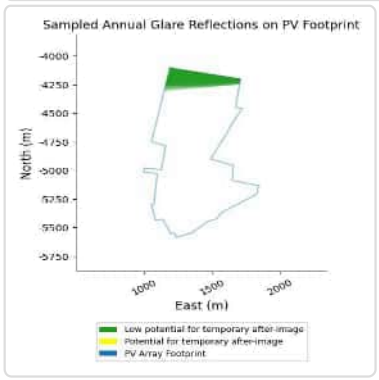
PV array is expected to produce the following glare for this receptor:

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





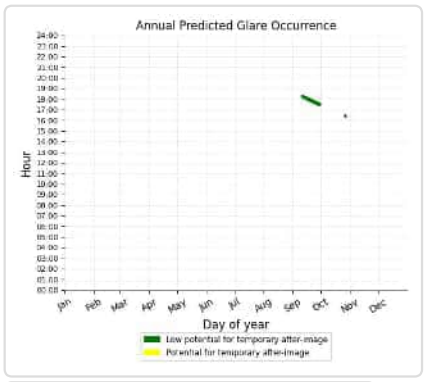


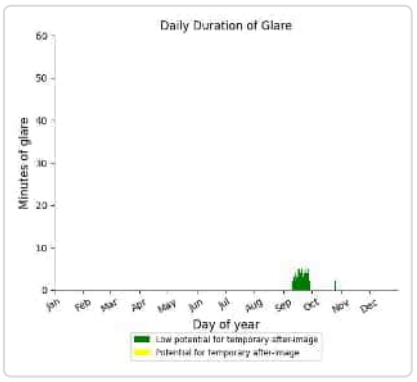


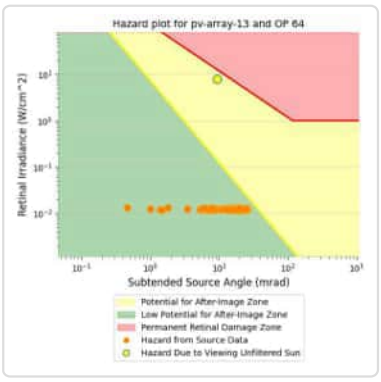
PV array 13: OP 64

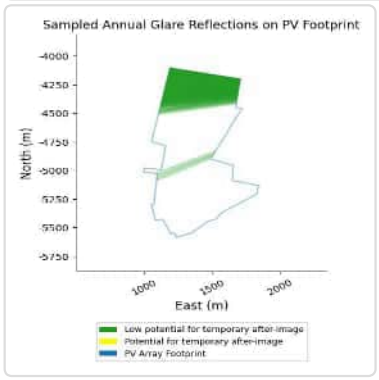
PV array is expected to produce the following glare for this receptor:

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





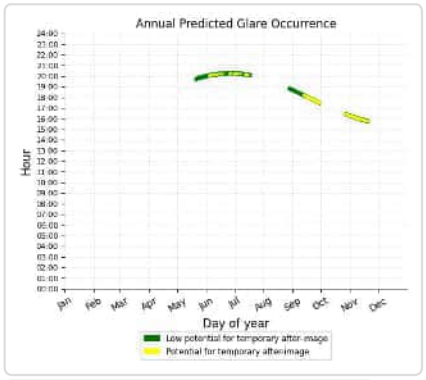


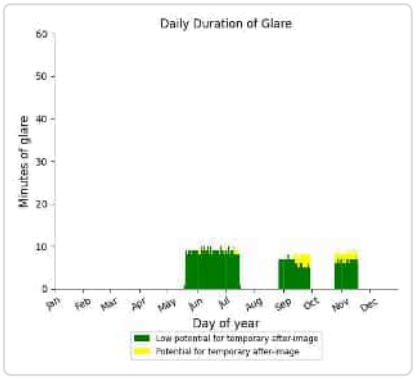


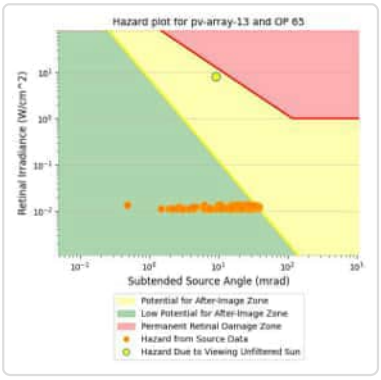
PV array 13: OP 65

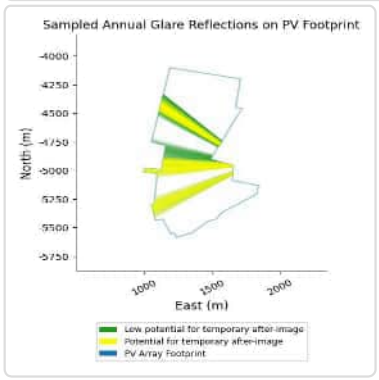
PV array is expected to produce the following glare for this receptor:

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





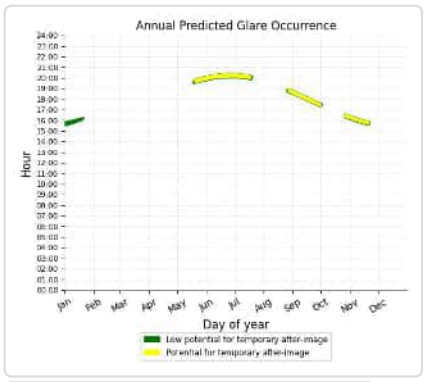


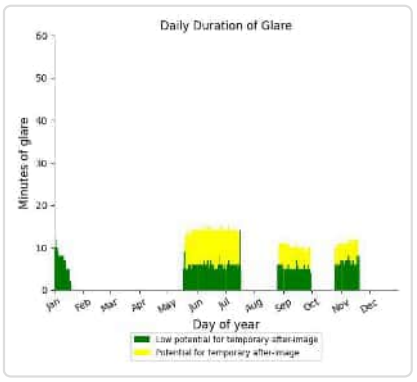


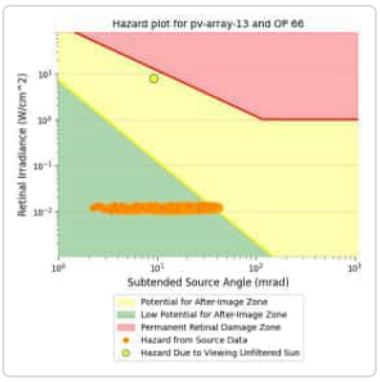
PV array 13: OP 66

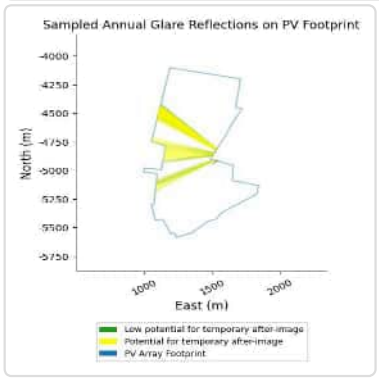
PV array is expected to produce the following glare for this receptor:

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





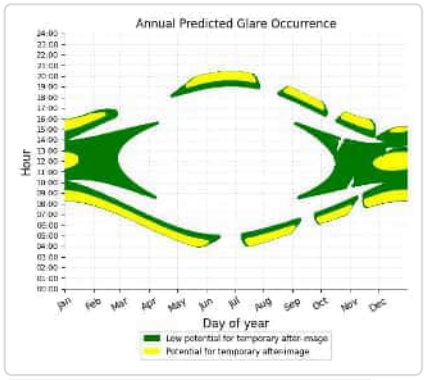


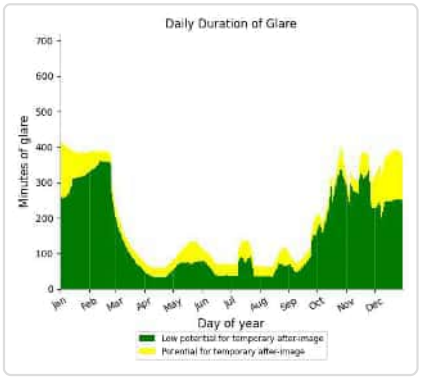


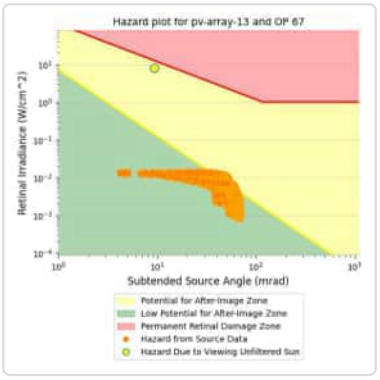
PV array 13: OP 67

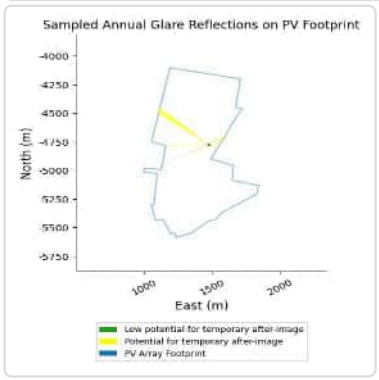
PV array is expected to produce the following glare for this receptor:

- 56,117 minutes of "green" glare with low potential to cause temporary after-image.
- 17,342 minutes of "yellow" glare with potential to cause temporary after-image.





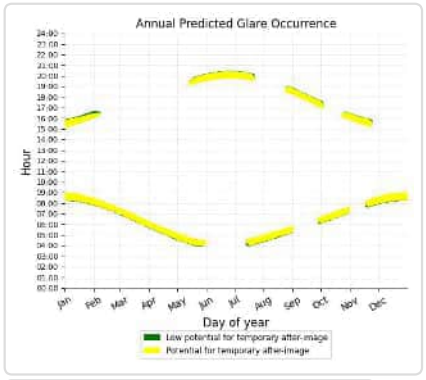


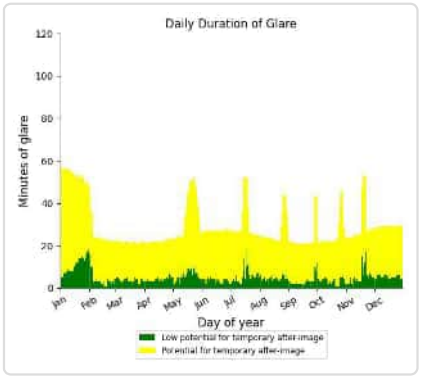


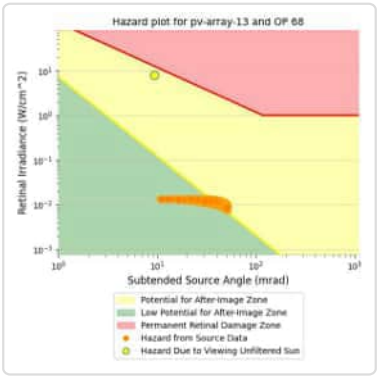
PV array 13: OP 68

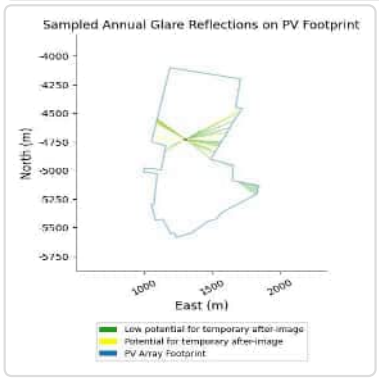
PV array is expected to produce the following glare for this receptor:

- 1,775 minutes of "green" glare with low potential to cause temporary after-image.
- 8,951 minutes of "yellow" glare with potential to cause temporary after-image.





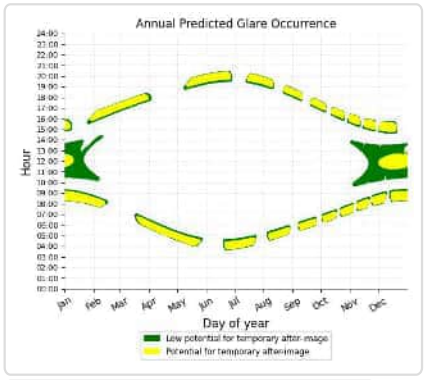


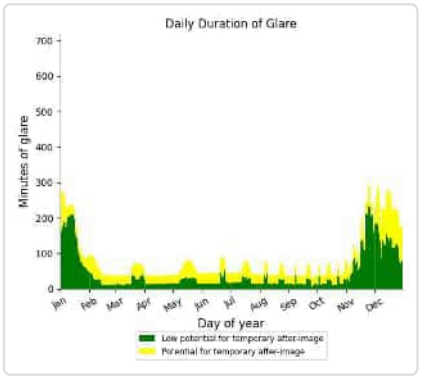


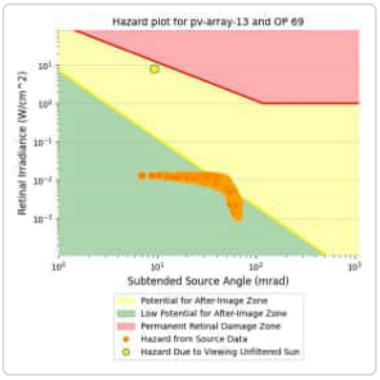
PV array 13: OP 69

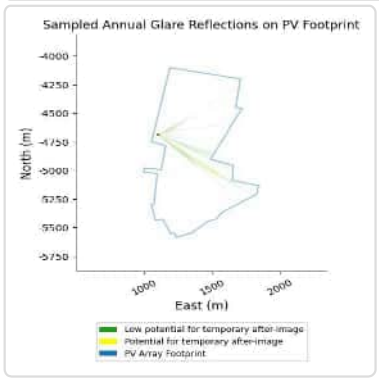
PV array is expected to produce the following glare for this receptor:

- 17,077 minutes of "green" glare with low potential to cause temporary after-image.
- 13,598 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 13: OP 70

No glare found

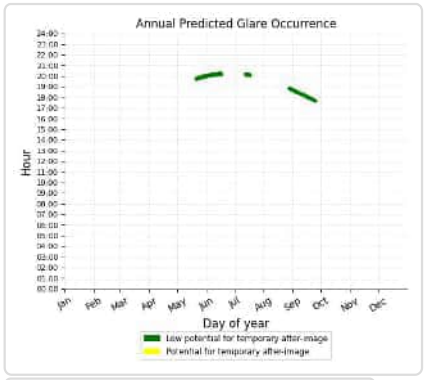
PV array 13: OP 71

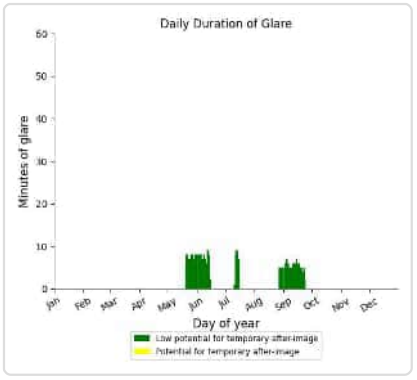
No glare found

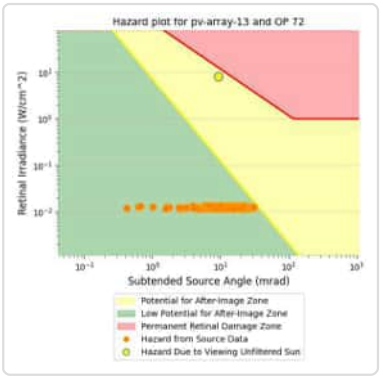
PV array 13: OP 72

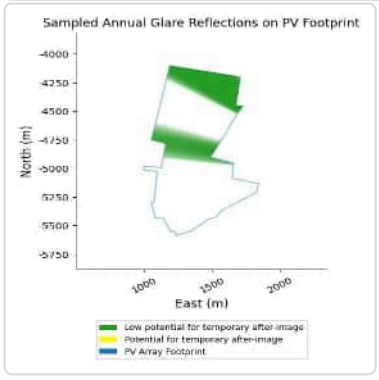
PV array is expected to produce the following glare for this receptor:

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





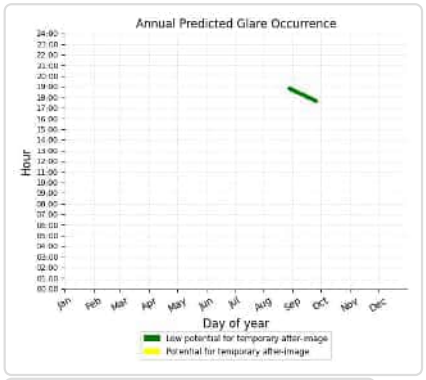


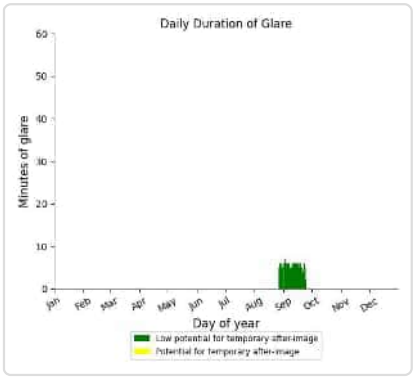


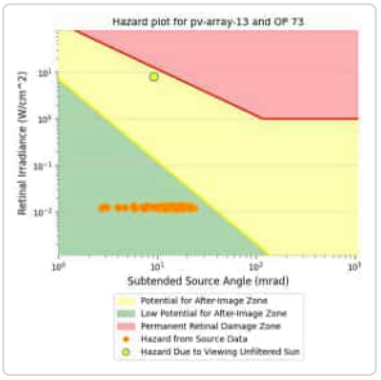
PV array 13: OP 73

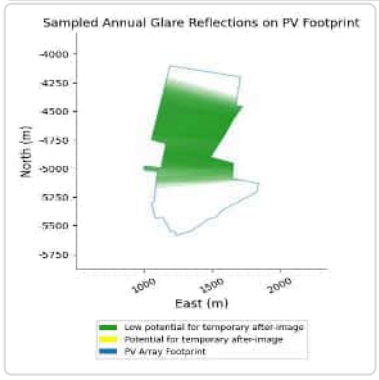
PV array is expected to produce the following glare for this receptor:

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





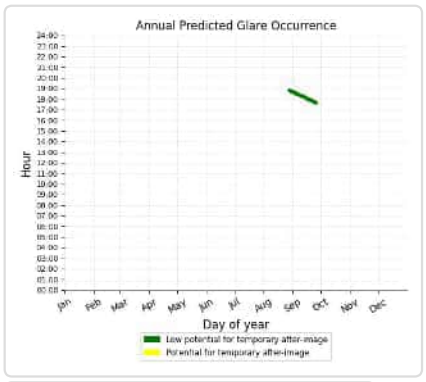


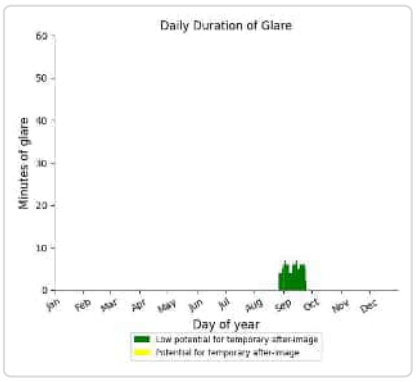


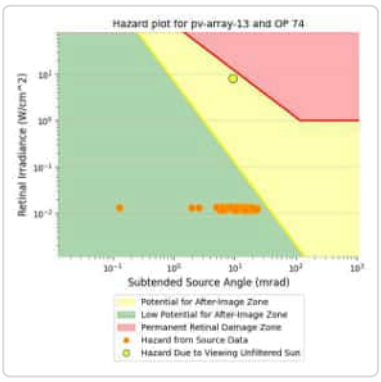
PV array 13: OP 74

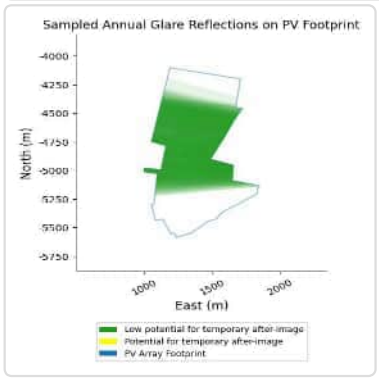
PV array is expected to produce the following glare for this receptor:

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





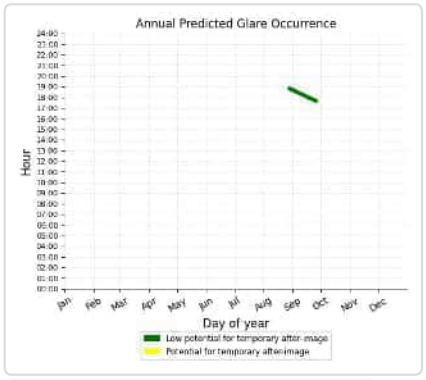


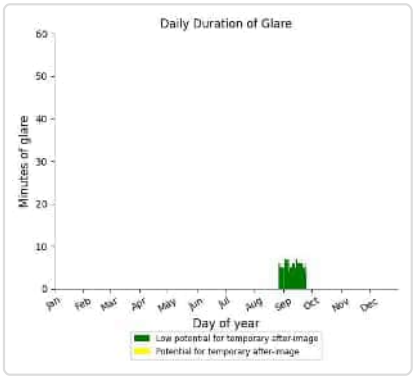


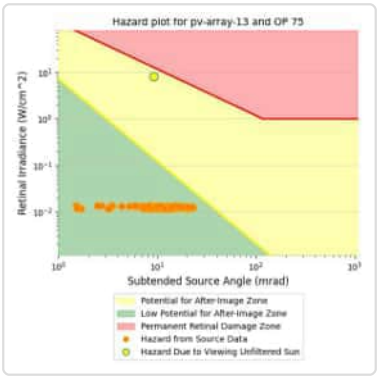
PV array 13: OP 75

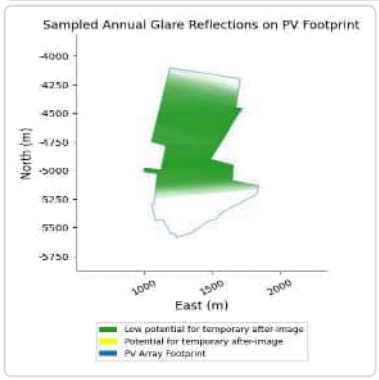
PV array is expected to produce the following glare for this receptor:

- 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.





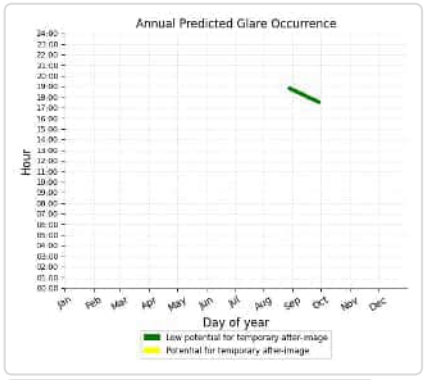


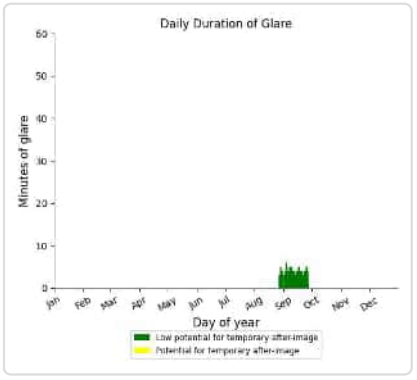


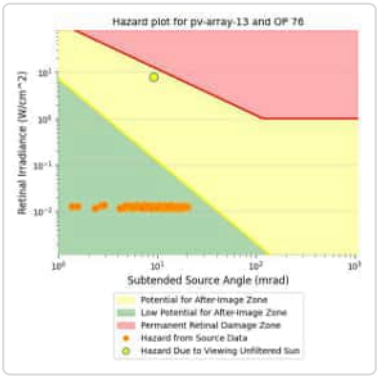
PV array 13: OP 76

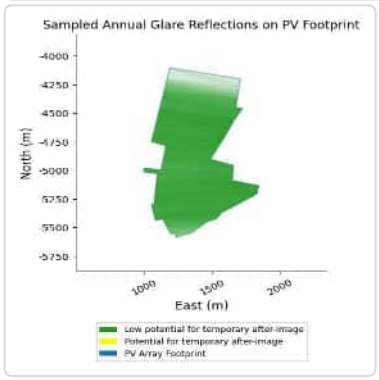
PV array is expected to produce the following glare for this receptor:

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





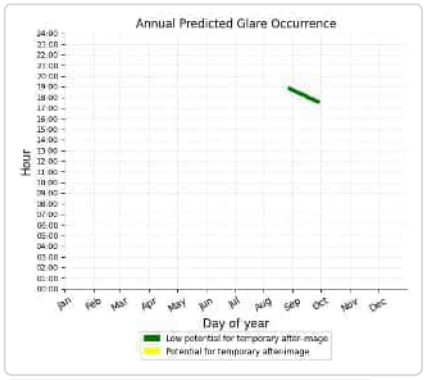


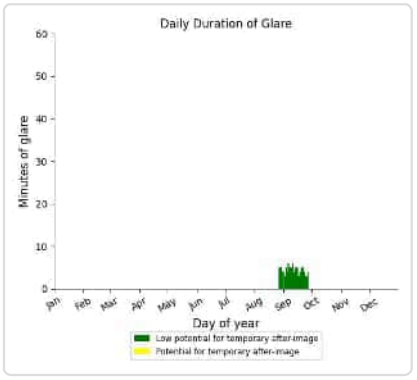


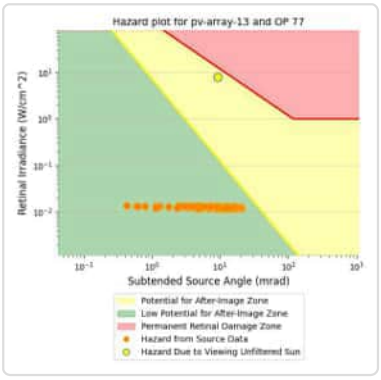
PV array 13: OP 77

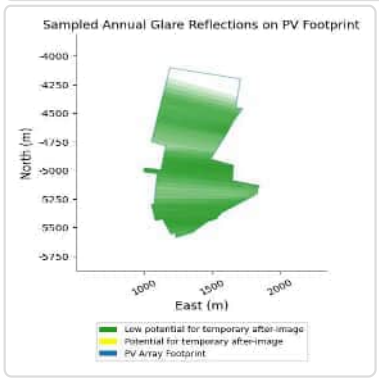
PV array is expected to produce the following glare for this receptor:

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





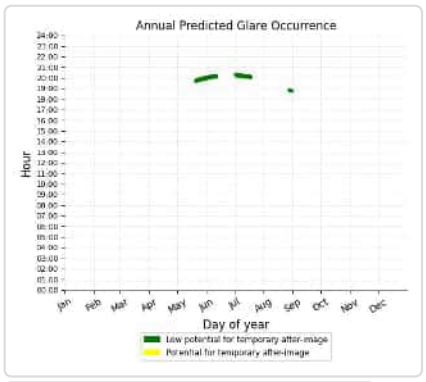


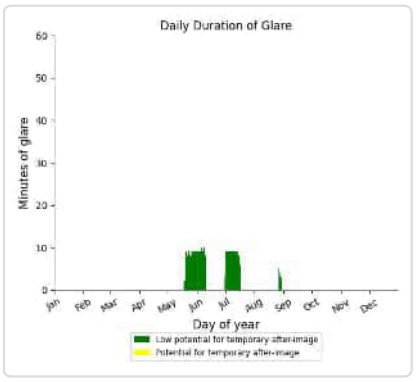


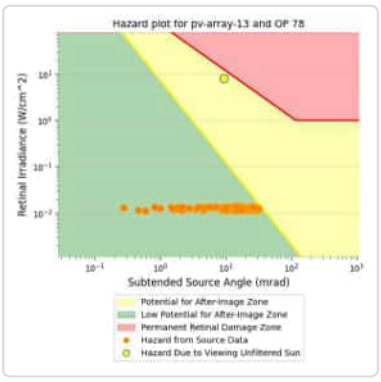
PV array 13: OP 78

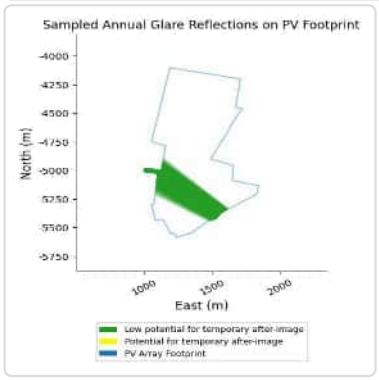
PV array is expected to produce the following glare for this receptor:

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





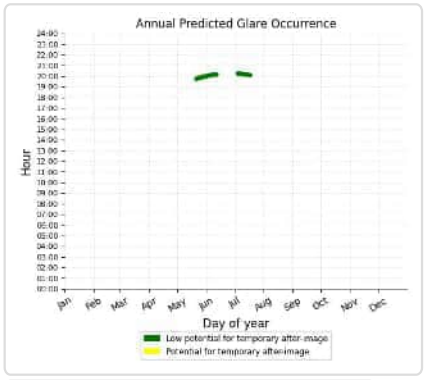


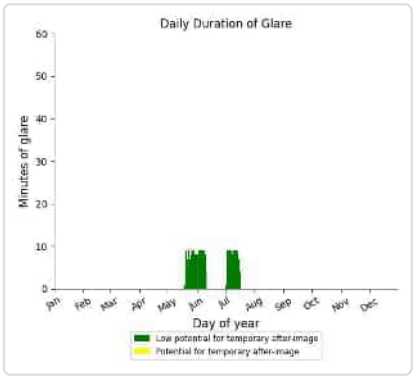


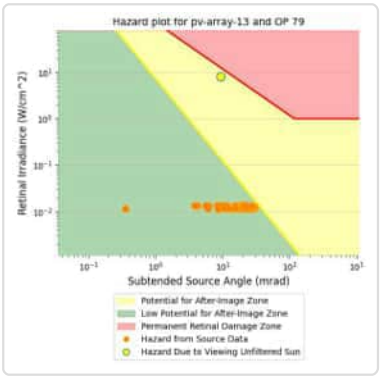
PV array 13: OP 79

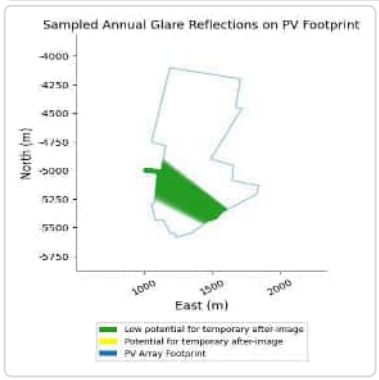
PV array is expected to produce the following glare for this receptor:

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









PV array 14 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)

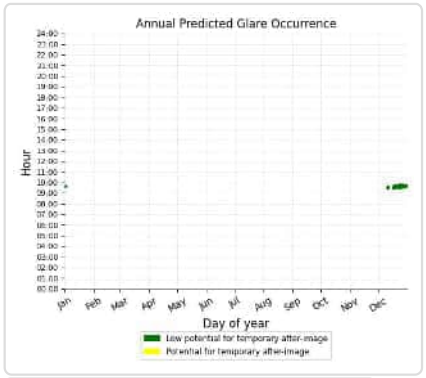
OP: OP 1	123	0
OP: OP 2	194	0
OP: OP 3	281	0
OP: OP 4	262	0
OP: OP 5	314	0
OP: OP 6	431	0
OP: OP 7	708	0
OP: OP 8	962	0
OP: OP 9	1089	0
OP: OP 10	1364	0
OP: OP 11	2012	0
OP: OP 12	2344	0
OP: OP 13	2068	0
OP: OP 14	1198	0
OP: OP 15	1277	0
OP: OP 16	1637	0
OP: OP 17	2370	0
OP: OP 18	2367	0
OP: OP 19	2393	0
OP: OP 20	1589	0
OP: OP 21	2271	0
OP: OP 22	730	0
OP: OP 23	651	0
OP: OP 24	506	0
OP: OP 25	551	0
OP: OP 26	336	0
OP: OP 27	153	0
OP: OP 28	42	0
OP: OP 29	27	0
OP: OP 30	27	0
OP: OP 31	250	0
OP: OP 32	522	0
OP: OP 33	765	0
OP: OP 34	1085	0
OP: OP 35	1206	0
OP: OP 36	1685	0
OP: OP 37	2140	0
OP: OP 38	2147	0
OP: OP 39	1900	0
OP: OP 40	1918	111
OP: OP 41	647	0
OP: OP 42	610	0
OP: OP 43	620	0
OP: OP 44	998	0
OP: OP 45	556	0
OP: OP 46	205	0
OP: OP 47	197	0
OP: OP 48	616	17
OP: OP 49	313	0
OP: OP 50	178	0
OP: OP 51	258	0
OP: OP 52	388	0
OP: OP 53	585	0
OP: OP 54	558	0

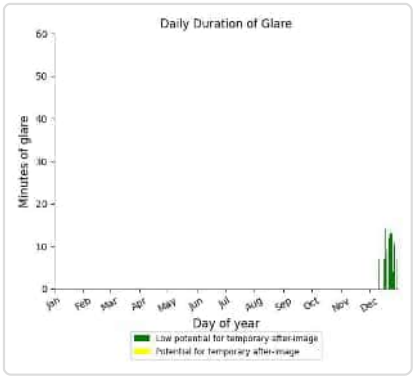
OP: OP 55	561	0
OP: OP 56	617	0
OP: OP 57	594	0
OP: OP 58	572	0
OP: OP 59	503	0
OP: OP 60	443	0
OP: OP 61	635	0
OP: OP 62	891	0
OP: OP 63	956	0
OP: OP 64	762	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	139	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

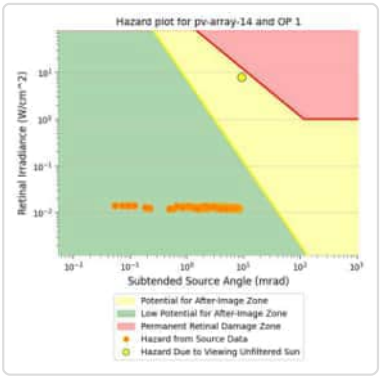
PV array 14: OP 1

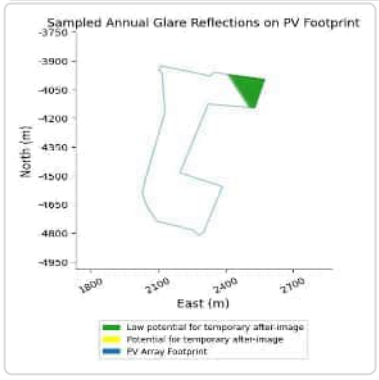
PV array is expected to produce the following glare for this receptor:

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





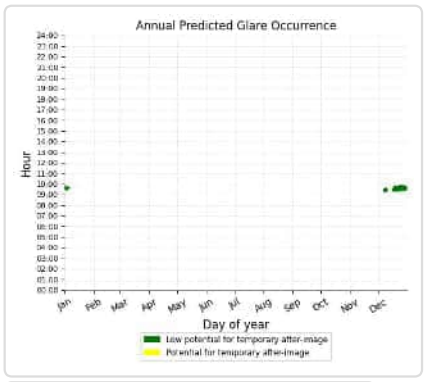


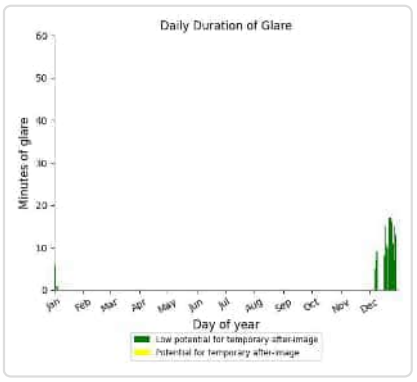


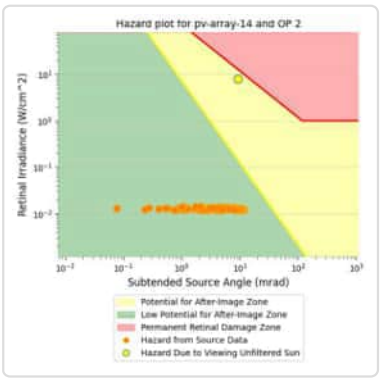
PV array 14: OP 2

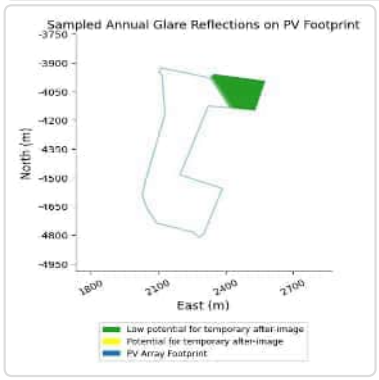
PV array is expected to produce the following glare for this receptor:

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





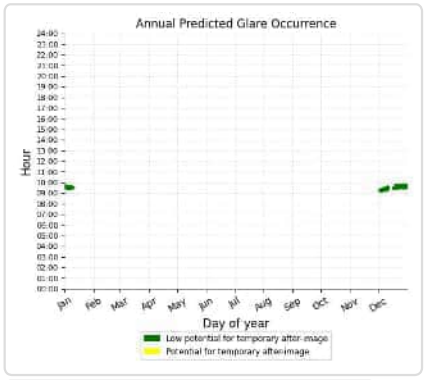


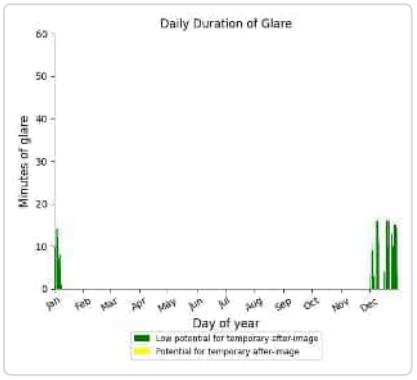


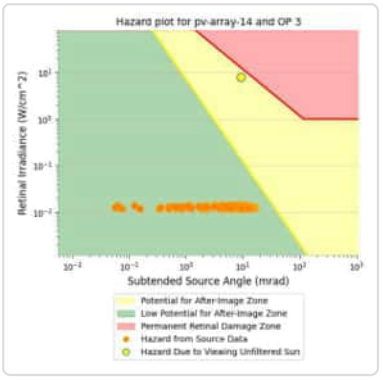
PV array 14: OP 3

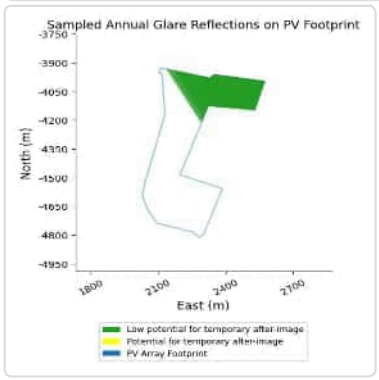
PV array is expected to produce the following glare for this receptor:

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





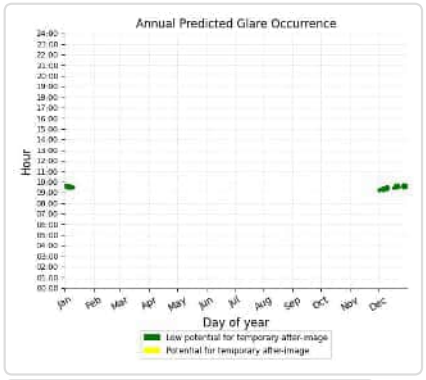


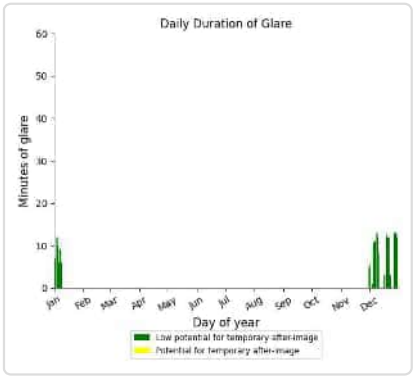


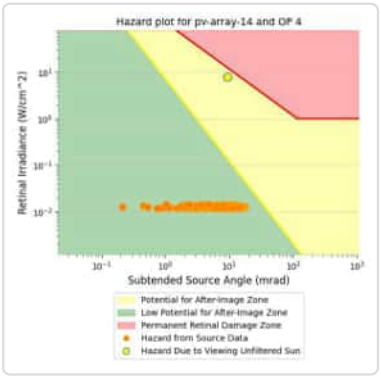
PV array 14: OP 4

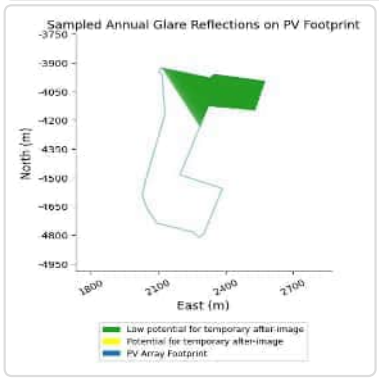
PV array is expected to produce the following glare for this receptor:

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





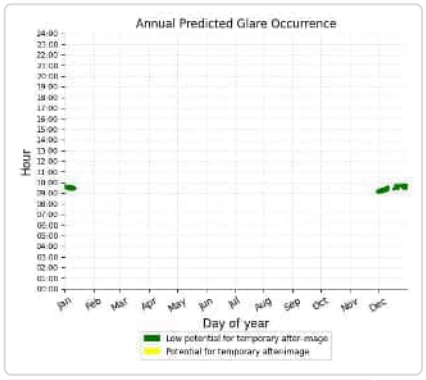


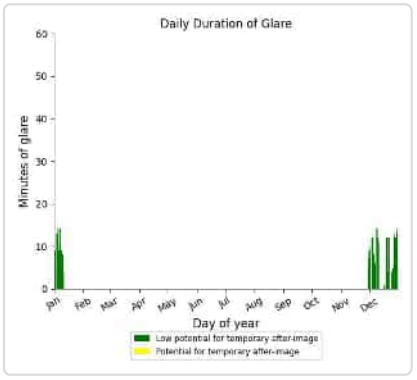


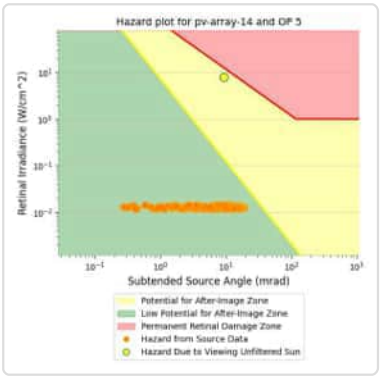
PV array 14: OP 5

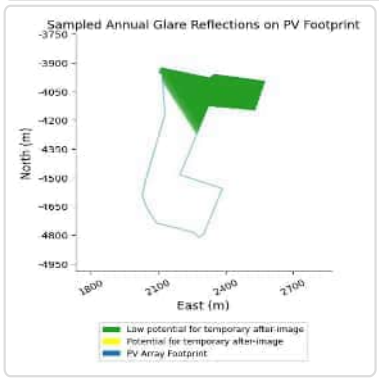
PV array is expected to produce the following glare for this receptor:

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





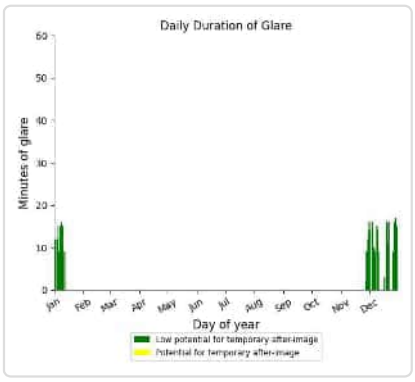


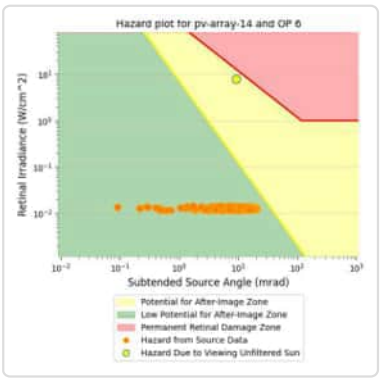


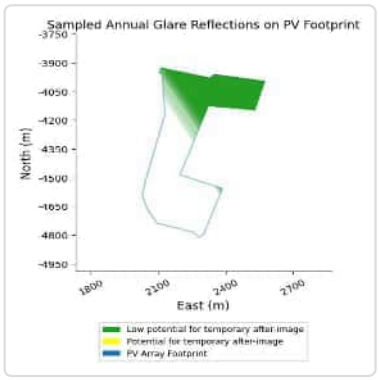
PV array 14: OP 6

PV array is expected to produce the following glare for this receptor:

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



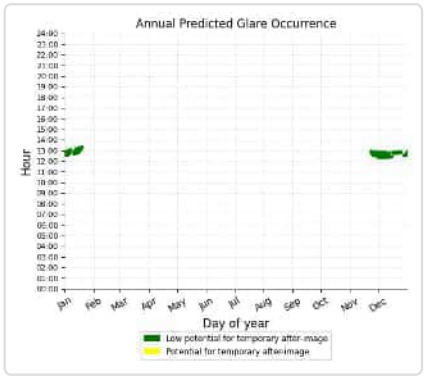


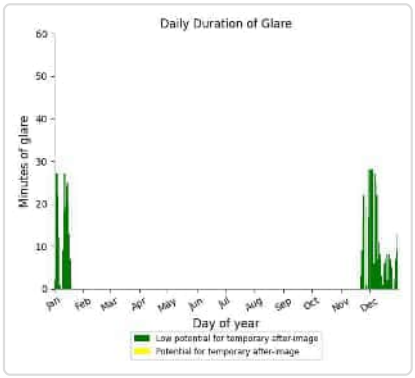


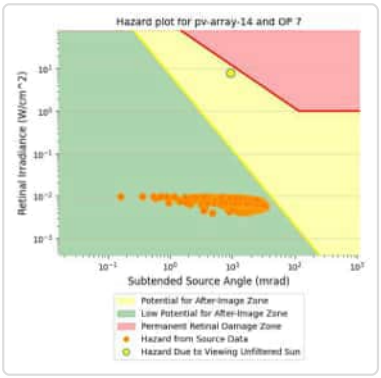
PV array 14: OP 7

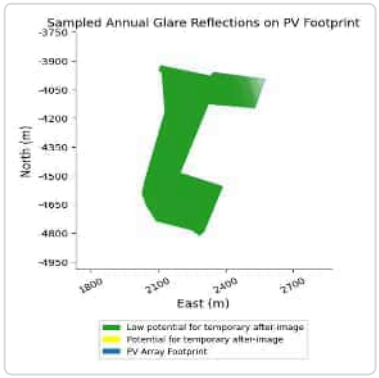
PV array is expected to produce the following glare for this receptor:

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





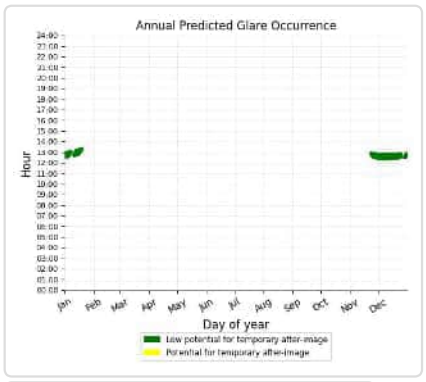


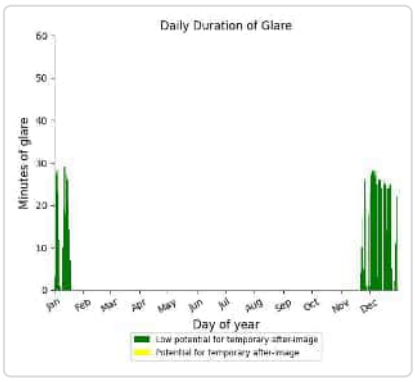


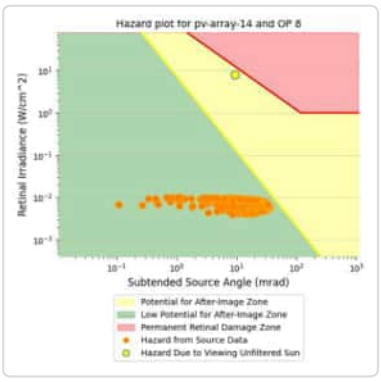
PV array 14: OP 8

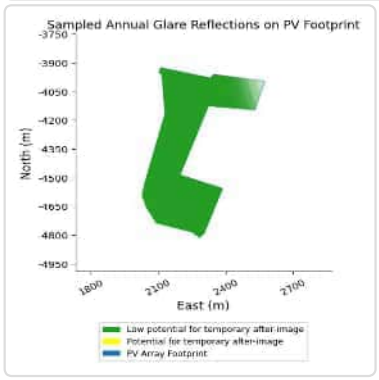
PV array is expected to produce the following glare for this receptor:

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





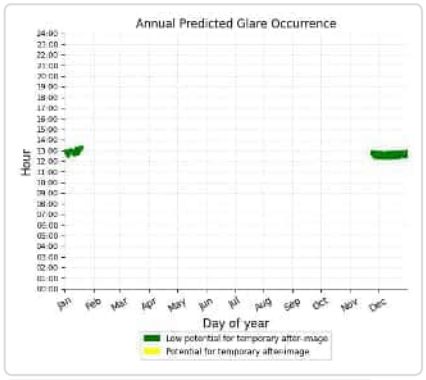


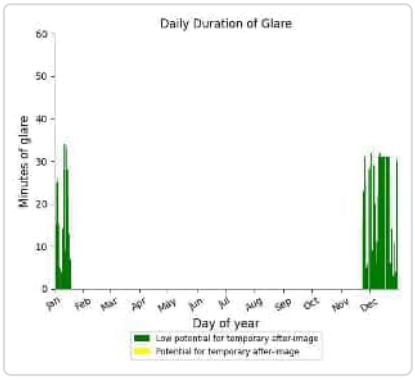


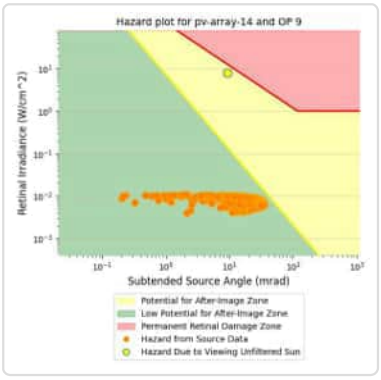
PV array 14: OP 9

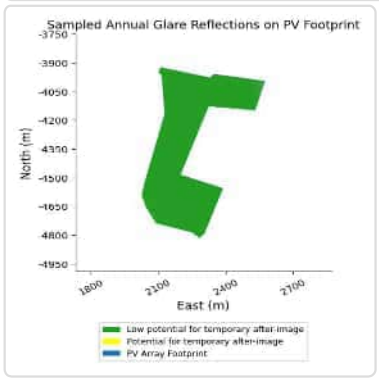
PV array is expected to produce the following glare for this receptor:

- 1,089 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





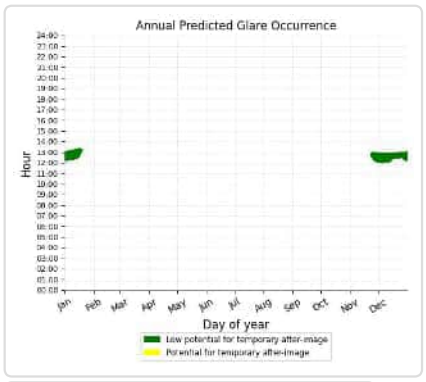


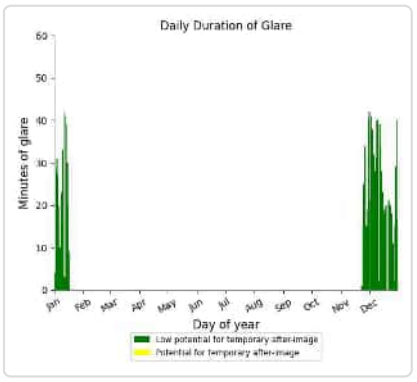


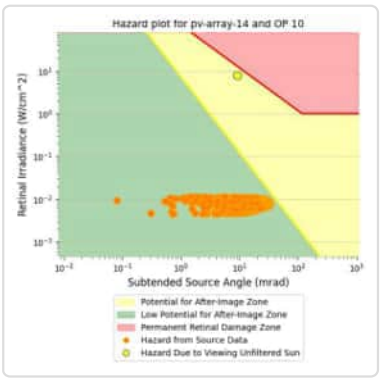
PV array 14: OP 10

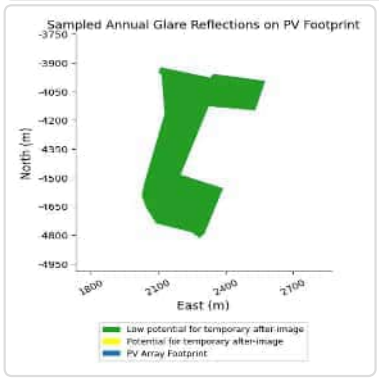
PV array is expected to produce the following glare for this receptor:

- 1,364 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





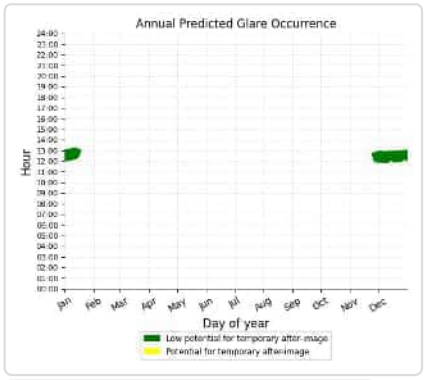


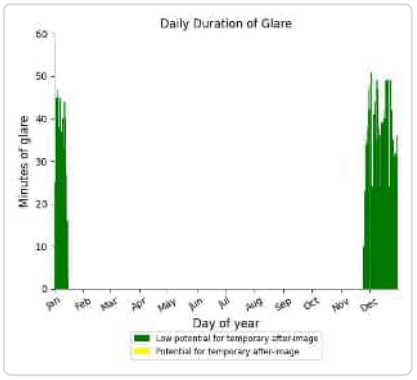


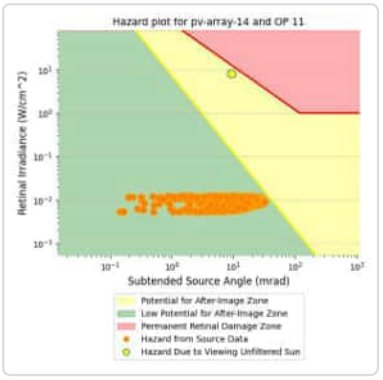
PV array 14: OP 11

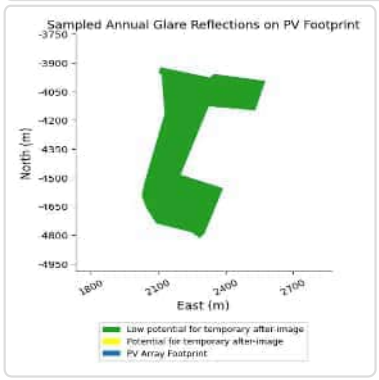
PV array is expected to produce the following glare for this receptor:

- 2,012 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





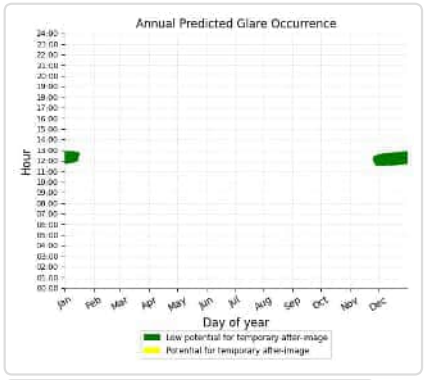


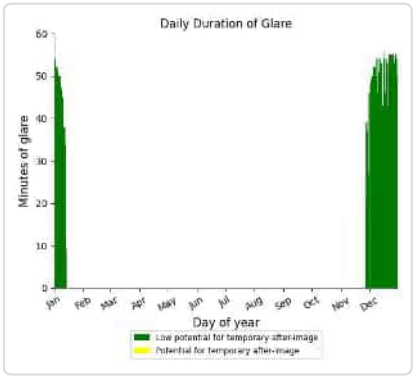


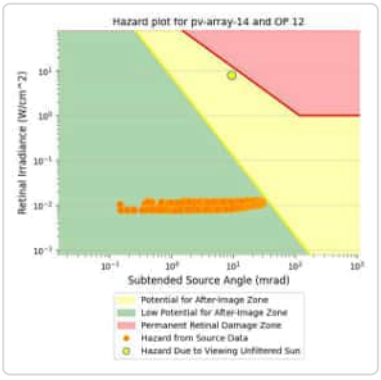
PV array 14: OP 12

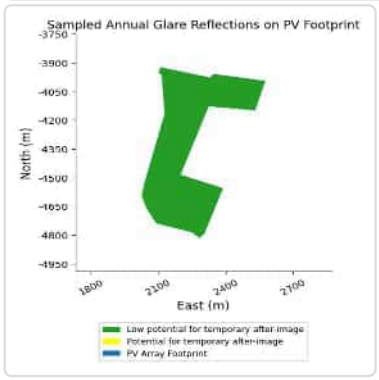
PV array is expected to produce the following glare for this receptor:

- 2,344 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





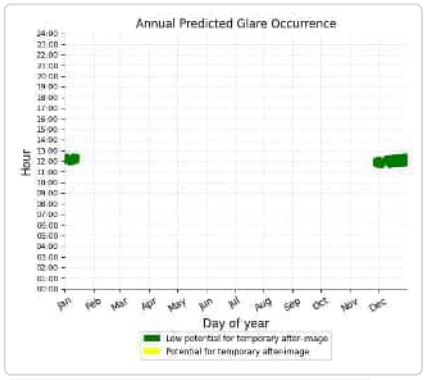


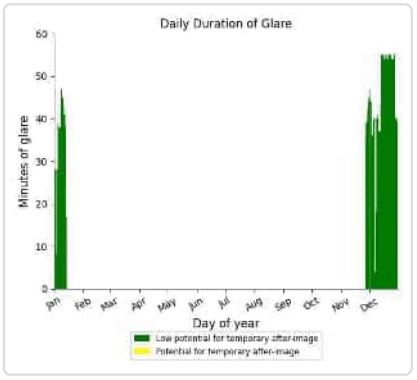


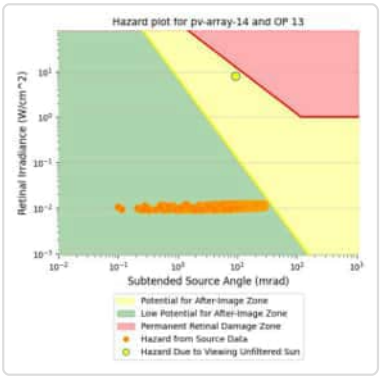
PV array 14: OP 13

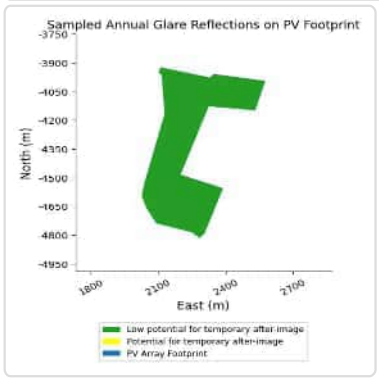
PV array is expected to produce the following glare for this receptor:

- 2,068 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





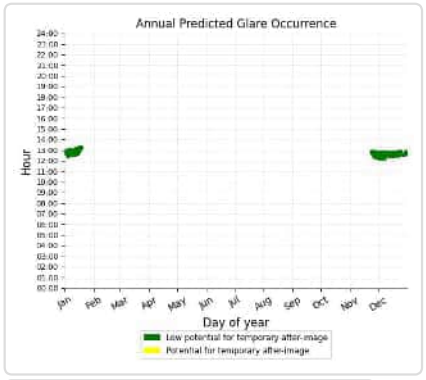


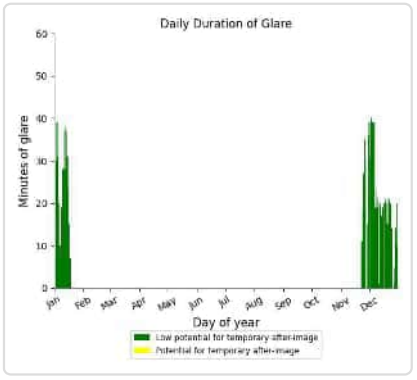


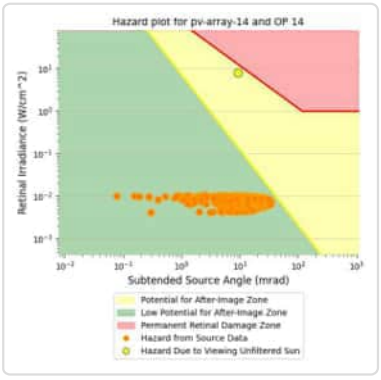
PV array 14: OP 14

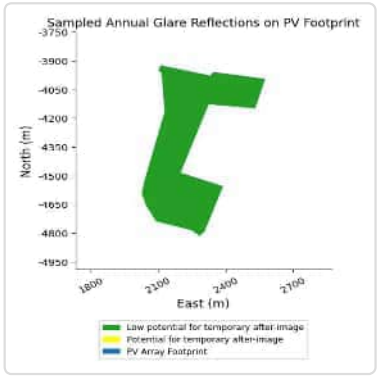
PV array is expected to produce the following glare for this receptor:

- 1,198 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





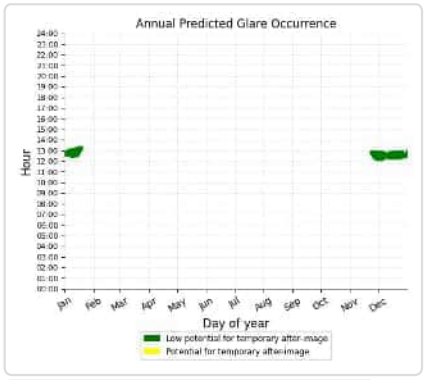


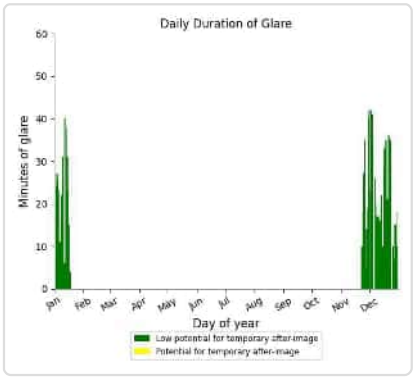


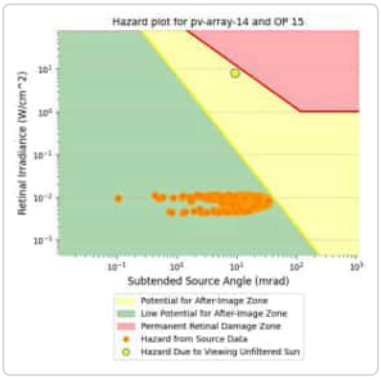
PV array 14: OP 15

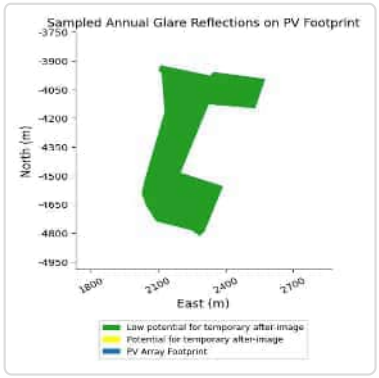
PV array is expected to produce the following glare for this receptor:

- 1,277 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





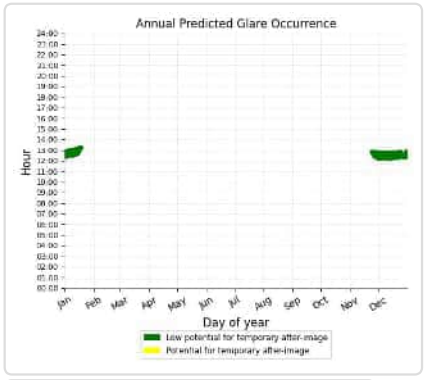


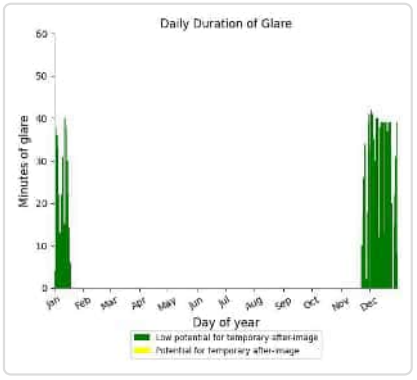


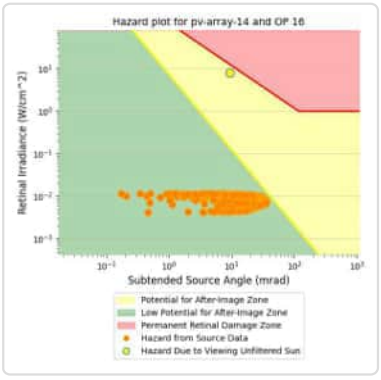
PV array 14: OP 16

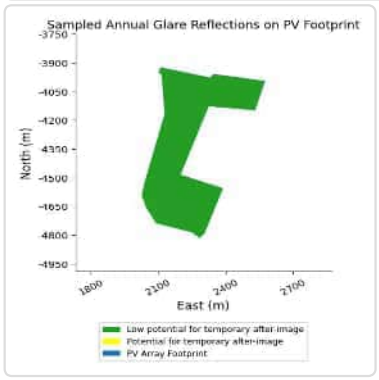
PV array is expected to produce the following glare for this receptor:

- 1,637 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





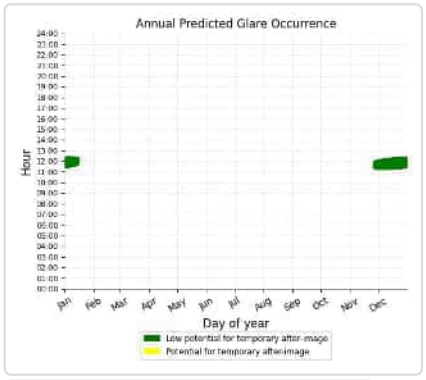


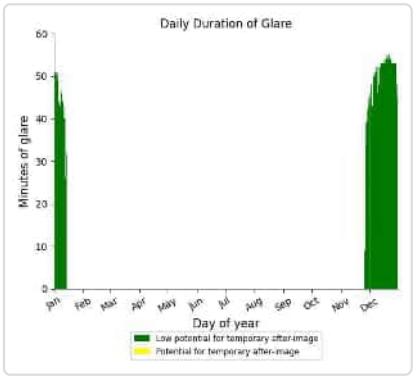


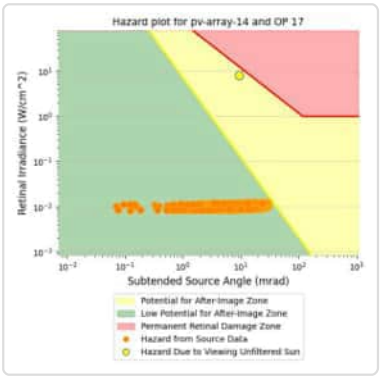
PV array 14: OP 17

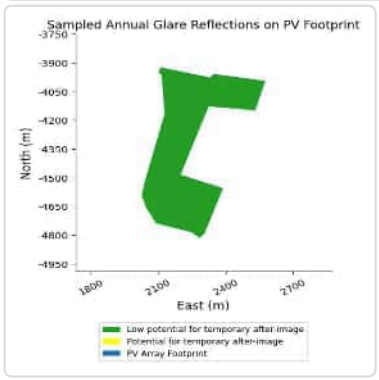
PV array is expected to produce the following glare for this receptor:

- 2,370 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





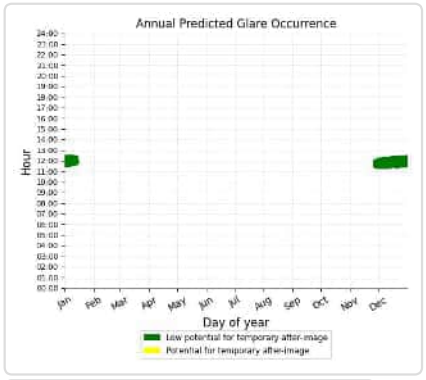


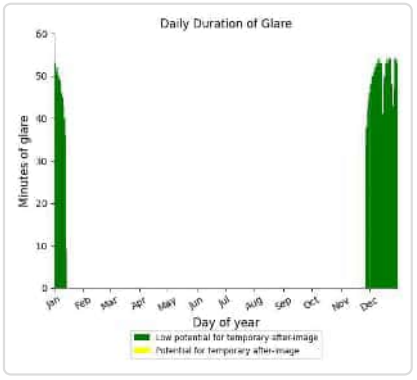


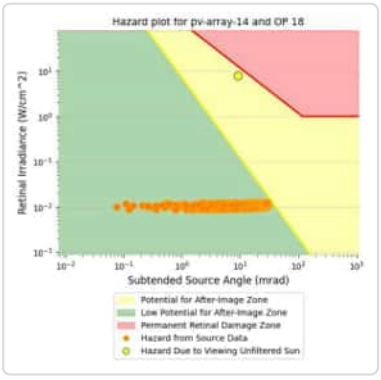
PV array 14: OP 18

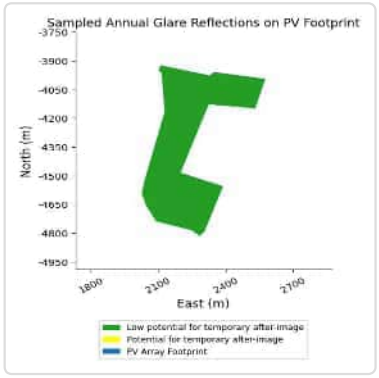
PV array is expected to produce the following glare for this receptor:

- 2,367 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





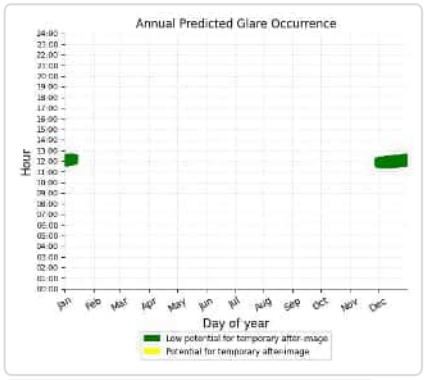


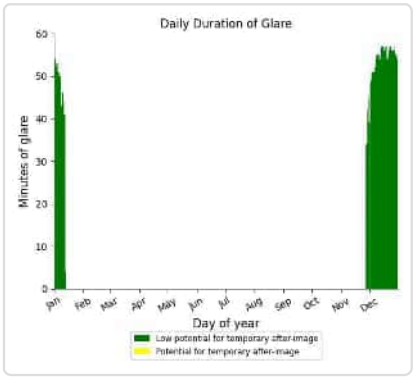


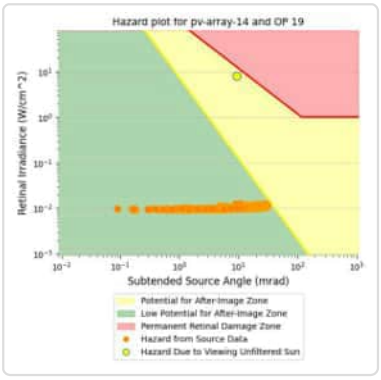
PV array 14: OP 19

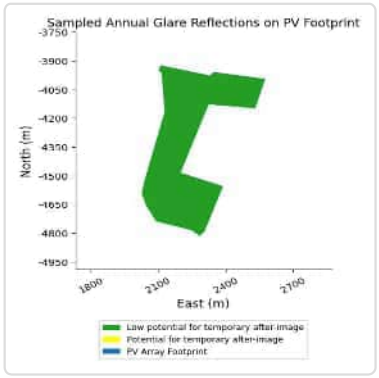
PV array is expected to produce the following glare for this receptor:

- 2,393 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





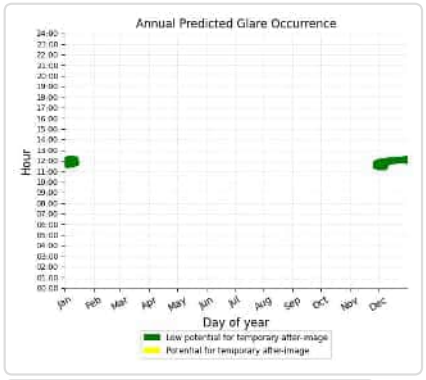


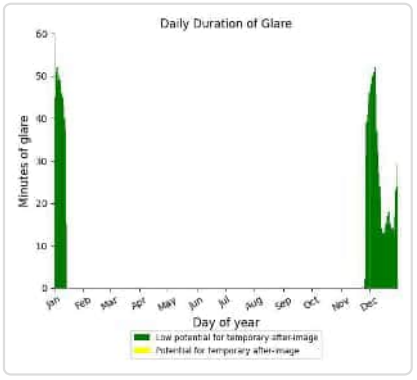


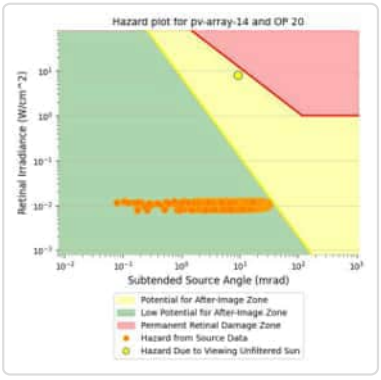
PV array 14: OP 20

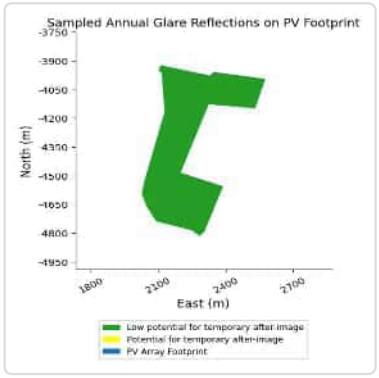
PV array is expected to produce the following glare for this receptor:

- 1,589 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





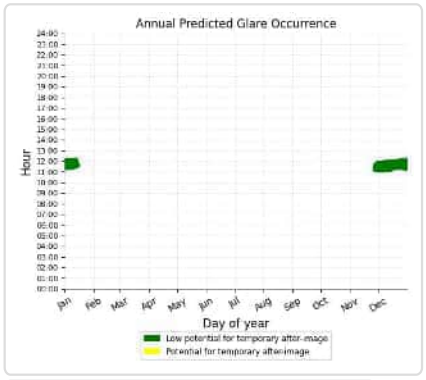


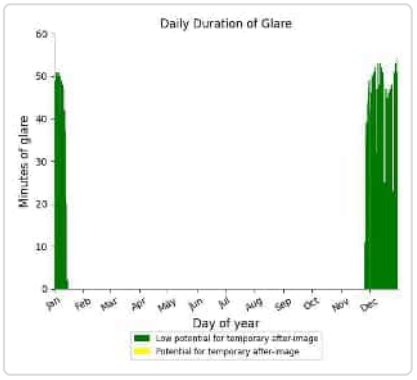


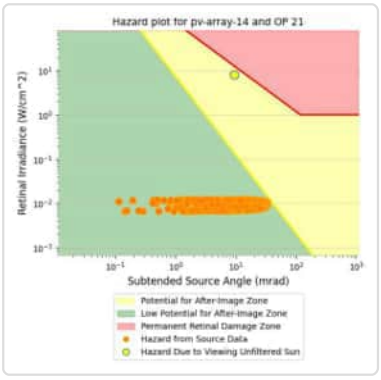
PV array 14: OP 21

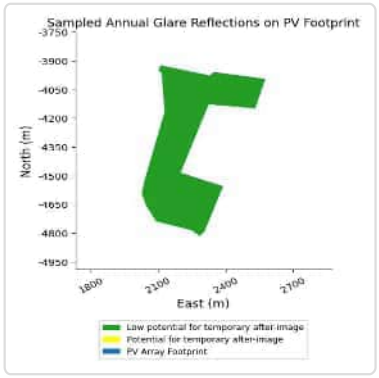
PV array is expected to produce the following glare for this receptor:

- 2,271 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





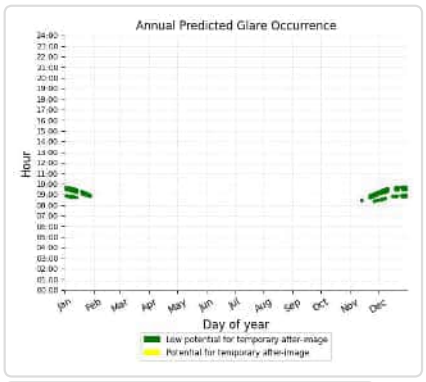


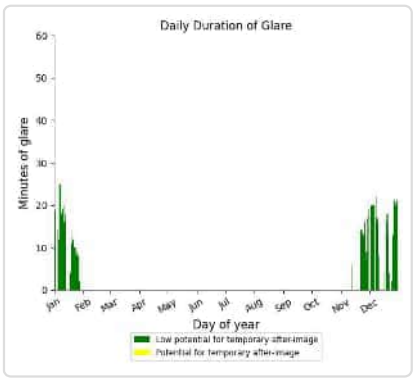


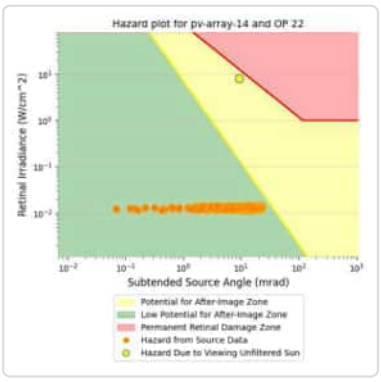
PV array 14: OP 22

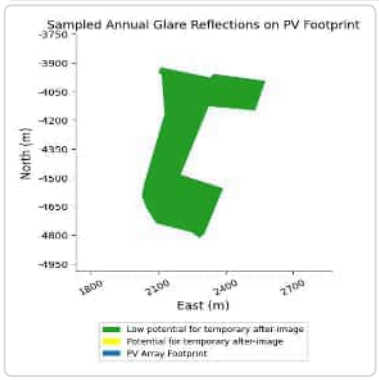
PV array is expected to produce the following glare for this receptor:

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





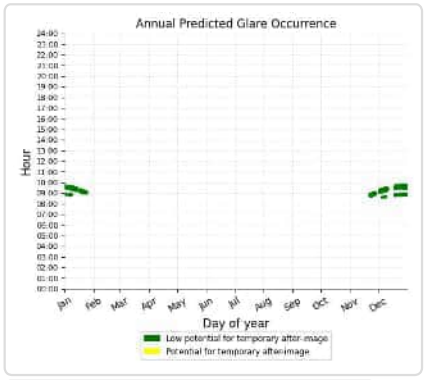


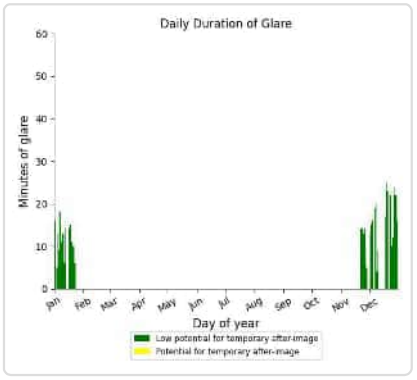


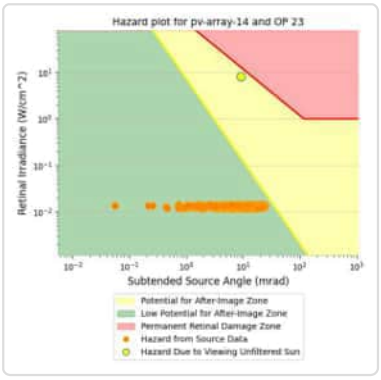
PV array 14: OP 23

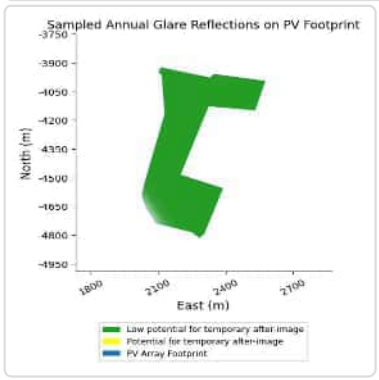
PV array is expected to produce the following glare for this receptor:

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





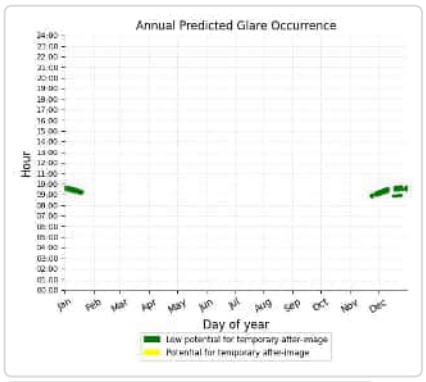


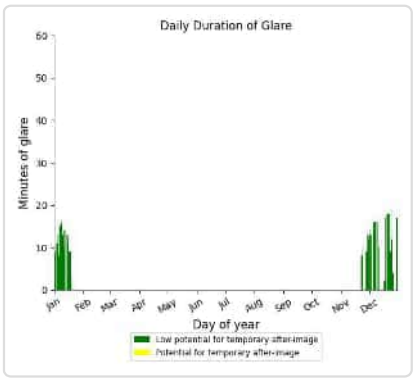


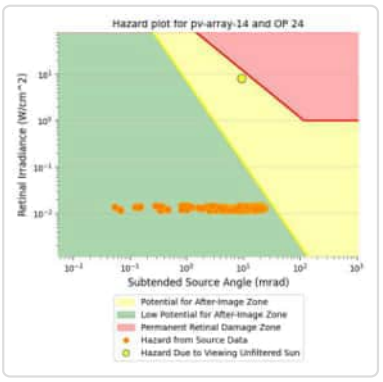
PV array 14: OP 24

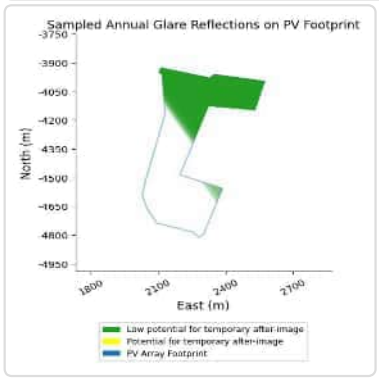
PV array is expected to produce the following glare for this receptor:

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





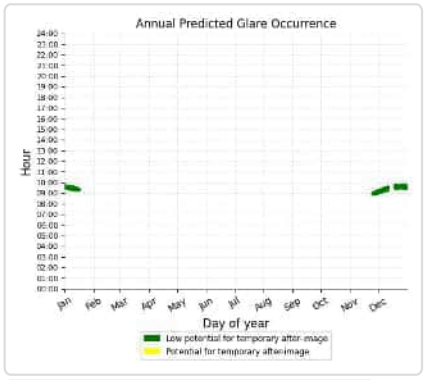


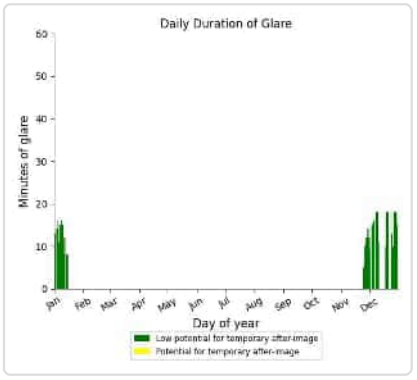


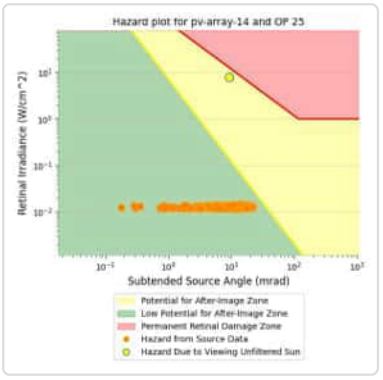
PV array 14: OP 25

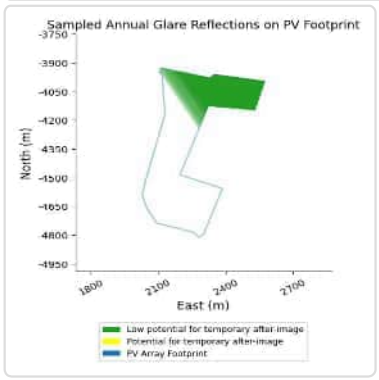
PV array is expected to produce the following glare for this receptor:

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





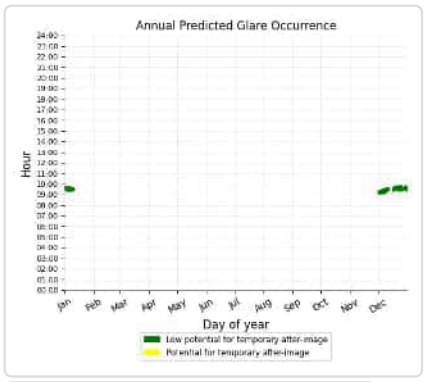


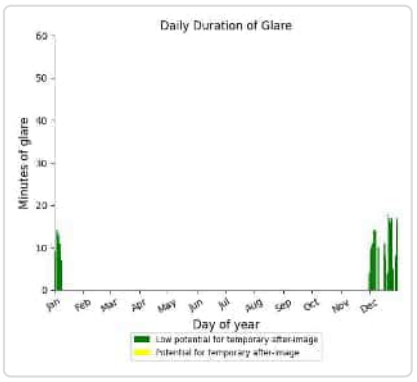


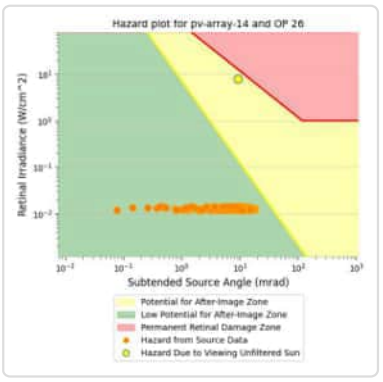
PV array 14: OP 26

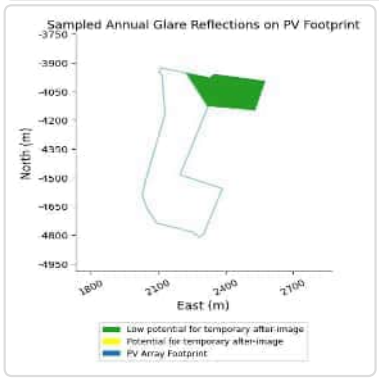
PV array is expected to produce the following glare for this receptor:

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





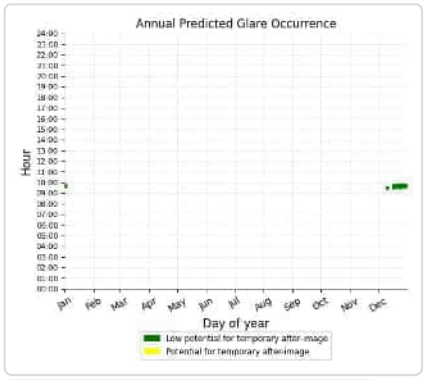


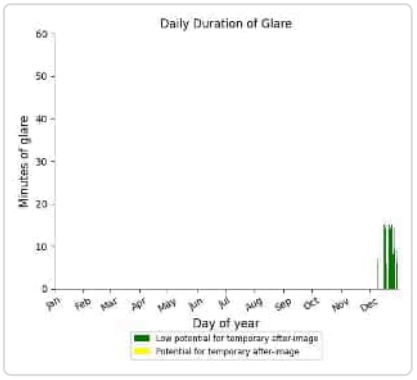


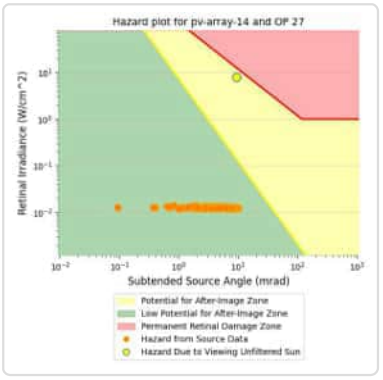
PV array 14: OP 27

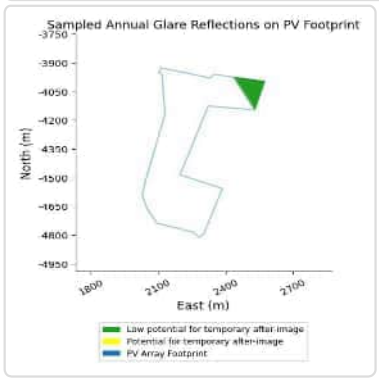
PV array is expected to produce the following glare for this receptor:

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





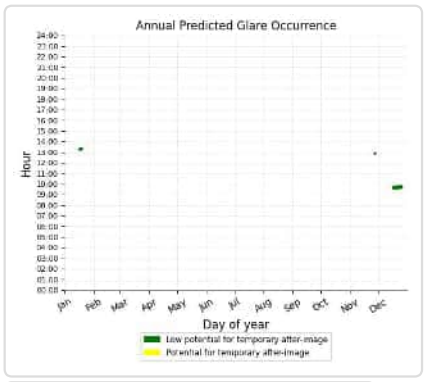


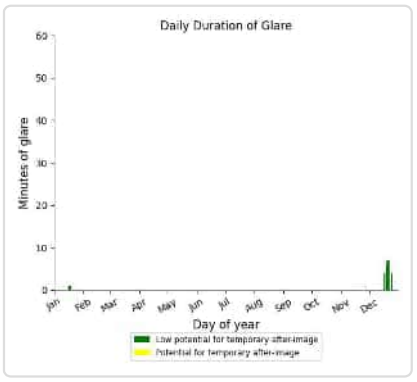


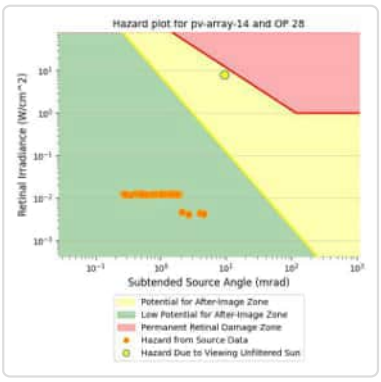
PV array 14: OP 28

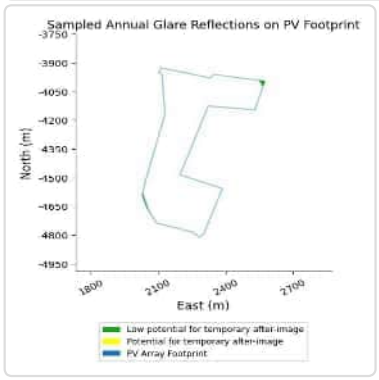
PV array is expected to produce the following glare for this receptor:

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





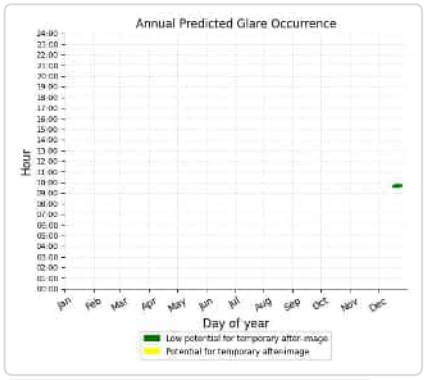


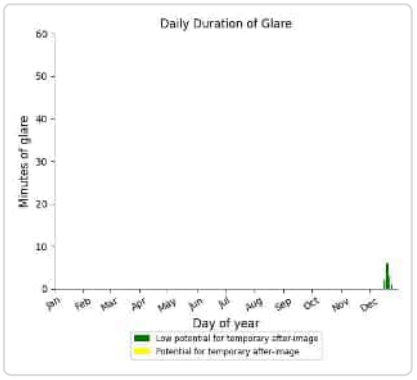


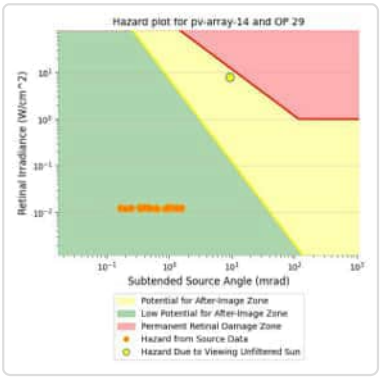
PV array 14: OP 29

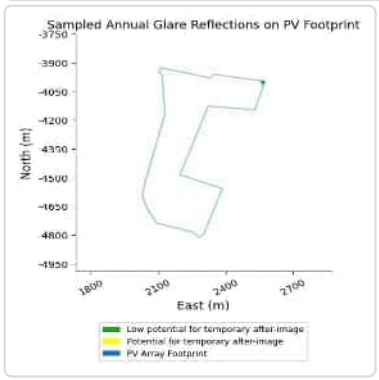
PV array is expected to produce the following glare for this receptor:

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





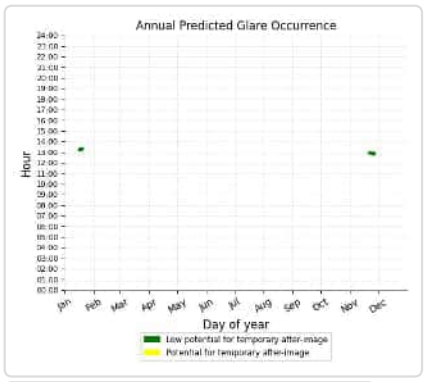


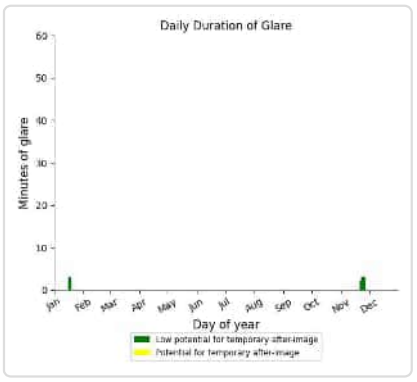


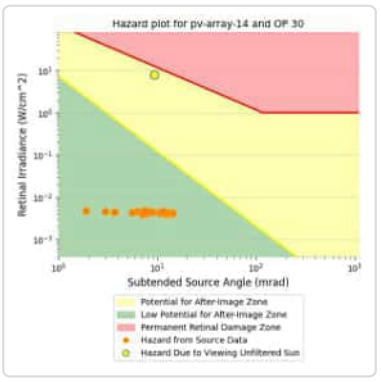
PV array 14: OP 30

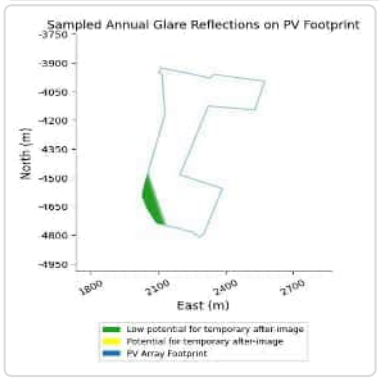
PV array is expected to produce the following glare for this receptor:

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





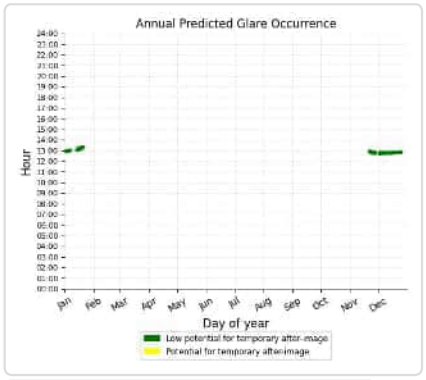


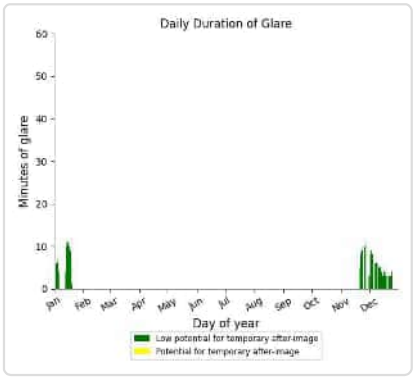


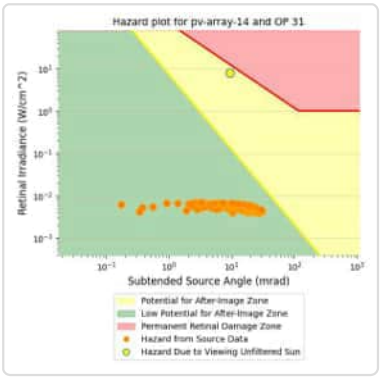
PV array 14: OP 31

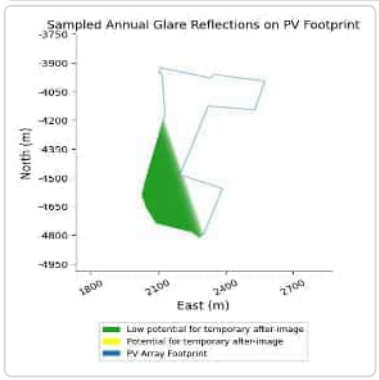
PV array is expected to produce the following glare for this receptor:

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





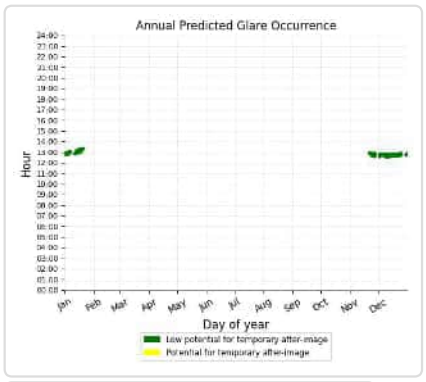


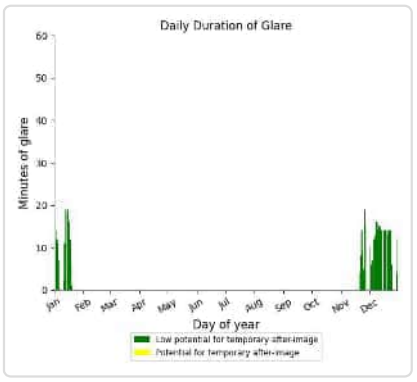


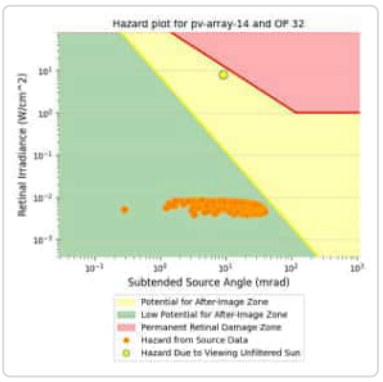
PV array 14: OP 32

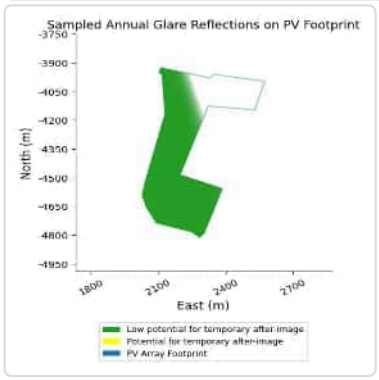
PV array is expected to produce the following glare for this receptor:

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





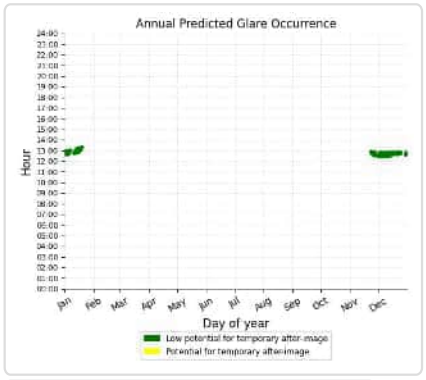


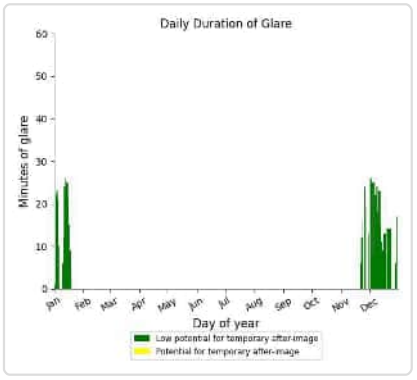


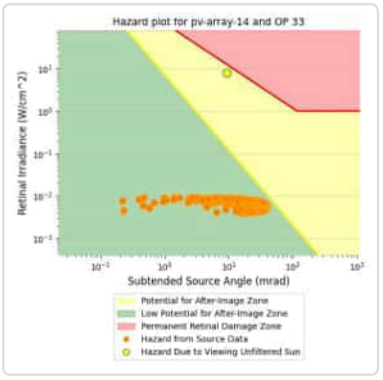
PV array 14: OP 33

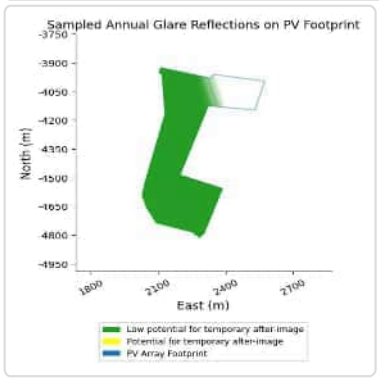
PV array is expected to produce the following glare for this receptor:

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





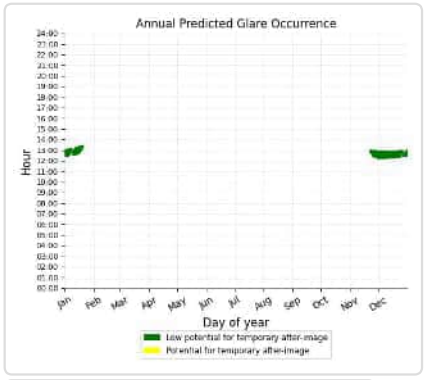


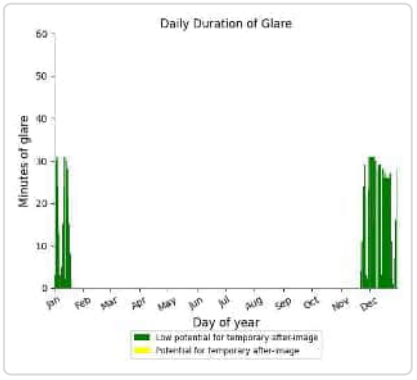


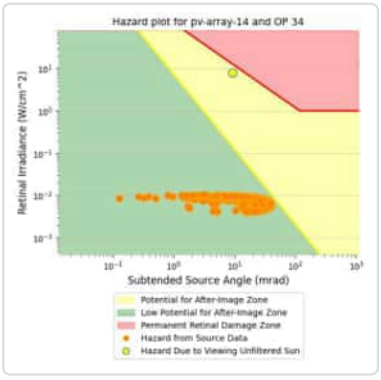
PV array 14: OP 34

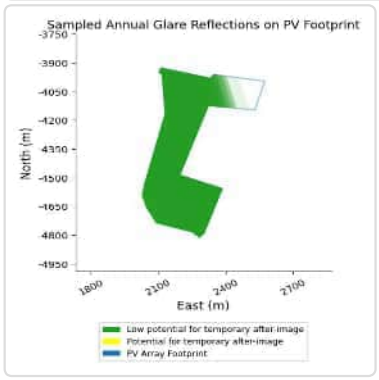
PV array is expected to produce the following glare for this receptor:

- 1,085 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





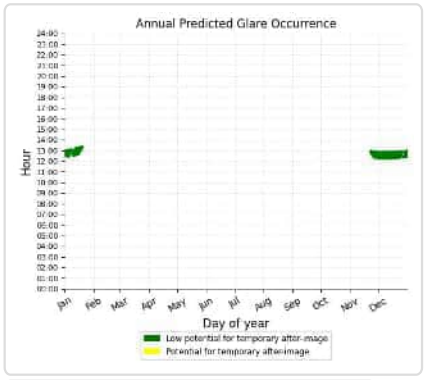


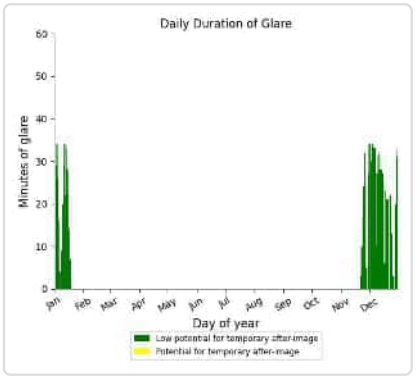


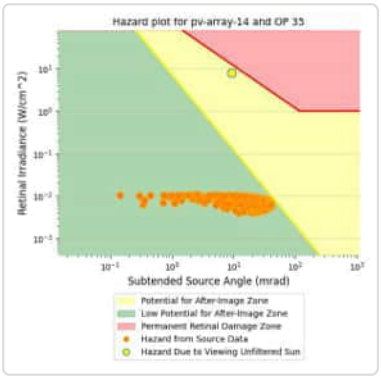
PV array 14: OP 35

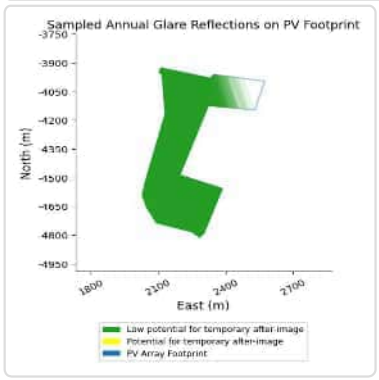
PV array is expected to produce the following glare for this receptor:

- 1,206 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





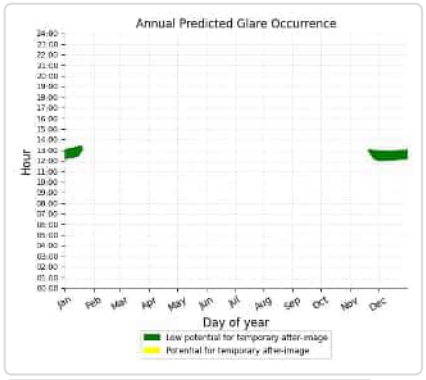


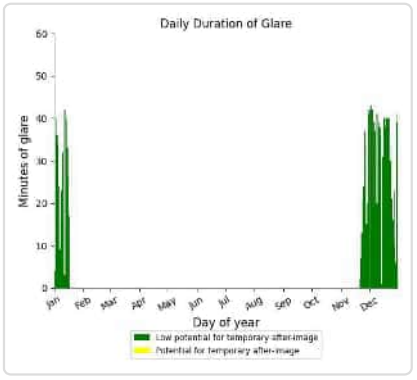


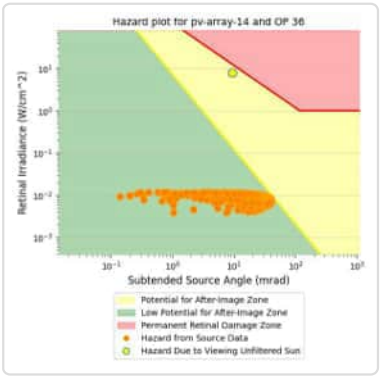
PV array 14: OP 36

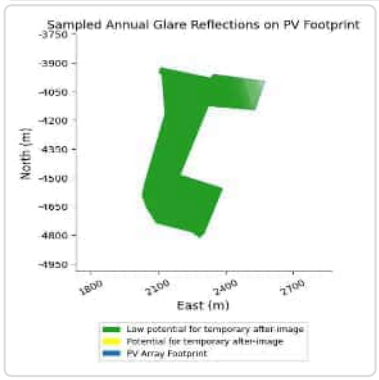
PV array is expected to produce the following glare for this receptor:

- 1,685 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





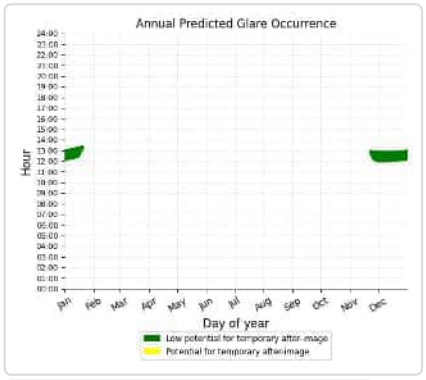


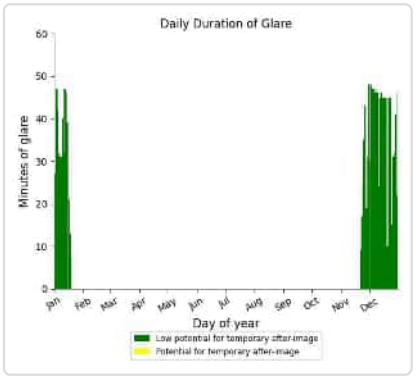


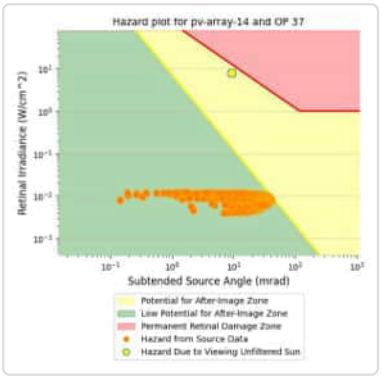
PV array 14: OP 37

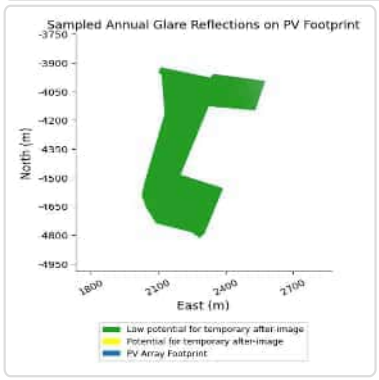
PV array is expected to produce the following glare for this receptor:

- 2,140 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





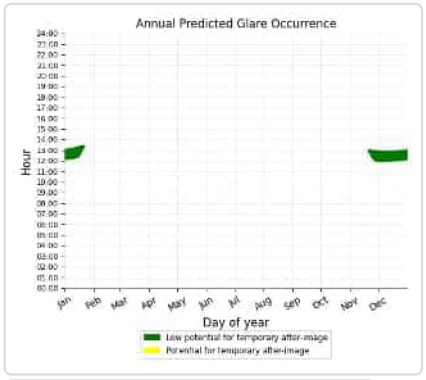


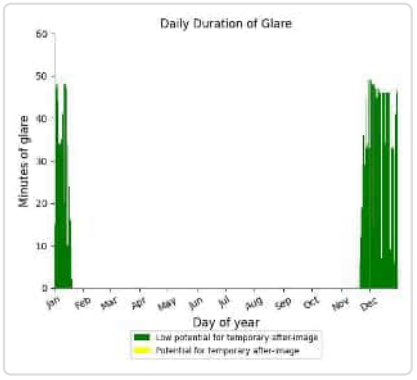


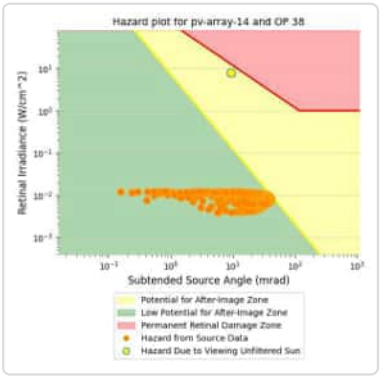
PV array 14: OP 38

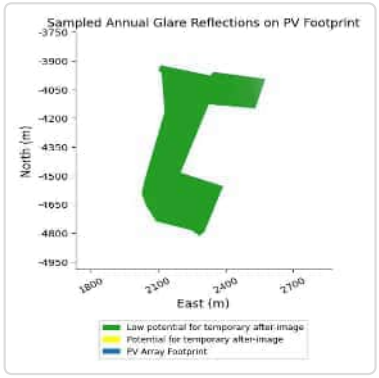
PV array is expected to produce the following glare for this receptor:

- 2,147 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





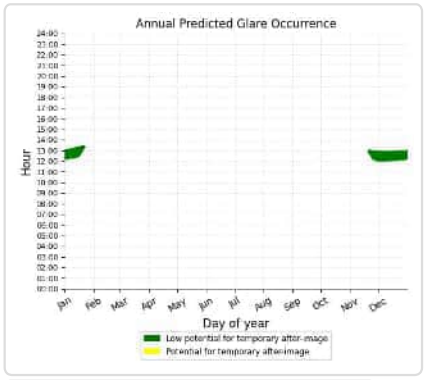


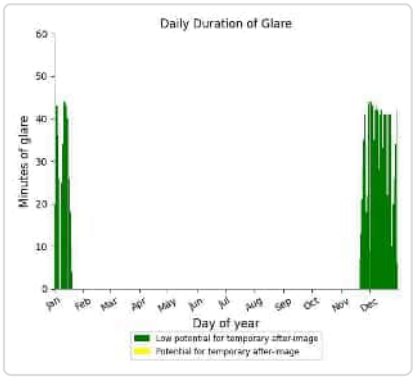


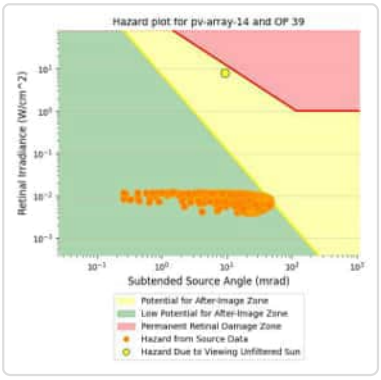
PV array 14: OP 39

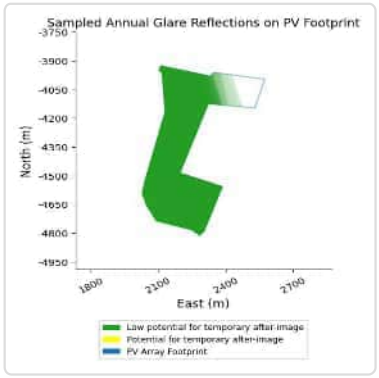
PV array is expected to produce the following glare for this receptor:

- 1,900 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





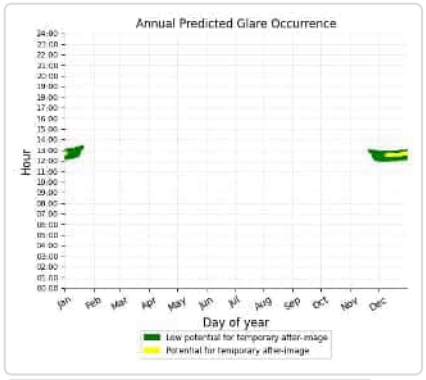


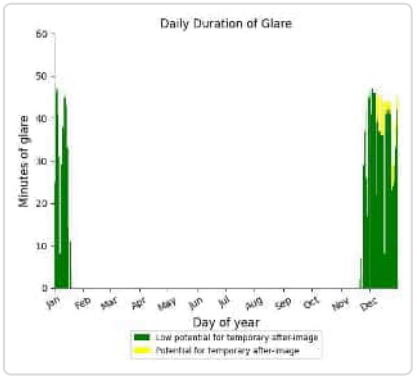


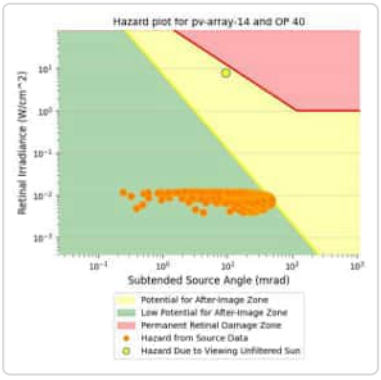
PV array 14: OP 40

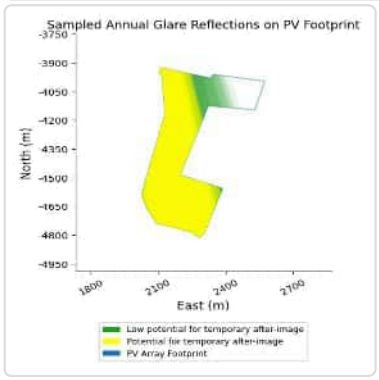
PV array is expected to produce the following glare for this receptor:

- 1,918 minutes of "green" glare with low potential to cause temporary after-image.
- 111 minutes of "yellow" glare with potential to cause temporary after-image.





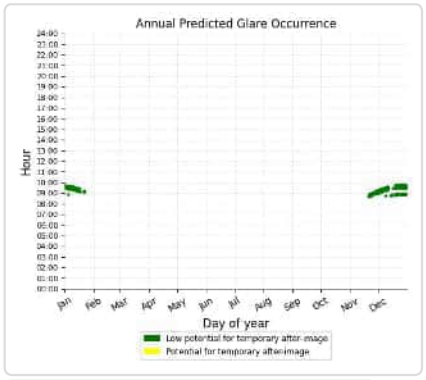


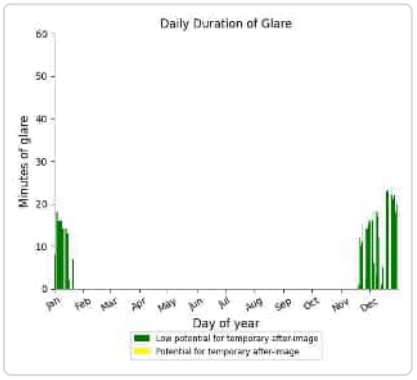


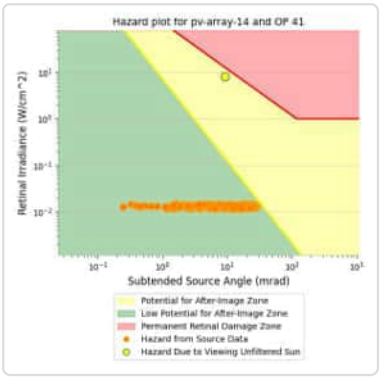
PV array 14: OP 41

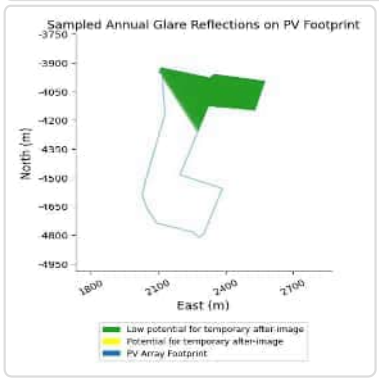
PV array is expected to produce the following glare for this receptor:

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





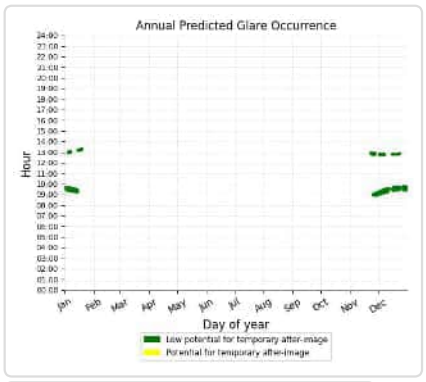


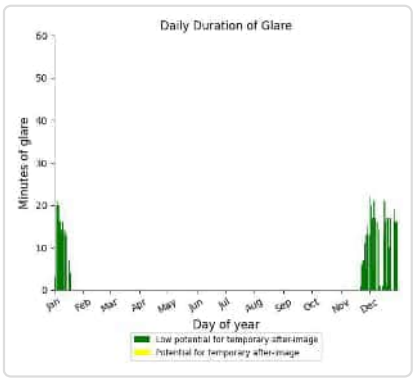


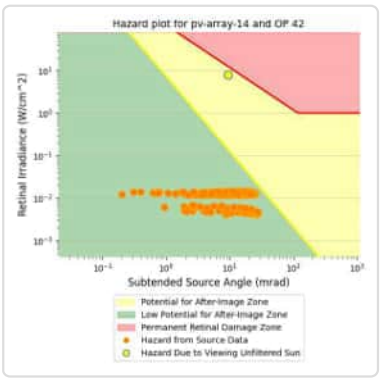
PV array 14: OP 42

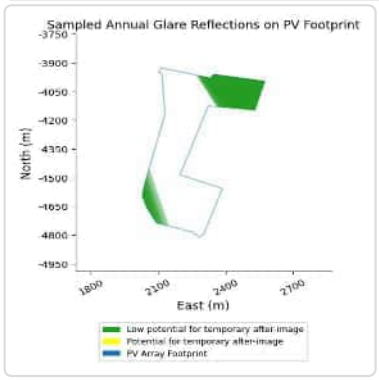
PV array is expected to produce the following glare for this receptor:

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





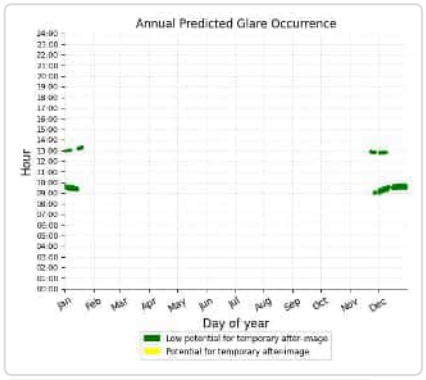


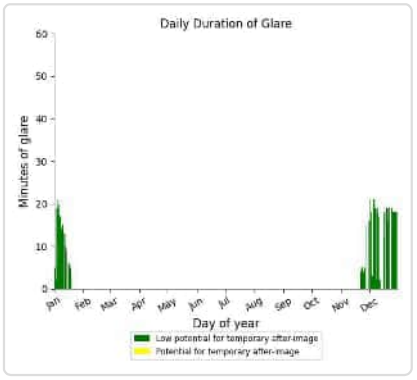


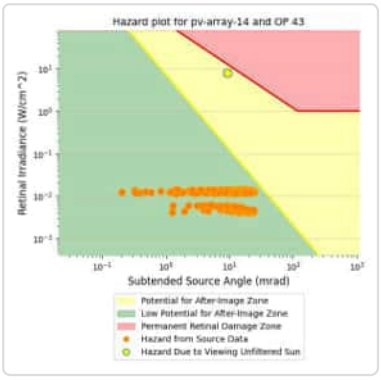
PV array 14: OP 43

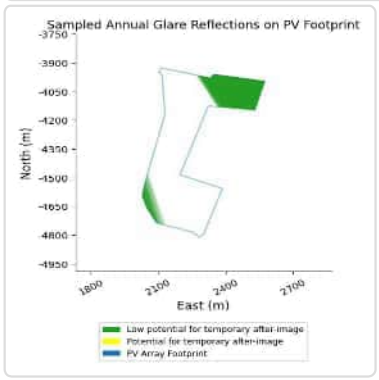
PV array is expected to produce the following glare for this receptor:

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





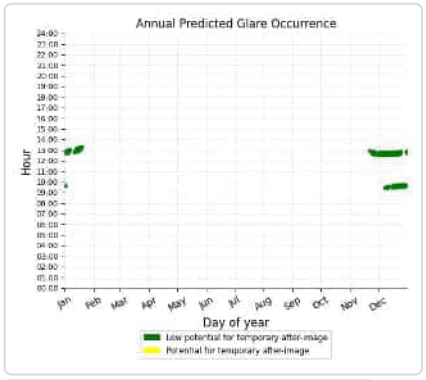


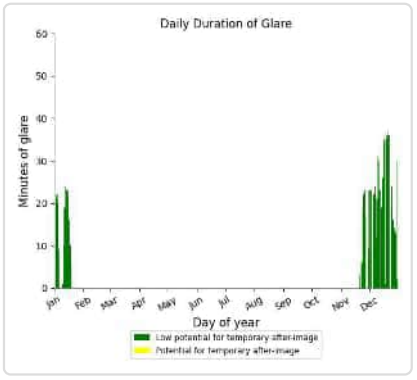


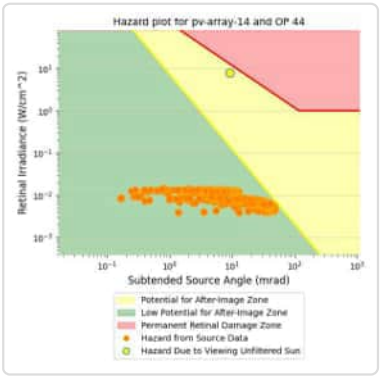
PV array 14: OP 44

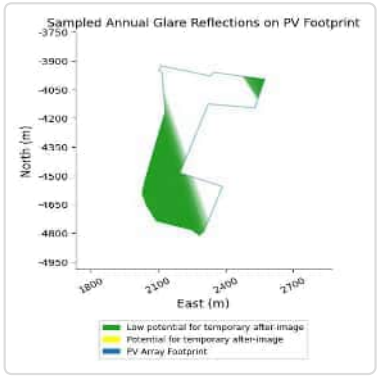
PV array is expected to produce the following glare for this receptor:

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





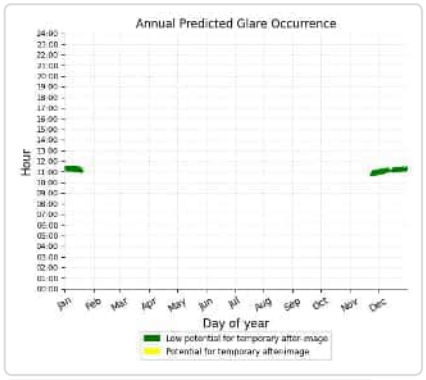


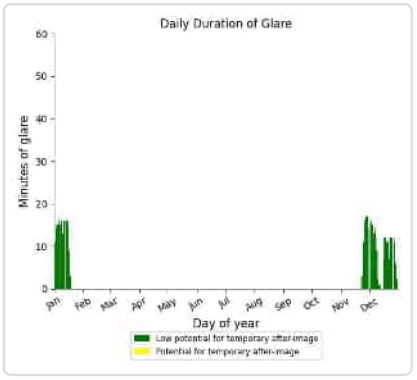


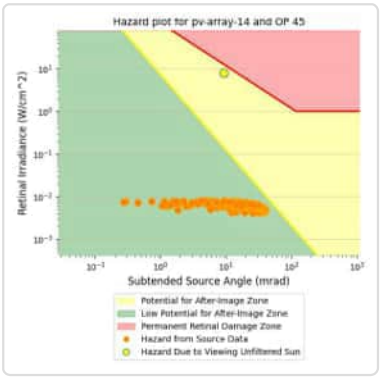
PV array 14: OP 45

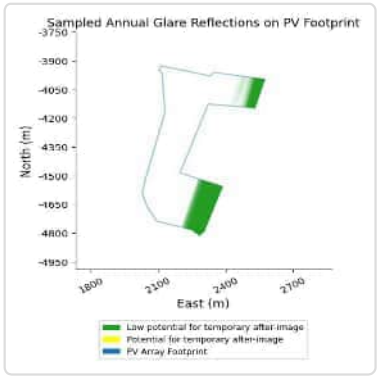
PV array is expected to produce the following glare for this receptor:

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





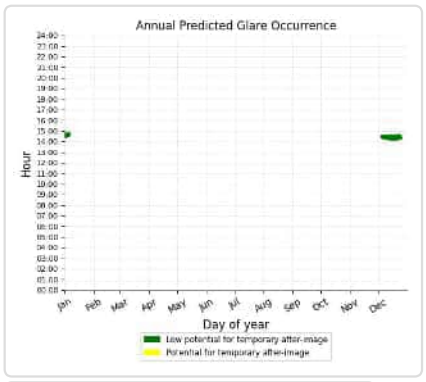


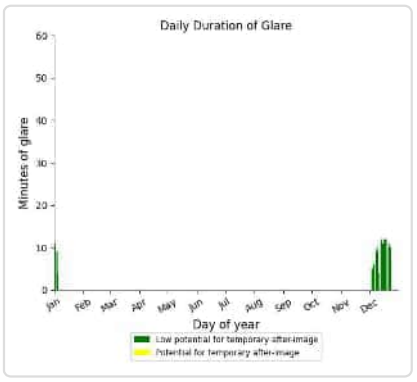


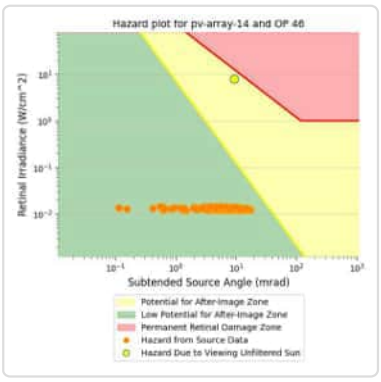
PV array 14: OP 46

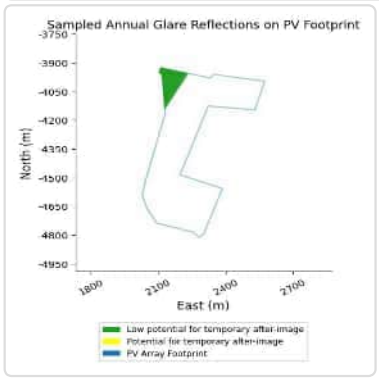
PV array is expected to produce the following glare for this receptor:

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





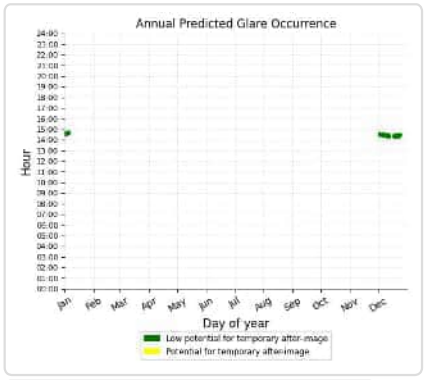


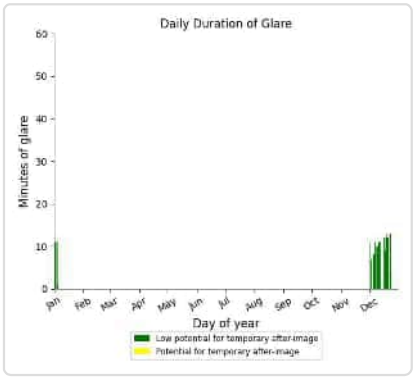


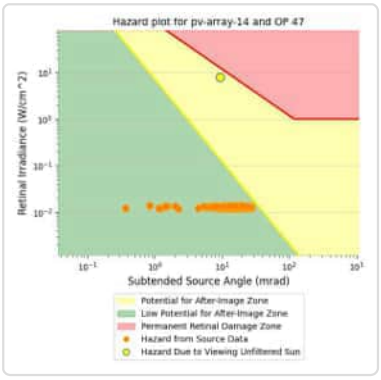
PV array 14: OP 47

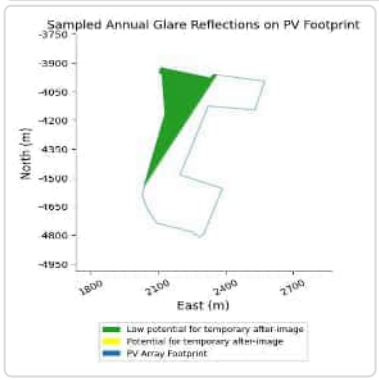
PV array is expected to produce the following glare for this receptor:

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





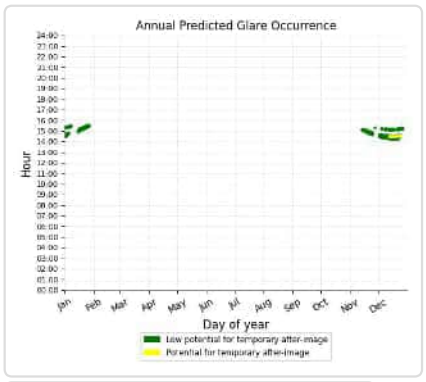


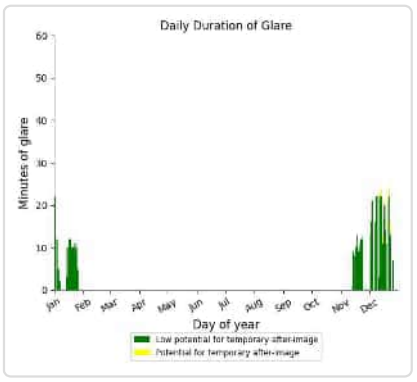


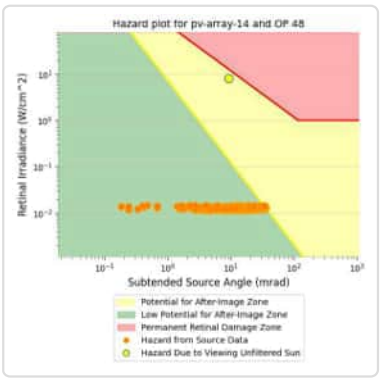
PV array 14: OP 48

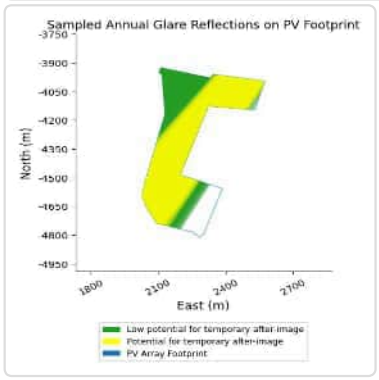
PV array is expected to produce the following glare for this receptor:

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





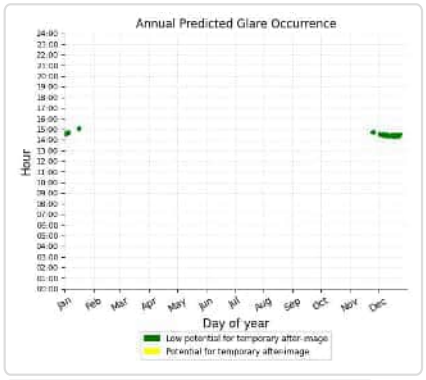


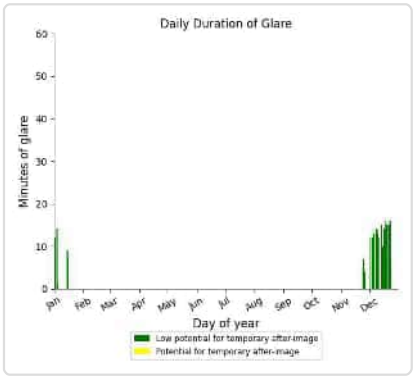


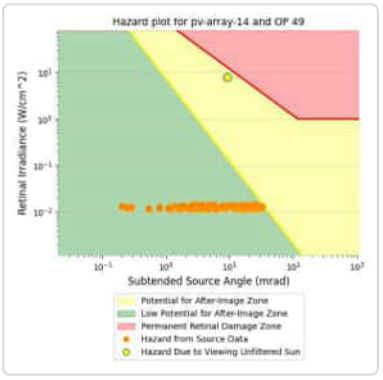
PV array 14: OP 49

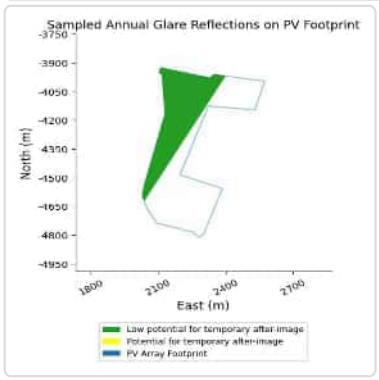
PV array is expected to produce the following glare for this receptor:

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





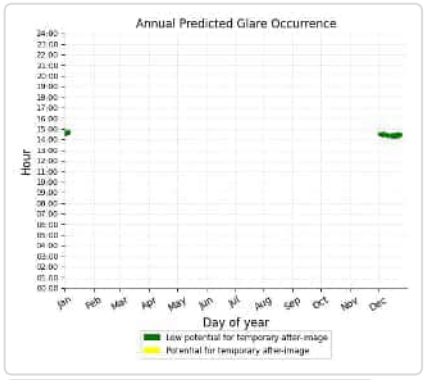


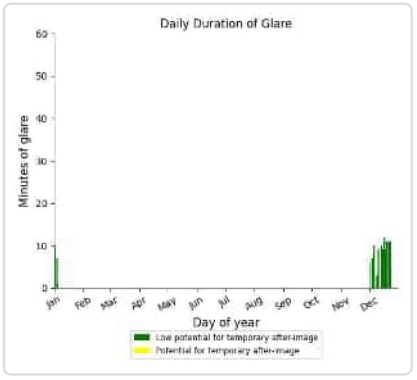


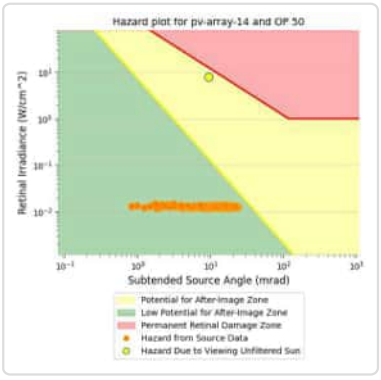
PV array 14: OP 50

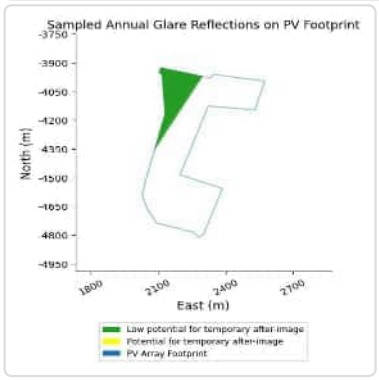
PV array is expected to produce the following glare for this receptor:

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





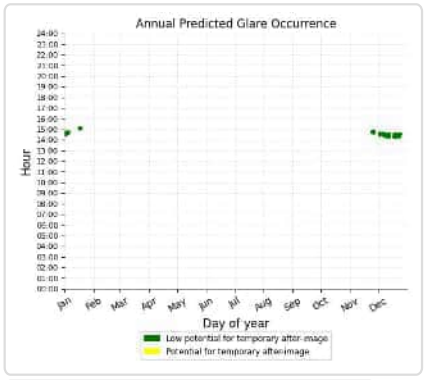


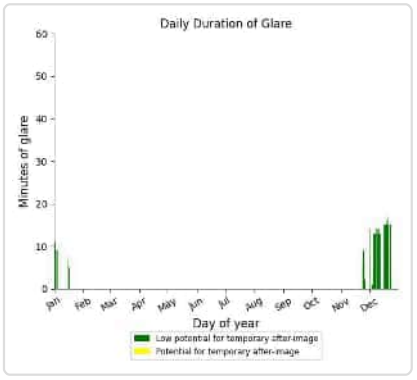


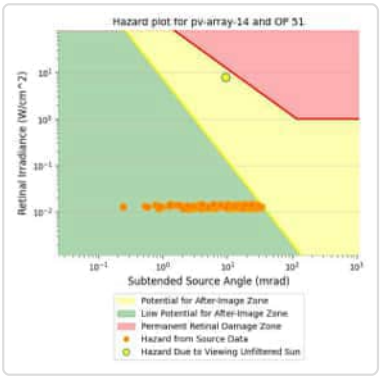
PV array 14: OP 51

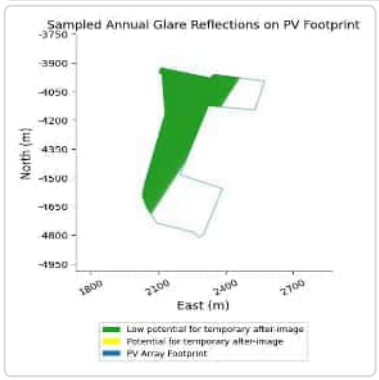
PV array is expected to produce the following glare for this receptor:

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





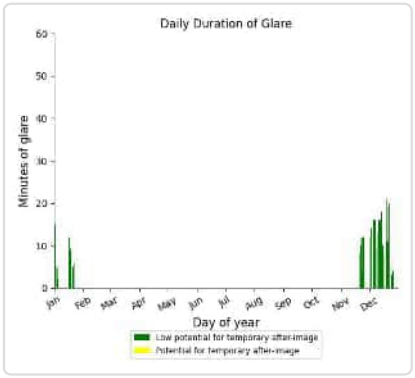


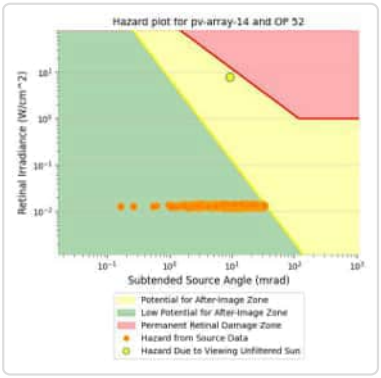


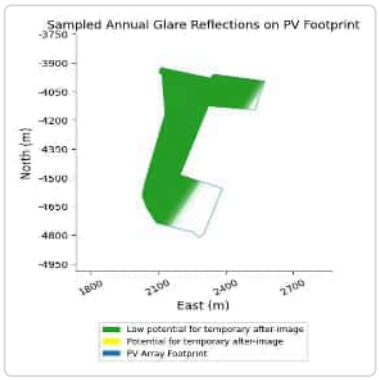
PV array 14: OP 52

PV array is expected to produce the following glare for this receptor:

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



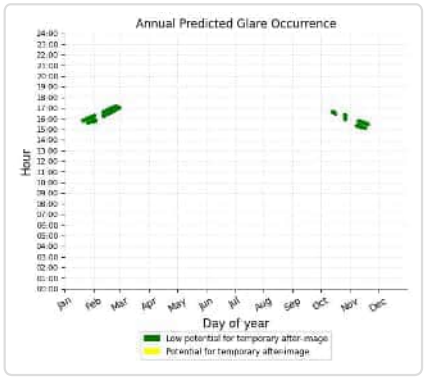


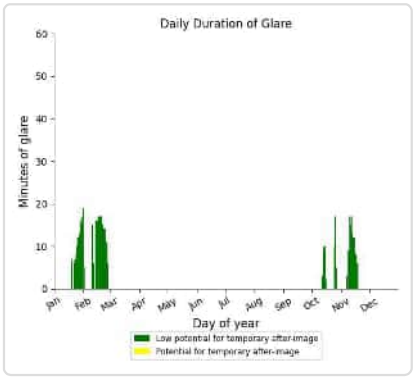


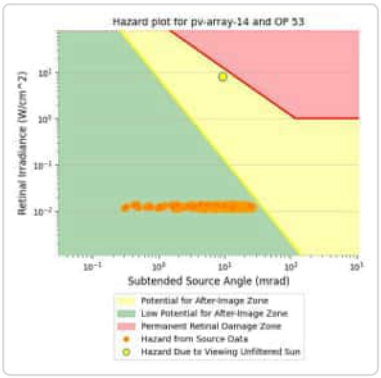
PV array 14: OP 53

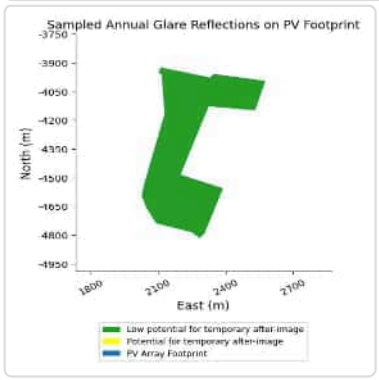
PV array is expected to produce the following glare for this receptor:

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





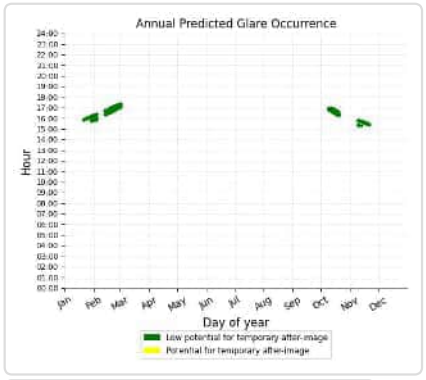


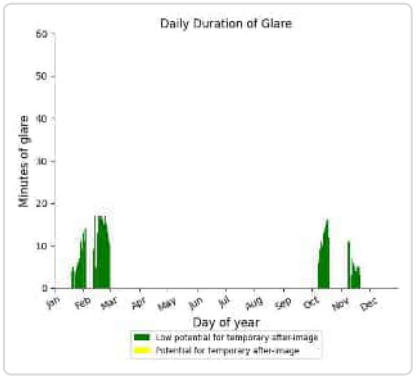


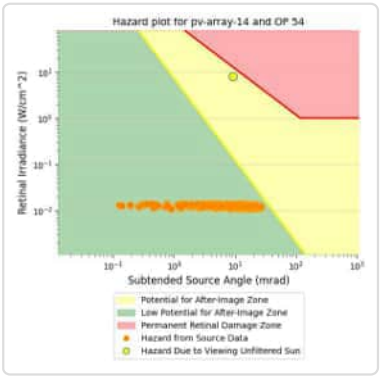
PV array 14: OP 54

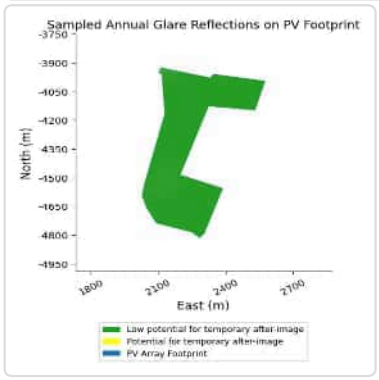
PV array is expected to produce the following glare for this receptor:

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





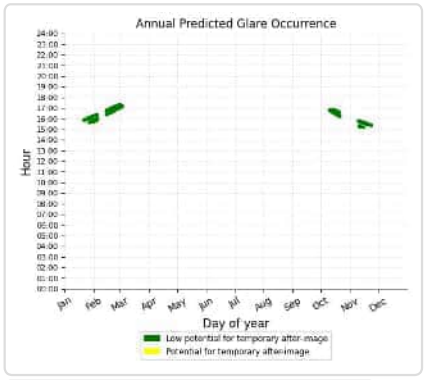


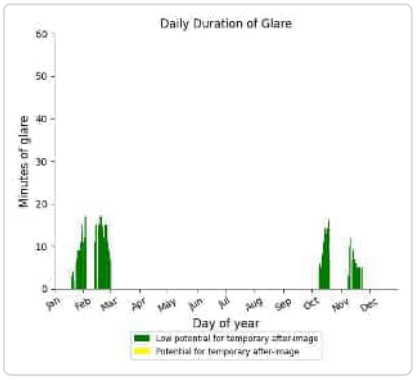


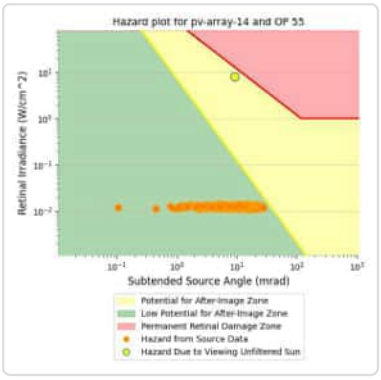
PV array 14: OP 55

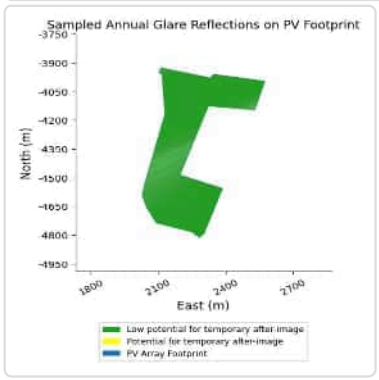
PV array is expected to produce the following glare for this receptor:

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





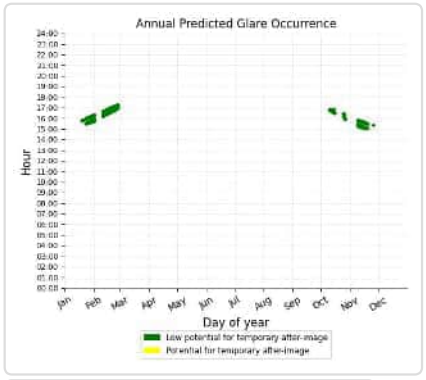


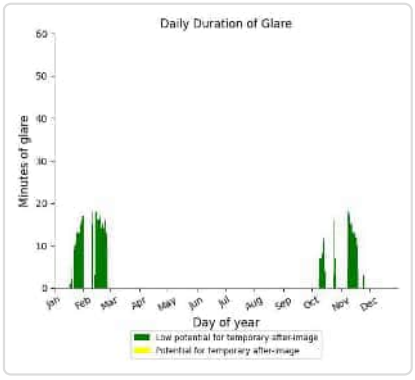


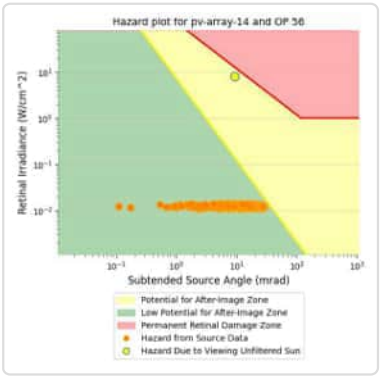
PV array 14: OP 56

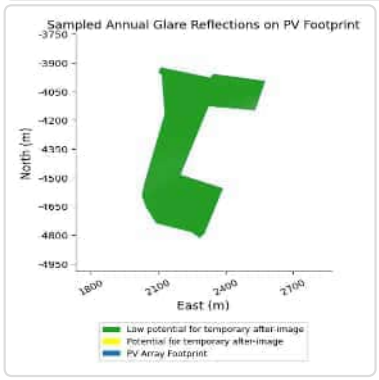
PV array is expected to produce the following glare for this receptor:

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





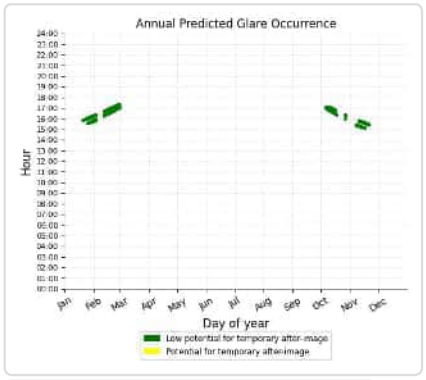


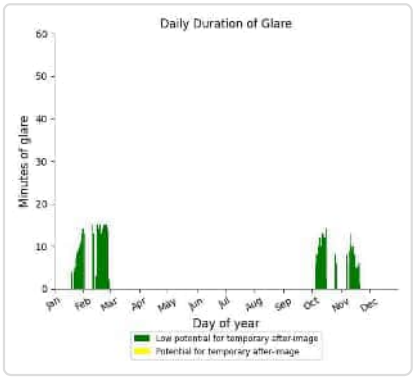


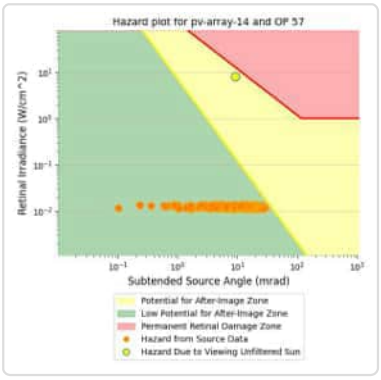
PV array 14: OP 57

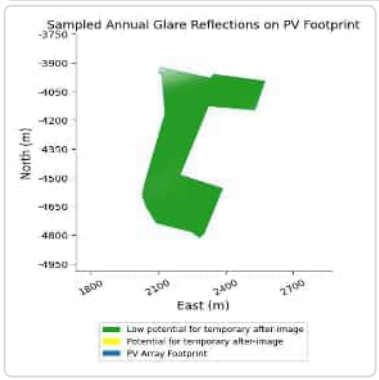
PV array is expected to produce the following glare for this receptor:

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





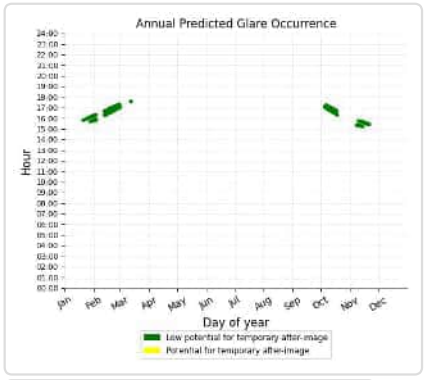


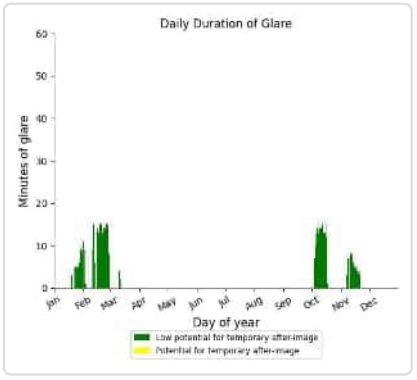


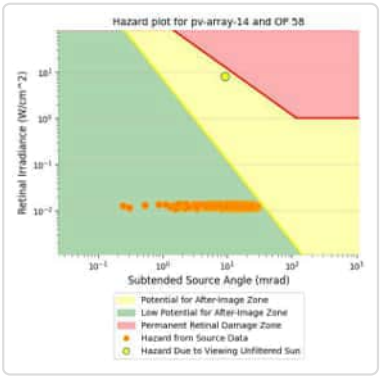
PV array 14: OP 58

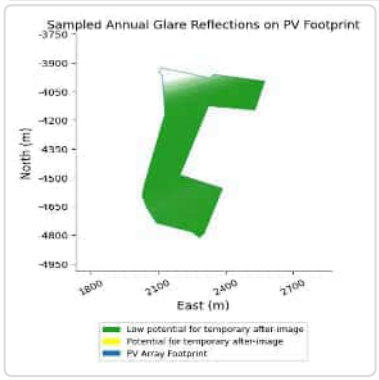
PV array is expected to produce the following glare for this receptor:

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





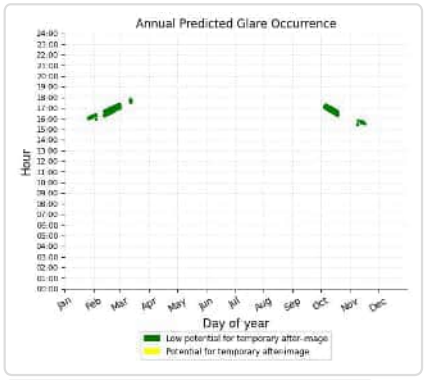


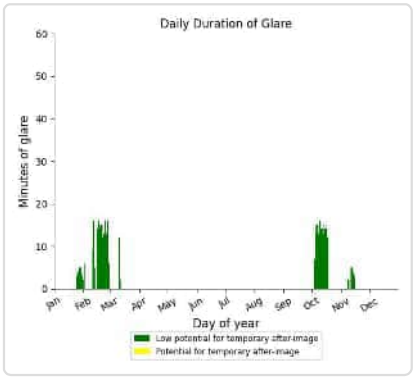


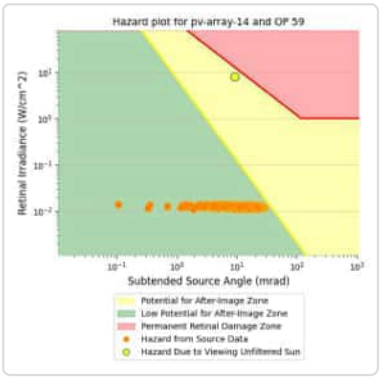
PV array 14: OP 59

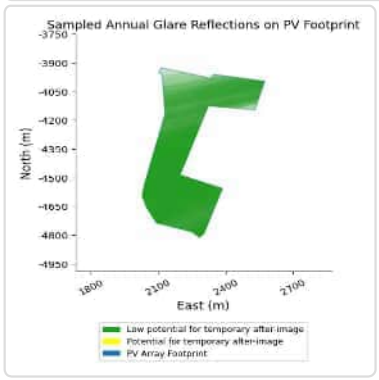
PV array is expected to produce the following glare for this receptor:

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





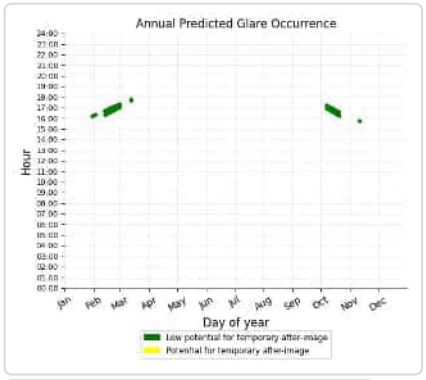


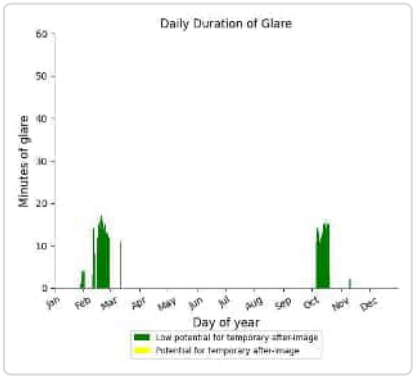


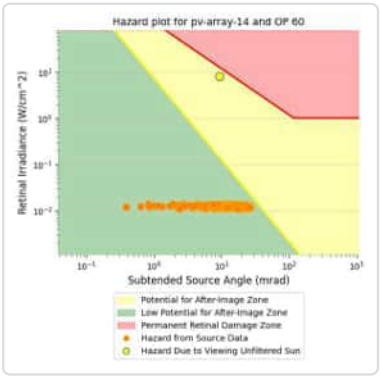
PV array 14: OP 60

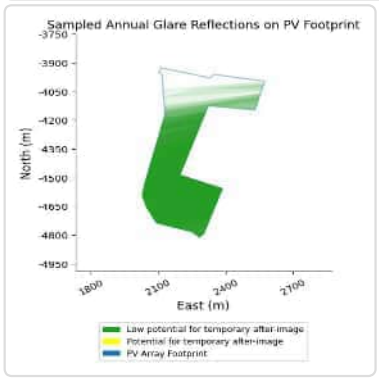
PV array is expected to produce the following glare for this receptor:

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





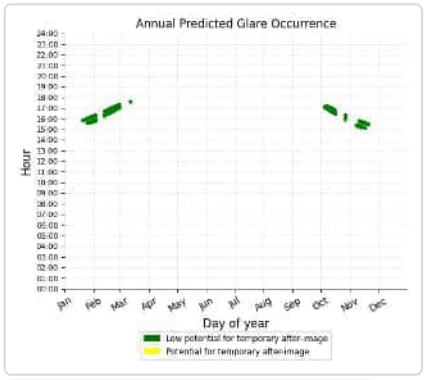


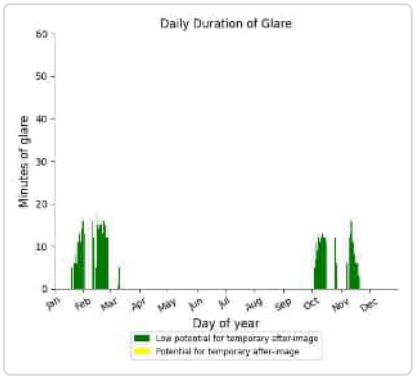


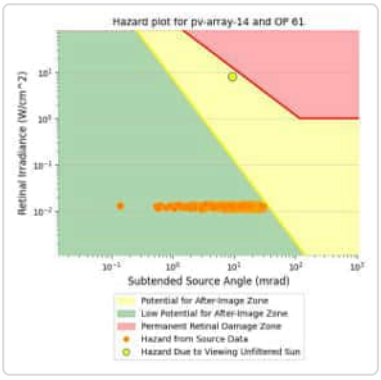
PV array 14: OP 61

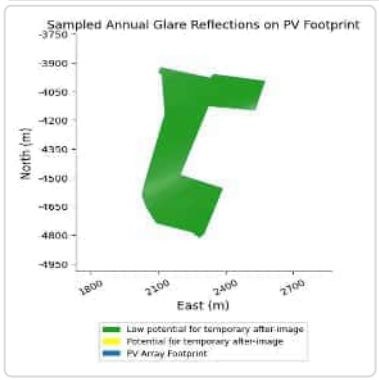
PV array is expected to produce the following glare for this receptor:

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





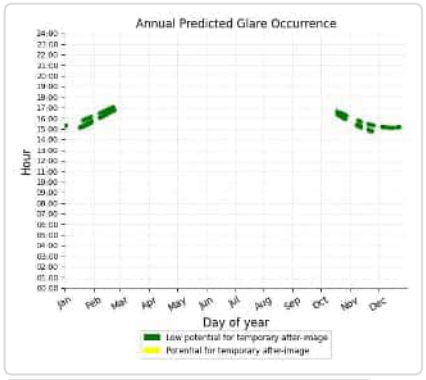


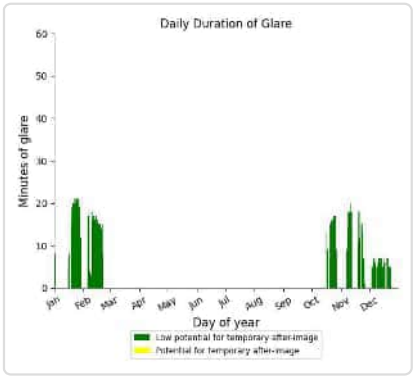


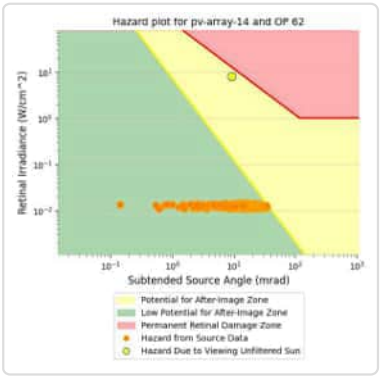
PV array 14: OP 62

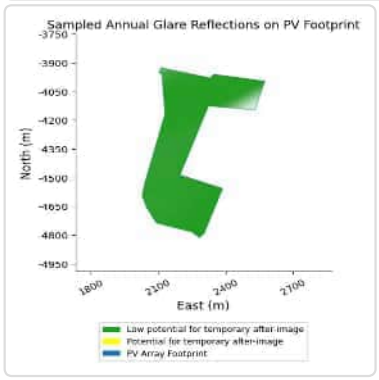
PV array is expected to produce the following glare for this receptor:

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





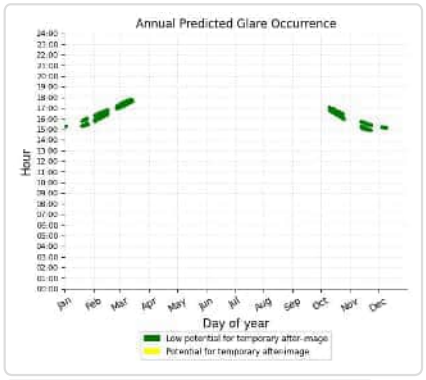


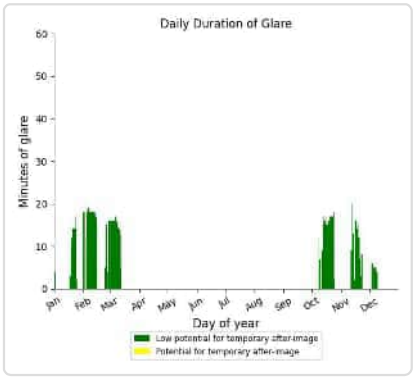


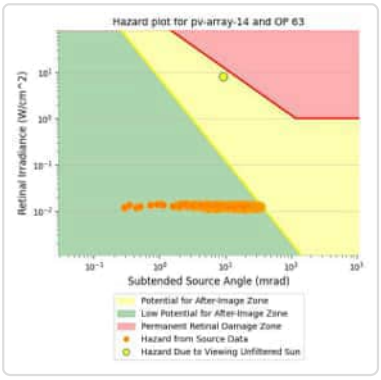
PV array 14: OP 63

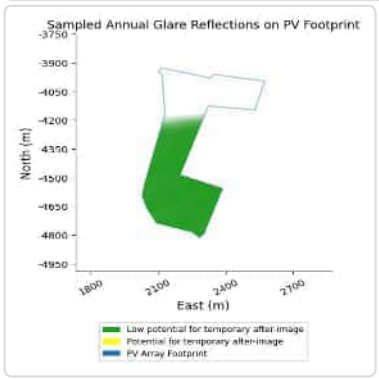
PV array is expected to produce the following glare for this receptor:

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





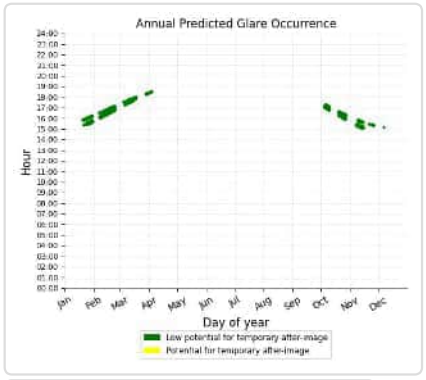


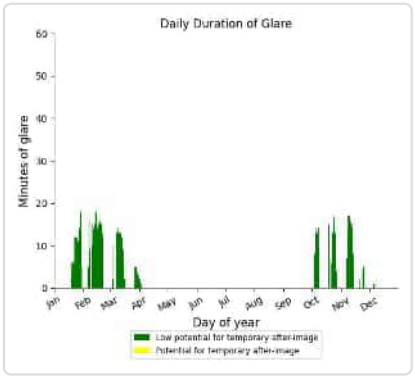


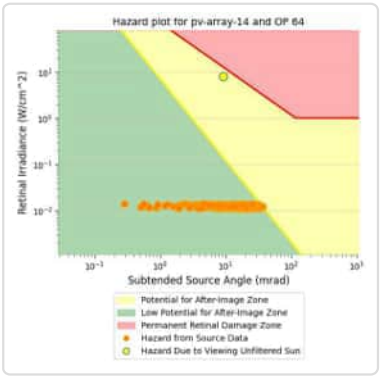
PV array 14: OP 64

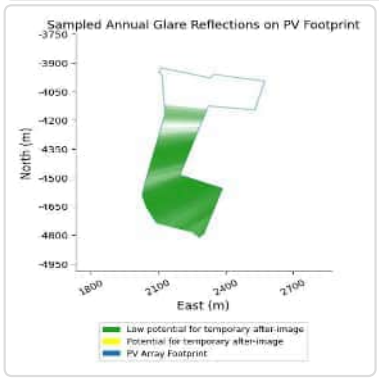
PV array is expected to produce the following glare for this receptor:

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









PV array 14: OP 65

No glare found

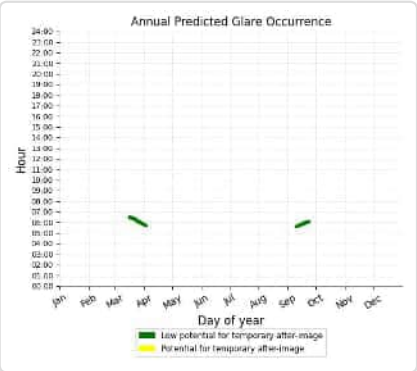
PV array 14: OP 66

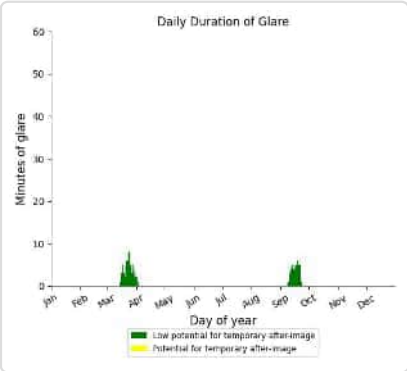
No glare found

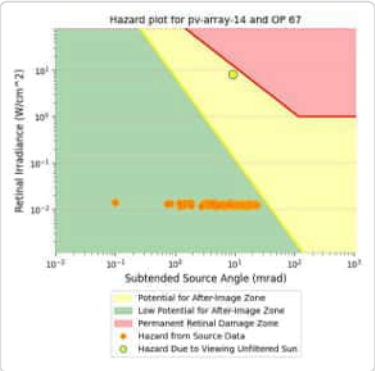
PV array 14: OP 67

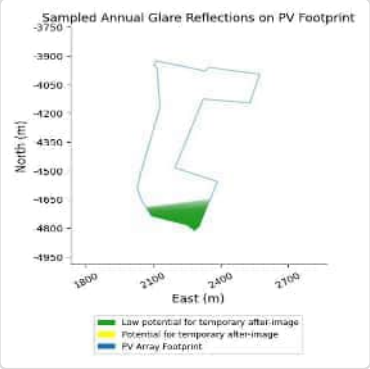
PV array is expected to produce the following glare for this receptor:

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









PV array 14: OP 68

No glare found

PV array 14: OP 69

No glare found

PV array 14: OP 70

No glare found

PV array 14: OP 71

No glare found

PV array 14: OP 72

No glare found

PV array 14: OP 73

No glare found

PV array 14: OP 74

No glare found

PV array 14: OP 75

No glare found

PV array 14: OP 76

No glare found

PV array 14: OP 77

No glare found

PV array 14: OP 78

No glare found

PV array 14: OP 79

No glare found

PV array 15 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	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	35	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	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
OP: OP 52	0	0
OP: OP 53	308	0
OP: OP 54	19	0
OP: OP 55	0	0
OP: OP 56	277	0
OP: OP 57	324	0
OP: OP 58	271	0
OP: OP 59	304	0
OP: OP 60	325	0
OP: OP 61	290	0
OP: OP 62	159	0
OP: OP 63	586	2
OP: OP 64	501	11
OP: OP 65	0	0
OP: OP 66	16	0
OP: OP 67	49	0
OP: OP 68	26	0
OP: OP 69	27	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	47	0
OP: OP 74	39	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

PV array 15: OP 1

No glare found

PV array 15: OP 2

No glare found

PV array 15: OP 3

No glare found

PV array 15: OP 4

No glare found

PV array 15: OP 5
No glare found

PV array 15: OP 6
No glare found

PV array 15: OP 7
No glare found

PV array 15: OP 8
No glare found

PV array 15: OP 9
No glare found

PV array 15: OP 10
No glare found

PV array 15: OP 11
No glare found

PV array 15: OP 12
No glare found

PV array 15: OP 13
No glare found

PV array 15: OP 14
No glare found

PV array 15: OP 15
No glare found

PV array 15: OP 16
No glare found

PV array 15: OP 17
No glare found

PV array 15: OP 18
No glare found

PV array 15: OP 19
No glare found

PV array 15: OP 20
No glare found

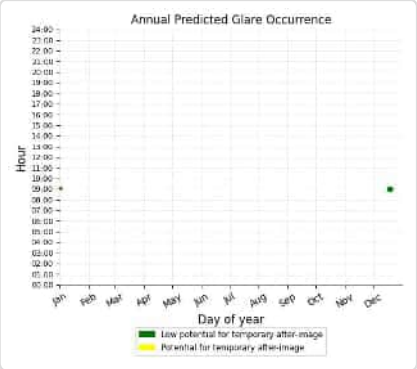
PV array 15: OP 21

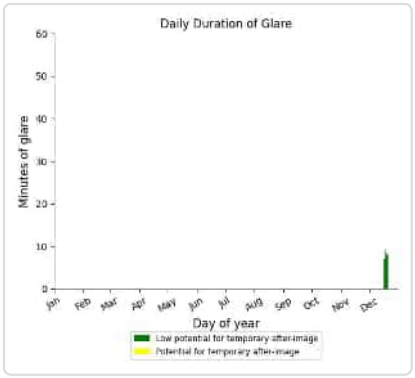
No glare found

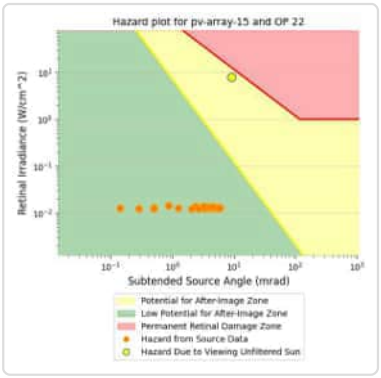
PV array 15: OP 22

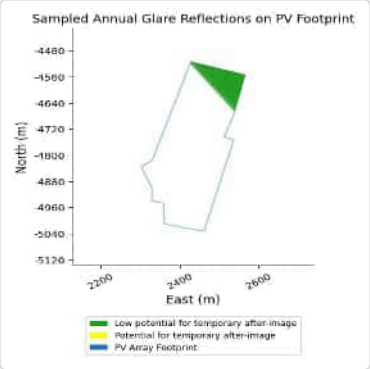
PV array is expected to produce the following glare for this receptor:

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









PV array 15: OP 23

No glare found

PV array 15: OP 24

No glare found

PV array 15: OP 25

No glare found

PV array 15: OP 26

No glare found

PV array 15: OP 27

No glare found

PV array 15: OP 28

No glare found

PV array 15: OP 29

No glare found

PV array 15: OP 30

No glare found

PV array 15: OP 31
No glare found

PV array 15: OP 32
No glare found

PV array 15: OP 33
No glare found

PV array 15: OP 34
No glare found

PV array 15: OP 35
No glare found

PV array 15: OP 36
No glare found

PV array 15: OP 37
No glare found

PV array 15: OP 38
No glare found

PV array 15: OP 39
No glare found

PV array 15: OP 40
No glare found

PV array 15: OP 41
No glare found

PV array 15: OP 42
No glare found

PV array 15: OP 43
No glare found

PV array 15: OP 44
No glare found

PV array 15: OP 45
No glare found

PV array 15: OP 46
No glare found

PV array 15: OP 47

No glare found

PV array 15: OP 48

No glare found

PV array 15: OP 49

No glare found

PV array 15: OP 50

No glare found

PV array 15: OP 51

No glare found

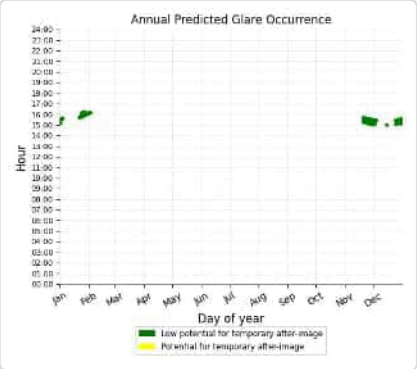
PV array 15: OP 52

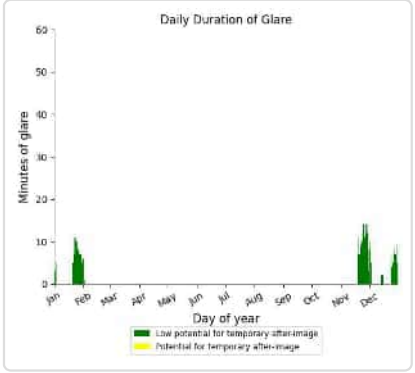
No glare found

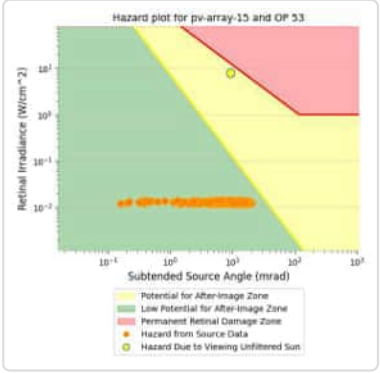
PV array 15: OP 53

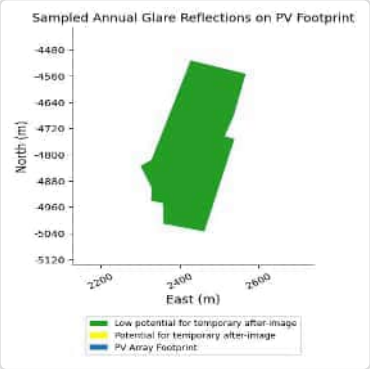
PV array is expected to produce the following glare for this receptor:

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





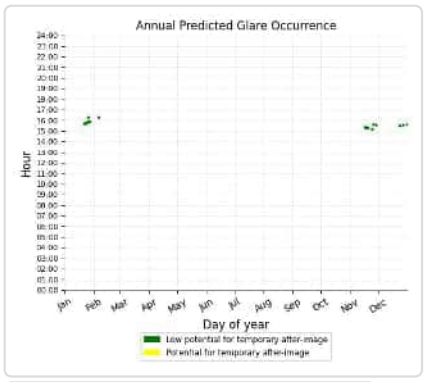


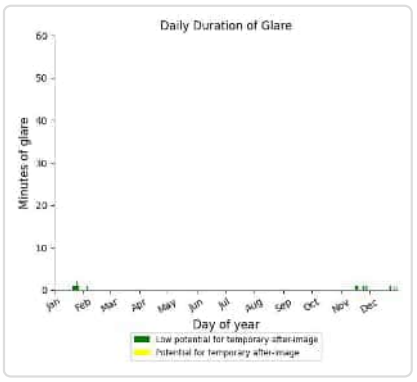


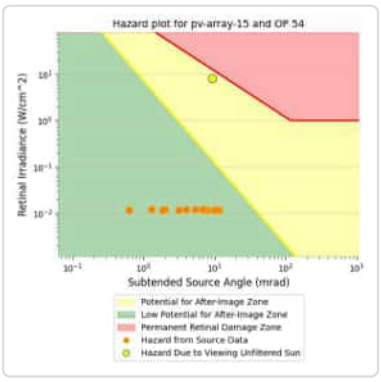
PV array 15: OP 54

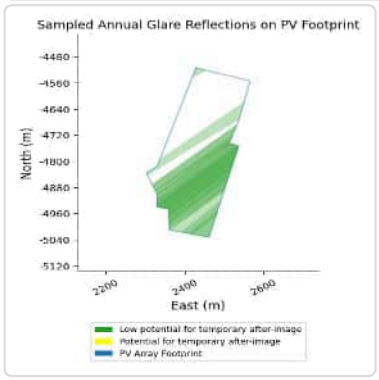
PV array is expected to produce the following glare for this receptor:

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









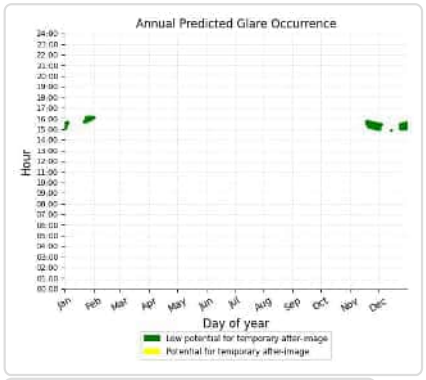
PV array 15: OP 55

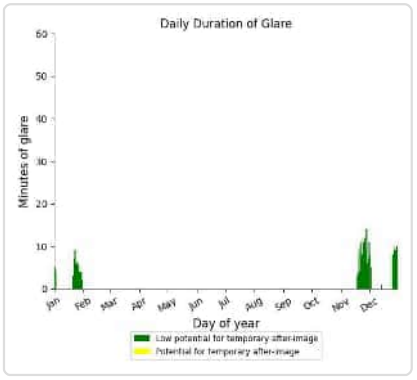
No glare found

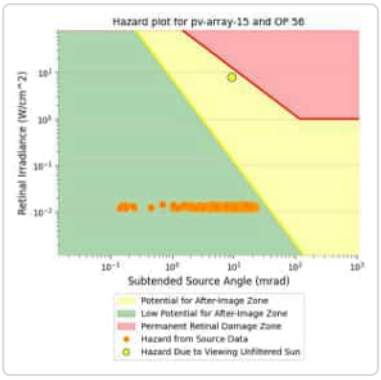
PV array 15: OP 56

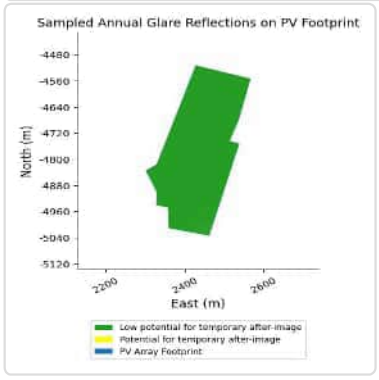
PV array is expected to produce the following glare for this receptor:

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





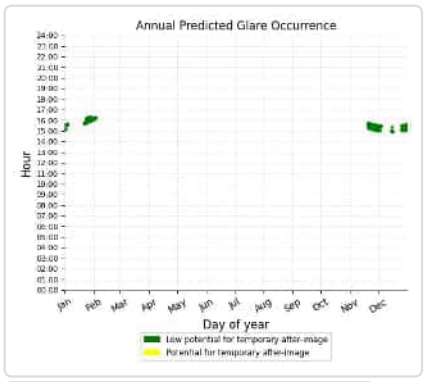


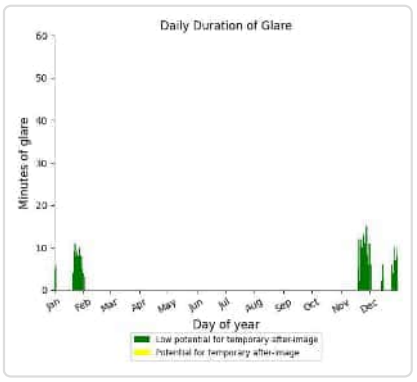


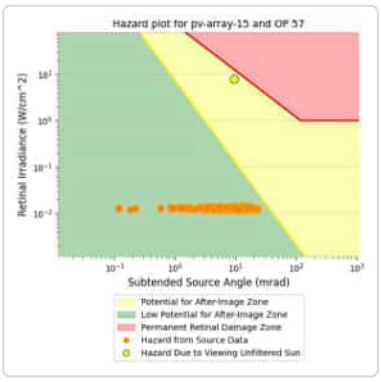
PV array 15: OP 57

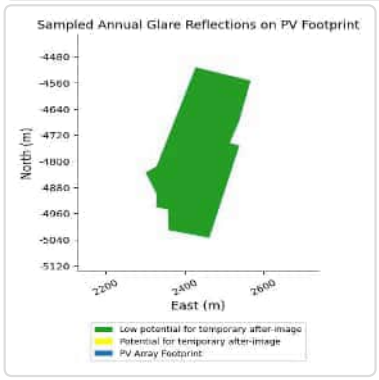
PV array is expected to produce the following glare for this receptor:

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





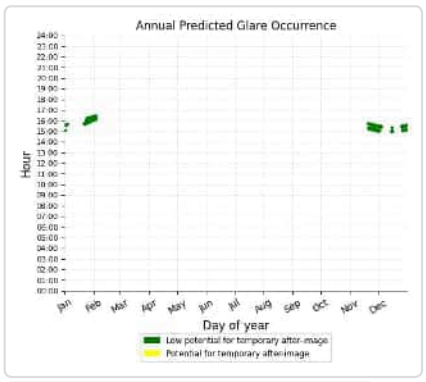


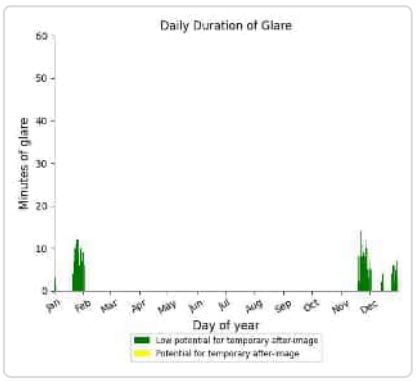


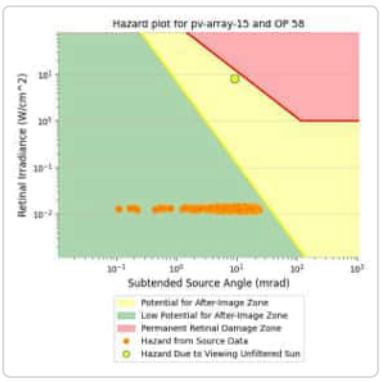
PV array 15: OP 58

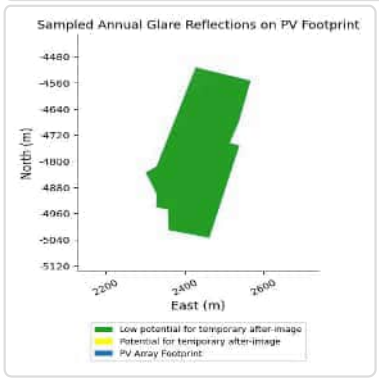
PV array is expected to produce the following glare for this receptor:

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





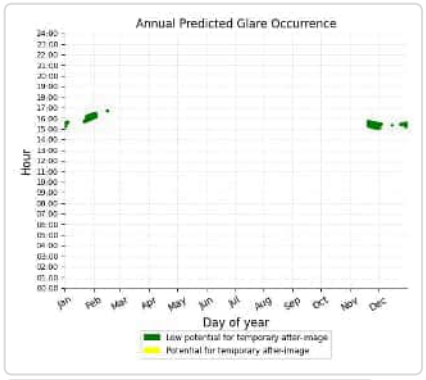


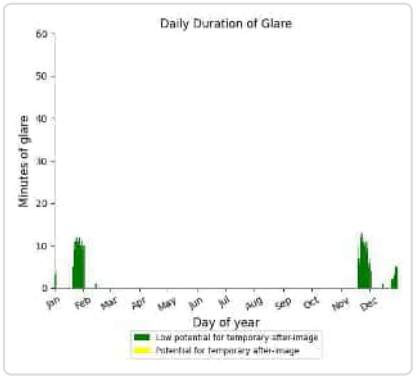


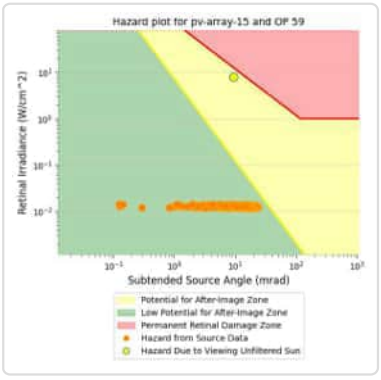
PV array 15: OP 59

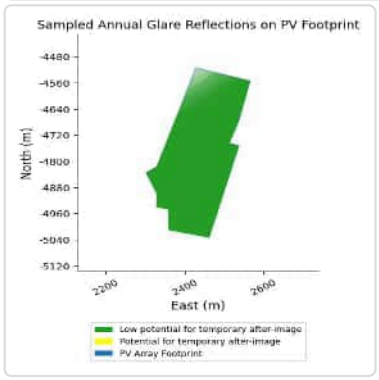
PV array is expected to produce the following glare for this receptor:

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





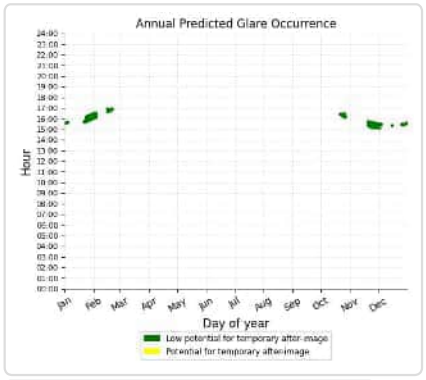


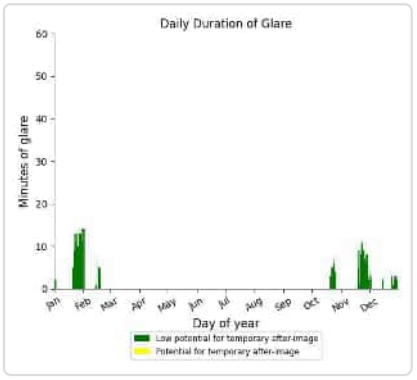


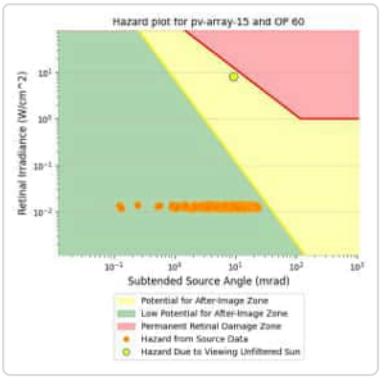
PV array 15: OP 60

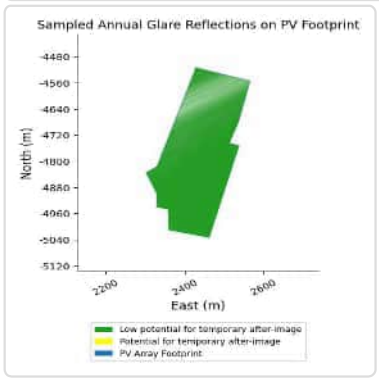
PV array is expected to produce the following glare for this receptor:

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





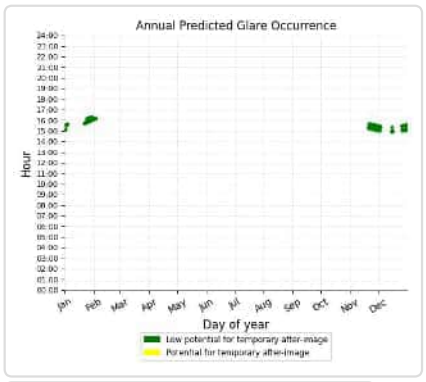


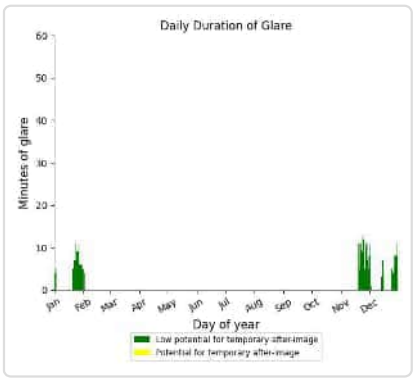


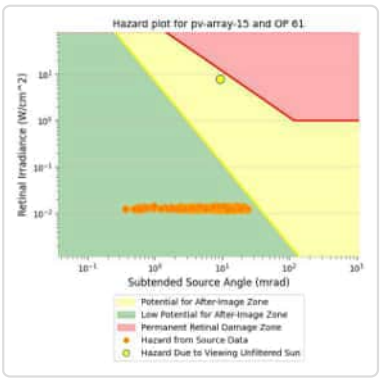
PV array 15: OP 61

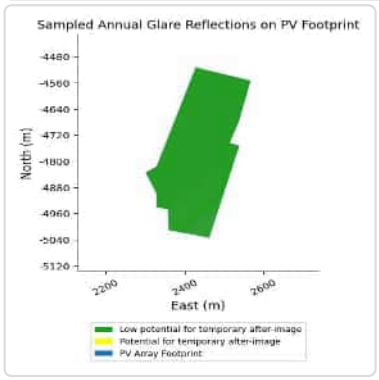
PV array is expected to produce the following glare for this receptor:

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





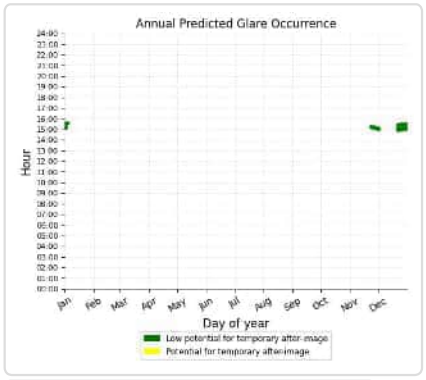


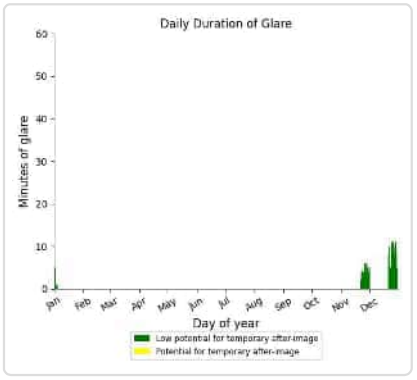


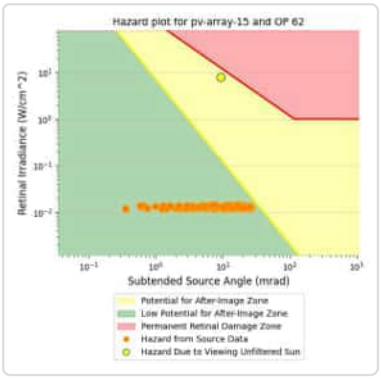
PV array 15: OP 62

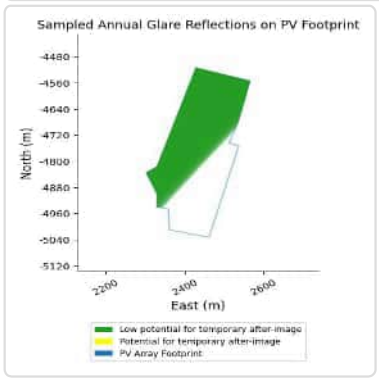
PV array is expected to produce the following glare for this receptor:

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





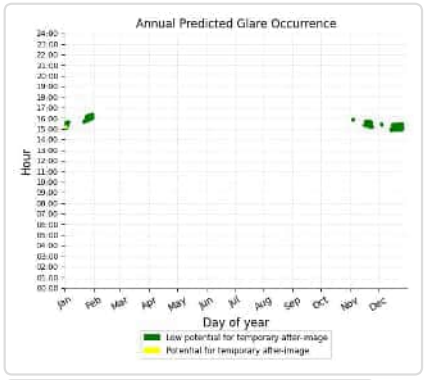


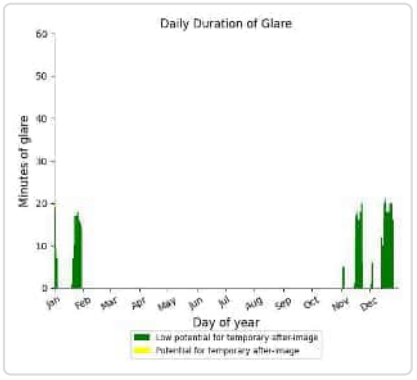


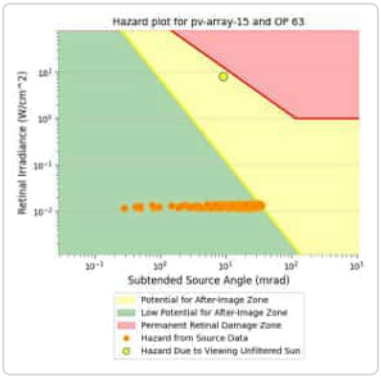
PV array 15: OP 63

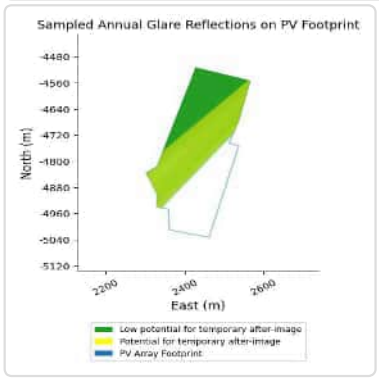
PV array is expected to produce the following glare for this receptor:

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





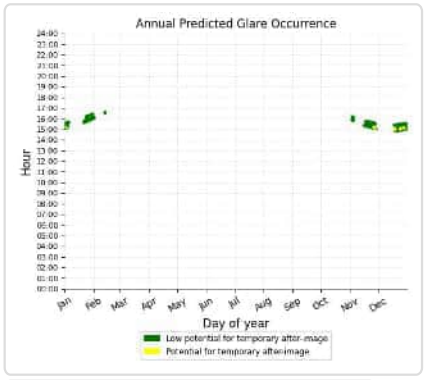


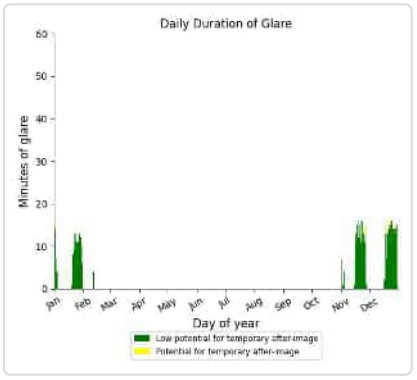


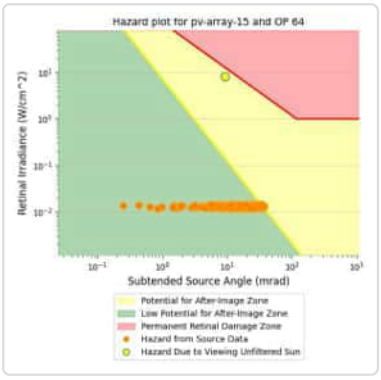
PV array 15: OP 64

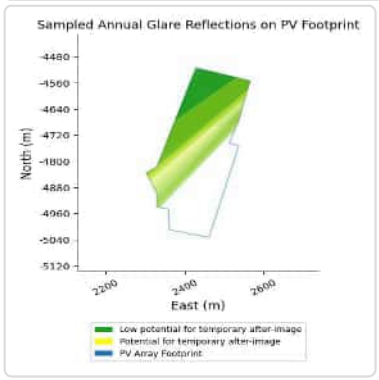
PV array is expected to produce the following glare for this receptor:

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









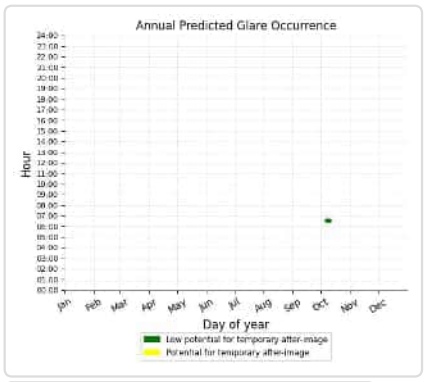
PV array 15: OP 65

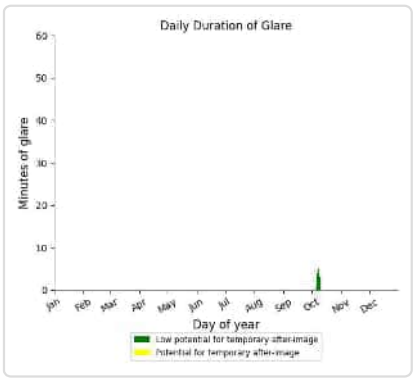
No glare found

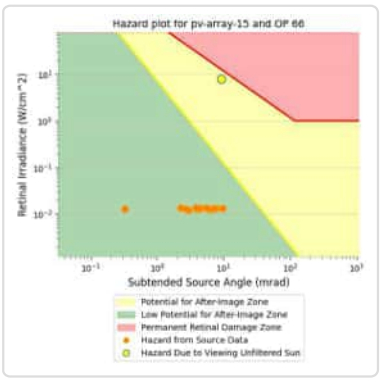
PV array 15: OP 66

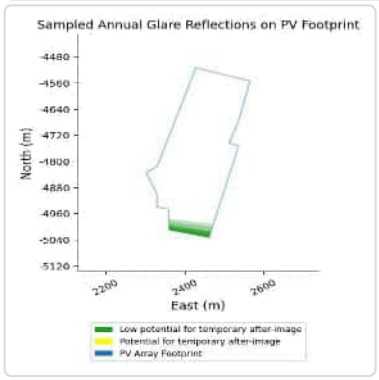
PV array is expected to produce the following glare for this receptor:

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





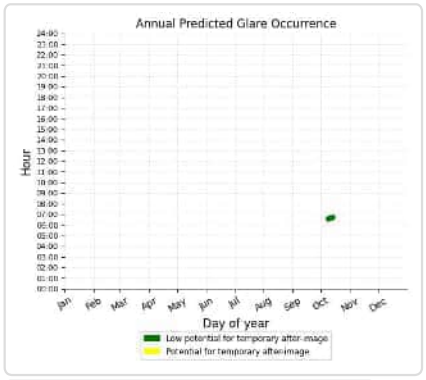


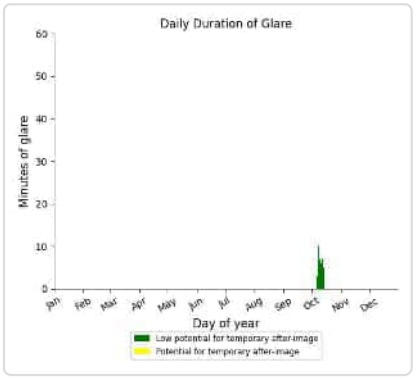


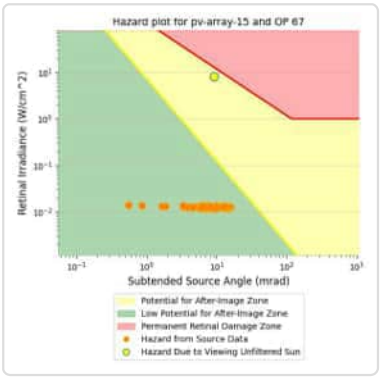
PV array 15: OP 67

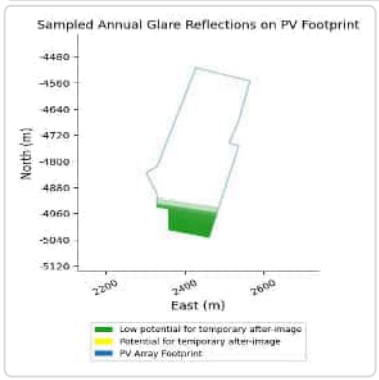
PV array is expected to produce the following glare for this receptor:

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





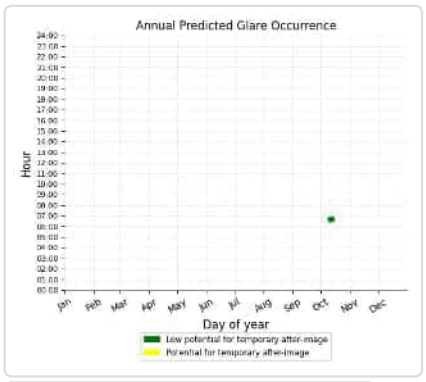


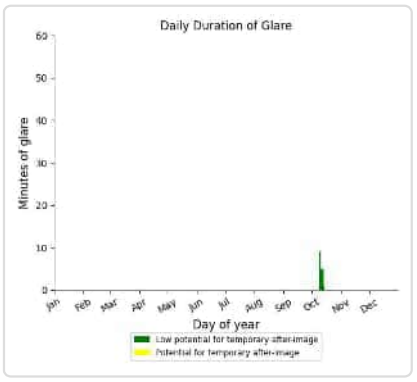


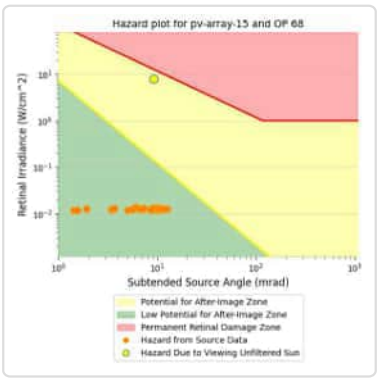
PV array 15: OP 68

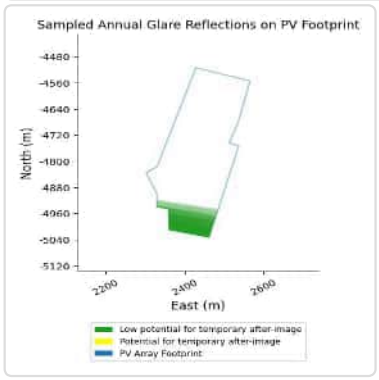
PV array is expected to produce the following glare for this receptor:

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





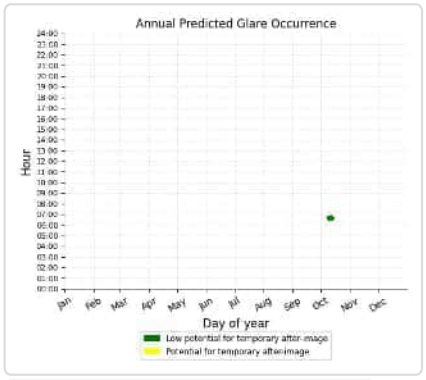


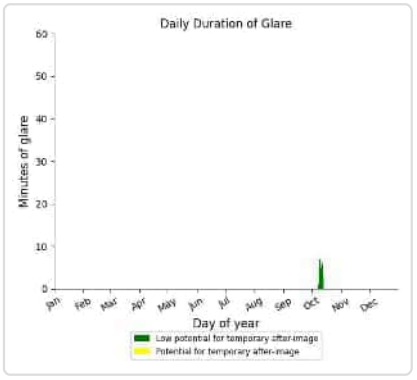


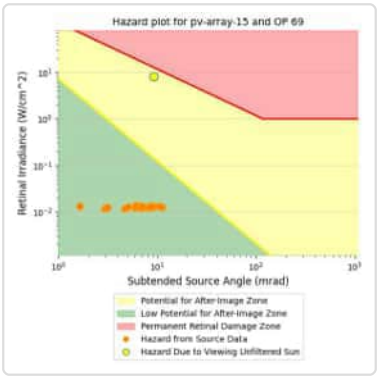
PV array 15: OP 69

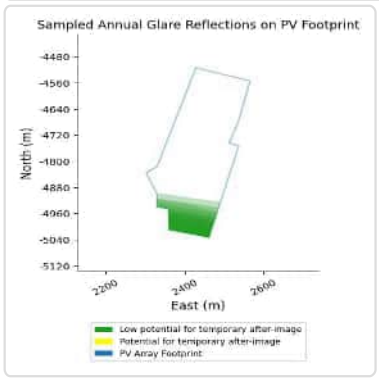
PV array is expected to produce the following glare for this receptor:

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









PV array 15: OP 70

No glare found

PV array 15: OP 71

No glare found

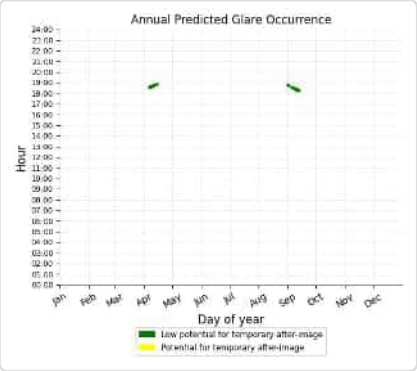
PV array 15: OP 72

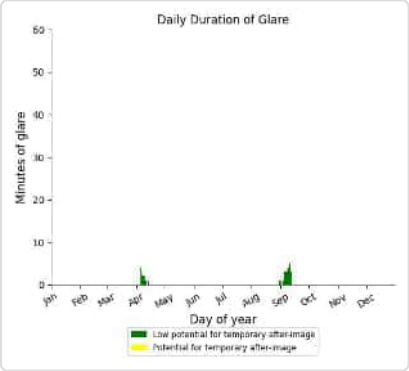
No glare found

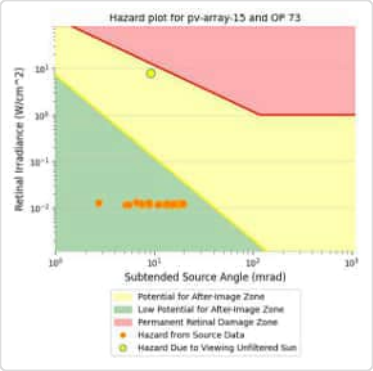
PV array 15: OP 73

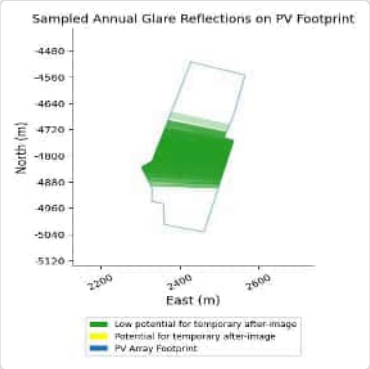
PV array is expected to produce the following glare for this receptor:

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





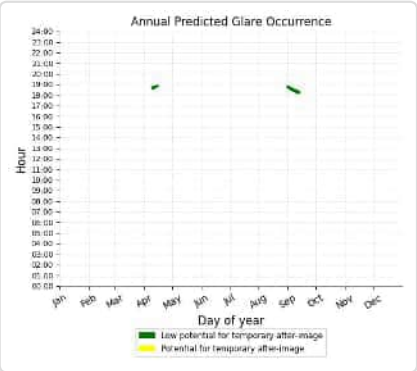


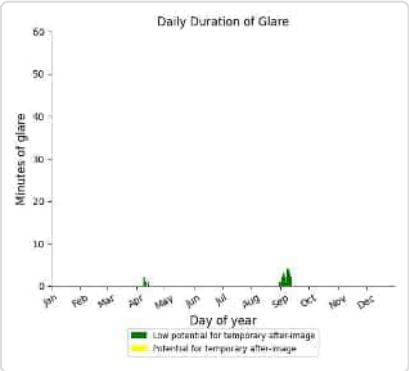


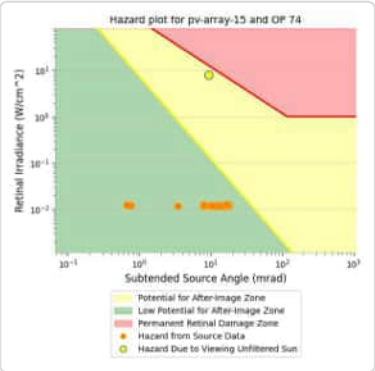
PV array 15: OP 74

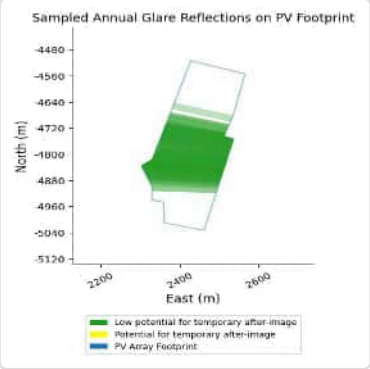
PV array is expected to produce the following glare for this receptor:

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









PV array 15: OP 75

No glare found

PV array 15: OP 76

No glare found

PV array 15: OP 77

No glare found

PV array 15: OP 78

No glare found

PV array 15: OP 79

No glare found

PV array 2 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	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	1717	979
OP: OP 10	1675	1535
OP: OP 11	1322	1458
OP: OP 12	276	41
OP: OP 13	299	74
OP: OP 14	132914	19666
OP: OP 15	143297	19912
OP: OP 16	2945	3994
OP: OP 17	214	0
OP: OP 18	288	0
OP: OP 19	655	17
OP: OP 20	185	0
OP: OP 21	171	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	171	0
OP: OP 31	551	237
OP: OP 32	573	310
OP: OP 33	432	88
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	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
OP: OP 52	85	0
OP: OP 53	20	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0

OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

PV array 2: OP 1

No glare found

PV array 2: OP 2

No glare found

PV array 2: OP 3

No glare found

PV array 2: OP 4

No glare found

PV array 2: OP 5

No glare found

PV array 2: OP 6

No glare found

PV array 2: OP 7

No glare found

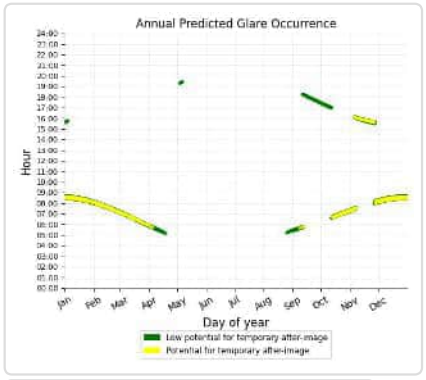
PV array 2: OP 8

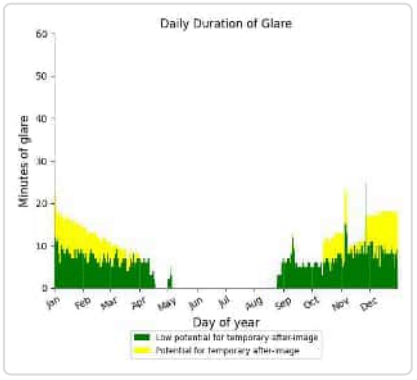
No glare found

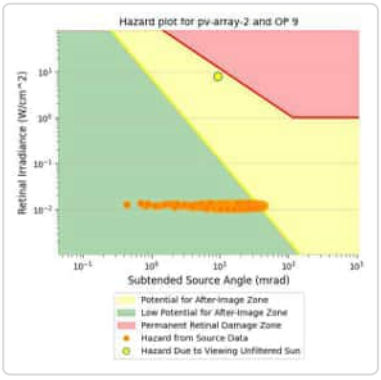
PV array 2: OP 9

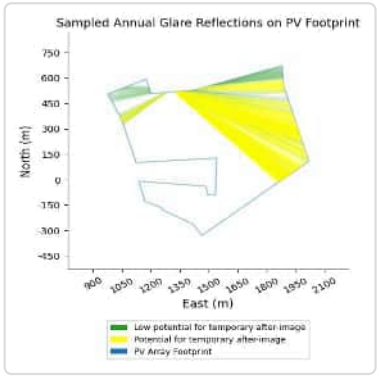
PV array is expected to produce the following glare for this receptor:

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





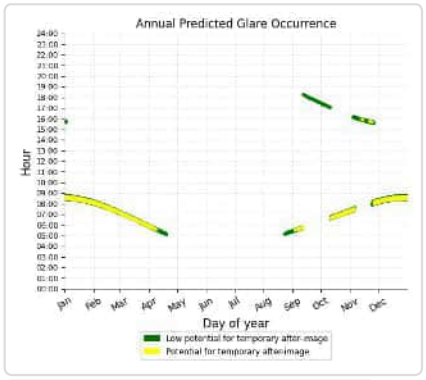


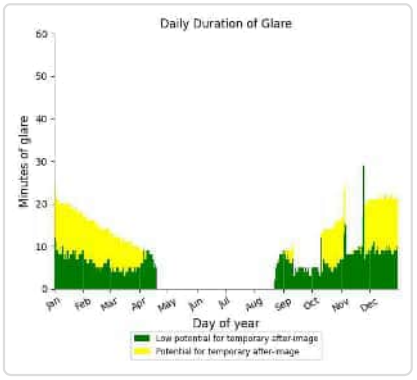


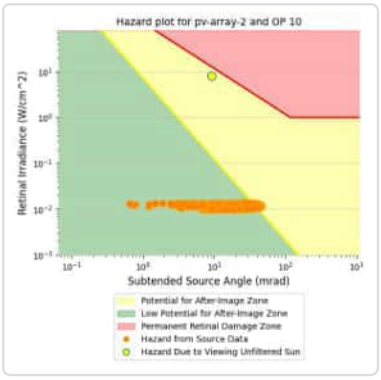
PV array 2: OP 10

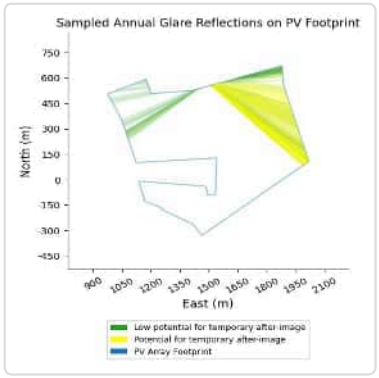
PV array is expected to produce the following glare for this receptor:

- 1,675 minutes of "green" glare with low potential to cause temporary after-image.
- 1,535 minutes of "yellow" glare with potential to cause temporary after-image.





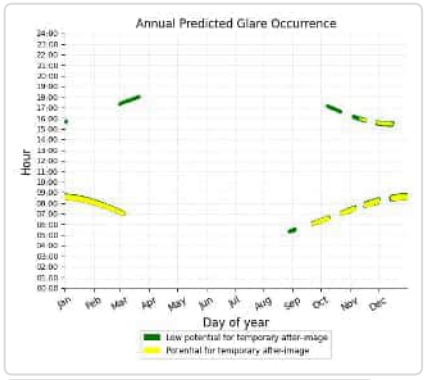


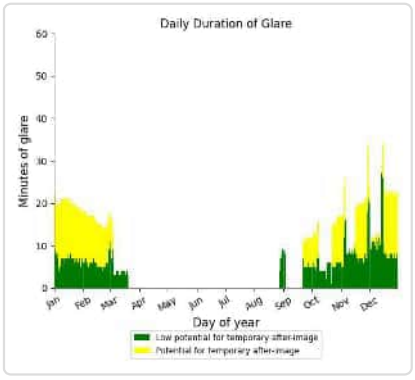


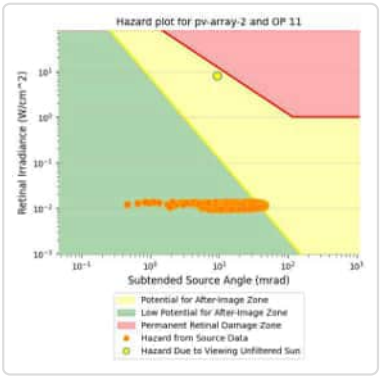
PV array 2: OP 11

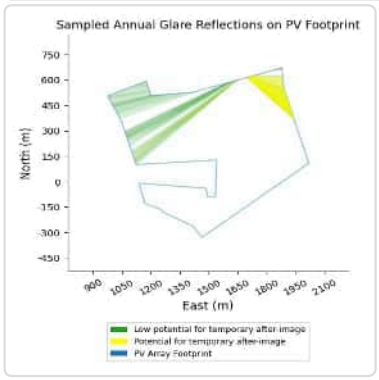
PV array is expected to produce the following glare for this receptor:

- 1,322 minutes of "green" glare with low potential to cause temporary after-image.
- 1,458 minutes of "yellow" glare with potential to cause temporary after-image.





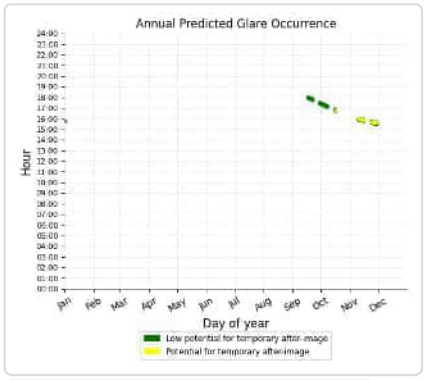


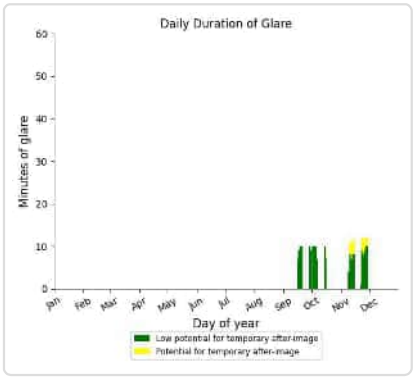


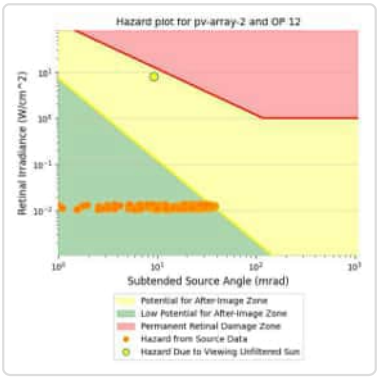
PV array 2: OP 12

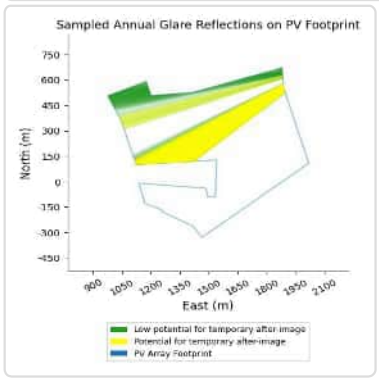
PV array is expected to produce the following glare for this receptor:

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





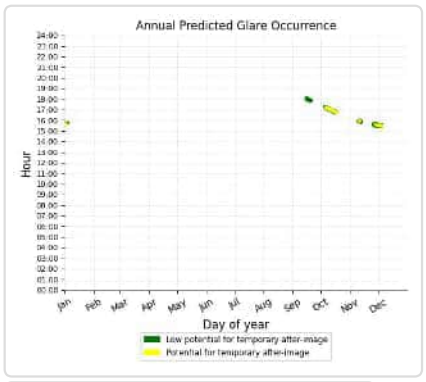


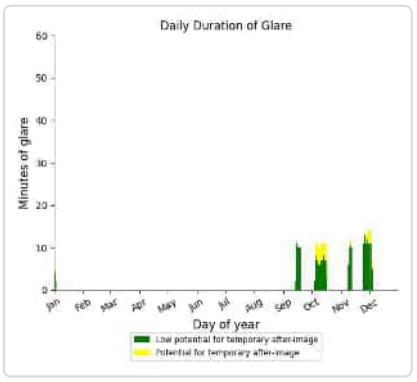


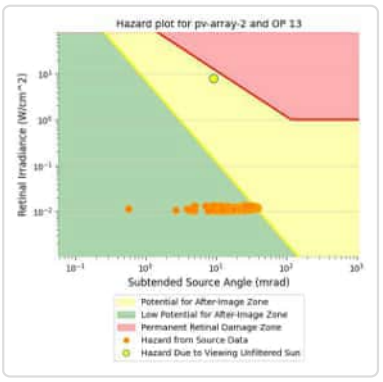
PV array 2: OP 13

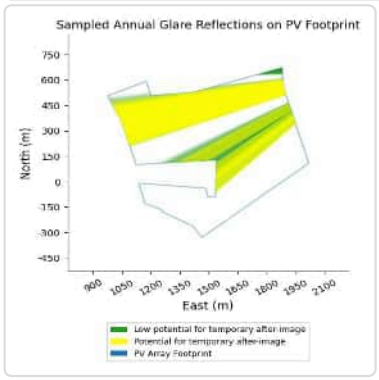
PV array is expected to produce the following glare for this receptor:

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





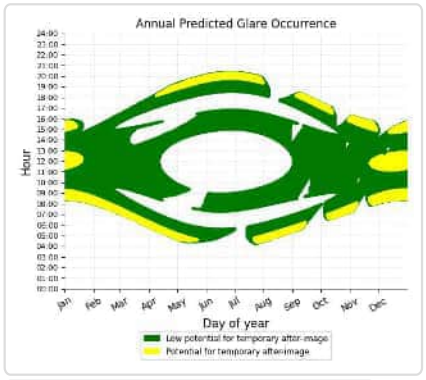


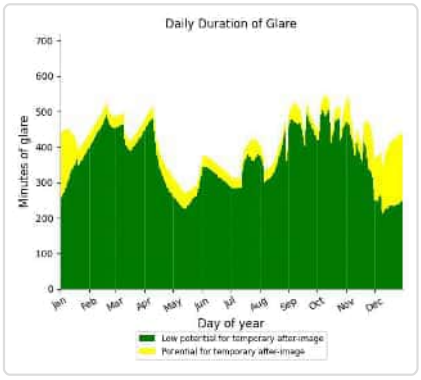


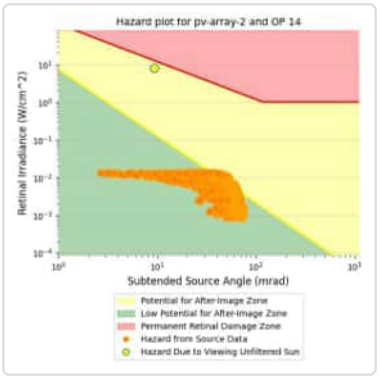
PV array 2: OP 14

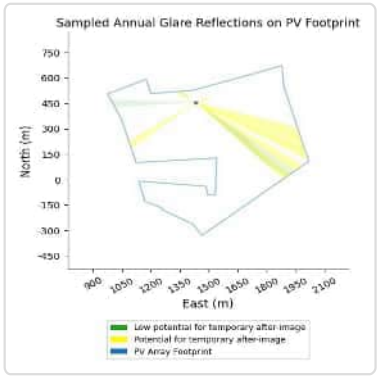
PV array is expected to produce the following glare for this receptor:

- 132,914 minutes of "green" glare with low potential to cause temporary after-image.
- 19,666 minutes of "yellow" glare with potential to cause temporary after-image.





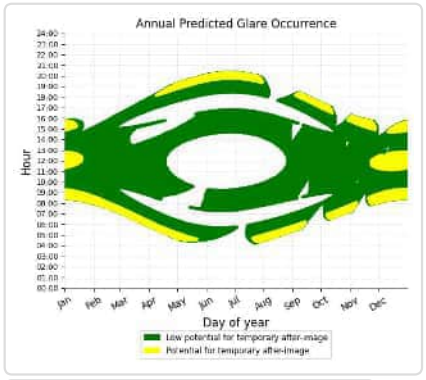


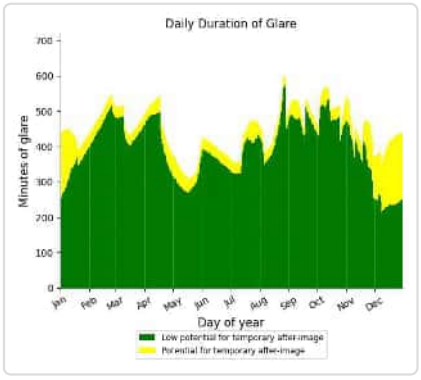


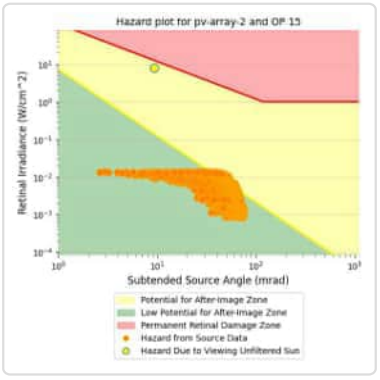
PV array 2: OP 15

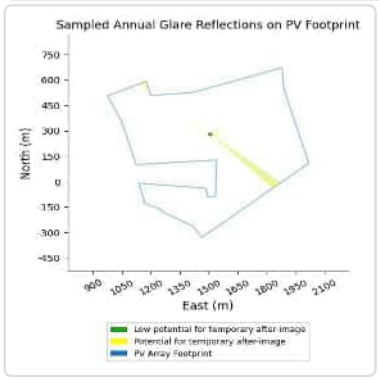
PV array is expected to produce the following glare for this receptor:

- 143,297 minutes of "green" glare with low potential to cause temporary after-image.
- 19,912 minutes of "yellow" glare with potential to cause temporary after-image.





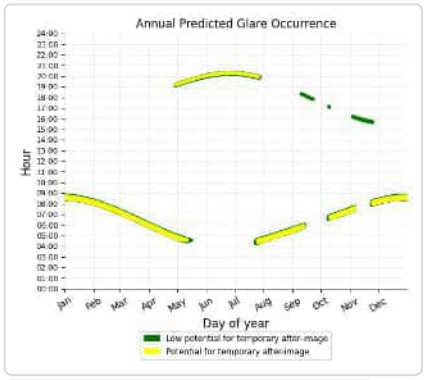


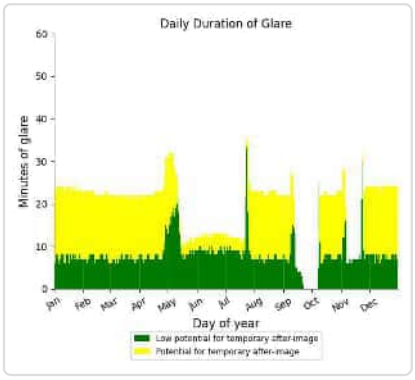


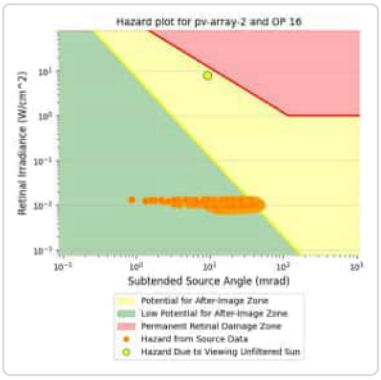
PV array 2: OP 16

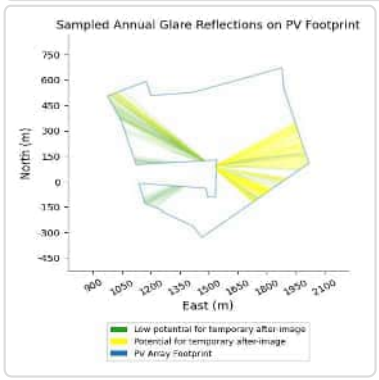
PV array is expected to produce the following glare for this receptor:

- 2,945 minutes of "green" glare with low potential to cause temporary after-image.
- 3,994 minutes of "yellow" glare with potential to cause temporary after-image.





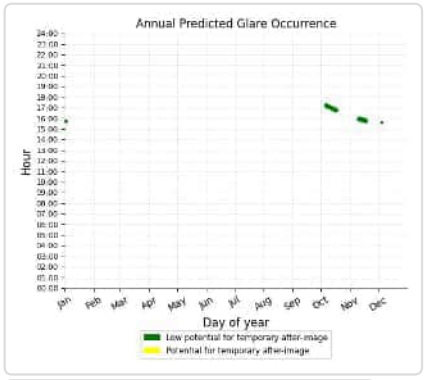


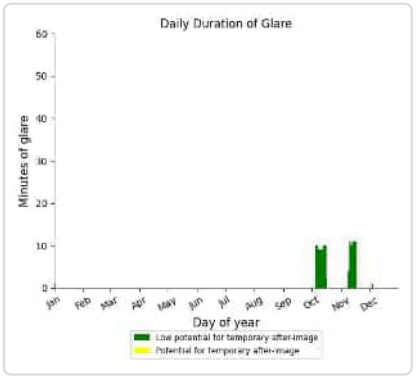


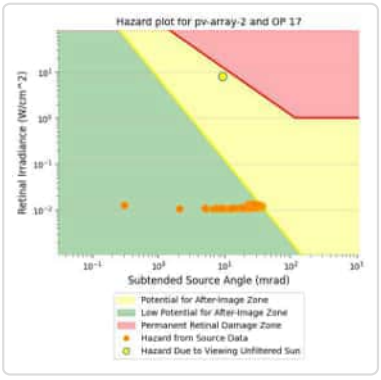
PV array 2: OP 17

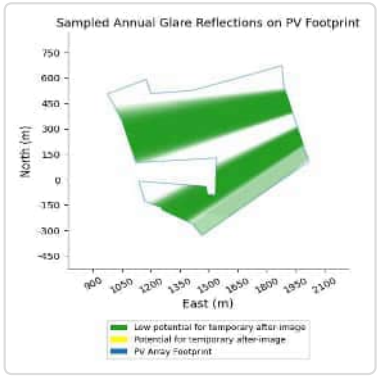
PV array is expected to produce the following glare for this receptor:

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





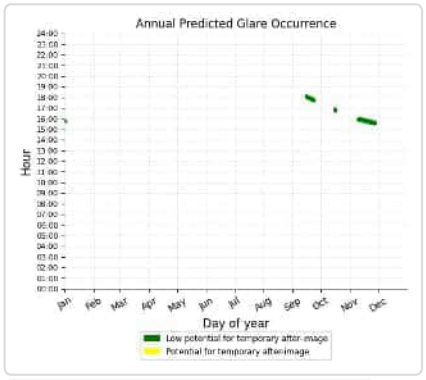


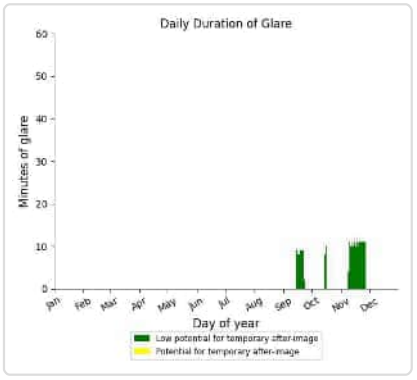


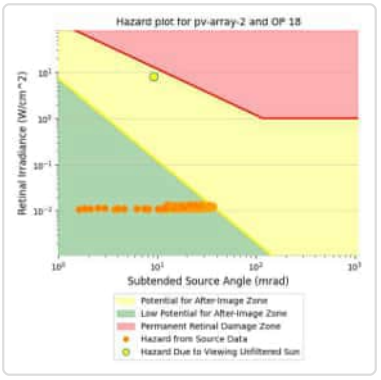
PV array 2: OP 18

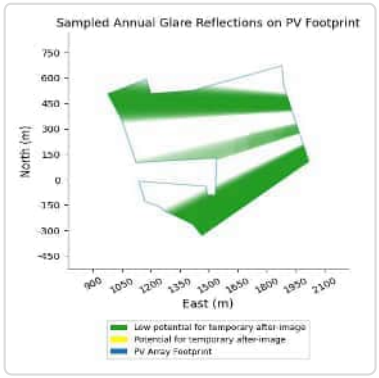
PV array is expected to produce the following glare for this receptor:

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





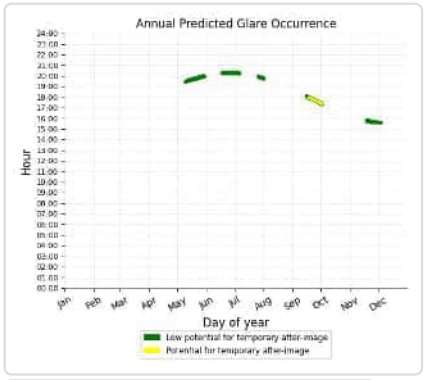


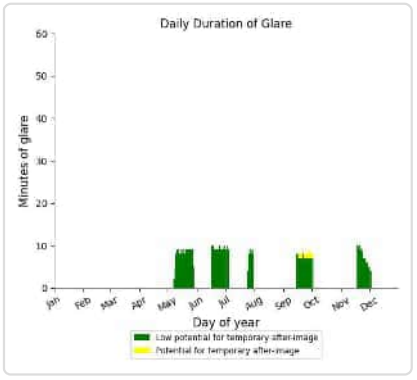


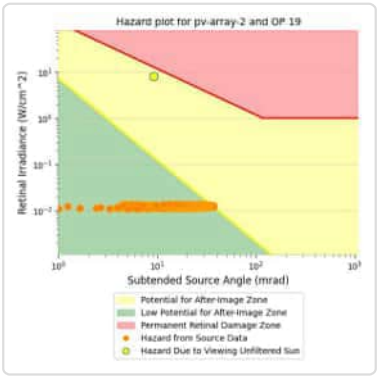
PV array 2: OP 19

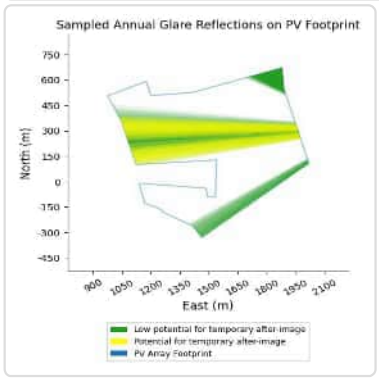
PV array is expected to produce the following glare for this receptor:

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





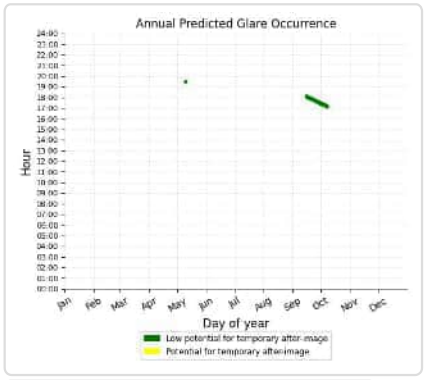


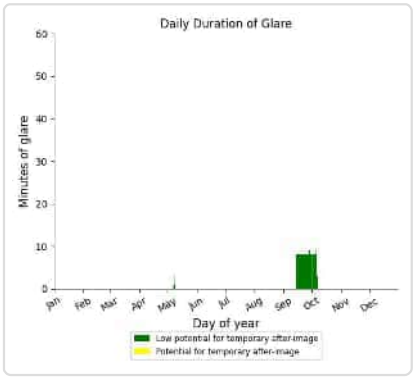


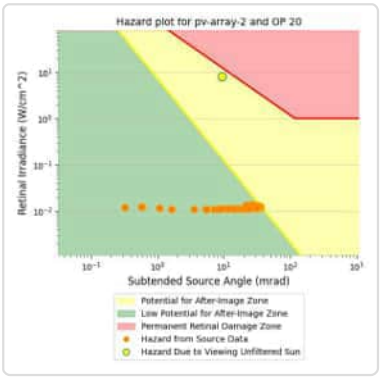
PV array 2: OP 20

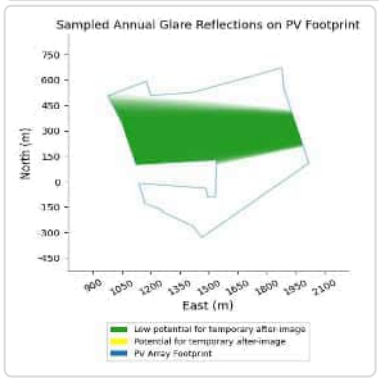
PV array is expected to produce the following glare for this receptor:

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





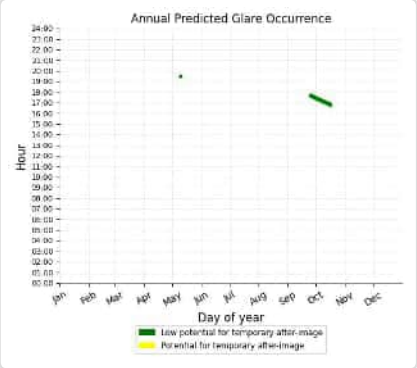


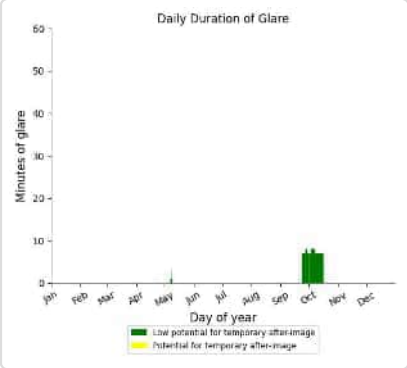


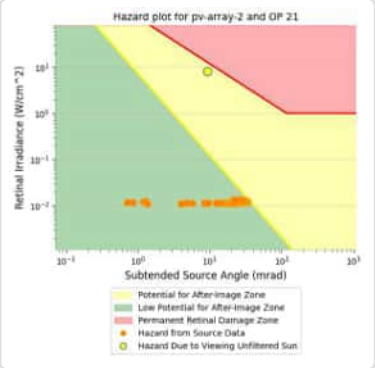
PV array 2: OP 21

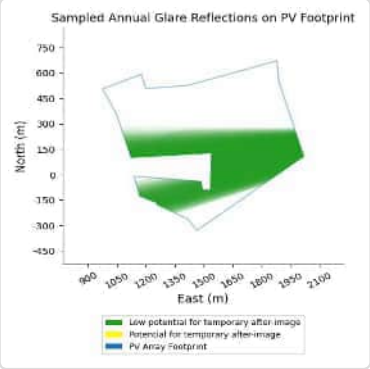
PV array is expected to produce the following glare for this receptor:

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









PV array 2: OP 22

No glare found

PV array 2: OP 23

No glare found

PV array 2: OP 24

No glare found

PV array 2: OP 25

No glare found

PV array 2: OP 26

No glare found

PV array 2: OP 27

No glare found

PV array 2: OP 28

No glare found

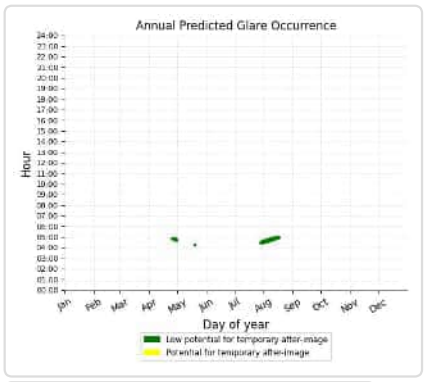
PV array 2: OP 29

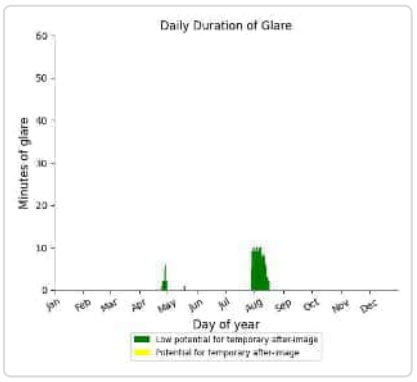
No glare found

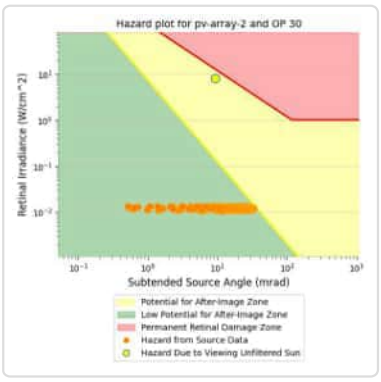
PV array 2: OP 30

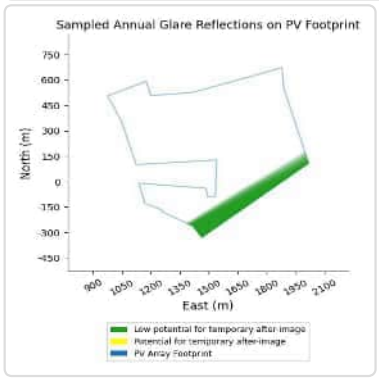
PV array is expected to produce the following glare for this receptor:

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





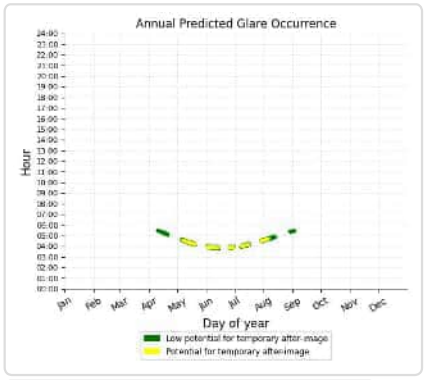


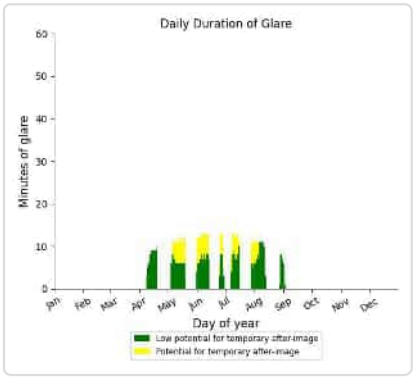


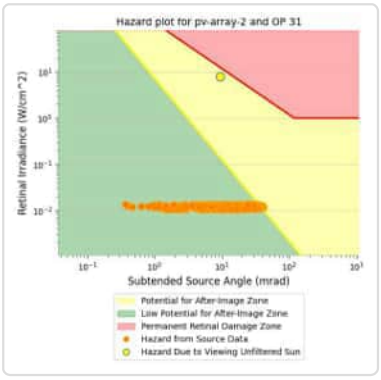
PV array 2: OP 31

PV array is expected to produce the following glare for this receptor:

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



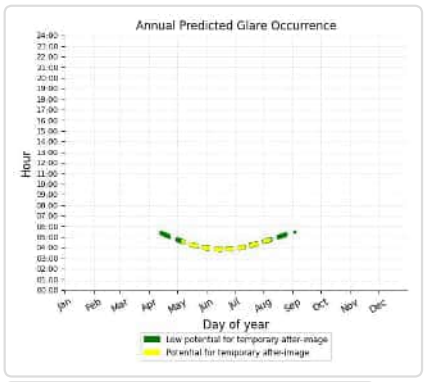


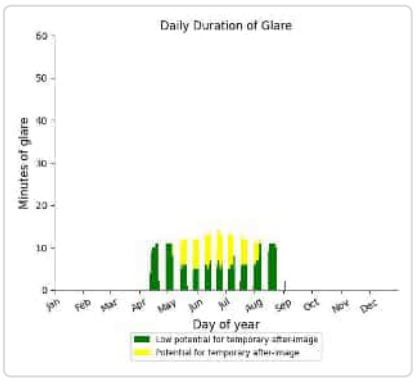


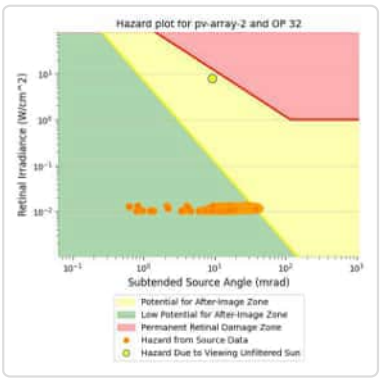
PV array 2: OP 32

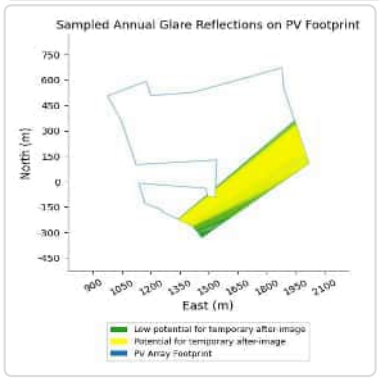
PV array is expected to produce the following glare for this receptor:

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





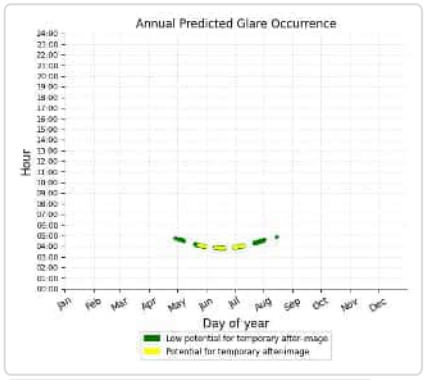


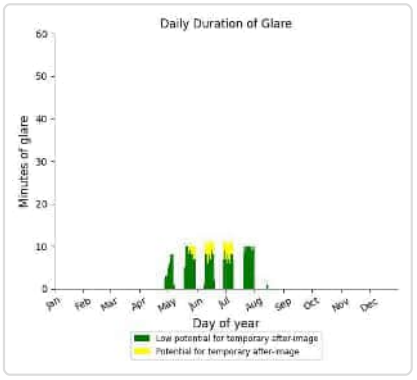


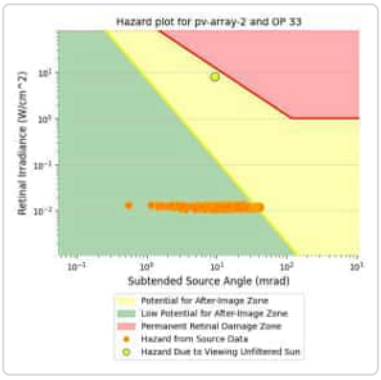
PV array 2: OP 33

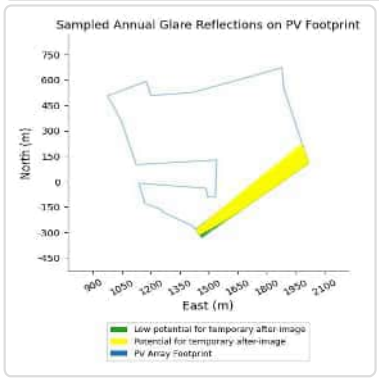
PV array is expected to produce the following glare for this receptor:

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









PV array 2: OP 34

No glare found

PV array 2: OP 35
No glare found

PV array 2: OP 36
No glare found

PV array 2: OP 37
No glare found

PV array 2: OP 38
No glare found

PV array 2: OP 39
No glare found

PV array 2: OP 40
No glare found

PV array 2: OP 41
No glare found

PV array 2: OP 42
No glare found

PV array 2: OP 43
No glare found

PV array 2: OP 44
No glare found

PV array 2: OP 45
No glare found

PV array 2: OP 46
No glare found

PV array 2: OP 47
No glare found

PV array 2: OP 48
No glare found

PV array 2: OP 49
No glare found

PV array 2: OP 50
No glare found

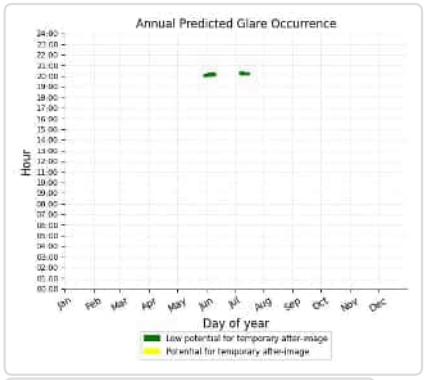
PV array 2: OP 51

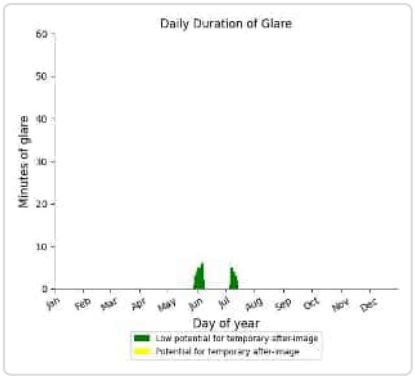
No glare found

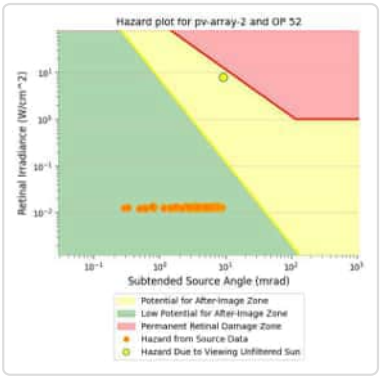
PV array 2: OP 52

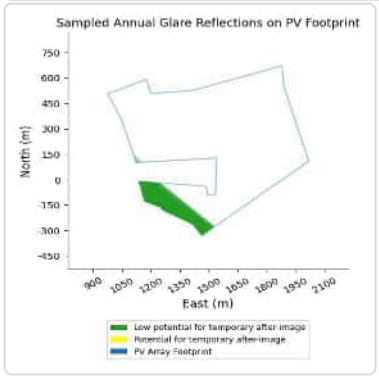
PV array is expected to produce the following glare for this receptor:

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





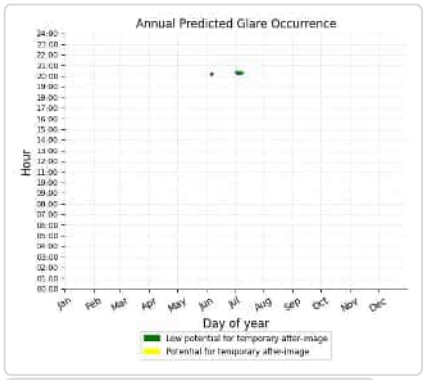


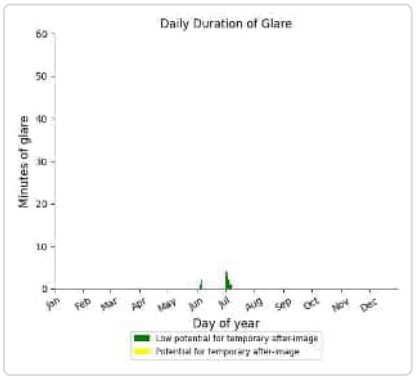


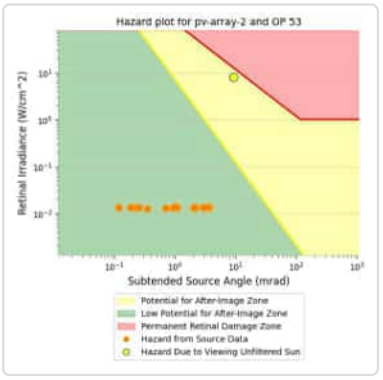
PV array 2: OP 53

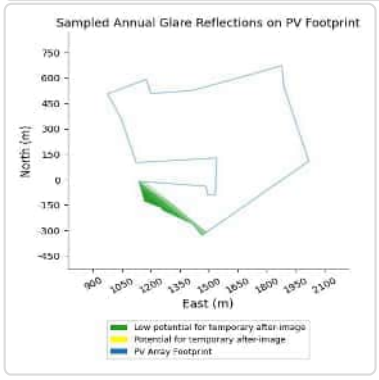
PV array is expected to produce the following glare for this receptor:

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









PV array 2: OP 54
No glare found

PV array 2: OP 55
No glare found

PV array 2: OP 56
No glare found

PV array 2: OP 57
No glare found

PV array 2: OP 58
No glare found

PV array 2: OP 59
No glare found

PV array 2: OP 60
No glare found

PV array 2: OP 61
No glare found

PV array 2: OP 62
No glare found

PV array 2: OP 63
No glare found

PV array 2: OP 64
No glare found

PV array 2: OP 65
No glare found

PV array 2: OP 66
No glare found

PV array 2: OP 67
No glare found

PV array 2: OP 68
No glare found

PV array 2: OP 69
No glare found

PV array 2: OP 70
No glare found

PV array 2: OP 71
No glare found

PV array 2: OP 72
No glare found

PV array 2: OP 73
No glare found

PV array 2: OP 74
No glare found

PV array 2: OP 75
No glare found

PV array 2: OP 76
No glare found

PV array 2: OP 77
No glare found

PV array 2: OP 78
No glare found

PV array 2: OP 79
No glare found

PV array 3 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	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	481	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	27	0
OP: OP 27	2492	2439
OP: OP 28	1913	1127
OP: OP 29	1229	278
OP: OP 30	194	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	184	0
OP: OP 36	190	0
OP: OP 37	183	0
OP: OP 38	159	66
OP: OP 39	128	0
OP: OP 40	219	0
OP: OP 41	0	0
OP: OP 42	0	0
OP: OP 43	0	0
OP: OP 44	0	0
OP: OP 45	218	0
OP: OP 46	216	0
OP: OP 47	215	0
OP: OP 48	216	0
OP: OP 49	218	0
OP: OP 50	216	0
OP: OP 51	216	0
OP: OP 52	216	0
OP: OP 53	220	0
OP: OP 54	214	0
OP: OP 55	220	0
OP: OP 56	224	0
OP: OP 57	206	0
OP: OP 58	173	0
OP: OP 59	154	0
OP: OP 60	43	0
OP: OP 61	207	0
OP: OP 62	223	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0

OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

PV array 3: OP 1
No glare found

PV array 3: OP 2
No glare found

PV array 3: OP 3
No glare found

PV array 3: OP 4
No glare found

PV array 3: OP 5
No glare found

PV array 3: OP 6
No glare found

PV array 3: OP 7
No glare found

PV array 3: OP 8
No glare found

PV array 3: OP 9
No glare found

PV array 3: OP 10
No glare found

PV array 3: OP 11
No glare found

PV array 3: OP 12
No glare found

PV array 3: OP 13
No glare found

PV array 3: OP 14

No glare found

PV array 3: OP 15

No glare found

PV array 3: OP 16

No glare found

PV array 3: OP 17

No glare found

PV array 3: OP 18

No glare found

PV array 3: OP 19

No glare found

PV array 3: OP 20

No glare found

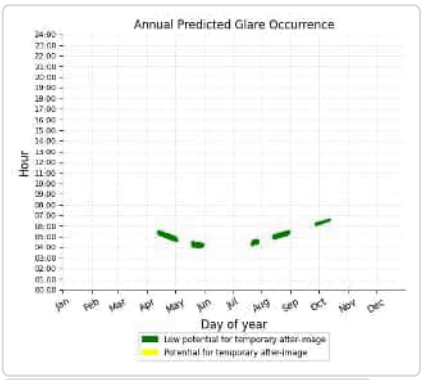
PV array 3: OP 21

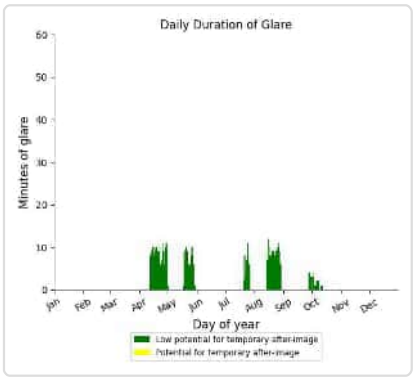
No glare found

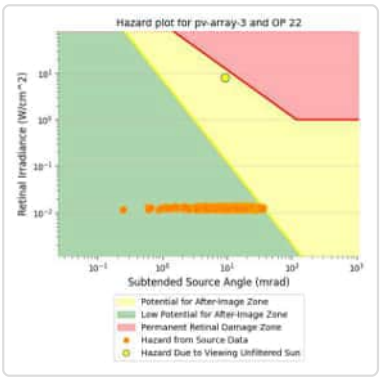
PV array 3: OP 22

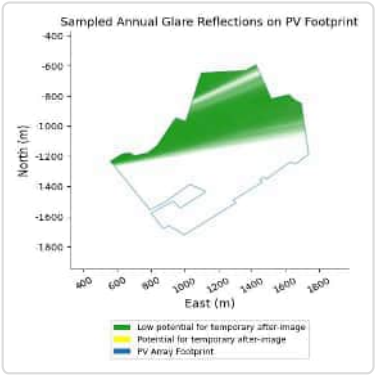
PV array is expected to produce the following glare for this receptor:

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









PV array 3: OP 23

No glare found

PV array 3: OP 24

No glare found

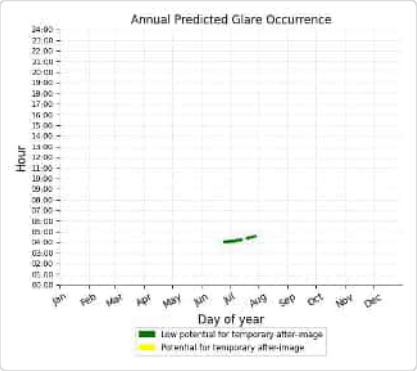
PV array 3: OP 25

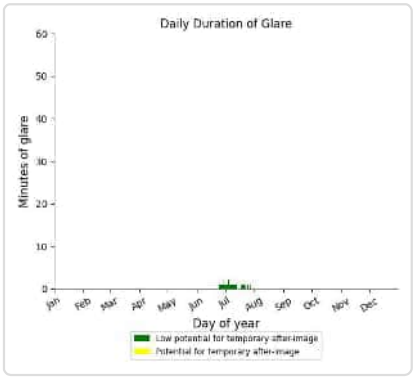
No glare found

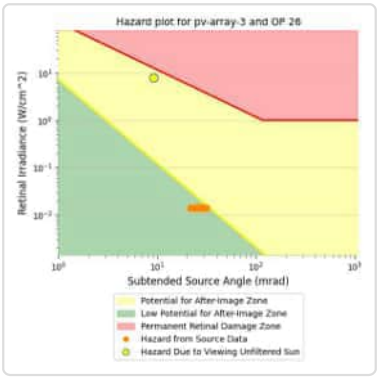
PV array 3: OP 26

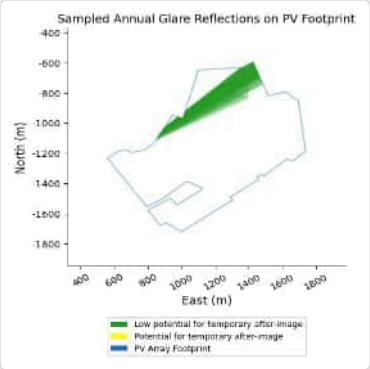
PV array is expected to produce the following glare for this receptor:

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





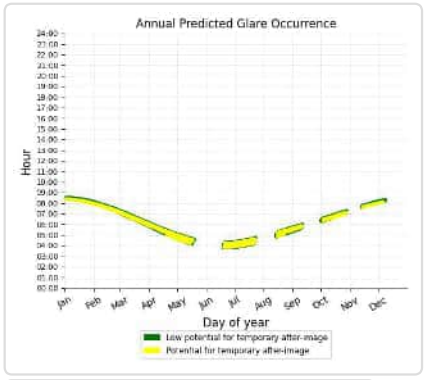


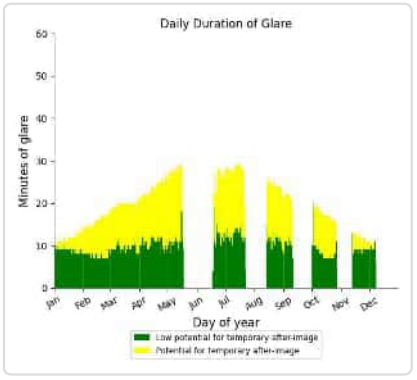


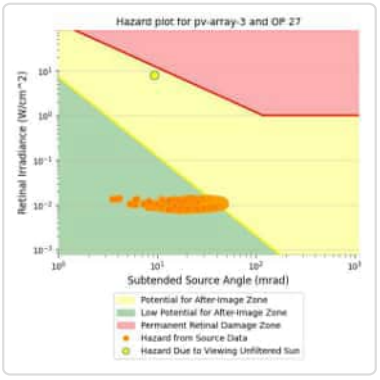
PV array 3: OP 27

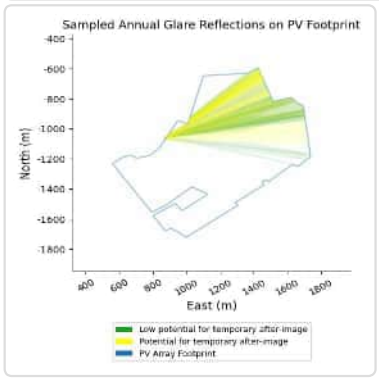
PV array is expected to produce the following glare for this receptor:

- 2,492 minutes of "green" glare with low potential to cause temporary after-image.
- 2,439 minutes of "yellow" glare with potential to cause temporary after-image.





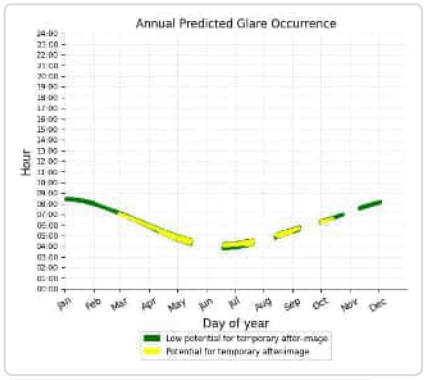


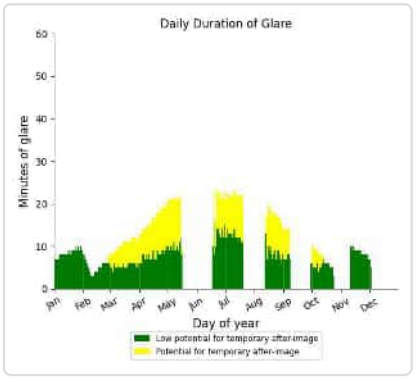


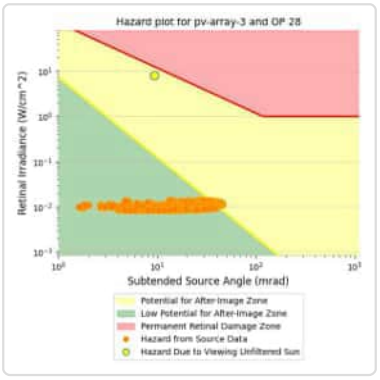
PV array 3: OP 28

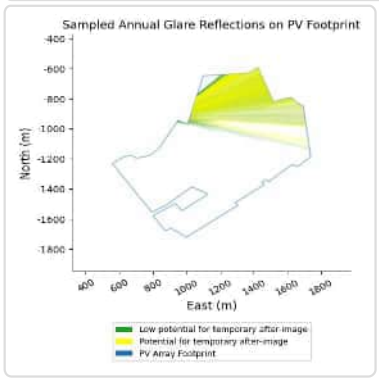
PV array is expected to produce the following glare for this receptor:

- 1,913 minutes of "green" glare with low potential to cause temporary after-image.
- 1,127 minutes of "yellow" glare with potential to cause temporary after-image.





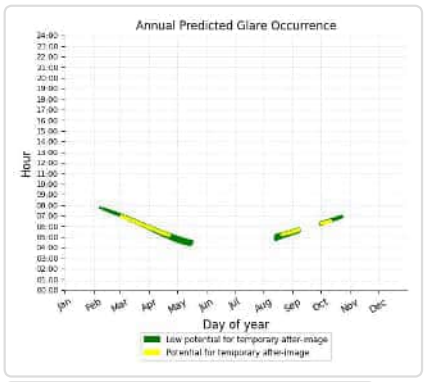


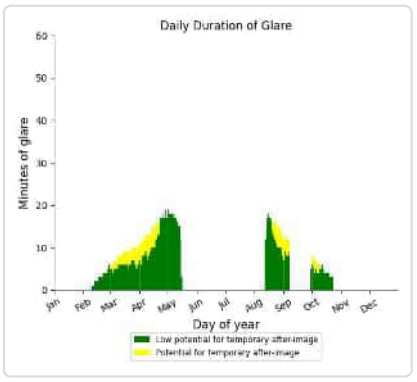


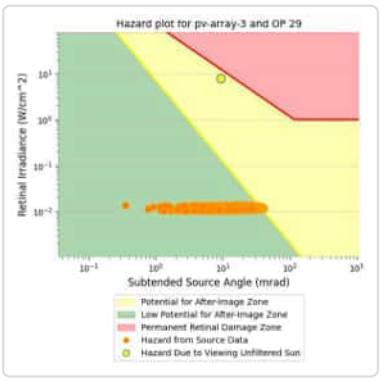
PV array 3: OP 29

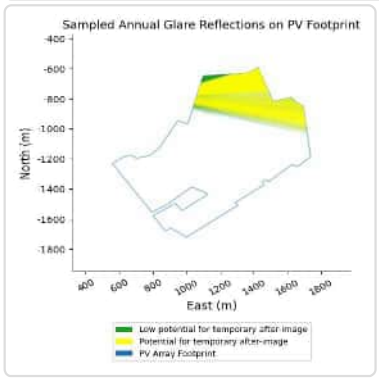
PV array is expected to produce the following glare for this receptor:

- 1,229 minutes of "green" glare with low potential to cause temporary after-image.
- 278 minutes of "yellow" glare with potential to cause temporary after-image.





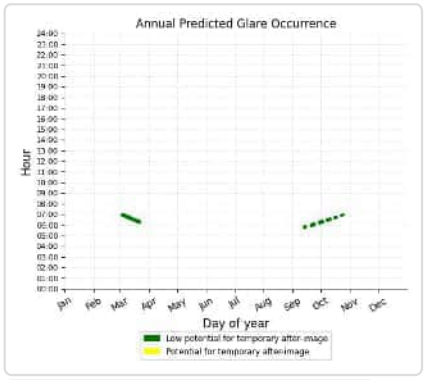


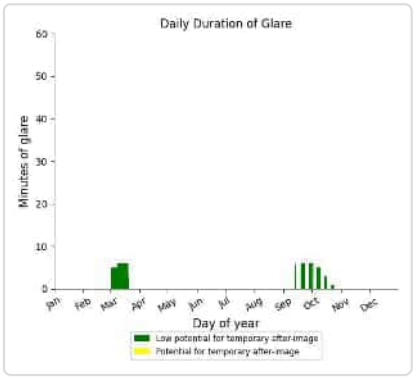


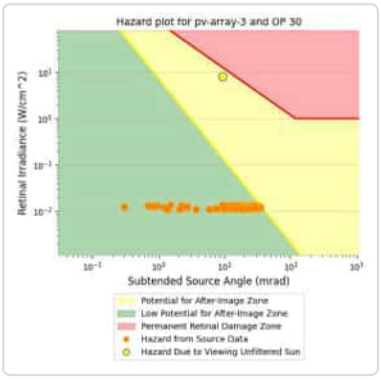
PV array 3: OP 30

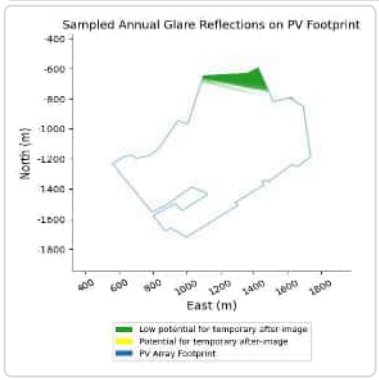
PV array is expected to produce the following glare for this receptor:

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









PV array 3: OP 31

No glare found

PV array 3: OP 32

No glare found

PV array 3: OP 33

No glare found

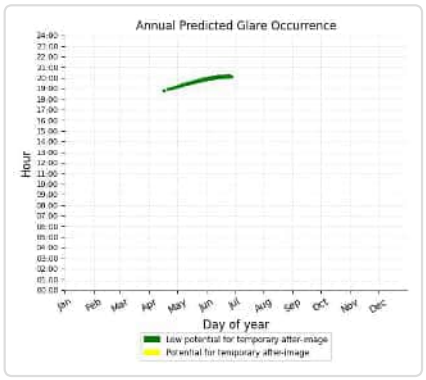
PV array 3: OP 34

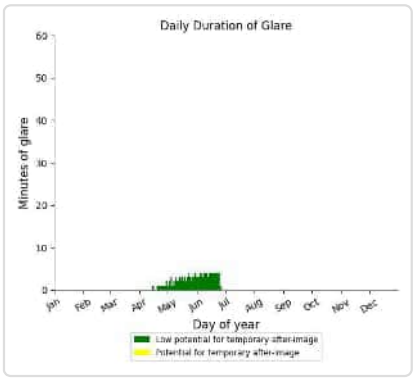
No glare found

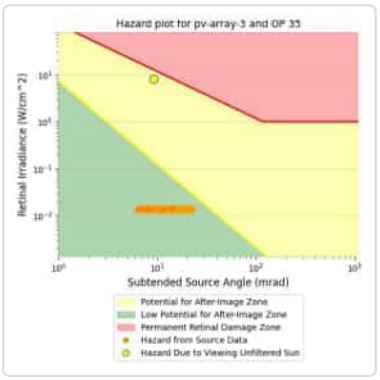
PV array 3: OP 35

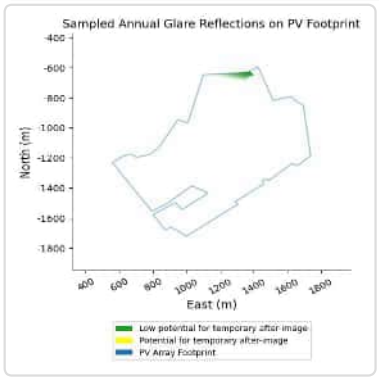
PV array is expected to produce the following glare for this receptor:

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





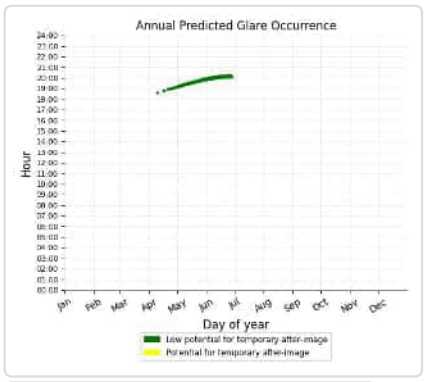


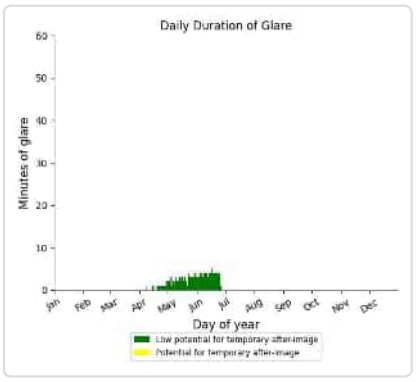


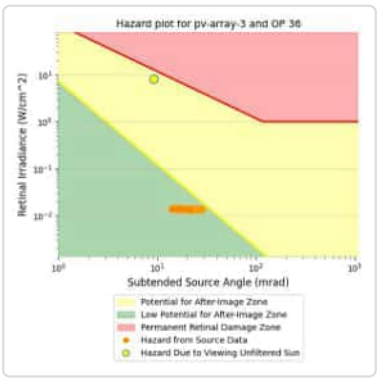
PV array 3: OP 36

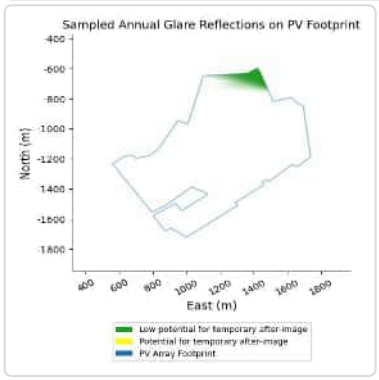
PV array is expected to produce the following glare for this receptor:

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





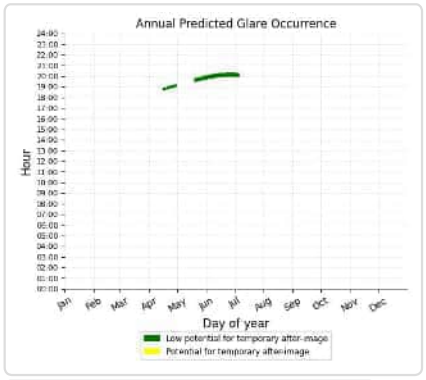


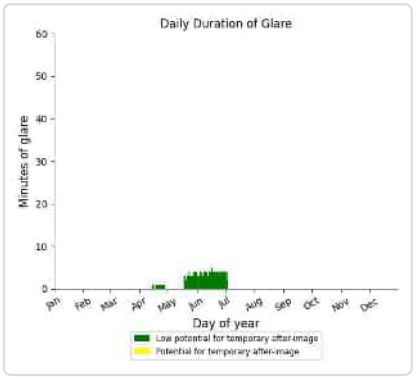


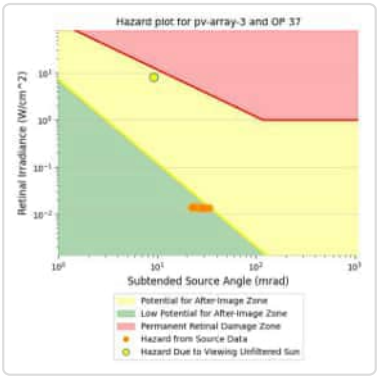
PV array 3: OP 37

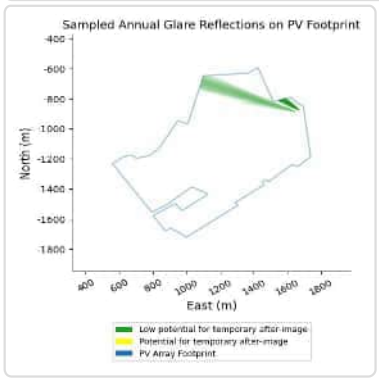
PV array is expected to produce the following glare for this receptor:

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





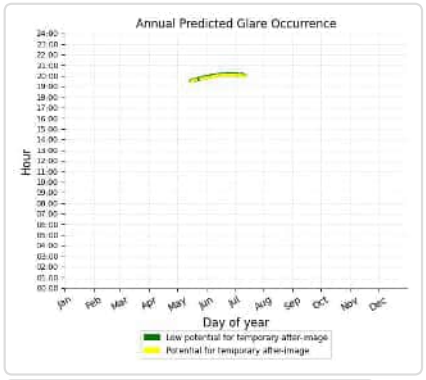


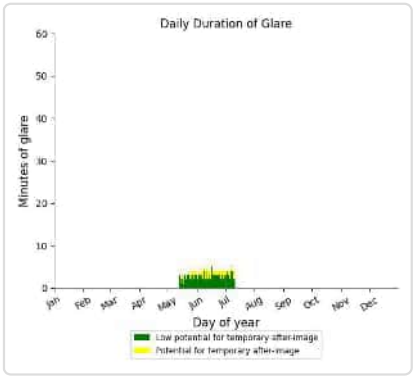


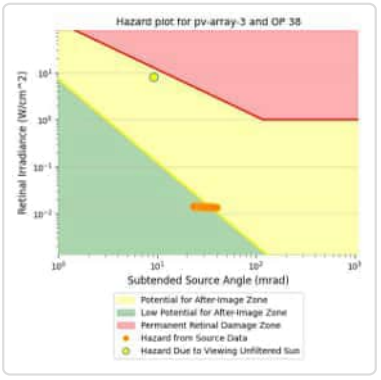
PV array 3: OP 38

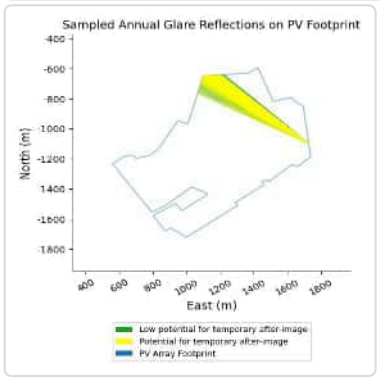
PV array is expected to produce the following glare for this receptor:

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





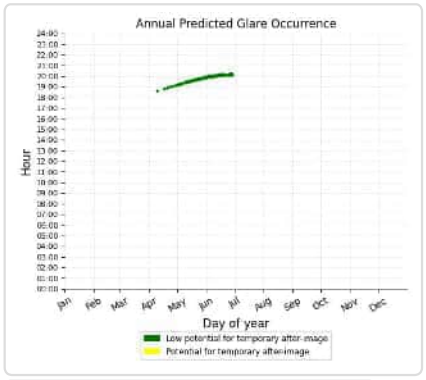


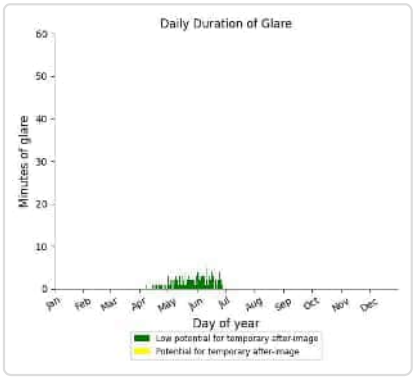


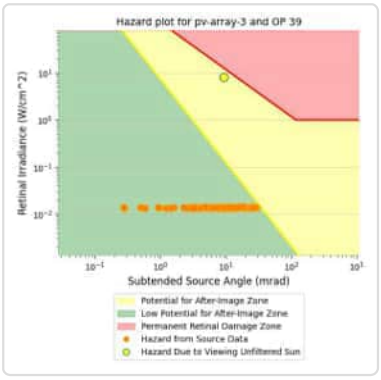
PV array 3: OP 39

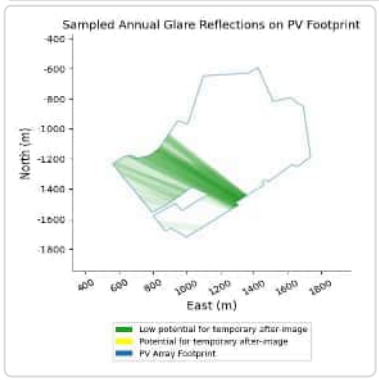
PV array is expected to produce the following glare for this receptor:

- 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.





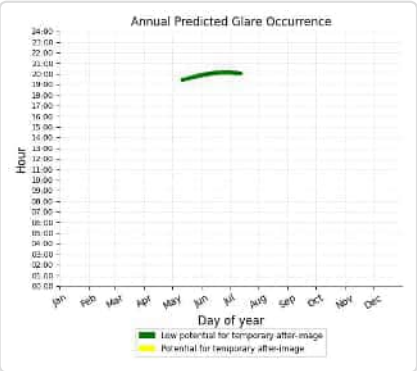


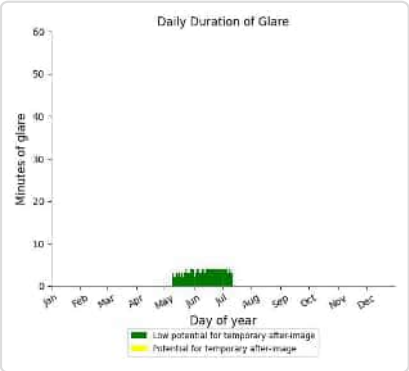


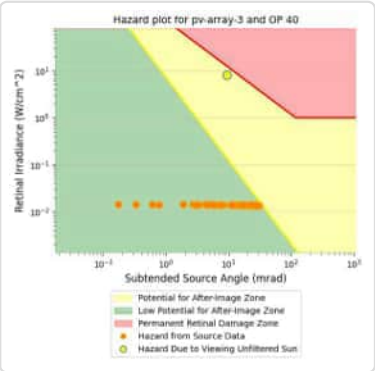
PV array 3: OP 40

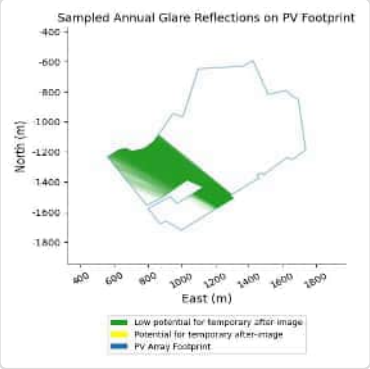
PV array is expected to produce the following glare for this receptor:

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









PV array 3: OP 41

No glare found

PV array 3: OP 42

No glare found

PV array 3: OP 43

No glare found

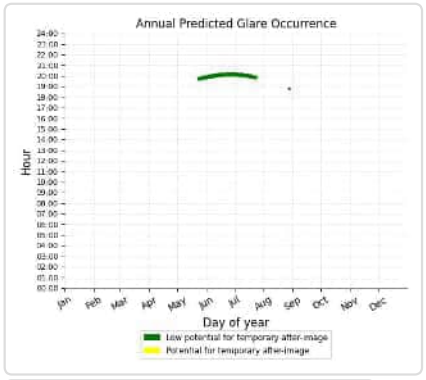
PV array 3: OP 44

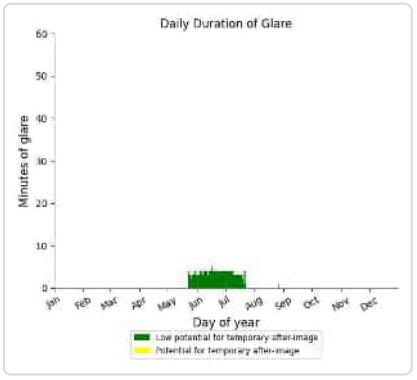
No glare found

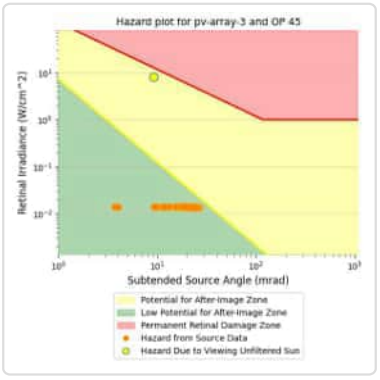
PV array 3: OP 45

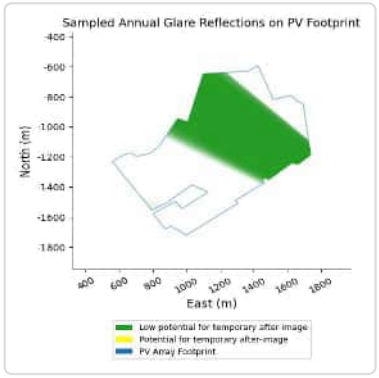
PV array is expected to produce the following glare for this receptor:

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





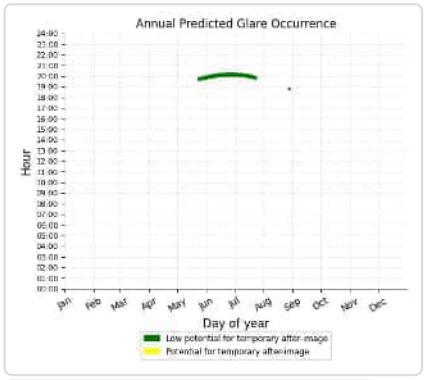


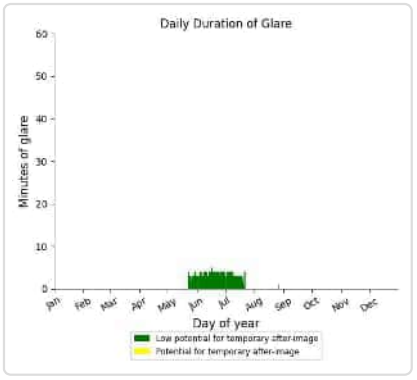


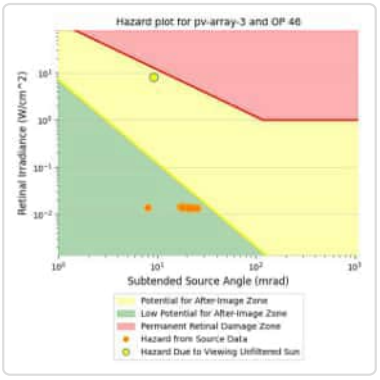
PV array 3: OP 46

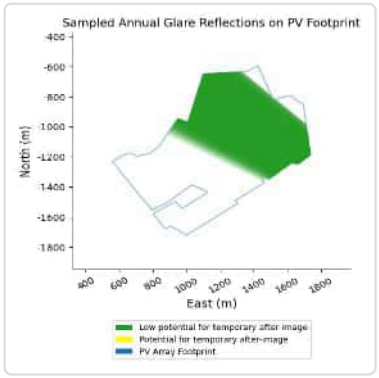
PV array is expected to produce the following glare for this receptor:

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





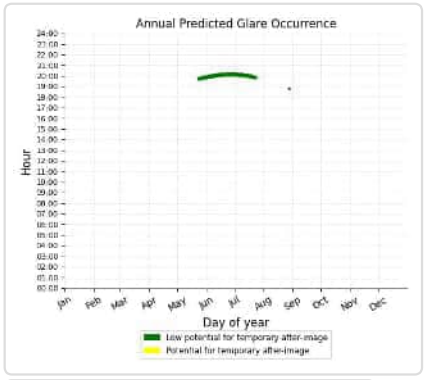


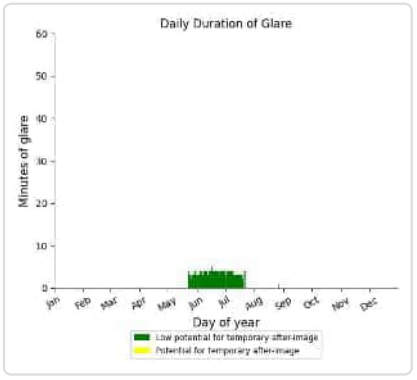


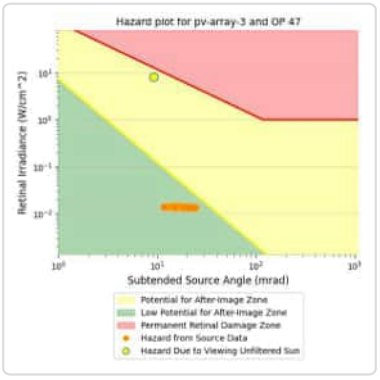
PV array 3: OP 47

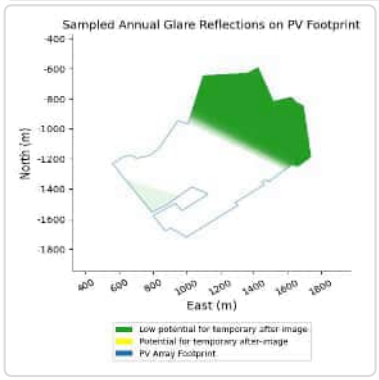
PV array is expected to produce the following glare for this receptor:

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





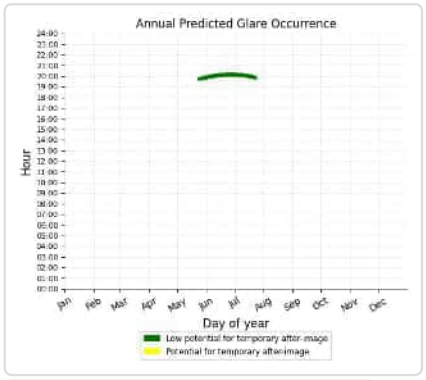


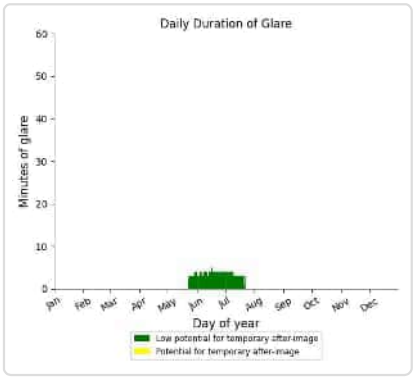


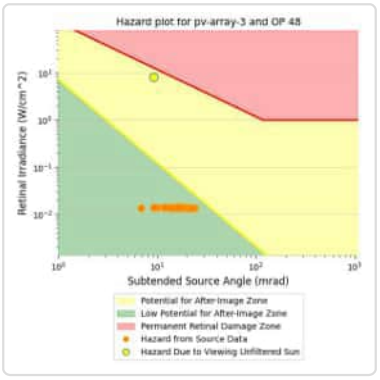
PV array 3: OP 48

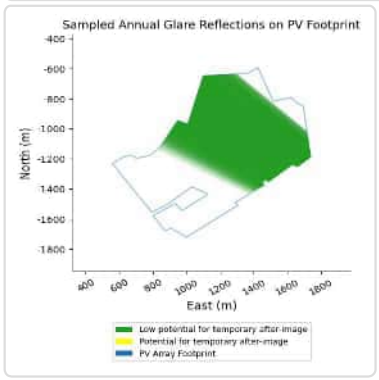
PV array is expected to produce the following glare for this receptor:

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





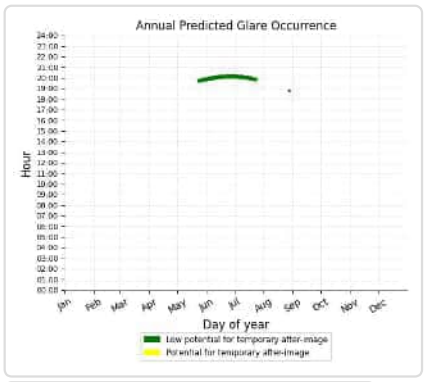


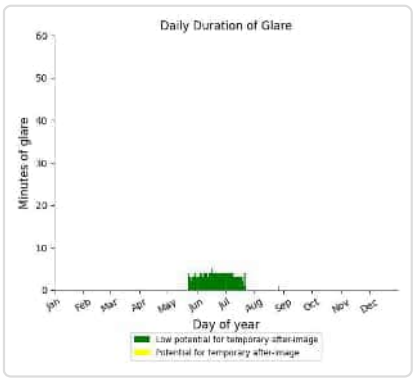


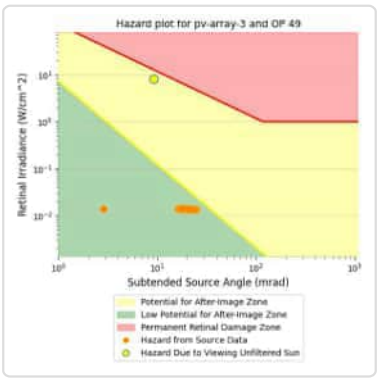
PV array 3: OP 49

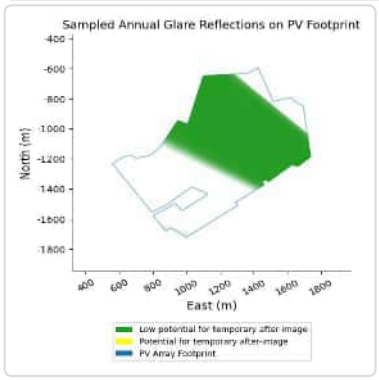
PV array is expected to produce the following glare for this receptor:

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





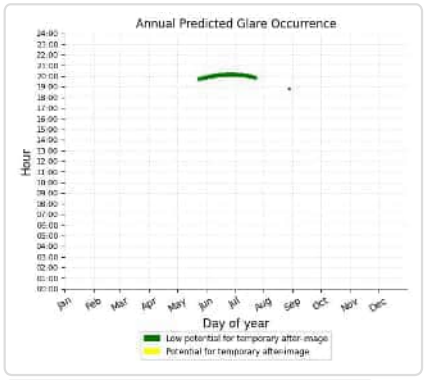


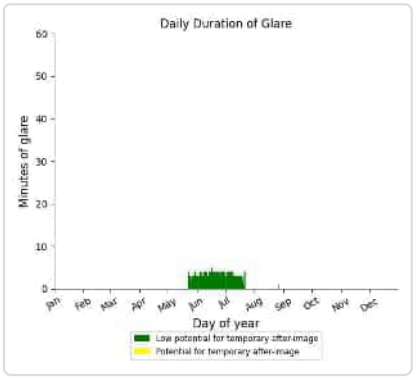


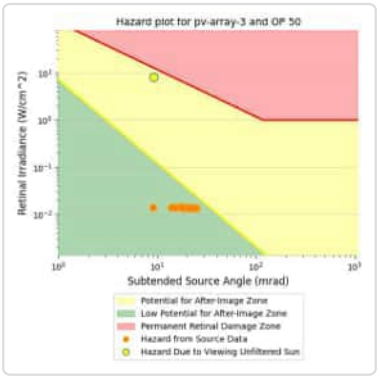
PV array 3: OP 50

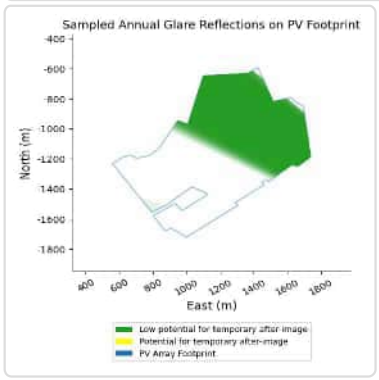
PV array is expected to produce the following glare for this receptor:

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





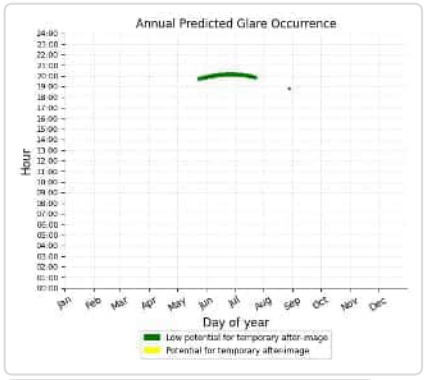


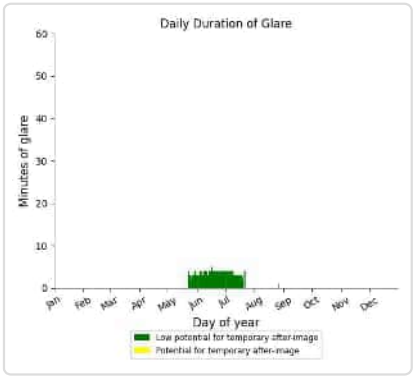


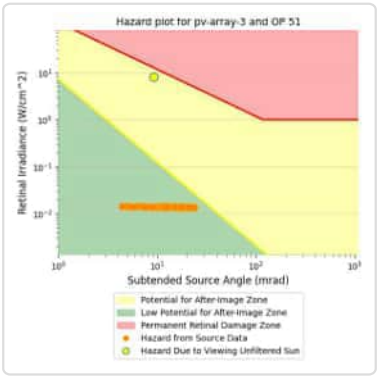
PV array 3: OP 51

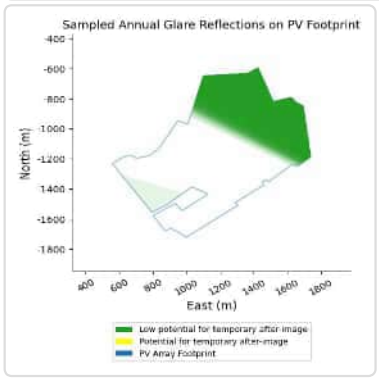
PV array is expected to produce the following glare for this receptor:

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





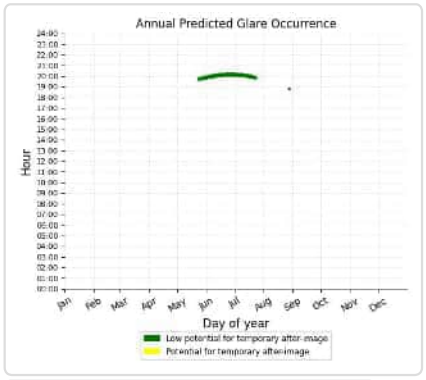


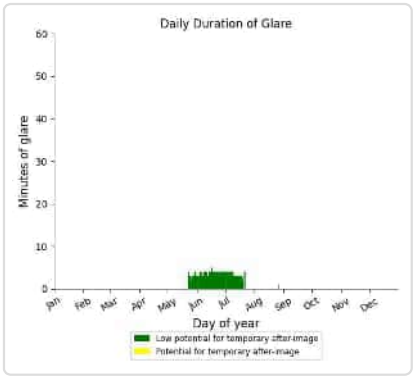


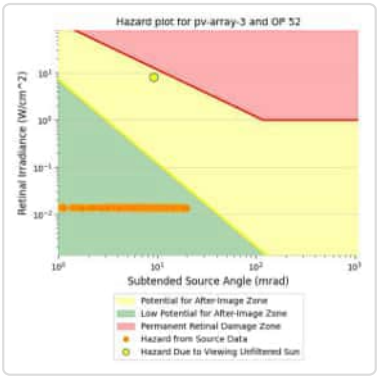
PV array 3: OP 52

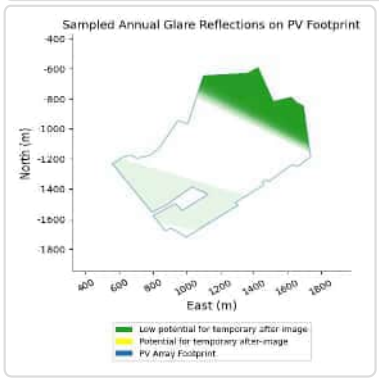
PV array is expected to produce the following glare for this receptor:

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





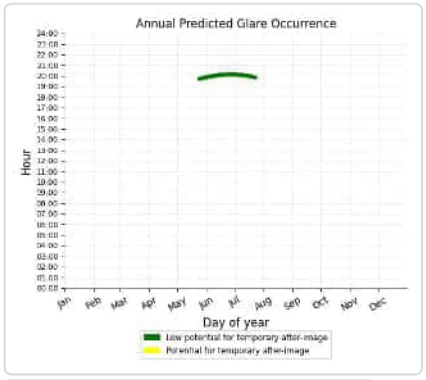


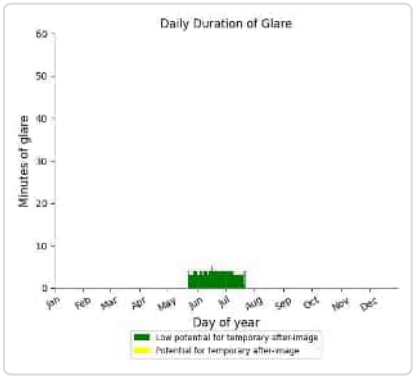


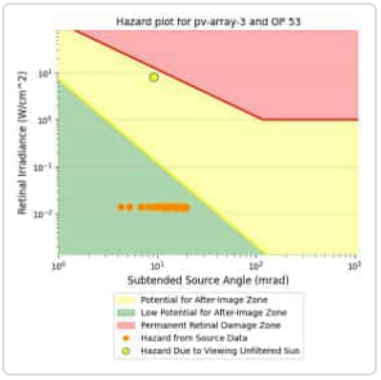
PV array 3: OP 53

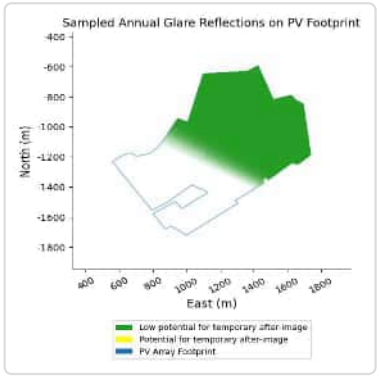
PV array is expected to produce the following glare for this receptor:

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





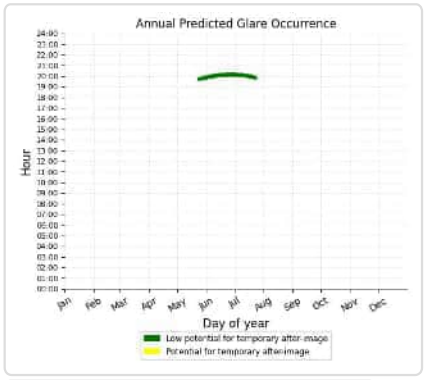


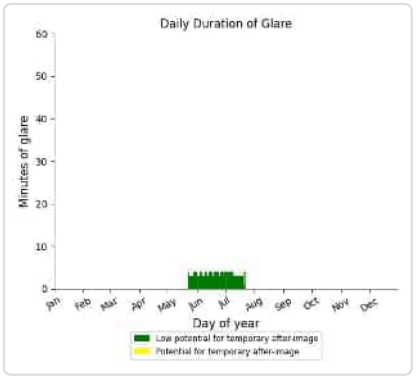


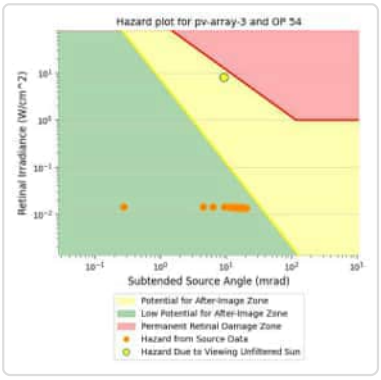
PV array 3: OP 54

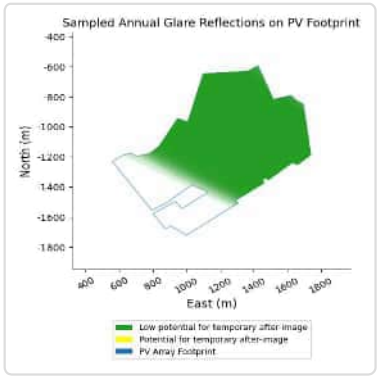
PV array is expected to produce the following glare for this receptor:

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





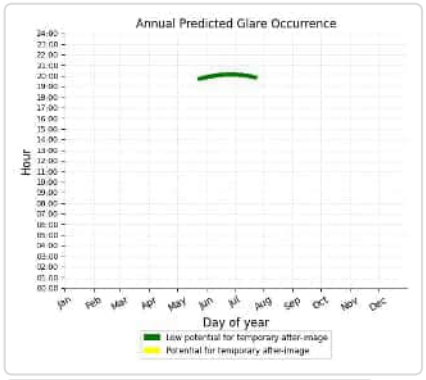


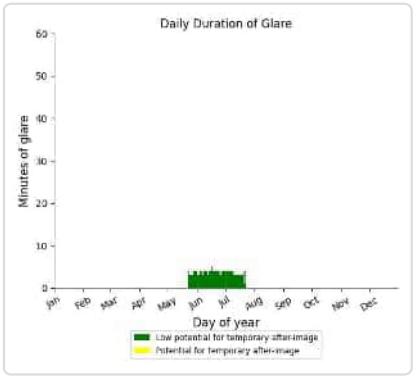


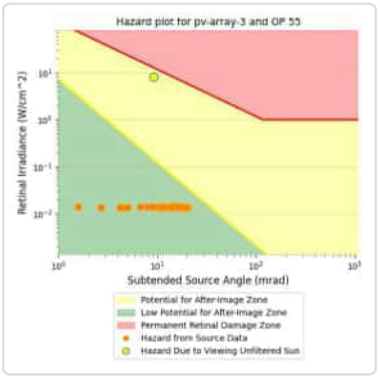
PV array 3: OP 55

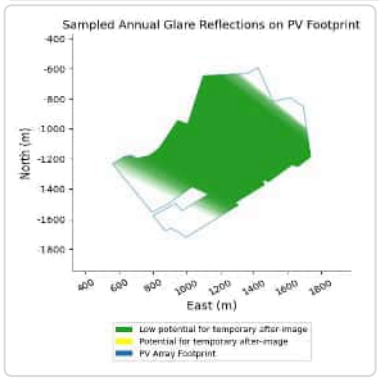
PV array is expected to produce the following glare for this receptor:

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





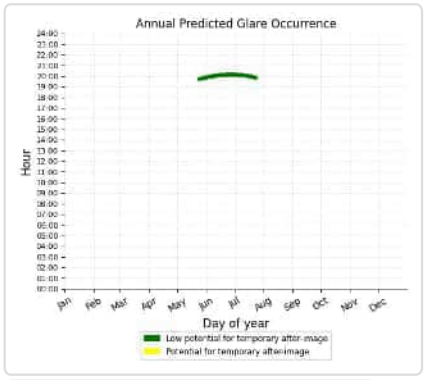


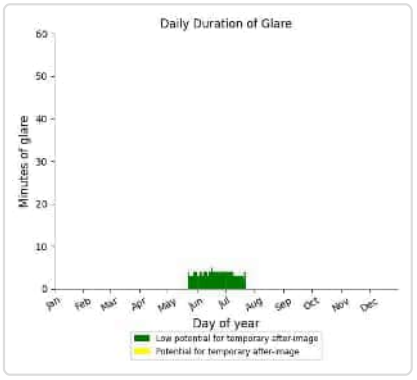


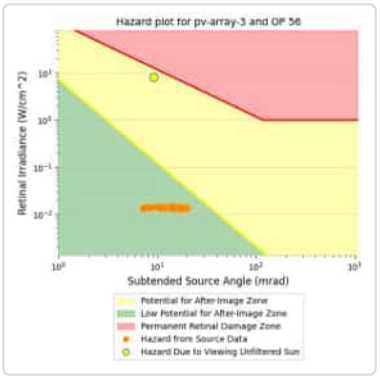
PV array 3: OP 56

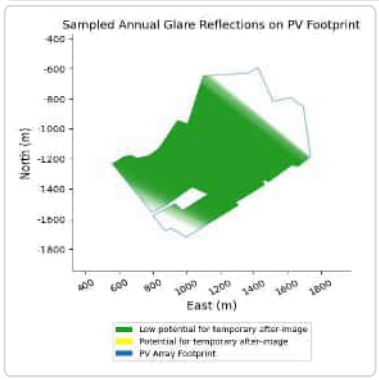
PV array is expected to produce the following glare for this receptor:

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





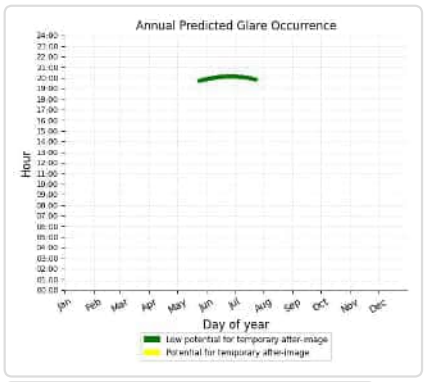


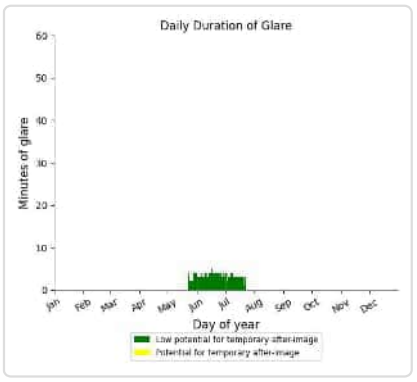


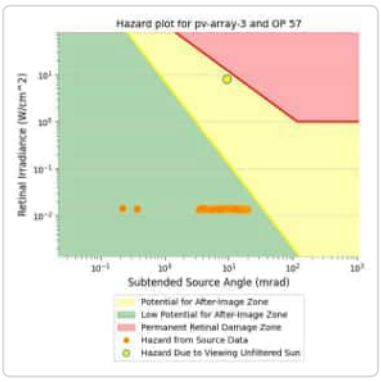
PV array 3: OP 57

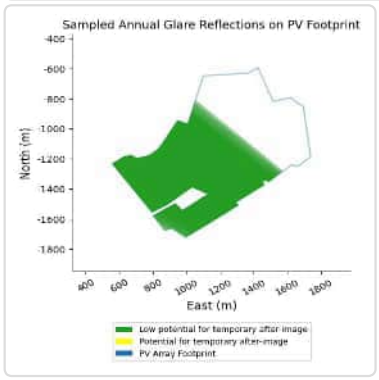
PV array is expected to produce the following glare for this receptor:

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





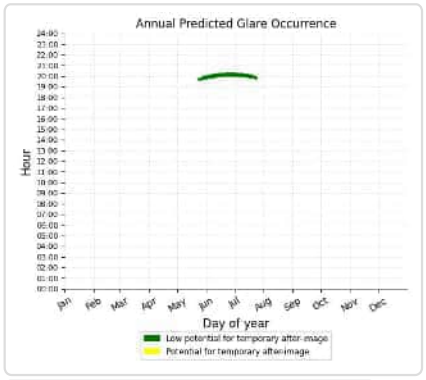


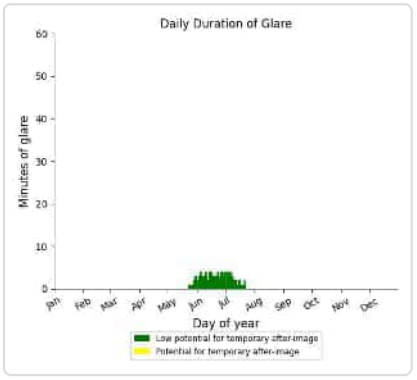


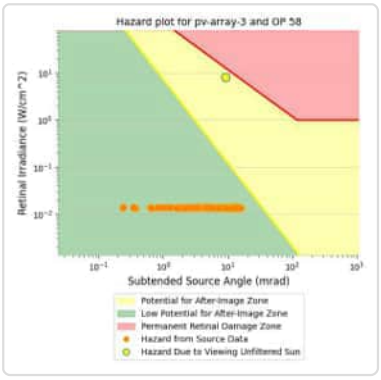
PV array 3: OP 58

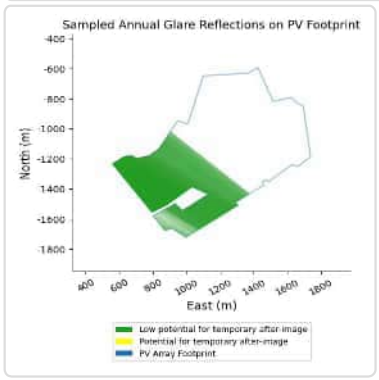
PV array is expected to produce the following glare for this receptor:

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





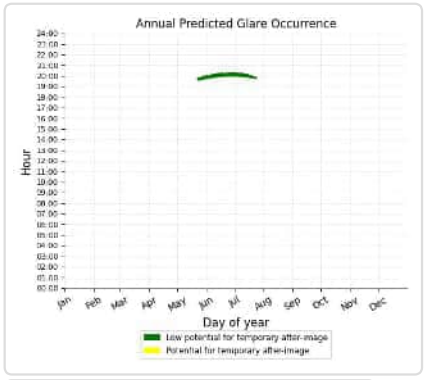


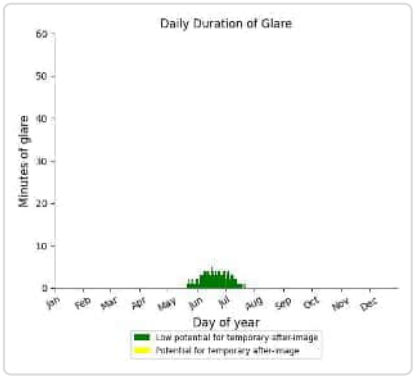


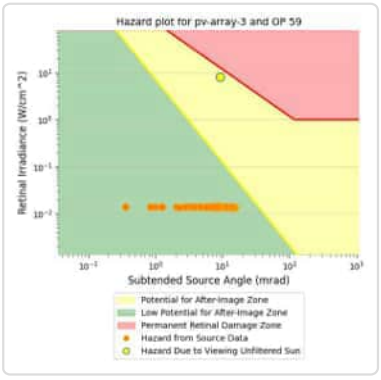
PV array 3: OP 59

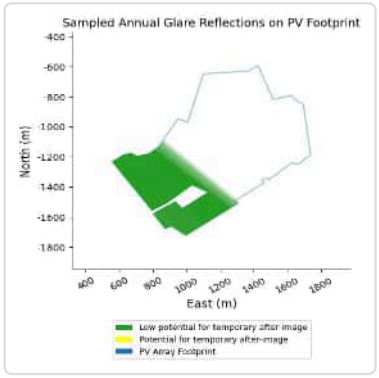
PV array is expected to produce the following glare for this receptor:

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





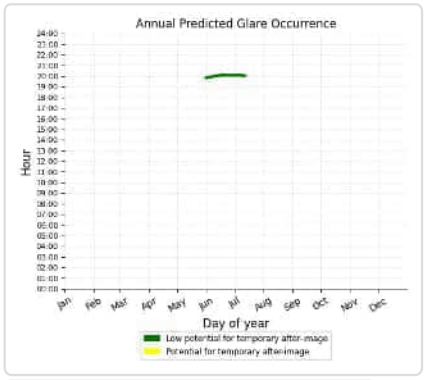


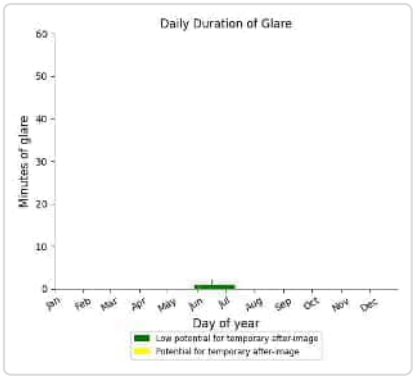


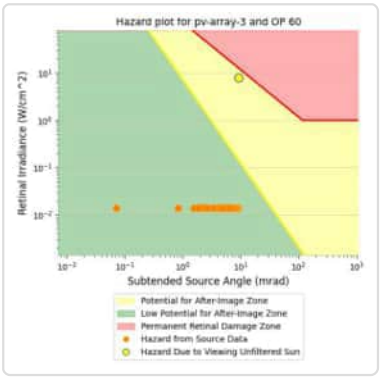
PV array 3: OP 60

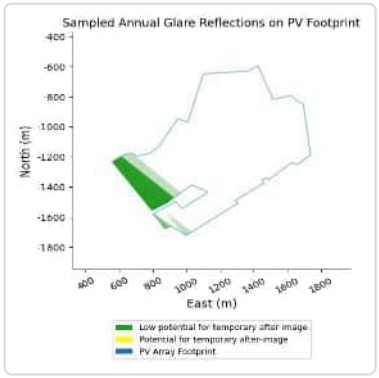
PV array is expected to produce the following glare for this receptor:

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





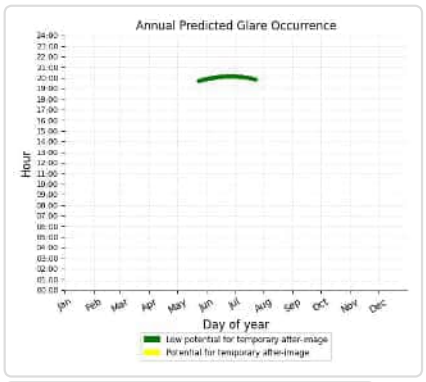


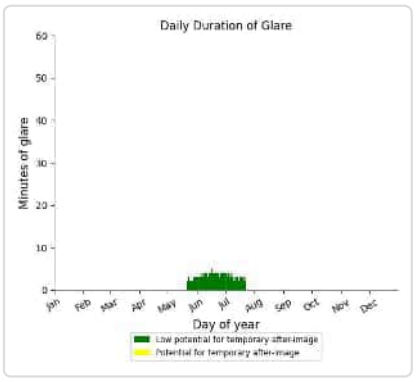


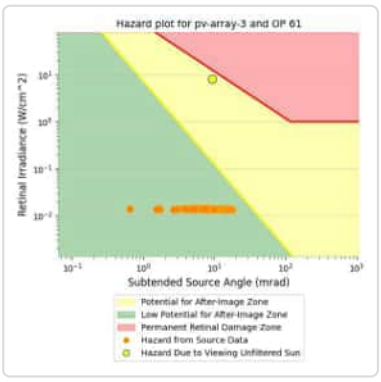
PV array 3: OP 61

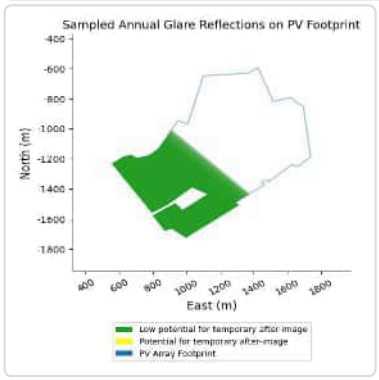
PV array is expected to produce the following glare for this receptor:

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





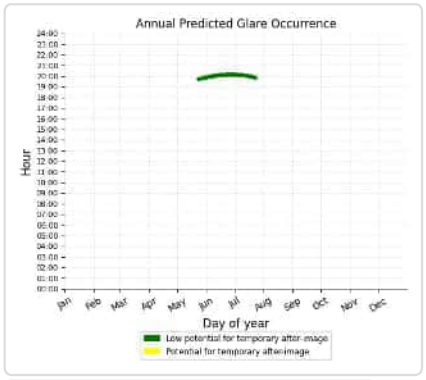


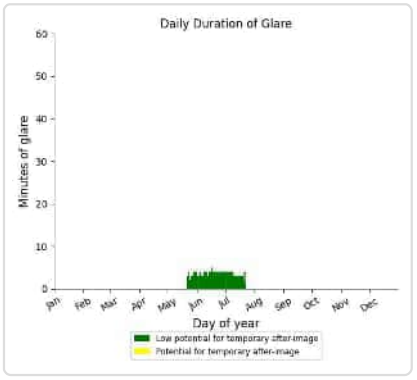


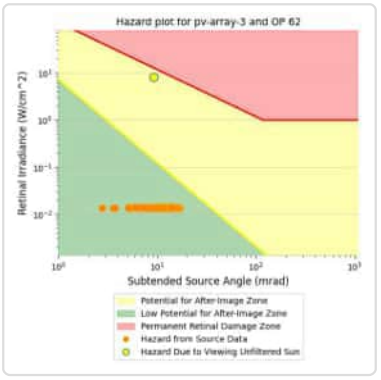
PV array 3: OP 62

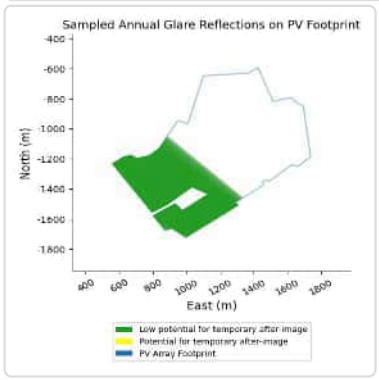
PV array is expected to produce the following glare for this receptor:

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









PV array 3: OP 63

No glare found

PV array 3: OP 64
No glare found

PV array 3: OP 65
No glare found

PV array 3: OP 66
No glare found

PV array 3: OP 67
No glare found

PV array 3: OP 68
No glare found

PV array 3: OP 69
No glare found

PV array 3: OP 70
No glare found

PV array 3: OP 71
No glare found

PV array 3: OP 72
No glare found

PV array 3: OP 73
No glare found

PV array 3: OP 74
No glare found

PV array 3: OP 75
No glare found

PV array 3: OP 76
No glare found

PV array 3: OP 77
No glare found

PV array 3: OP 78
No glare found

PV array 3: OP 79
No glare found

PV array 4 potential temporary after-image

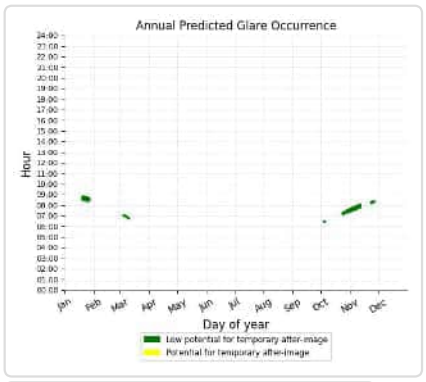
Component	Green glare (min)	Yellow glare (min)
OP: OP 1	134	0
OP: OP 2	105	0
OP: OP 3	52	0
OP: OP 4	18	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	748	12
OP: OP 8	732	9
OP: OP 9	927	107
OP: OP 10	929	140
OP: OP 11	860	157
OP: OP 12	1107	0
OP: OP 13	2488	797
OP: OP 14	1085	190
OP: OP 15	1062	127
OP: OP 16	397	7
OP: OP 17	2547	1860
OP: OP 18	2160	1544
OP: OP 19	1193	170
OP: OP 20	2507	1501
OP: OP 21	1976	1019
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	599	0
OP: OP 32	0	0
OP: OP 33	465	2
OP: OP 34	435	36
OP: OP 35	426	13
OP: OP 36	240	267
OP: OP 37	326	401
OP: OP 38	488	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	0
OP: OP 47	0	0
OP: OP 48	0	0
OP: OP 49	0	0
OP: OP 50	0	0

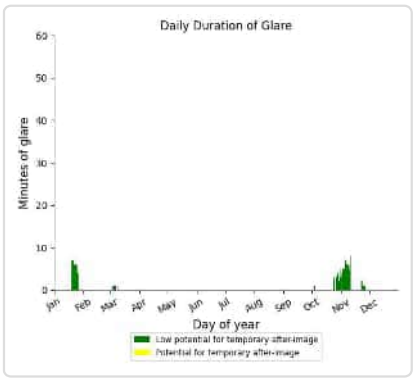
OP: OP 51	0	0
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

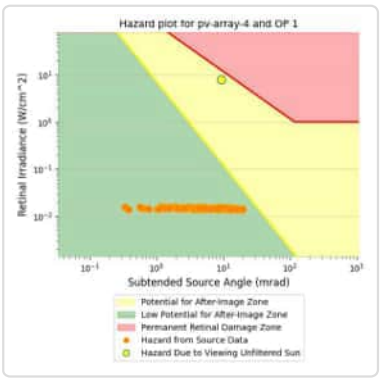
PV array 4: OP 1

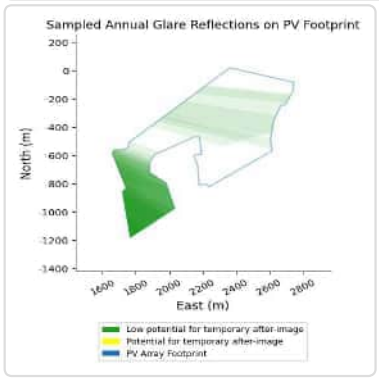
PV array is expected to produce the following glare for this receptor:

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





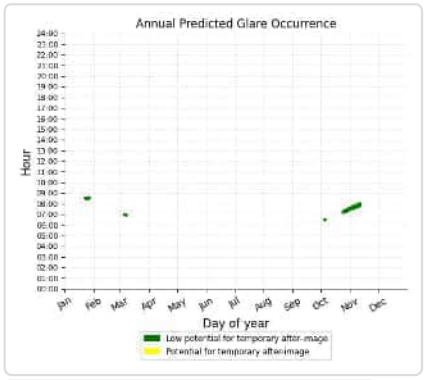


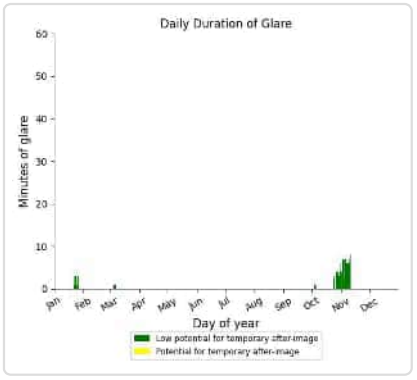


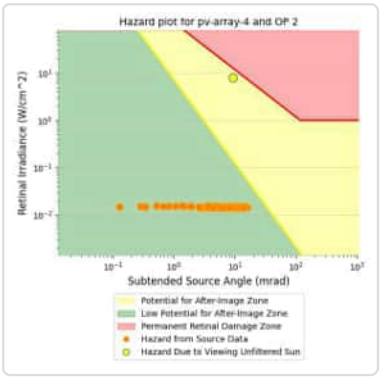
PV array 4: OP 2

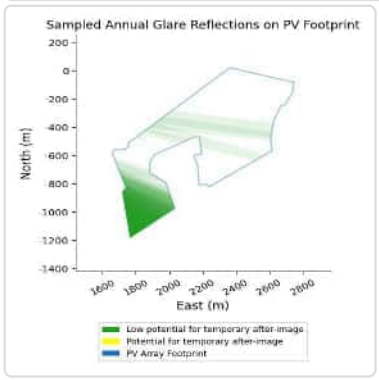
PV array is expected to produce the following glare for this receptor:

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





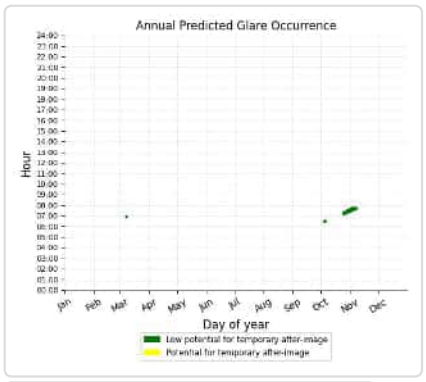


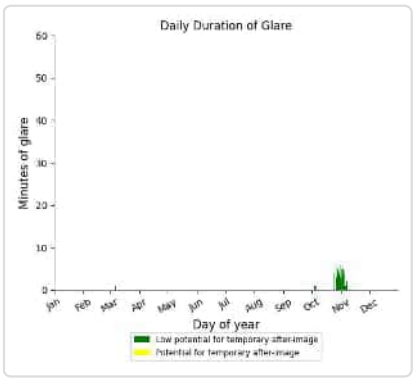


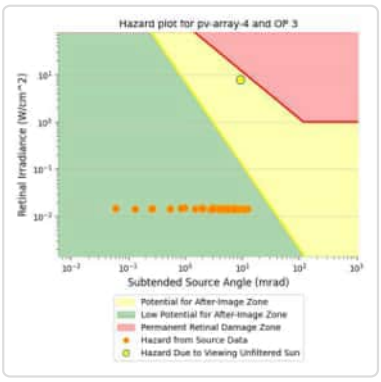
PV array 4: OP 3

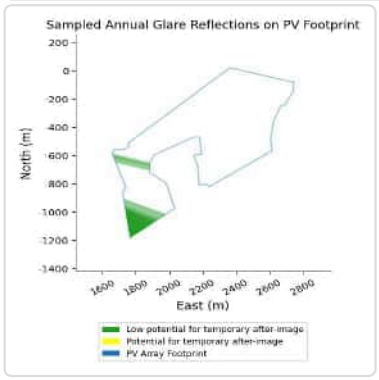
PV array is expected to produce the following glare for this receptor:

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





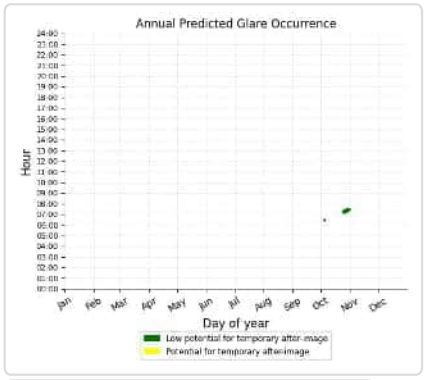


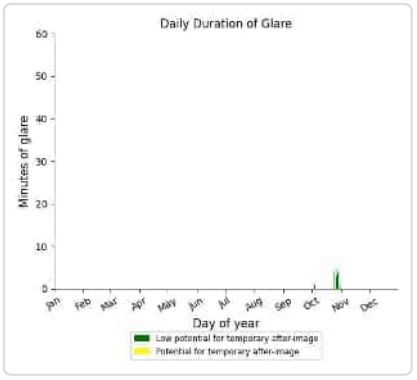


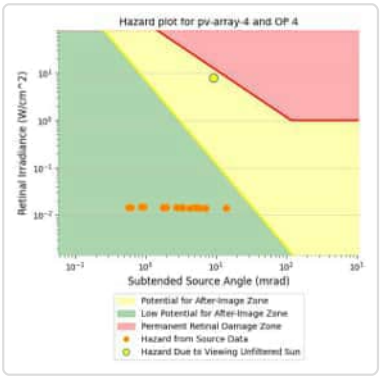
PV array 4: OP 4

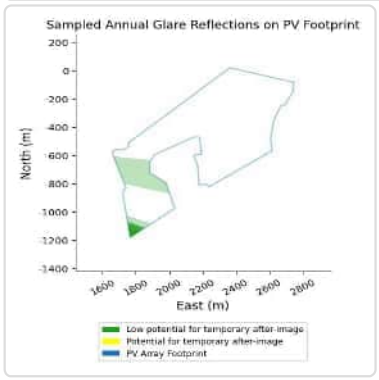
PV array is expected to produce the following glare for this receptor:

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









PV array 4: OP 5

No glare found

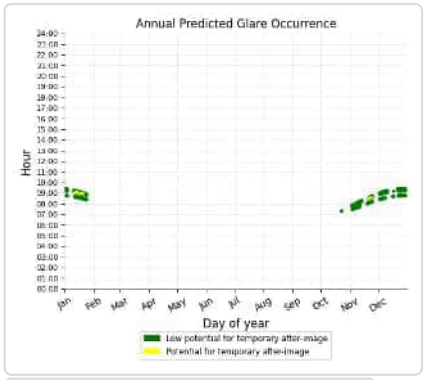
PV array 4: OP 6

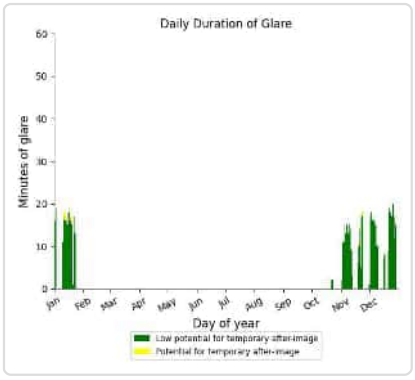
No glare found

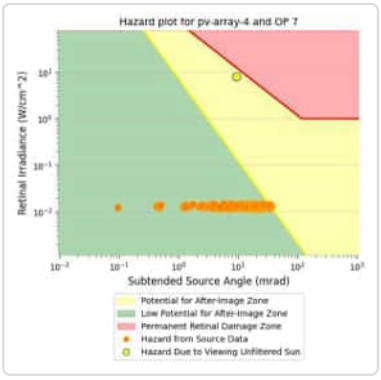
PV array 4: OP 7

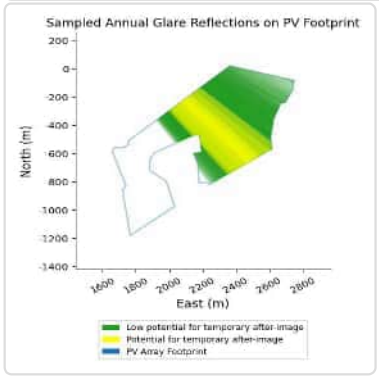
PV array is expected to produce the following glare for this receptor:

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





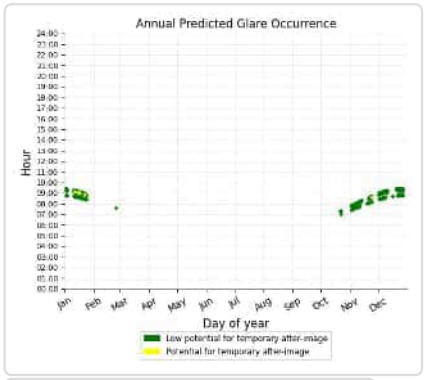


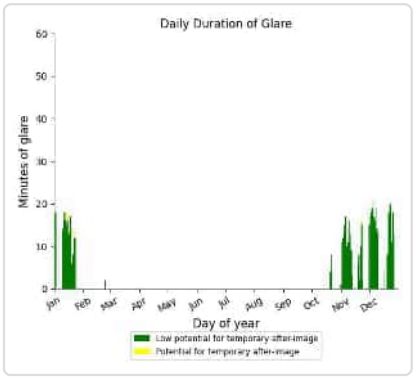


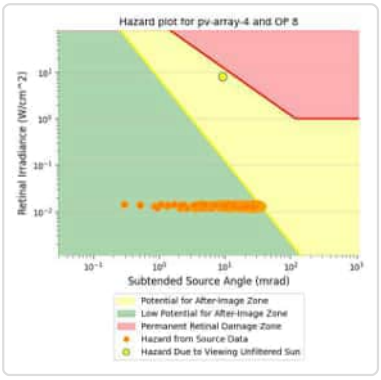
PV array 4: OP 8

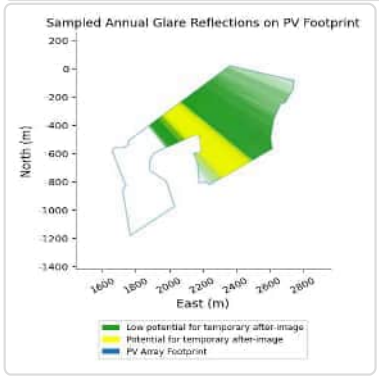
PV array is expected to produce the following glare for this receptor:

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





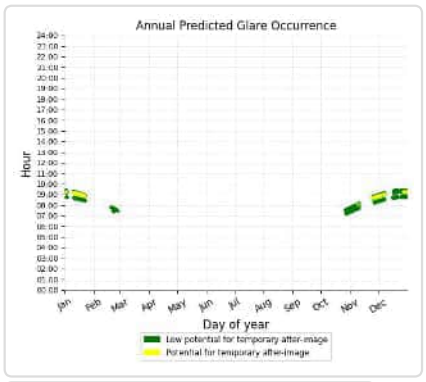


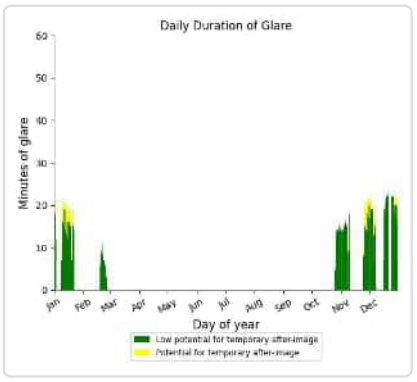


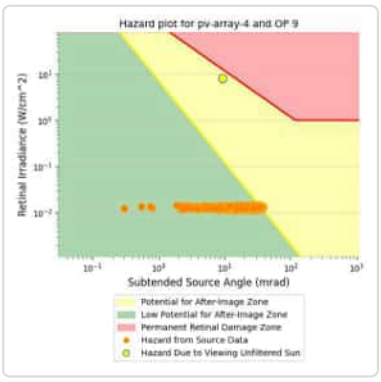
PV array 4: OP 9

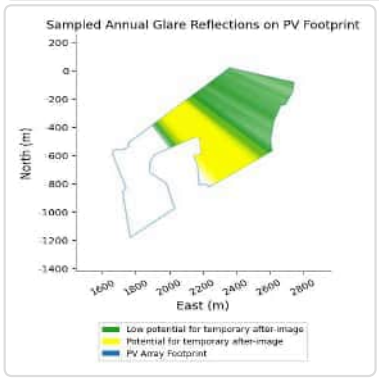
PV array is expected to produce the following glare for this receptor:

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





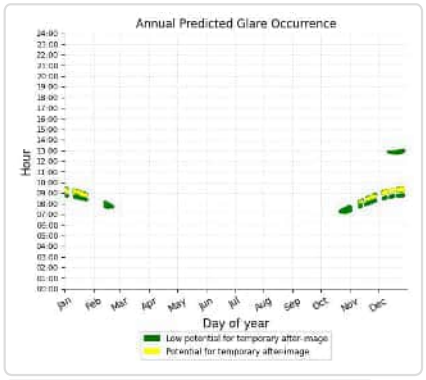


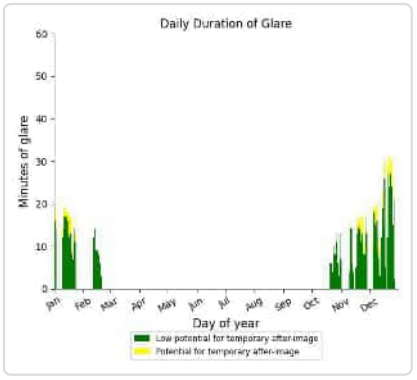


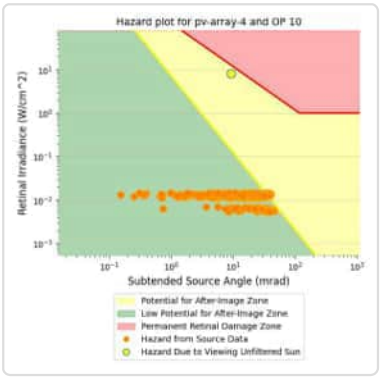
PV array 4: OP 10

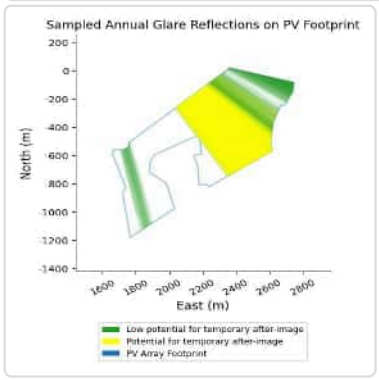
PV array is expected to produce the following glare for this receptor:

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





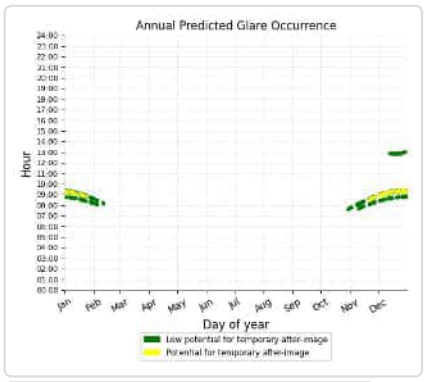


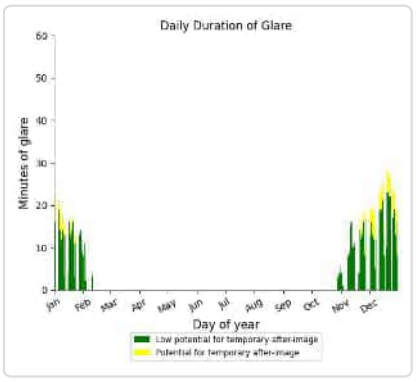


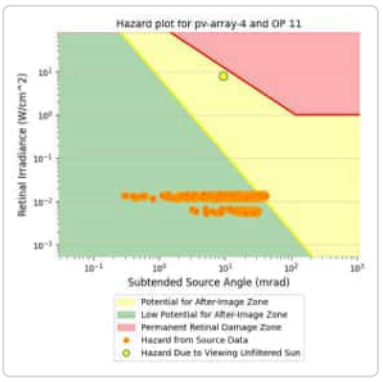
PV array 4: OP 11

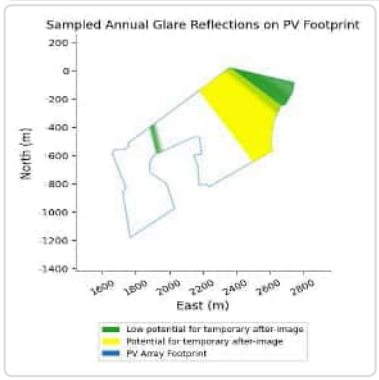
PV array is expected to produce the following glare for this receptor:

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





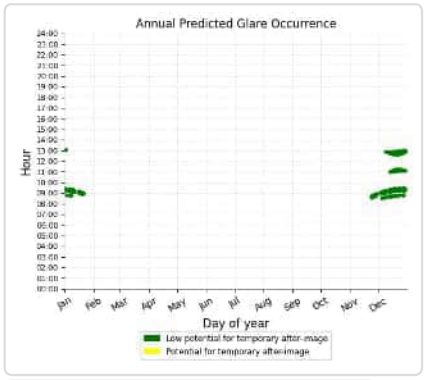


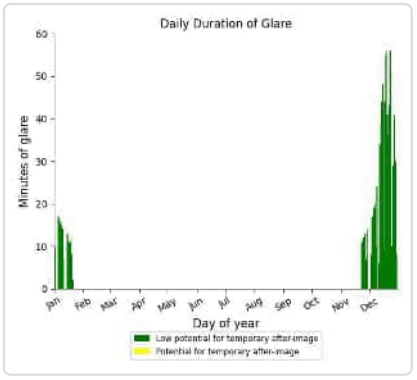


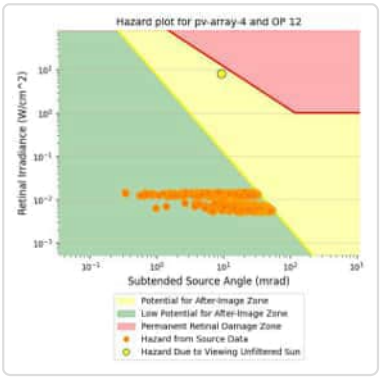
PV array 4: OP 12

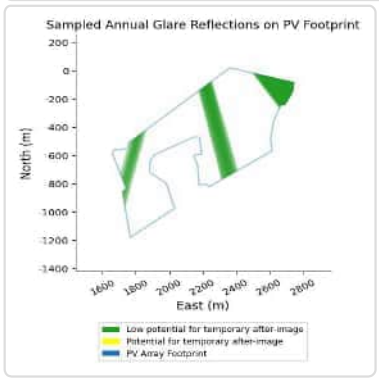
PV array is expected to produce the following glare for this receptor:

- 1,107 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





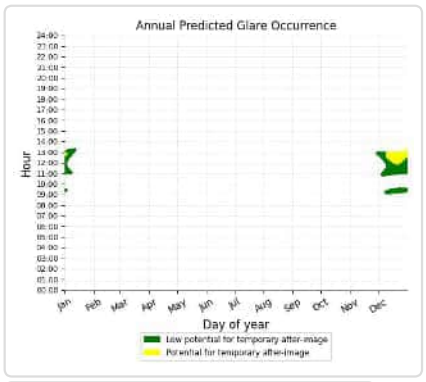


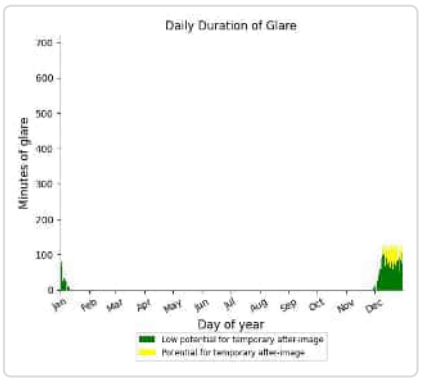


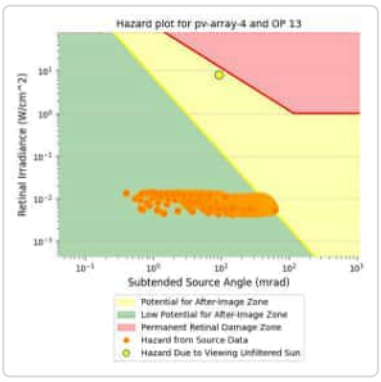
PV array 4: OP 13

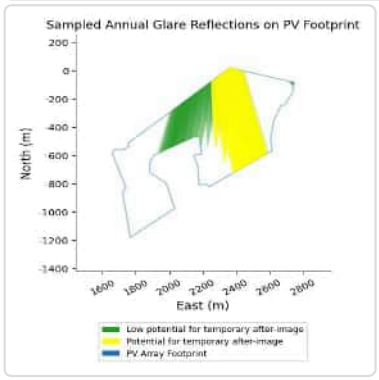
PV array is expected to produce the following glare for this receptor:

- 2,488 minutes of "green" glare with low potential to cause temporary after-image.
- 797 minutes of "yellow" glare with potential to cause temporary after-image.





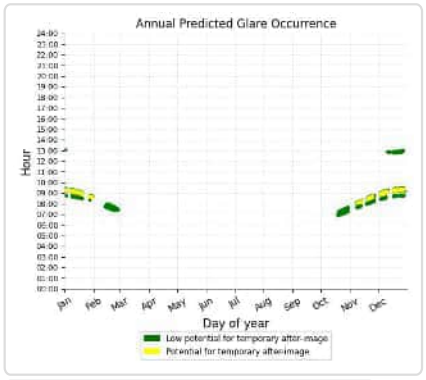


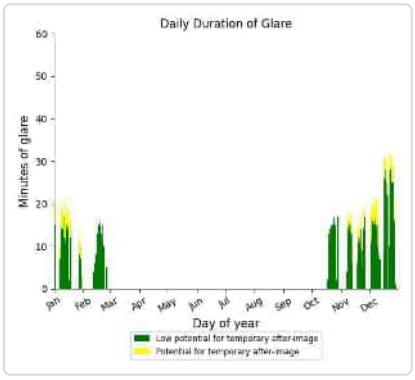


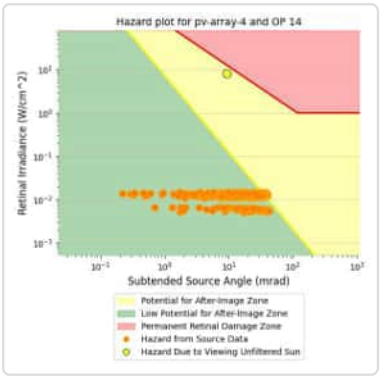
PV array 4: OP 14

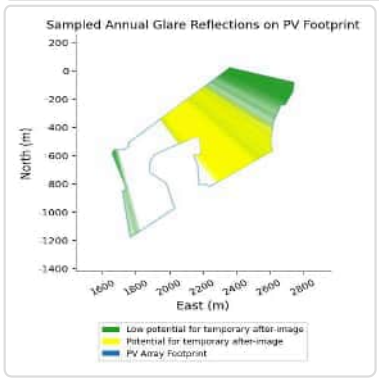
PV array is expected to produce the following glare for this receptor:

- 1,085 minutes of "green" glare with low potential to cause temporary after-image.
- 190 minutes of "yellow" glare with potential to cause temporary after-image.





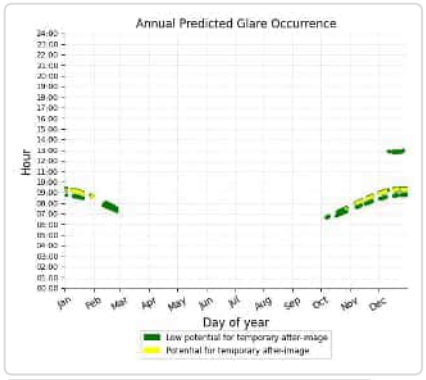


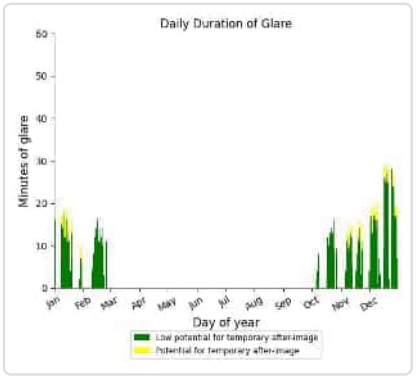


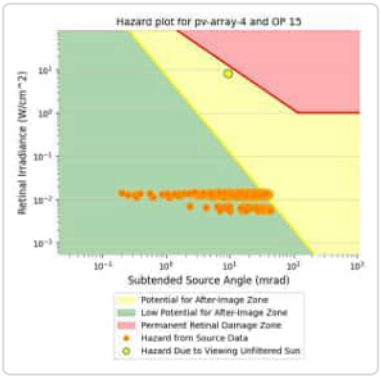
PV array 4: OP 15

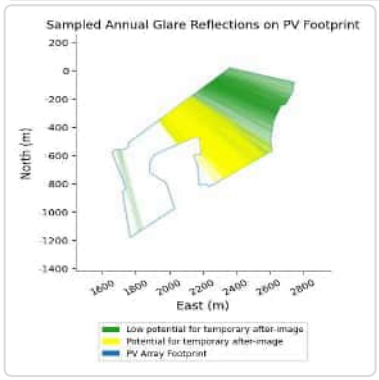
PV array is expected to produce the following glare for this receptor:

- 1,062 minutes of "green" glare with low potential to cause temporary after-image.
- 127 minutes of "yellow" glare with potential to cause temporary after-image.





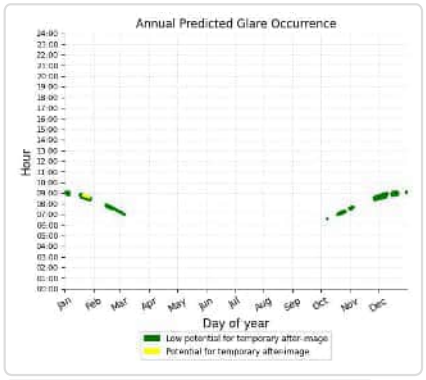


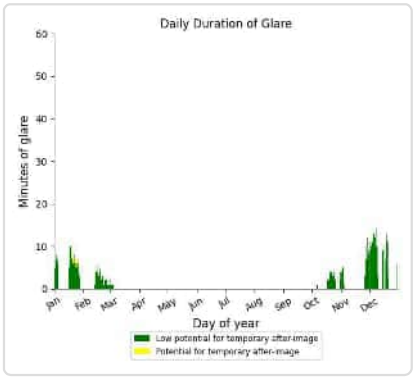


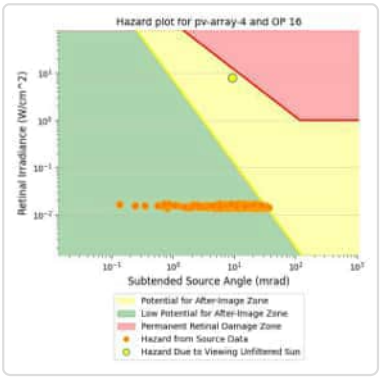
PV array 4: OP 16

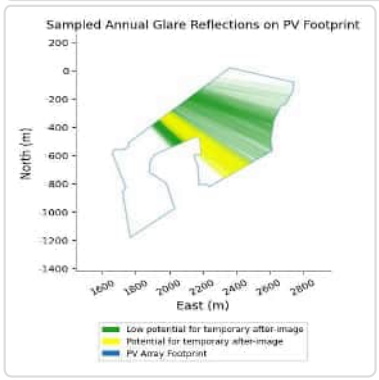
PV array is expected to produce the following glare for this receptor:

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





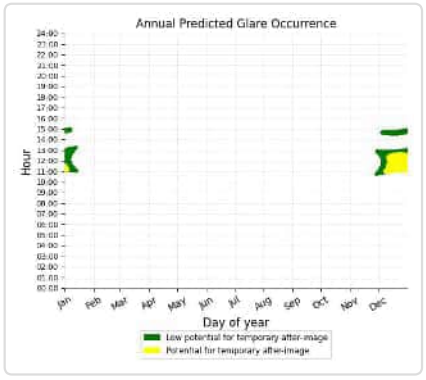


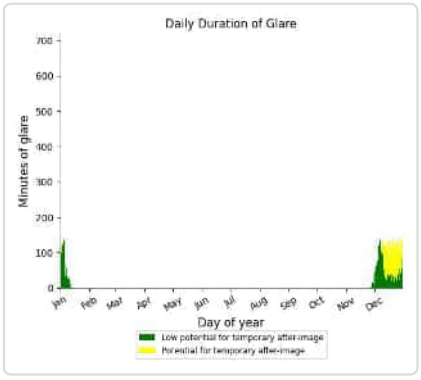


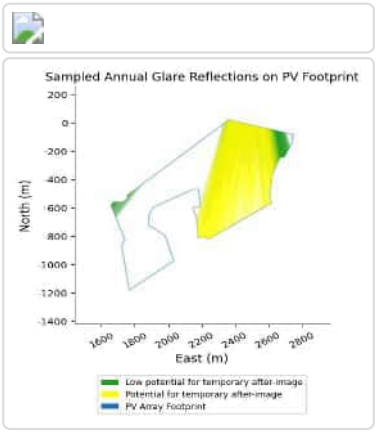
PV array 4: OP 17

PV array is expected to produce the following glare for this receptor:

- 2,547 minutes of "green" glare with low potential to cause temporary after-image.
- 1,860 minutes of "yellow" glare with potential to cause temporary after-image.



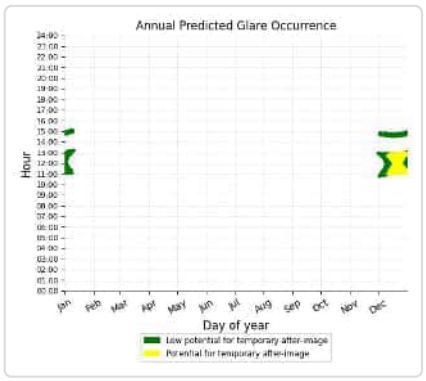


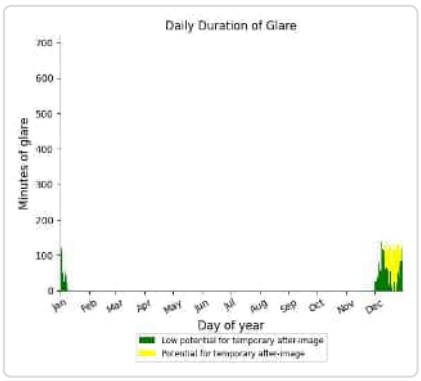


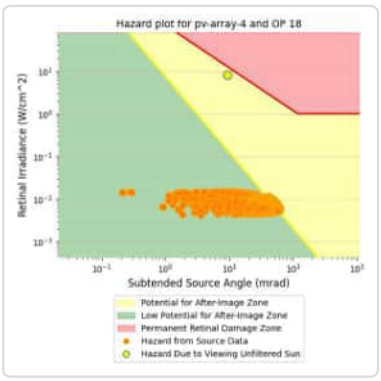
PV array 4: OP 18

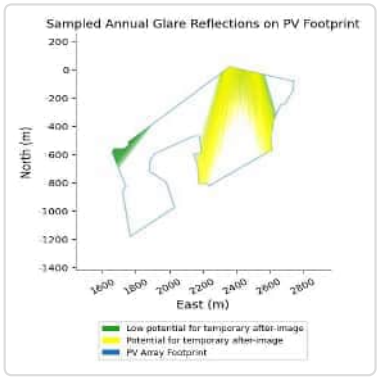
PV array is expected to produce the following glare for this receptor:

- 2,160 minutes of "green" glare with low potential to cause temporary after-image.
- 1,544 minutes of "yellow" glare with potential to cause temporary after-image.





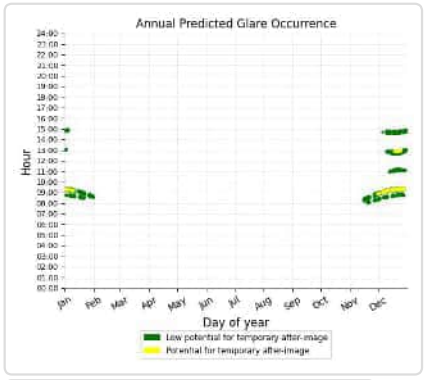


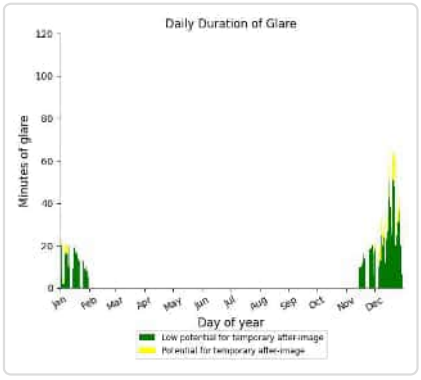


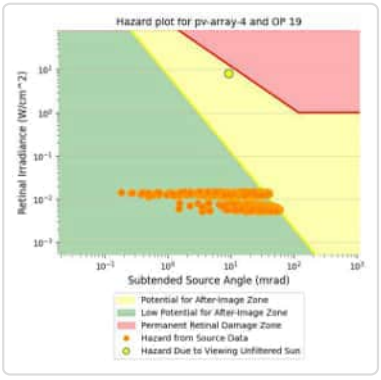
PV array 4: OP 19

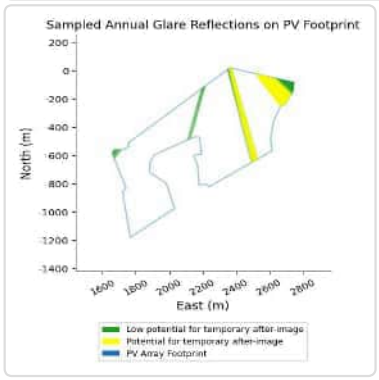
PV array is expected to produce the following glare for this receptor:

- 1,193 minutes of "green" glare with low potential to cause temporary after-image.
- 170 minutes of "yellow" glare with potential to cause temporary after-image.





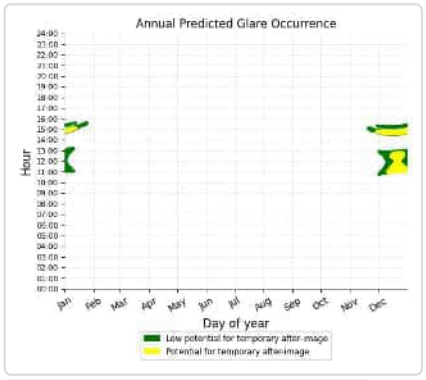


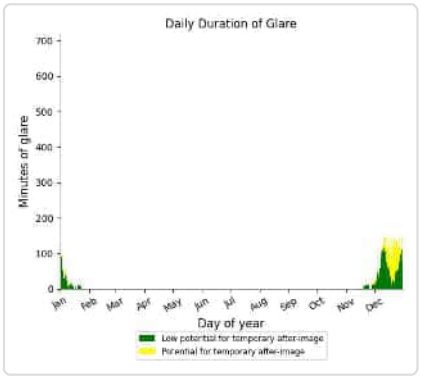


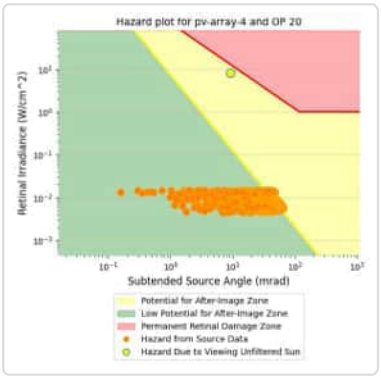
PV array 4: OP 20

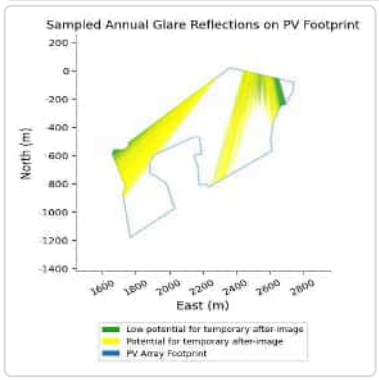
PV array is expected to produce the following glare for this receptor:

- 2,507 minutes of "green" glare with low potential to cause temporary after-image.
- 1,501 minutes of "yellow" glare with potential to cause temporary after-image.





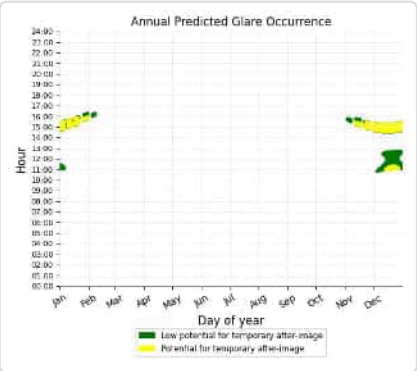


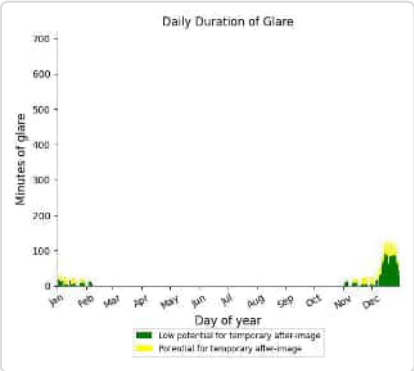


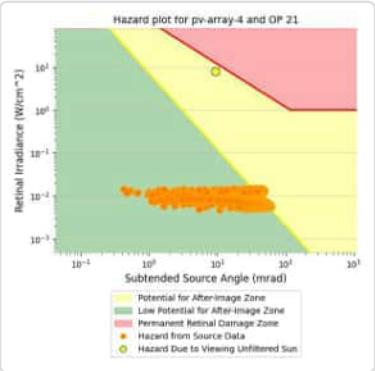
PV array 4: OP 21

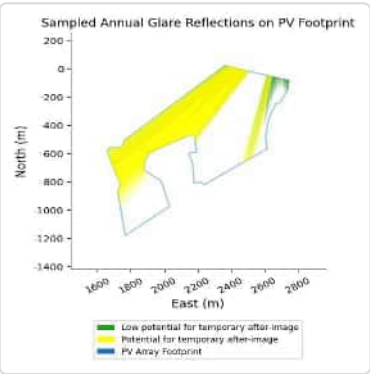
PV array is expected to produce the following glare for this receptor:

- 1,976 minutes of "green" glare with low potential to cause temporary after-image.
- 1,019 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 4: OP 22

No glare found

PV array 4: OP 23

No glare found

PV array 4: OP 24

No glare found

PV array 4: OP 25

No glare found

PV array 4: OP 26

No glare found

PV array 4: OP 27

No glare found

PV array 4: OP 28

No glare found

PV array 4: OP 29

No glare found

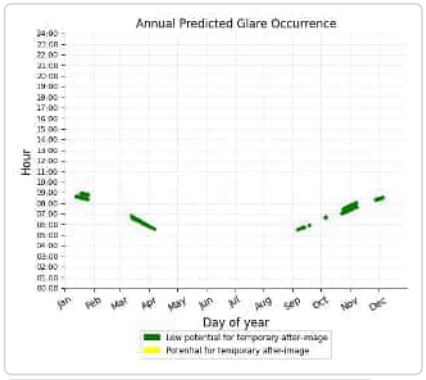
PV array 4: OP 30

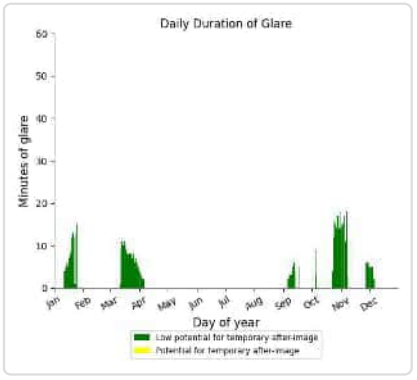
No glare found

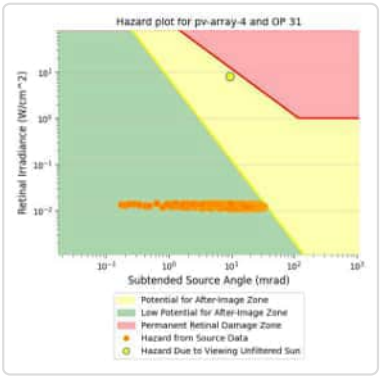
PV array 4: OP 31

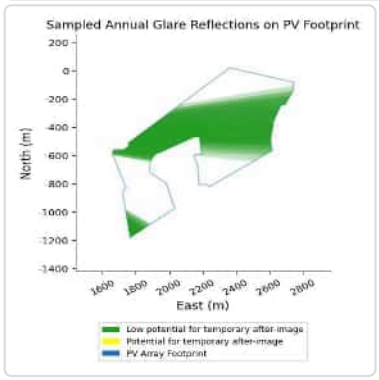
PV array is expected to produce the following glare for this receptor:

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









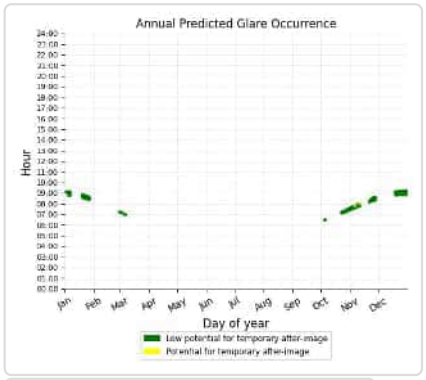
PV array 4: OP 32

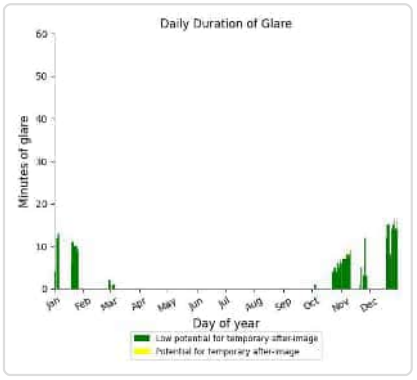
No glare found

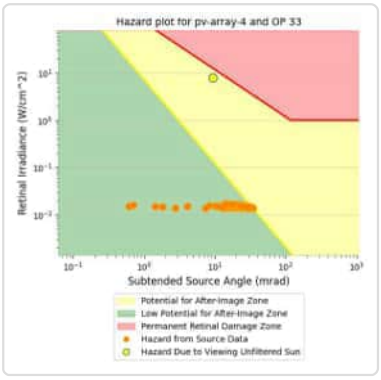
PV array 4: OP 33

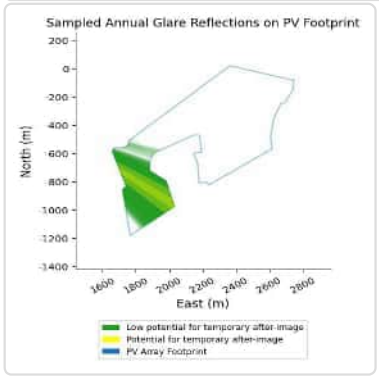
PV array is expected to produce the following glare for this receptor:

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





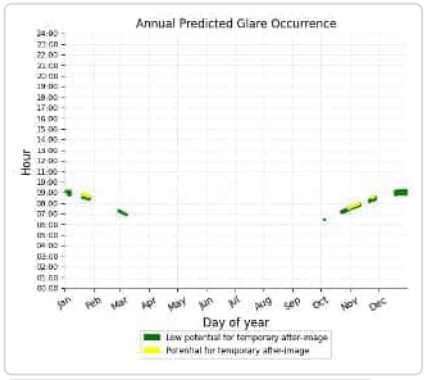


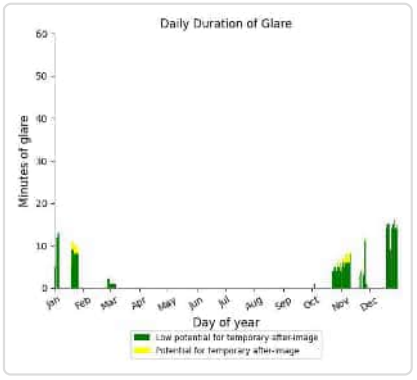


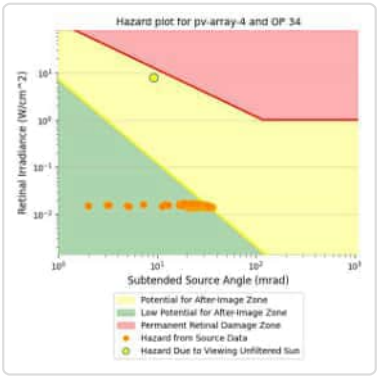
PV array 4: OP 34

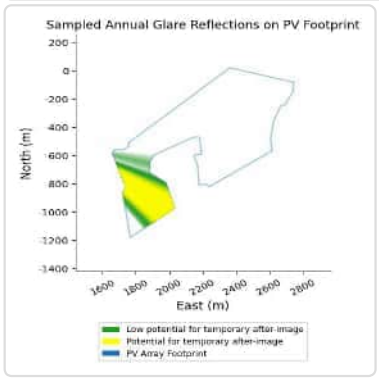
PV array is expected to produce the following glare for this receptor:

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





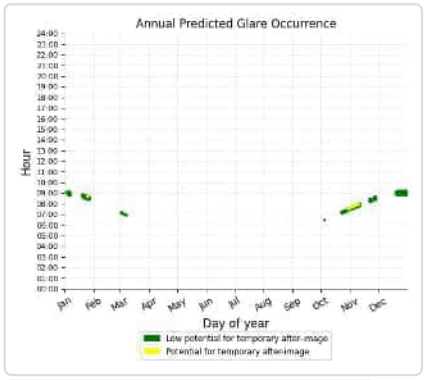


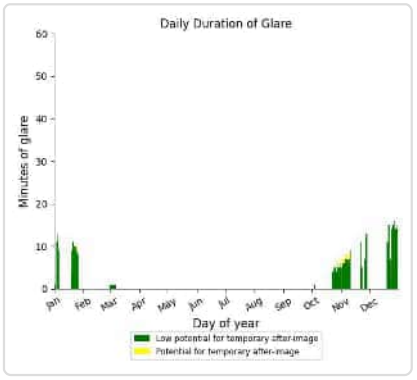


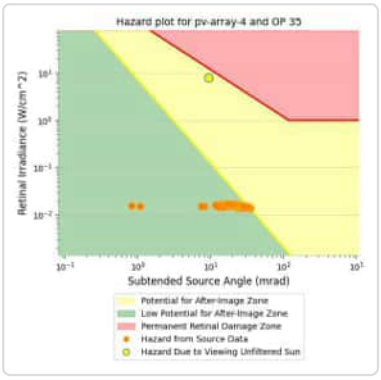
PV array 4: OP 35

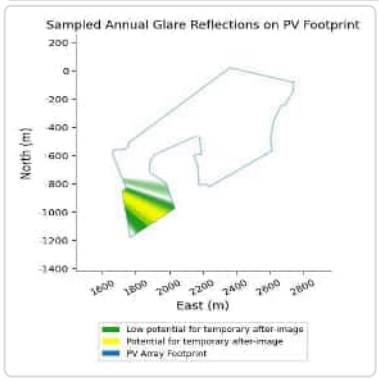
PV array is expected to produce the following glare for this receptor:

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





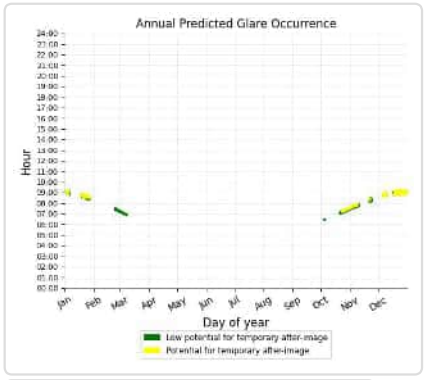


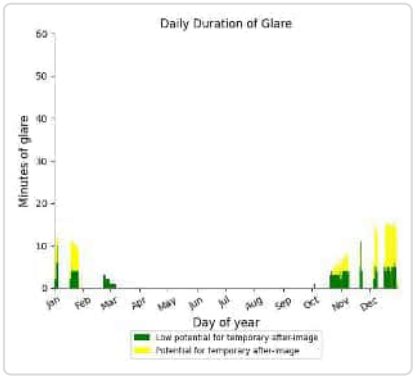


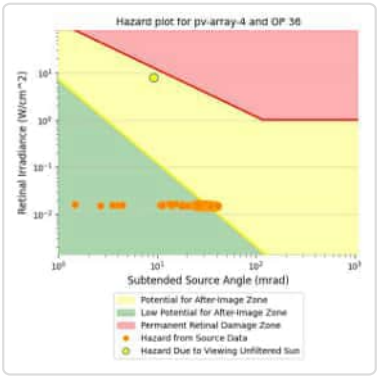
PV array 4: OP 36

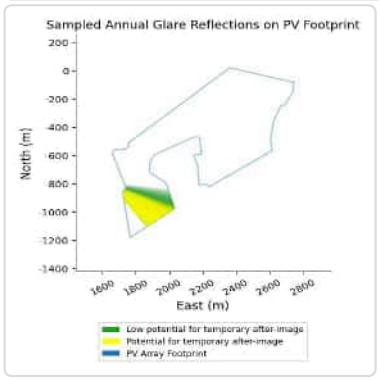
PV array is expected to produce the following glare for this receptor:

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





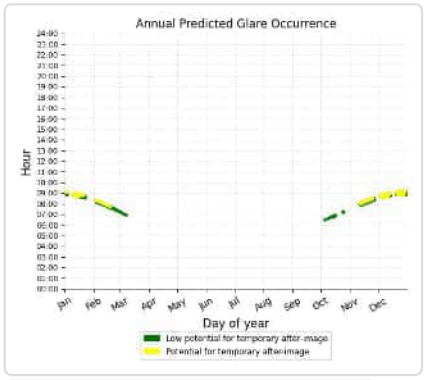


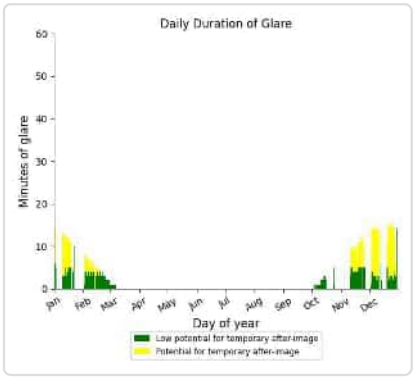


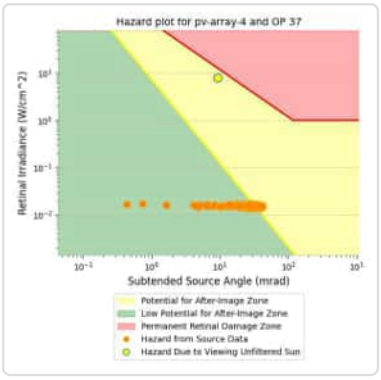
PV array 4: OP 37

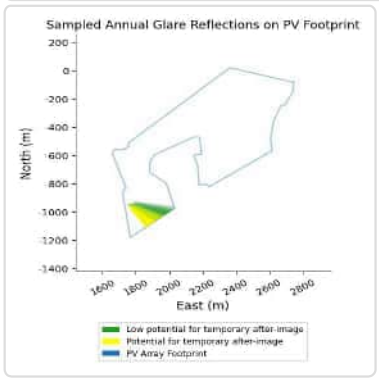
PV array is expected to produce the following glare for this receptor:

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





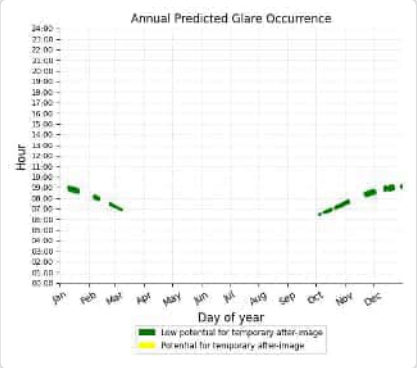


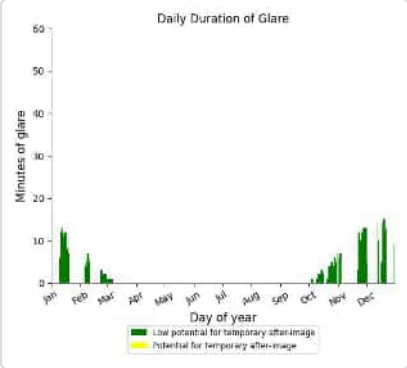


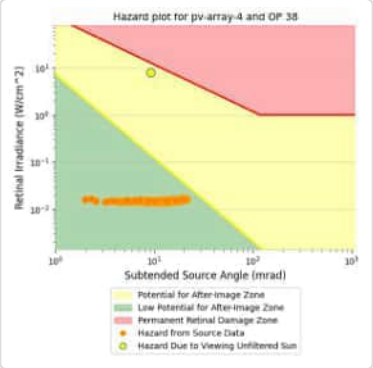
PV array 4: OP 38

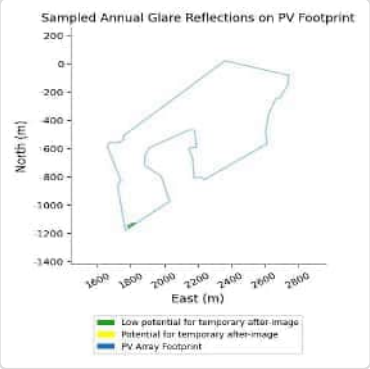
PV array is expected to produce the following glare for this receptor:

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









PV array 4: OP 39

No glare found

PV array 4: OP 40

No glare found

PV array 4: OP 41

No glare found

PV array 4: OP 42

No glare found

PV array 4: OP 43

No glare found

PV array 4: OP 44

No glare found

PV array 4: OP 45

No glare found

PV array 4: OP 46

No glare found

PV array 4: OP 47

No glare found

PV array 4: OP 48
No glare found

PV array 4: OP 49
No glare found

PV array 4: OP 50
No glare found

PV array 4: OP 51
No glare found

PV array 4: OP 52
No glare found

PV array 4: OP 53
No glare found

PV array 4: OP 54
No glare found

PV array 4: OP 55
No glare found

PV array 4: OP 56
No glare found

PV array 4: OP 57
No glare found

PV array 4: OP 58
No glare found

PV array 4: OP 59
No glare found

PV array 4: OP 60
No glare found

PV array 4: OP 61
No glare found

PV array 4: OP 62
No glare found

PV array 4: OP 63
No glare found

PV array 4: OP 64
No glare found

PV array 4: OP 65
No glare found

PV array 4: OP 66
No glare found

PV array 4: OP 67
No glare found

PV array 4: OP 68
No glare found

PV array 4: OP 69
No glare found

PV array 4: OP 70
No glare found

PV array 4: OP 71
No glare found

PV array 4: OP 72
No glare found

PV array 4: OP 73
No glare found

PV array 4: OP 74
No glare found

PV array 4: OP 75
No glare found

PV array 4: OP 76
No glare found

PV array 4: OP 77
No glare found

PV array 4: OP 78
No glare found

PV array 4: OP 79
No glare found

PV array 6 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	216	0
OP: OP 9	445	0
OP: OP 10	366	0
OP: OP 11	0	0
OP: OP 12	626	0
OP: OP 13	3024	0
OP: OP 14	505	0
OP: OP 15	570	0
OP: OP 16	0	0
OP: OP 17	4371	1004
OP: OP 18	4197	749
OP: OP 19	0	0
OP: OP 20	4312	1312
OP: OP 21	3748	771
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	228	0
OP: OP 29	341	0
OP: OP 30	345	0
OP: OP 31	207	0
OP: OP 32	216	0
OP: OP 33	26	0
OP: OP 34	26	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	269	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	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
OP: OP 52	0	0
OP: OP 53	0	0
OP: OP 54	0	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	0	0
OP: OP 58	0	0
OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	0	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

PV array 6: OP 1

No glare found

PV array 6: OP 2

No glare found

PV array 6: OP 3

No glare found

PV array 6: OP 4

No glare found

PV array 6: OP 5

No glare found

PV array 6: OP 6

No glare found

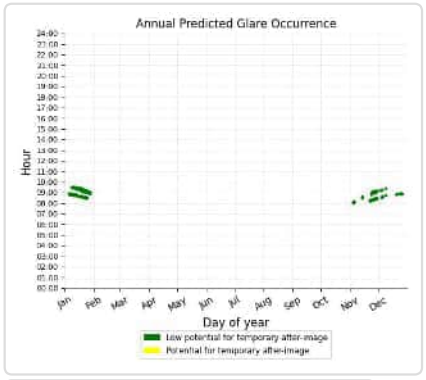
PV array 6: OP 7

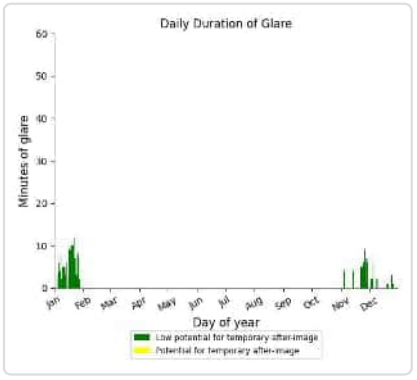
No glare found

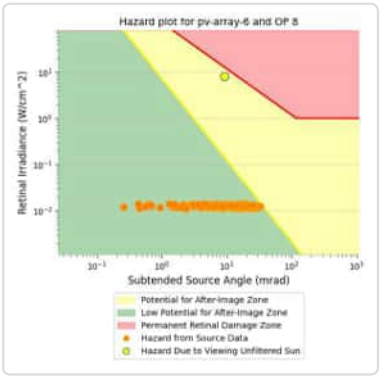
PV array 6: OP 8

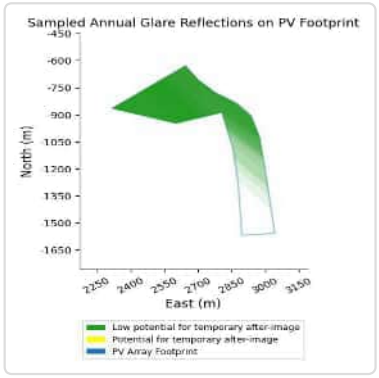
PV array is expected to produce the following glare for this receptor:

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





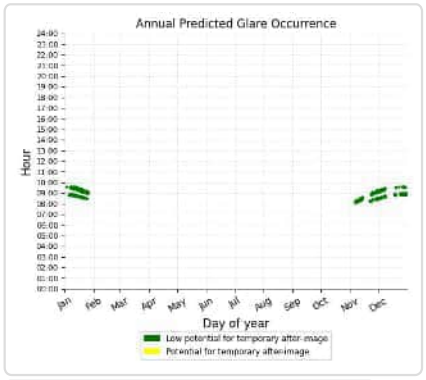


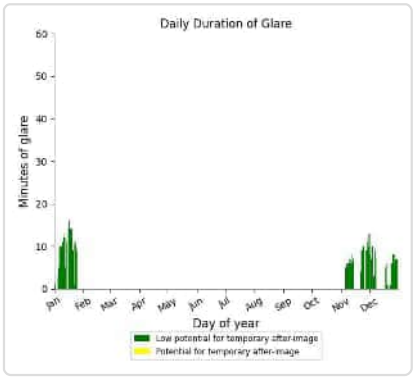


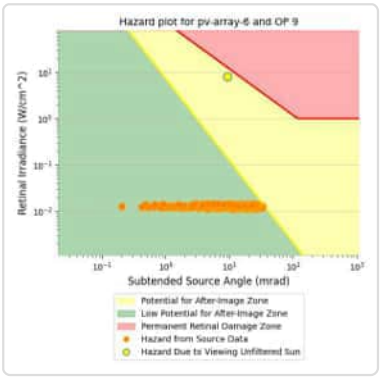
PV array 6: OP 9

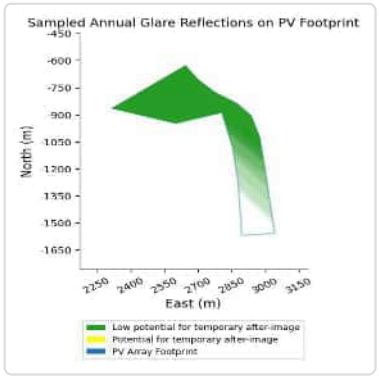
PV array is expected to produce the following glare for this receptor:

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





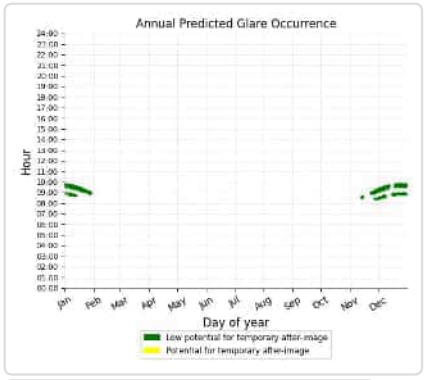


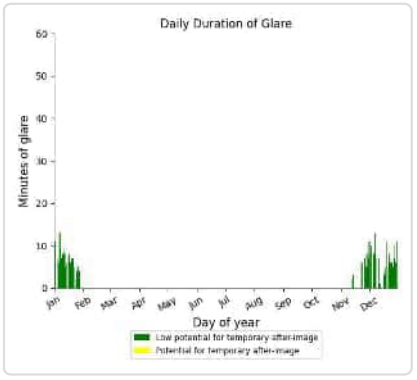


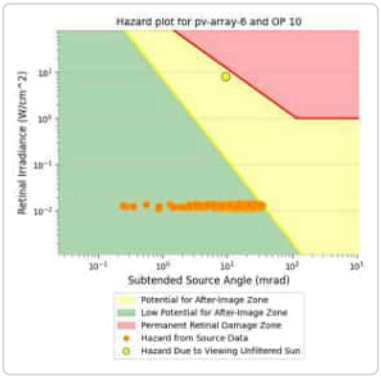
PV array 6: OP 10

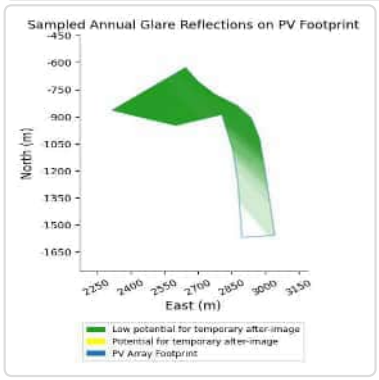
PV array is expected to produce the following glare for this receptor:

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









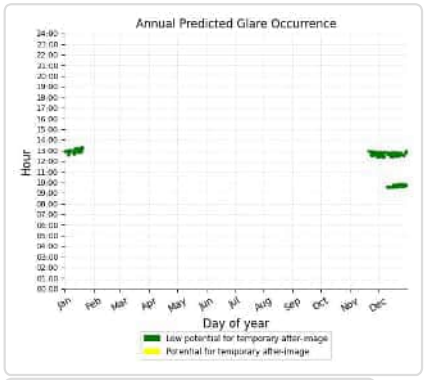
PV array 6: OP 11

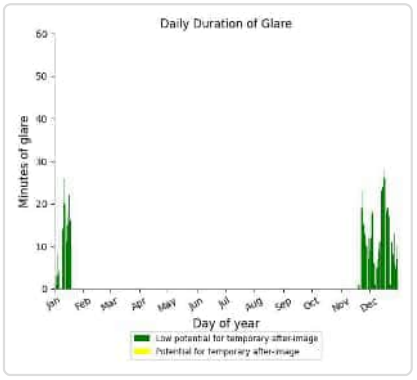
No glare found

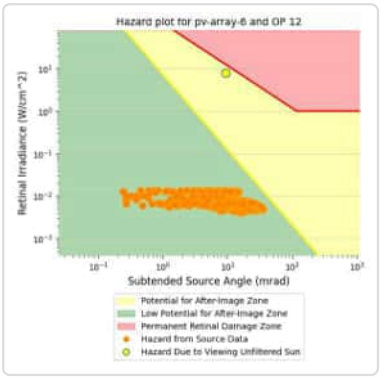
PV array 6: OP 12

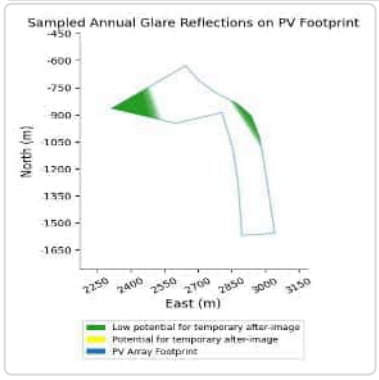
PV array is expected to produce the following glare for this receptor:

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





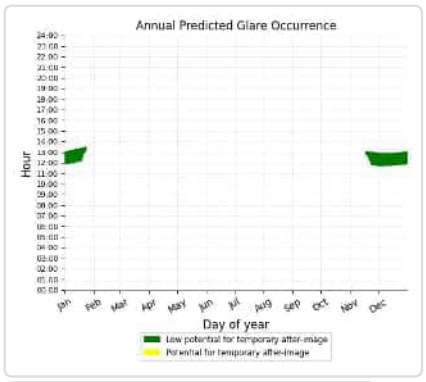


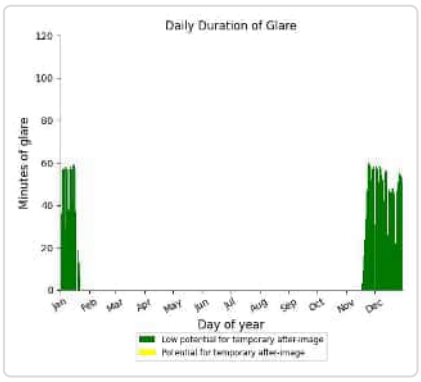


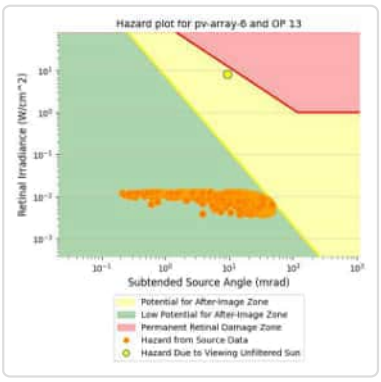
PV array 6: OP 13

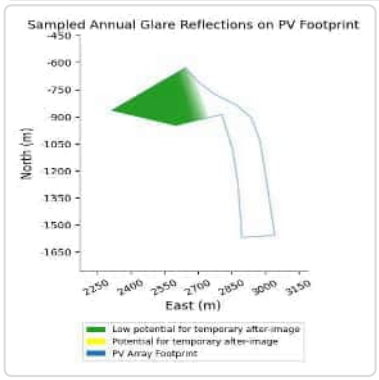
PV array is expected to produce the following glare for this receptor:

- 3,024 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.





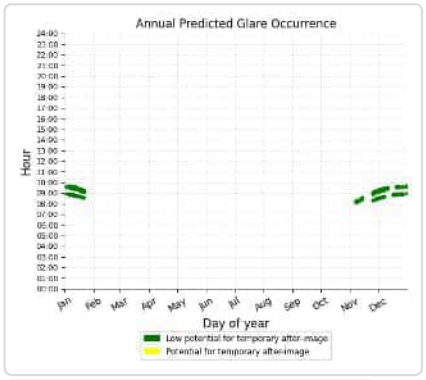


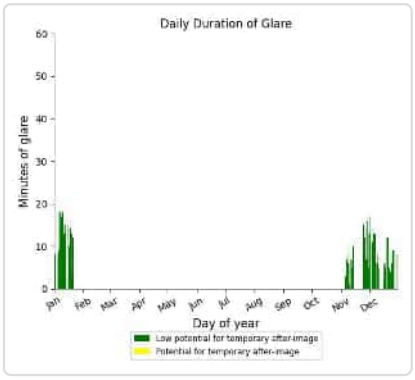


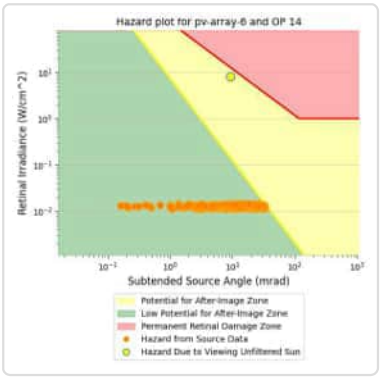
PV array 6: OP 14

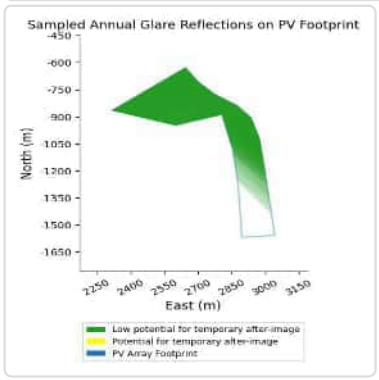
PV array is expected to produce the following glare for this receptor:

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





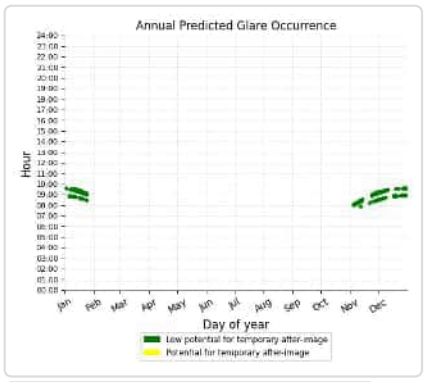


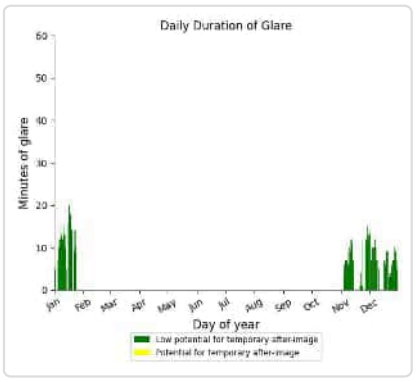


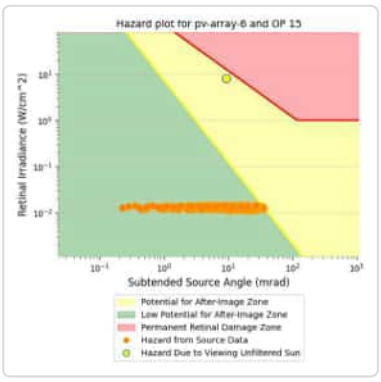
PV array 6: OP 15

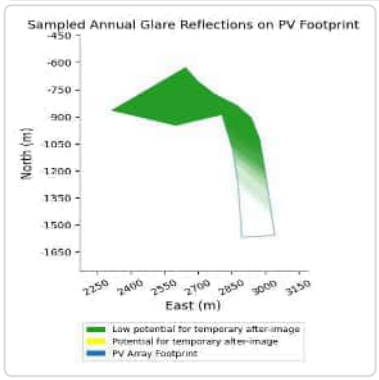
PV array is expected to produce the following glare for this receptor:

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









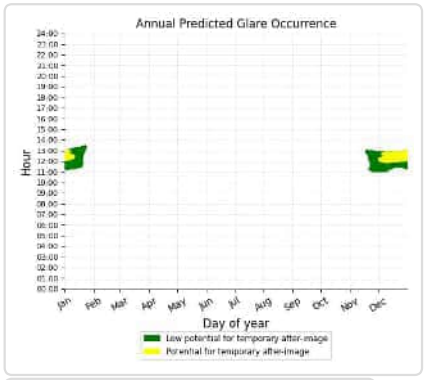
PV array 6: OP 16

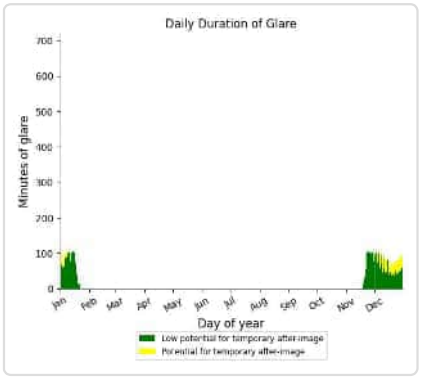
No glare found

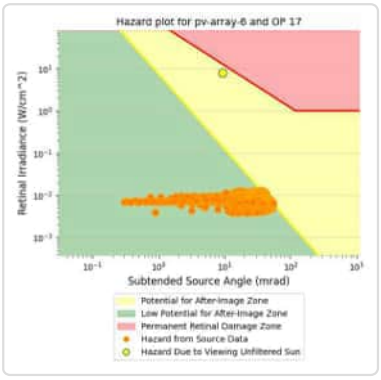
PV array 6: OP 17

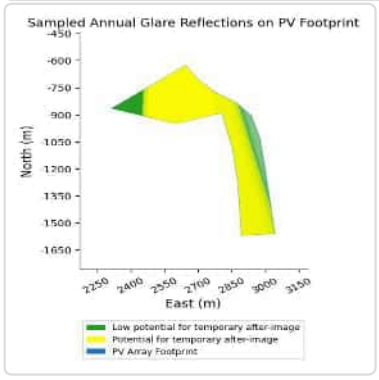
PV array is expected to produce the following glare for this receptor:

- 4,371 minutes of "green" glare with low potential to cause temporary after-image.
- 1,004 minutes of "yellow" glare with potential to cause temporary after-image.





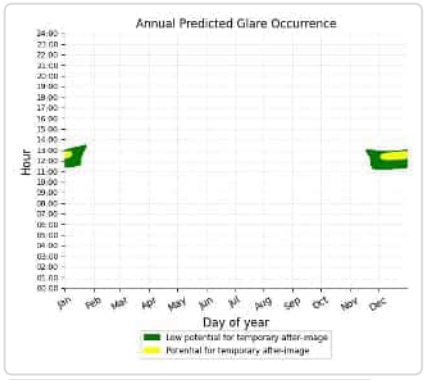


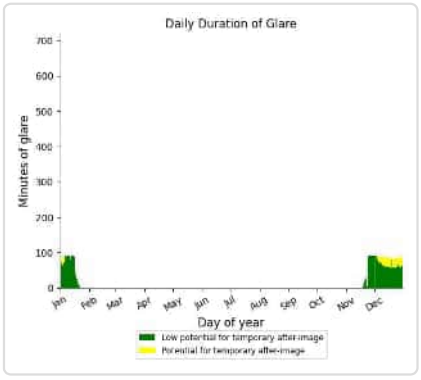


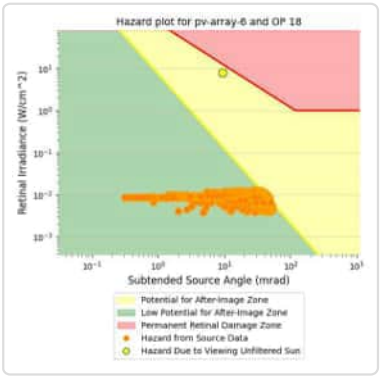
PV array 6: OP 18

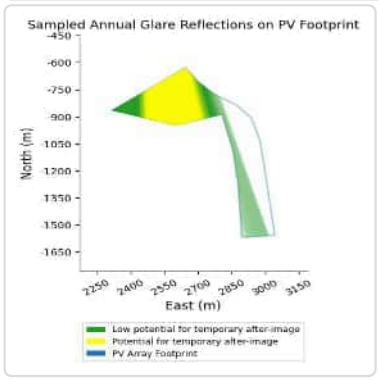
PV array is expected to produce the following glare for this receptor:

- 4,197 minutes of "green" glare with low potential to cause temporary after-image.
- 749 minutes of "yellow" glare with potential to cause temporary after-image.









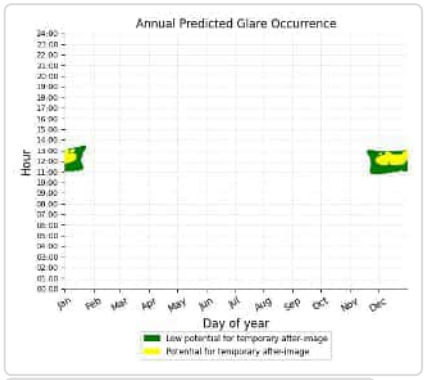
PV array 6: OP 19

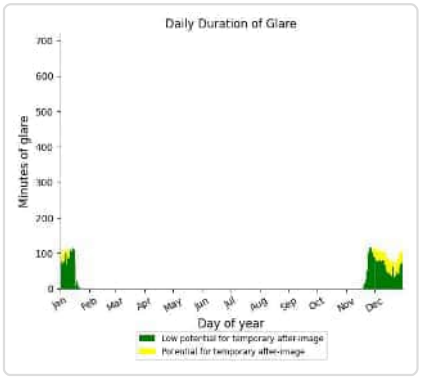
No glare found

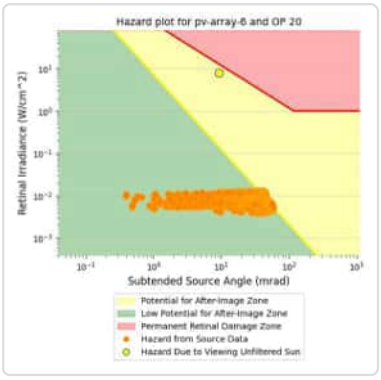
PV array 6: OP 20

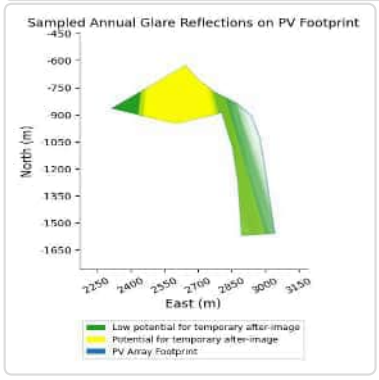
PV array is expected to produce the following glare for this receptor:

- 4,312 minutes of "green" glare with low potential to cause temporary after-image.
- 1,312 minutes of "yellow" glare with potential to cause temporary after-image.





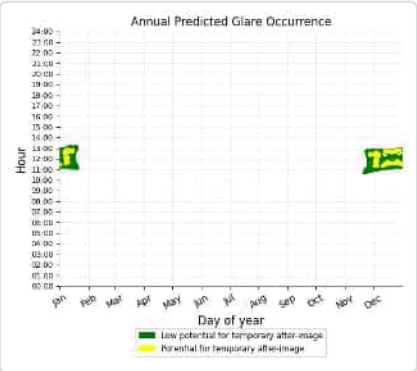


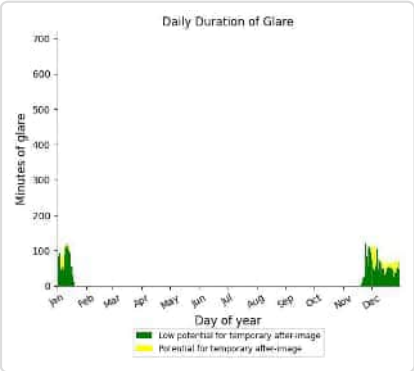


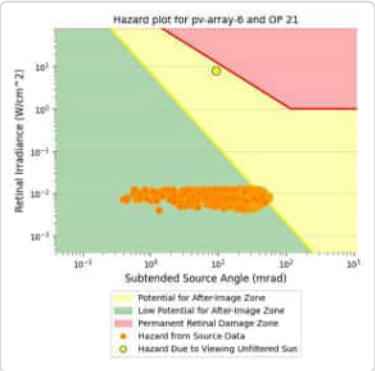
PV array 6: OP 21

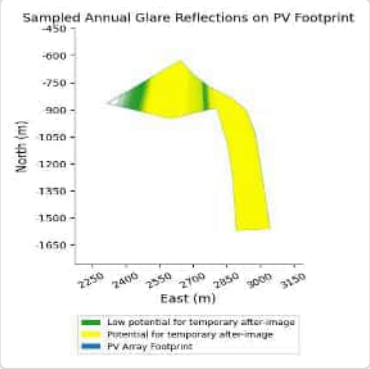
PV array is expected to produce the following glare for this receptor:

- 3,748 minutes of "green" glare with low potential to cause temporary after-image.
- 771 minutes of "yellow" glare with potential to cause temporary after-image.









PV array 6: OP 22

No glare found

PV array 6: OP 23

No glare found

PV array 6: OP 24

No glare found

PV array 6: OP 25

No glare found

PV array 6: OP 26

No glare found

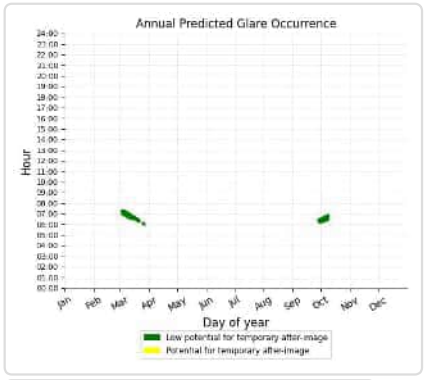
PV array 6: OP 27

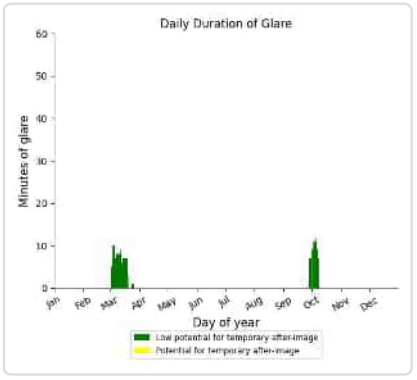
No glare found

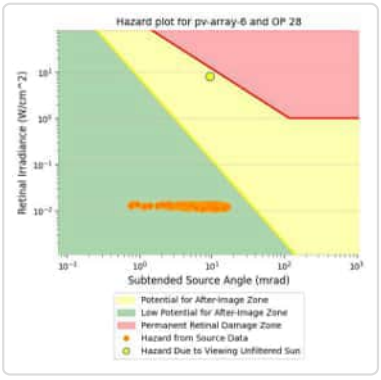
PV array 6: OP 28

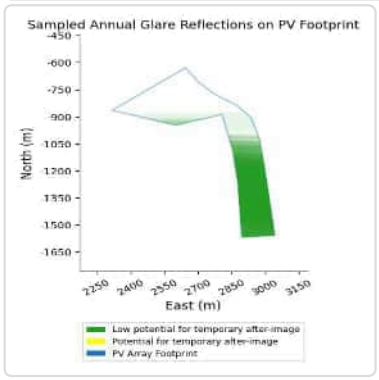
PV array is expected to produce the following glare for this receptor:

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





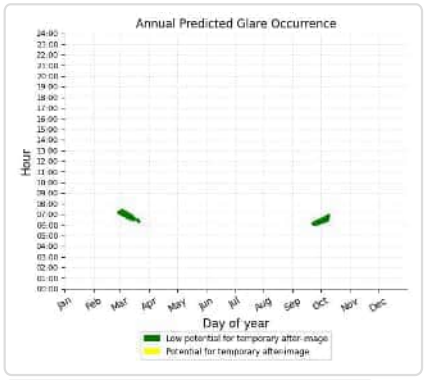


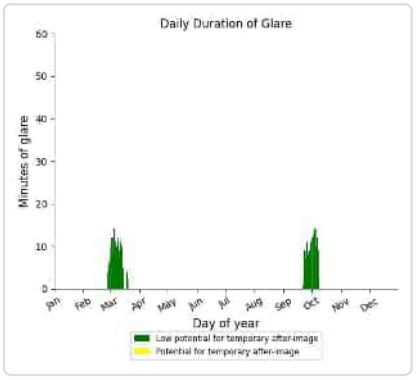


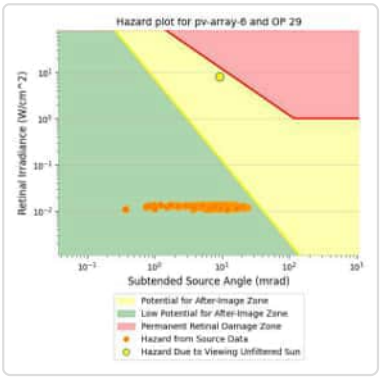
PV array 6: OP 29

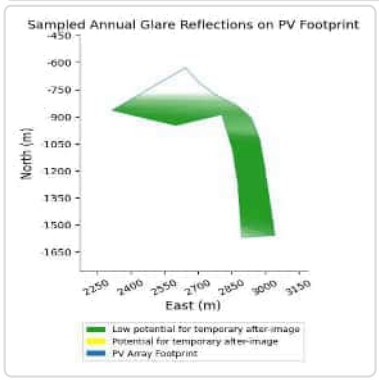
PV array is expected to produce the following glare for this receptor:

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





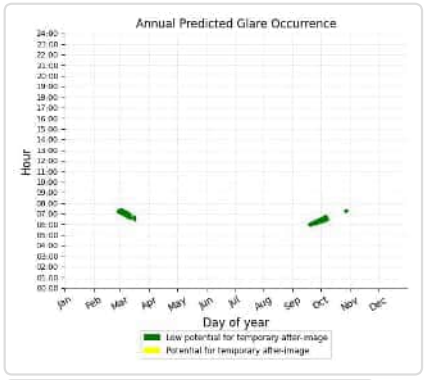


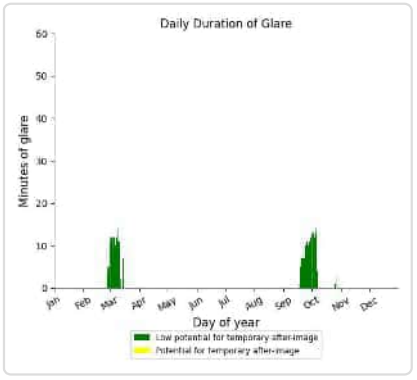


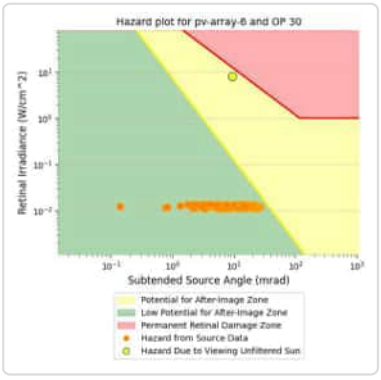
PV array 6: OP 30

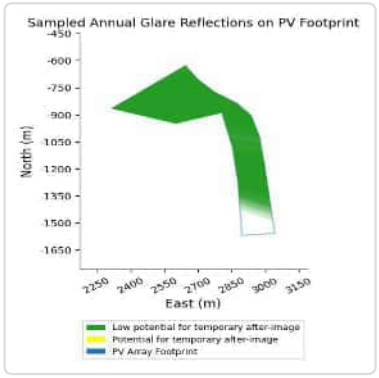
PV array is expected to produce the following glare for this receptor:

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





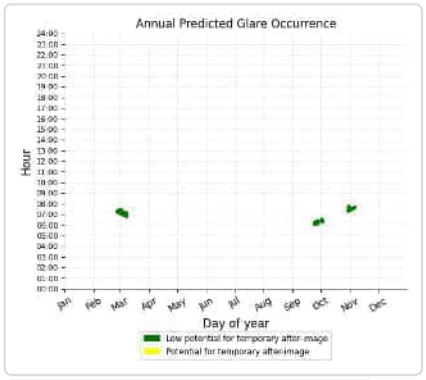


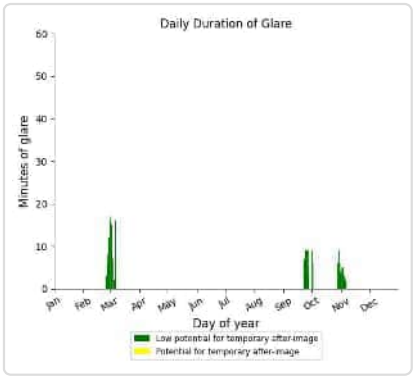


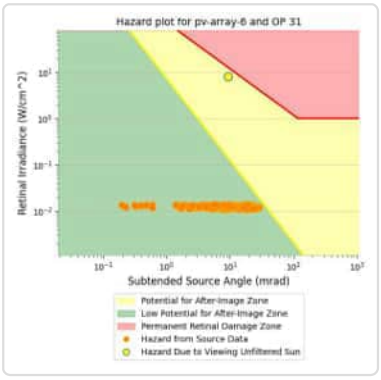
PV array 6: OP 31

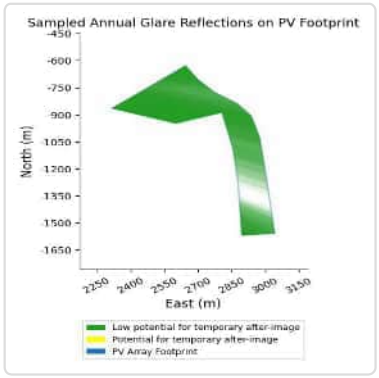
PV array is expected to produce the following glare for this receptor:

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





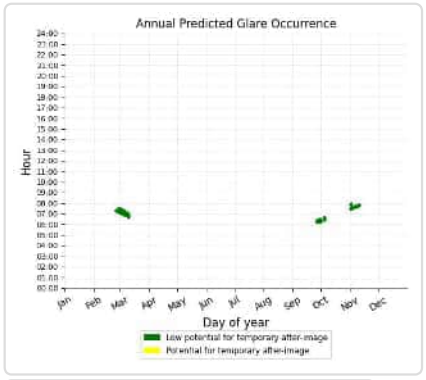


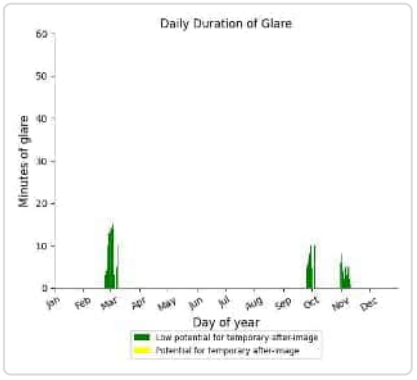


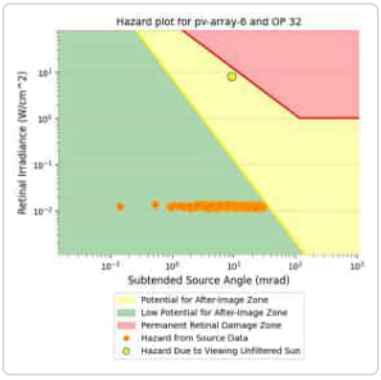
PV array 6: OP 32

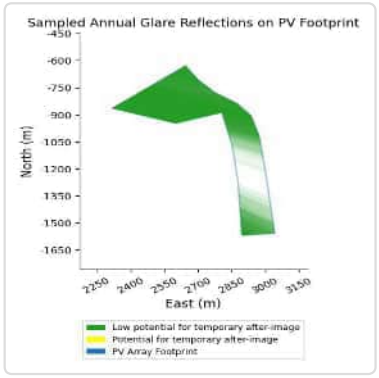
PV array is expected to produce the following glare for this receptor:

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





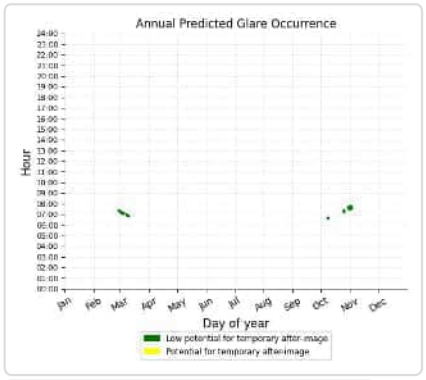


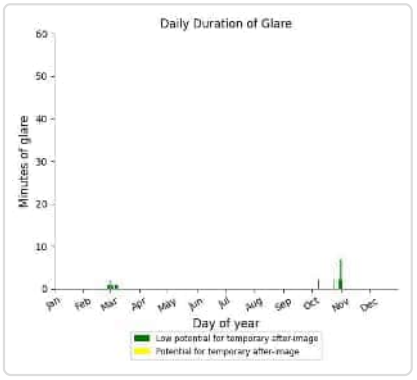


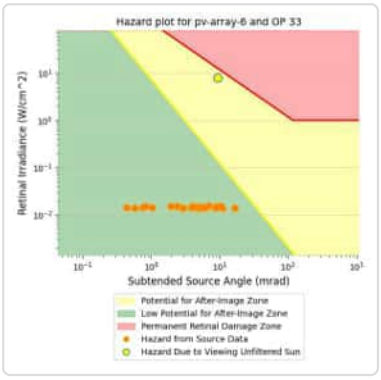
PV array 6: OP 33

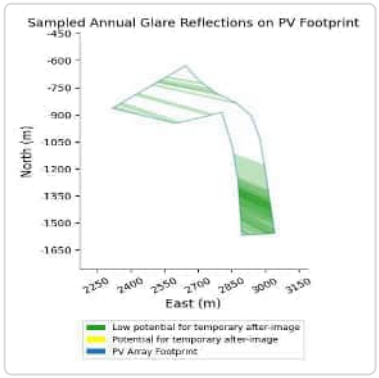
PV array is expected to produce the following glare for this receptor:

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





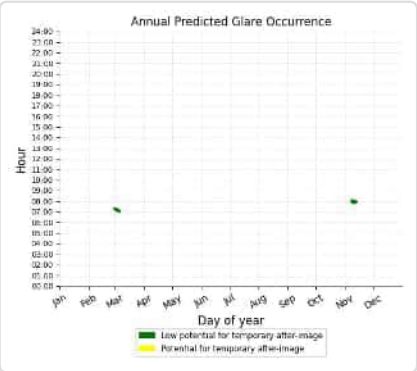


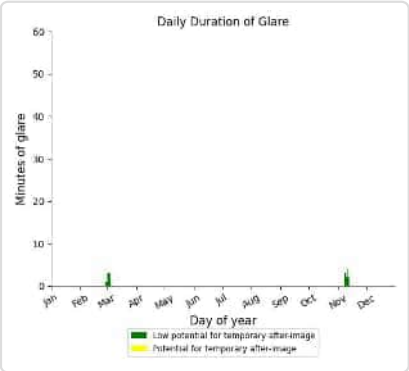


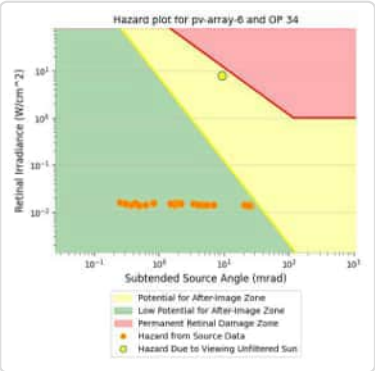
PV array 6: OP 34

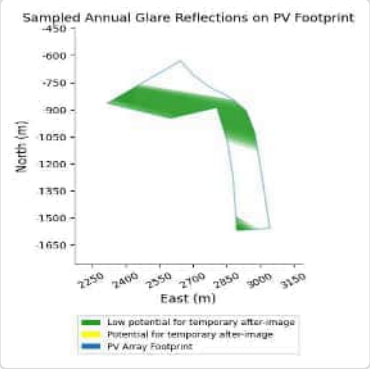
PV array is expected to produce the following glare for this receptor:

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









PV array 6: OP 35

No glare found

PV array 6: OP 36

No glare found

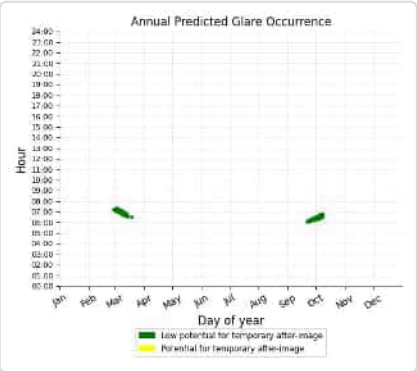
PV array 6: OP 37

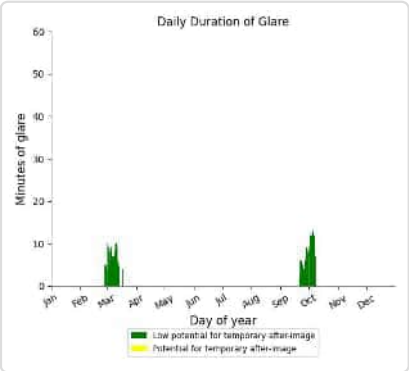
No glare found

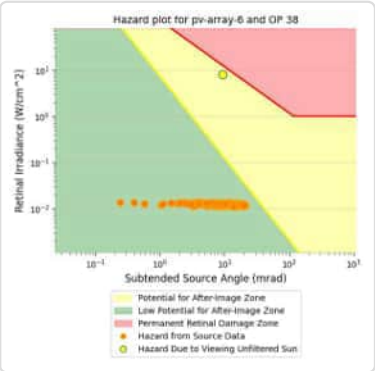
PV array 6: OP 38

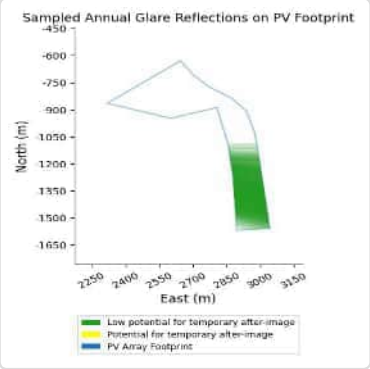
PV array is expected to produce the following glare for this receptor:

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









PV array 6: OP 39

No glare found

PV array 6: OP 40

No glare found

PV array 6: OP 41

No glare found

PV array 6: OP 42

No glare found

PV array 6: OP 43

No glare found

PV array 6: OP 44

No glare found

PV array 6: OP 45

No glare found

PV array 6: OP 46

No glare found

PV array 6: OP 47

No glare found

PV array 6: OP 48
No glare found

PV array 6: OP 49
No glare found

PV array 6: OP 50
No glare found

PV array 6: OP 51
No glare found

PV array 6: OP 52
No glare found

PV array 6: OP 53
No glare found

PV array 6: OP 54
No glare found

PV array 6: OP 55
No glare found

PV array 6: OP 56
No glare found

PV array 6: OP 57
No glare found

PV array 6: OP 58
No glare found

PV array 6: OP 59
No glare found

PV array 6: OP 60
No glare found

PV array 6: OP 61
No glare found

PV array 6: OP 62
No glare found

PV array 6: OP 63
No glare found

PV array 6: OP 64
No glare found

PV array 6: OP 65
No glare found

PV array 6: OP 66
No glare found

PV array 6: OP 67
No glare found

PV array 6: OP 68
No glare found

PV array 6: OP 69
No glare found

PV array 6: OP 70
No glare found

PV array 6: OP 71
No glare found

PV array 6: OP 72
No glare found

PV array 6: OP 73
No glare found

PV array 6: OP 74
No glare found

PV array 6: OP 75
No glare found

PV array 6: OP 76
No glare found

PV array 6: OP 77
No glare found

PV array 6: OP 78
No glare found

PV array 6: OP 79
No glare found

PV array 7 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	1249	265
OP: OP 40	436	0
OP: OP 41	137	0
OP: OP 42	123	0
OP: OP 43	0	0
OP: OP 44	670	0
OP: OP 45	533	28
OP: OP 46	564	0
OP: OP 47	429	0
OP: OP 48	634	0
OP: OP 49	622	0
OP: OP 50	516	0

OP: OP 51	514	0
OP: OP 52	553	0
OP: OP 53	613	0
OP: OP 54	590	0
OP: OP 55	590	0
OP: OP 56	574	0
OP: OP 57	570	0
OP: OP 58	561	0
OP: OP 59	544	0
OP: OP 60	565	0
OP: OP 61	546	0
OP: OP 62	575	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	148	0
OP: OP 77	44	0
OP: OP 78	0	0
OP: OP 79	0	0

PV array 7: OP 1

No glare found

PV array 7: OP 2

No glare found

PV array 7: OP 3

No glare found

PV array 7: OP 4

No glare found

PV array 7: OP 5

No glare found

PV array 7: OP 6

No glare found

PV array 7: OP 7

No glare found

PV array 7: OP 8
No glare found

PV array 7: OP 9
No glare found

PV array 7: OP 10
No glare found

PV array 7: OP 11
No glare found

PV array 7: OP 12
No glare found

PV array 7: OP 13
No glare found

PV array 7: OP 14
No glare found

PV array 7: OP 15
No glare found

PV array 7: OP 16
No glare found

PV array 7: OP 17
No glare found

PV array 7: OP 18
No glare found

PV array 7: OP 19
No glare found

PV array 7: OP 20
No glare found

PV array 7: OP 21
No glare found

PV array 7: OP 22
No glare found

PV array 7: OP 23
No glare found

PV array 7: OP 24
No glare found

PV array 7: OP 25
No glare found

PV array 7: OP 26
No glare found

PV array 7: OP 27
No glare found

PV array 7: OP 28
No glare found

PV array 7: OP 29
No glare found

PV array 7: OP 30
No glare found

PV array 7: OP 31
No glare found

PV array 7: OP 32
No glare found

PV array 7: OP 33
No glare found

PV array 7: OP 34
No glare found

PV array 7: OP 35
No glare found

PV array 7: OP 36
No glare found

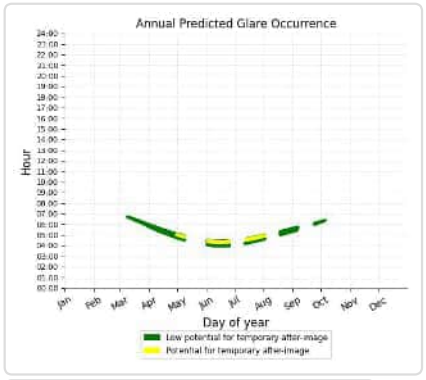
PV array 7: OP 37
No glare found

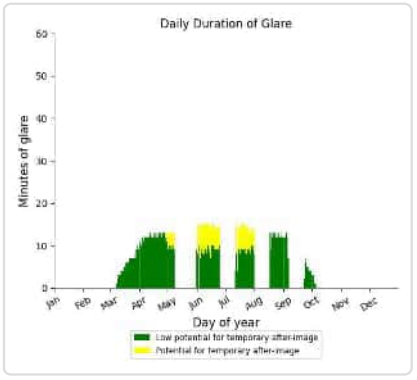
PV array 7: OP 38
No glare found

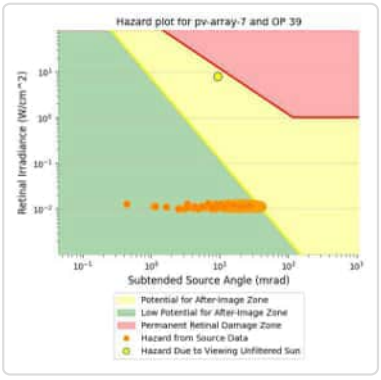
PV array 7: OP 39

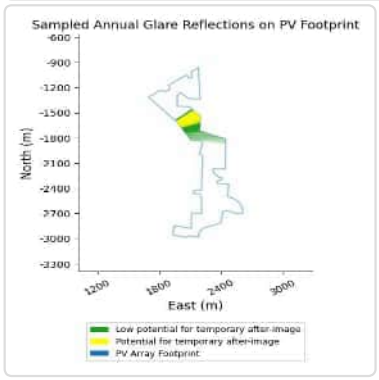
PV array is expected to produce the following glare for this receptor:

- 1,249 minutes of "green" glare with low potential to cause temporary after-image.
- 265 minutes of "yellow" glare with potential to cause temporary after-image.





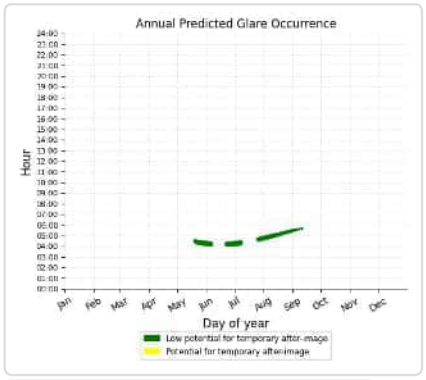


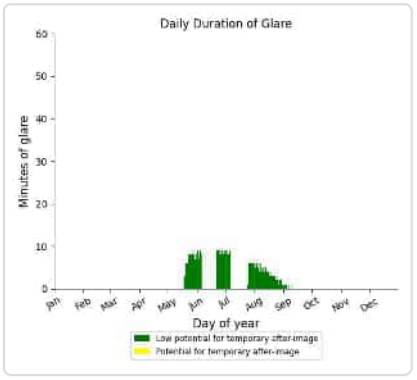


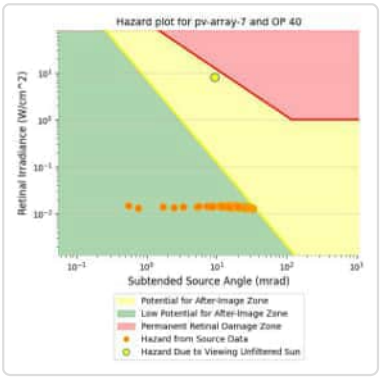
PV array 7: OP 40

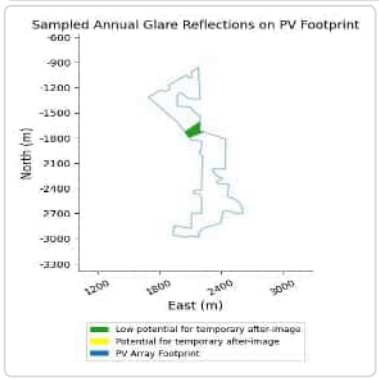
PV array is expected to produce the following glare for this receptor:

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





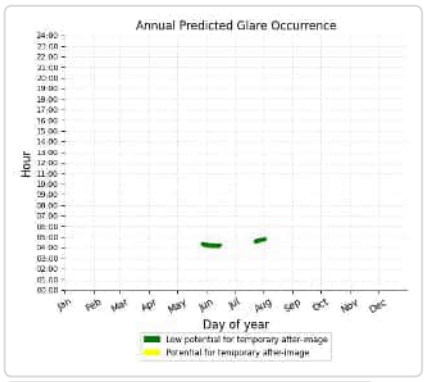


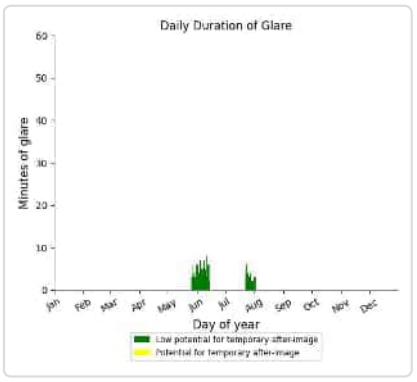


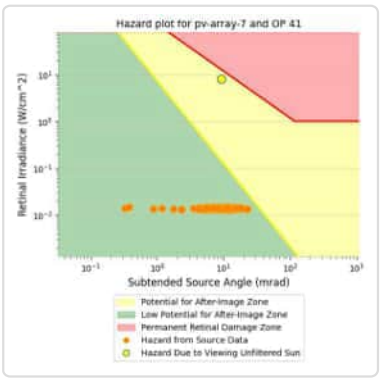
PV array 7: OP 41

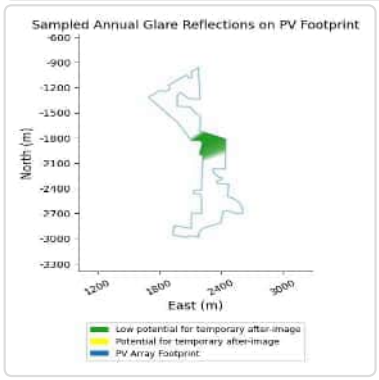
PV array is expected to produce the following glare for this receptor:

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





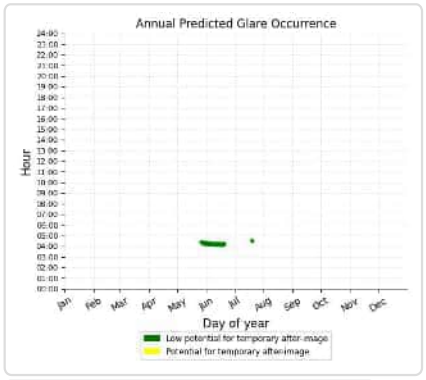


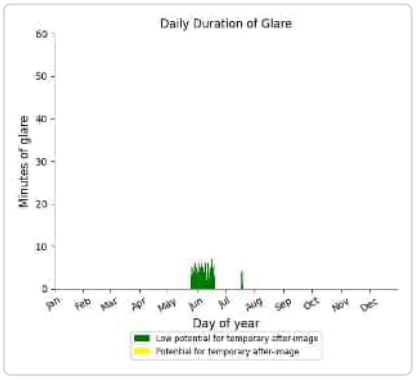


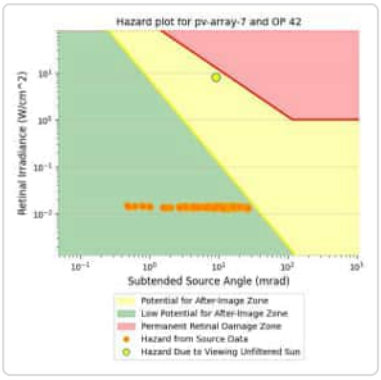
PV array 7: OP 42

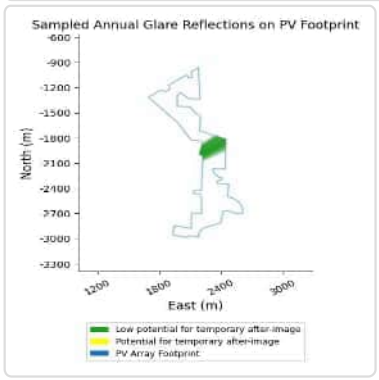
PV array is expected to produce the following glare for this receptor:

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









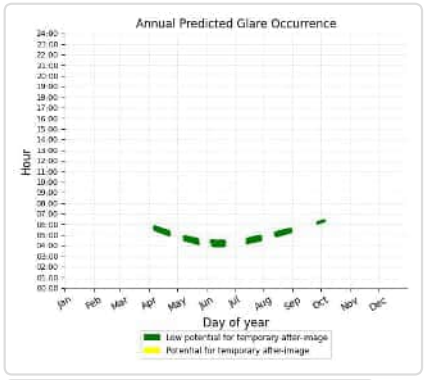
PV array 7: OP 43

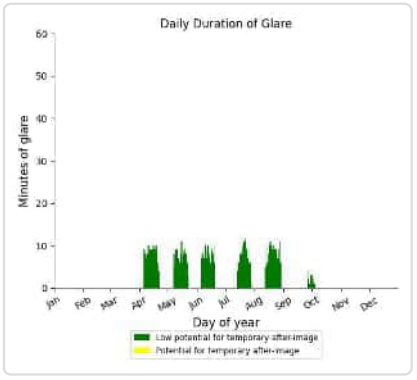
No glare found

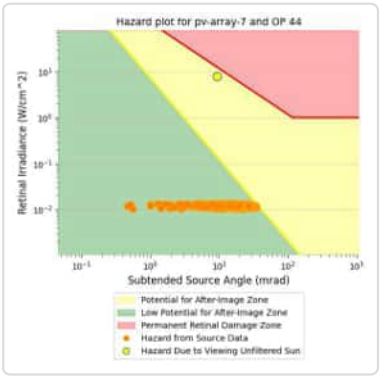
PV array 7: OP 44

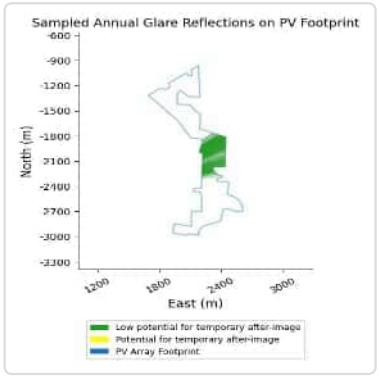
PV array is expected to produce the following glare for this receptor:

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





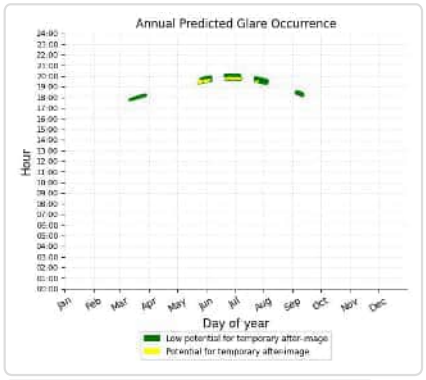


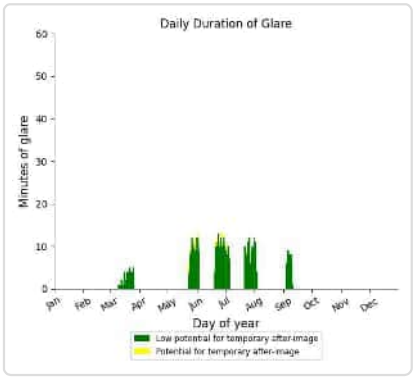


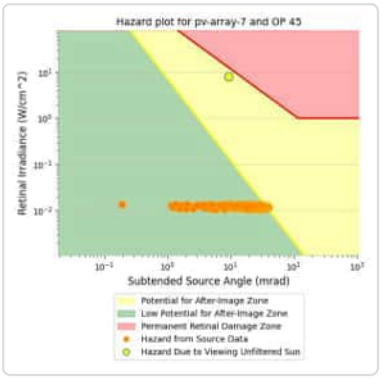
PV array 7: OP 45

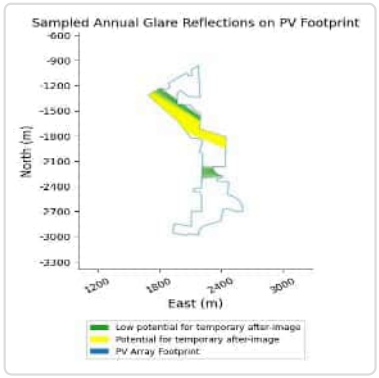
PV array is expected to produce the following glare for this receptor:

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





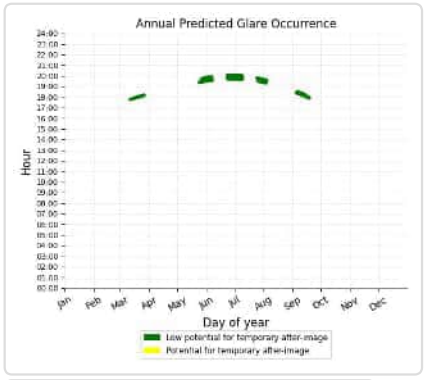


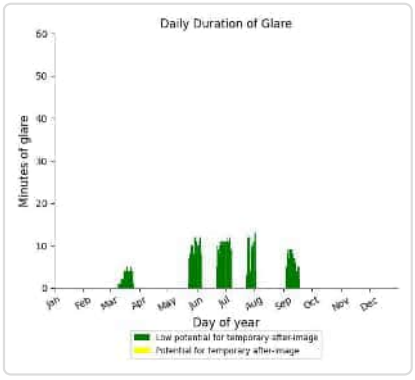


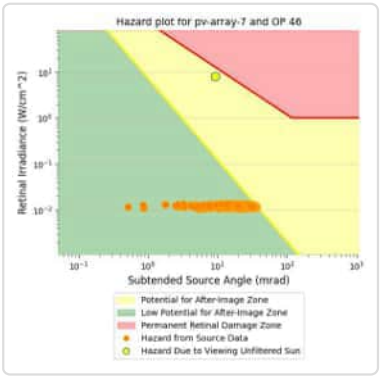
PV array 7: OP 46

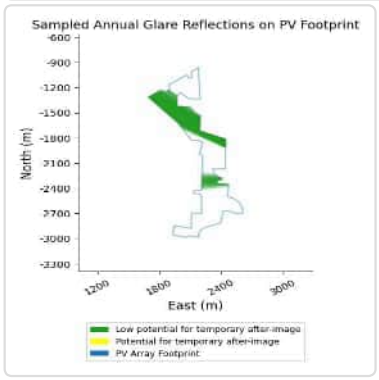
PV array is expected to produce the following glare for this receptor:

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





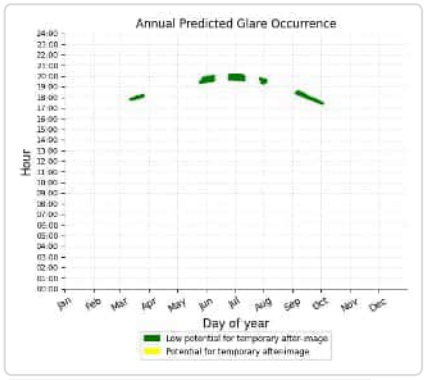


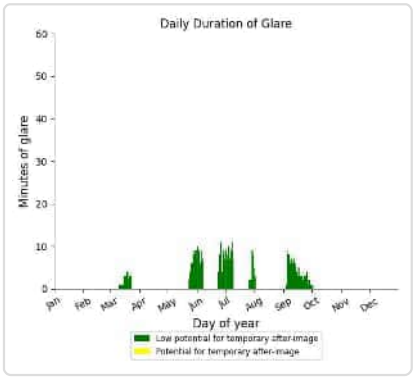


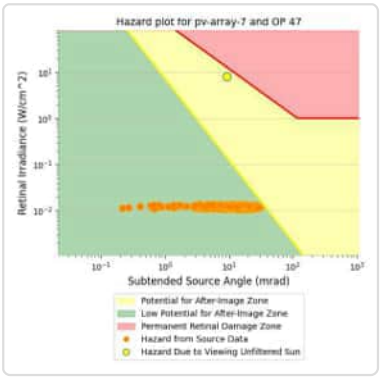
PV array 7: OP 47

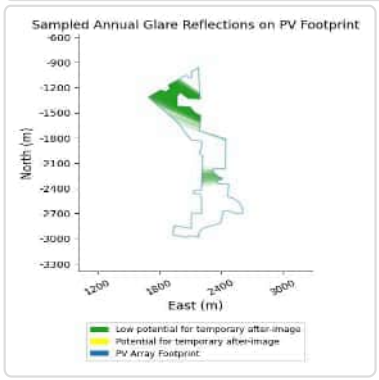
PV array is expected to produce the following glare for this receptor:

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





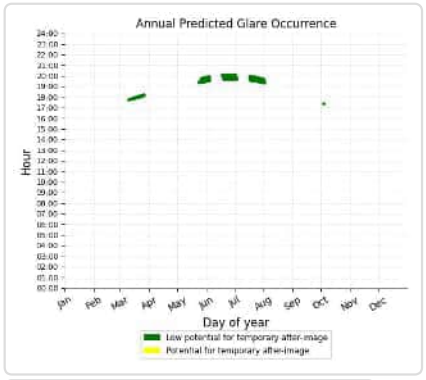


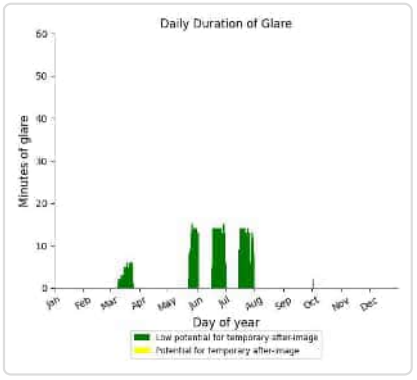


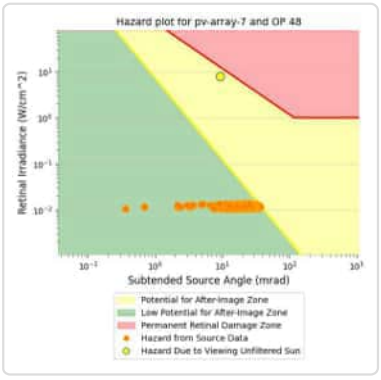
PV array 7: OP 48

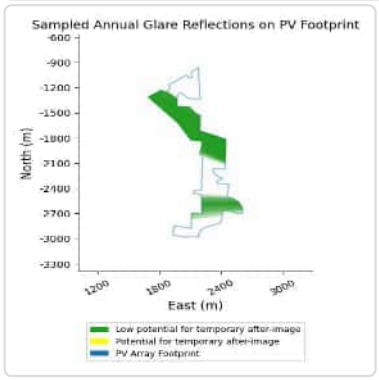
PV array is expected to produce the following glare for this receptor:

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





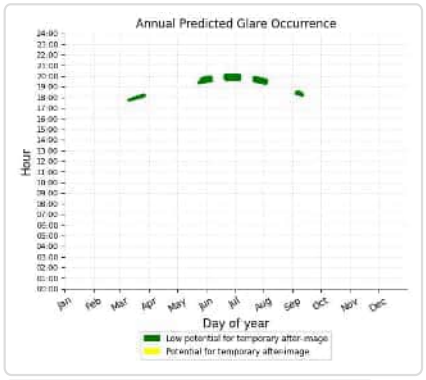


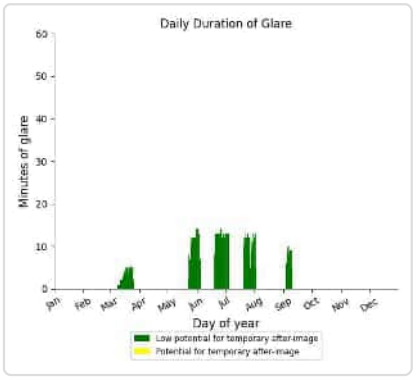


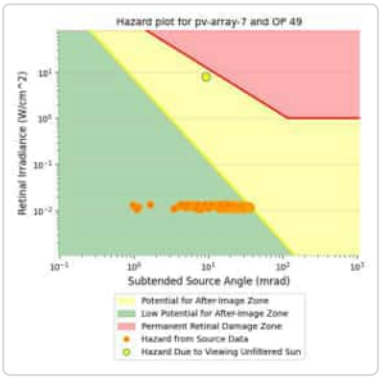
PV array 7: OP 49

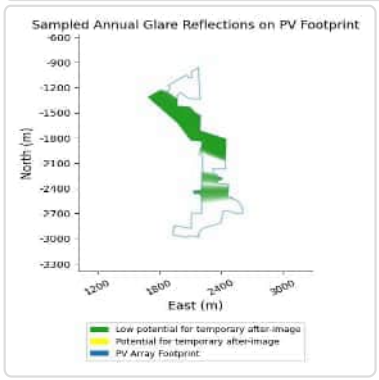
PV array is expected to produce the following glare for this receptor:

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





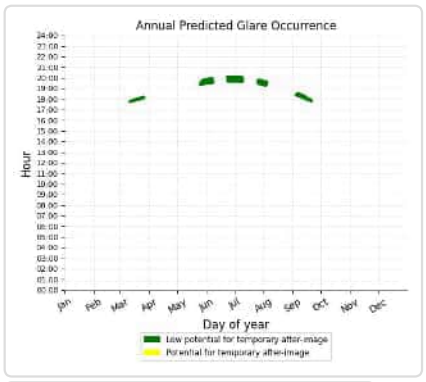


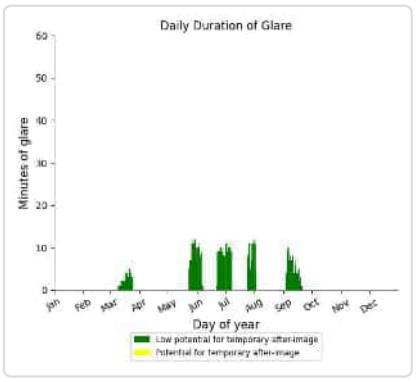


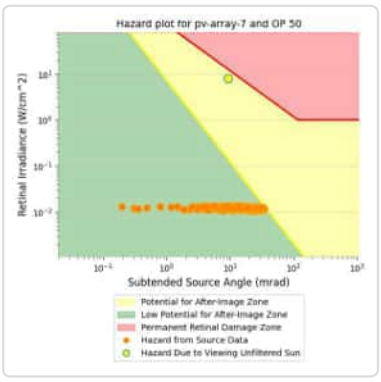
PV array 7: OP 50

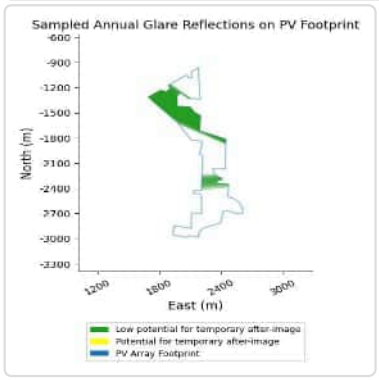
PV array is expected to produce the following glare for this receptor:

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





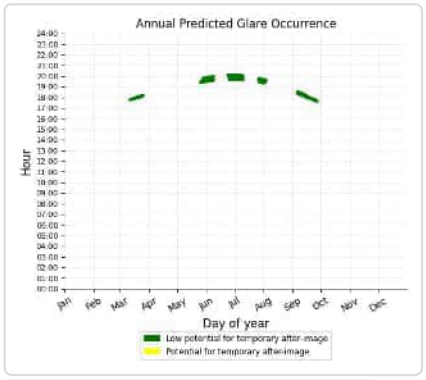


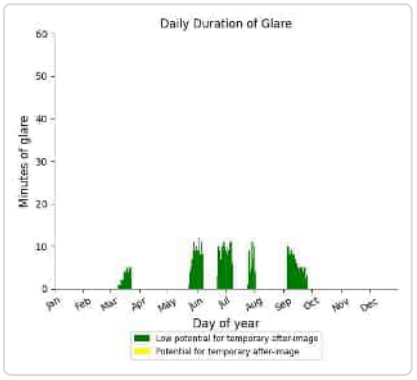


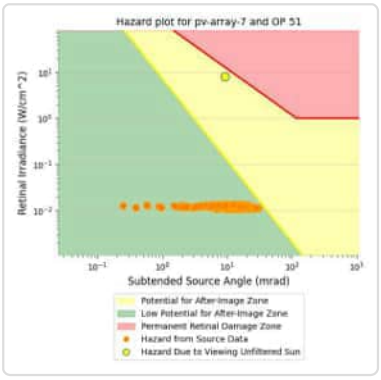
PV array 7: OP 51

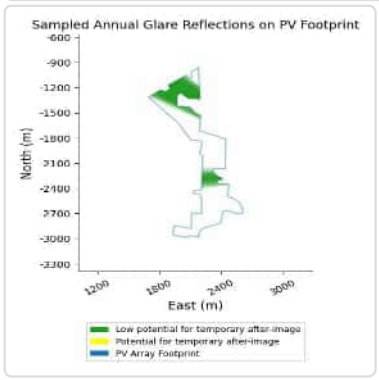
PV array is expected to produce the following glare for this receptor:

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





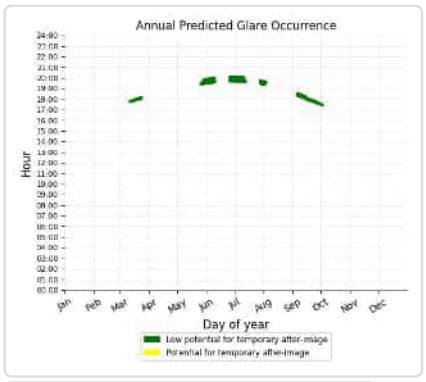


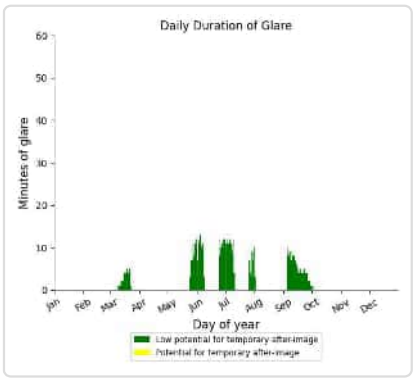


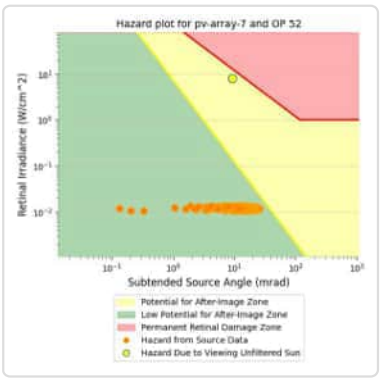
PV array 7: OP 52

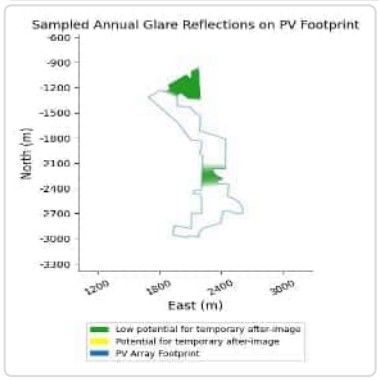
PV array is expected to produce the following glare for this receptor:

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





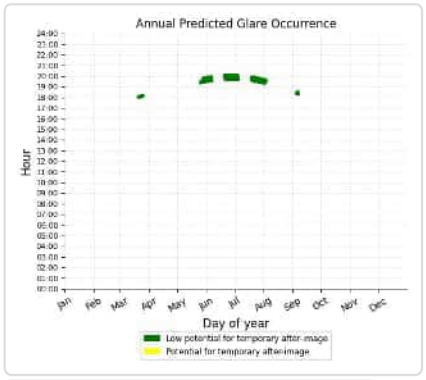


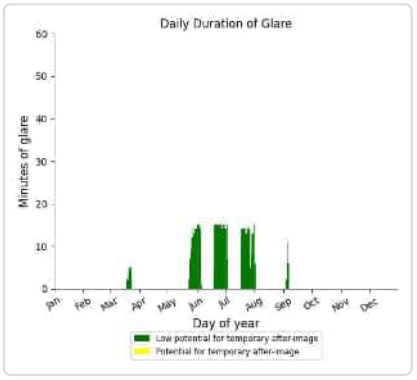


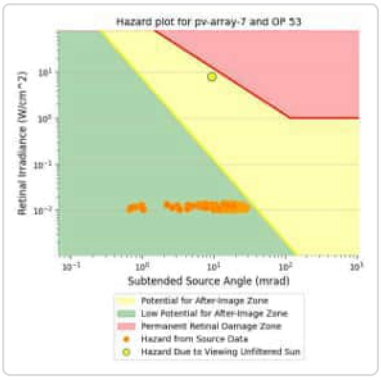
PV array 7: OP 53

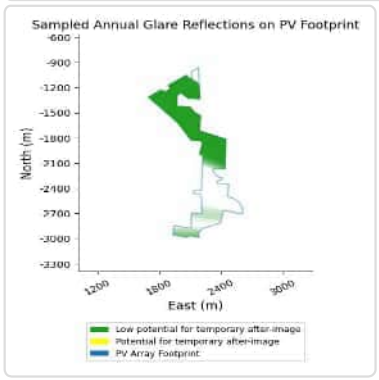
PV array is expected to produce the following glare for this receptor:

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





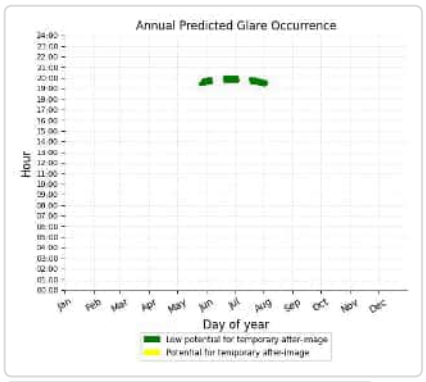


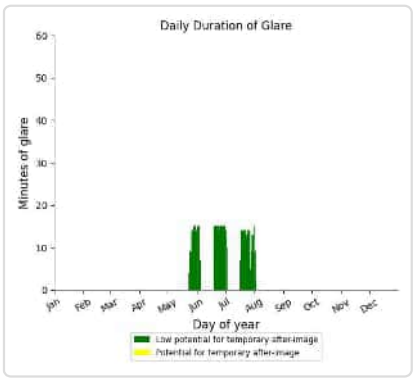


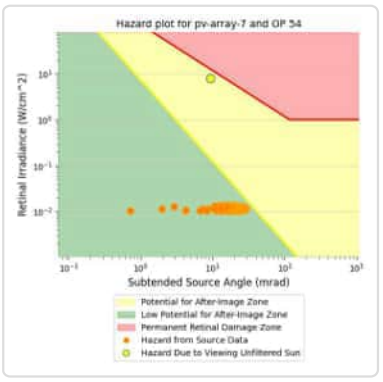
PV array 7: OP 54

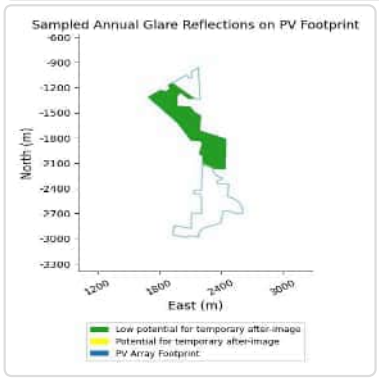
PV array is expected to produce the following glare for this receptor:

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





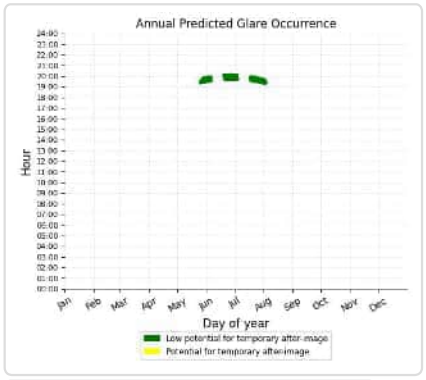


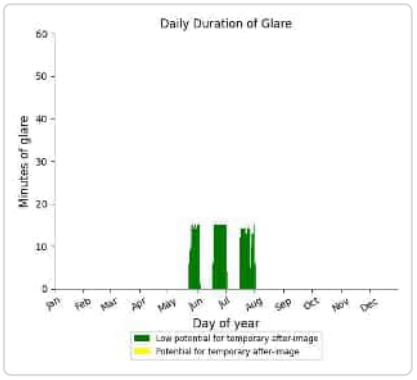


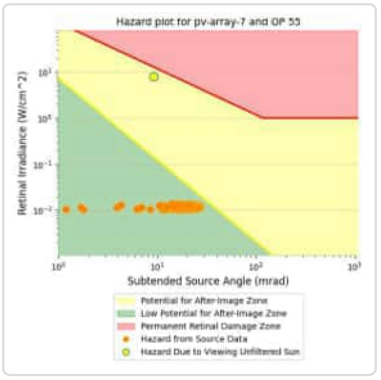
PV array 7: OP 55

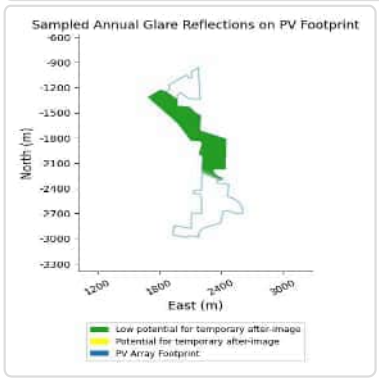
PV array is expected to produce the following glare for this receptor:

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





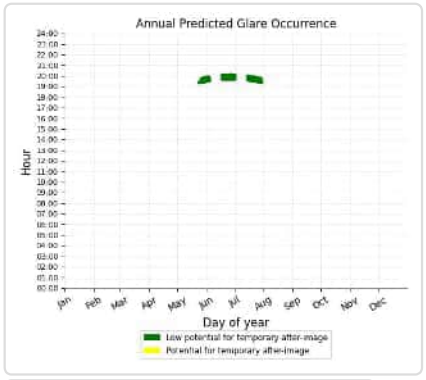


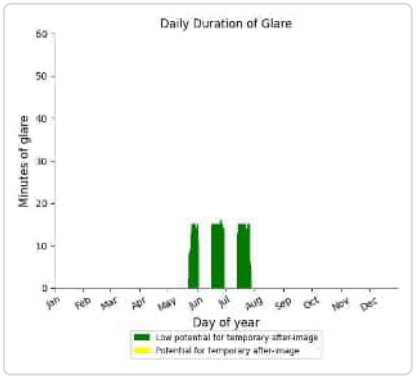


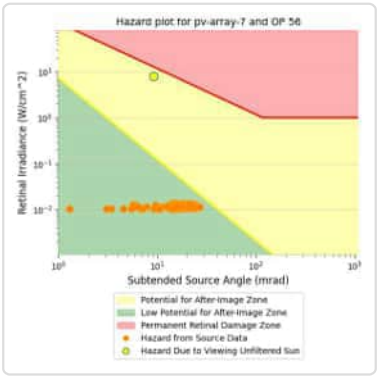
PV array 7: OP 56

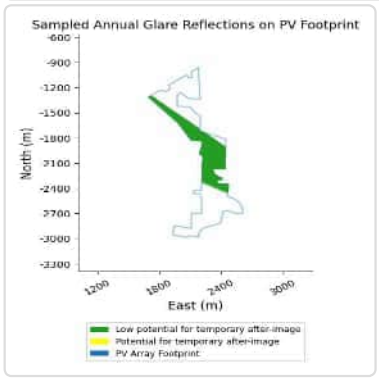
PV array is expected to produce the following glare for this receptor:

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





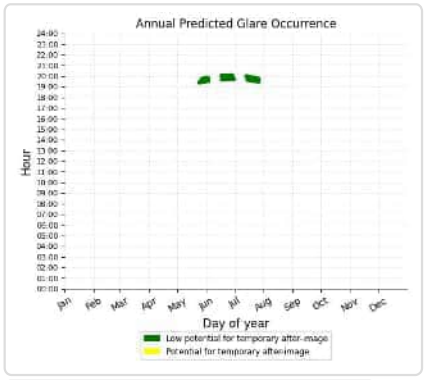


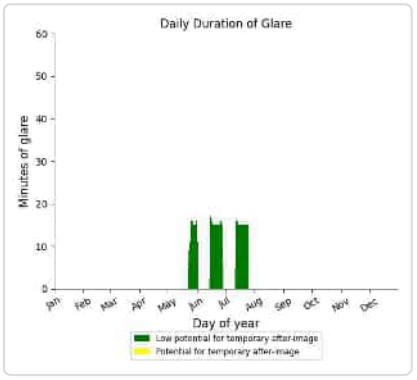


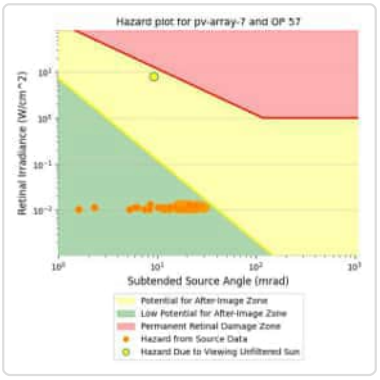
PV array 7: OP 57

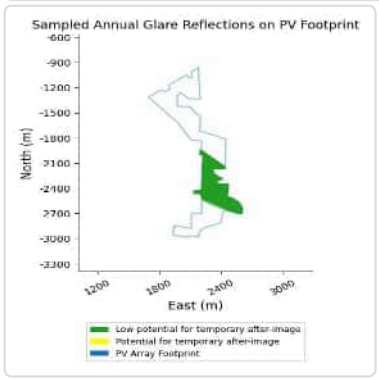
PV array is expected to produce the following glare for this receptor:

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





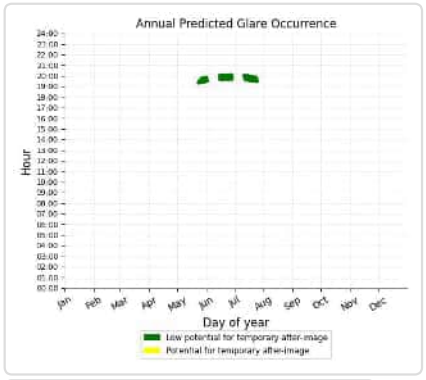


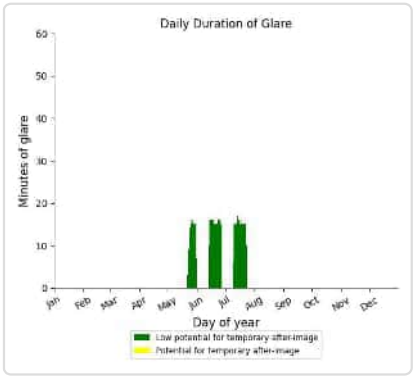


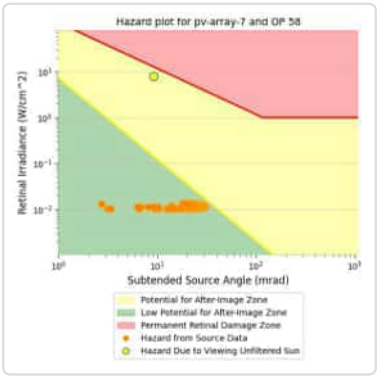
PV array 7: OP 58

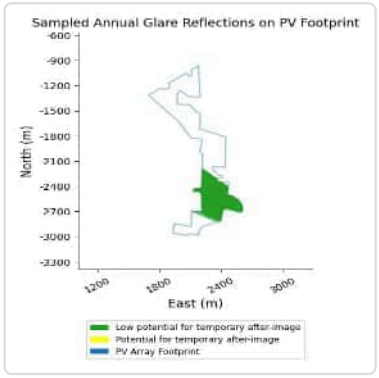
PV array is expected to produce the following glare for this receptor:

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





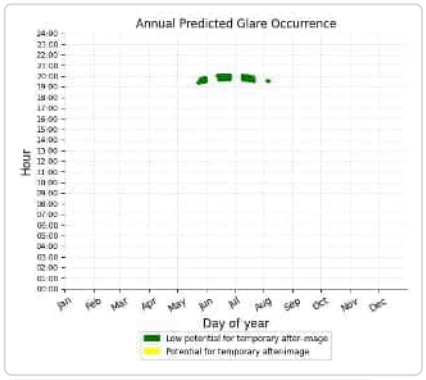


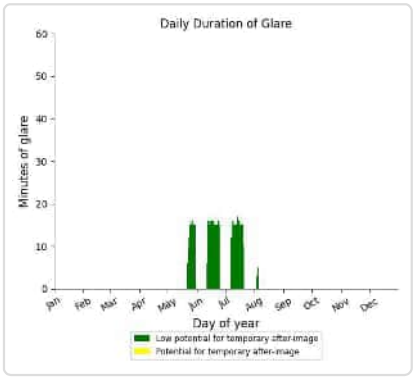


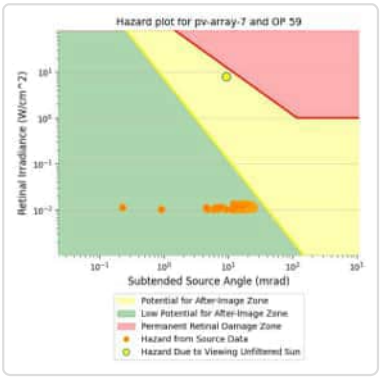
PV array 7: OP 59

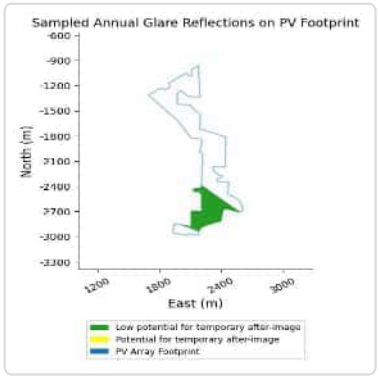
PV array is expected to produce the following glare for this receptor:

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





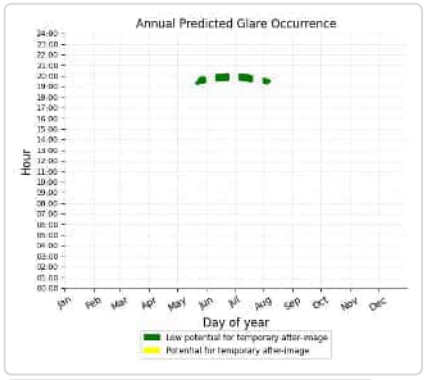


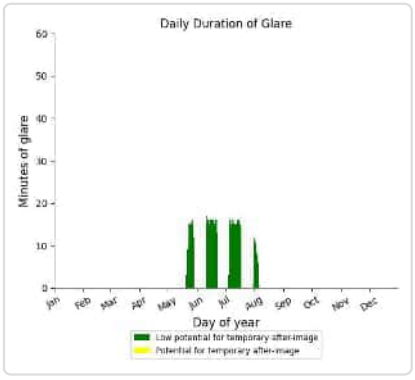


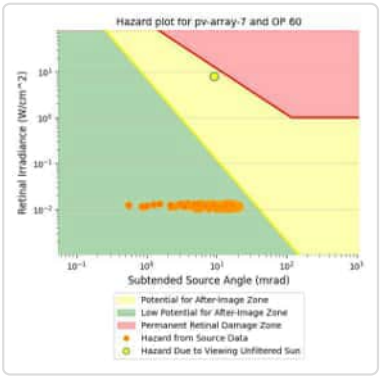
PV array 7: OP 60

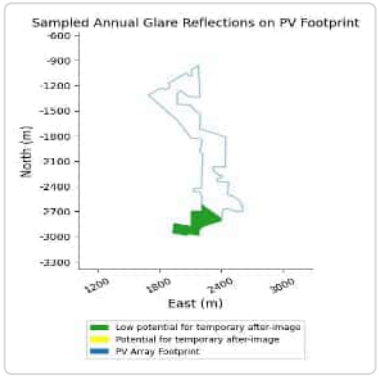
PV array is expected to produce the following glare for this receptor:

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





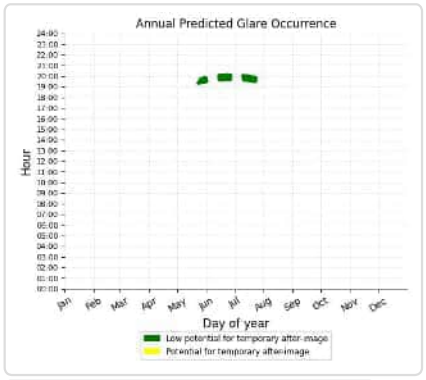


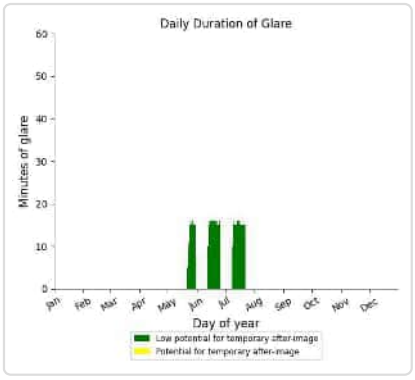


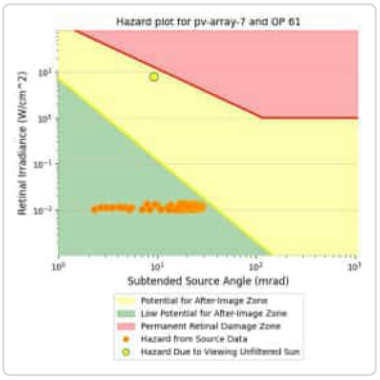
PV array 7: OP 61

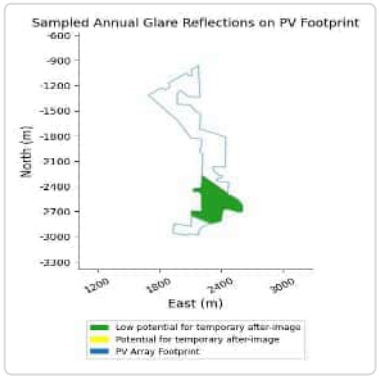
PV array is expected to produce the following glare for this receptor:

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





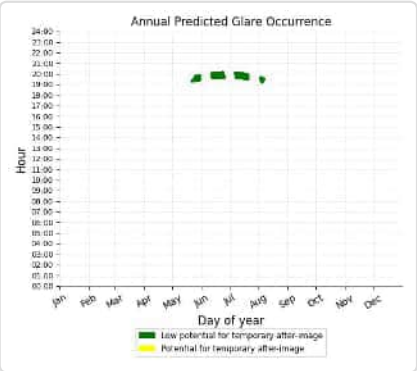


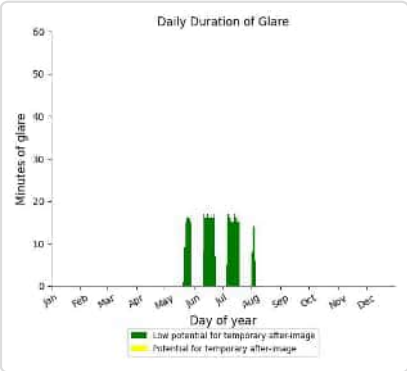


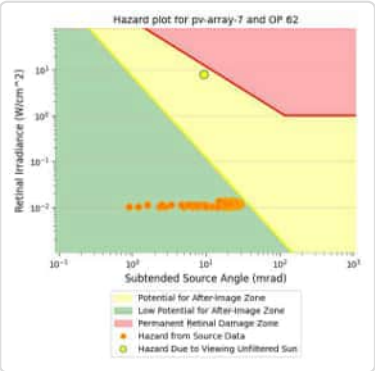
PV array 7: OP 62

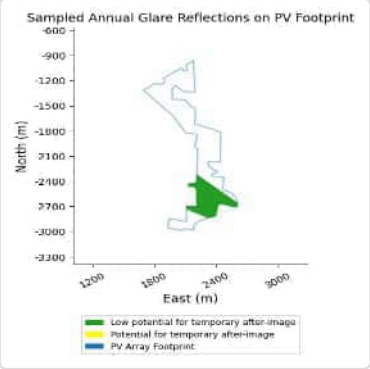
PV array is expected to produce the following glare for this receptor:

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









PV array 7: OP 63

No glare found

PV array 7: OP 64

No glare found

PV array 7: OP 65

No glare found

PV array 7: OP 66

No glare found

PV array 7: OP 67

No glare found

PV array 7: OP 68

No glare found

PV array 7: OP 69

No glare found

PV array 7: OP 70

No glare found

PV array 7: OP 71

No glare found

PV array 7: OP 72

No glare found

PV array 7: OP 73

No glare found

PV array 7: OP 74

No glare found

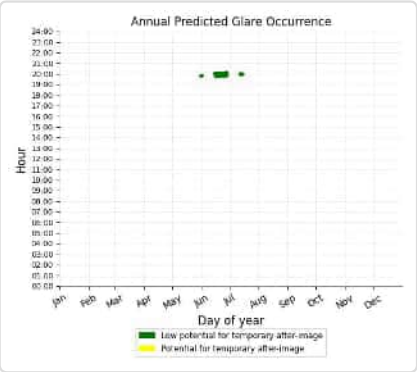
PV array 7: OP 75

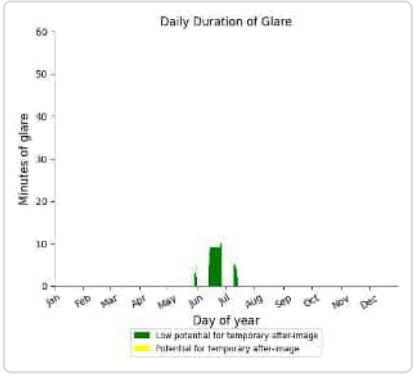
No glare found

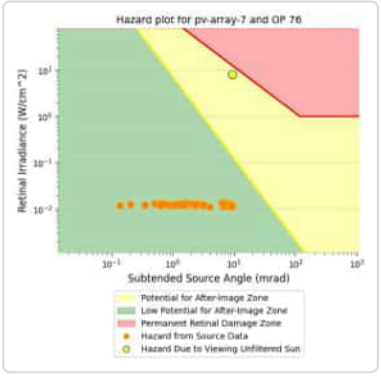
PV array 7: OP 76

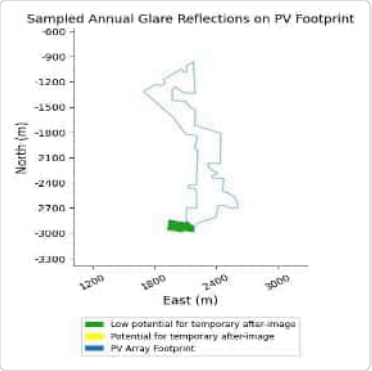
PV array is expected to produce the following glare for this receptor:

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





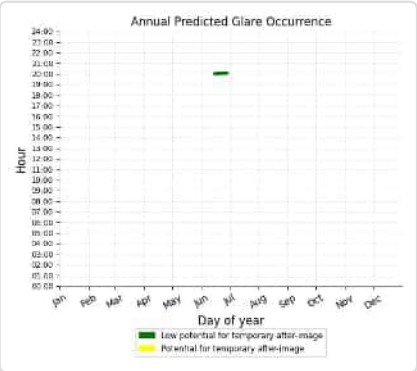


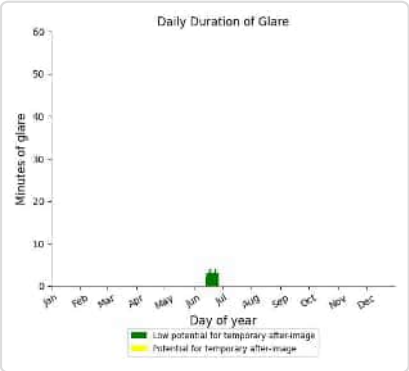


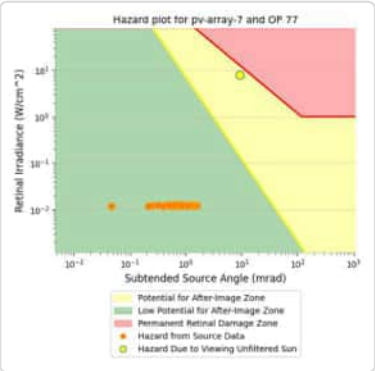
PV array 7: OP 77

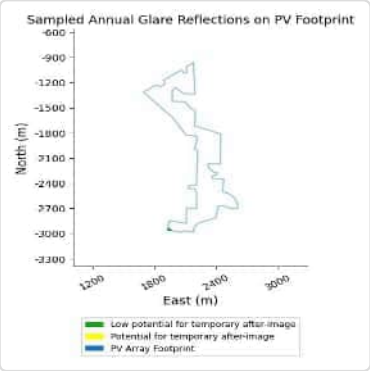
PV array is expected to produce the following glare for this receptor:

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









PV array 7: OP 78

No glare found

PV array 7: OP 79

No glare found

PV array 8 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0

OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	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	117	0
OP: OP 47	115	0
OP: OP 48	60	0
OP: OP 49	60	0
OP: OP 50	117	0
OP: OP 51	122	0
OP: OP 52	91	0
OP: OP 53	91	0
OP: OP 54	19	0
OP: OP 55	0	0
OP: OP 56	0	0
OP: OP 57	293	0
OP: OP 58	271	0
OP: OP 59	17	0
OP: OP 60	0	0
OP: OP 61	192	0
OP: OP 62	107	0
OP: OP 63	0	0
OP: OP 64	0	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0

OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	0	0
OP: OP 76	0	0
OP: OP 77	0	0
OP: OP 78	0	0
OP: OP 79	0	0

PV array 8: OP 1

No glare found

PV array 8: OP 2

No glare found

PV array 8: OP 3

No glare found

PV array 8: OP 4

No glare found

PV array 8: OP 5

No glare found

PV array 8: OP 6

No glare found

PV array 8: OP 7

No glare found

PV array 8: OP 8

No glare found

PV array 8: OP 9

No glare found

PV array 8: OP 10

No glare found

PV array 8: OP 11

No glare found

PV array 8: OP 12

No glare found

PV array 8: OP 13

No glare found

PV array 8: OP 14
No glare found

PV array 8: OP 15
No glare found

PV array 8: OP 16
No glare found

PV array 8: OP 17
No glare found

PV array 8: OP 18
No glare found

PV array 8: OP 19
No glare found

PV array 8: OP 20
No glare found

PV array 8: OP 21
No glare found

PV array 8: OP 22
No glare found

PV array 8: OP 23
No glare found

PV array 8: OP 24
No glare found

PV array 8: OP 25
No glare found

PV array 8: OP 26
No glare found

PV array 8: OP 27
No glare found

PV array 8: OP 28
No glare found

PV array 8: OP 29
No glare found

PV array 8: OP 30
No glare found

PV array 8: OP 31
No glare found

PV array 8: OP 32
No glare found

PV array 8: OP 33
No glare found

PV array 8: OP 34
No glare found

PV array 8: OP 35
No glare found

PV array 8: OP 36
No glare found

PV array 8: OP 37
No glare found

PV array 8: OP 38
No glare found

PV array 8: OP 39
No glare found

PV array 8: OP 40
No glare found

PV array 8: OP 41
No glare found

PV array 8: OP 42
No glare found

PV array 8: OP 43
No glare found

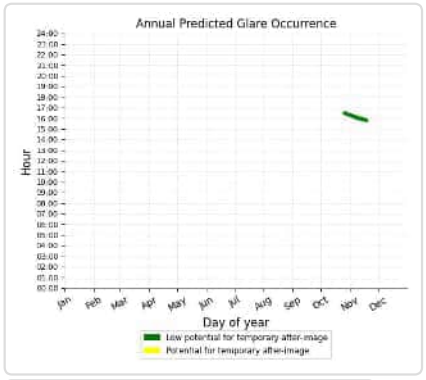
PV array 8: OP 44
No glare found

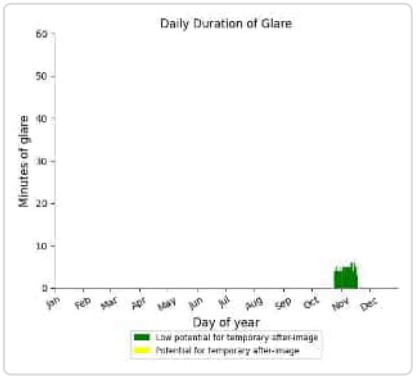
PV array 8: OP 45
No glare found

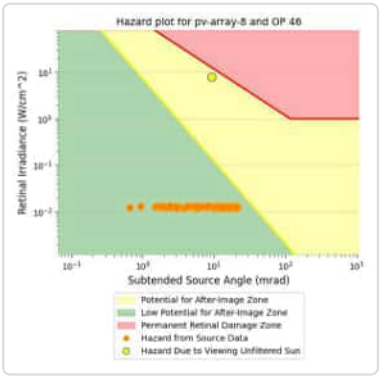
PV array 8: OP 46

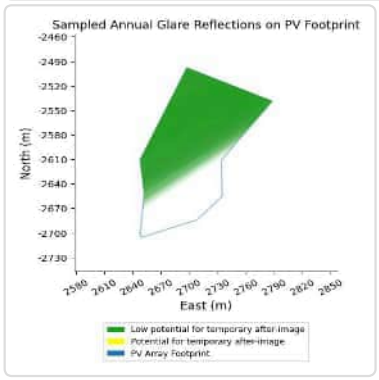
PV array is expected to produce the following glare for this receptor:

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





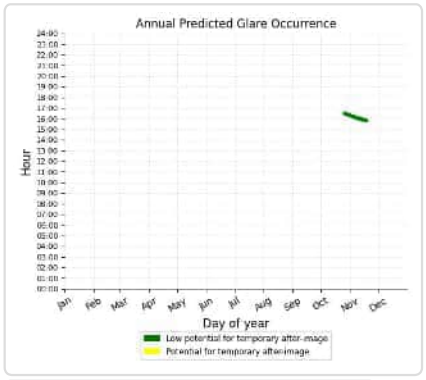


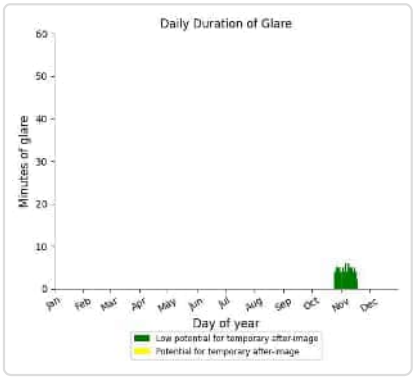


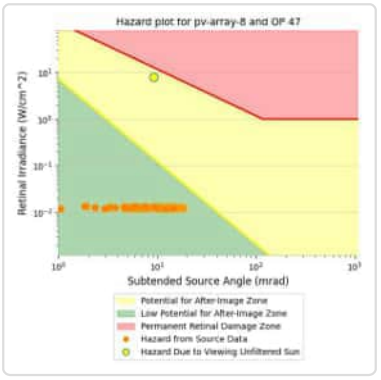
PV array 8: OP 47

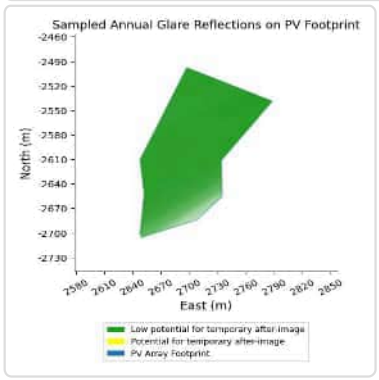
PV array is expected to produce the following glare for this receptor:

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





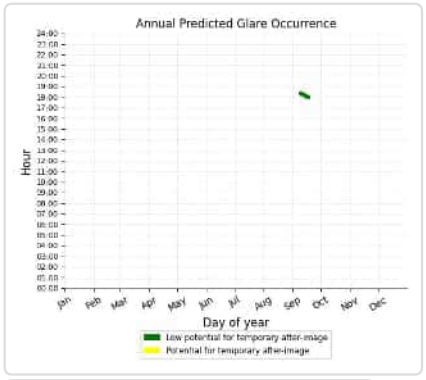


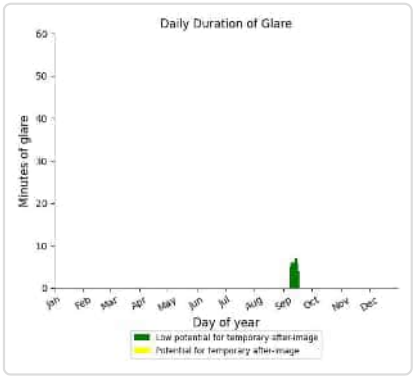


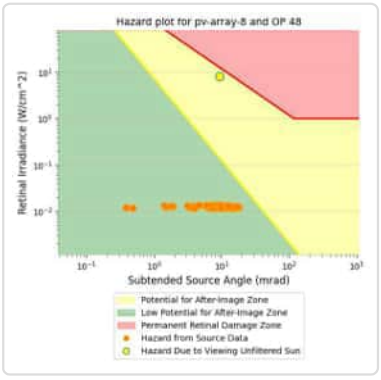
PV array 8: OP 48

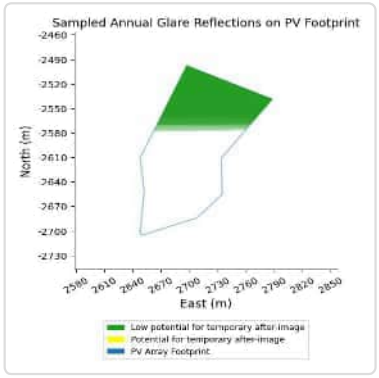
PV array is expected to produce the following glare for this receptor:

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





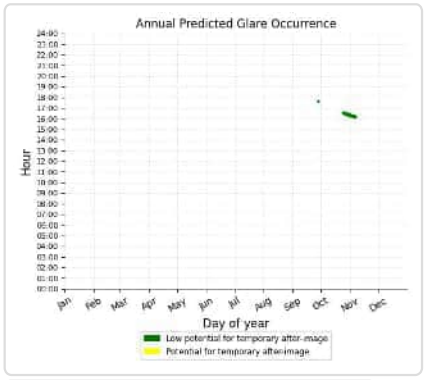


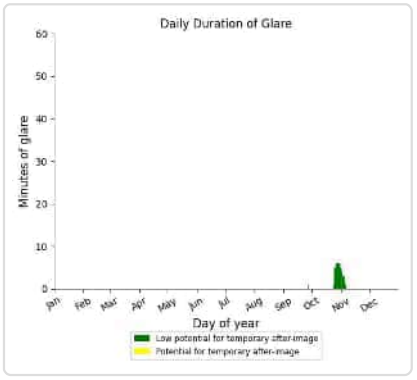


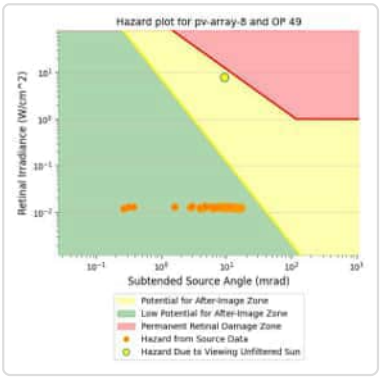
PV array 8: OP 49

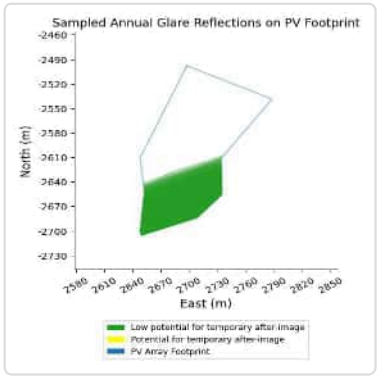
PV array is expected to produce the following glare for this receptor:

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





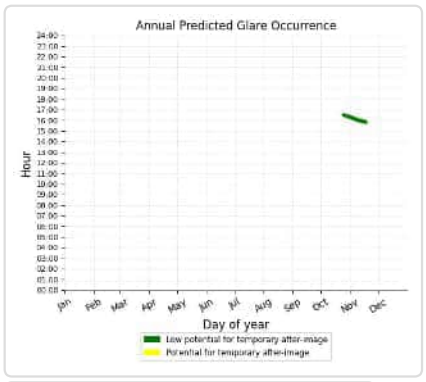


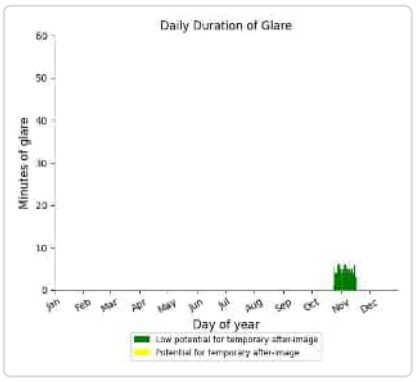


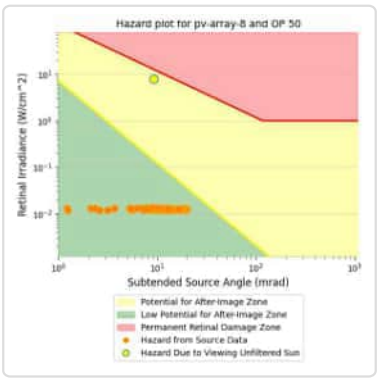
PV array 8: OP 50

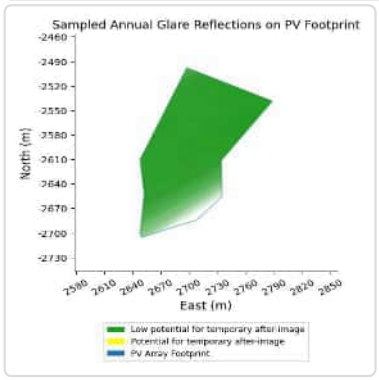
PV array is expected to produce the following glare for this receptor:

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





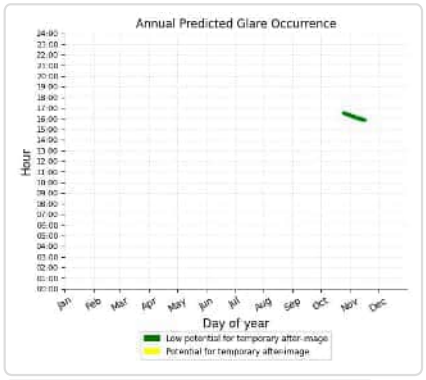


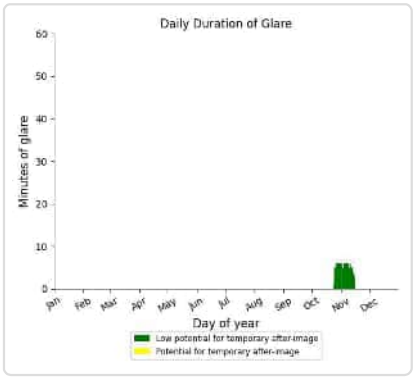


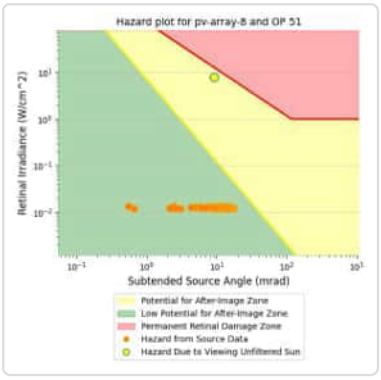
PV array 8: OP 51

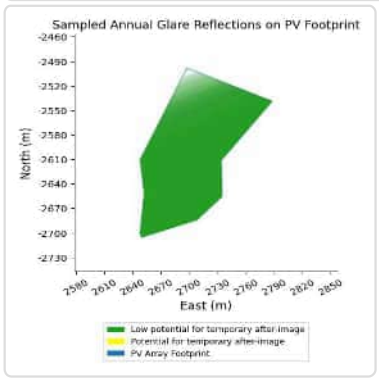
PV array is expected to produce the following glare for this receptor:

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





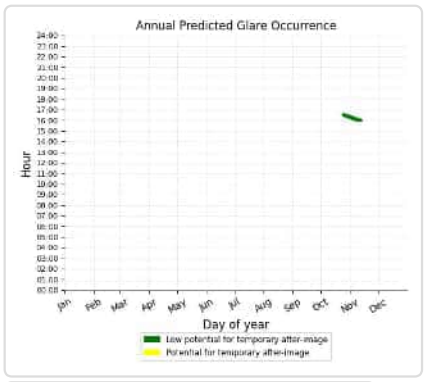


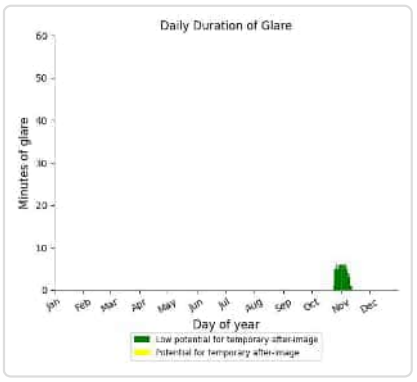


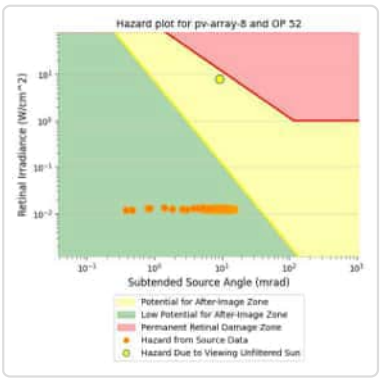
PV array 8: OP 52

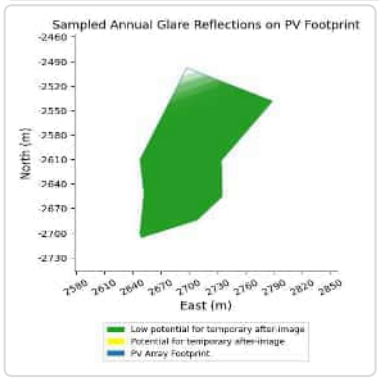
PV array is expected to produce the following glare for this receptor:

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





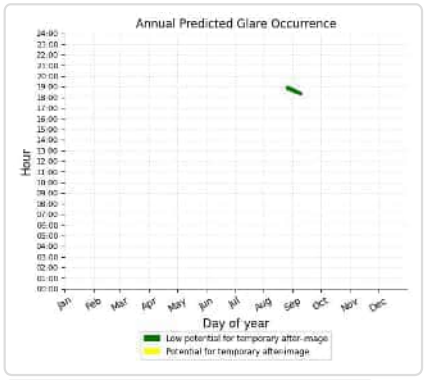


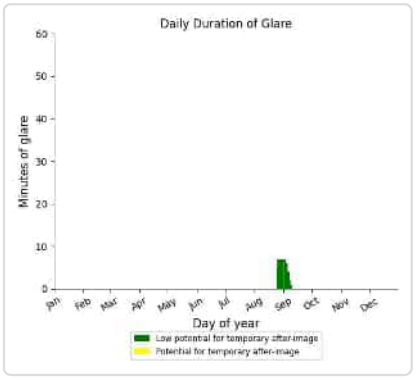


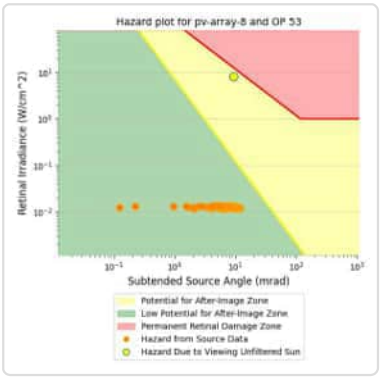
PV array 8: OP 53

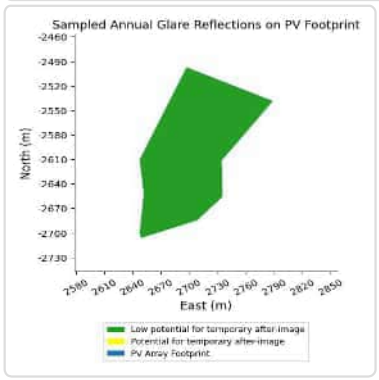
PV array is expected to produce the following glare for this receptor:

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





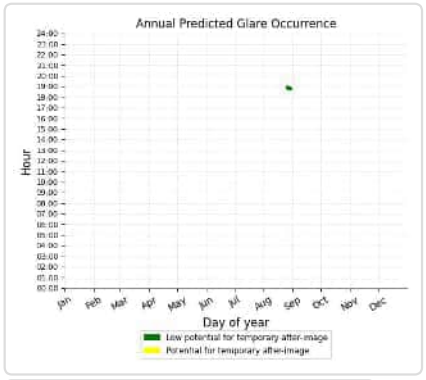


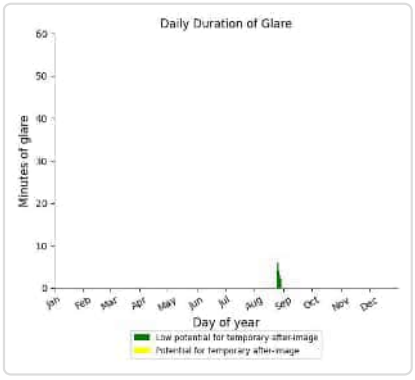


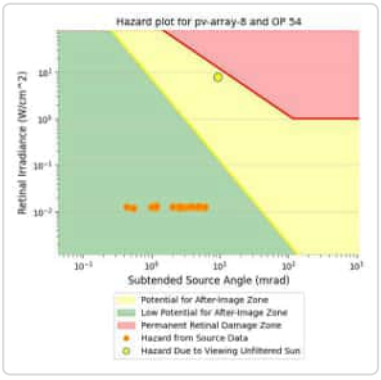
PV array 8: OP 54

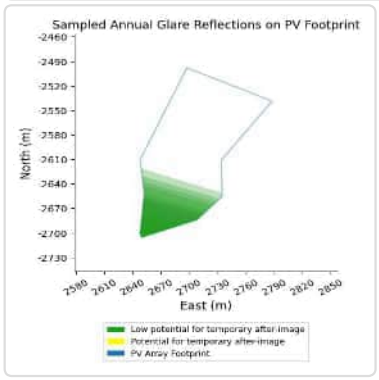
PV array is expected to produce the following glare for this receptor:

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









PV array 8: OP 55

No glare found

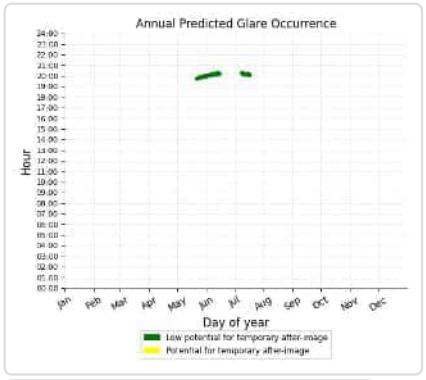
PV array 8: OP 56

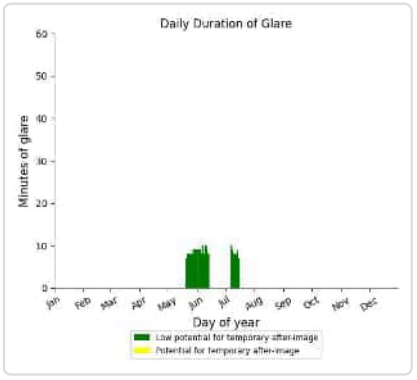
No glare found

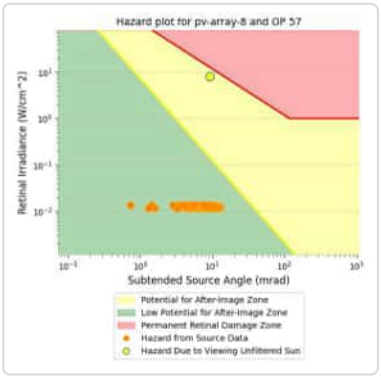
PV array 8: OP 57

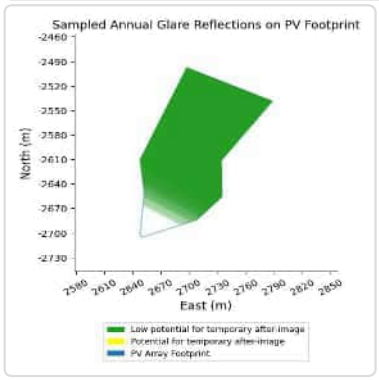
PV array is expected to produce the following glare for this receptor:

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





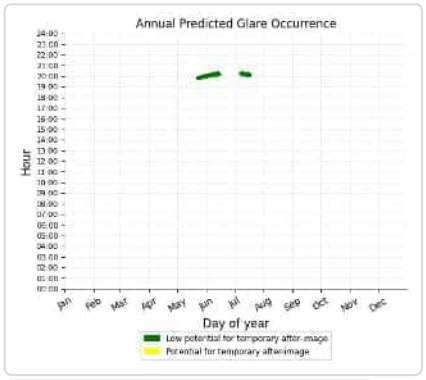


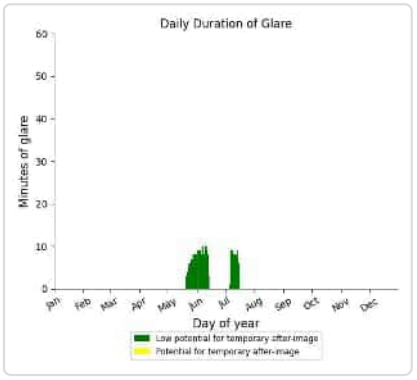


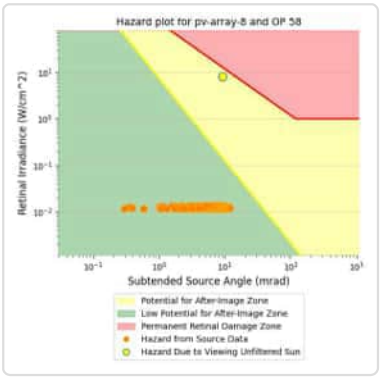
PV array 8: OP 58

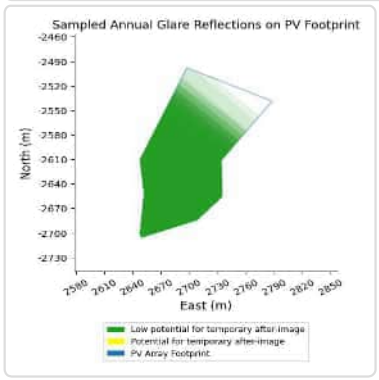
PV array is expected to produce the following glare for this receptor:

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





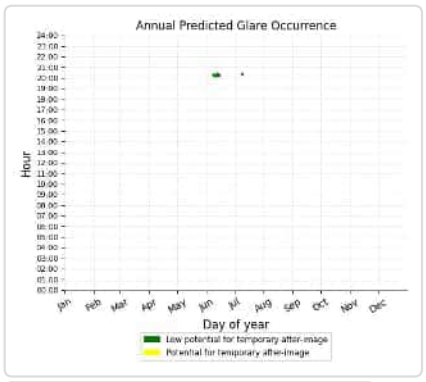


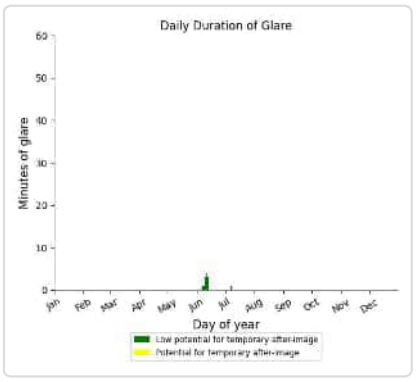


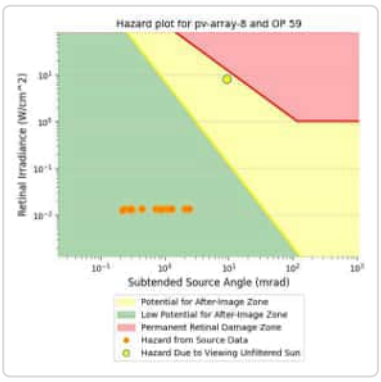
PV array 8: OP 59

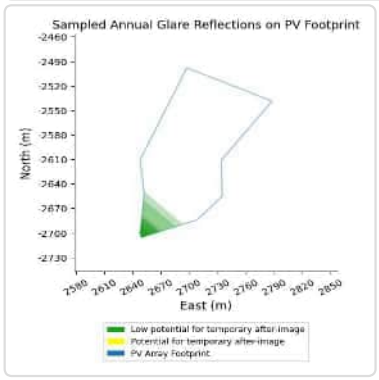
PV array is expected to produce the following glare for this receptor:

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









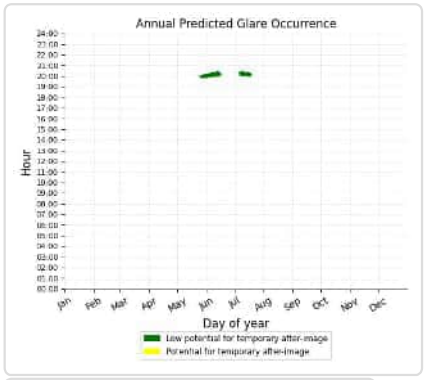
PV array 8: OP 60

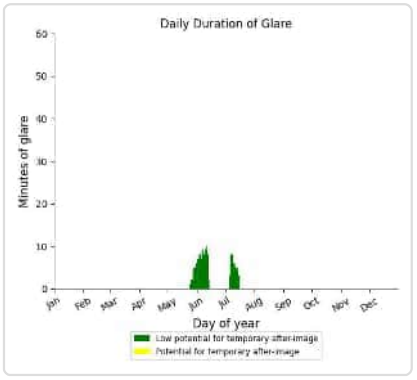
No glare found

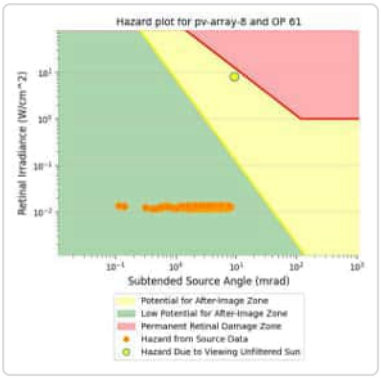
PV array 8: OP 61

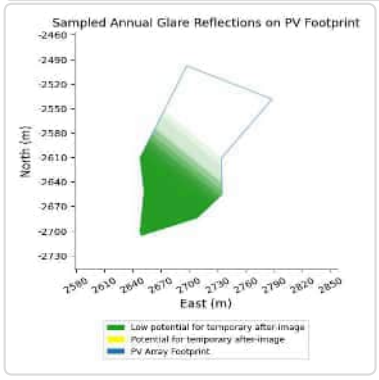
PV array is expected to produce the following glare for this receptor:

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





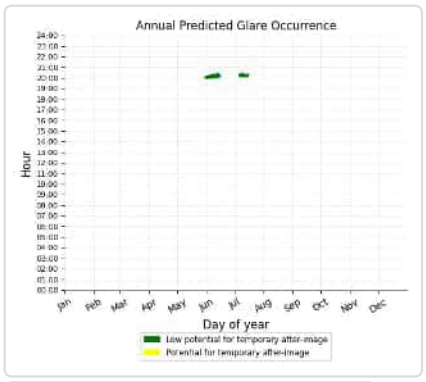


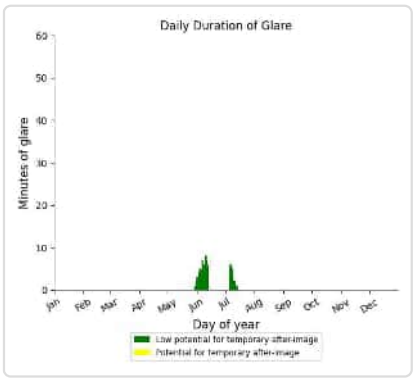


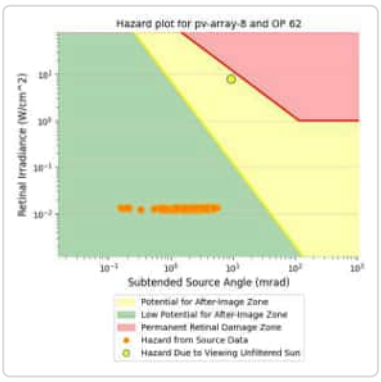
PV array 8: OP 62

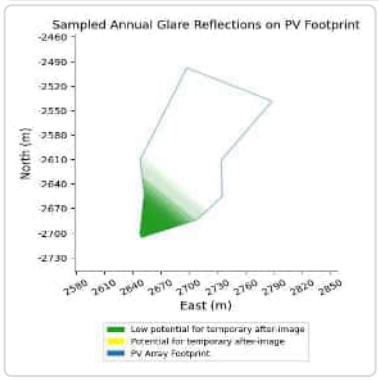
PV array is expected to produce the following glare for this receptor:

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









PV array 8: OP 63

No glare found

PV array 8: OP 64

No glare found

PV array 8: OP 65

No glare found

PV array 8: OP 66

No glare found

PV array 8: OP 67

No glare found

PV array 8: OP 68

No glare found

PV array 8: OP 69

No glare found

PV array 8: OP 70

No glare found

PV array 8: OP 71

No glare found

PV array 8: OP 72
No glare found

PV array 8: OP 73
No glare found

PV array 8: OP 74
No glare found

PV array 8: OP 75
No glare found

PV array 8: OP 76
No glare found

PV array 8: OP 77
No glare found

PV array 8: OP 78
No glare found

PV array 8: OP 79
No glare found

PV array 9 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0

OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	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	32	0
OP: OP 46	22	0
OP: OP 47	0	0
OP: OP 48	21	0
OP: OP 49	43	0
OP: OP 50	34	0
OP: OP 51	37	0
OP: OP 52	46	0
OP: OP 53	87	0
OP: OP 54	83	0
OP: OP 55	84	0
OP: OP 56	86	0
OP: OP 57	54	0
OP: OP 58	0	0
OP: OP 59	0	0
OP: OP 60	0	0
OP: OP 61	0	0
OP: OP 62	41	0
OP: OP 63	372	0
OP: OP 64	163	0
OP: OP 65	0	0
OP: OP 66	0	0
OP: OP 67	0	0
OP: OP 68	0	0
OP: OP 69	0	0
OP: OP 70	0	0
OP: OP 71	0	0
OP: OP 72	0	0
OP: OP 73	0	0
OP: OP 74	0	0
OP: OP 75	103	0
OP: OP 76	304	0
OP: OP 77	331	0

OP: OP 78	0	0
OP: OP 79	0	0

PV array 9: OP 1
No glare found

PV array 9: OP 2
No glare found

PV array 9: OP 3
No glare found

PV array 9: OP 4
No glare found

PV array 9: OP 5
No glare found

PV array 9: OP 6
No glare found

PV array 9: OP 7
No glare found

PV array 9: OP 8
No glare found

PV array 9: OP 9
No glare found

PV array 9: OP 10
No glare found

PV array 9: OP 11
No glare found

PV array 9: OP 12
No glare found

PV array 9: OP 13
No glare found

PV array 9: OP 14
No glare found

PV array 9: OP 15
No glare found

PV array 9: OP 16
No glare found

PV array 9: OP 17
No glare found

PV array 9: OP 18
No glare found

PV array 9: OP 19
No glare found

PV array 9: OP 20
No glare found

PV array 9: OP 21
No glare found

PV array 9: OP 22
No glare found

PV array 9: OP 23
No glare found

PV array 9: OP 24
No glare found

PV array 9: OP 25
No glare found

PV array 9: OP 26
No glare found

PV array 9: OP 27
No glare found

PV array 9: OP 28
No glare found

PV array 9: OP 29
No glare found

PV array 9: OP 30
No glare found

PV array 9: OP 31
No glare found

PV array 9: OP 32
No glare found

PV array 9: OP 33
No glare found

PV array 9: OP 34
No glare found

PV array 9: OP 35
No glare found

PV array 9: OP 36
No glare found

PV array 9: OP 37
No glare found

PV array 9: OP 38
No glare found

PV array 9: OP 39
No glare found

PV array 9: OP 40
No glare found

PV array 9: OP 41
No glare found

PV array 9: OP 42
No glare found

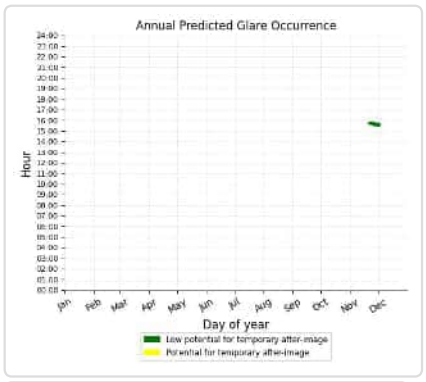
PV array 9: OP 43
No glare found

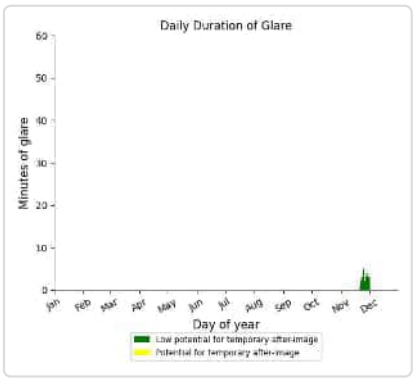
PV array 9: OP 44
No glare found

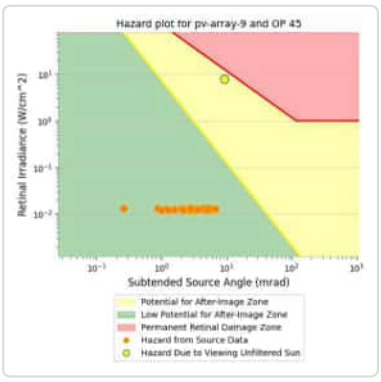
PV array 9: OP 45

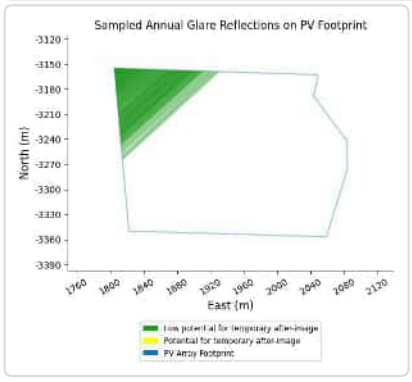
PV array is expected to produce the following glare for this receptor:

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





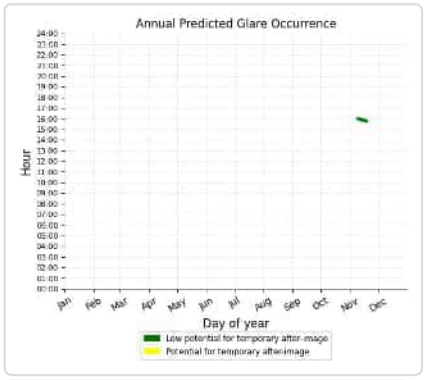


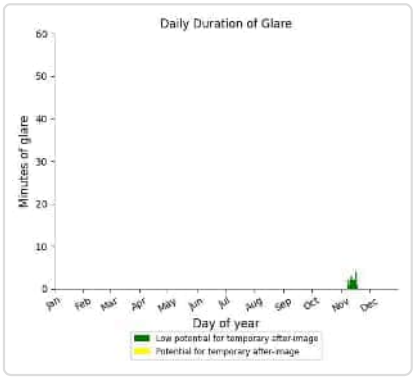


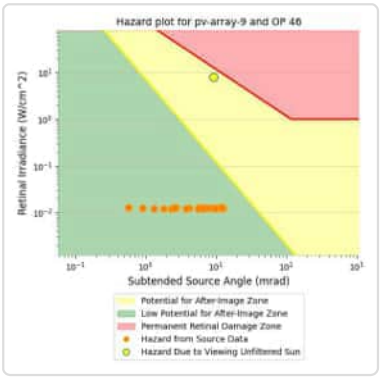
PV array 9: OP 46

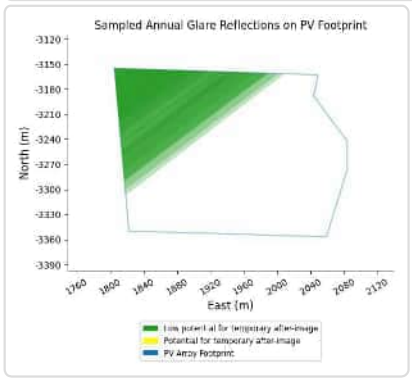
PV array is expected to produce the following glare for this receptor:

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









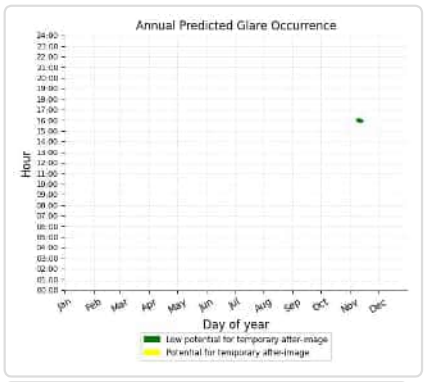
PV array 9: OP 47

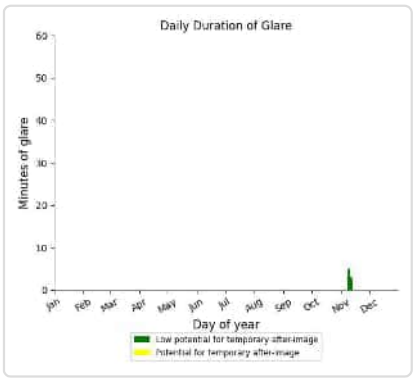
No glare found

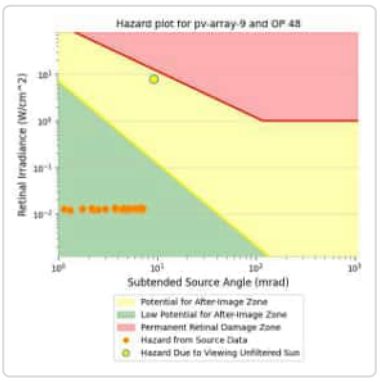
PV array 9: OP 48

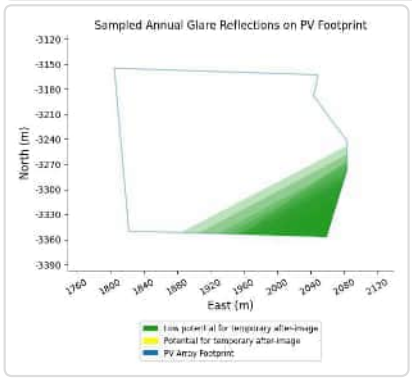
PV array is expected to produce the following glare for this receptor:

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





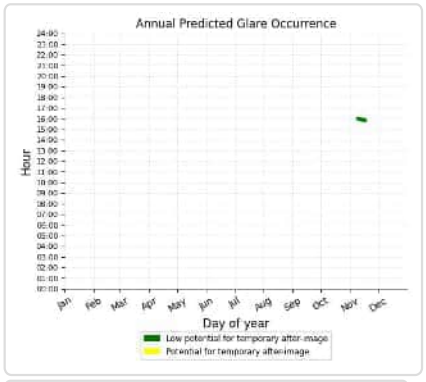


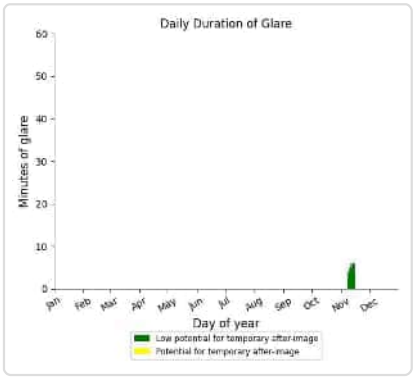


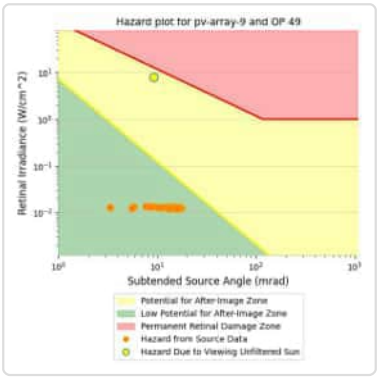
PV array 9: OP 49

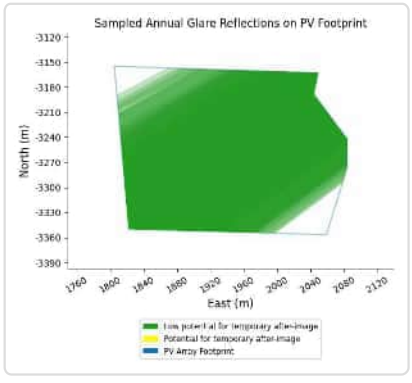
PV array is expected to produce the following glare for this receptor:

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





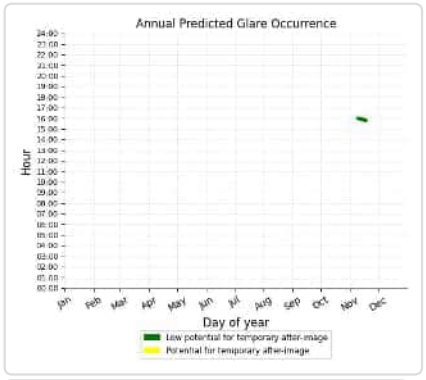


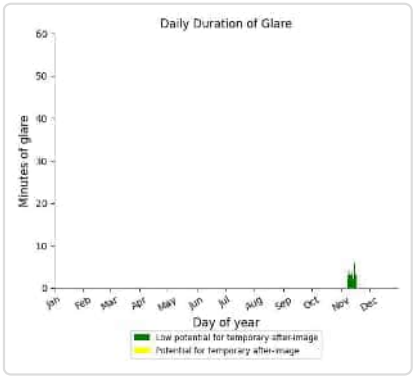


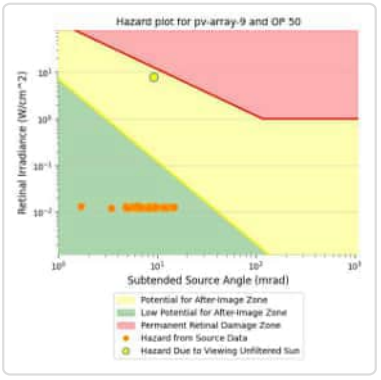
PV array 9: OP 50

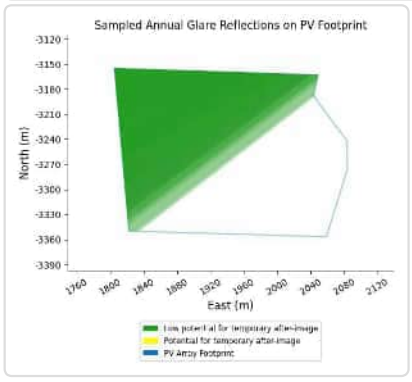
PV array is expected to produce the following glare for this receptor:

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





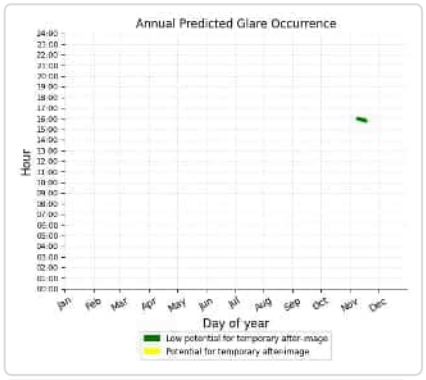


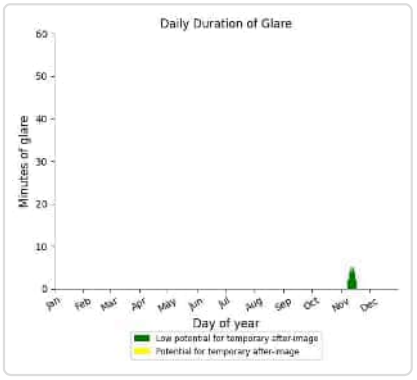


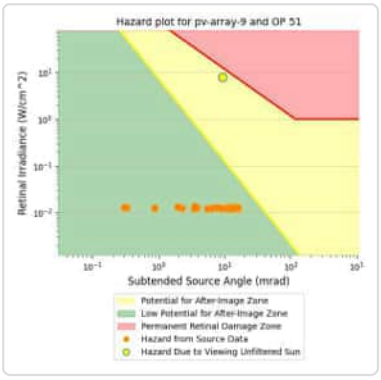
PV array 9: OP 51

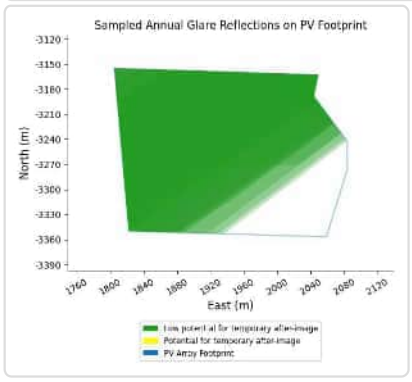
PV array is expected to produce the following glare for this receptor:

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





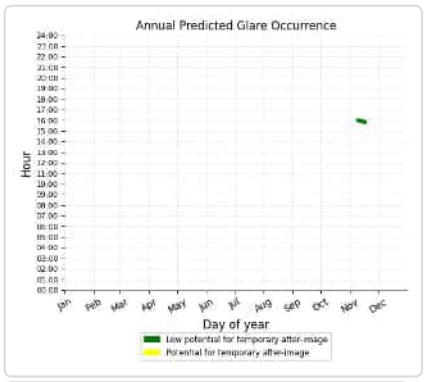


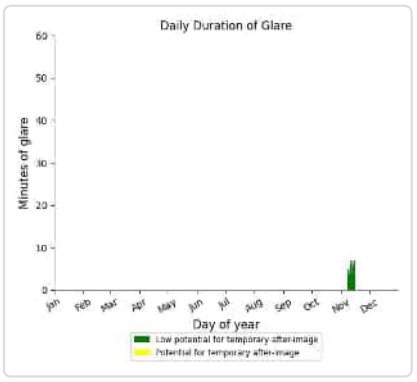


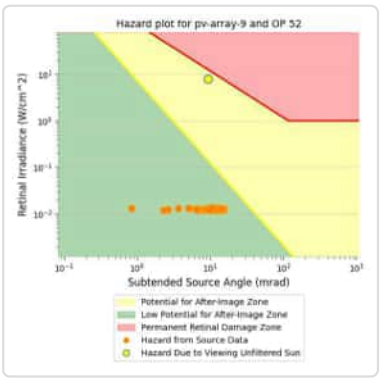
PV array 9: OP 52

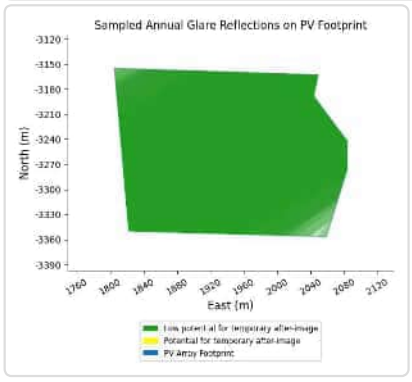
PV array is expected to produce the following glare for this receptor:

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





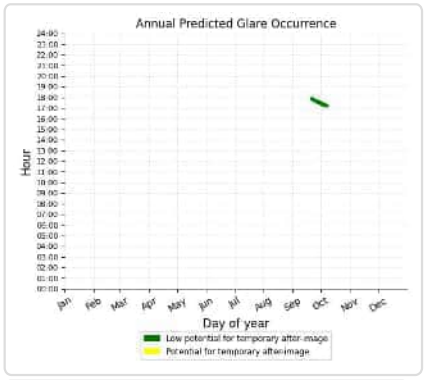


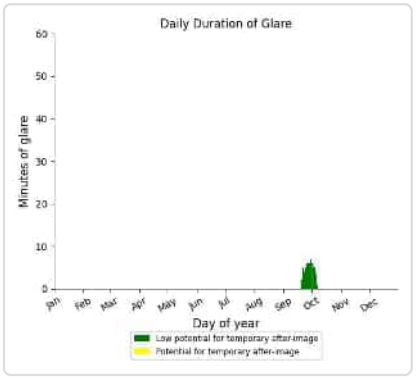


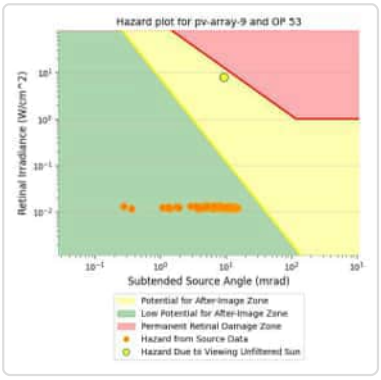
PV array 9: OP 53

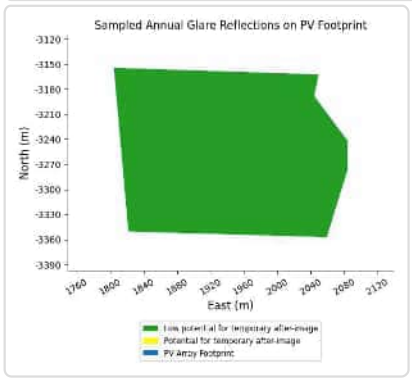
PV array is expected to produce the following glare for this receptor:

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





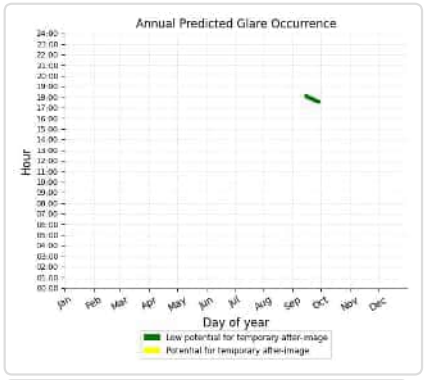


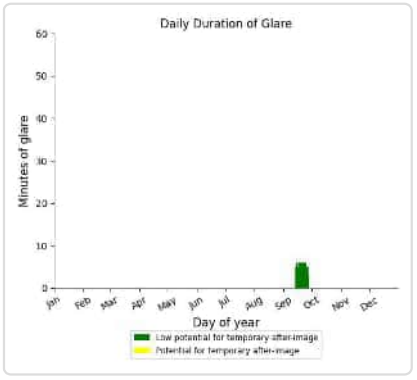


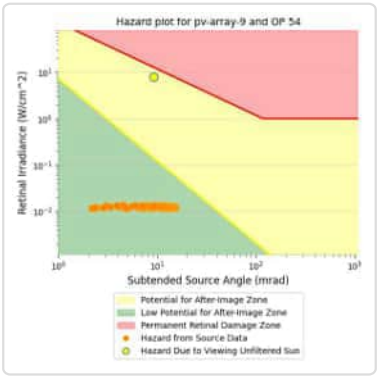
PV array 9: OP 54

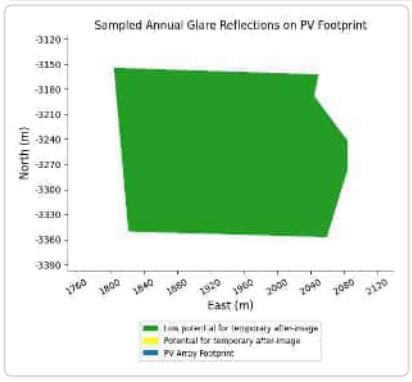
PV array is expected to produce the following glare for this receptor:

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





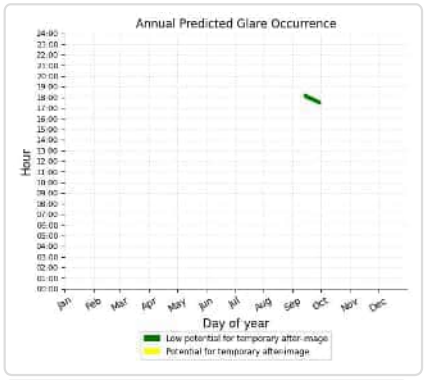


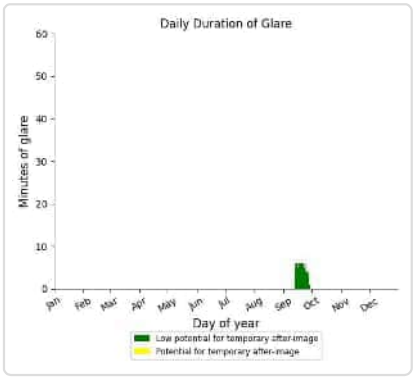


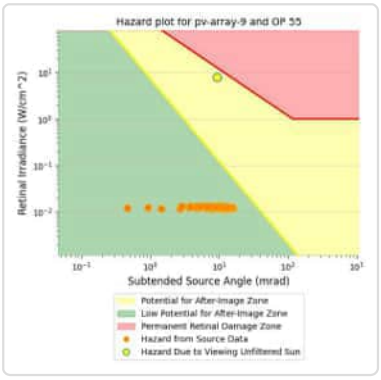
PV array 9: OP 55

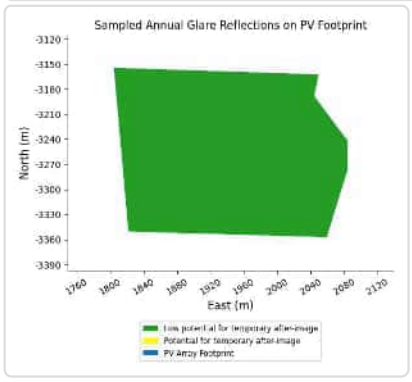
PV array is expected to produce the following glare for this receptor:

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





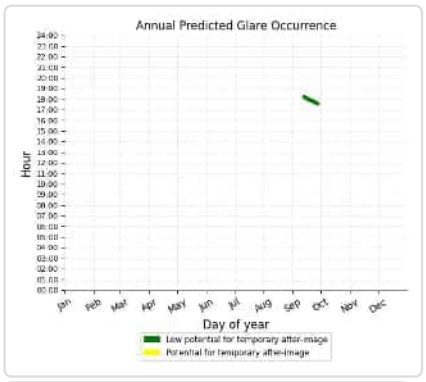


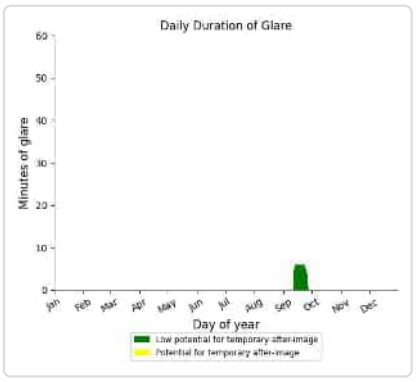


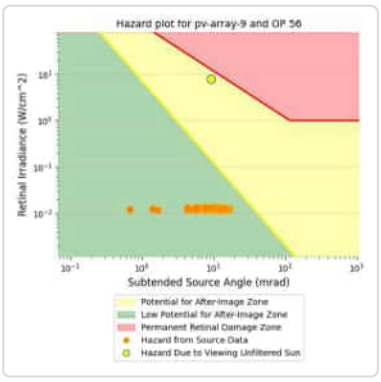
PV array 9: OP 56

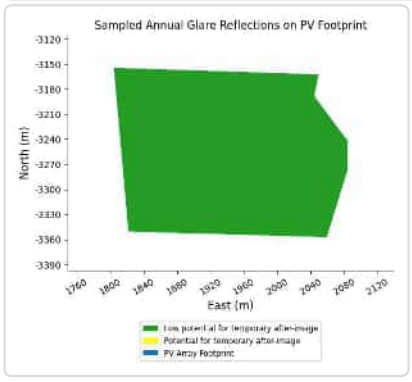
PV array is expected to produce the following glare for this receptor:

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





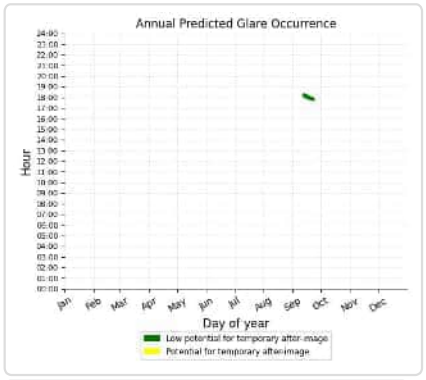


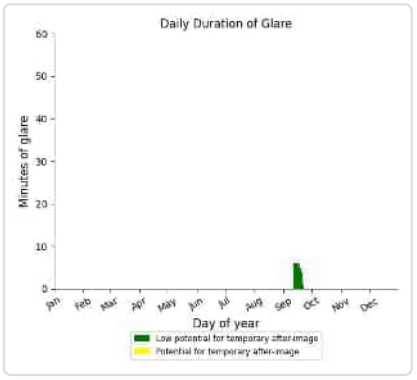


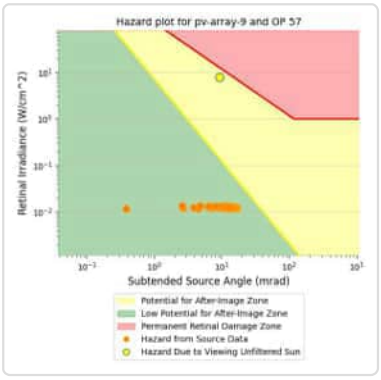
PV array 9: OP 57

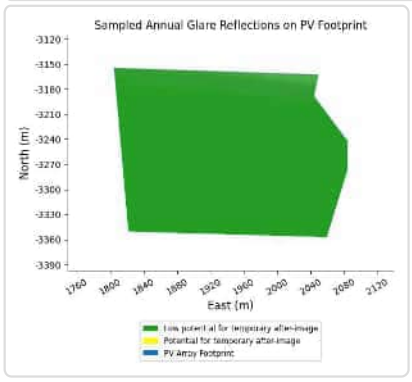
PV array is expected to produce the following glare for this receptor:

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









PV array 9: OP 58

No glare found

PV array 9: OP 59

No glare found

PV array 9: OP 60

No glare found

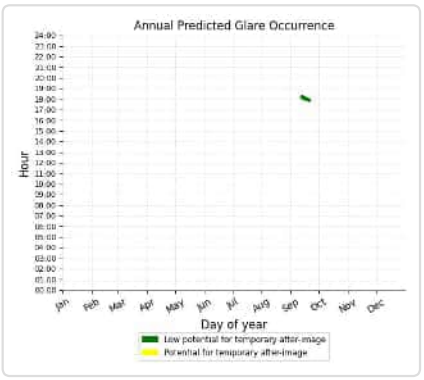
PV array 9: OP 61

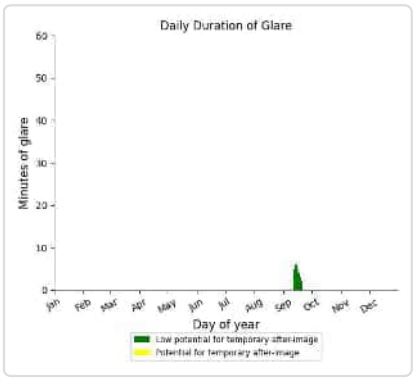
No glare found

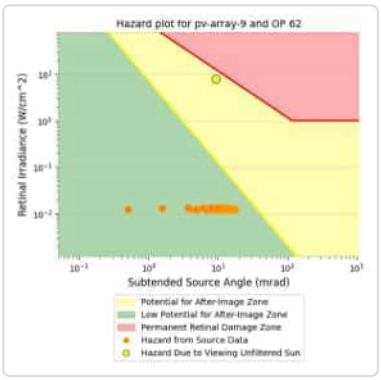
PV array 9: OP 62

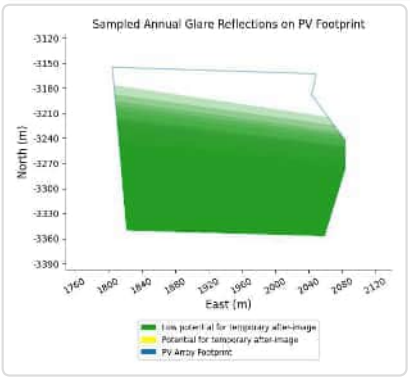
PV array is expected to produce the following glare for this receptor:

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





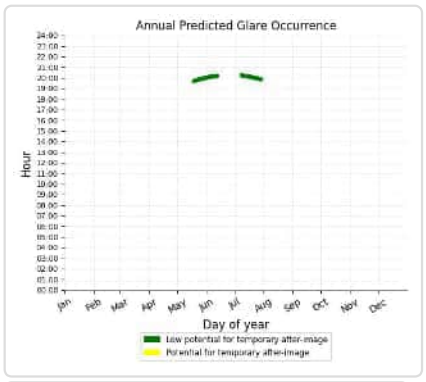


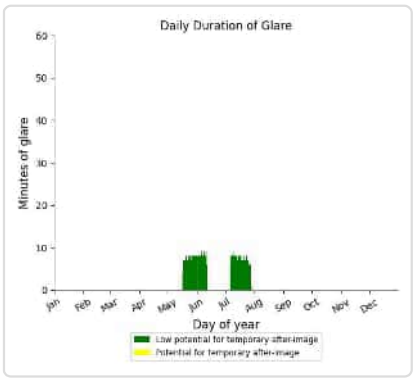


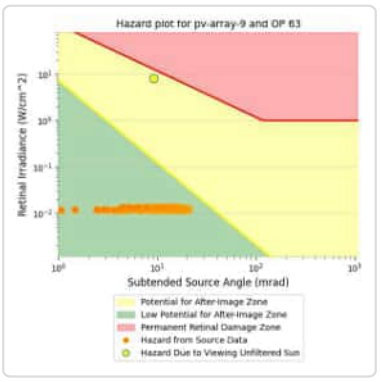
PV array 9: OP 63

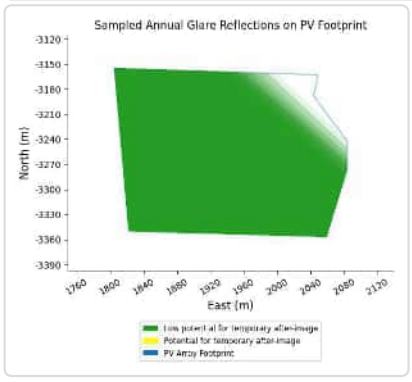
PV array is expected to produce the following glare for this receptor:

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





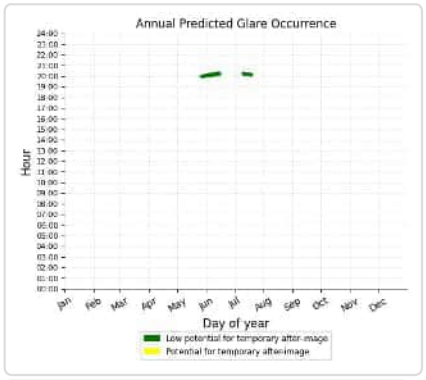


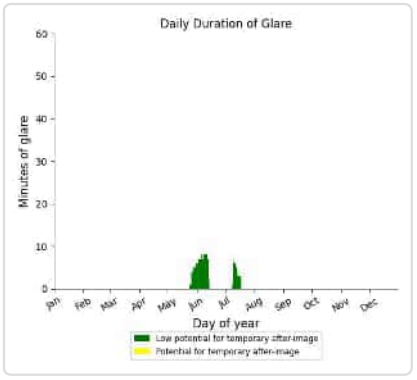


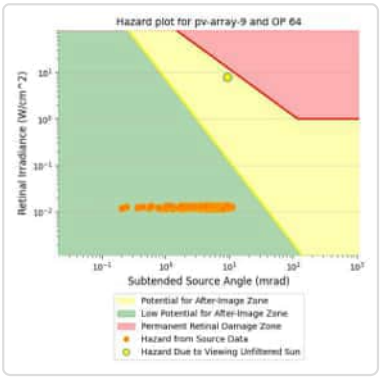
PV array 9: OP 64

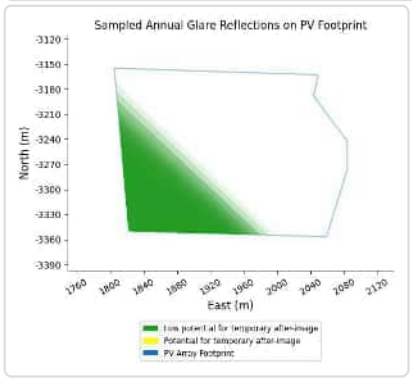
PV array is expected to produce the following glare for this receptor:

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









PV array 9: OP 65

No glare found

PV array 9: OP 66

No glare found

PV array 9: OP 67

No glare found

PV array 9: OP 68

No glare found

PV array 9: OP 69

No glare found

PV array 9: OP 70

No glare found

PV array 9: OP 71

No glare found

PV array 9: OP 72

No glare found

PV array 9: OP 73

No glare found

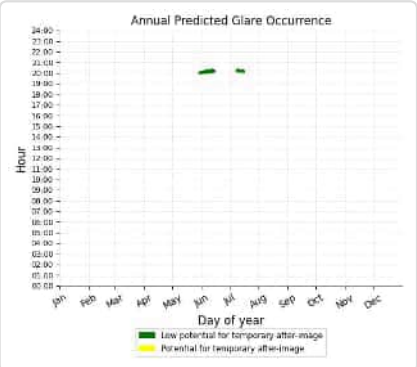
PV array 9: OP 74

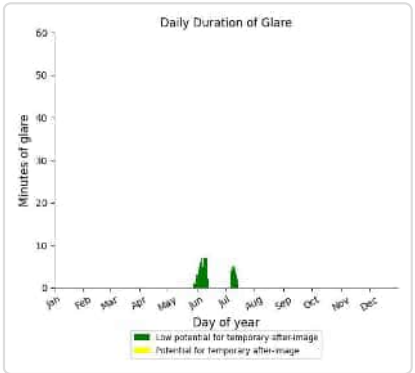
No glare found

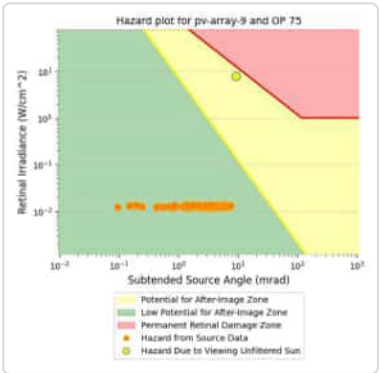
PV array 9: OP 75

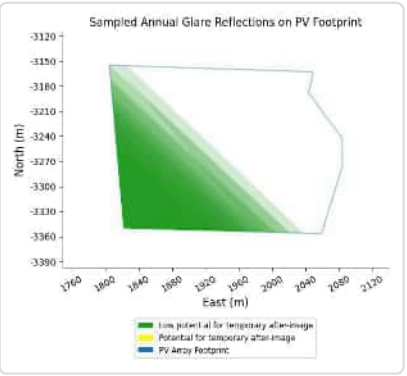
PV array is expected to produce the following glare for this receptor:

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





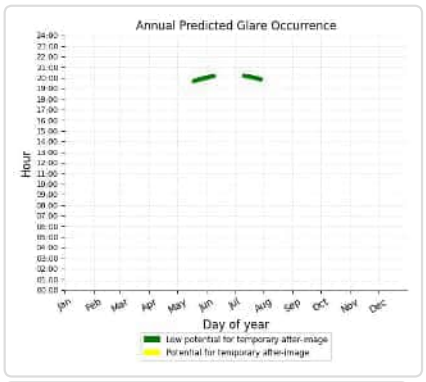


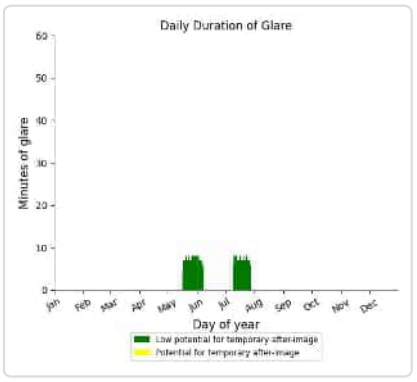


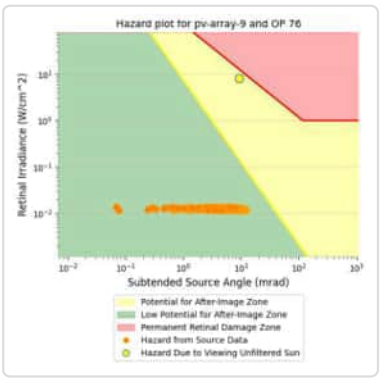
PV array 9: OP 76

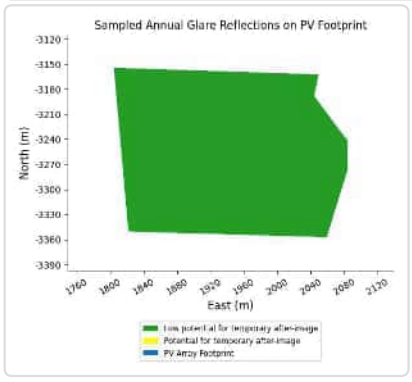
PV array is expected to produce the following glare for this receptor:

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





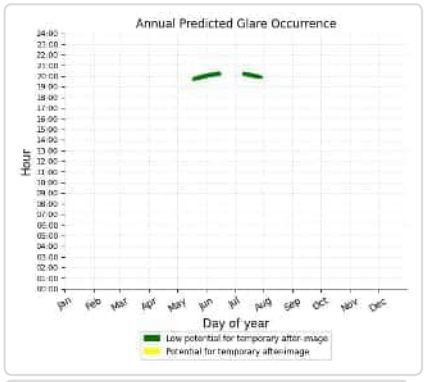


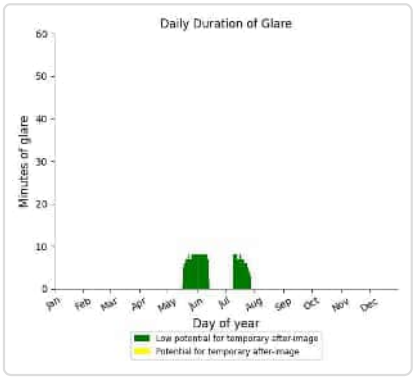


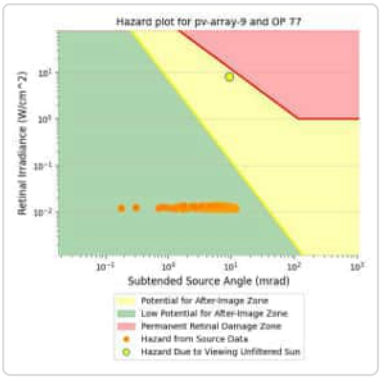
PV array 9: OP 77

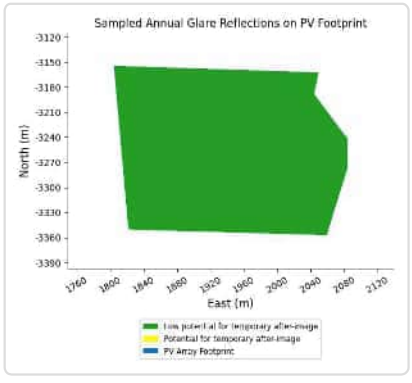
PV array is expected to produce the following glare for this receptor:

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









PV array 9: OP 78

No glare found

PV array 9: OP 79

No glare found

Summary of Vertical Surface Glare Analysis

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not automatically 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.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Fosse Green Solar Farm

Fosse Green SF Aviation 5 Degrees

Created Jan 11, 2024
Updated Apr 17, 2025
Time-step 1 minute
Timezone offset UTC0
Minimum sun altitude 0.0 deg
Site ID 109532.18719

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**

PV Analysis Methodology: **Version 2**
Enhanced subtended angle calculation: **On**

Summary of Results

Glare with potential for temporary after-image predicted

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
PV array 1	5.0	180.0	8,332	97	-
PV array 10	5.0	180.0	18,517	15,734	-
PV array 11	5.0	180.0	43,024	19,434	-
PV array 12	5.0	180.0	35,115	0	-
PV array 13	5.0	180.0	17,002	70	-
PV array 14	5.0	180.0	13,498	1,011	-
PV array 15	5.0	180.0	6,733	0	-
PV array 2	5.0	180.0	9,226	0	-
PV array 3	5.0	180.0	11,430	0	-
PV array 4	5.0	180.0	10,674	417	-
PV array 6	5.0	180.0	8,933	0	-
PV array 7	5.0	180.0	17,588	796	-
PV array 8	5.0	180.0	8,854	0	-
PV array 9	5.0	180.0	6,517	0	-

Component Data

PV Array(s)

Total PV footprint area: 5,021,929 m^2

Name: PV array 1
Footprint area: 490,759 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.173327	-0.683693	15.22	3.50	18.72
2	53.171796	-0.684143	15.03	3.50	18.53
3	53.171552	-0.683478	15.19	3.50	18.69
4	53.171127	-0.682985	15.98	3.50	19.48
5	53.169712	-0.681805	15.00	3.50	18.50
6	53.168092	-0.681418	16.50	3.50	20.00
7	53.167989	-0.682362	16.00	3.50	19.50
8	53.167616	-0.682427	15.86	3.50	19.36
9	53.166844	-0.682749	16.00	3.50	19.50
10	53.166574	-0.682985	16.00	3.50	19.50
11	53.166123	-0.682920	16.00	3.50	19.50
12	53.166394	-0.680345	17.00	3.50	20.50
13	53.166741	-0.680410	16.40	3.50	19.90
14	53.166831	-0.679530	17.48	3.50	20.98
15	53.167320	-0.679659	17.17	3.50	20.67
16	53.167564	-0.677277	20.64	3.50	24.14
17	53.166522	-0.676741	20.78	3.50	24.28
18	53.164880	-0.675150	20.68	3.50	24.18
19	53.165403	-0.672857	27.63	3.50	31.13
20	53.165648	-0.671870	30.61	3.50	34.11
21	53.166458	-0.671269	32.00	3.50	35.50
22	53.166857	-0.671569	31.99	3.50	35.49
23	53.167847	-0.667406	24.66	3.50	28.16
24	53.169468	-0.666720	25.10	3.50	28.60
25	53.169031	-0.668608	27.89	3.50	31.39
26	53.169198	-0.670067	30.98	3.50	34.48
27	53.169982	-0.673629	26.94	3.50	30.44
28	53.170246	-0.673758	26.58	3.50	30.08
29	53.171294	-0.673125	28.40	3.50	31.90
30	53.171745	-0.672299	30.82	3.50	34.32
31	53.172105	-0.674048	26.50	3.50	30.00
32	53.171674	-0.675957	22.65	3.50	26.15
33	53.171507	-0.677599	22.08	3.50	25.58
34	53.171629	-0.678414	22.99	3.50	26.49
35	53.171918	-0.678833	24.21	3.50	27.71
36	53.171809	-0.679283	22.62	3.50	26.12
37	53.171449	-0.679391	20.48	3.50	23.98
38	53.170838	-0.677985	18.51	3.50	22.01
39	53.170593	-0.678028	17.96	3.50	21.46
40	53.170606	-0.678200	17.83	3.50	21.33
41	53.171372	-0.679906	19.18	3.50	22.68
42	53.171249	-0.681719	17.42	3.50	20.92
43	53.171378	-0.681955	17.27	3.50	20.77
44	53.171333	-0.682395	16.56	3.50	20.06
45	53.171597	-0.682502	16.79	3.50	20.29
46	53.173384	-0.681622	18.75	3.50	22.25

Name: PV array 10
Footprint area: 185,320 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.150798	-0.633966	8.64	3.50	12.14
2	53.150219	-0.635436	8.34	3.50	11.84
3	53.150026	-0.636744	8.28	3.50	11.78
4	53.148983	-0.636744	9.89	3.50	13.39
5	53.148803	-0.636862	10.13	3.50	13.63
6	53.148829	-0.637045	9.76	3.50	13.26
7	53.147420	-0.637957	10.19	3.50	13.69
8	53.146461	-0.637796	10.65	3.50	14.15
9	53.146126	-0.637302	11.44	3.50	14.94
10	53.145875	-0.635146	9.74	3.50	13.24
11	53.145566	-0.635264	9.14	3.50	12.64
12	53.145451	-0.635843	9.42	3.50	12.92
13	53.145142	-0.635951	9.94	3.50	13.44
14	53.144987	-0.634910	11.54	3.50	15.04
15	53.144637	-0.634278	12.00	3.50	15.50
16	53.143968	-0.633344	12.41	3.50	15.91
17	53.144200	-0.633280	11.84	3.50	15.34
18	53.144953	-0.632754	9.97	3.50	13.47
19	53.145828	-0.631949	10.31	3.50	13.81
20	53.146497	-0.631509	11.15	3.50	14.65
21	53.147668	-0.633848	12.51	3.50	16.01
22	53.148395	-0.633344	12.81	3.50	16.31
23	53.148254	-0.632947	13.08	3.50	16.58
24	53.148910	-0.632035	13.05	3.50	16.55
25	53.149148	-0.632604	13.03	3.50	16.53
26	53.149631	-0.631853	12.49	3.50	15.99

Name: PV array 11
Footprint area: 717,731 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.148506	-0.631749	13.14	3.50	16.64
2	53.147850	-0.632704	12.97	3.50	16.47
3	53.147683	-0.632715	12.37	3.50	15.87
4	53.146640	-0.630945	11.20	3.50	14.70
5	53.146396	-0.630848	12.22	3.50	15.72
6	53.145637	-0.631266	12.28	3.50	15.78
7	53.144343	-0.632565	11.04	3.50	14.54
8	53.142046	-0.627951	13.11	3.50	16.61
9	53.141524	-0.626084	12.34	3.50	15.84
10	53.138596	-0.627329	13.83	3.50	17.33
11	53.138454	-0.627232	13.48	3.50	16.98
12	53.137051	-0.628370	12.96	3.50	16.46
13	53.137154	-0.629056	13.21	3.50	16.71
14	53.135919	-0.628649	14.19	3.50	17.69
15	53.135771	-0.627640	12.78	3.50	16.28
16	53.134593	-0.628456	13.03	3.50	16.53
17	53.134464	-0.624700	12.77	3.50	16.27
18	53.134618	-0.624700	12.76	3.50	16.26
19	53.134631	-0.624990	12.76	3.50	16.26
20	53.135655	-0.624947	12.58	3.50	16.08
21	53.135758	-0.626331	11.86	3.50	15.36
22	53.136112	-0.626567	11.92	3.50	15.42
23	53.136549	-0.625162	10.74	3.50	14.24
24	53.136717	-0.625055	10.13	3.50	13.63
25	53.136652	-0.624636	10.38	3.50	13.88
26	53.137450	-0.624089	10.03	3.50	13.53
27	53.135830	-0.616790	7.11	3.50	10.61
28	53.136200	-0.615960	6.99	3.50	10.49
29	53.137240	-0.614930	7.15	3.50	10.65
30	53.137620	-0.615710	7.24	3.50	10.74
31	53.137860	-0.615550	7.38	3.50	10.88
32	53.137990	-0.614790	7.14	3.50	10.64
33	53.139105	-0.617426	7.93	3.50	11.43
34	53.139800	-0.619754	11.05	3.50	14.55
35	53.141717	-0.618682	9.38	3.50	12.88
36	53.142129	-0.620227	11.21	3.50	14.71
37	53.142007	-0.620323	10.80	3.50	14.30
38	53.142541	-0.622211	11.19	3.50	14.69
39	53.144034	-0.620784	11.76	3.50	15.26
40	53.144607	-0.623563	11.92	3.50	15.42
41	53.145591	-0.624582	12.63	3.50	16.13
42	53.145044	-0.625248	12.90	3.50	16.40
43	53.145077	-0.625666	12.28	3.50	15.78
44	53.146634	-0.628348	11.72	3.50	15.22
45	53.146808	-0.628220	12.16	3.50	15.66
46	53.148268	-0.630762	12.11	3.50	15.61
47	53.148101	-0.631030	11.92	3.50	15.42

Name: PV array 12
Footprint area: 73,115 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.136228	-0.613414	8.07	3.50	11.57
2	53.135854	-0.613478	8.46	3.50	11.96
3	53.133222	-0.614980	9.82	3.50	13.32
4	53.132887	-0.611772	10.64	3.50	14.14
5	53.135977	-0.610335	9.13	3.50	12.63

Name: PV array 13
Footprint area: 737,153 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.135585	-0.658160	11.48	3.50	14.98
2	53.136461	-0.665906	14.75	3.50	18.25
3	53.130642	-0.667945	14.56	3.50	18.06
4	53.130333	-0.666357	13.81	3.50	17.31
5	53.128440	-0.666872	14.86	3.50	18.36
6	53.128582	-0.668717	14.77	3.50	18.27
7	53.128273	-0.668782	14.57	3.50	18.07
8	53.128131	-0.667301	14.49	3.50	17.99
9	53.125730	-0.667666	13.07	3.50	16.57
10	53.125710	-0.667945	12.94	3.50	16.44
11	53.124455	-0.667505	13.19	3.50	16.69
12	53.124558	-0.666711	12.70	3.50	16.20
13	53.123380	-0.665788	11.31	3.50	14.81
14	53.123457	-0.665370	11.00	3.50	14.50
15	53.123122	-0.665220	12.04	3.50	15.54
16	53.123476	-0.663514	13.15	3.50	16.65
17	53.124365	-0.661776	13.29	3.50	16.79
18	53.124571	-0.660832	13.96	3.50	17.46
19	53.125067	-0.660220	13.10	3.50	16.60
20	53.126410	-0.656650	11.66	3.50	15.16
21	53.126650	-0.656260	11.38	3.50	14.88
22	53.126960	-0.656270	11.65	3.50	15.15
23	53.127180	-0.656070	12.25	3.50	15.75
24	53.127600	-0.659050	12.08	3.50	15.58
25	53.128790	-0.658920	13.52	3.50	17.02
26	53.129280	-0.661440	14.94	3.50	18.44
27	53.131090	-0.659840	14.90	3.50	18.40
28	53.131520	-0.659500	14.40	3.50	17.90
29	53.132320	-0.658860	12.70	3.50	16.20
30	53.133270	-0.657930	12.71	3.50	16.21
31	53.133345	-0.658664	11.01	3.50	14.51

Name: PV array 14
Footprint area: 209,869 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.132660	-0.653180	10.42	3.50	13.92
2	53.132070	-0.653360	10.23	3.50	13.73
3	53.131511	-0.653075	11.28	3.50	14.78
4	53.130770	-0.652409	10.38	3.50	13.88
5	53.130352	-0.650049	9.94	3.50	13.44
6	53.130095	-0.649556	9.85	3.50	13.35
7	53.130275	-0.649255	10.71	3.50	14.21
8	53.132390	-0.648020	11.38	3.50	14.88
9	53.133030	-0.650850	12.02	3.50	15.52
10	53.136270	-0.648960	10.09	3.50	13.59
11	53.136080	-0.645870	9.77	3.50	13.27
12	53.137430	-0.645210	9.73	3.50	13.23
13	53.137750	-0.648600	9.23	3.50	12.73
14	53.137580	-0.648830	9.22	3.50	12.72
15	53.138060	-0.652120	9.08	3.50	12.58
16	53.137820	-0.652230	9.58	3.50	13.08
17	53.137820	-0.652230	9.58	3.50	13.08
18	53.137750	-0.652040	9.56	3.50	13.06
19	53.135890	-0.651840	9.88	3.50	13.38

Name: PV array 15
Footprint area: 78,226 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.132772	-0.647378	9.94	3.50	13.44
2	53.130056	-0.648847	10.80	3.50	14.30
3	53.129882	-0.649255	9.89	3.50	13.39
4	53.129303	-0.648847	10.80	3.50	14.30
5	53.128942	-0.648858	10.87	3.50	14.37
6	53.128884	-0.648418	11.51	3.50	15.01
7	53.128311	-0.648386	11.43	3.50	14.93
8	53.128105	-0.646884	11.40	3.50	14.90
9	53.130622	-0.645758	10.83	3.50	14.33
10	53.130700	-0.646122	11.65	3.50	15.15
11	53.131298	-0.645768	10.18	3.50	13.68
12	53.132410	-0.645330	9.00	3.50	12.50

Name: PV array 2
Footprint area: 575,674 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.178640	-0.666110	19.41	3.50	22.91
2	53.177870	-0.669090	19.28	3.50	22.78
3	53.176523	-0.668029	19.69	3.50	23.19
4	53.174220	-0.666891	26.06	3.50	29.56
5	53.174465	-0.660669	17.80	3.50	21.30
6	53.172497	-0.660755	16.16	3.50	19.66
7	53.172510	-0.661355	17.14	3.50	20.64
8	53.172960	-0.661484	17.29	3.50	20.79
9	53.173230	-0.666677	24.28	3.50	27.78
10	53.172175	-0.666226	20.97	3.50	24.47
11	53.171823	-0.664919	19.69	3.50	23.19
12	53.171714	-0.664865	19.72	3.50	23.22
13	53.170968	-0.662526	18.08	3.50	21.58
14	53.170357	-0.661797	17.29	3.50	20.79
15	53.174293	-0.653523	13.69	3.50	17.19
16	53.178283	-0.655459	15.69	3.50	19.19
17	53.179363	-0.655588	13.41	3.50	16.91
18	53.178051	-0.662519	19.70	3.50	23.20
19	53.177884	-0.665737	19.63	3.50	23.13

Name: PV array 3
Footprint area: 679,840 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.162240	-0.675330	17.88	3.50	21.38
2	53.159340	-0.671810	16.96	3.50	20.46
3	53.159790	-0.670480	16.50	3.50	20.00
4	53.160860	-0.668250	17.83	3.50	21.33
5	53.160420	-0.666810	17.26	3.50	20.76
6	53.159450	-0.669110	15.52	3.50	19.02
7	53.159860	-0.669750	15.96	3.50	19.46
8	53.159140	-0.671710	16.90	3.50	20.40
9	53.158240	-0.670650	16.68	3.50	20.18
10	53.158390	-0.670070	16.02	3.50	19.52
11	53.157840	-0.668790	15.77	3.50	19.27
12	53.159770	-0.664130	19.42	3.50	22.92
13	53.159920	-0.664410	18.34	3.50	21.84
14	53.160980	-0.661830	24.57	3.50	28.07
15	53.161160	-0.662010	24.26	3.50	27.76
16	53.161290	-0.661640	25.79	3.50	29.29
17	53.161160	-0.661450	26.00	3.50	29.50
18	53.162190	-0.659350	26.37	3.50	29.87
19	53.162080	-0.658850	26.32	3.50	29.82
20	53.162650	-0.657690	27.46	3.50	30.96
21	53.165690	-0.658340	22.77	3.50	26.27
22	53.165920	-0.658980	21.27	3.50	24.77
23	53.166210	-0.659430	20.99	3.50	24.49
24	53.165960	-0.661020	21.23	3.50	24.73
25	53.167980	-0.662370	18.26	3.50	21.76
26	53.167650	-0.663320	18.23	3.50	21.73
27	53.167500	-0.667240	23.91	3.50	27.41
28	53.164620	-0.668620	26.56	3.50	30.06
29	53.164820	-0.669520	27.49	3.50	30.99
30	53.163160	-0.671190	20.73	3.50	24.23
31	53.162730	-0.672050	18.84	3.50	22.34
32	53.162570	-0.673160	18.39	3.50	21.89
33	53.162750	-0.673700	17.85	3.50	21.35
34	53.162650	-0.674340	17.02	3.50	20.52

Name: PV array 4
Footprint area: 539,240 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.172585	-0.642585	14.81	3.50	18.31
2	53.173512	-0.648335	13.73	3.50	17.23
3	53.168740	-0.657433	17.19	3.50	20.69
4	53.168530	-0.657412	16.94	3.50	20.44
5	53.168310	-0.657830	18.09	3.50	21.59
6	53.168300	-0.658730	18.04	3.50	21.54
7	53.168070	-0.658890	17.95	3.50	21.45
8	53.165850	-0.657640	21.97	3.50	25.47
9	53.165650	-0.657980	23.24	3.50	26.74
10	53.162740	-0.657270	27.18	3.50	30.68
11	53.164580	-0.653290	23.23	3.50	26.73
12	53.166200	-0.654060	18.29	3.50	21.79
13	53.166850	-0.655520	18.20	3.50	21.70
14	53.167520	-0.655510	17.58	3.50	21.08
15	53.167980	-0.655110	18.44	3.50	21.94
16	53.169113	-0.651554	16.06	3.50	19.56
17	53.169113	-0.651060	15.41	3.50	18.91
18	53.168032	-0.650867	15.63	3.50	19.13
19	53.167955	-0.651597	16.07	3.50	19.57
20	53.167337	-0.651232	15.83	3.50	19.33
21	53.166077	-0.651103	19.26	3.50	22.76
22	53.166115	-0.650481	18.68	3.50	22.18
23	53.165961	-0.650181	19.78	3.50	23.28
24	53.168251	-0.644537	17.16	3.50	20.66
25	53.168920	-0.644687	16.30	3.50	19.80
26	53.170129	-0.644408	16.57	3.50	20.07
27	53.171132	-0.643754	15.25	3.50	18.75
28	53.171151	-0.643400	15.23	3.50	18.73
29	53.172000	-0.642681	14.97	3.50	18.47

Name: PV array 6
Footprint area: 178,317 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.167678	-0.644140	17.52	3.50	21.02
2	53.165556	-0.649011	19.39	3.50	22.89
3	53.164810	-0.644784	20.41	3.50	23.91
4	53.165350	-0.641716	16.27	3.50	19.77
5	53.163562	-0.640986	20.48	3.50	23.98
6	53.161902	-0.640643	22.38	3.50	25.88
7	53.159226	-0.640385	15.78	3.50	19.28
8	53.159329	-0.638197	13.14	3.50	16.64
9	53.162726	-0.638883	20.72	3.50	24.22
10	53.164115	-0.639205	17.21	3.50	20.71
11	53.165183	-0.639763	14.44	3.50	17.94
12	53.165800	-0.640707	14.81	3.50	18.31
13	53.166366	-0.642209	16.10	3.50	19.60
14	53.166971	-0.643282	16.63	3.50	20.13

Name: PV array 7
Footprint area: 491,698 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.164655	-0.651071	23.57	3.50	27.07
2	53.164218	-0.652101	24.34	3.50	27.84
3	53.163588	-0.652015	24.43	3.50	27.93
4	53.163575	-0.652466	24.10	3.50	27.60
5	53.163883	-0.652809	24.86	3.50	28.36
6	53.162790	-0.655406	26.04	3.50	29.54
7	53.162404	-0.655148	26.50	3.50	30.00
8	53.162082	-0.655835	27.39	3.50	30.89
9	53.162263	-0.656543	27.11	3.50	30.61
10	53.161516	-0.658324	26.25	3.50	29.75
11	53.158776	-0.654054	22.55	3.50	26.05
12	53.156879	-0.652104	18.45	3.50	21.95
13	53.156840	-0.650806	17.85	3.50	21.35
14	53.156634	-0.650474	16.75	3.50	20.25
15	53.155412	-0.650935	12.99	3.50	16.49
16	53.155245	-0.650441	12.47	3.50	15.97
17	53.154428	-0.650484	11.62	3.50	15.12
18	53.152317	-0.650581	10.82	3.50	14.32
19	53.151545	-0.650656	11.68	3.50	15.18
20	53.151481	-0.651761	11.49	3.50	14.99
21	53.151159	-0.651729	12.56	3.50	16.06
22	53.151178	-0.650924	12.32	3.50	15.82
23	53.150863	-0.650624	12.97	3.50	16.47
24	53.149042	-0.650581	13.39	3.50	16.89
25	53.149113	-0.652083	14.82	3.50	18.32
26	53.147459	-0.652115	10.92	3.50	14.42
27	53.147762	-0.654604	14.65	3.50	18.15
28	53.146730	-0.654770	11.29	3.50	14.79
29	53.146710	-0.654450	10.79	3.50	14.29
30	53.146660	-0.653930	9.99	3.50	13.49
31	53.146560	-0.653210	9.32	3.50	12.82
32	53.146500	-0.652650	9.65	3.50	13.15
33	53.146620	-0.652540	9.69	3.50	13.19
34	53.146670	-0.652330	9.64	3.50	13.14
35	53.146500	-0.650990	8.94	3.50	12.44
36	53.146830	-0.651060	9.07	3.50	12.57
37	53.147220	-0.650840	9.43	3.50	12.93
38	53.147530	-0.650419	9.95	3.50	13.45
39	53.148058	-0.647824	10.34	3.50	13.84
40	53.149293	-0.647502	11.75	3.50	15.25
41	53.149364	-0.647008	11.40	3.50	14.90
42	53.149004	-0.645163	9.84	3.50	13.34
43	53.149068	-0.644702	10.07	3.50	13.57
44	53.149589	-0.644659	10.09	3.50	13.59
45	53.150246	-0.645152	10.47	3.50	13.97
46	53.150709	-0.646118	10.77	3.50	14.27
47	53.150861	-0.646854	11.55	3.50	15.05
48	53.152186	-0.646683	10.55	3.50	14.05
49	53.152302	-0.648378	10.85	3.50	14.35
50	53.152559	-0.648356	11.03	3.50	14.53
51	53.152650	-0.647820	11.33	3.50	14.83
52	53.152843	-0.647562	10.51	3.50	14.01
53	53.152984	-0.648185	10.54	3.50	14.04
54	53.153396	-0.648850	10.72	3.50	14.22
55	53.153821	-0.649000	11.70	3.50	15.20
56	53.153821	-0.647176	11.57	3.50	15.07
57	53.157030	-0.647114	18.62	3.50	22.12
58	53.157911	-0.650923	21.21	3.50	24.71
59	53.159526	-0.650773	24.30	3.50	27.80
60	53.159841	-0.651545	25.93	3.50	29.43
61	53.160478	-0.652318	28.32	3.50	31.82
62	53.160542	-0.654142	27.00	3.50	30.50
63	53.161668	-0.654152	28.25	3.50	31.75
64	53.162003	-0.653691	27.32	3.50	30.82

65	53.161359	-0.652489	27.84	3.50	31.34
66	53.161314	-0.650848	28.23	3.50	31.73

Name: PV array 8
Footprint area: 15,661 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.149067	-0.644094	9.24	3.50	12.74
2	53.149505	-0.644029	9.82	3.50	13.32
3	53.149878	-0.644094	9.57	3.50	13.07
4	53.150888	-0.643353	9.27	3.50	12.77
5	53.150521	-0.642002	8.25	3.50	11.75
6	53.149871	-0.642806	8.50	3.50	12.00
7	53.149472	-0.642796	8.80	3.50	12.30
8	53.149215	-0.643192	8.74	3.50	12.24
9	53.149022	-0.644072	9.17	3.50	12.67

Name: PV array 9
Footprint area: 49,327 m^2
Axis tracking: Fixed (no rotation)
Tilt: 5.0 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	53.144980	-0.656700	12.95	3.50	16.45
2	53.143230	-0.656440	10.07	3.50	13.57
3	53.143170	-0.652900	8.94	3.50	12.44
4	53.143890	-0.652530	9.13	3.50	12.63
5	53.144200	-0.652530	9.20	3.50	12.70
6	53.144680	-0.653130	9.45	3.50	12.95
7	53.144910	-0.653050	9.39	3.50	12.89

2-Mile Flight Path Receptor(s)

Name: Blackmoor Farm RWY 06
Description:
Threshold height : 15 m
Direction: 57.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.157891	-0.586288	5.71	15.24	20.95
2-mile point	53.142144	-0.626775	11.81	177.83	189.63

Name: Blackmoor Farm RWY 24
Description:
Threshold height : 15 m
Direction: 237.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.159609	-0.581964	5.72	15.24	20.96
2-mile point	53.175356	-0.541475	75.17	114.48	189.65

Name: Peacocks Farm RWY 06
Description:
Threshold height : 15 m
Direction: 61.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.149038	-0.627060	11.67	15.24	26.91
2-mile point	53.135021	-0.669274	16.19	179.41	195.60

Name: Peacocks Farm RWY 24
Description:
Threshold height : 15 m
Direction: 241.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.151006	-0.621028	9.12	15.24	24.36
2-mile point	53.165023	-0.578812	5.02	188.03	193.05

Name: RAF Waddington RWY 02
Description:
Threshold height : 15 m
Direction: 21.5 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.154359	-0.531665	69.35	15.24	84.59
2-mile point	53.127459	-0.549356	30.20	223.07	253.27

Name: RAF Waddington RWY 20
Description:
Threshold height : 15 m
Direction: 201.5 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.176943	-0.516706	66.70	15.24	81.94
2-mile point	53.203844	-0.499005	42.50	208.12	250.63

Name: South Hykeham RWY 10
Description:
Threshold height : 15 m
Direction: 104.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.172905	-0.608049	9.20	15.24	24.44
2-mile point	53.179900	-0.654907	13.65	179.48	193.13

Name: South Hykeham RWY 13
Description:
Threshold height : 15 m
Direction: 125.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.174410	-0.608746	7.86	15.24	23.10
2-mile point	53.190994	-0.648306	12.94	178.85	191.79

Name: South Hykeham RWY 28
Description:
Threshold height : 15 m
Direction: 284.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.171587	-0.600882	5.96	15.24	21.20
2-mile point	53.164592	-0.554026	24.07	165.82	189.89

Name: South Hykeham RWY 31
Description:
Threshold height : 15 m
Direction: 305.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

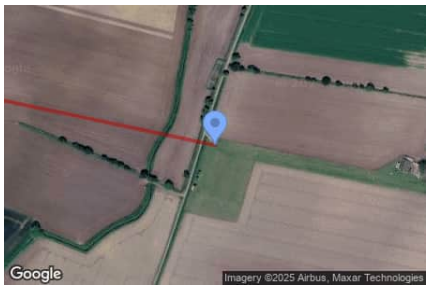
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.171413	-0.601032	5.63	15.24	20.87
2-mile point	53.154830	-0.561475	19.70	169.85	189.56

Name: South Scarle RW 28
Description:
Threshold height : 15 m
Direction: 282.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.158965	-0.722435	12.08	15.24	27.32
2-mile point	53.152954	-0.675213	16.89	179.11	196.00

Name: South Scarle RWY 10
Description:
Threshold height : 15 m
Direction: 102.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.159820	-0.729462	12.00	15.24	27.24
2-mile point	53.165832	-0.776685	7.31	188.62	195.92



Route Receptor(s)

Name: RAF Waddington Circuit Path East
Route type Two-way
View angle: 25.0 deg

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	53.154354	-0.531641	69.27	15.00	84.27
2	53.123805	-0.551852	22.19	400.00	422.19
3	53.112472	-0.492071	60.27	600.00	660.27
4	53.195509	-0.445471	21.02	600.00	621.02
5	53.207848	-0.496626	48.38	400.00	448.38
6	53.176891	-0.516689	66.61	15.00	81.61

Name: RAF Waddington Circuit Path West
Route type Two-way
View angle: 25.0 deg

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	53.154353	-0.531666	69.35	15.00	84.35
2	53.123842	-0.552073	21.93	400.00	421.93
3	53.136176	-0.604645	6.68	600.00	606.68
4	53.220035	-0.548740	6.81	600.00	606.81
5	53.207957	-0.496727	48.30	400.00	448.30
6	53.176923	-0.516769	66.71	15.00	81.71

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	m	m	m
1-ATCT	53.172167	-0.523800	69.28	10.00	79.28

1-ATCT map image

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	
PV array 1	5.0	180.0	8,332	97	-	-
PV array 10	5.0	180.0	18,517	15,734	-	-
PV array 11	5.0	180.0	43,024	19,434	-	-
PV array 12	5.0	180.0	35,115	0	-	-
PV array 13	5.0	180.0	17,002	70	-	-
PV array 14	5.0	180.0	13,498	1,011	-	-
PV array 15	5.0	180.0	6,733	0	-	-
PV array 2	5.0	180.0	9,226	0	-	-
PV array 3	5.0	180.0	11,430	0	-	-
PV array 4	5.0	180.0	10,674	417	-	-
PV array 6	5.0	180.0	8,933	0	-	-
PV array 7	5.0	180.0	17,588	796	-	-
PV array 8	5.0	180.0	8,854	0	-	-
PV array 9	5.0	180.0	6,517	0	-	-

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
pv-array-1 (green)	0	0	609	1313	553	1017	888	805	1151	16	0	0
pv-array-1 (yellow)	0	0	0	49	0	0	0	48	0	0	0	0
pv-array-10 (green)	437	325	615	305	2275	4605	3431	695	433	553	261	757
pv-array-10 (yellow)	5	47	87	1594	3789	3325	3759	2742	197	116	21	0
pv-array-11 (green)	1388	1059	174	2532	5949	9448	8051	3864	118	807	1355	1548
pv-array-11 (yellow)	713	32	93	2128	4506	2881	3832	3495	529	0	497	728
pv-array-12 (green)	1700	1753	1410	2144	5334	5163	5428	3721	1111	1888	1683	1655
pv-array-12 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-13 (green)	186	35	684	2198	2204	2814	2567	2144	1420	35	55	444
pv-array-13 (yellow)	0	0	36	0	0	0	0	0	34	0	0	0
pv-array-14 (green)	256	78	463	3470	1289	0	421	3400	1411	77	89	551
pv-array-14 (yellow)	0	0	0	506	0	0	0	358	147	0	0	0
pv-array-15 (green)	334	25	545	1524	0	0	0	746	1324	26	136	651
pv-array-15 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-2 (green)	0	0	391	1420	959	1072	965	1327	871	1	0	0
pv-array-2 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-3 (green)	22	10	1124	932	807	1265	1110	635	1372	218	0	69
pv-array-3 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-4 (green)	153	1	840	1143	848	1121	943	963	1210	135	45	322
pv-array-4 (yellow)	0	0	85	123	0	0	0	64	145	0	0	0
pv-array-6 (green)	124	48	1127	949	390	1132	797	510	1358	256	23	334
pv-array-6 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-7 (green)	156	247	928	548	1872	2532	2364	831	807	558	37	391
pv-array-7 (yellow)	0	0	0	0	0	17	0	0	0	0	0	0
pv-array-8 (green)	172	213	638	0	968	1165	1142	267	274	572	45	418
pv-array-8 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-9 (green)	108	231	49	471	1514	30	801	1216	0	263	30	303
pv-array-9 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

PV array 1 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	163	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	136	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	864	0
FP: South Hykeham RWY 31	861	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	2026	97
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	2561	0
Route: RAF Waddington Circuit Path West	1721	0

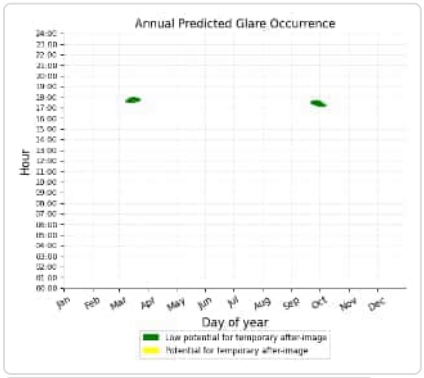
PV array 1: Blackmoor Farm RWY 06

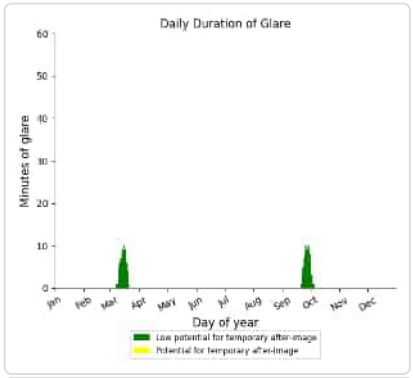
No glare found

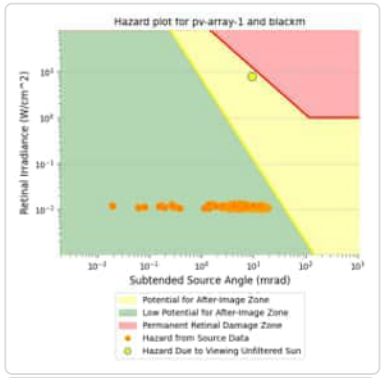
PV array 1: Blackmoor Farm RWY 24

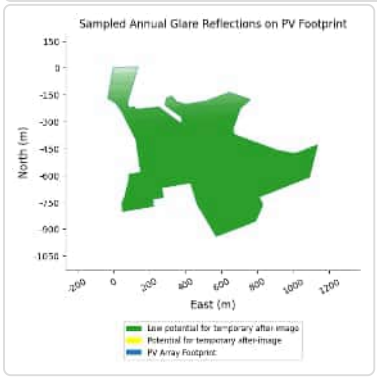
PV array is expected to produce the following glare for this receptor:

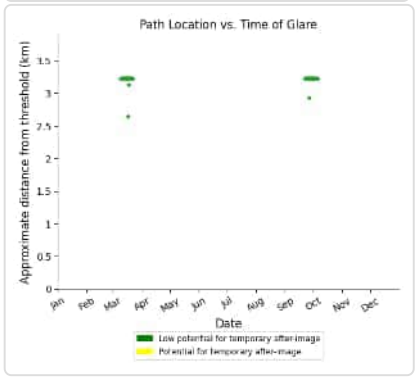
- 163 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

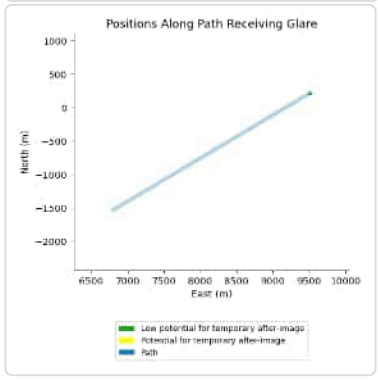












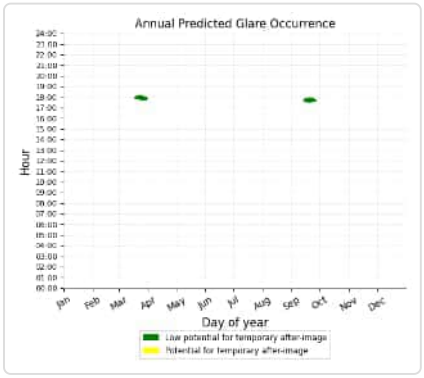
PV array 1: Peacocks Farm RWY 06

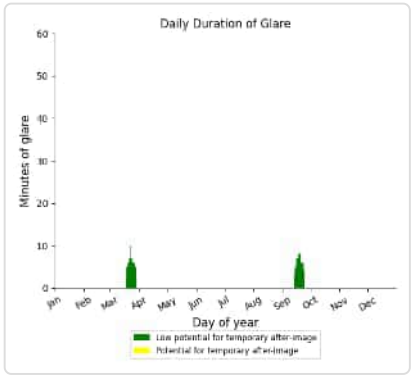
No glare found

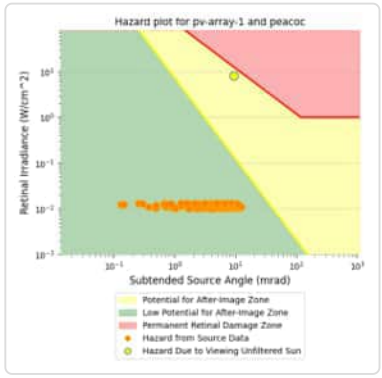
PV array 1: Peacocks Farm RWY 24

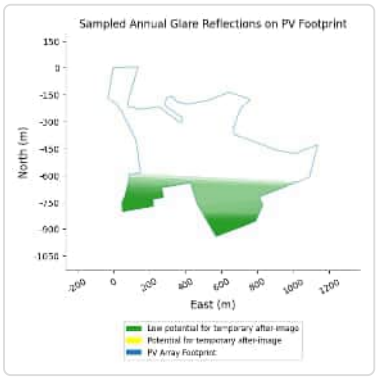
PV array is expected to produce the following glare for this receptor:

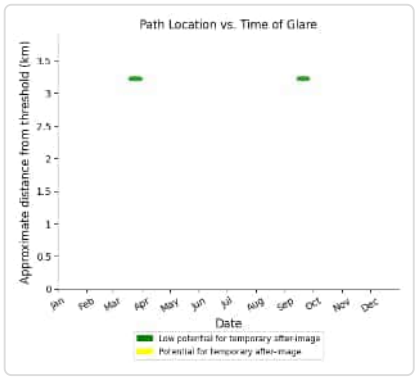
- 136 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

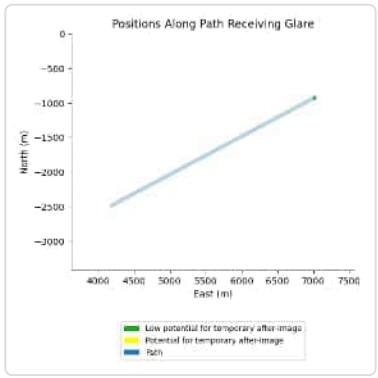












PV array 1: RAF Waddington RWY 02

No glare found

PV array 1: RAF Waddington RWY 20

No glare found

PV array 1: South Hykeham RWY 10

No glare found

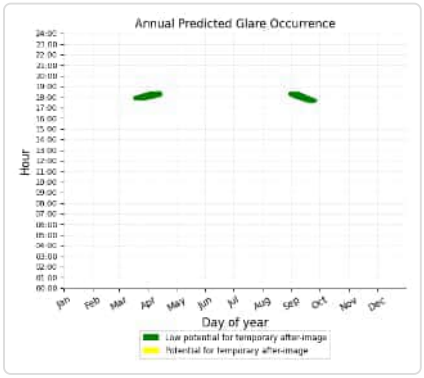
PV array 1: South Hykeham RWY 13

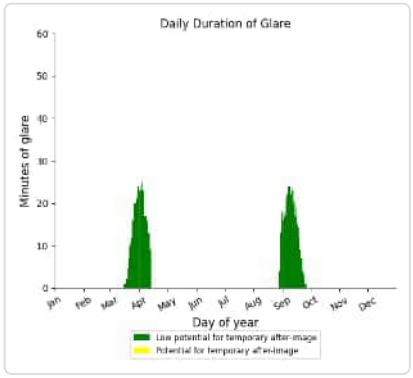
No glare found

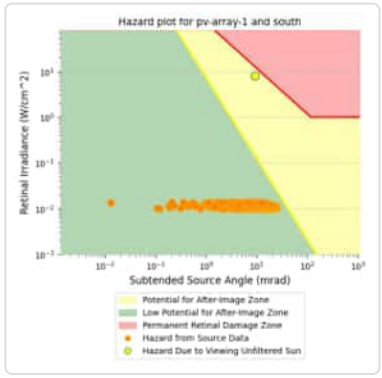
PV array 1: South Hykeham RWY 28

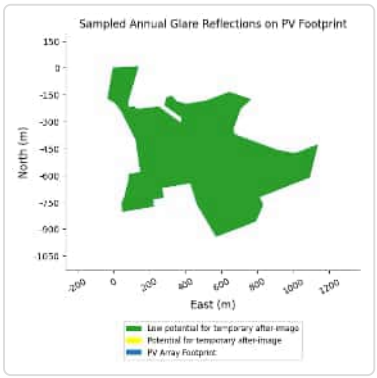
PV array is expected to produce the following glare for this receptor:

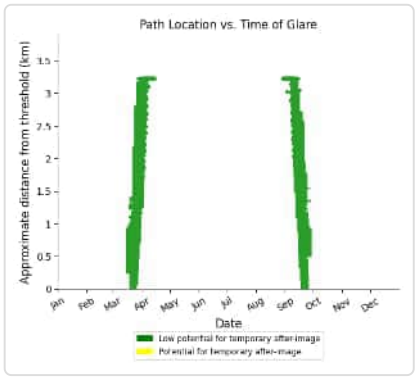
- 864 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

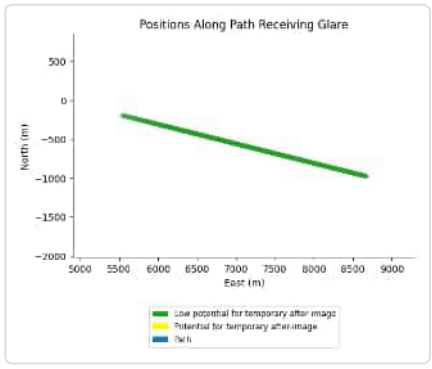








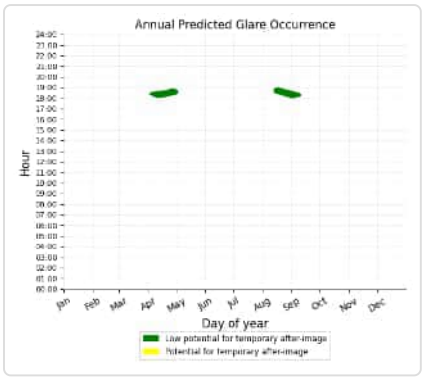


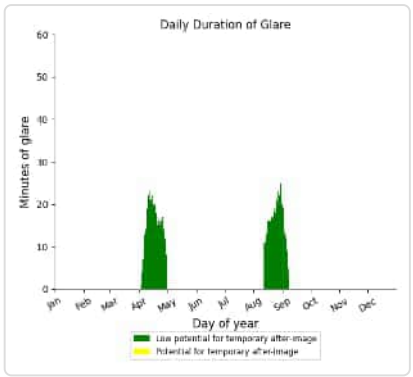


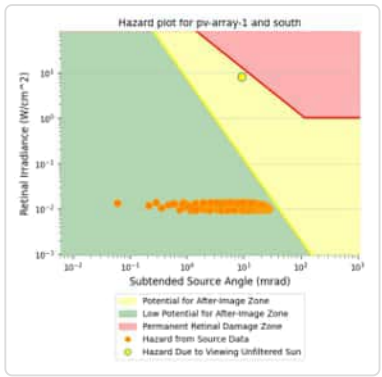
PV array 1: South Hykeham RWY 31

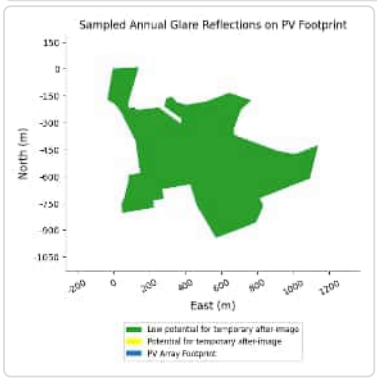
PV array is expected to produce the following glare for this receptor:

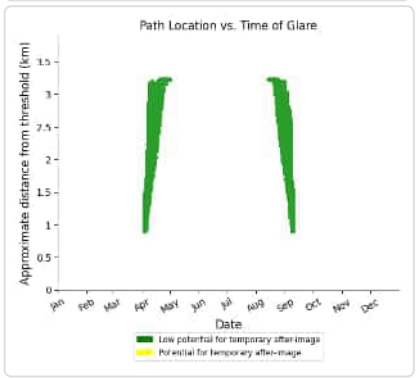
- 861 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

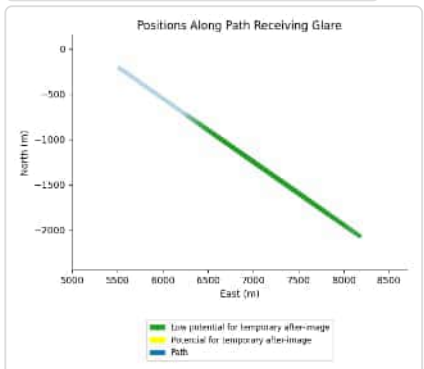












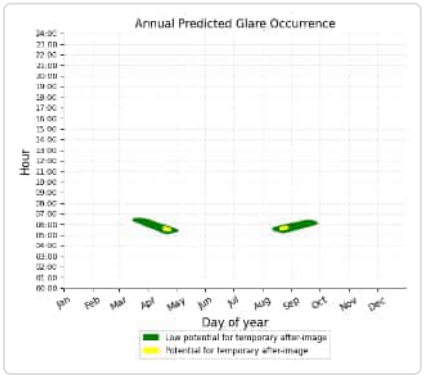
PV array 1: South Scarle RW 28

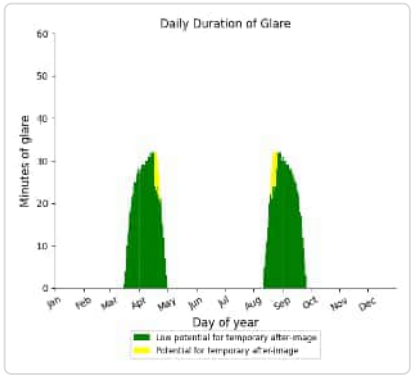
No glare found

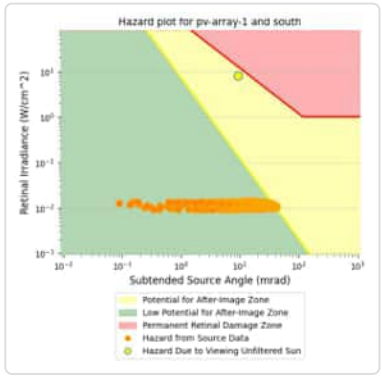
PV array 1: South Scarle RWY 10

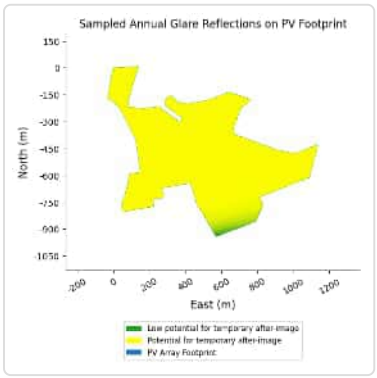
PV array is expected to produce the following glare for this receptor:

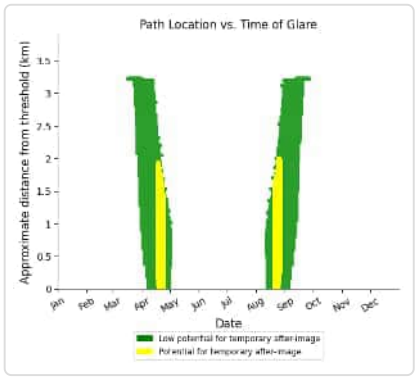
- 2,026 minutes of "green" glare with low potential to cause temporary after-image.
- 97 minutes of "yellow" glare with potential to cause temporary after-image.

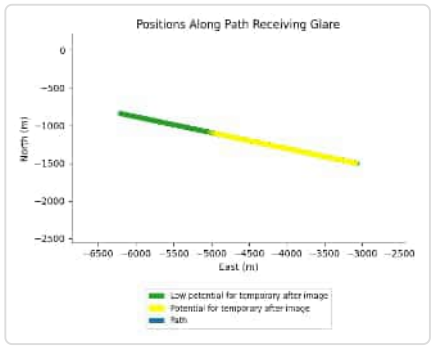












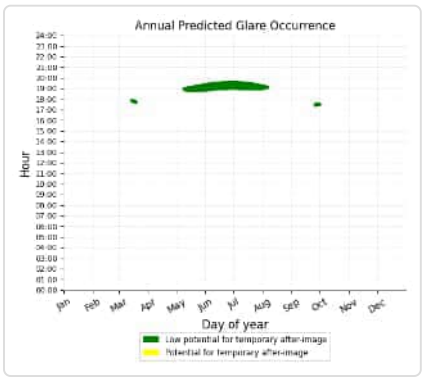
PV array 1: 1-ATCT

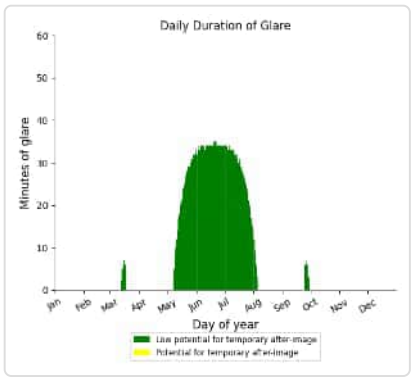
No glare found

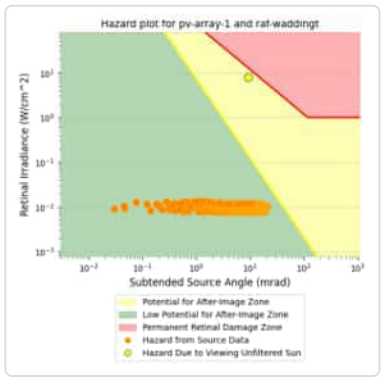
PV array 1: RAF Waddington Circuit Path East

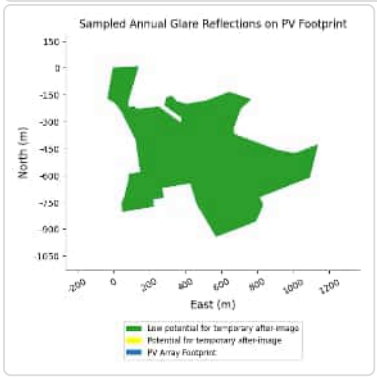
PV array is expected to produce the following glare for this receptor:

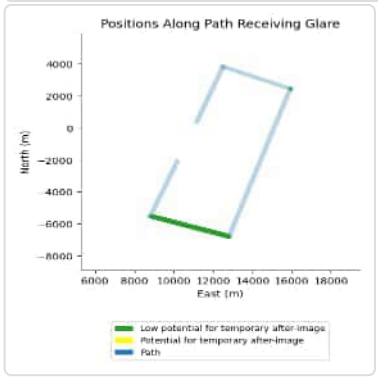
- 2,561 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







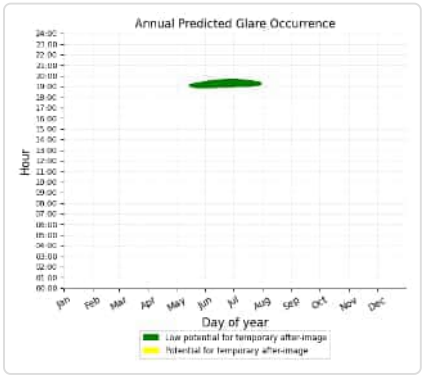


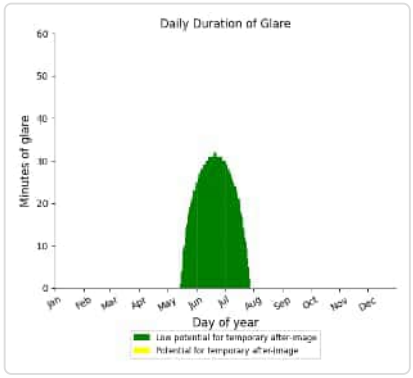


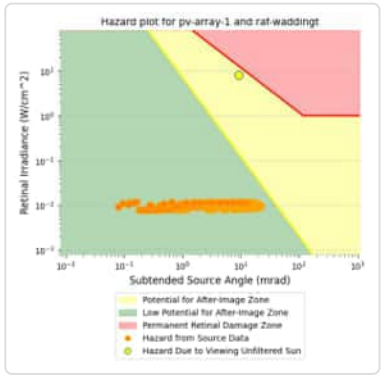
PV array 1: RAF Waddington Circuit Path West

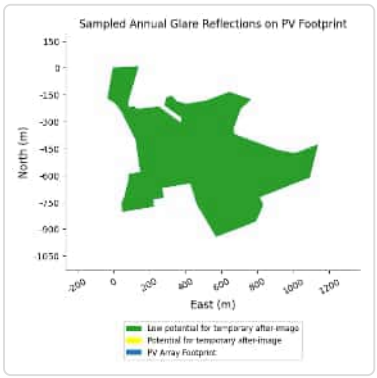
PV array is expected to produce the following glare for this receptor:

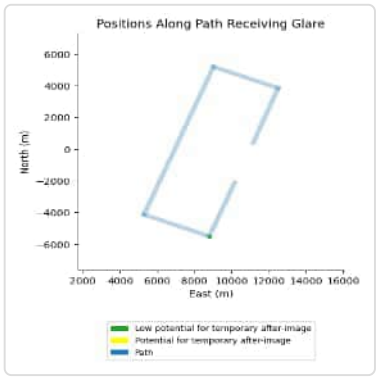
- 1,721 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 10 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	262	0
FP: Peacocks Farm RWY 06	6133	15406
FP: Peacocks Farm RWY 24	1436	328
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	67	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	454	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	3869	0
Route: RAF Waddington Circuit Path West	6296	0

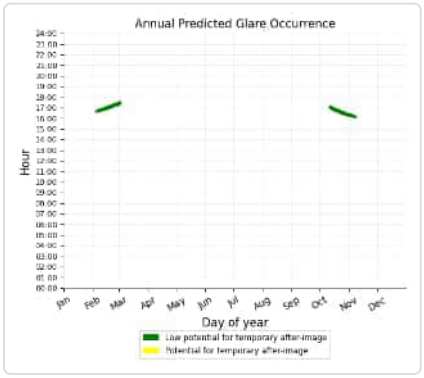
PV array 10: Blackmoor Farm RWY 06

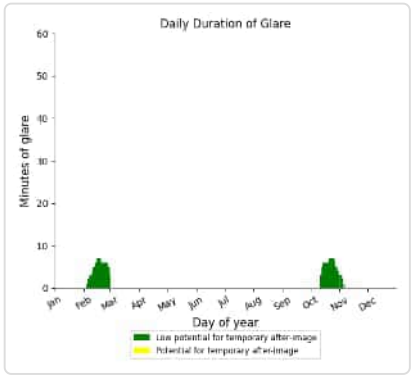
No glare found

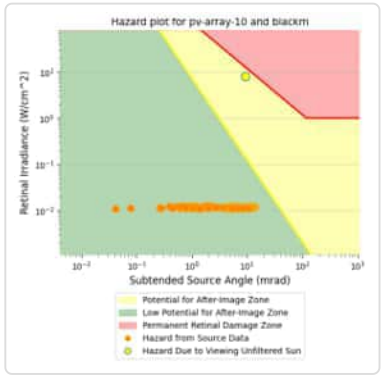
PV array 10: Blackmoor Farm RWY 24

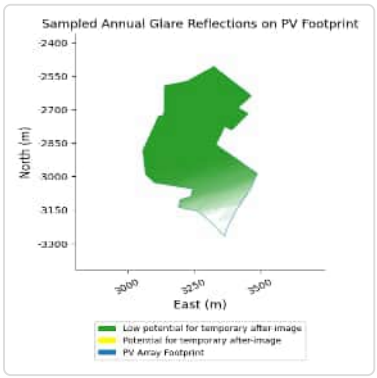
PV array is expected to produce the following glare for this receptor:

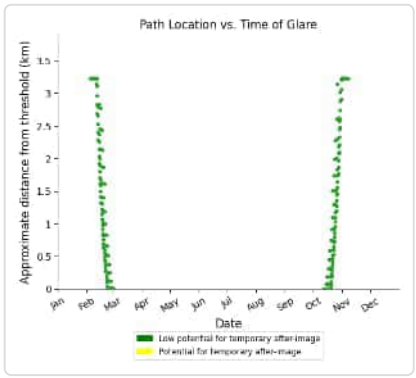
- 262 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

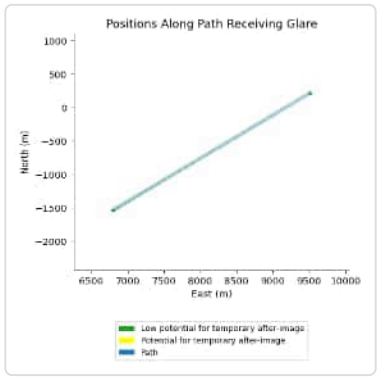








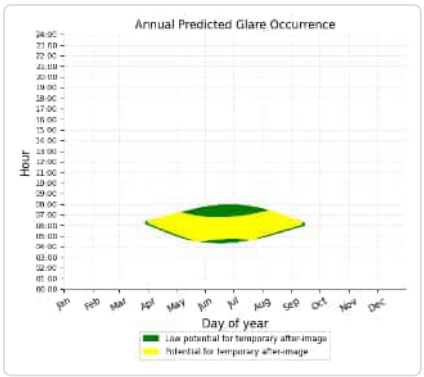


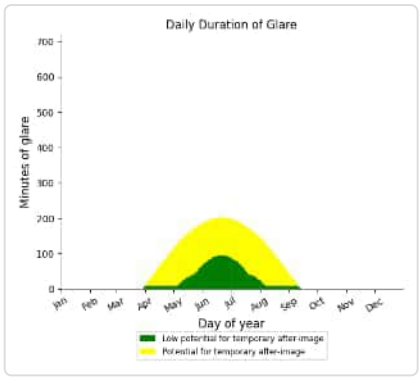


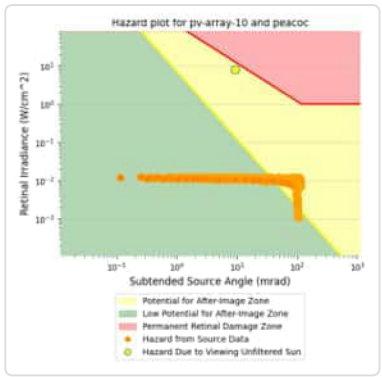
PV array 10: Peacocks Farm RWY 06

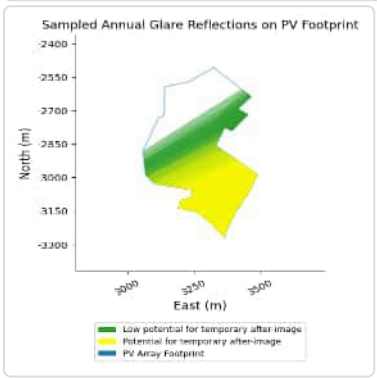
PV array is expected to produce the following glare for this receptor:

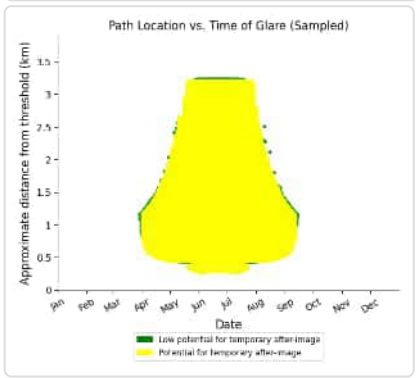
- 6,133 minutes of "green" glare with low potential to cause temporary after-image.
- 15,406 minutes of "yellow" glare with potential to cause temporary after-image.

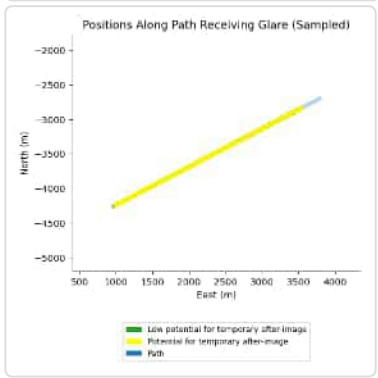








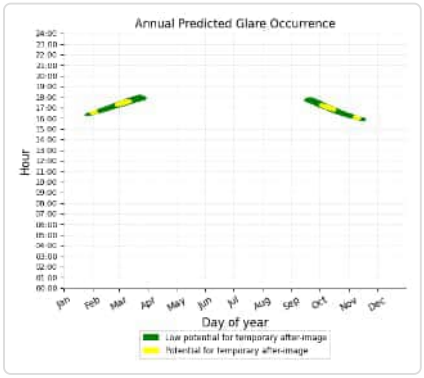


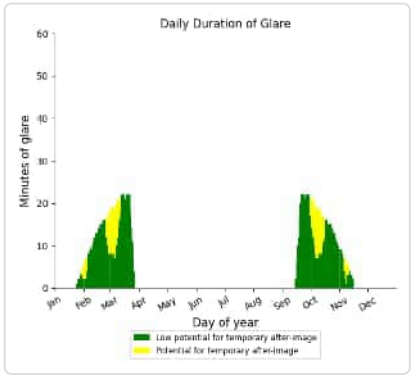


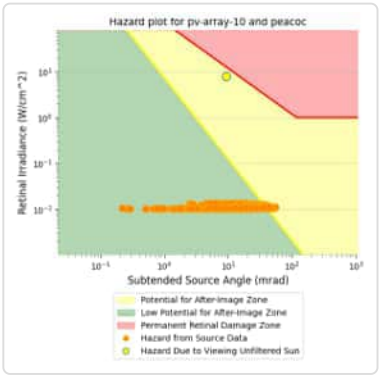
PV array 10: Peacocks Farm RWY 24

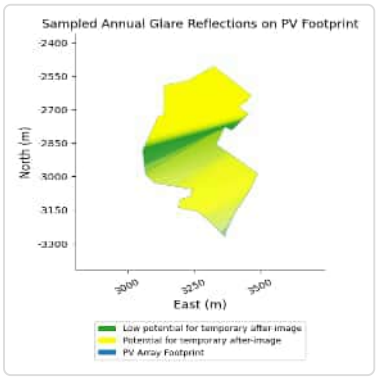
PV array is expected to produce the following glare for this receptor:

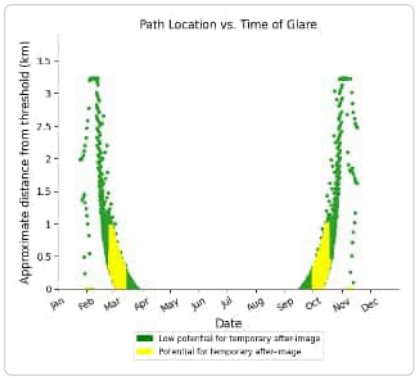
- 1,436 minutes of "green" glare with low potential to cause temporary after-image.
- 328 minutes of "yellow" glare with potential to cause temporary after-image.

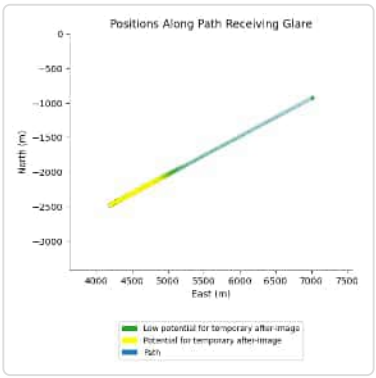












PV array 10: RAF Waddington RWY 02

No glare found

PV array 10: RAF Waddington RWY 20

No glare found

PV array 10: South Hykeham RWY 10

No glare found

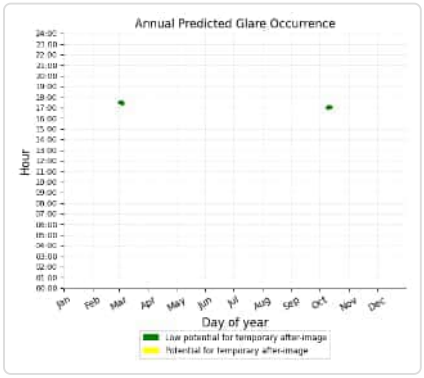
PV array 10: South Hykeham RWY 13

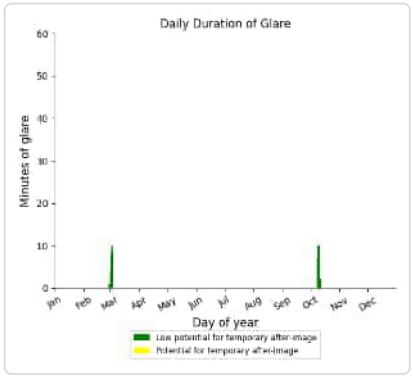
No glare found

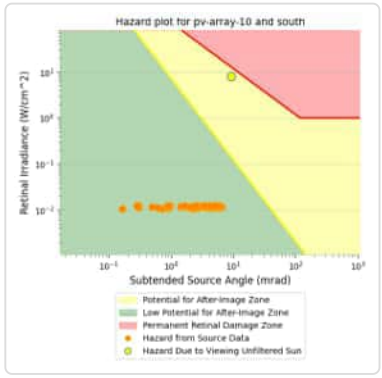
PV array 10: South Hykeham RWY 28

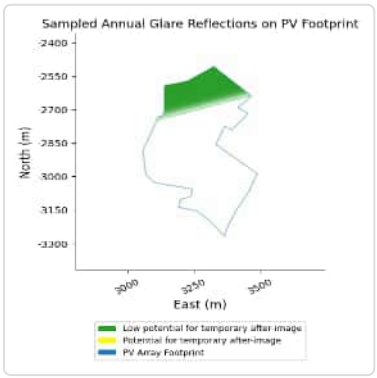
PV array is expected to produce the following glare for this receptor:

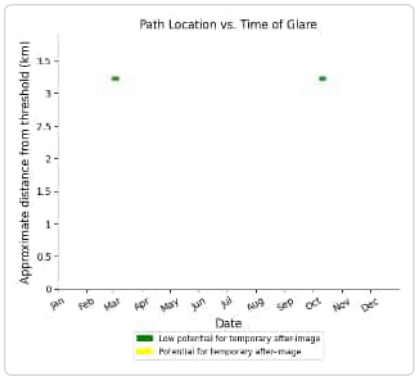
- 67 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

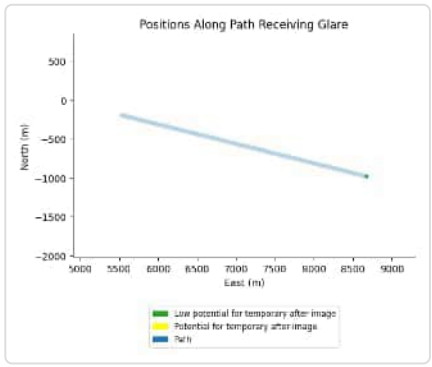












PV array 10: South Hykeham RWY 31

No glare found

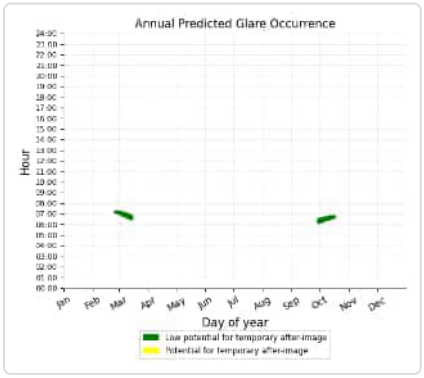
PV array 10: South Scarle RW 28

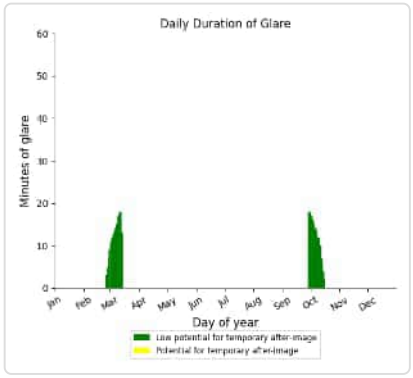
No glare found

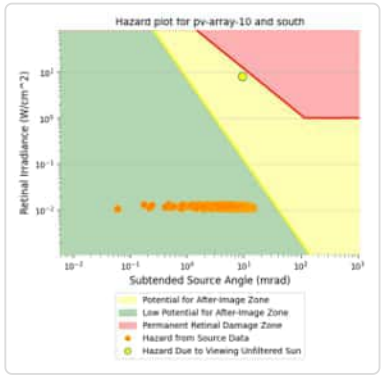
PV array 10: South Scarle RWY 10

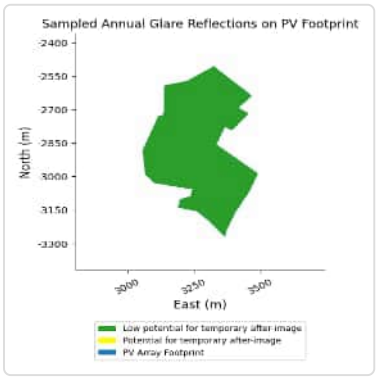
PV array is expected to produce the following glare for this receptor:

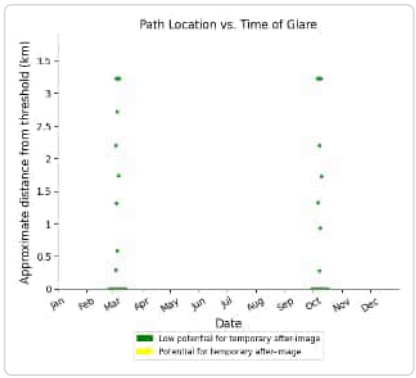
- 454 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

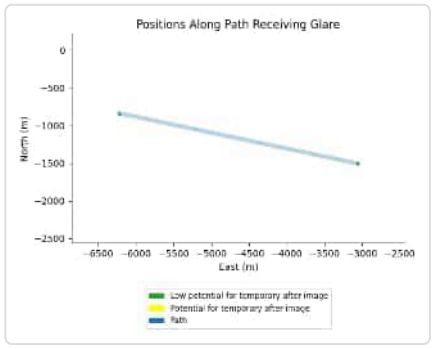












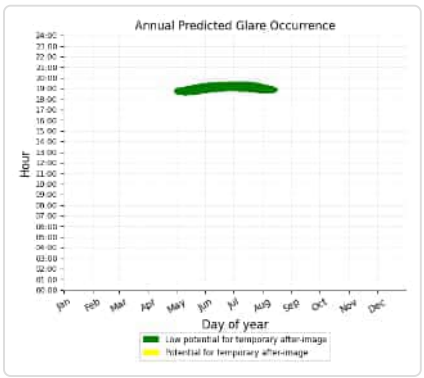
PV array 10: 1-ATCT

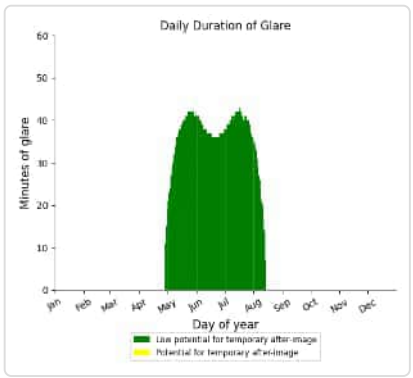
No glare found

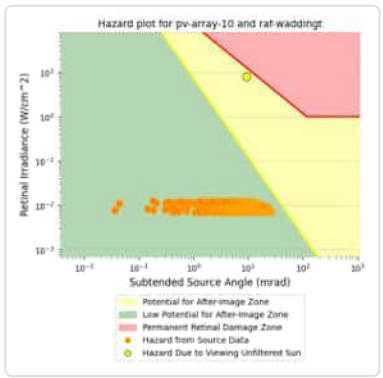
PV array 10: RAF Waddington Circuit Path East

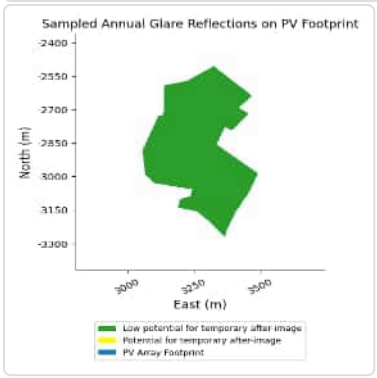
PV array is expected to produce the following glare for this receptor:

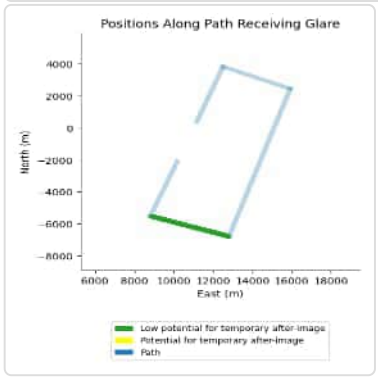
- 3,869 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







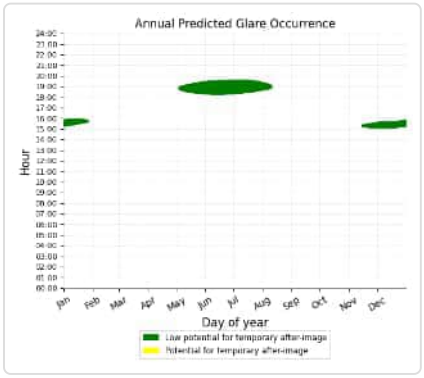


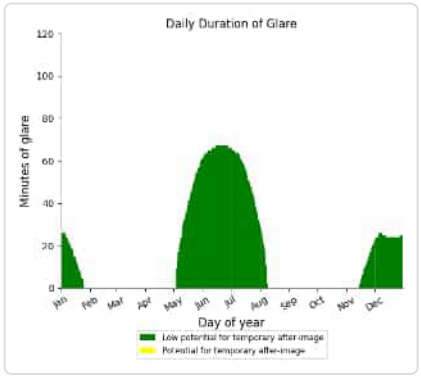


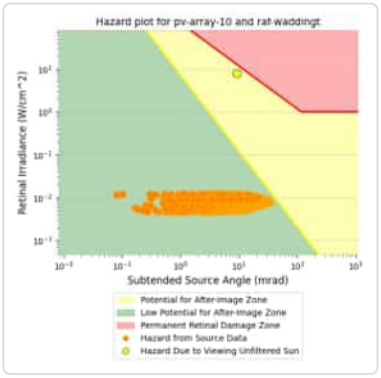
PV array 10: RAF Waddington Circuit Path West

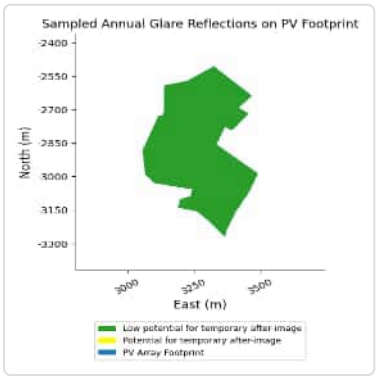
PV array is expected to produce the following glare for this receptor:

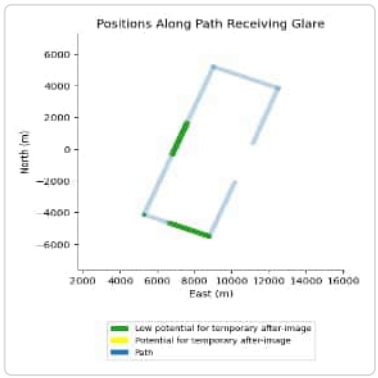
- 6,296 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











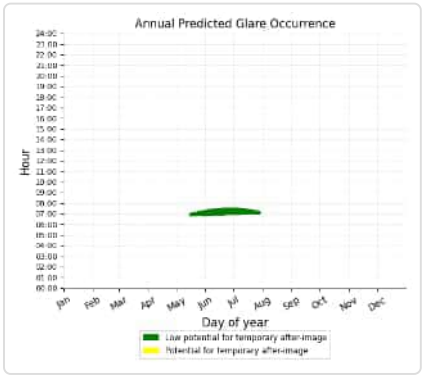
PV array 11 potential temporary after-image

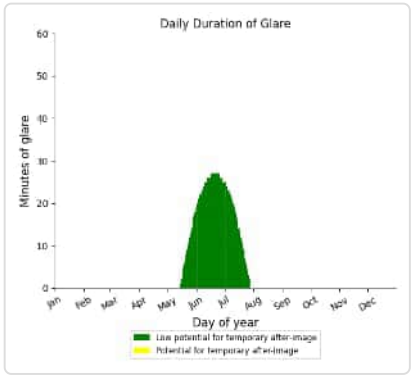
Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	1347	0
FP: Blackmoor Farm RWY 24	71	0
FP: Peacocks Farm RWY 06	10015	12275
FP: Peacocks Farm RWY 24	359	20
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	444	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	5463	0
Route: RAF Waddington Circuit Path West	25325	7139

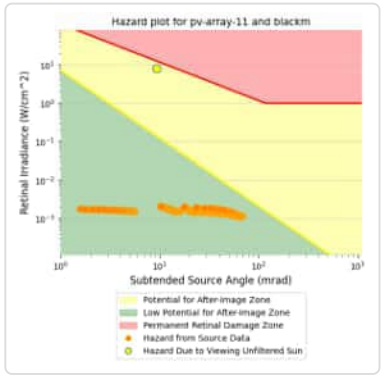
PV array 11: Blackmoor Farm RWY 06

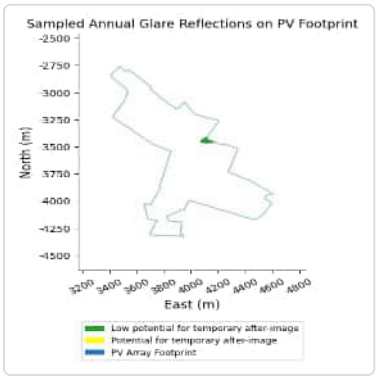
PV array is expected to produce the following glare for this receptor:

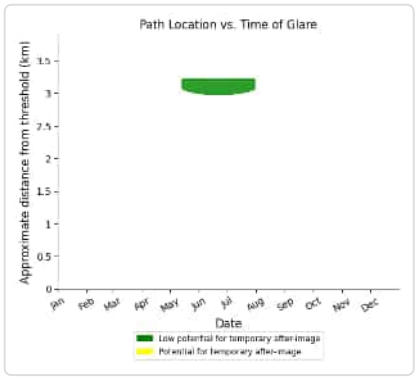
- 1,347 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

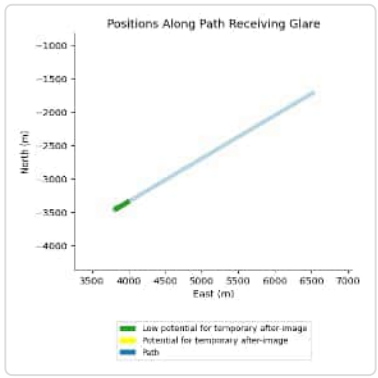








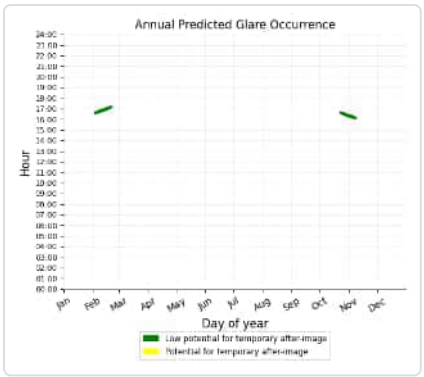


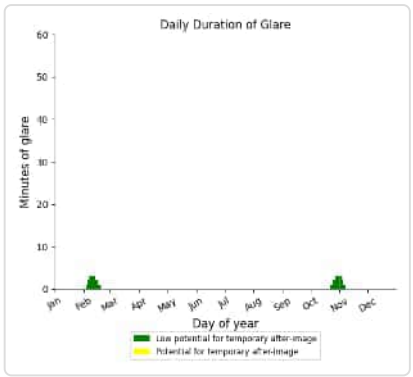


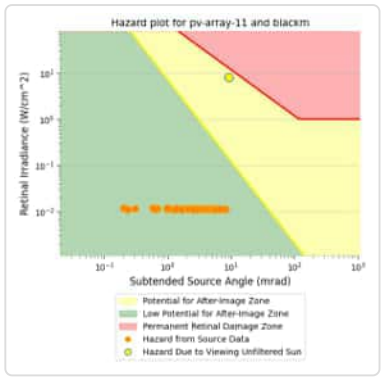
PV array 11: Blackmoor Farm RWY 24

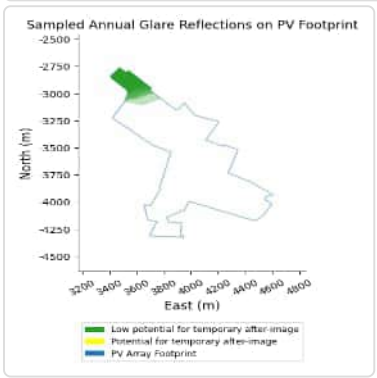
PV array is expected to produce the following glare for this receptor:

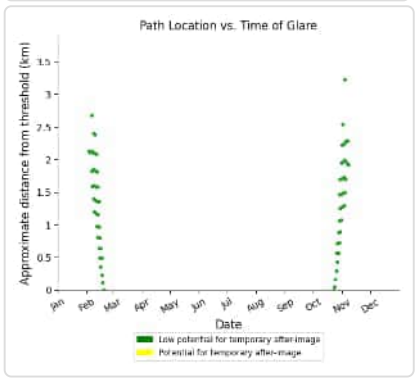
- 71 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

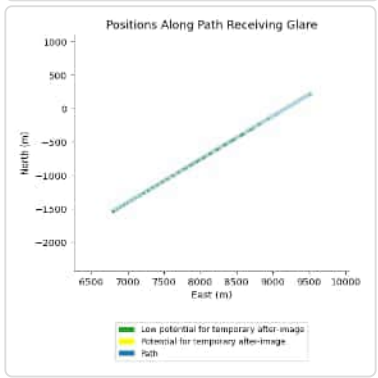








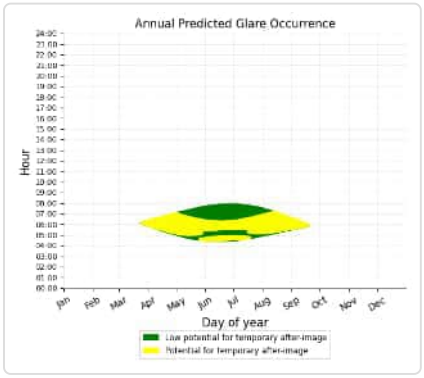


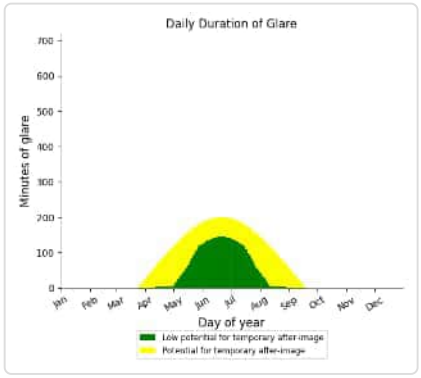


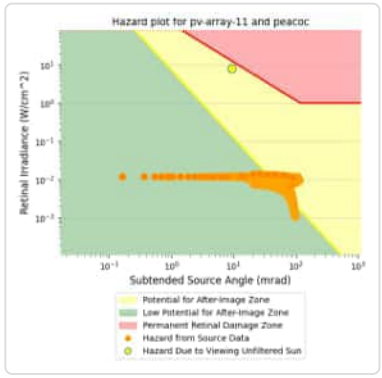
PV array 11: Peacocks Farm RWY 06

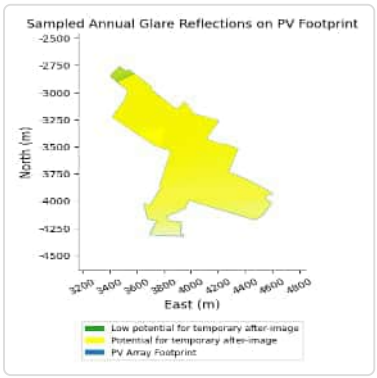
PV array is expected to produce the following glare for this receptor:

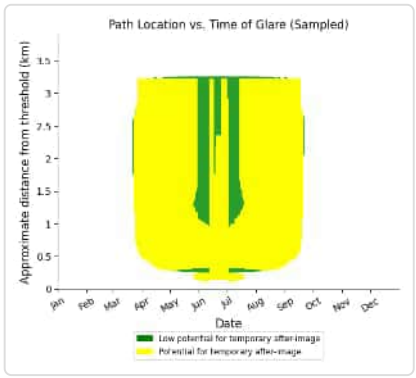
- 10,015 minutes of "green" glare with low potential to cause temporary after-image.
- 12,275 minutes of "yellow" glare with potential to cause temporary after-image.

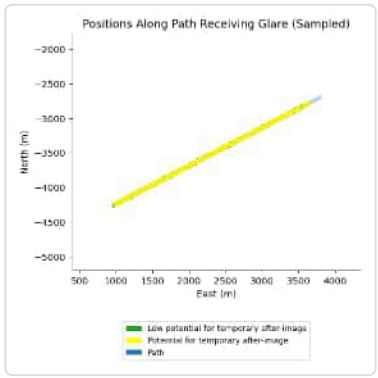








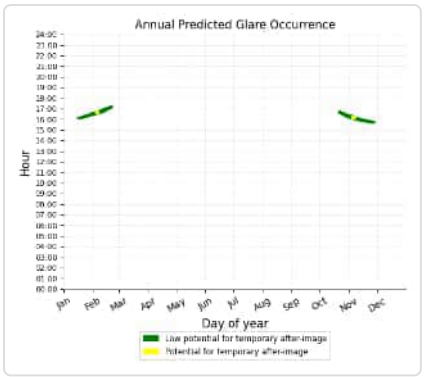


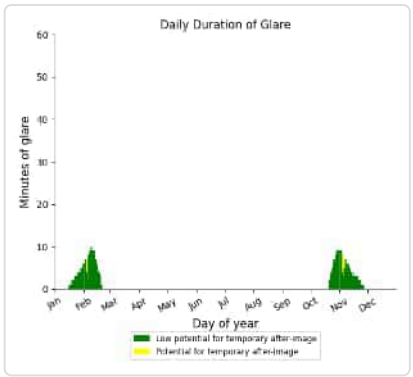


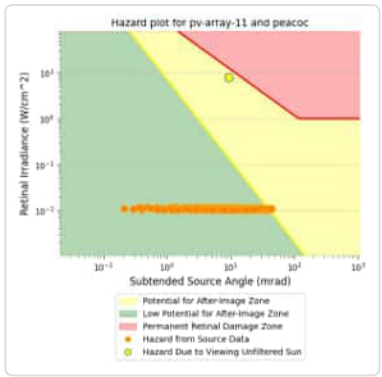
PV array 11: Peacocks Farm RWY 24

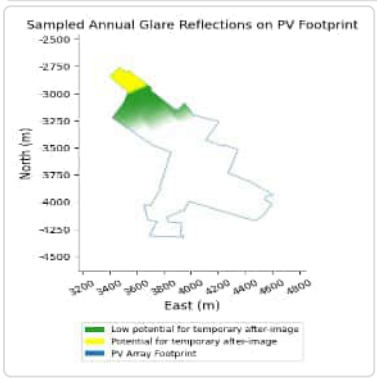
PV array is expected to produce the following glare for this receptor:

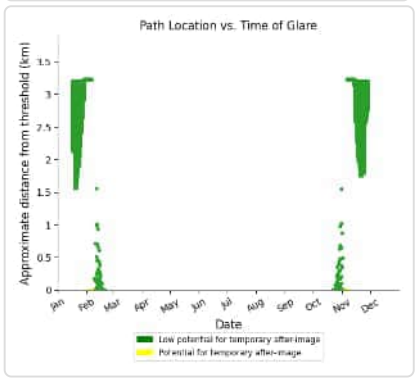
- 359 minutes of "green" glare with low potential to cause temporary after-image.
- 20 minutes of "yellow" glare with potential to cause temporary after-image.

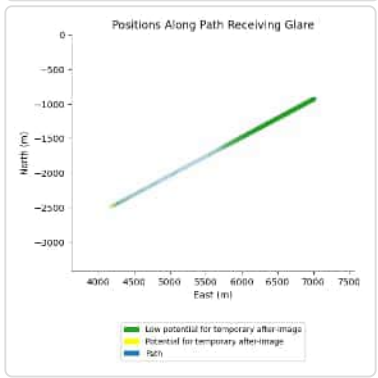












PV array 11: RAF Waddington RWY 02

No glare found

PV array 11: RAF Waddington RWY 20

No glare found

PV array 11: South Hykeham RWY 10

No glare found

PV array 11: South Hykeham RWY 13

No glare found

PV array 11: South Hykeham RWY 28

No glare found

PV array 11: South Hykeham RWY 31

No glare found

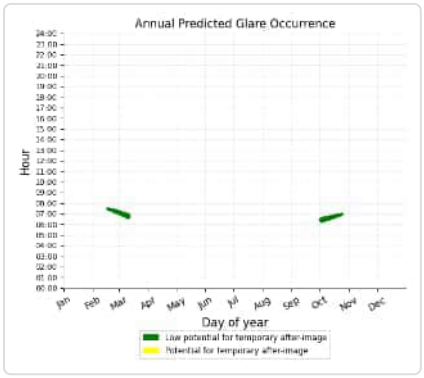
PV array 11: South Scarle RW 28

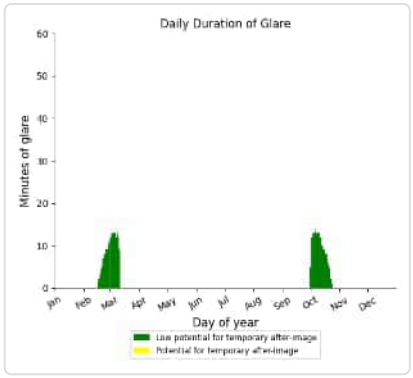
No glare found

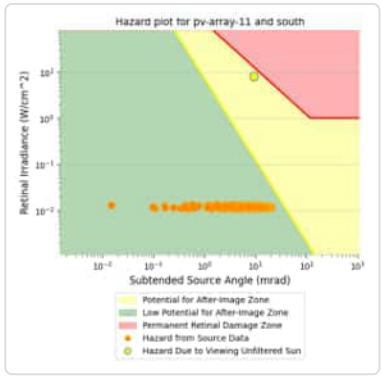
PV array 11: South Scarle RWY 10

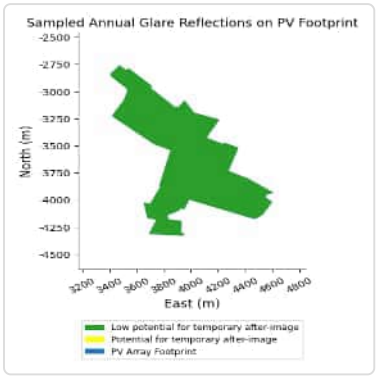
PV array is expected to produce the following glare for this receptor:

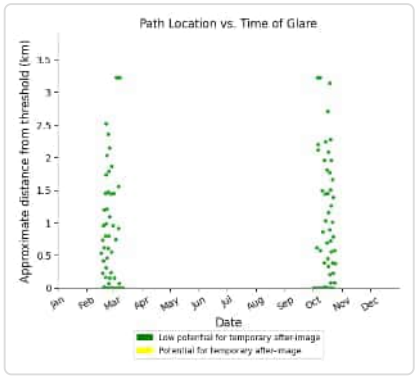
- 444 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

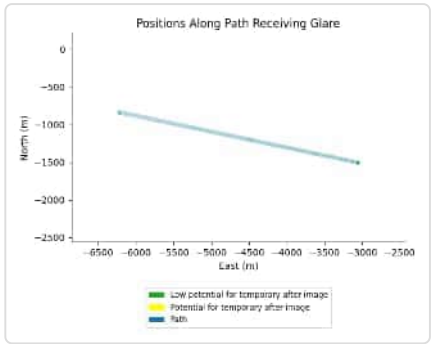












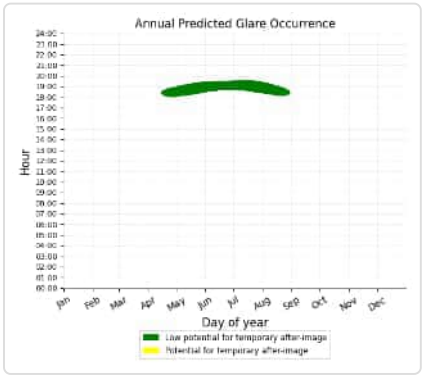
PV array 11: 1-ATCT

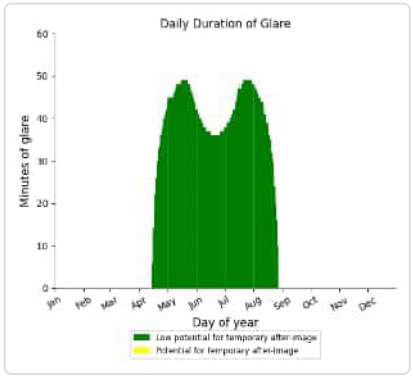
No glare found

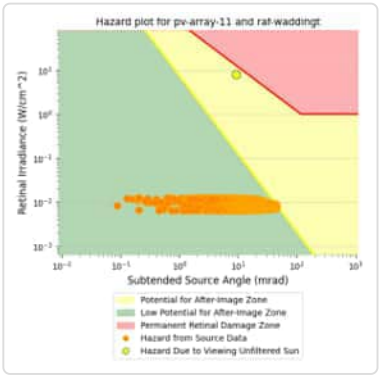
PV array 11: RAF Waddington Circuit Path East

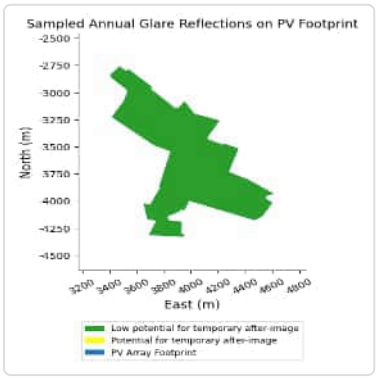
PV array is expected to produce the following glare for this receptor:

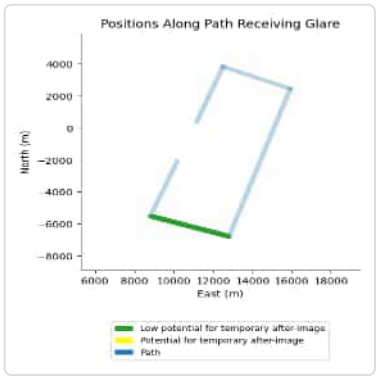
- 5,463 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







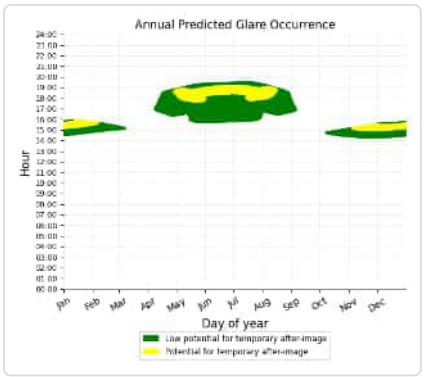


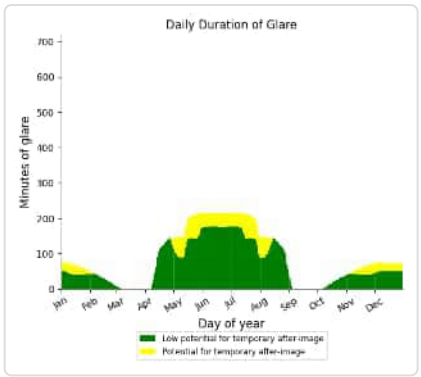


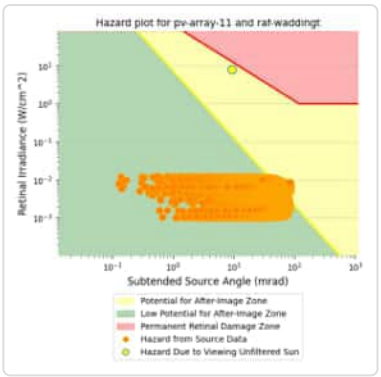
PV array 11: RAF Waddington Circuit Path West

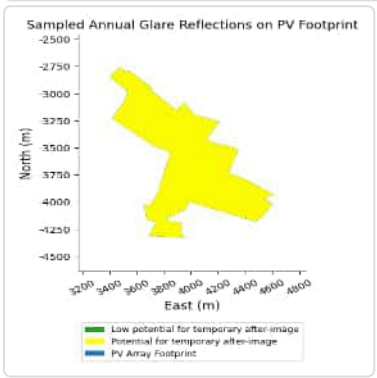
PV array is expected to produce the following glare for this receptor:

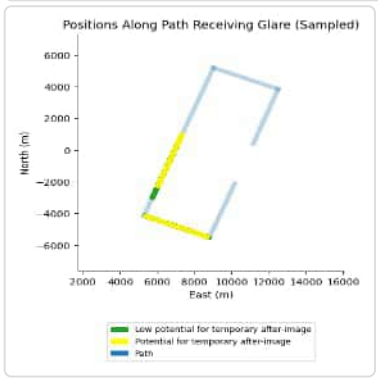
- 25,325 minutes of "green" glare with low potential to cause temporary after-image.
- 7,139 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 12 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0

FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	521	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	165	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	2304	0
Route: RAF Waddington Circuit Path West	32125	0

PV array 12: Blackmoor Farm RWY 06

No glare found

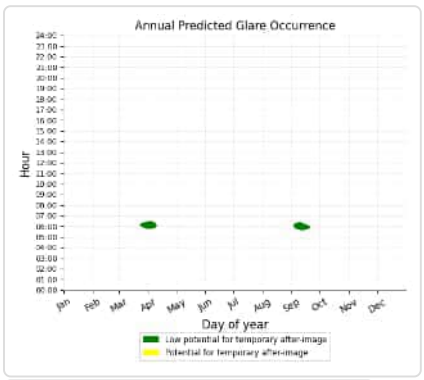
PV array 12: Blackmoor Farm RWY 24

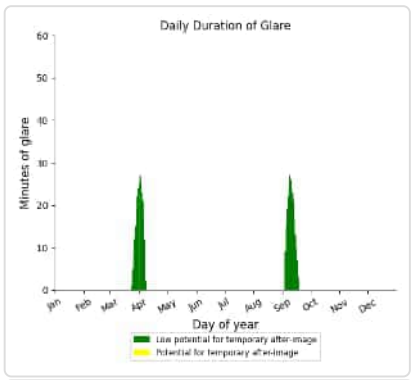
No glare found

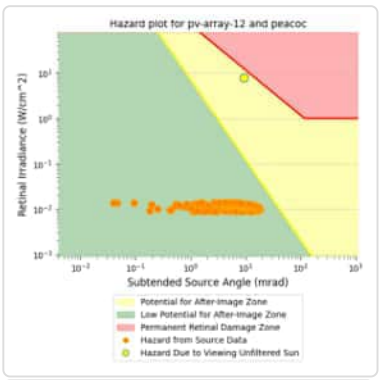
PV array 12: Peacocks Farm RWY 06

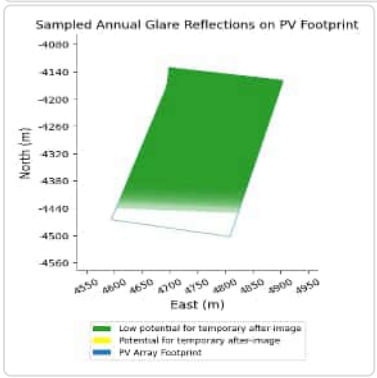
PV array is expected to produce the following glare for this receptor:

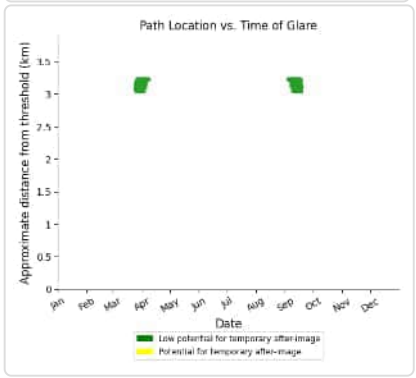
- 521 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

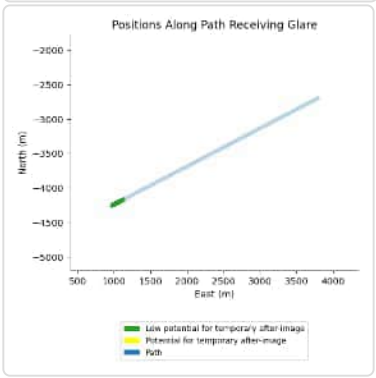












PV array 12: Peacocks Farm RWY 24

No glare found

PV array 12: RAF Waddington RWY 02

No glare found

PV array 12: RAF Waddington RWY 20

No glare found

PV array 12: South Hykeham RWY 10

No glare found

PV array 12: South Hykeham RWY 13

No glare found

PV array 12: South Hykeham RWY 28

No glare found

PV array 12: South Hykeham RWY 31

No glare found

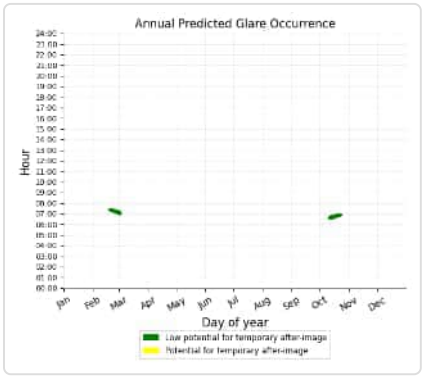
PV array 12: South Scarle RW 28

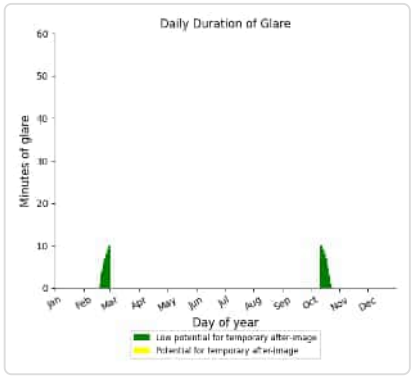
No glare found

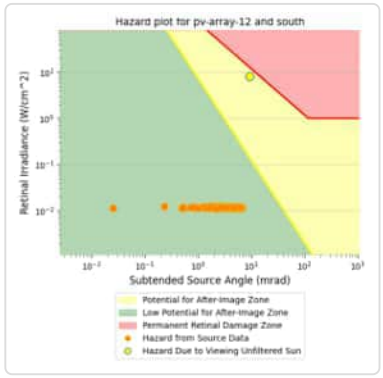
PV array 12: South Scarle RWY 10

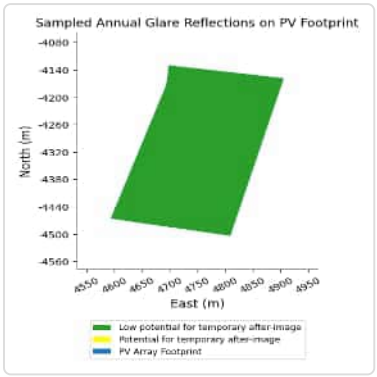
PV array is expected to produce the following glare for this receptor:

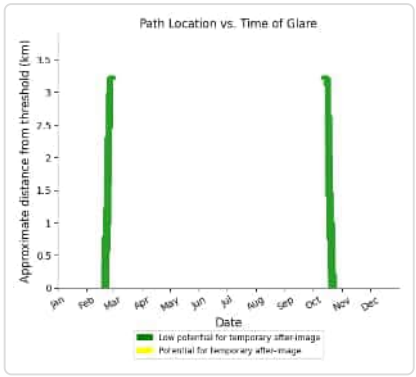
- 165 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

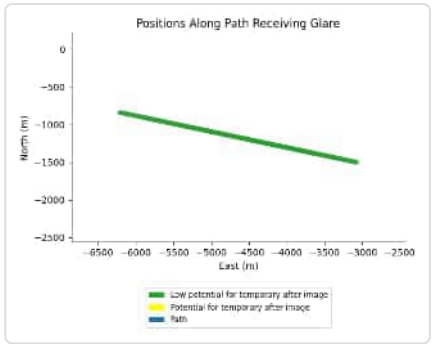












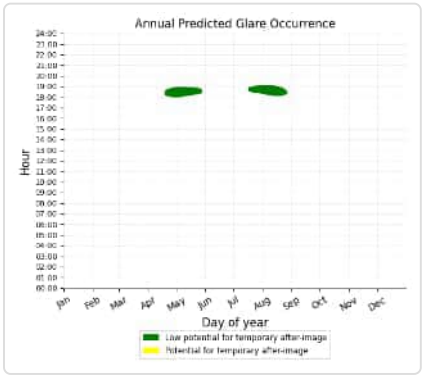
PV array 12: 1-ATCT

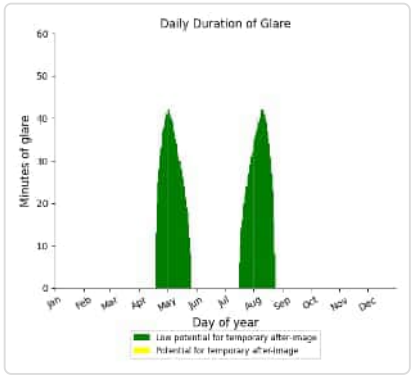
No glare found

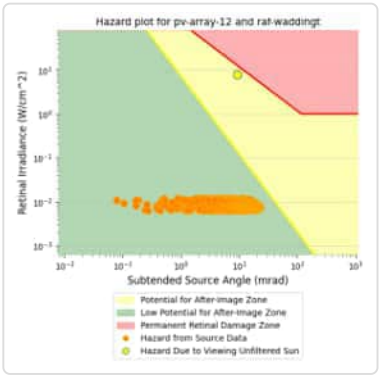
PV array 12: RAF Waddington Circuit Path East

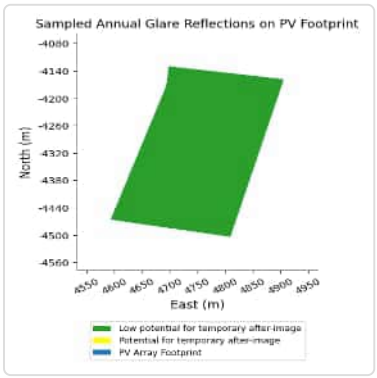
PV array is expected to produce the following glare for this receptor:

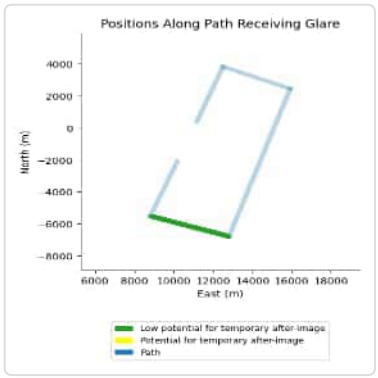
- 2,304 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







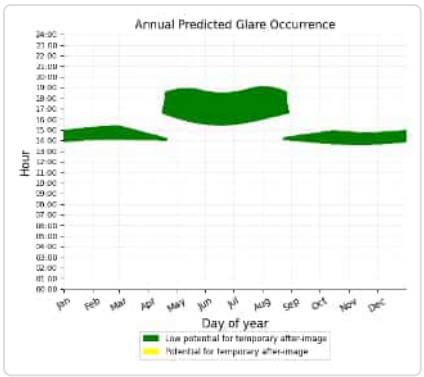


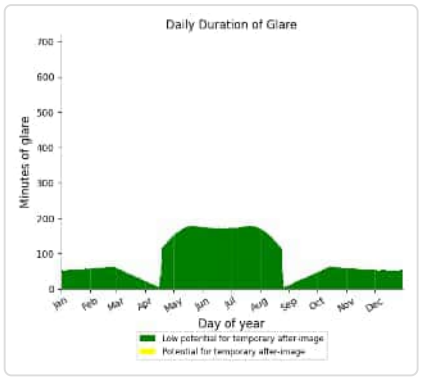


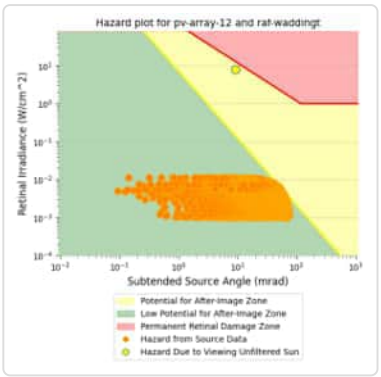
PV array 12: RAF Waddington Circuit Path West

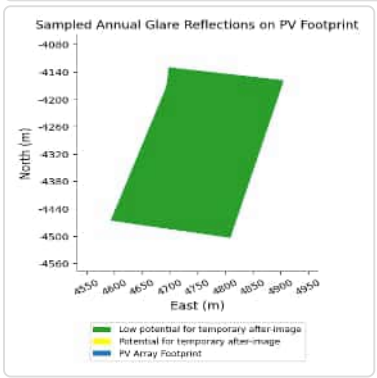
PV array is expected to produce the following glare for this receptor:

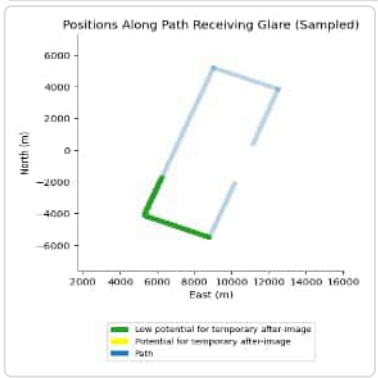
- 32,125 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 13 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0

FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	9428	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	73	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	2631	0
Route: RAF Waddington Circuit Path West	4870	70

PV array 13: Blackmoor Farm RWY 06

No glare found

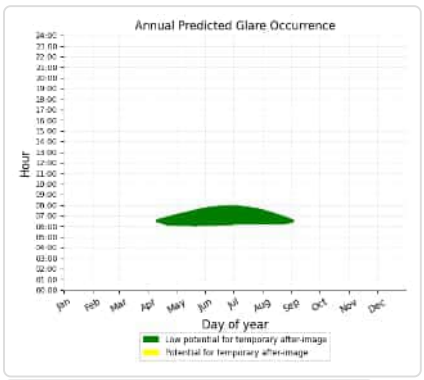
PV array 13: Blackmoor Farm RWY 24

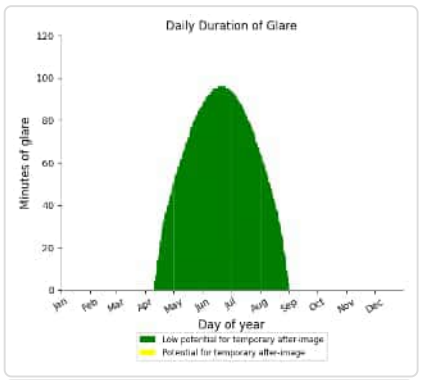
No glare found

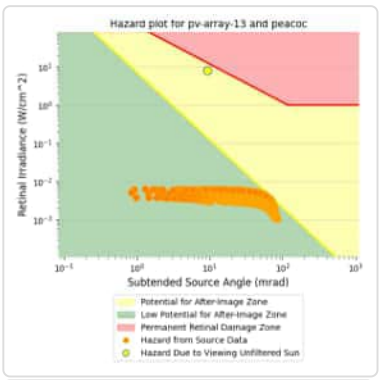
PV array 13: Peacocks Farm RWY 06

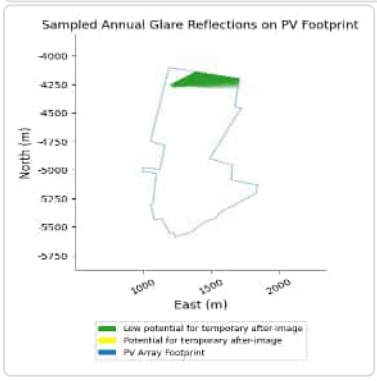
PV array is expected to produce the following glare for this receptor:

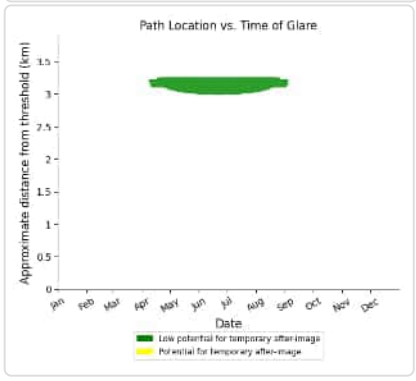
- 9,428 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

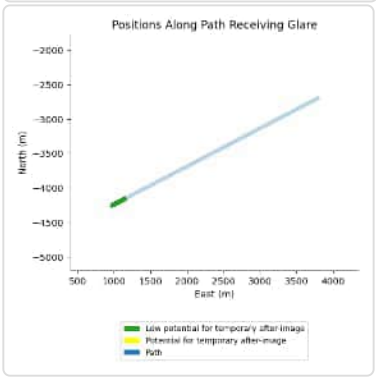












PV array 13: Peacocks Farm RWY 24

No glare found

PV array 13: RAF Waddington RWY 02

No glare found

PV array 13: RAF Waddington RWY 20

No glare found

PV array 13: South Hykeham RWY 10

No glare found

PV array 13: South Hykeham RWY 13

No glare found

PV array 13: South Hykeham RWY 28

No glare found

PV array 13: South Hykeham RWY 31

No glare found

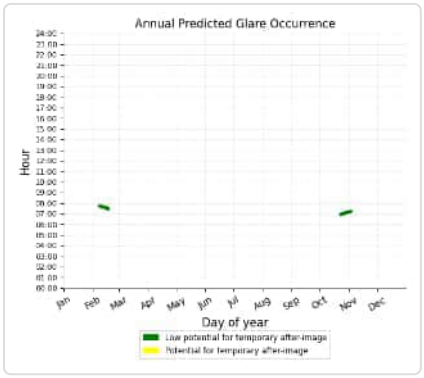
PV array 13: South Scarle RW 28

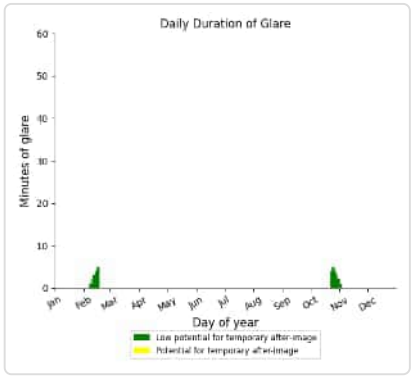
No glare found

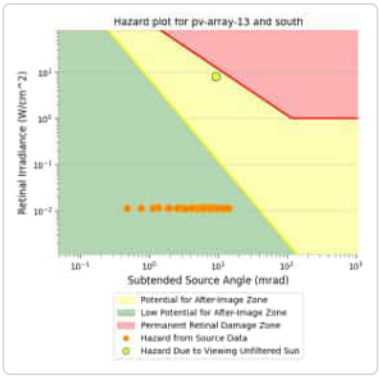
PV array 13: South Scarle RWY 10

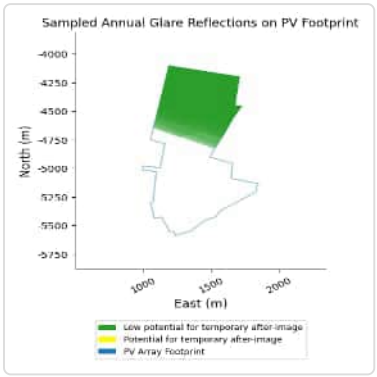
PV array is expected to produce the following glare for this receptor:

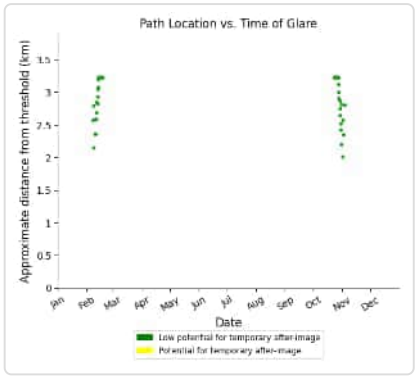
- 73 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

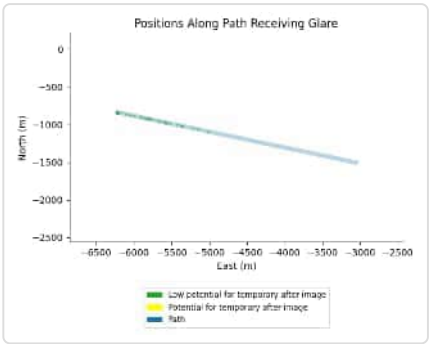












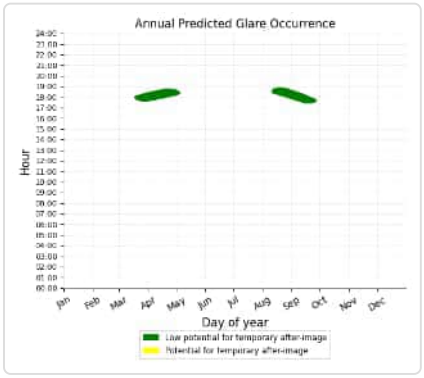
PV array 13: 1-ATCT

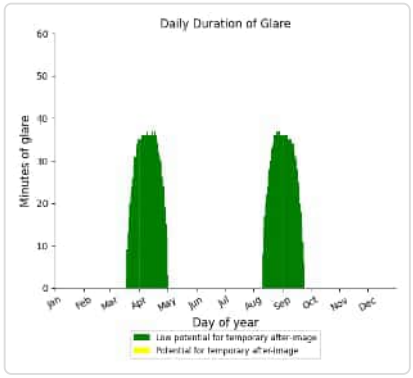
No glare found

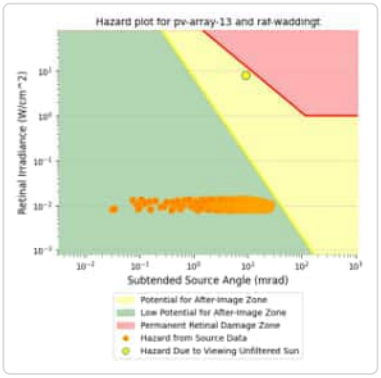
PV array 13: RAF Waddington Circuit Path East

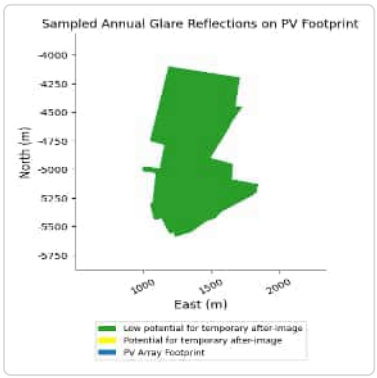
PV array is expected to produce the following glare for this receptor:

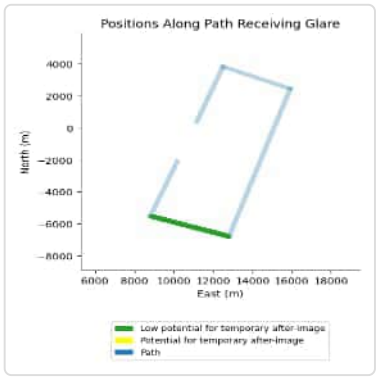
- 2,631 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







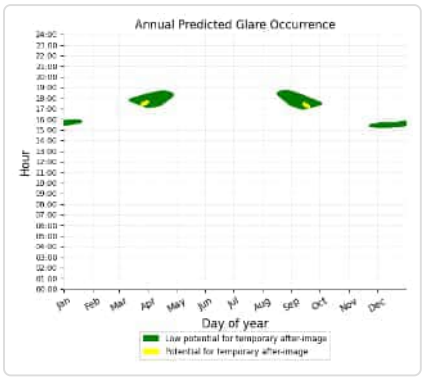


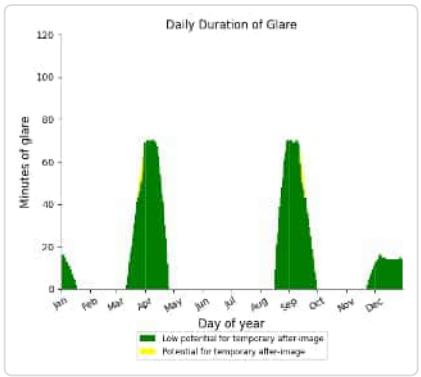


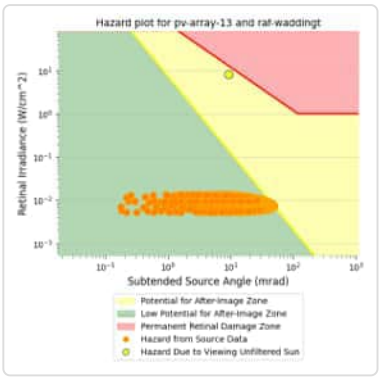
PV array 13: RAF Waddington Circuit Path West

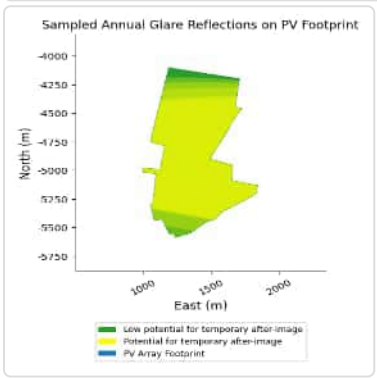
PV array is expected to produce the following glare for this receptor:

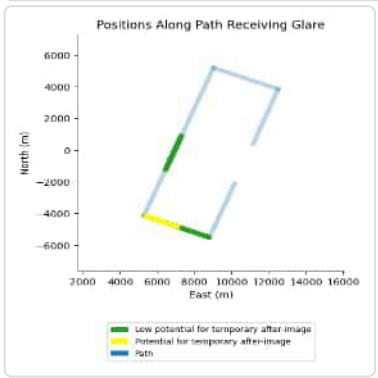
- 4,870 minutes of "green" glare with low potential to cause temporary after-image.
- 70 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 14 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0

FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	4357	1011
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	156	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	2271	0
Route: RAF Waddington Circuit Path West	6714	0

PV array 14: Blackmoor Farm RWY 06

No glare found

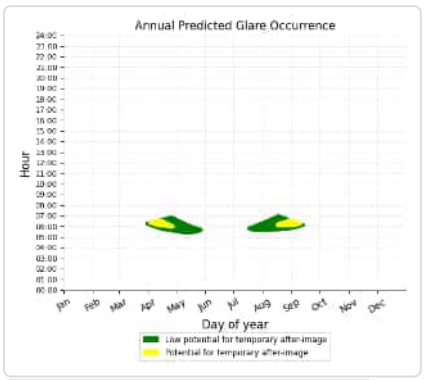
PV array 14: Blackmoor Farm RWY 24

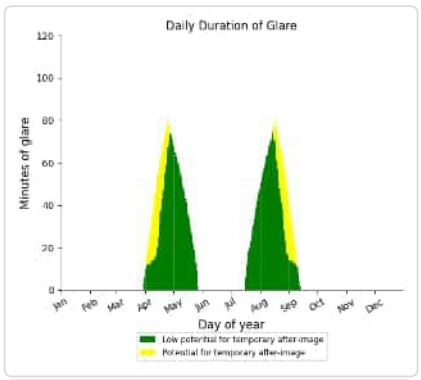
No glare found

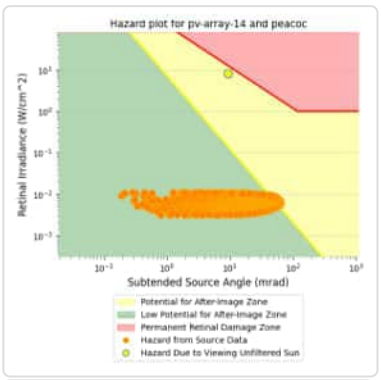
PV array 14: Peacocks Farm RWY 06

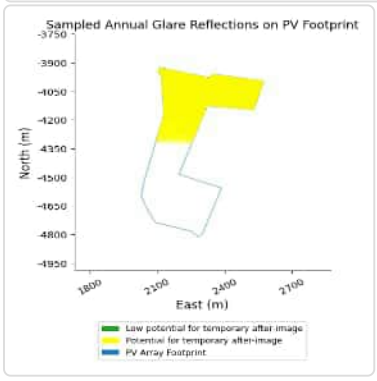
PV array is expected to produce the following glare for this receptor:

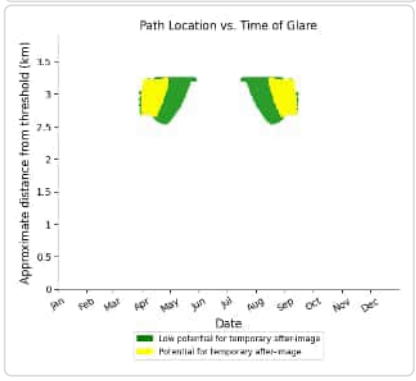
- 4,357 minutes of "green" glare with low potential to cause temporary after-image.
- 1,011 minutes of "yellow" glare with potential to cause temporary after-image.

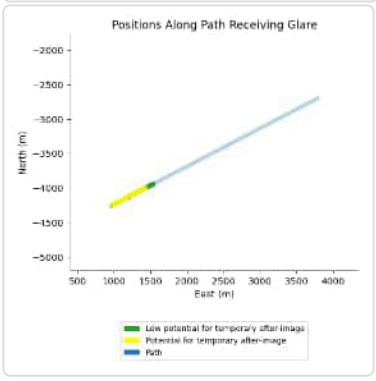












PV array 14: Peacocks Farm RWY 24

No glare found

PV array 14: RAF Waddington RWY 02

No glare found

PV array 14: RAF Waddington RWY 20

No glare found

PV array 14: South Hykeham RWY 10

No glare found

PV array 14: South Hykeham RWY 13

No glare found

PV array 14: South Hykeham RWY 28

No glare found

PV array 14: South Hykeham RWY 31

No glare found

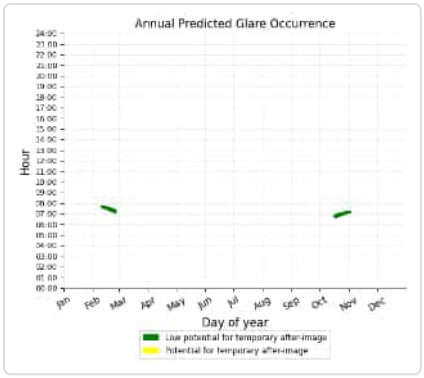
PV array 14: South Scarle RW 28

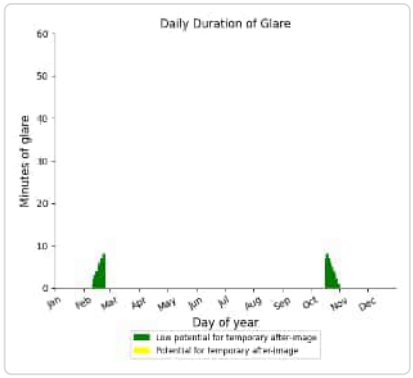
No glare found

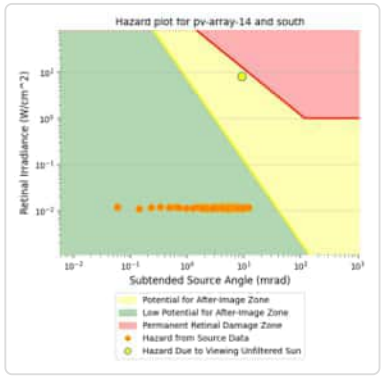
PV array 14: South Scarle RWY 10

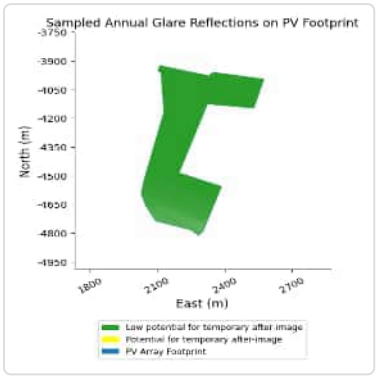
PV array is expected to produce the following glare for this receptor:

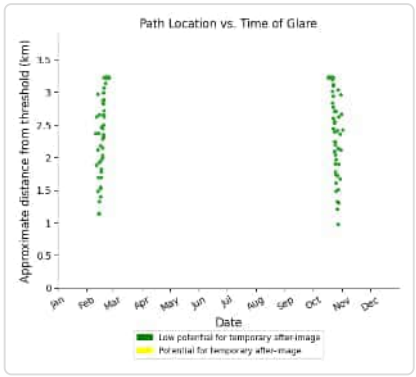
- 156 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

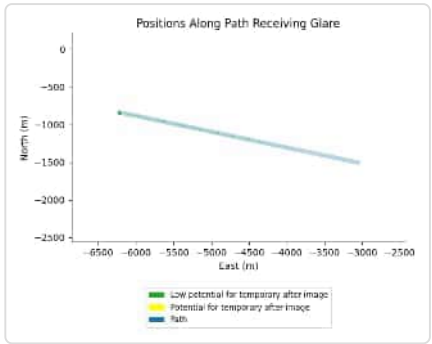












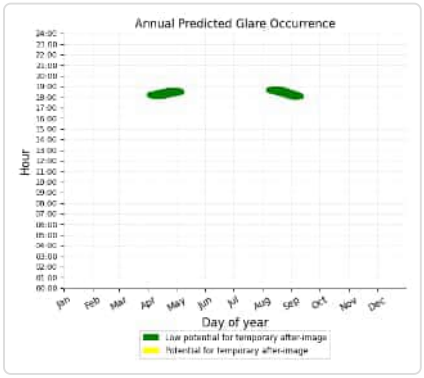
PV array 14: 1-ATCT

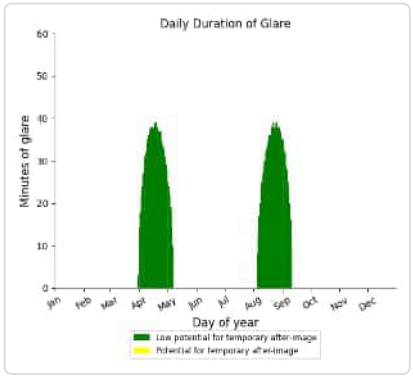
No glare found

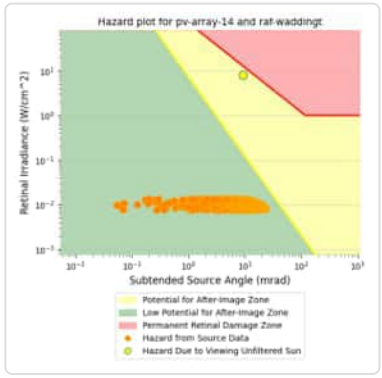
PV array 14: RAF Waddington Circuit Path East

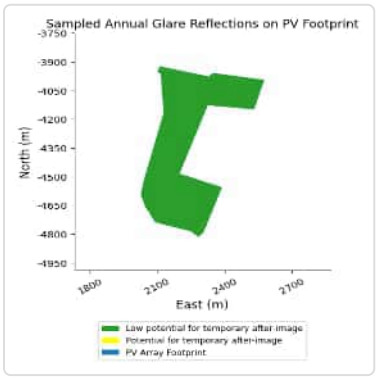
PV array is expected to produce the following glare for this receptor:

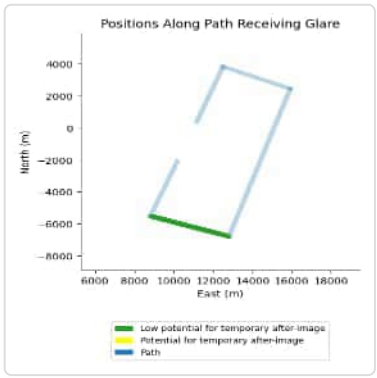
- 2,271 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







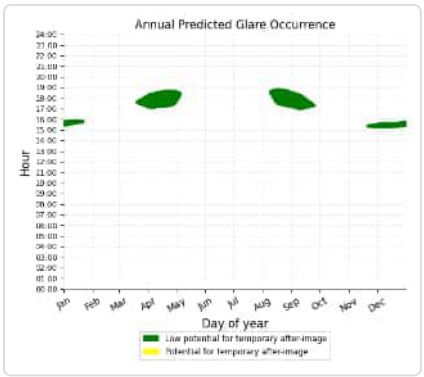


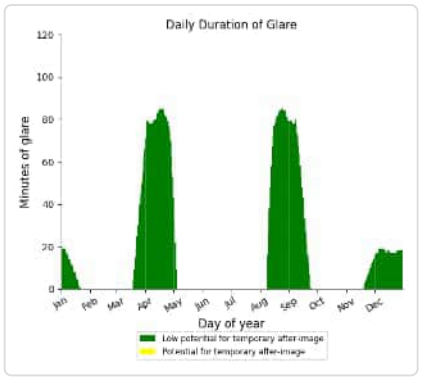


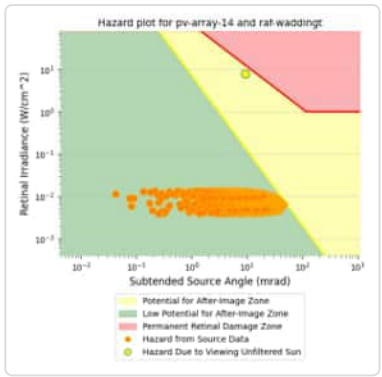
PV array 14: RAF Waddington Circuit Path West

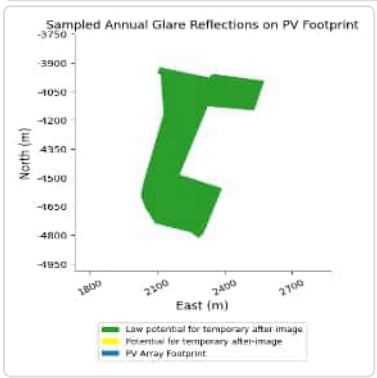
PV array is expected to produce the following glare for this receptor:

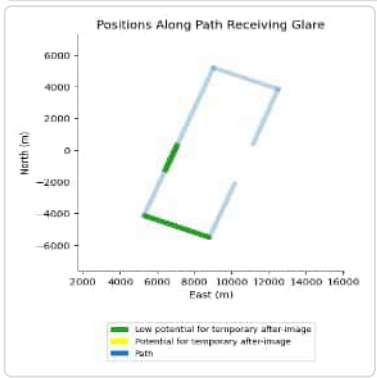
- 6,714 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 15 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0

FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	52	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	1978	0
Route: RAF Waddington Circuit Path West	4703	0

PV array 15: Blackmoor Farm RWY 06

No glare found

PV array 15: Blackmoor Farm RWY 24

No glare found

PV array 15: Peacocks Farm RWY 06

No glare found

PV array 15: Peacocks Farm RWY 24

No glare found

PV array 15: RAF Waddington RWY 02

No glare found

PV array 15: RAF Waddington RWY 20

No glare found

PV array 15: South Hykeham RWY 10

No glare found

PV array 15: South Hykeham RWY 13

No glare found

PV array 15: South Hykeham RWY 28

No glare found

PV array 15: South Hykeham RWY 31

No glare found

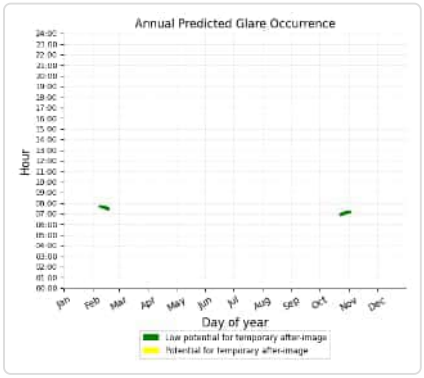
PV array 15: South Scarle RW 28

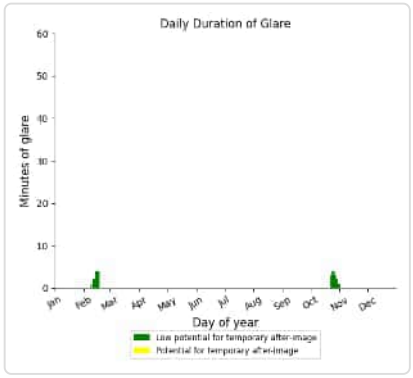
No glare found

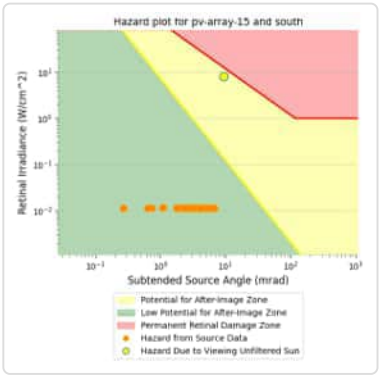
PV array 15: South Scarle RWY 10

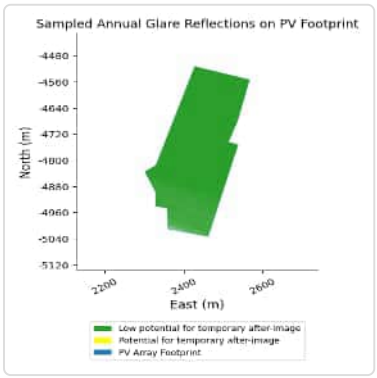
PV array is expected to produce the following glare for this receptor:

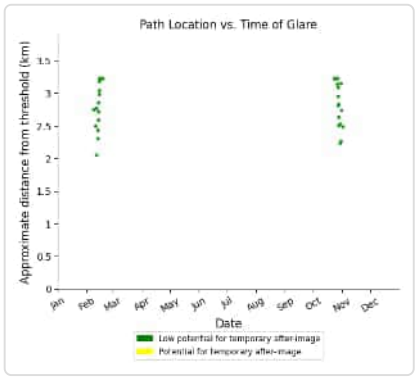
- 52 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

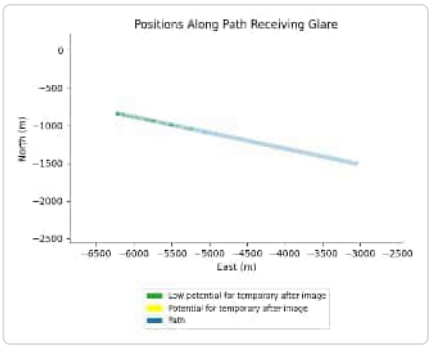












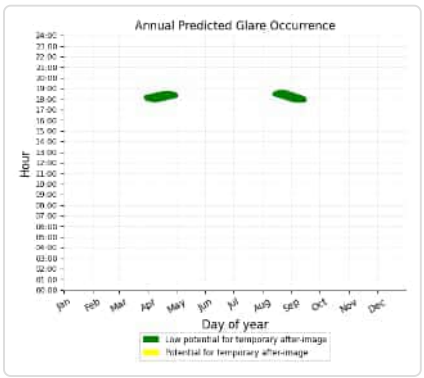
PV array 15: 1-ATCT

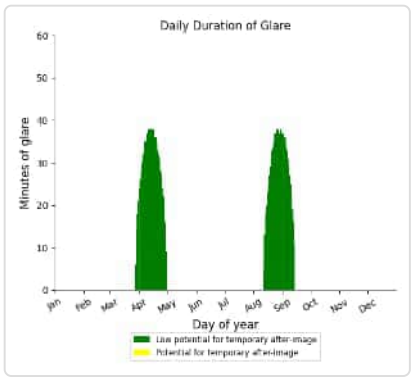
No glare found

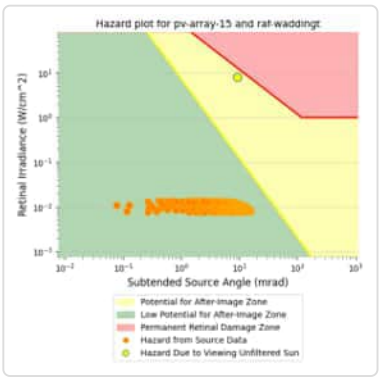
PV array 15: RAF Waddington Circuit Path East

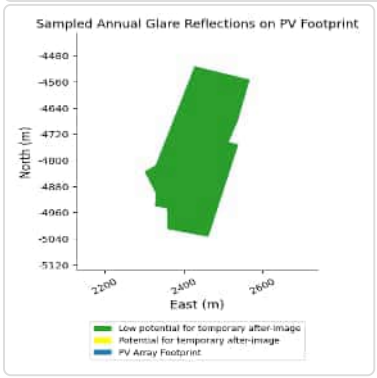
PV array is expected to produce the following glare for this receptor:

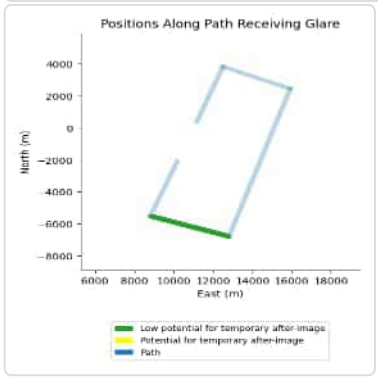
- 1,978 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







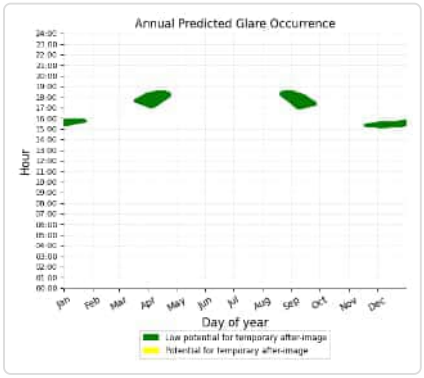


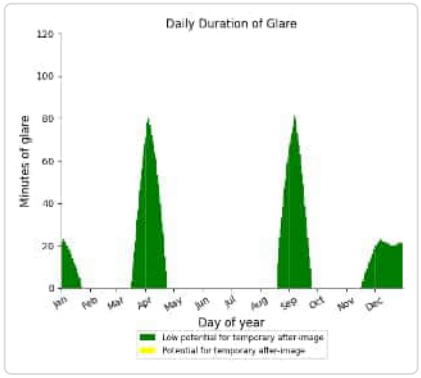


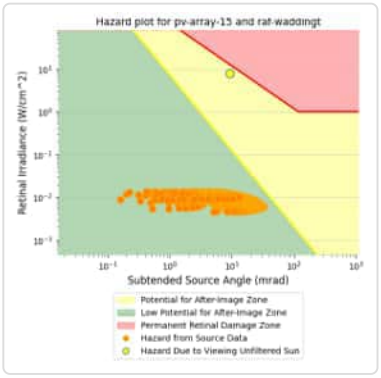
PV array 15: RAF Waddington Circuit Path West

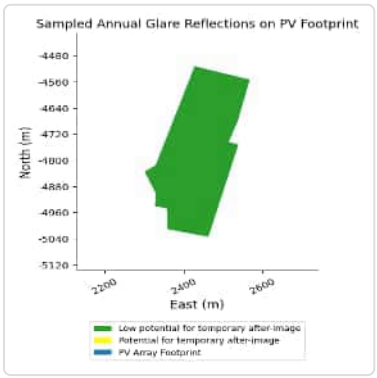
PV array is expected to produce the following glare for this receptor:

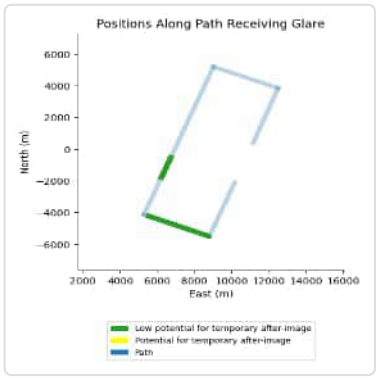
- 4,703 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 2 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	152	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	2008	0
FP: South Hykeham RWY 31	2832	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	1178	0
OP: 1-ATCT	832	0
Route: RAF Waddington Circuit Path East	2153	0
Route: RAF Waddington Circuit Path West	71	0

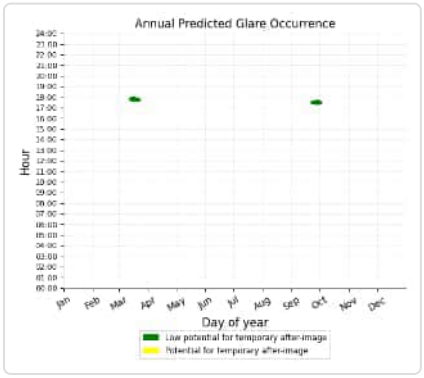
PV array 2: Blackmoor Farm RWY 06

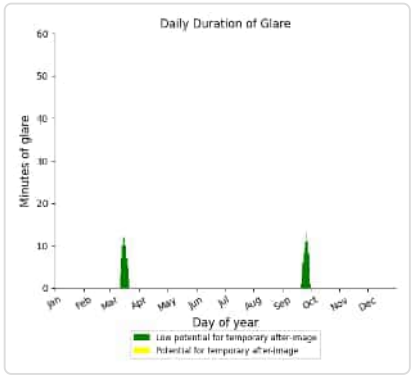
No glare found

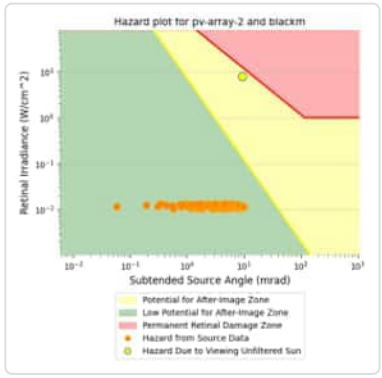
PV array 2: Blackmoor Farm RWY 24

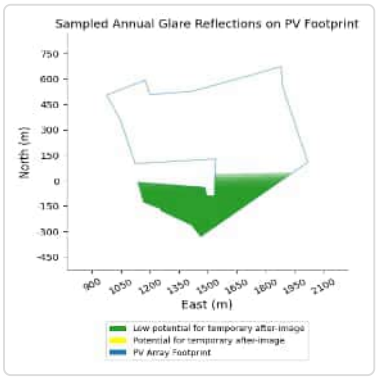
PV array is expected to produce the following glare for this receptor:

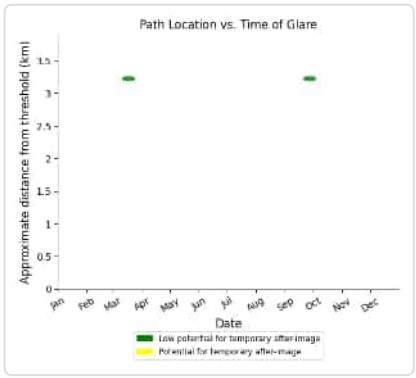
- 152 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

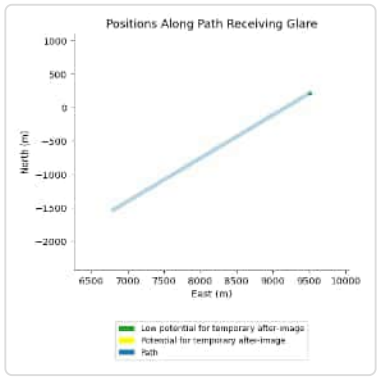












PV array 2: Peacocks Farm RWY 06

No glare found

PV array 2: Peacocks Farm RWY 24

No glare found

PV array 2: RAF Waddington RWY 02

No glare found

PV array 2: RAF Waddington RWY 20

No glare found

PV array 2: South Hykeham RWY 10

No glare found

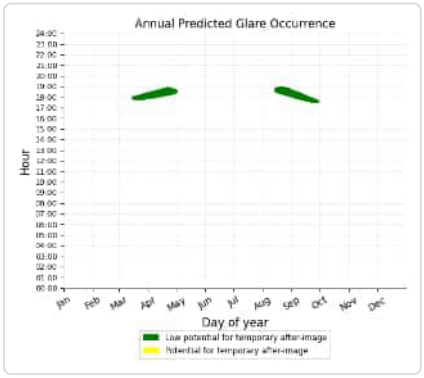
PV array 2: South Hykeham RWY 13

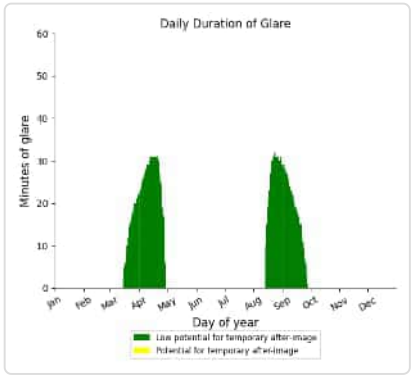
No glare found

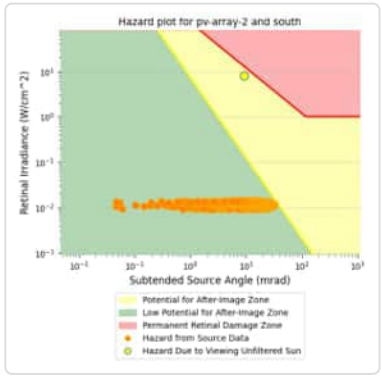
PV array 2: South Hykeham RWY 28

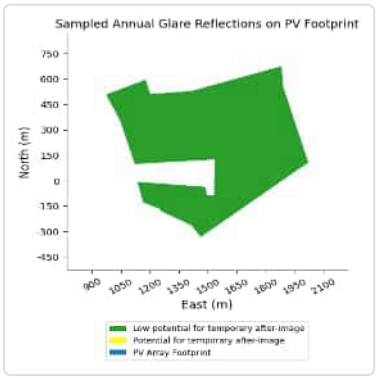
PV array is expected to produce the following glare for this receptor:

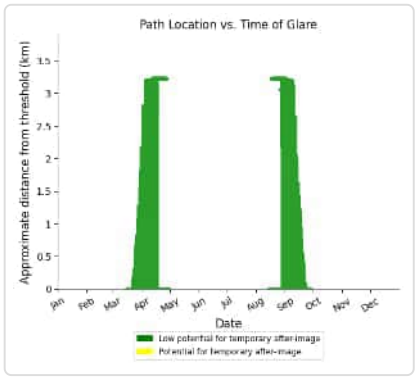
- 2,008 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

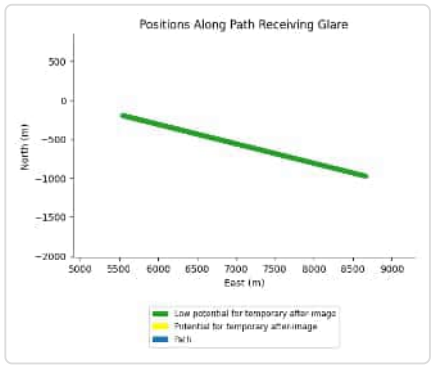








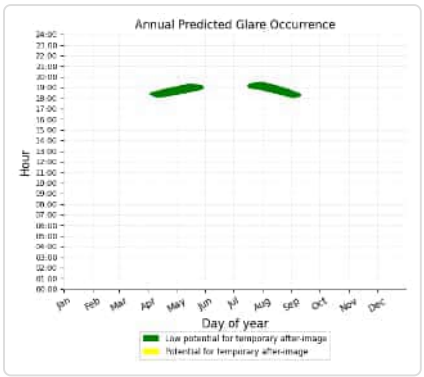


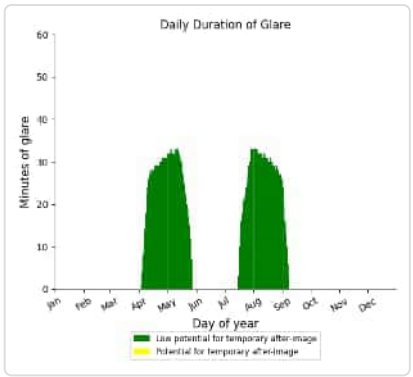


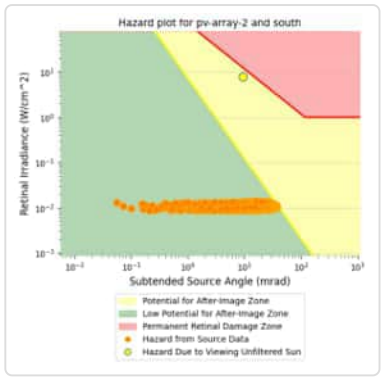
PV array 2: South Hykeham RWY 31

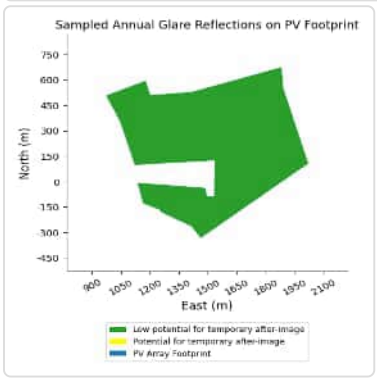
PV array is expected to produce the following glare for this receptor:

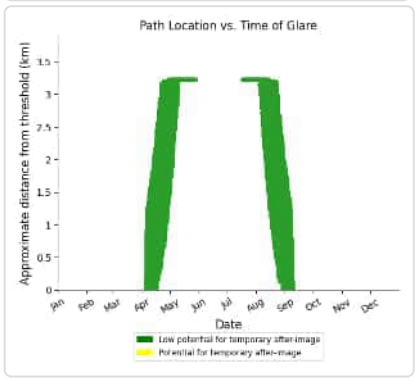
- 2,832 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

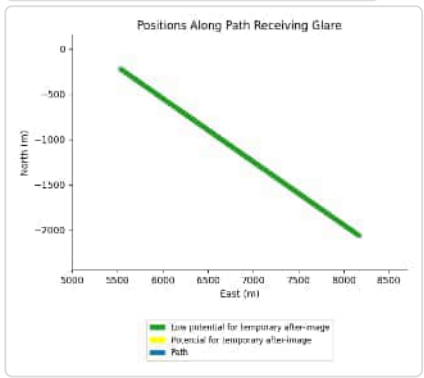












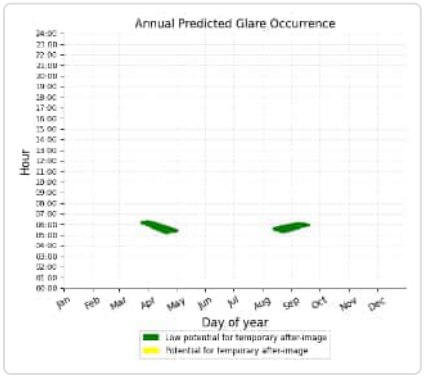
PV array 2: South Scarle RW 28

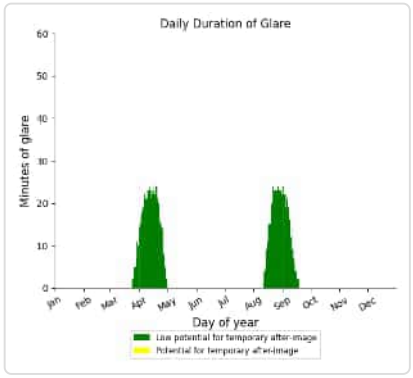
No glare found

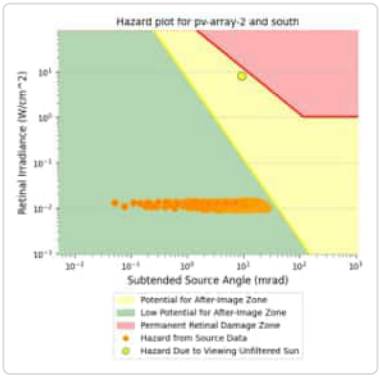
PV array 2: South Scarle RWY 10

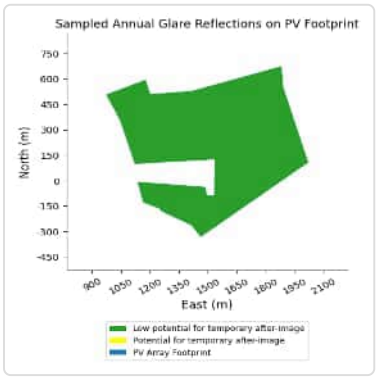
PV array is expected to produce the following glare for this receptor:

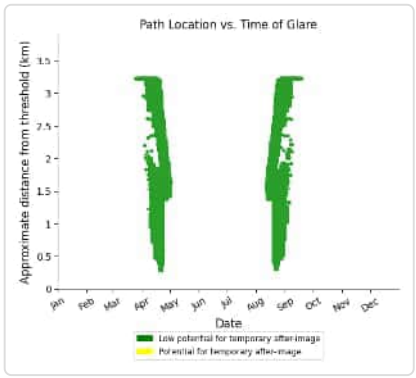
- 1,178 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

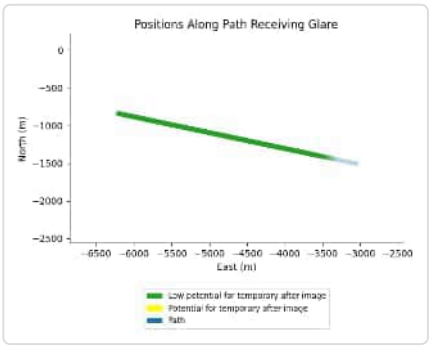








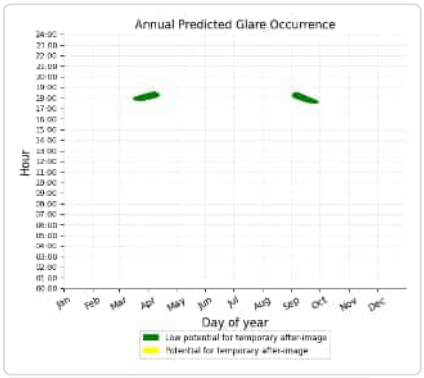


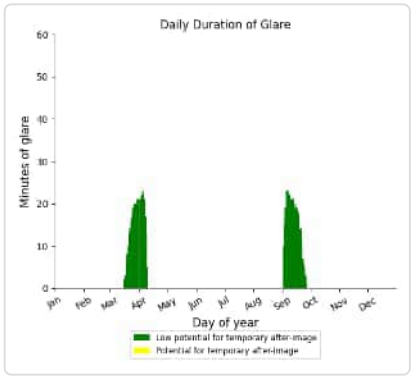


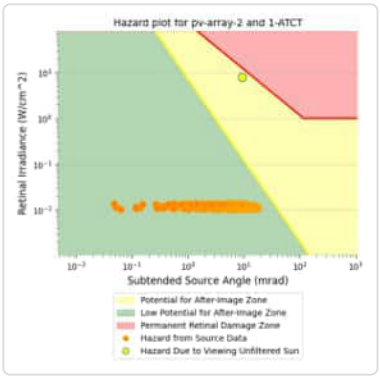
PV array 2: 1-ATCT

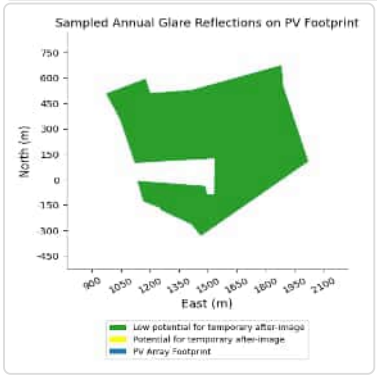
PV array is expected to produce the following glare for this receptor:

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





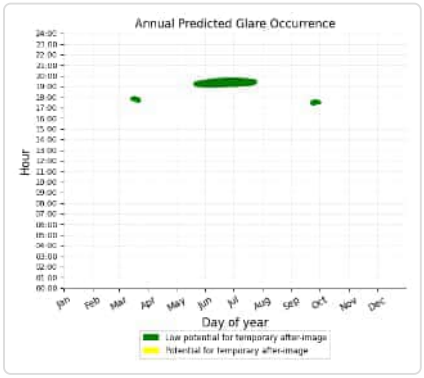


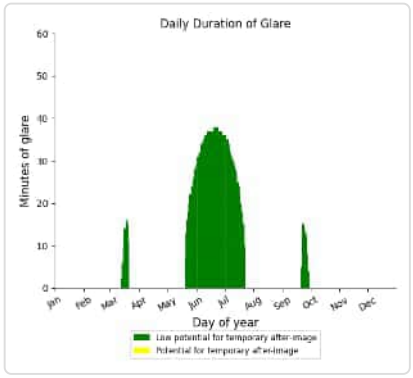


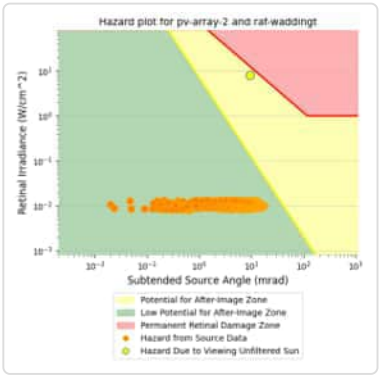
PV array 2: RAF Waddington Circuit Path East

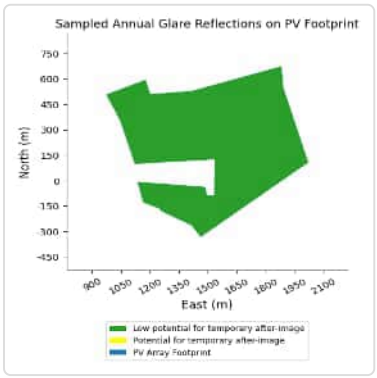
PV array is expected to produce the following glare for this receptor:

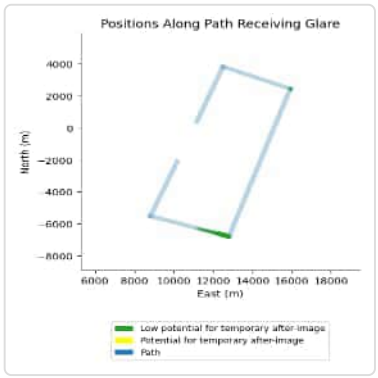
- 2,153 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







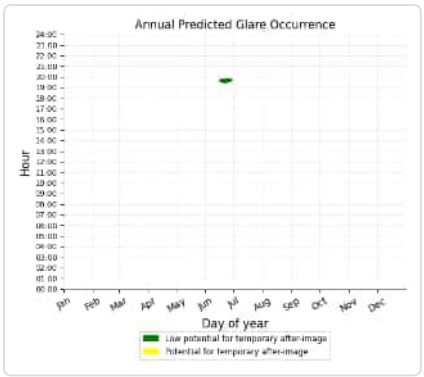


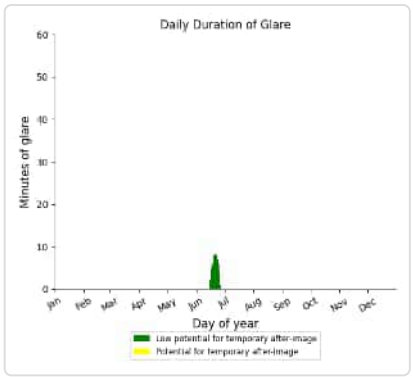


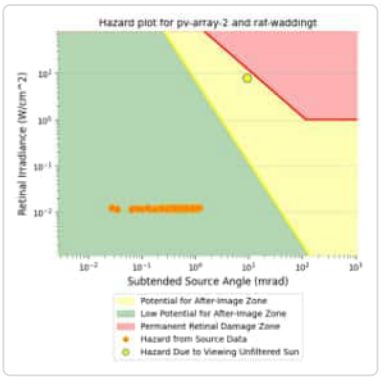
PV array 2: RAF Waddington Circuit Path West

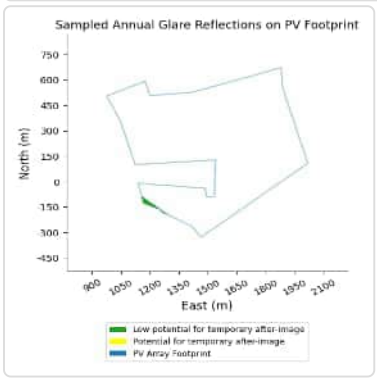
PV array is expected to produce the following glare for this receptor:

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









PV array 3 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0

FP: Blackmoor Farm RWY 24	616	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	780	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	1335	0
FP: South Hykeham RWY 31	843	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	1778	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	3170	0
Route: RAF Waddington Circuit Path West	2908	0

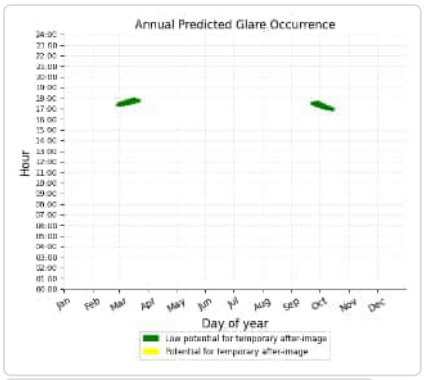
PV array 3: Blackmoor Farm RWY 06

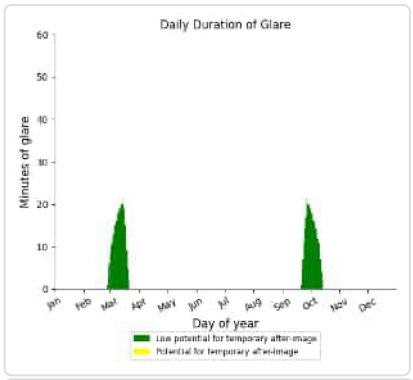
No glare found

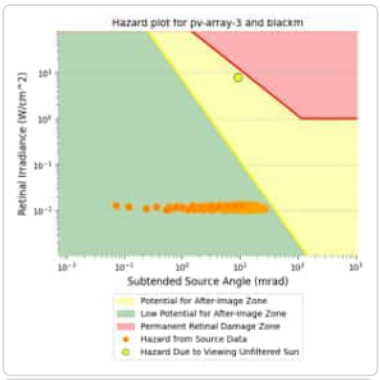
PV array 3: Blackmoor Farm RWY 24

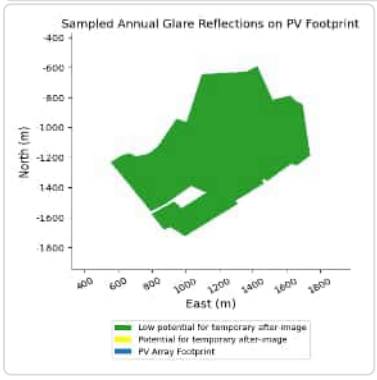
PV array is expected to produce the following glare for this receptor:

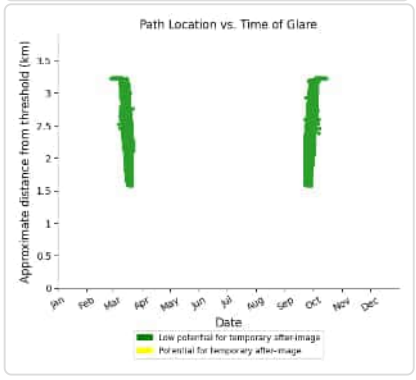
- 616 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

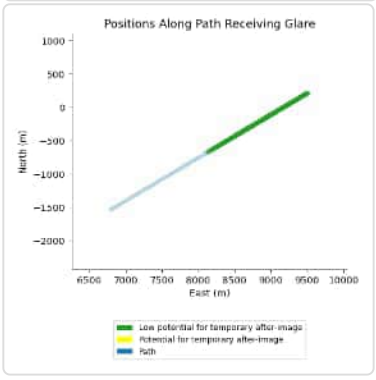












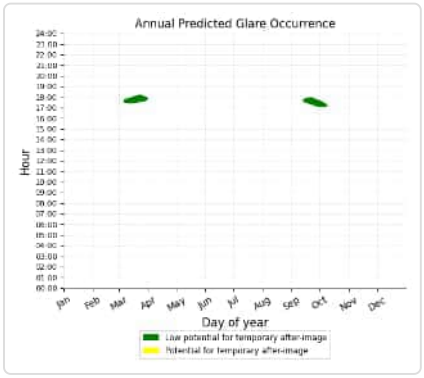
PV array 3: Peacocks Farm RWY 06

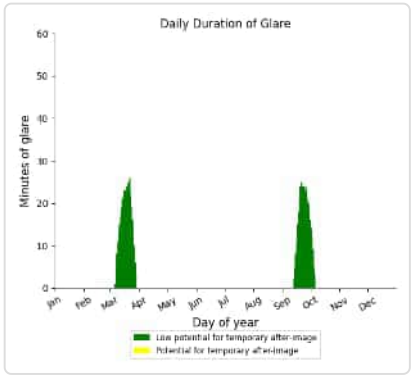
No glare found

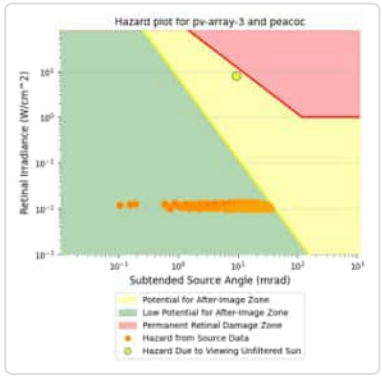
PV array 3: Peacocks Farm RWY 24

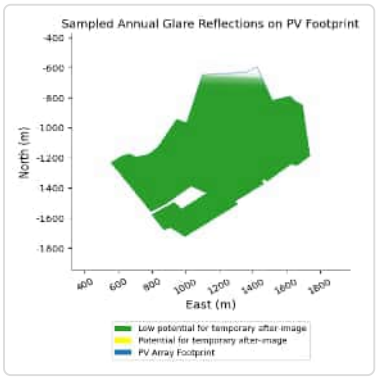
PV array is expected to produce the following glare for this receptor:

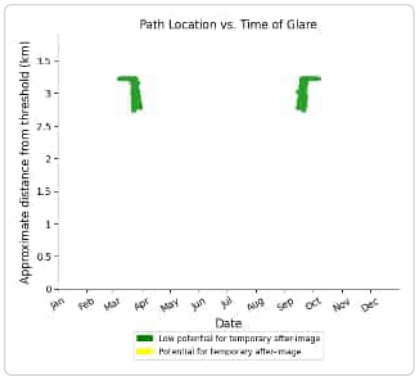
- 780 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

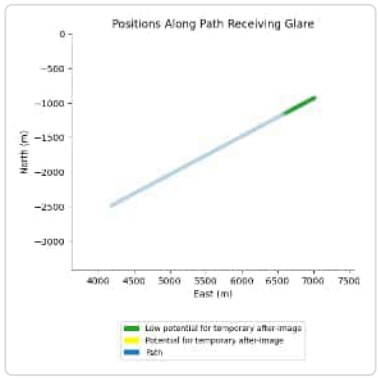












PV array 3: RAF Waddington RWY 02

No glare found

PV array 3: RAF Waddington RWY 20

No glare found

PV array 3: South Hykeham RWY 10

No glare found

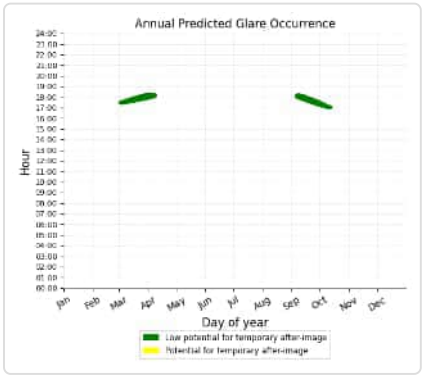
PV array 3: South Hykeham RWY 13

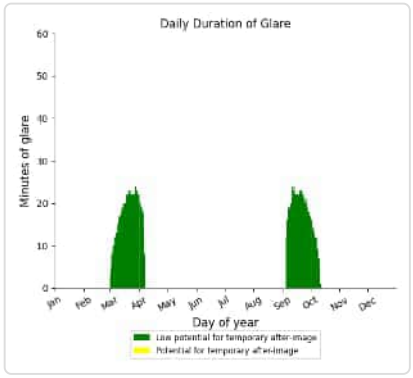
No glare found

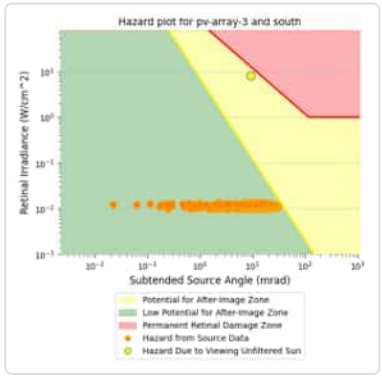
PV array 3: South Hykeham RWY 28

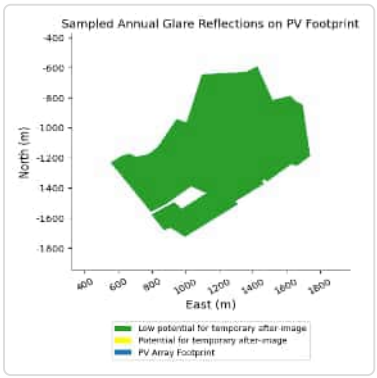
PV array is expected to produce the following glare for this receptor:

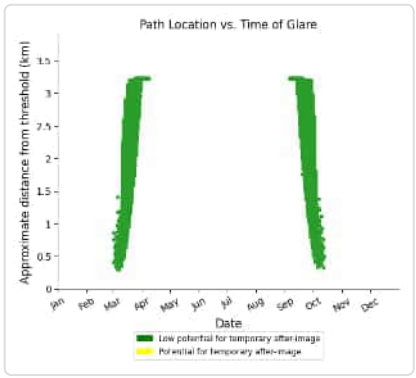
- 1,335 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

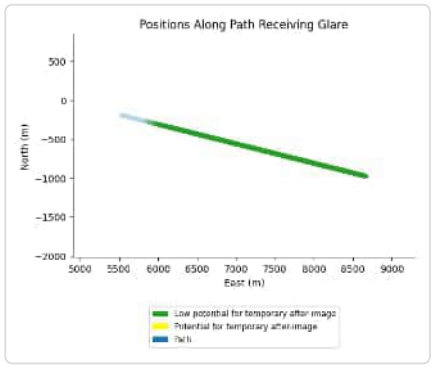








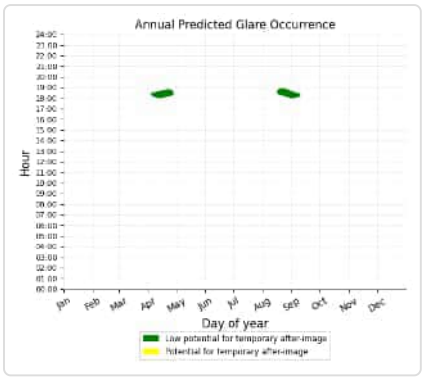


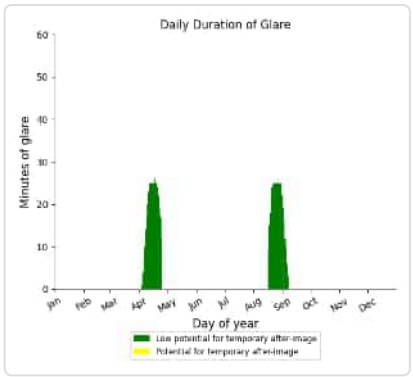


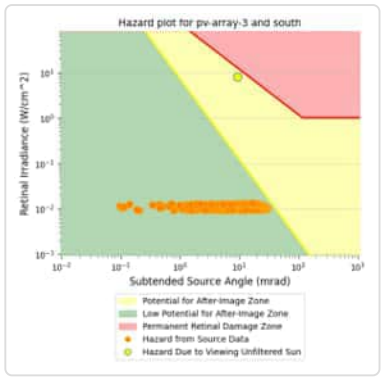
PV array 3: South Hykeham RWY 31

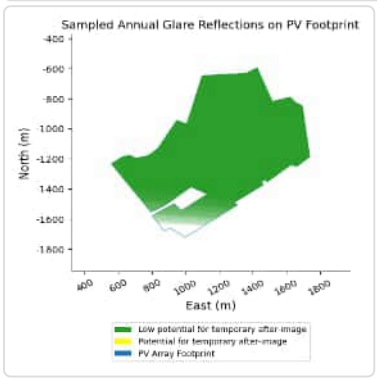
PV array is expected to produce the following glare for this receptor:

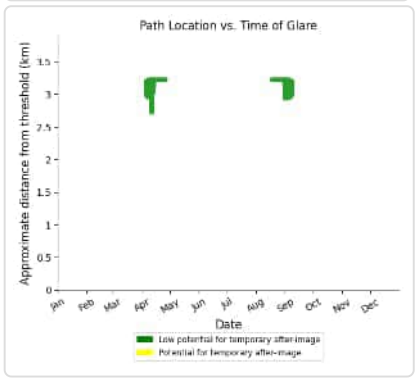
- 843 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

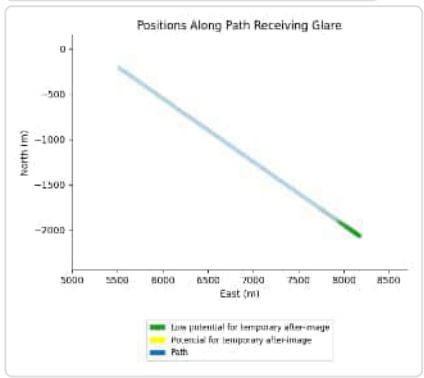












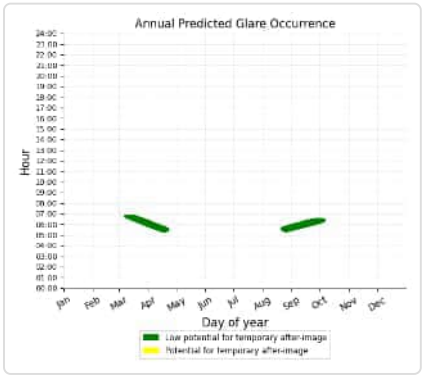
PV array 3: South Scarle RW 28

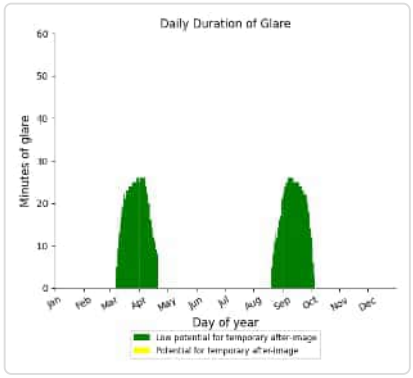
No glare found

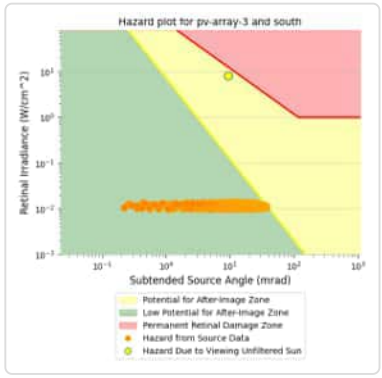
PV array 3: South Scarle RWY 10

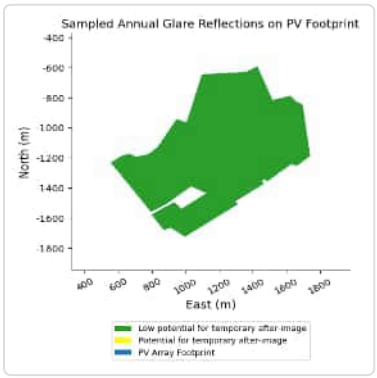
PV array is expected to produce the following glare for this receptor:

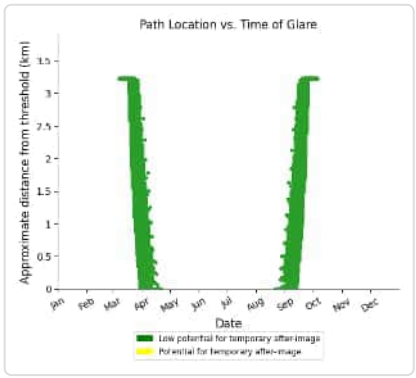
- 1,778 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

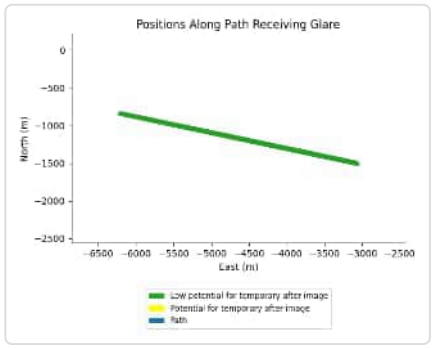












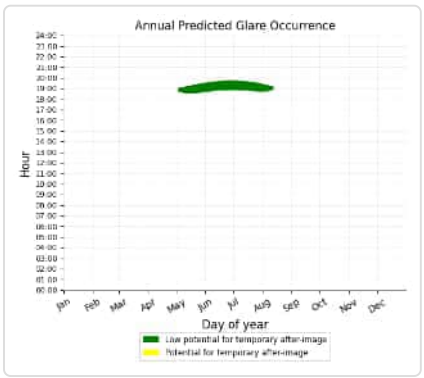
PV array 3: 1-ATCT

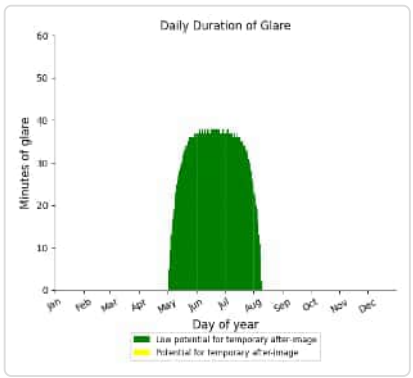
No glare found

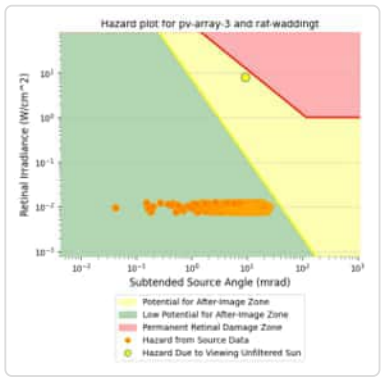
PV array 3: RAF Waddington Circuit Path East

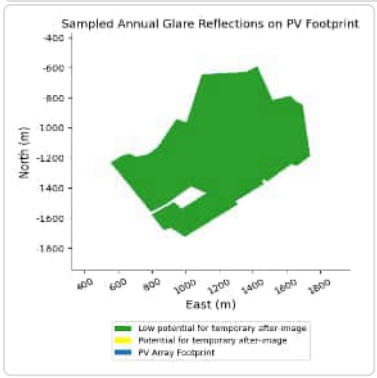
PV array is expected to produce the following glare for this receptor:

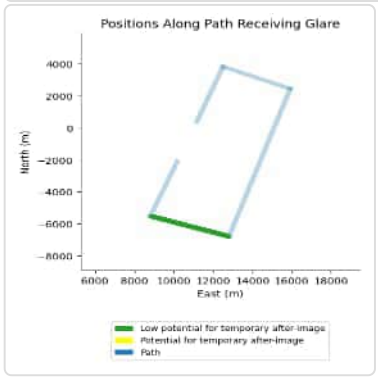
- 3,170 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







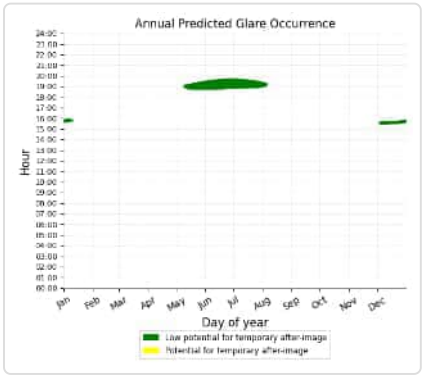


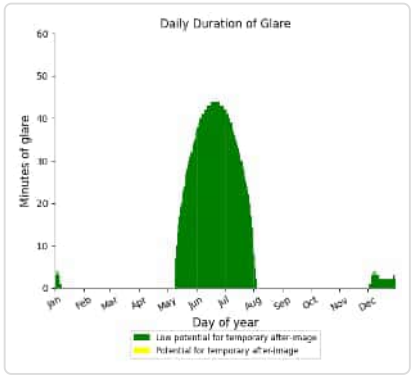


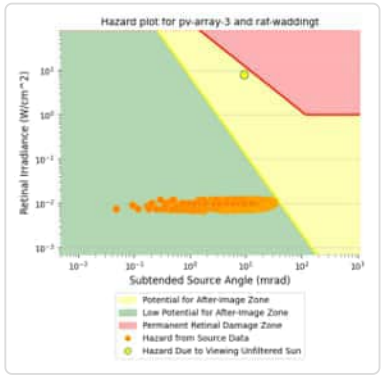
PV array 3: RAF Waddington Circuit Path West

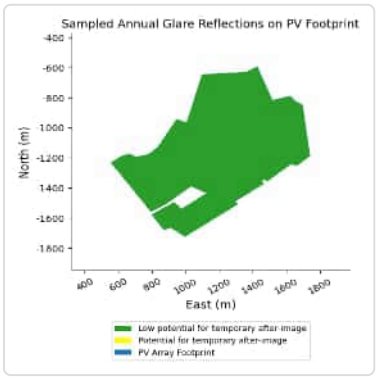
PV array is expected to produce the following glare for this receptor:

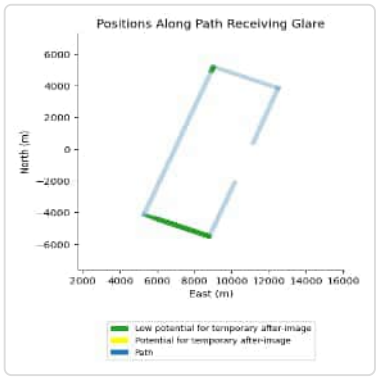
- 2,908 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 4 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	533	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	452	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	283	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	1791	229
FP: South Hykeham RWY 31	1854	188
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	1512	0
OP: 1-ATCT	557	0
Route: RAF Waddington Circuit Path East	2470	0
Route: RAF Waddington Circuit Path West	1222	0

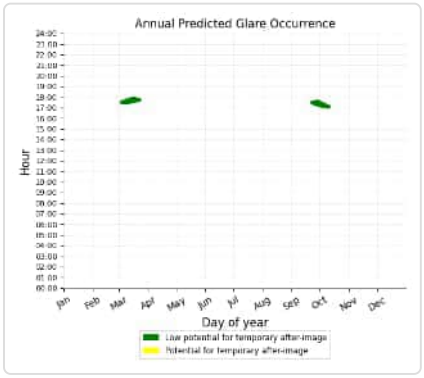
PV array 4: Blackmoor Farm RWY 06

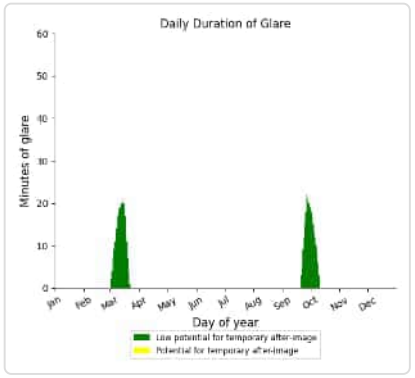
No glare found

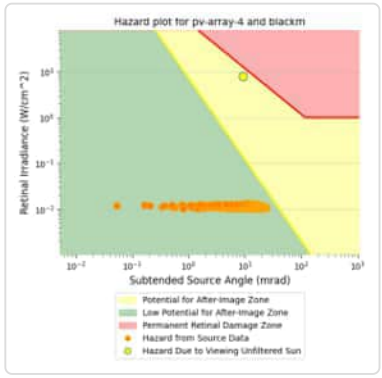
PV array 4: Blackmoor Farm RWY 24

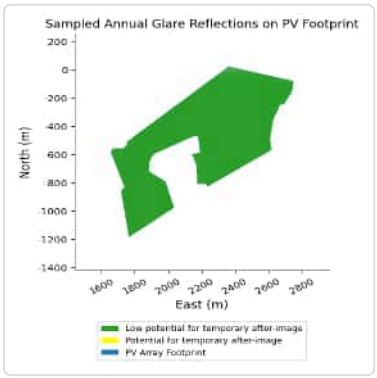
PV array is expected to produce the following glare for this receptor:

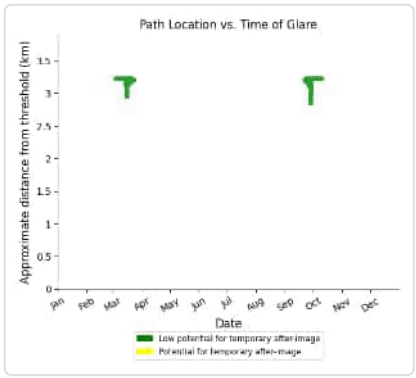
- 533 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

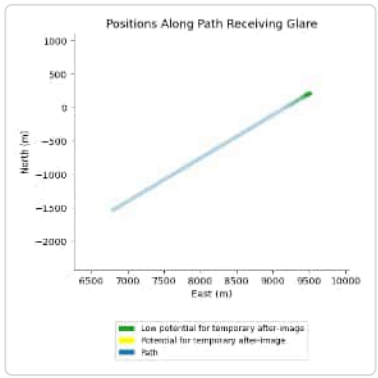












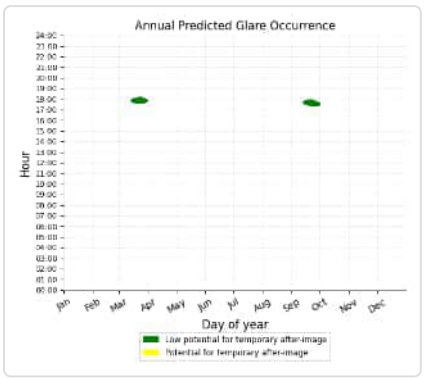
PV array 4: Peacocks Farm RWY 06

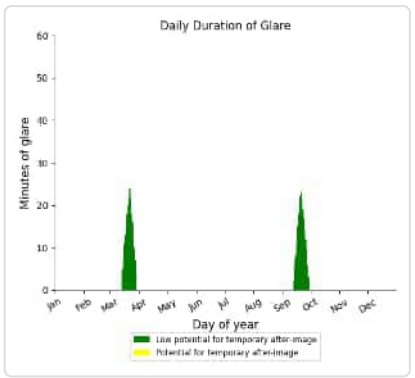
No glare found

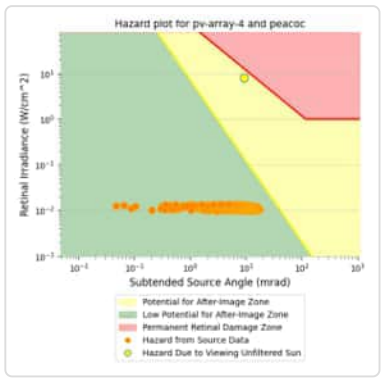
PV array 4: Peacocks Farm RWY 24

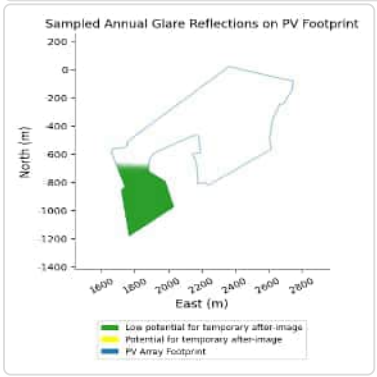
PV array is expected to produce the following glare for this receptor:

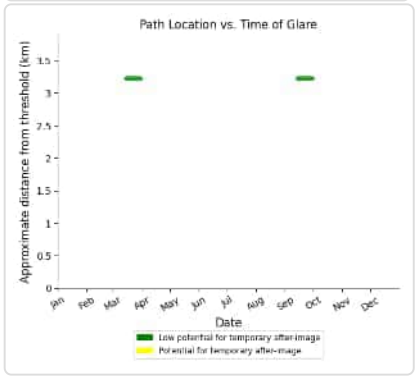
- 452 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

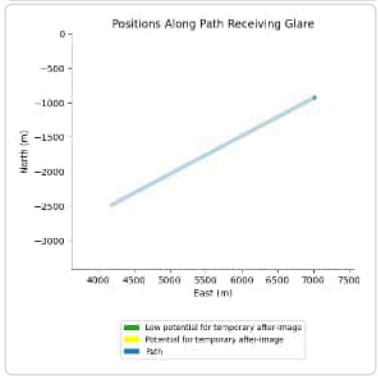












PV array 4: RAF Waddington RWY 02

No glare found

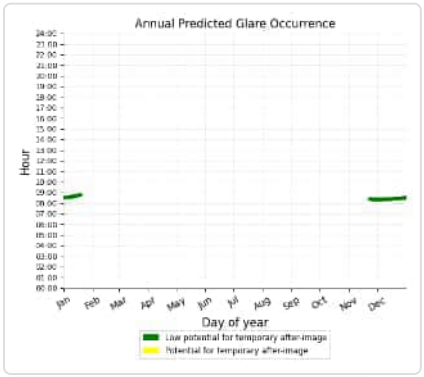
PV array 4: RAF Waddington RWY 20

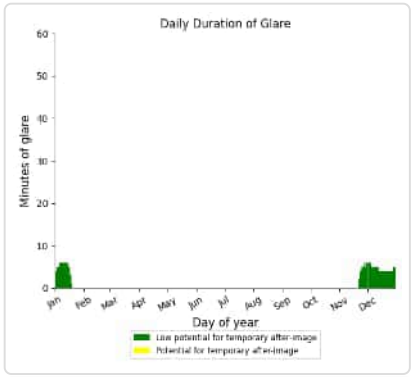
No glare found

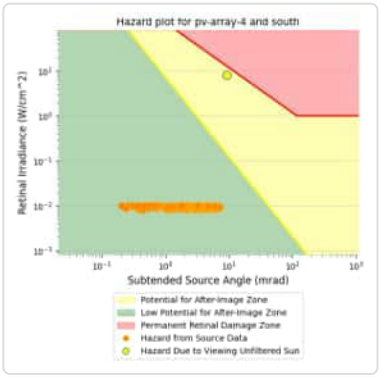
PV array 4: South Hykeham RWY 10

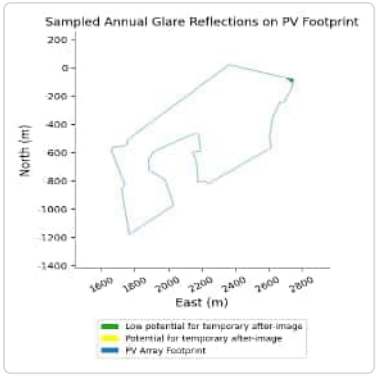
PV array is expected to produce the following glare for this receptor:

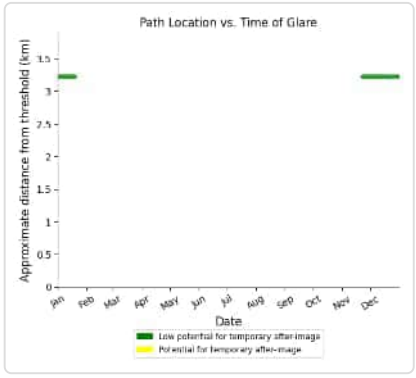
- 283 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

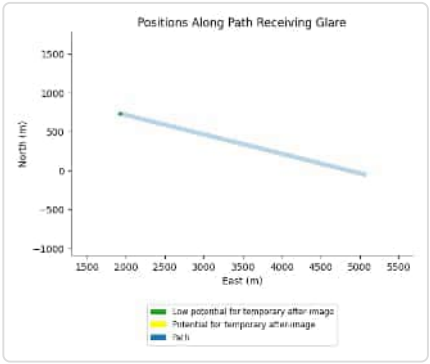












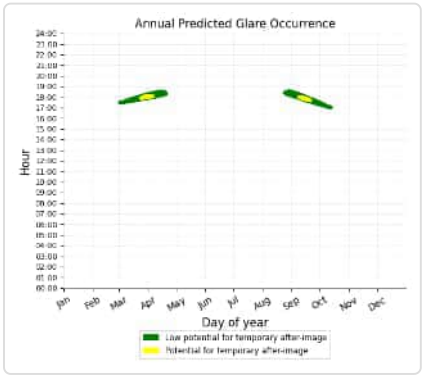
PV array 4: South Hykeham RWY 13

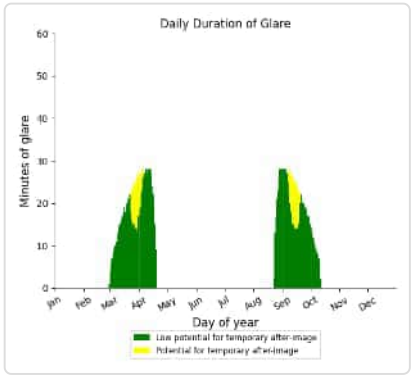
No glare found

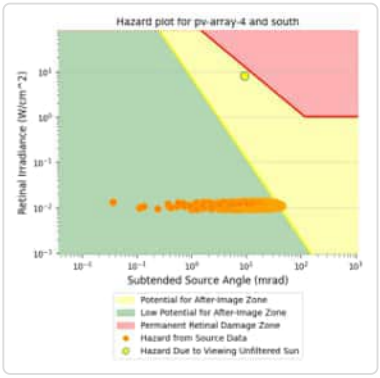
PV array 4: South Hykeham RWY 28

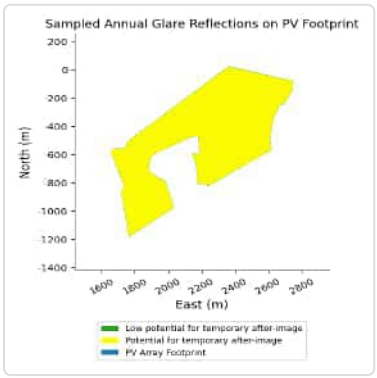
PV array is expected to produce the following glare for this receptor:

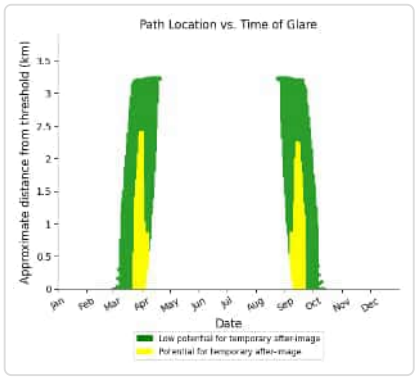
- 1,791 minutes of "green" glare with low potential to cause temporary after-image.
- 229 minutes of "yellow" glare with potential to cause temporary after-image.

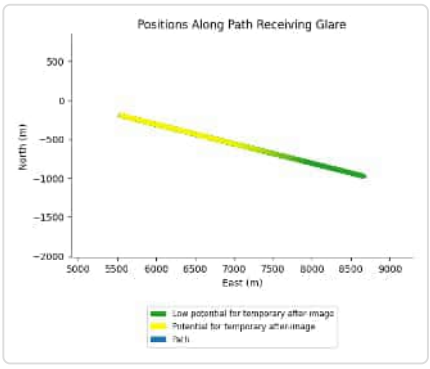








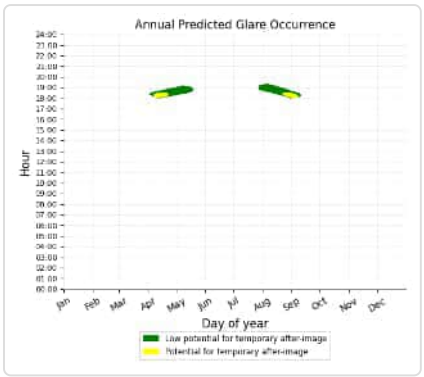


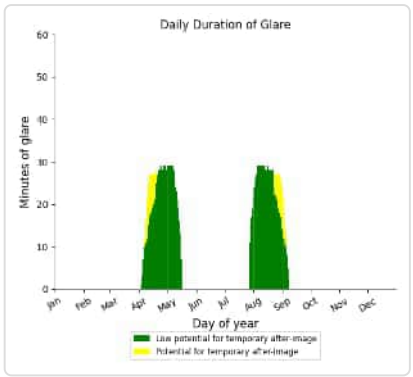


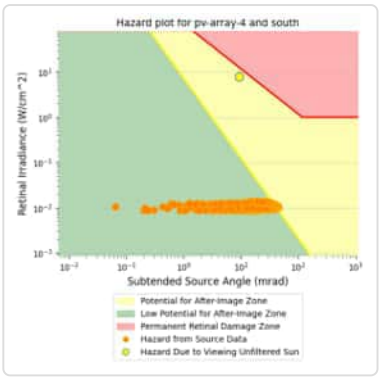
PV array 4: South Hykeham RWY 31

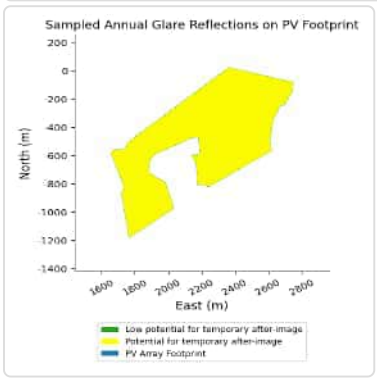
PV array is expected to produce the following glare for this receptor:

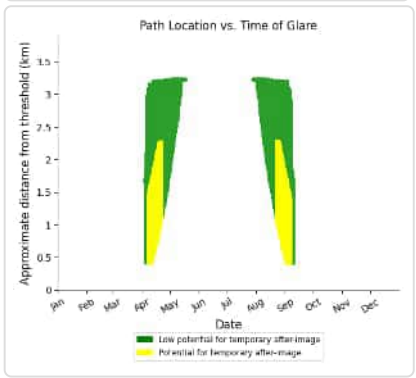
- 1,854 minutes of "green" glare with low potential to cause temporary after-image.
- 188 minutes of "yellow" glare with potential to cause temporary after-image.

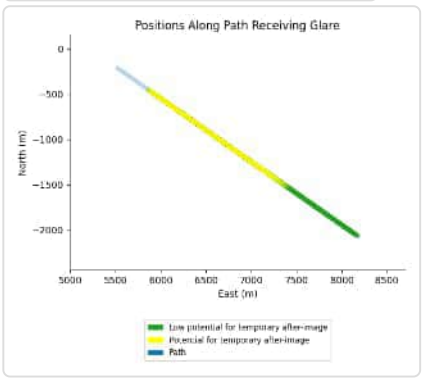












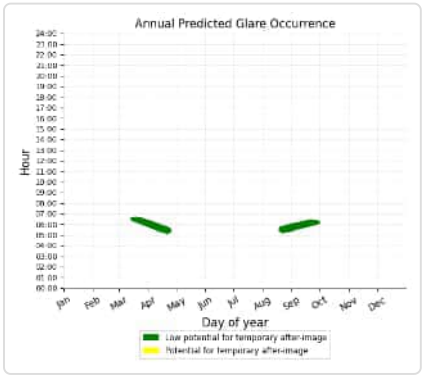
PV array 4: South Scarle RW 28

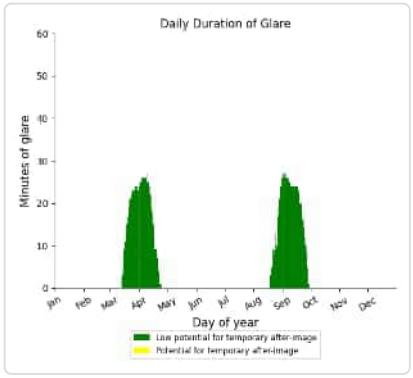
No glare found

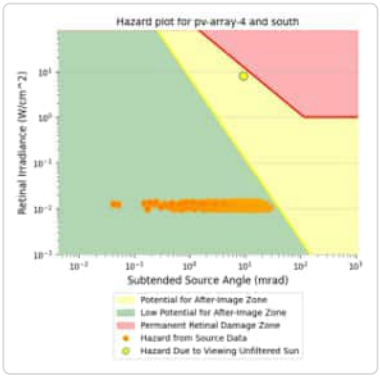
PV array 4: South Scarle RWY 10

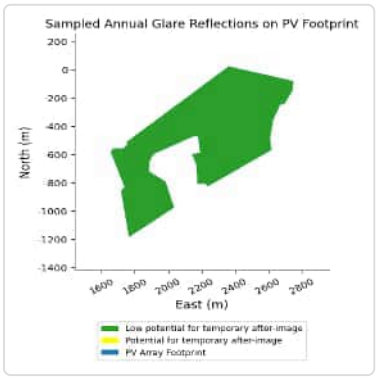
PV array is expected to produce the following glare for this receptor:

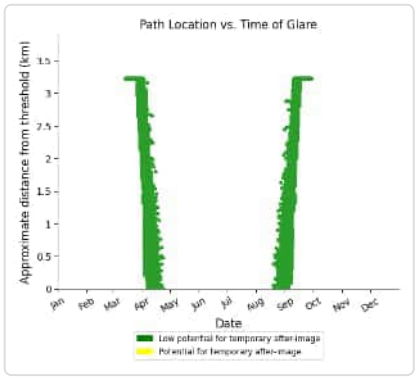
- 1,512 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

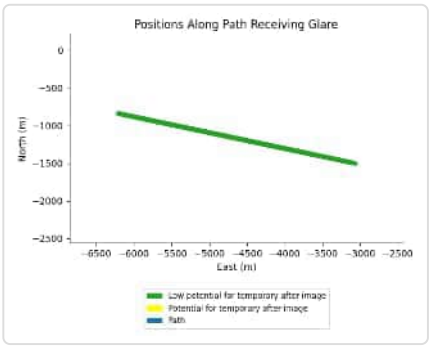








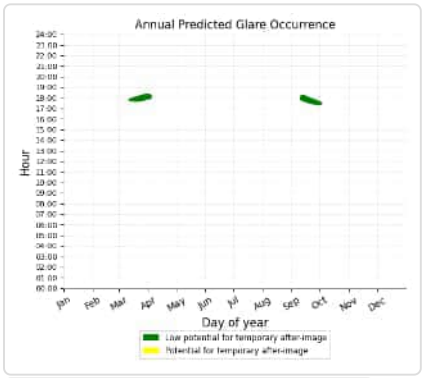


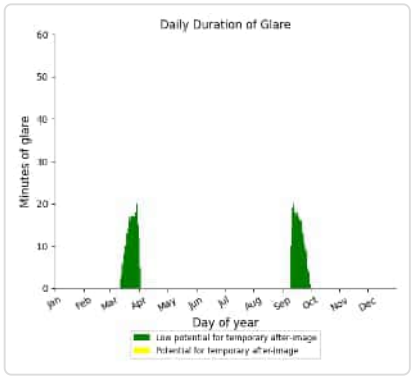


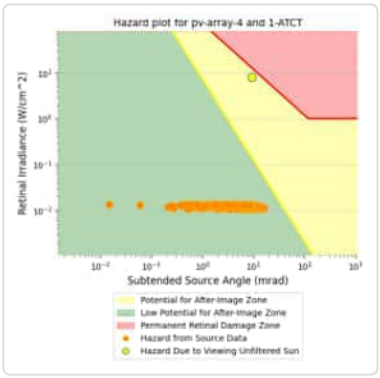
PV array 4: 1-ATCT

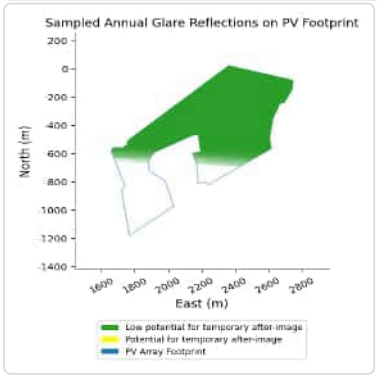
PV array is expected to produce the following glare for this receptor:

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





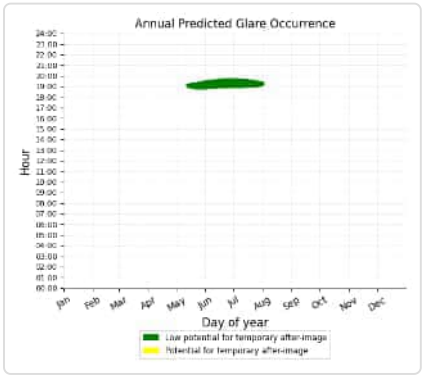


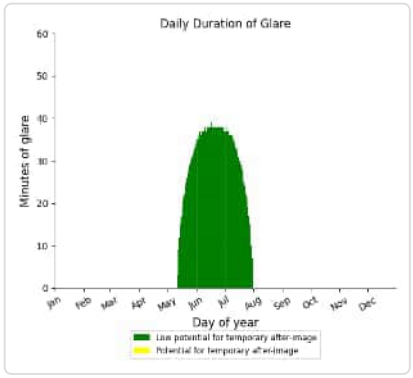


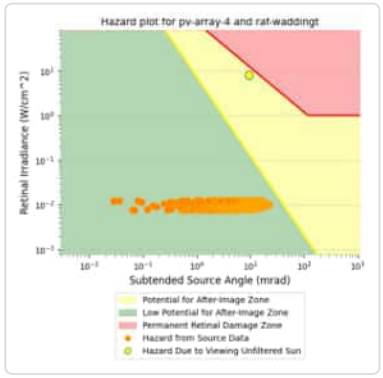
PV array 4: RAF Waddington Circuit Path East

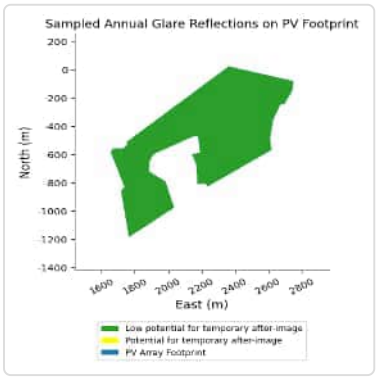
PV array is expected to produce the following glare for this receptor:

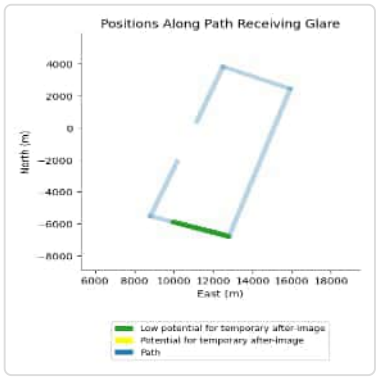
- 2,470 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







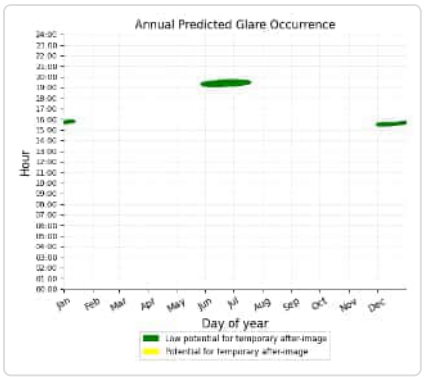


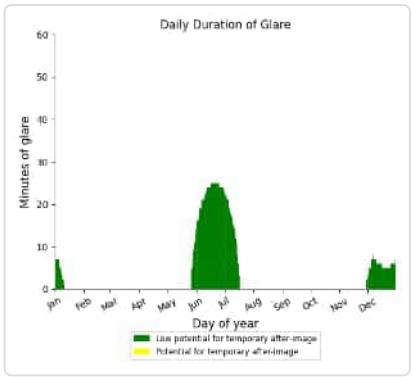


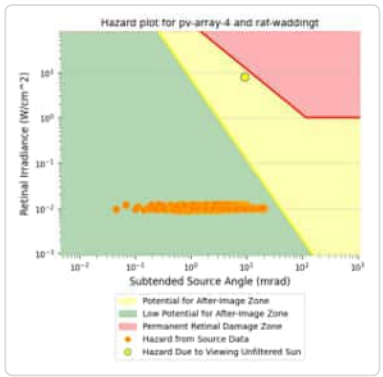
PV array 4: RAF Waddington Circuit Path West

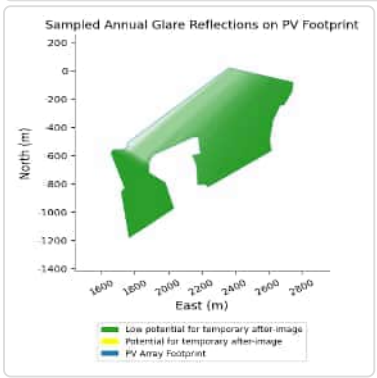
PV array is expected to produce the following glare for this receptor:

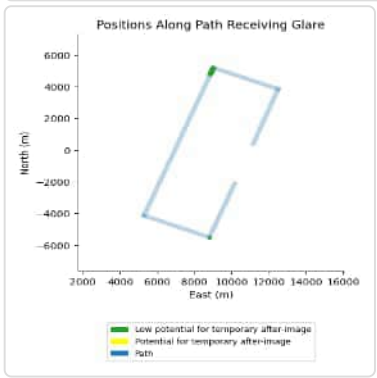
- 1,222 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 6 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0

FP: Blackmoor Farm RWY 24	782	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	1059	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	1610	0
FP: South Hykeham RWY 31	1214	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	1091	0
OP: 1-ATCT	103	0
Route: RAF Waddington Circuit Path East	2308	0
Route: RAF Waddington Circuit Path West	766	0

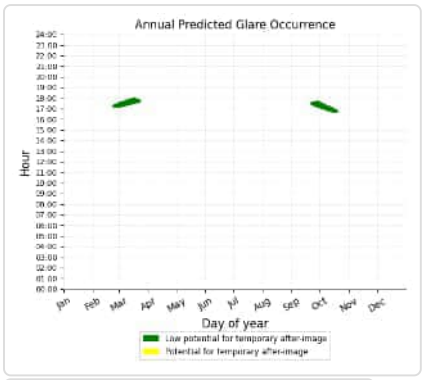
PV array 6: Blackmoor Farm RWY 06

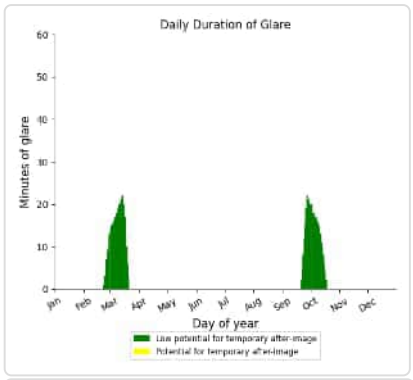
No glare found

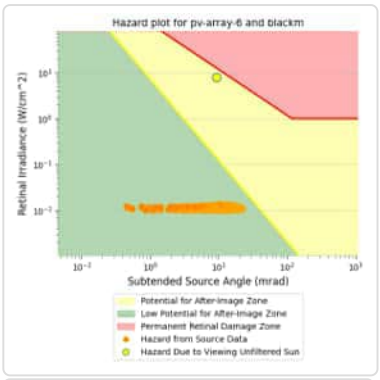
PV array 6: Blackmoor Farm RWY 24

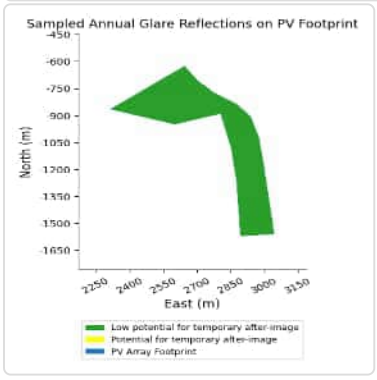
PV array is expected to produce the following glare for this receptor:

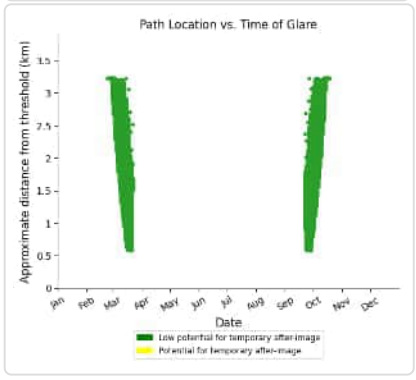
- 782 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

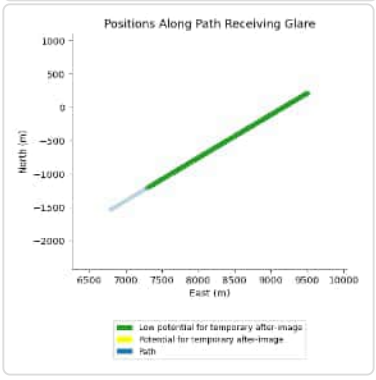












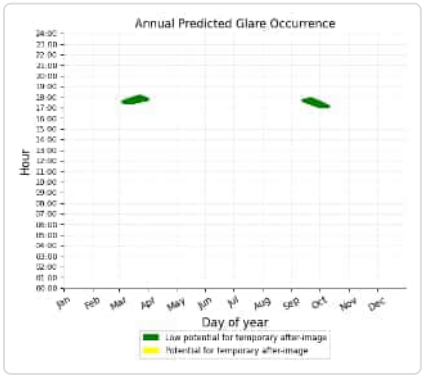
PV array 6: Peacocks Farm RWY 06

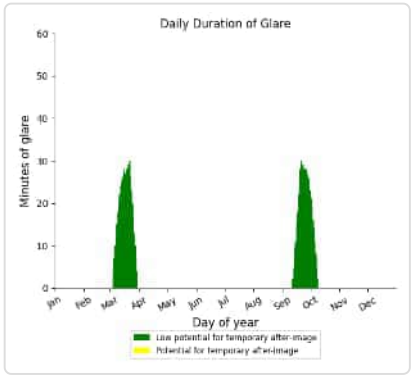
No glare found

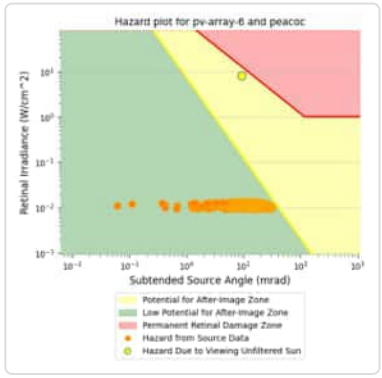
PV array 6: Peacocks Farm RWY 24

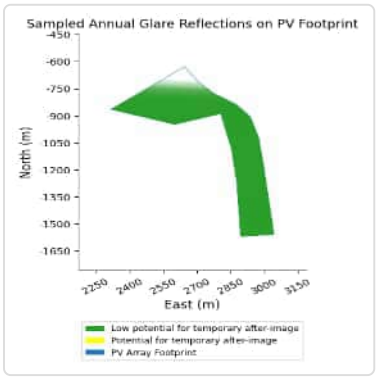
PV array is expected to produce the following glare for this receptor:

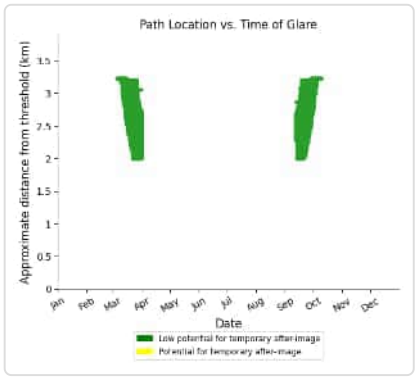
- 1,059 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

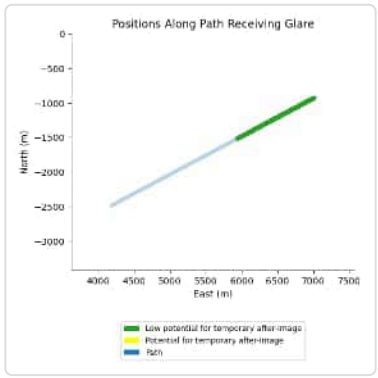












PV array 6: RAF Waddington RWY 02

No glare found

PV array 6: RAF Waddington RWY 20

No glare found

PV array 6: South Hykeham RWY 10

No glare found

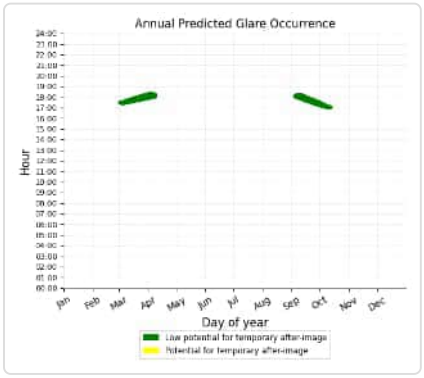
PV array 6: South Hykeham RWY 13

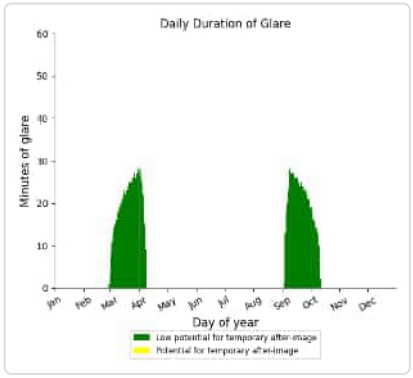
No glare found

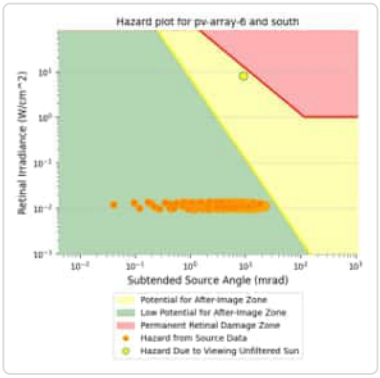
PV array 6: South Hykeham RWY 28

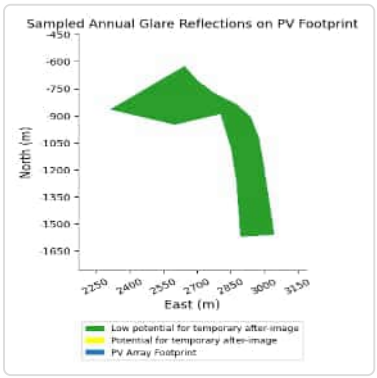
PV array is expected to produce the following glare for this receptor:

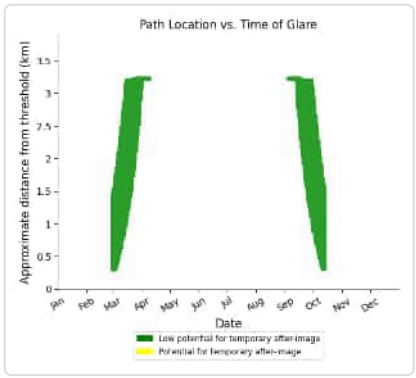
- 1,610 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

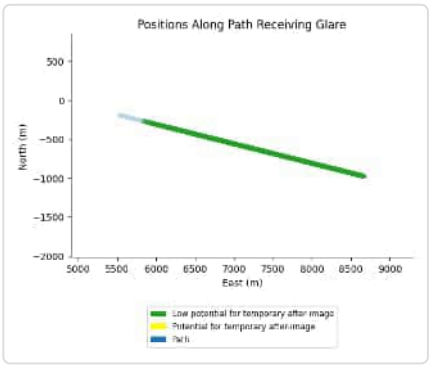








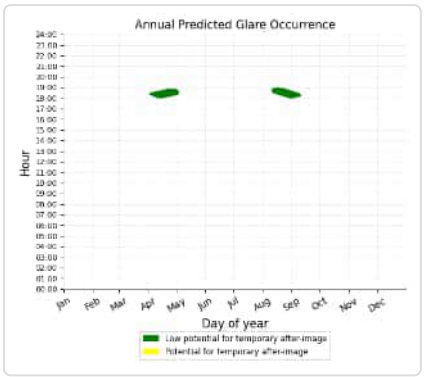


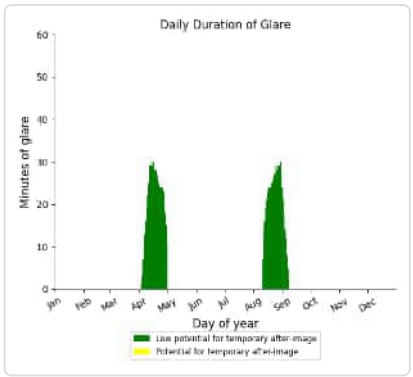


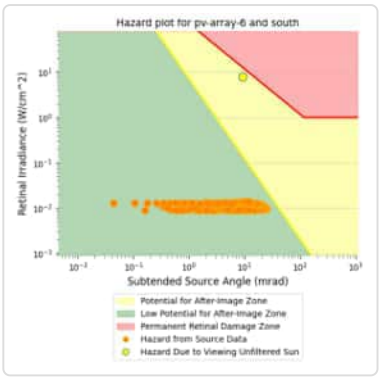
PV array 6: South Hykeham RWY 31

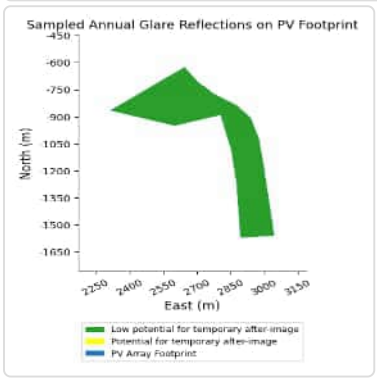
PV array is expected to produce the following glare for this receptor:

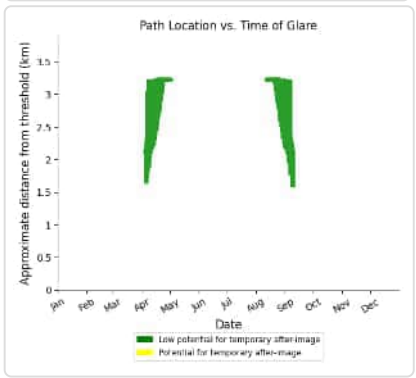
- 1,214 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

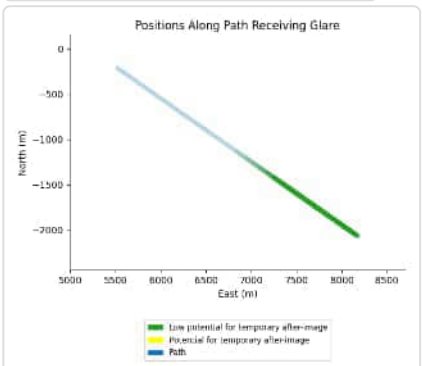












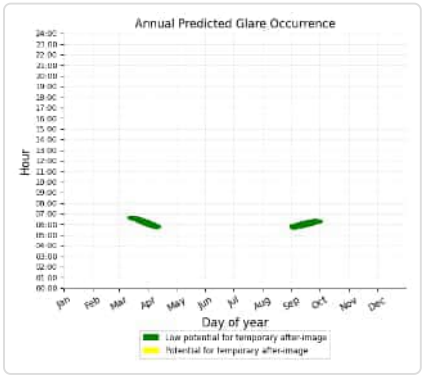
PV array 6: South Scarle RW 28

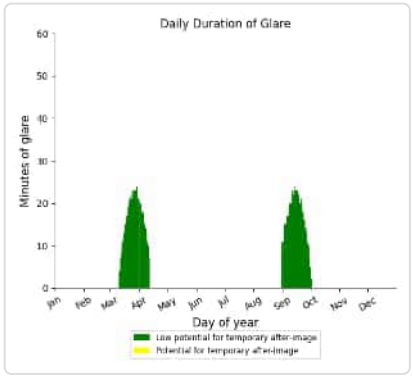
No glare found

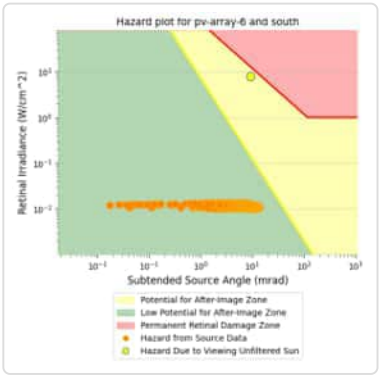
PV array 6: South Scarle RWY 10

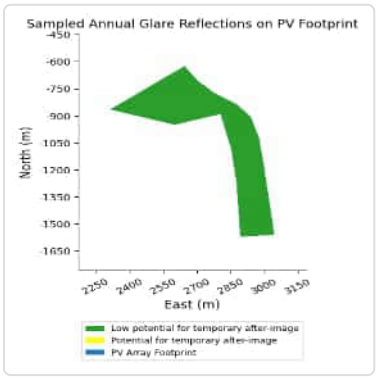
PV array is expected to produce the following glare for this receptor:

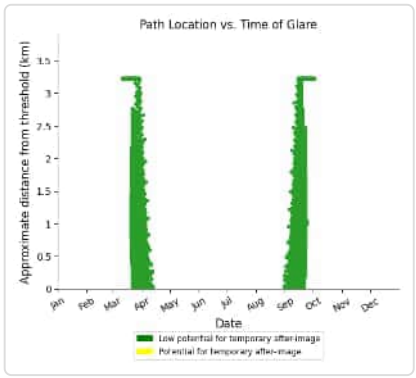
- 1,091 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

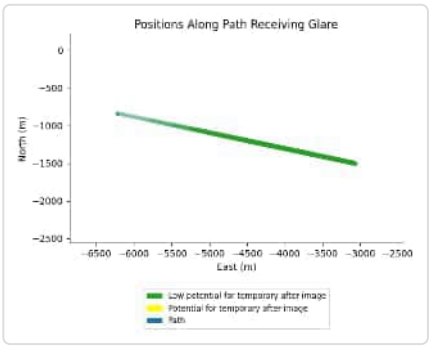








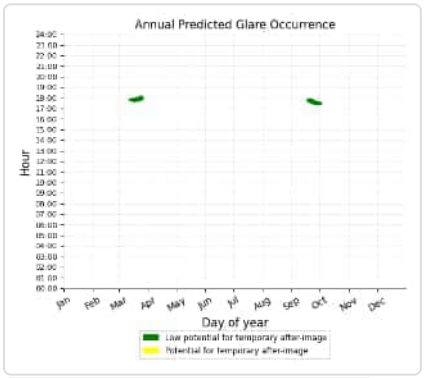


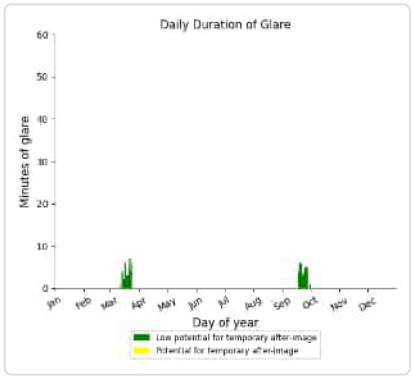


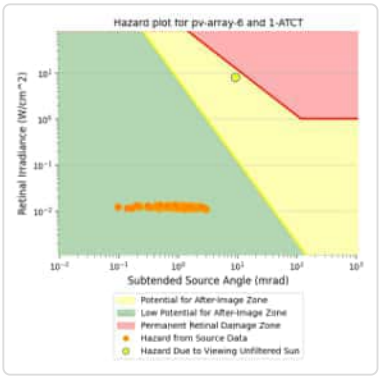
PV array 6: 1-ATCT

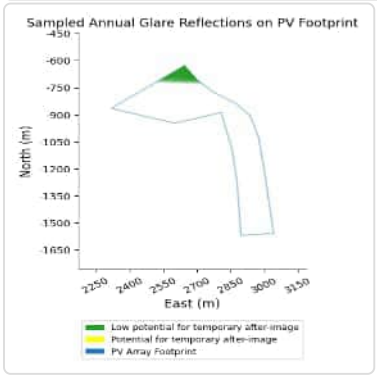
PV array is expected to produce the following glare for this receptor:

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





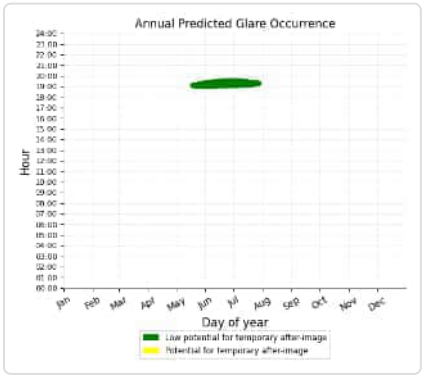


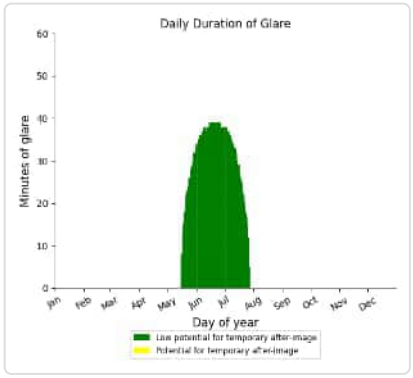


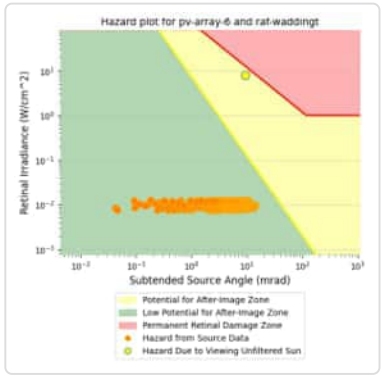
PV array 6: RAF Waddington Circuit Path East

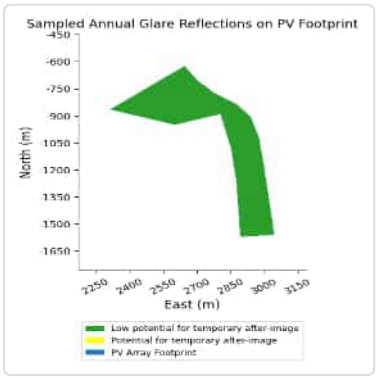
PV array is expected to produce the following glare for this receptor:

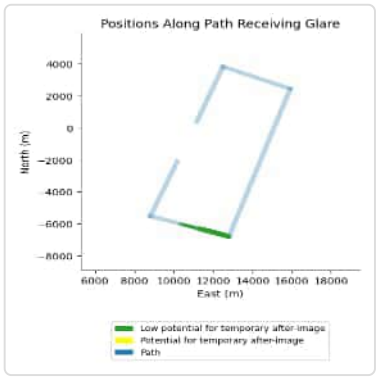
- 2,308 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







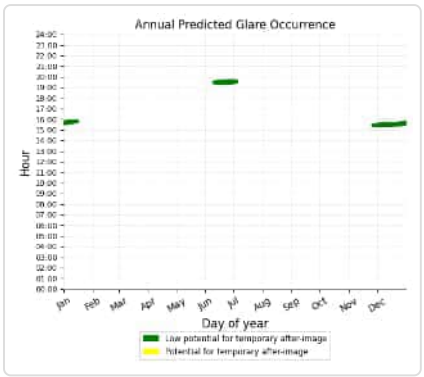


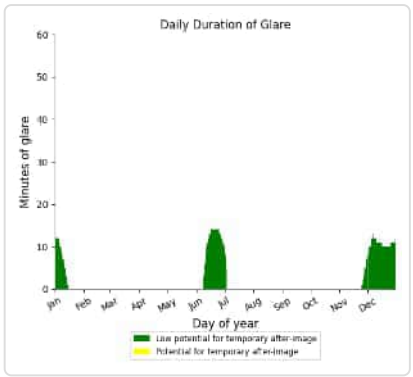


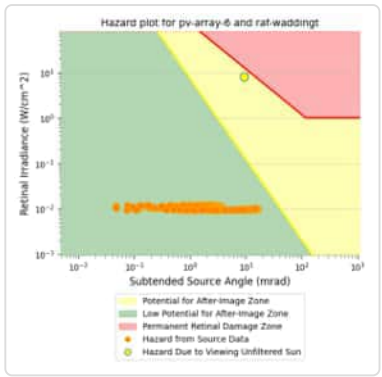
PV array 6: RAF Waddington Circuit Path West

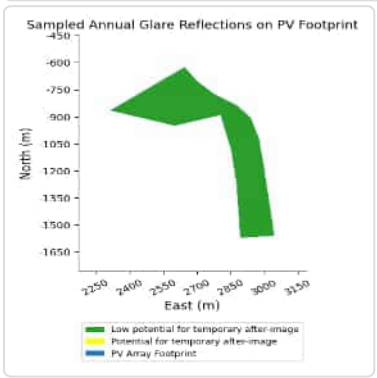
PV array is expected to produce the following glare for this receptor:

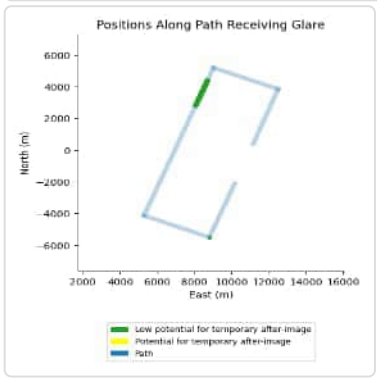
- 766 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 7 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0

FP: Blackmoor Farm RWY 24	934	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	883	779
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	1319	0
FP: South Hykeham RWY 31	760	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	1308	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	4624	0
Route: RAF Waddington Circuit Path West	7760	17

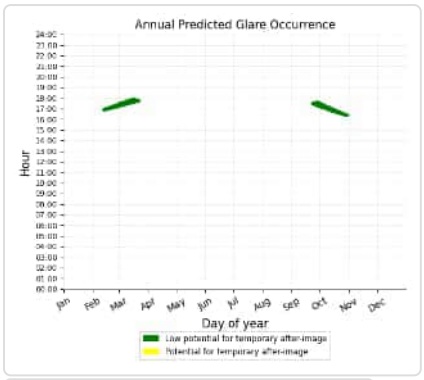
PV array 7: Blackmoor Farm RWY 06

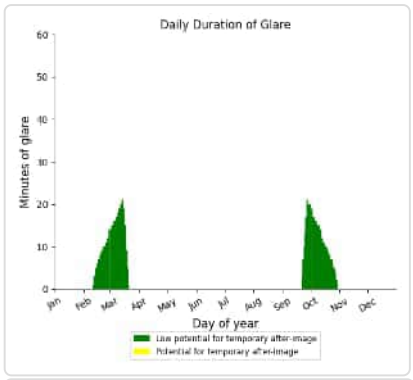
No glare found

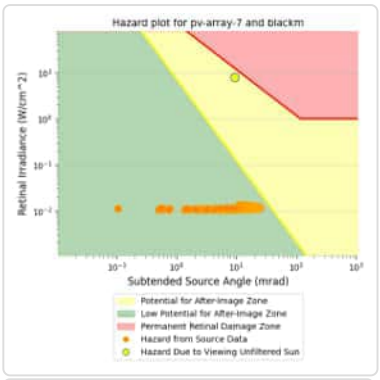
PV array 7: Blackmoor Farm RWY 24

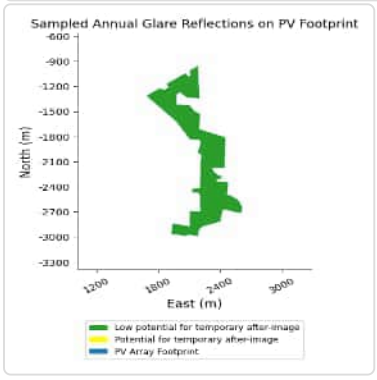
PV array is expected to produce the following glare for this receptor:

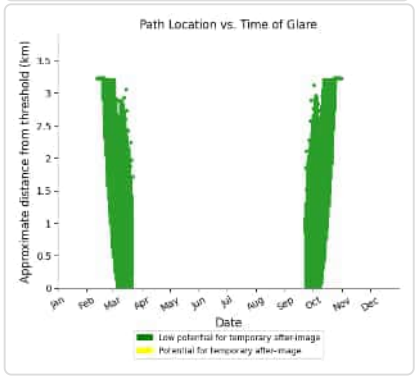
- 934 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

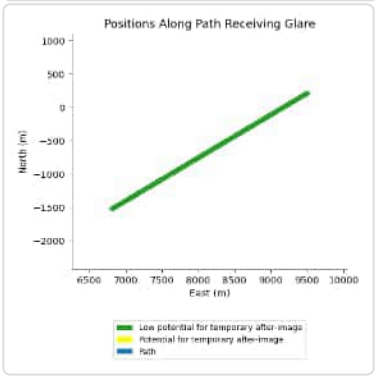












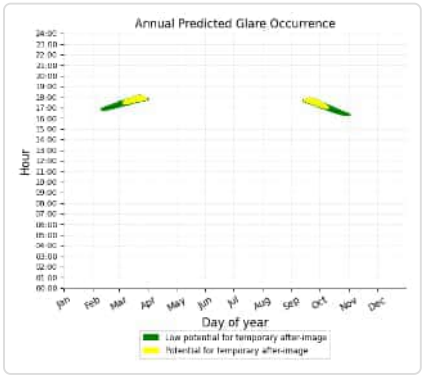
PV array 7: Peacocks Farm RWY 06

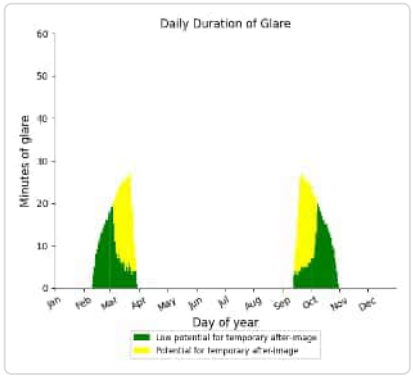
No glare found

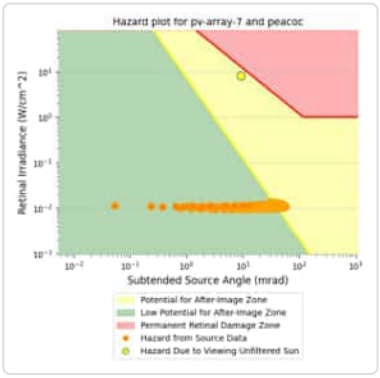
PV array 7: Peacocks Farm RWY 24

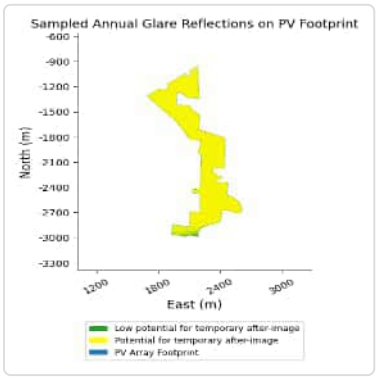
PV array is expected to produce the following glare for this receptor:

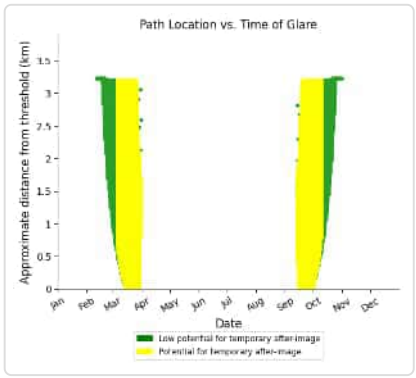
- 883 minutes of "green" glare with low potential to cause temporary after-image.
- 779 minutes of "yellow" glare with potential to cause temporary after-image.

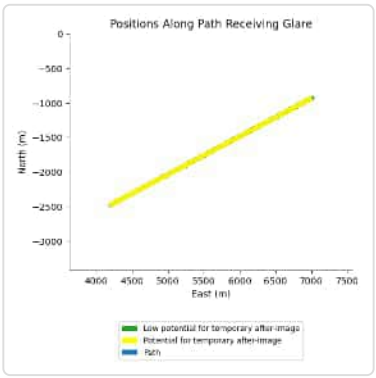












PV array 7: RAF Waddington RWY 02

No glare found

PV array 7: RAF Waddington RWY 20

No glare found

PV array 7: South Hykeham RWY 10

No glare found

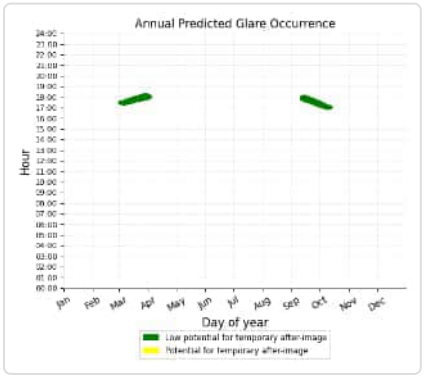
PV array 7: South Hykeham RWY 13

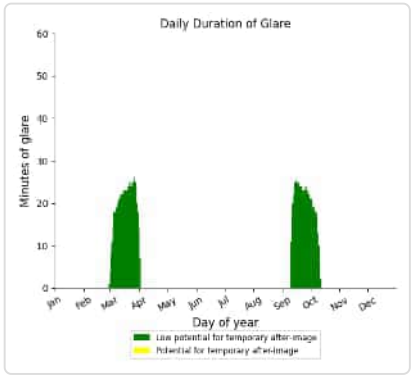
No glare found

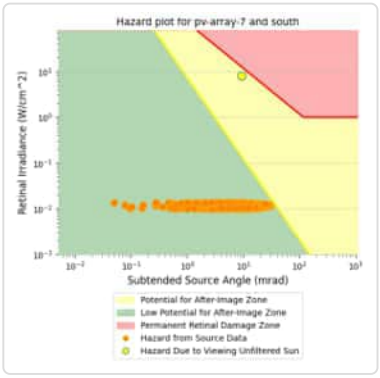
PV array 7: South Hykeham RWY 28

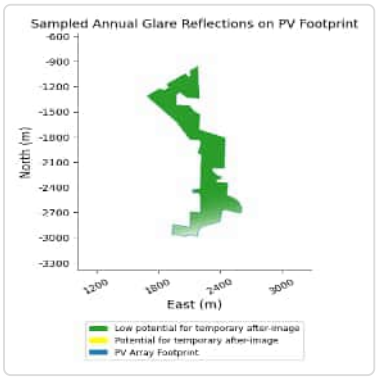
PV array is expected to produce the following glare for this receptor:

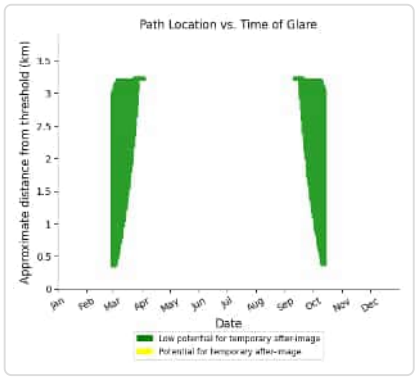
- 1,319 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

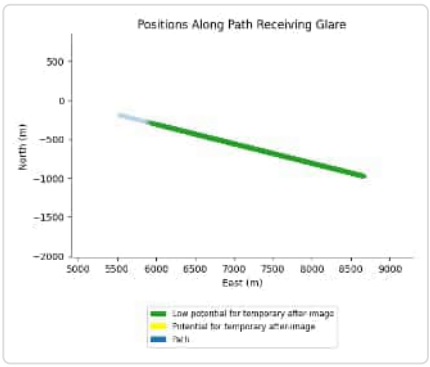








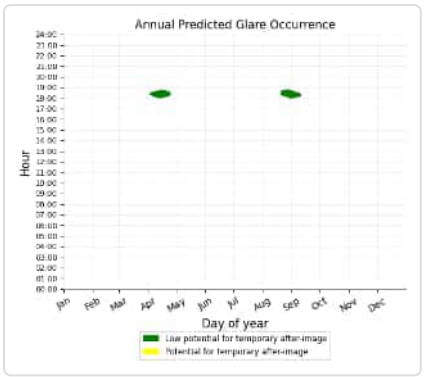


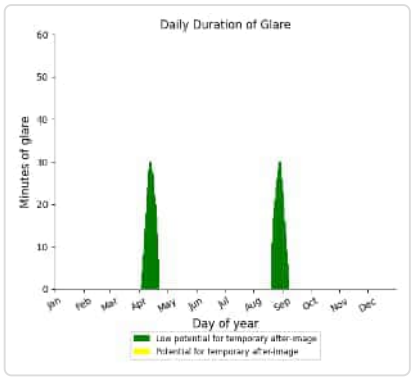


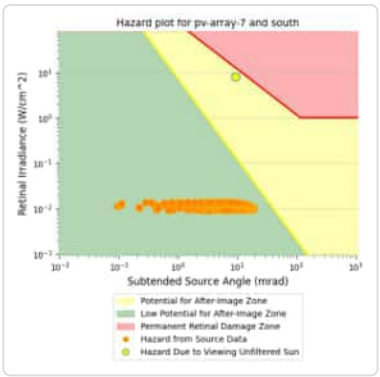
PV array 7: South Hykeham RWY 31

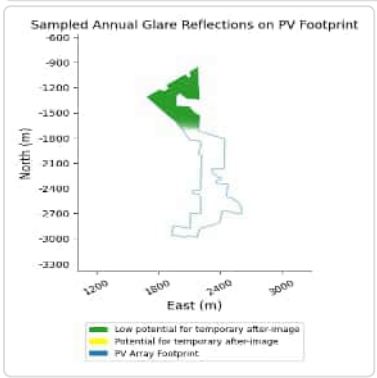
PV array is expected to produce the following glare for this receptor:

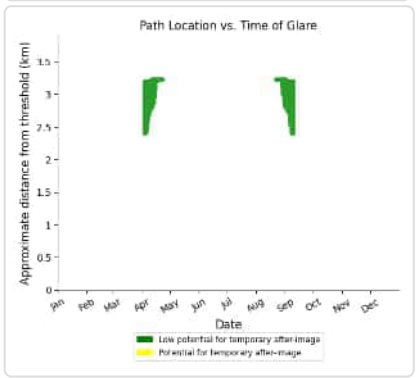
- 760 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

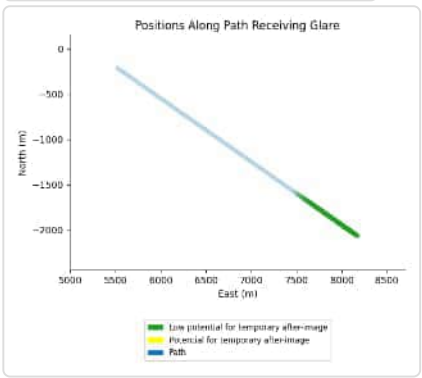












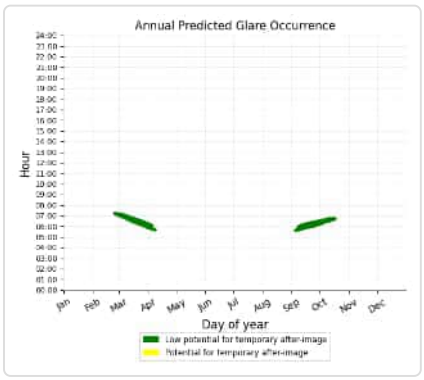
PV array 7: South Scarle RW 28

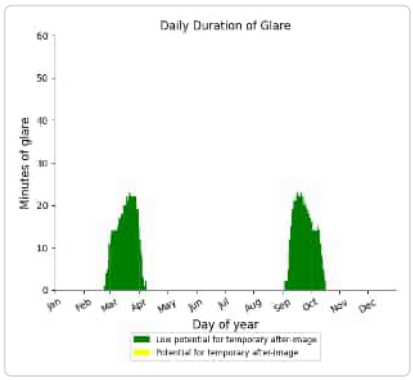
No glare found

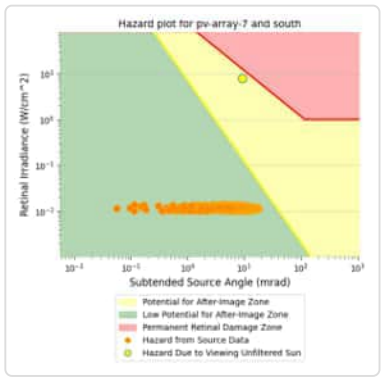
PV array 7: South Scarle RWY 10

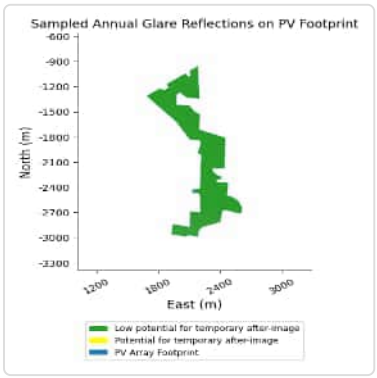
PV array is expected to produce the following glare for this receptor:

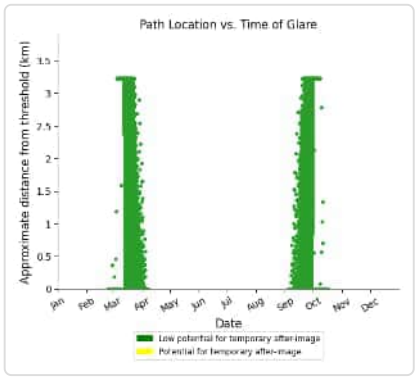
- 1,308 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

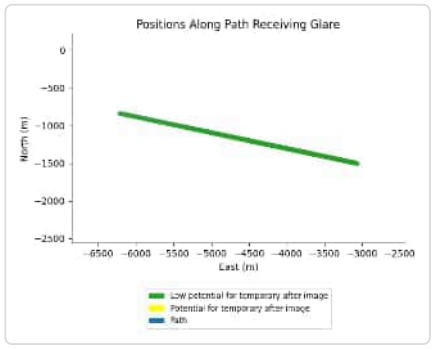












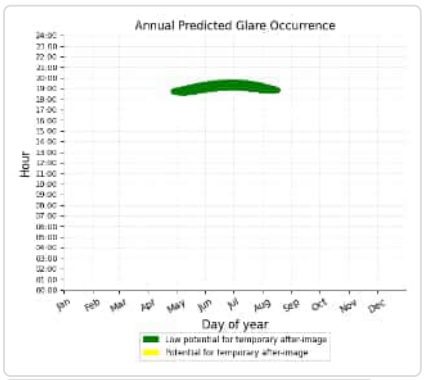
PV array 7: 1-ATCT

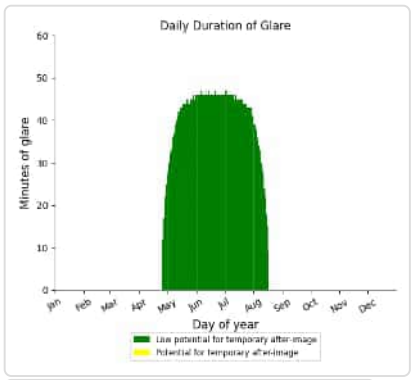
No glare found

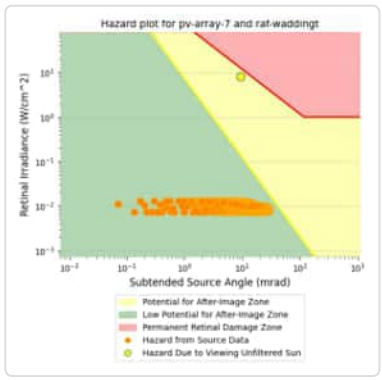
PV array 7: RAF Waddington Circuit Path East

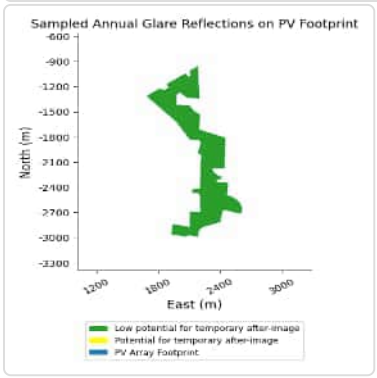
PV array is expected to produce the following glare for this receptor:

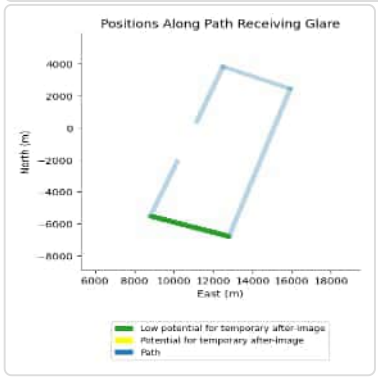
- 4,624 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







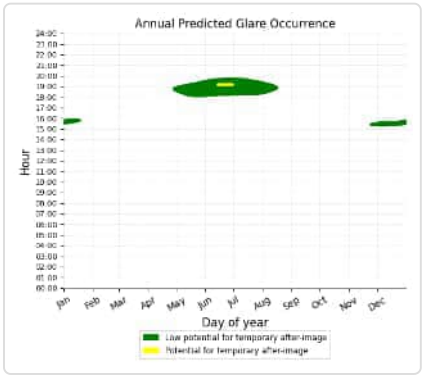


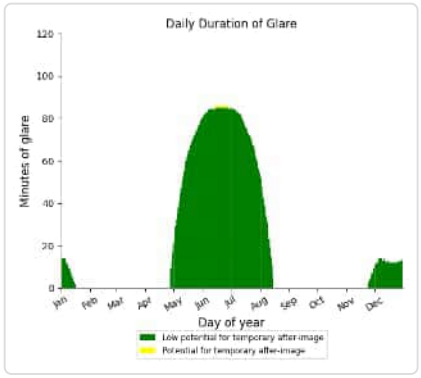


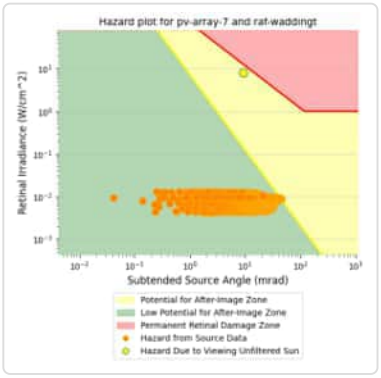
PV array 7: RAF Waddington Circuit Path West

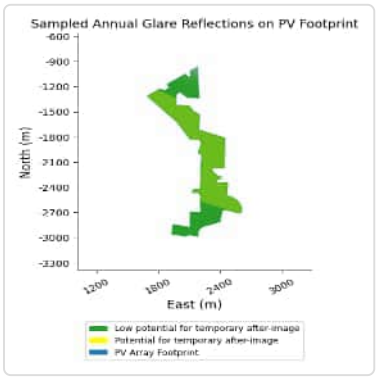
PV array is expected to produce the following glare for this receptor:

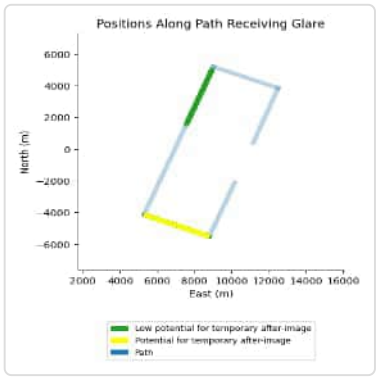
- 7,760 minutes of "green" glare with low potential to cause temporary after-image.
- 17 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 8 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	346	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	1376	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	161	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	321	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	2982	0
Route: RAF Waddington Circuit Path West	3668	0

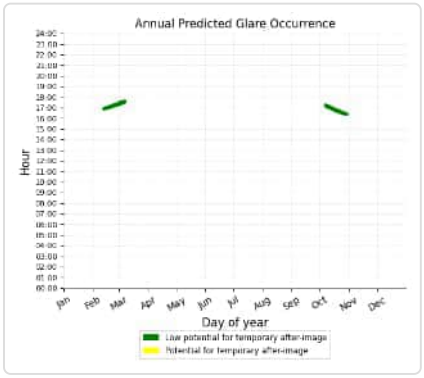
PV array 8: Blackmoor Farm RWY 06

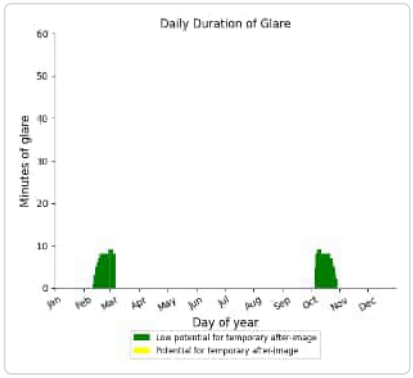
No glare found

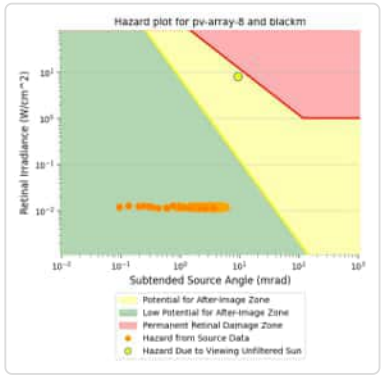
PV array 8: Blackmoor Farm RWY 24

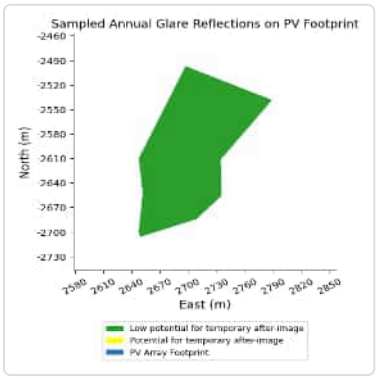
PV array is expected to produce the following glare for this receptor:

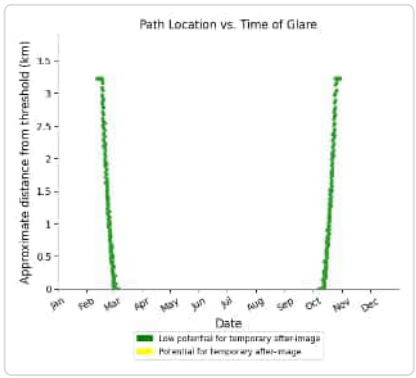
- 346 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

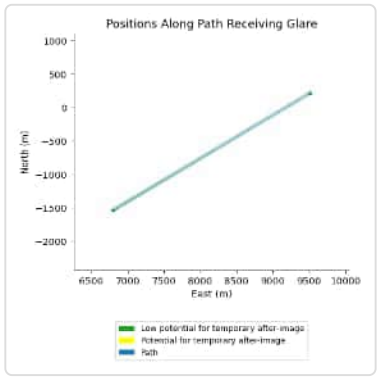












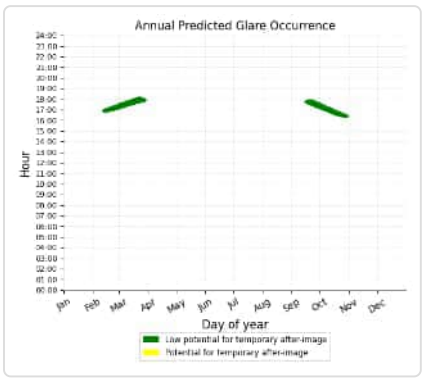
PV array 8: Peacocks Farm RWY 06

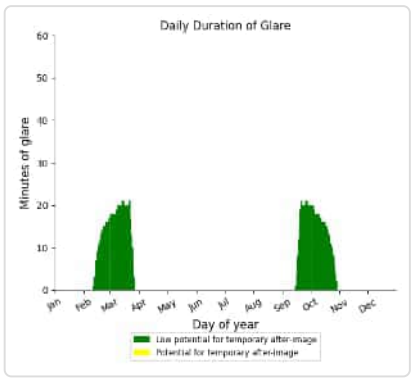
No glare found

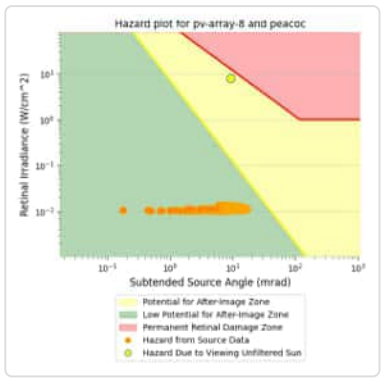
PV array 8: Peacocks Farm RWY 24

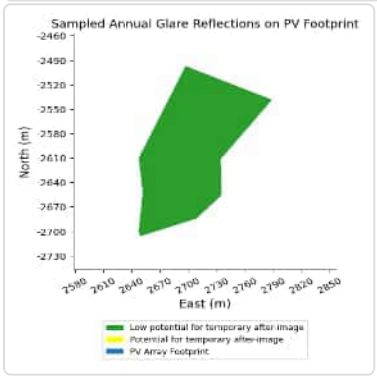
PV array is expected to produce the following glare for this receptor:

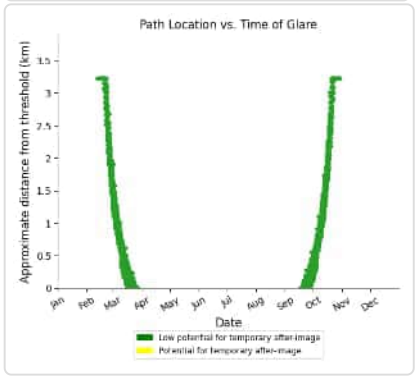
- 1,376 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

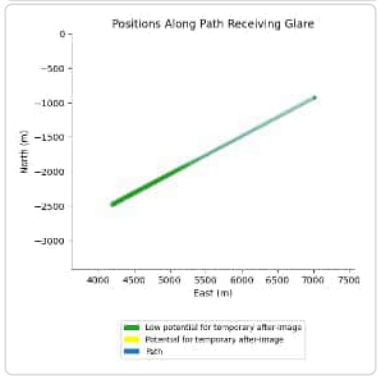












PV array 8: RAF Waddington RWY 02

No glare found

PV array 8: RAF Waddington RWY 20

No glare found

PV array 8: South Hykeham RWY 10

No glare found

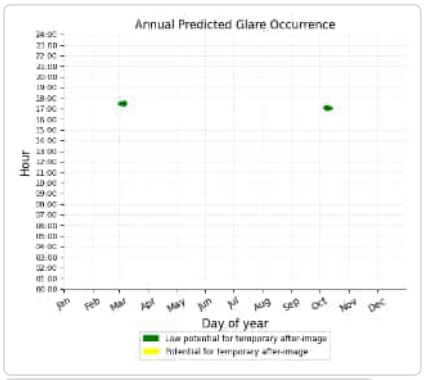
PV array 8: South Hykeham RWY 13

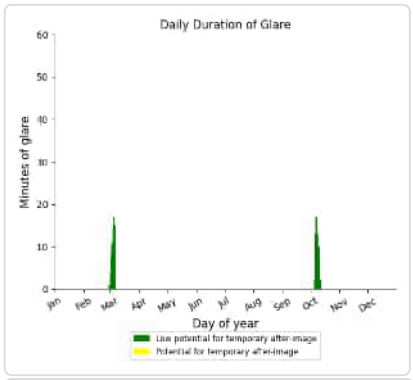
No glare found

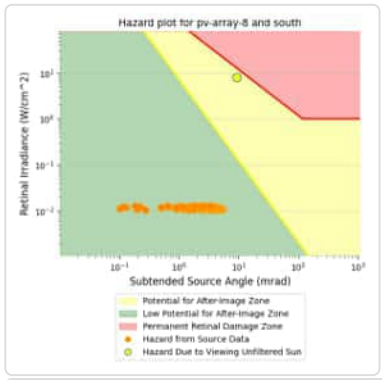
PV array 8: South Hykeham RWY 28

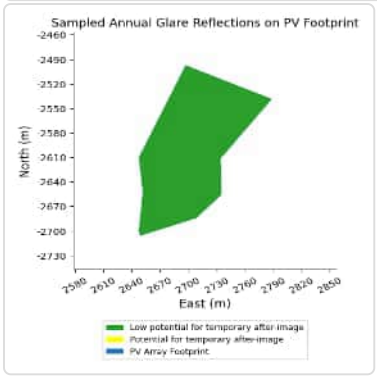
PV array is expected to produce the following glare for this receptor:

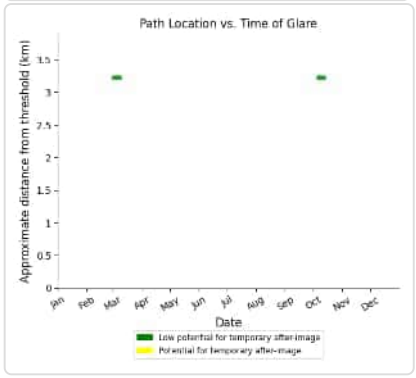
- 161 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

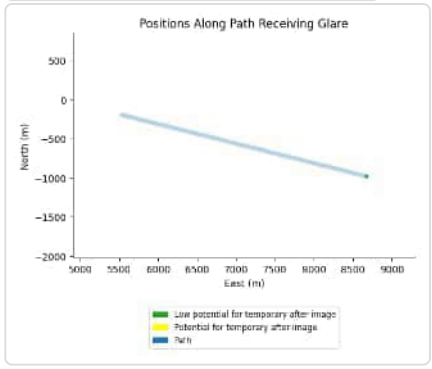












PV array 8: South Hykeham RWY 31

No glare found

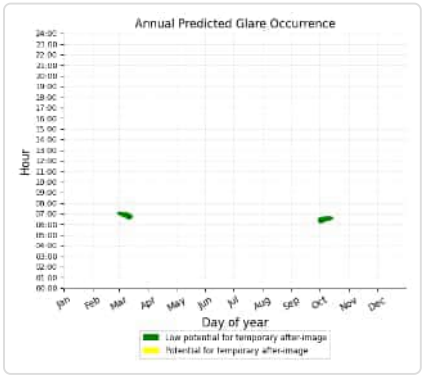
PV array 8: South Scarle RW 28

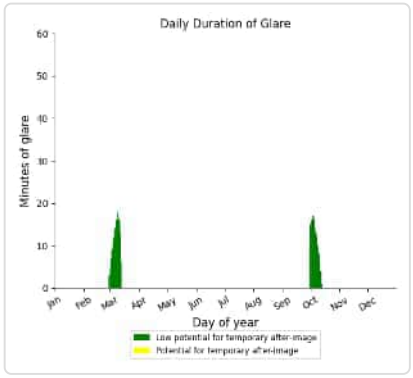
No glare found

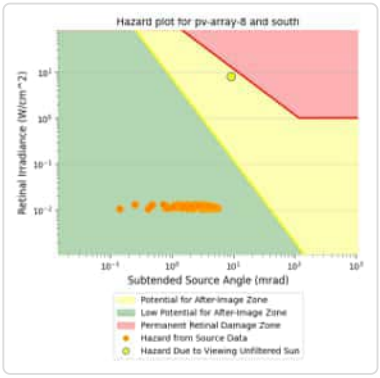
PV array 8: South Scarle RWY 10

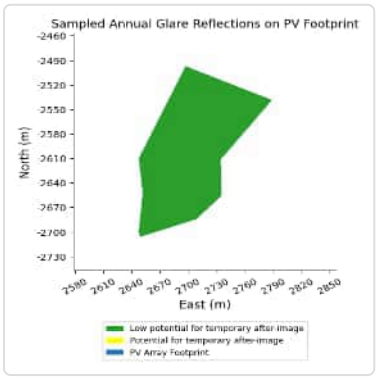
PV array is expected to produce the following glare for this receptor:

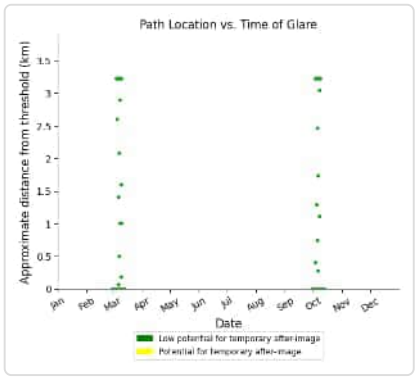
- 321 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

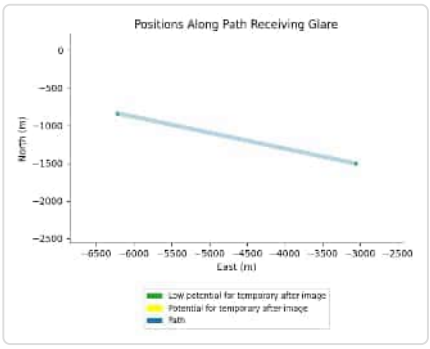












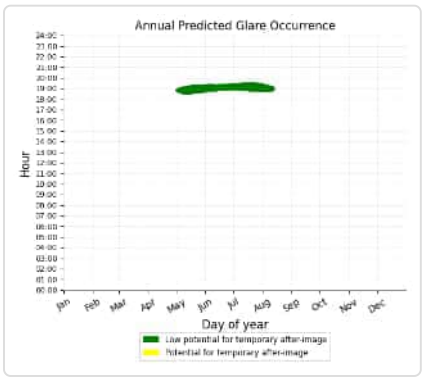
PV array 8: 1-ATCT

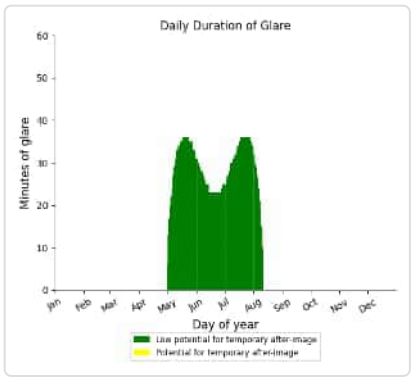
No glare found

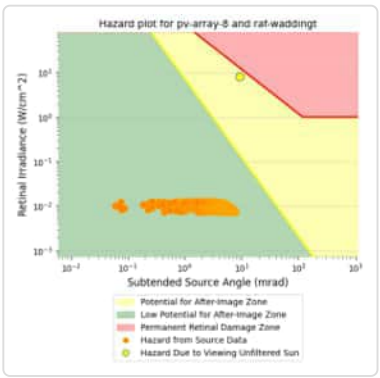
PV array 8: RAF Waddington Circuit Path East

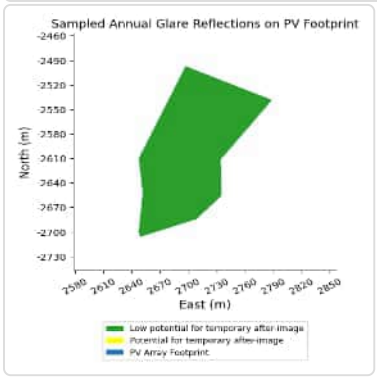
PV array is expected to produce the following glare for this receptor:

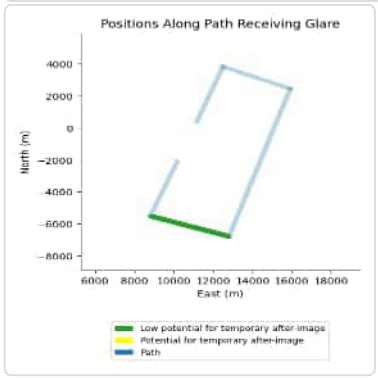
- 2,982 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







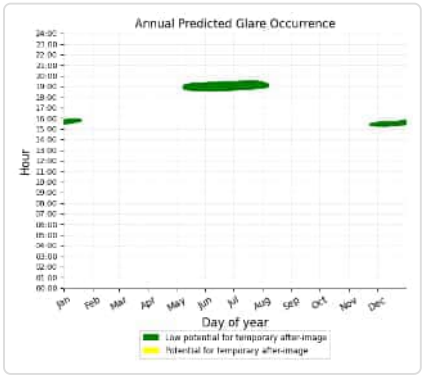


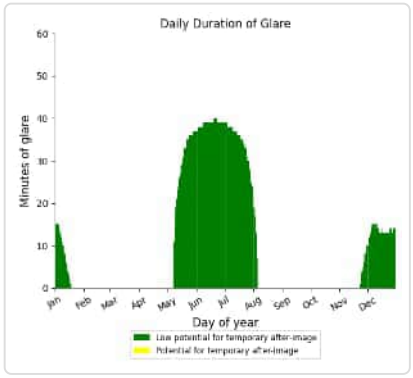


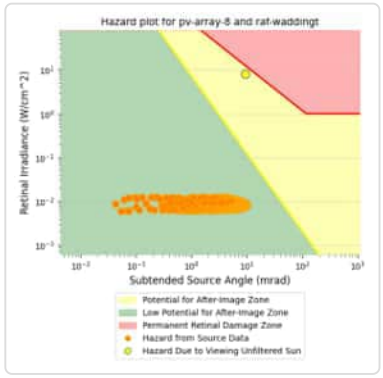
PV array 8: RAF Waddington Circuit Path West

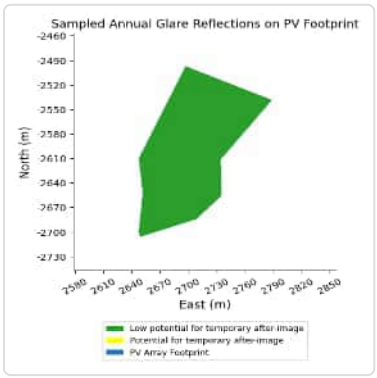
PV array is expected to produce the following glare for this receptor:

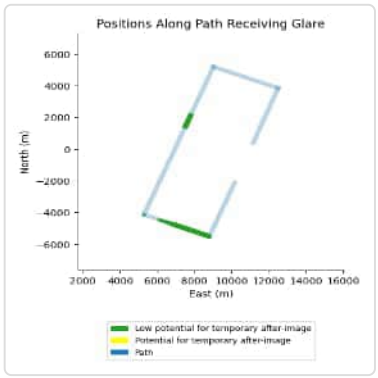
- 3,668 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 9 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	108	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	323	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	233	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	1397	0
Route: RAF Waddington Circuit Path West	4456	0

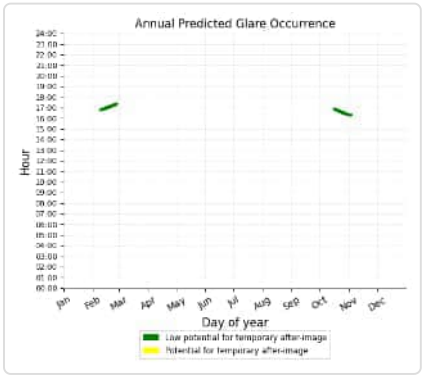
PV array 9: Blackmoor Farm RWY 06

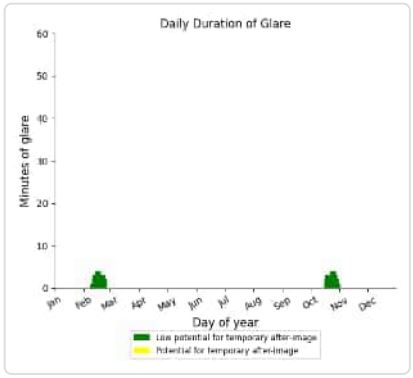
No glare found

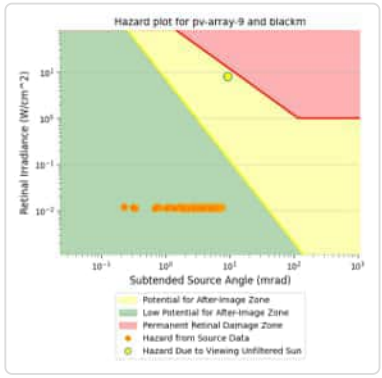
PV array 9: Blackmoor Farm RWY 24

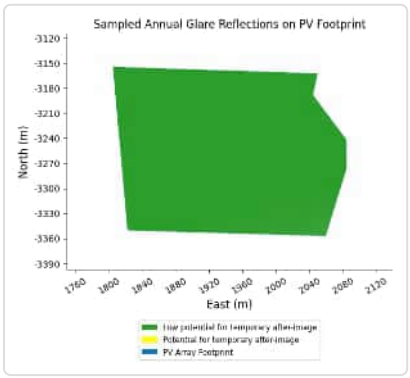
PV array is expected to produce the following glare for this receptor:

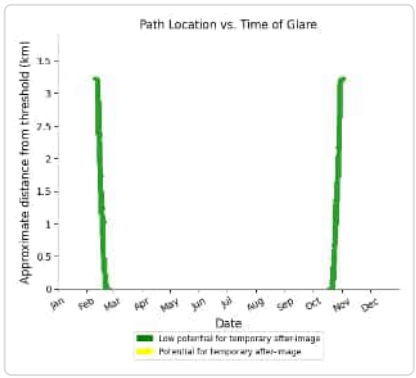
- 108 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

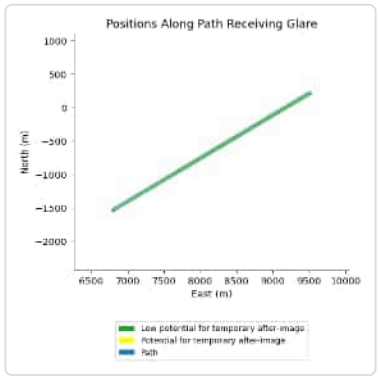












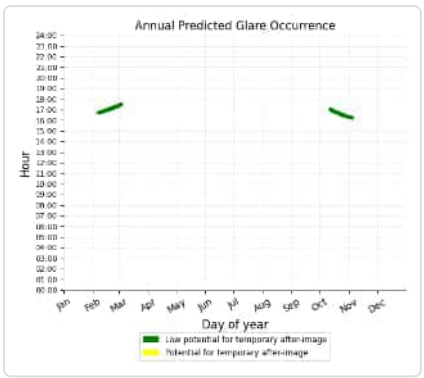
PV array 9: Peacocks Farm RWY 06

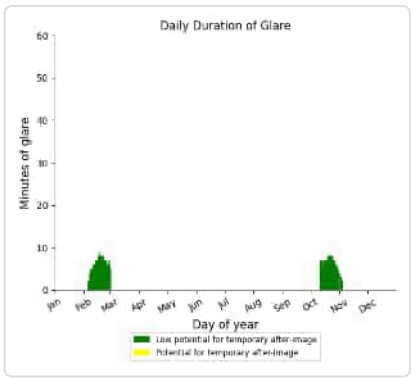
No glare found

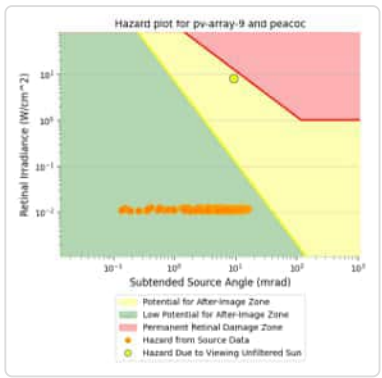
PV array 9: Peacocks Farm RWY 24

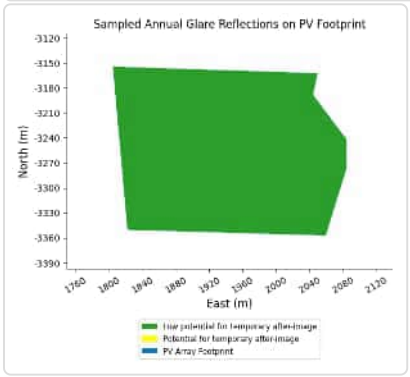
PV array is expected to produce the following glare for this receptor:

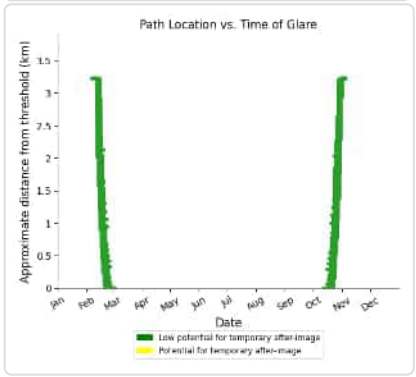
- 323 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

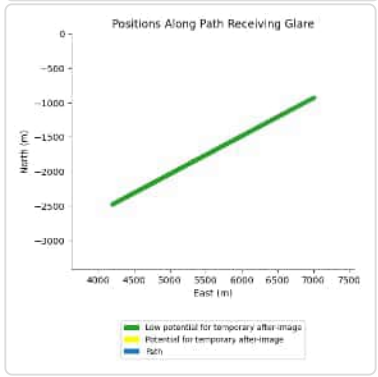












PV array 9: RAF Waddington RWY 02

No glare found

PV array 9: RAF Waddington RWY 20

No glare found

PV array 9: South Hykeham RWY 10

No glare found

PV array 9: South Hykeham RWY 13

No glare found

PV array 9: South Hykeham RWY 28

No glare found

PV array 9: South Hykeham RWY 31

No glare found

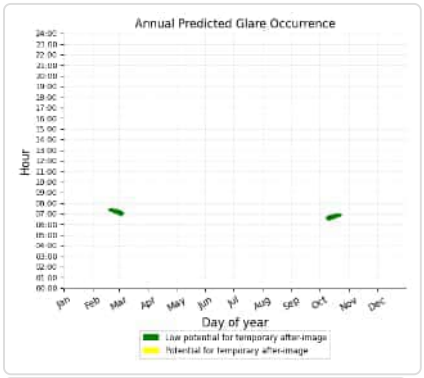
PV array 9: South Scarle RW 28

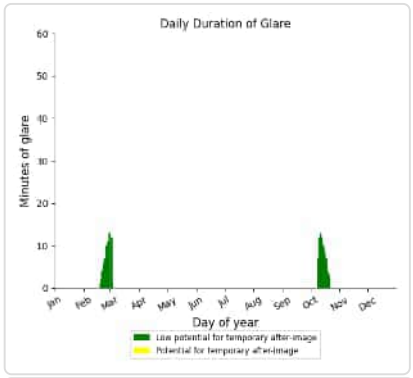
No glare found

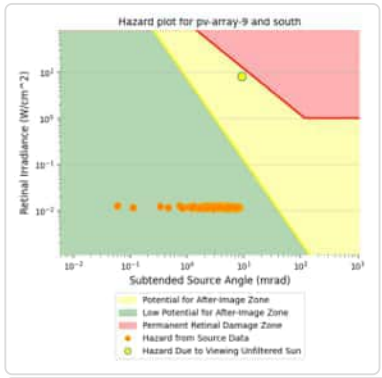
PV array 9: South Scarle RWY 10

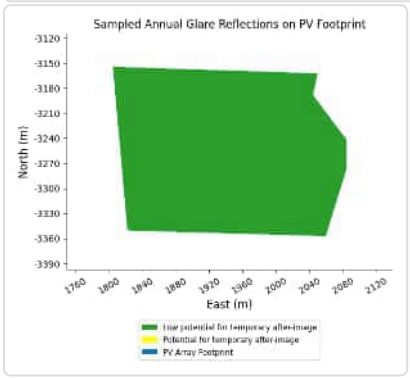
PV array is expected to produce the following glare for this receptor:

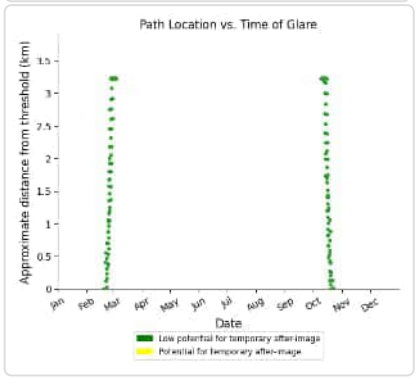
- 233 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

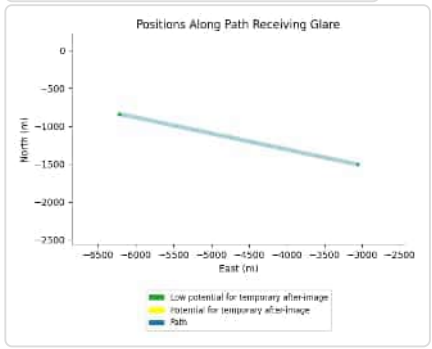












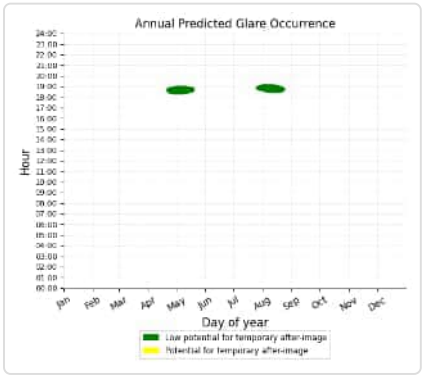
PV array 9: 1-ATCT

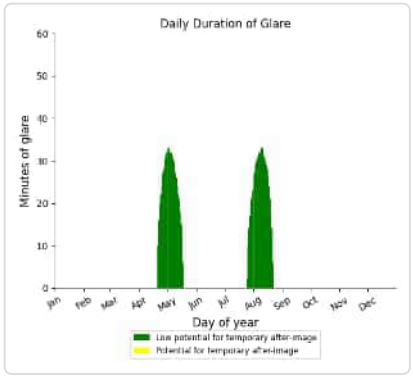
No glare found

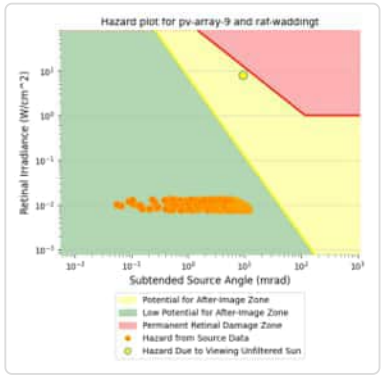
PV array 9: RAF Waddington Circuit Path East

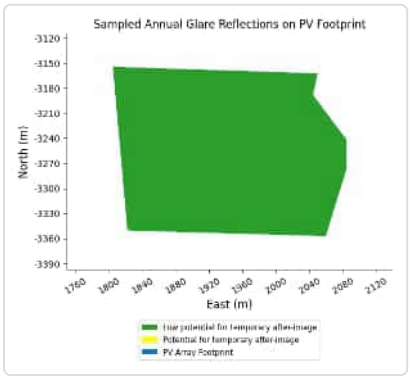
PV array is expected to produce the following glare for this receptor:

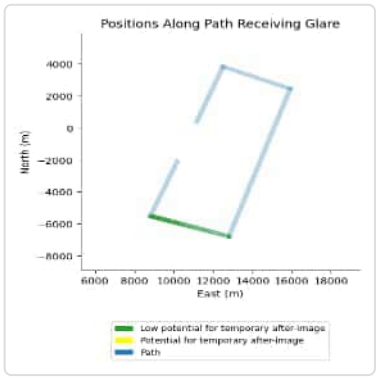
- 1,397 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







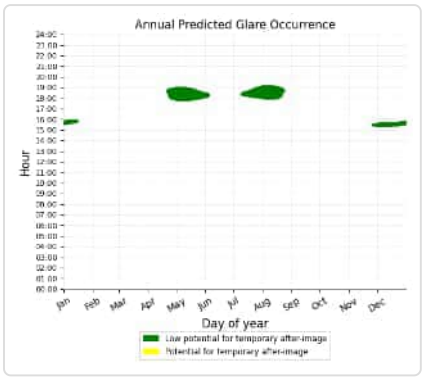


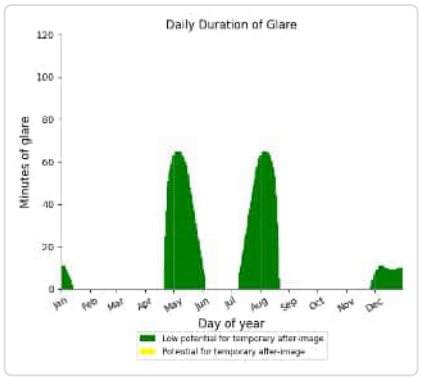


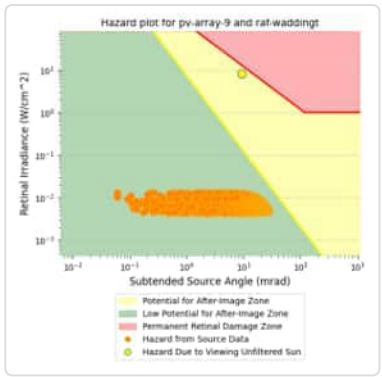
PV array 9: RAF Waddington Circuit Path West

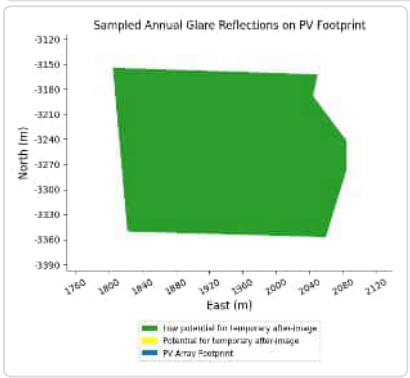
PV array is expected to produce the following glare for this receptor:

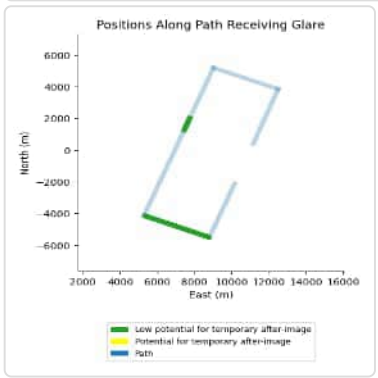
- 4,456 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











Summary of Vertical Surface Glare Analysis

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not automatically 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.
- Refer to the [redacted] for detailed assumptions and limitations not listed here.

Fosse Green Solar Farm

Fosse Green SF Aviation 45 Degrees

Created Jan 11, 2024
Updated Apr 17, 2025
Time-step 1 minute
Timezone offset UTC0
Minimum sun altitude 0.0 deg
Site ID 109532.18719

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**

PV Analysis Methodology: **Version 2**
Enhanced subtended angle calculation: **On**

Summary of Results

Glare with potential for temporary after-image predicted

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
PV array 1	45.0	180.0	10,482	425	-
PV array 10	45.0	180.0	49,743	8,883	-
PV array 11	45.0	180.0	88,733	7,696	-
PV array 12	45.0	180.0	18,869	0	-
PV array 13	45.0	180.0	16,786	0	-
PV array 14	45.0	180.0	9,520	662	-
PV array 15	45.0	180.0	3,850	0	-
PV array 2	45.0	180.0	9,976	174	-
PV array 3	45.0	180.0	11,422	37	-
PV array 4	45.0	180.0	10,704	675	-
PV array 6	45.0	180.0	7,908	0	-
PV array 7	45.0	180.0	16,765	0	-
PV array 8	45.0	180.0	6,717	0	-
PV array 9	45.0	180.0	4,969	0	-

Component Data

PV Array(s)

Total PV footprint area: 5,021,929 m^2

Name: PV array 1
Footprint area: 490,759 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.173327	-0.683693	15.22	3.50	18.72
2	53.171796	-0.684143	15.03	3.50	18.53
3	53.171552	-0.683478	15.19	3.50	18.69
4	53.171127	-0.682985	15.98	3.50	19.48
5	53.169712	-0.681805	15.00	3.50	18.50
6	53.168092	-0.681418	16.50	3.50	20.00
7	53.167989	-0.682362	16.00	3.50	19.50
8	53.167616	-0.682427	15.86	3.50	19.36
9	53.166844	-0.682749	16.00	3.50	19.50
10	53.166574	-0.682985	16.00	3.50	19.50
11	53.166123	-0.682920	16.00	3.50	19.50
12	53.166394	-0.680345	17.00	3.50	20.50
13	53.166741	-0.680410	16.40	3.50	19.90
14	53.166831	-0.679530	17.48	3.50	20.98
15	53.167320	-0.679659	17.17	3.50	20.67
16	53.167564	-0.677277	20.64	3.50	24.14
17	53.166522	-0.676741	20.78	3.50	24.28
18	53.164880	-0.675150	20.68	3.50	24.18
19	53.165403	-0.672857	27.63	3.50	31.13
20	53.165648	-0.671870	30.61	3.50	34.11
21	53.166458	-0.671269	32.00	3.50	35.50
22	53.166857	-0.671569	31.99	3.50	35.49
23	53.167847	-0.667406	24.66	3.50	28.16
24	53.169468	-0.666720	25.10	3.50	28.60
25	53.169031	-0.668608	27.89	3.50	31.39
26	53.169198	-0.670067	30.98	3.50	34.48
27	53.169982	-0.673629	26.94	3.50	30.44
28	53.170246	-0.673758	26.58	3.50	30.08
29	53.171294	-0.673125	28.40	3.50	31.90
30	53.171745	-0.672299	30.82	3.50	34.32
31	53.172105	-0.674048	26.50	3.50	30.00
32	53.171674	-0.675957	22.65	3.50	26.15
33	53.171507	-0.677599	22.08	3.50	25.58
34	53.171629	-0.678414	22.99	3.50	26.49
35	53.171918	-0.678833	24.21	3.50	27.71
36	53.171809	-0.679283	22.62	3.50	26.12
37	53.171449	-0.679391	20.48	3.50	23.98
38	53.170838	-0.677985	18.51	3.50	22.01
39	53.170593	-0.678028	17.96	3.50	21.46
40	53.170606	-0.678200	17.83	3.50	21.33
41	53.171372	-0.679906	19.18	3.50	22.68
42	53.171249	-0.681719	17.42	3.50	20.92
43	53.171378	-0.681955	17.27	3.50	20.77
44	53.171333	-0.682395	16.56	3.50	20.06
45	53.171597	-0.682502	16.79	3.50	20.29
46	53.173384	-0.681622	18.75	3.50	22.25

Name: PV array 10
Footprint area: 185,320 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.150798	-0.633966	8.64	3.50	12.14
2	53.150219	-0.635436	8.34	3.50	11.84
3	53.150026	-0.636744	8.28	3.50	11.78
4	53.148983	-0.636744	9.89	3.50	13.39
5	53.148803	-0.636862	10.13	3.50	13.63
6	53.148829	-0.637045	9.76	3.50	13.26
7	53.147420	-0.637957	10.19	3.50	13.69
8	53.146461	-0.637796	10.65	3.50	14.15
9	53.146126	-0.637302	11.44	3.50	14.94
10	53.145875	-0.635146	9.74	3.50	13.24
11	53.145566	-0.635264	9.14	3.50	12.64
12	53.145451	-0.635843	9.42	3.50	12.92
13	53.145142	-0.635951	9.94	3.50	13.44
14	53.144987	-0.634910	11.54	3.50	15.04
15	53.144637	-0.634278	12.00	3.50	15.50
16	53.143968	-0.633344	12.41	3.50	15.91
17	53.144200	-0.633280	11.84	3.50	15.34
18	53.144953	-0.632754	9.97	3.50	13.47
19	53.145828	-0.631949	10.31	3.50	13.81
20	53.146497	-0.631509	11.15	3.50	14.65
21	53.147668	-0.633848	12.51	3.50	16.01
22	53.148395	-0.633344	12.81	3.50	16.31
23	53.148254	-0.632947	13.08	3.50	16.58
24	53.148910	-0.632035	13.05	3.50	16.55
25	53.149148	-0.632604	13.03	3.50	16.53
26	53.149631	-0.631853	12.49	3.50	15.99

Name: PV array 11
Footprint area: 717,731 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.148506	-0.631749	13.14	3.50	16.64
2	53.147850	-0.632704	12.97	3.50	16.47
3	53.147683	-0.632715	12.37	3.50	15.87
4	53.146640	-0.630945	11.20	3.50	14.70
5	53.146396	-0.630848	12.22	3.50	15.72
6	53.145637	-0.631266	12.28	3.50	15.78
7	53.144343	-0.632565	11.04	3.50	14.54
8	53.142046	-0.627951	13.11	3.50	16.61
9	53.141524	-0.626084	12.34	3.50	15.84
10	53.138596	-0.627329	13.83	3.50	17.33
11	53.138454	-0.627232	13.48	3.50	16.98
12	53.137051	-0.628370	12.96	3.50	16.46
13	53.137154	-0.629056	13.21	3.50	16.71
14	53.135919	-0.628649	14.19	3.50	17.69
15	53.135771	-0.627640	12.78	3.50	16.28
16	53.134593	-0.628456	13.03	3.50	16.53
17	53.134464	-0.624700	12.77	3.50	16.27
18	53.134618	-0.624700	12.76	3.50	16.26
19	53.134631	-0.624990	12.76	3.50	16.26
20	53.135655	-0.624947	12.58	3.50	16.08
21	53.135758	-0.626331	11.86	3.50	15.36
22	53.136112	-0.626567	11.92	3.50	15.42
23	53.136549	-0.625162	10.74	3.50	14.24
24	53.136717	-0.625055	10.13	3.50	13.63
25	53.136652	-0.624636	10.38	3.50	13.88
26	53.137450	-0.624089	10.03	3.50	13.53
27	53.135830	-0.616790	7.11	3.50	10.61
28	53.136200	-0.615960	6.99	3.50	10.49
29	53.137240	-0.614930	7.15	3.50	10.65
30	53.137620	-0.615710	7.24	3.50	10.74
31	53.137860	-0.615550	7.38	3.50	10.88
32	53.137990	-0.614790	7.14	3.50	10.64
33	53.139105	-0.617426	7.93	3.50	11.43
34	53.139800	-0.619754	11.05	3.50	14.55
35	53.141717	-0.618682	9.38	3.50	12.88
36	53.142129	-0.620227	11.21	3.50	14.71
37	53.142007	-0.620323	10.80	3.50	14.30
38	53.142541	-0.622211	11.19	3.50	14.69
39	53.144034	-0.620784	11.76	3.50	15.26
40	53.144607	-0.623563	11.92	3.50	15.42
41	53.145591	-0.624582	12.63	3.50	16.13
42	53.145044	-0.625248	12.90	3.50	16.40
43	53.145077	-0.625666	12.28	3.50	15.78
44	53.146634	-0.628348	11.72	3.50	15.22
45	53.146808	-0.628220	12.16	3.50	15.66
46	53.148268	-0.630762	12.11	3.50	15.61
47	53.148101	-0.631030	11.92	3.50	15.42

Name: PV array 12
Footprint area: 73,115 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.136228	-0.613414	8.07	3.50	11.57
2	53.135854	-0.613478	8.46	3.50	11.96
3	53.133222	-0.614980	9.82	3.50	13.32
4	53.132887	-0.611772	10.64	3.50	14.14
5	53.135977	-0.610335	9.13	3.50	12.63

Name: PV array 13
Footprint area: 737,153 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.135585	-0.658160	11.48	3.50	14.98
2	53.136461	-0.665906	14.75	3.50	18.25
3	53.130642	-0.667945	14.56	3.50	18.06
4	53.130333	-0.666357	13.81	3.50	17.31
5	53.128440	-0.666872	14.86	3.50	18.36
6	53.128582	-0.668717	14.77	3.50	18.27
7	53.128273	-0.668782	14.57	3.50	18.07
8	53.128131	-0.667301	14.49	3.50	17.99
9	53.125730	-0.667666	13.07	3.50	16.57
10	53.125710	-0.667945	12.94	3.50	16.44
11	53.124455	-0.667505	13.19	3.50	16.69
12	53.124558	-0.666711	12.70	3.50	16.20
13	53.123380	-0.665788	11.31	3.50	14.81
14	53.123457	-0.665370	11.00	3.50	14.50
15	53.123122	-0.665220	12.04	3.50	15.54
16	53.123476	-0.663514	13.15	3.50	16.65
17	53.124365	-0.661776	13.29	3.50	16.79
18	53.124571	-0.660832	13.96	3.50	17.46
19	53.125067	-0.660220	13.10	3.50	16.60
20	53.126410	-0.656650	11.66	3.50	15.16
21	53.126650	-0.656260	11.38	3.50	14.88
22	53.126960	-0.656270	11.65	3.50	15.15
23	53.127180	-0.656070	12.25	3.50	15.75
24	53.127600	-0.659050	12.08	3.50	15.58
25	53.128790	-0.658920	13.52	3.50	17.02
26	53.129280	-0.661440	14.94	3.50	18.44
27	53.131090	-0.659840	14.90	3.50	18.40
28	53.131520	-0.659500	14.40	3.50	17.90
29	53.132320	-0.658860	12.70	3.50	16.20
30	53.133270	-0.657930	12.71	3.50	16.21
31	53.133345	-0.658664	11.01	3.50	14.51

Name: PV array 14
Footprint area: 209,869 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.132660	-0.653180	10.42	3.50	13.92
2	53.132070	-0.653360	10.23	3.50	13.73
3	53.131511	-0.653075	11.28	3.50	14.78
4	53.130770	-0.652409	10.38	3.50	13.88
5	53.130352	-0.650049	9.94	3.50	13.44
6	53.130095	-0.649556	9.85	3.50	13.35
7	53.130275	-0.649255	10.71	3.50	14.21
8	53.132390	-0.648020	11.38	3.50	14.88
9	53.133030	-0.650850	12.02	3.50	15.52
10	53.136270	-0.648960	10.09	3.50	13.59
11	53.136080	-0.645870	9.77	3.50	13.27
12	53.137430	-0.645210	9.73	3.50	13.23
13	53.137750	-0.648600	9.23	3.50	12.73
14	53.137580	-0.648830	9.22	3.50	12.72
15	53.138060	-0.652120	9.08	3.50	12.58
16	53.137820	-0.652230	9.58	3.50	13.08
17	53.137820	-0.652230	9.58	3.50	13.08
18	53.137750	-0.652040	9.56	3.50	13.06
19	53.135890	-0.651840	9.88	3.50	13.38

Name: PV array 15
Footprint area: 78,226 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.132772	-0.647378	9.94	3.50	13.44
2	53.130056	-0.648847	10.80	3.50	14.30
3	53.129882	-0.649255	9.89	3.50	13.39
4	53.129303	-0.648847	10.80	3.50	14.30
5	53.128942	-0.648858	10.87	3.50	14.37
6	53.128884	-0.648418	11.51	3.50	15.01
7	53.128311	-0.648386	11.43	3.50	14.93
8	53.128105	-0.646884	11.40	3.50	14.90
9	53.130622	-0.645758	10.83	3.50	14.33
10	53.130700	-0.646122	11.65	3.50	15.15
11	53.131298	-0.645768	10.18	3.50	13.68
12	53.132410	-0.645330	9.00	3.50	12.50

Name: PV array 2
Footprint area: 575,674 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.178640	-0.666110	19.41	3.50	22.91
2	53.177870	-0.669090	19.28	3.50	22.78
3	53.176523	-0.668029	19.69	3.50	23.19
4	53.174220	-0.666891	26.06	3.50	29.56
5	53.174465	-0.660669	17.80	3.50	21.30
6	53.172497	-0.660755	16.16	3.50	19.66
7	53.172510	-0.661355	17.14	3.50	20.64
8	53.172960	-0.661484	17.29	3.50	20.79
9	53.173230	-0.666677	24.28	3.50	27.78
10	53.172175	-0.666226	20.97	3.50	24.47
11	53.171823	-0.664919	19.69	3.50	23.19
12	53.171714	-0.664865	19.72	3.50	23.22
13	53.170968	-0.662526	18.08	3.50	21.58
14	53.170357	-0.661797	17.29	3.50	20.79
15	53.174293	-0.653523	13.69	3.50	17.19
16	53.178283	-0.655459	15.69	3.50	19.19
17	53.179363	-0.655588	13.41	3.50	16.91
18	53.178051	-0.662519	19.70	3.50	23.20
19	53.177884	-0.665737	19.63	3.50	23.13

Name: PV array 3
Footprint area: 679,840 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.162240	-0.675330	17.88	3.50	21.38
2	53.159340	-0.671810	16.96	3.50	20.46
3	53.159790	-0.670480	16.50	3.50	20.00
4	53.160860	-0.668250	17.83	3.50	21.33
5	53.160420	-0.666810	17.26	3.50	20.76
6	53.159450	-0.669110	15.52	3.50	19.02
7	53.159860	-0.669750	15.96	3.50	19.46
8	53.159140	-0.671710	16.90	3.50	20.40
9	53.158240	-0.670650	16.68	3.50	20.18
10	53.158390	-0.670070	16.02	3.50	19.52
11	53.157840	-0.668790	15.77	3.50	19.27
12	53.159770	-0.664130	19.42	3.50	22.92
13	53.159920	-0.664410	18.34	3.50	21.84
14	53.160980	-0.661830	24.57	3.50	28.07
15	53.161160	-0.662010	24.26	3.50	27.76
16	53.161290	-0.661640	25.79	3.50	29.29
17	53.161160	-0.661450	26.00	3.50	29.50
18	53.162190	-0.659350	26.37	3.50	29.87
19	53.162080	-0.658850	26.32	3.50	29.82
20	53.162650	-0.657690	27.46	3.50	30.96
21	53.165690	-0.658340	22.77	3.50	26.27
22	53.165920	-0.658980	21.27	3.50	24.77
23	53.166210	-0.659430	20.99	3.50	24.49
24	53.165960	-0.661020	21.23	3.50	24.73
25	53.167980	-0.662370	18.26	3.50	21.76
26	53.167650	-0.663320	18.23	3.50	21.73
27	53.167500	-0.667240	23.91	3.50	27.41
28	53.164620	-0.668620	26.56	3.50	30.06
29	53.164820	-0.669520	27.49	3.50	30.99
30	53.163160	-0.671190	20.73	3.50	24.23
31	53.162730	-0.672050	18.84	3.50	22.34
32	53.162570	-0.673160	18.39	3.50	21.89
33	53.162750	-0.673700	17.85	3.50	21.35
34	53.162650	-0.674340	17.02	3.50	20.52

Name: PV array 4
Footprint area: 539,240 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.172585	-0.642585	14.81	3.50	18.31
2	53.173512	-0.648335	13.73	3.50	17.23
3	53.168740	-0.657433	17.19	3.50	20.69
4	53.168530	-0.657412	16.94	3.50	20.44
5	53.168310	-0.657830	18.09	3.50	21.59
6	53.168300	-0.658730	18.04	3.50	21.54
7	53.168070	-0.658890	17.95	3.50	21.45
8	53.165850	-0.657640	21.97	3.50	25.47
9	53.165650	-0.657980	23.24	3.50	26.74
10	53.162740	-0.657270	27.18	3.50	30.68
11	53.164580	-0.653290	23.23	3.50	26.73
12	53.166200	-0.654060	18.29	3.50	21.79
13	53.166850	-0.655520	18.20	3.50	21.70
14	53.167520	-0.655510	17.58	3.50	21.08
15	53.167980	-0.655110	18.44	3.50	21.94
16	53.169113	-0.651554	16.06	3.50	19.56
17	53.169113	-0.651060	15.41	3.50	18.91
18	53.168032	-0.650867	15.63	3.50	19.13
19	53.167955	-0.651597	16.07	3.50	19.57
20	53.167337	-0.651232	15.83	3.50	19.33
21	53.166077	-0.651103	19.26	3.50	22.76
22	53.166115	-0.650481	18.68	3.50	22.18
23	53.165961	-0.650181	19.78	3.50	23.28
24	53.168251	-0.644537	17.16	3.50	20.66
25	53.168920	-0.644687	16.30	3.50	19.80
26	53.170129	-0.644408	16.57	3.50	20.07
27	53.171132	-0.643754	15.25	3.50	18.75
28	53.171151	-0.643400	15.23	3.50	18.73
29	53.172000	-0.642681	14.97	3.50	18.47

Name: PV array 6
Footprint area: 178,317 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.167678	-0.644140	17.52	3.50	21.02
2	53.165556	-0.649011	19.39	3.50	22.89
3	53.164810	-0.644784	20.41	3.50	23.91
4	53.165350	-0.641716	16.27	3.50	19.77
5	53.163562	-0.640986	20.48	3.50	23.98
6	53.161902	-0.640643	22.38	3.50	25.88
7	53.159226	-0.640385	15.78	3.50	19.28
8	53.159329	-0.638197	13.14	3.50	16.64
9	53.162726	-0.638883	20.72	3.50	24.22
10	53.164115	-0.639205	17.21	3.50	20.71
11	53.165183	-0.639763	14.44	3.50	17.94
12	53.165800	-0.640707	14.81	3.50	18.31
13	53.166366	-0.642209	16.10	3.50	19.60
14	53.166971	-0.643282	16.63	3.50	20.13

Name: PV array 7
Footprint area: 491,698 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.164655	-0.651071	23.57	3.50	27.07
2	53.164218	-0.652101	24.34	3.50	27.84
3	53.163588	-0.652015	24.43	3.50	27.93
4	53.163575	-0.652466	24.10	3.50	27.60
5	53.163883	-0.652809	24.86	3.50	28.36
6	53.162790	-0.655406	26.04	3.50	29.54
7	53.162404	-0.655148	26.50	3.50	30.00
8	53.162082	-0.655835	27.39	3.50	30.89
9	53.162263	-0.656543	27.11	3.50	30.61
10	53.161516	-0.658324	26.25	3.50	29.75
11	53.158776	-0.654054	22.55	3.50	26.05
12	53.156879	-0.652104	18.45	3.50	21.95
13	53.156840	-0.650806	17.85	3.50	21.35
14	53.156634	-0.650474	16.75	3.50	20.25
15	53.155412	-0.650935	12.99	3.50	16.49
16	53.155245	-0.650441	12.47	3.50	15.97
17	53.154428	-0.650484	11.62	3.50	15.12
18	53.152317	-0.650581	10.82	3.50	14.32
19	53.151545	-0.650656	11.68	3.50	15.18
20	53.151481	-0.651761	11.49	3.50	14.99
21	53.151159	-0.651729	12.56	3.50	16.06
22	53.151178	-0.650924	12.32	3.50	15.82
23	53.150863	-0.650624	12.97	3.50	16.47
24	53.149042	-0.650581	13.39	3.50	16.89
25	53.149113	-0.652083	14.82	3.50	18.32
26	53.147459	-0.652115	10.92	3.50	14.42
27	53.147762	-0.654604	14.65	3.50	18.15
28	53.146730	-0.654770	11.29	3.50	14.79
29	53.146710	-0.654450	10.79	3.50	14.29
30	53.146660	-0.653930	9.99	3.50	13.49
31	53.146560	-0.653210	9.32	3.50	12.82
32	53.146500	-0.652650	9.65	3.50	13.15
33	53.146620	-0.652540	9.69	3.50	13.19
34	53.146670	-0.652330	9.64	3.50	13.14
35	53.146500	-0.650990	8.94	3.50	12.44
36	53.146830	-0.651060	9.07	3.50	12.57
37	53.147220	-0.650840	9.43	3.50	12.93
38	53.147530	-0.650419	9.95	3.50	13.45
39	53.148058	-0.647824	10.34	3.50	13.84
40	53.149293	-0.647502	11.75	3.50	15.25
41	53.149364	-0.647008	11.40	3.50	14.90
42	53.149004	-0.645163	9.84	3.50	13.34
43	53.149068	-0.644702	10.07	3.50	13.57
44	53.149589	-0.644659	10.09	3.50	13.59
45	53.150246	-0.645152	10.47	3.50	13.97
46	53.150709	-0.646118	10.77	3.50	14.27
47	53.150861	-0.646854	11.55	3.50	15.05
48	53.152186	-0.646683	10.55	3.50	14.05
49	53.152302	-0.648378	10.85	3.50	14.35
50	53.152559	-0.648356	11.03	3.50	14.53
51	53.152650	-0.647820	11.33	3.50	14.83
52	53.152843	-0.647562	10.51	3.50	14.01
53	53.152984	-0.648185	10.54	3.50	14.04
54	53.153396	-0.648850	10.72	3.50	14.22
55	53.153821	-0.649000	11.70	3.50	15.20
56	53.153821	-0.647176	11.57	3.50	15.07
57	53.157030	-0.647114	18.62	3.50	22.12
58	53.157911	-0.650923	21.21	3.50	24.71
59	53.159526	-0.650773	24.30	3.50	27.80
60	53.159841	-0.651545	25.93	3.50	29.43
61	53.160478	-0.652318	28.32	3.50	31.82
62	53.160542	-0.654142	27.00	3.50	30.50
63	53.161668	-0.654152	28.25	3.50	31.75
64	53.162003	-0.653691	27.32	3.50	30.82

65	53.161359	-0.652489	27.84	3.50	31.34
66	53.161314	-0.650848	28.23	3.50	31.73

Name: PV array 8
Footprint area: 15,661 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.149067	-0.644094	9.24	3.50	12.74
2	53.149505	-0.644029	9.82	3.50	13.32
3	53.149878	-0.644094	9.57	3.50	13.07
4	53.150888	-0.643353	9.27	3.50	12.77
5	53.150521	-0.642002	8.25	3.50	11.75
6	53.149871	-0.642806	8.50	3.50	12.00
7	53.149472	-0.642796	8.80	3.50	12.30
8	53.149215	-0.643192	8.74	3.50	12.24
9	53.149022	-0.644072	9.17	3.50	12.67

Name: PV array 9
Footprint area: 49,327 m^2
Axis tracking: Fixed (no rotation)
Tilt: 45.0 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	53.144980	-0.656700	12.95	3.50	16.45
2	53.143230	-0.656440	10.07	3.50	13.57
3	53.143170	-0.652900	8.94	3.50	12.44
4	53.143890	-0.652530	9.13	3.50	12.63
5	53.144200	-0.652530	9.20	3.50	12.70
6	53.144680	-0.653130	9.45	3.50	12.95
7	53.144910	-0.653050	9.39	3.50	12.89

2-Mile Flight Path Receptor(s)

Name: Blackmoor Farm RWY 06
Description:
Threshold height : 15 m
Direction: 57.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.157891	-0.586288	5.71	15.24	20.95
2-mile point	53.142144	-0.626775	11.81	177.83	189.63

Name: Blackmoor Farm RWY 24
Description:
Threshold height : 15 m
Direction: 237.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.159609	-0.581964	5.72	15.24	20.96
2-mile point	53.175356	-0.541475	75.17	114.48	189.65

Name: Peacocks Farm RWY 06
Description:
Threshold height : 15 m
Direction: 61.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.149038	-0.627060	11.67	15.24	26.91
2-mile point	53.135021	-0.669274	16.19	179.41	195.60

Name: Peacocks Farm RWY 24
Description:
Threshold height : 15 m
Direction: 241.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.151006	-0.621028	9.12	15.24	24.36
2-mile point	53.165023	-0.578812	5.02	188.03	193.05

Name: RAF Waddington RWY 02
Description:
Threshold height : 15 m
Direction: 21.5 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.154359	-0.531665	69.35	15.24	84.59
2-mile point	53.127459	-0.549356	30.20	223.07	253.27

Name: RAF Waddington RWY 20
Description:
Threshold height : 15 m
Direction: 201.5 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.176943	-0.516706	66.70	15.24	81.94
2-mile point	53.203844	-0.499005	42.50	208.12	250.63

Name: South Hykeham RWY 10
Description:
Threshold height : 15 m
Direction: 104.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.172905	-0.608049	9.20	15.24	24.44
2-mile point	53.179900	-0.654907	13.65	179.48	193.13

Name: South Hykeham RWY 13
Description:
Threshold height : 15 m
Direction: 125.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.174410	-0.608746	7.86	15.24	23.10
2-mile point	53.190994	-0.648306	12.94	178.85	191.79

Name: South Hykeham RWY 28
Description:
Threshold height : 15 m
Direction: 284.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.171587	-0.600882	5.96	15.24	21.20
2-mile point	53.164592	-0.554026	24.07	165.82	189.89

Name: South Hykeham RWY 31
Description:
Threshold height : 15 m
Direction: 305.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

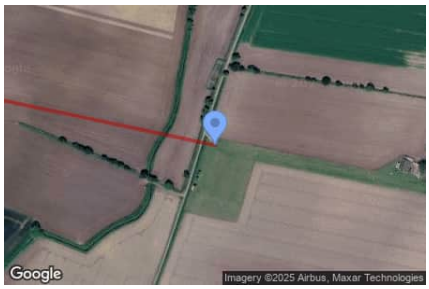
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.171413	-0.601032	5.63	15.24	20.87
2-mile point	53.154830	-0.561475	19.70	169.85	189.56

Name: South Scarle RW 28
Description:
Threshold height : 15 m
Direction: 282.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.158965	-0.722435	12.08	15.24	27.32
2-mile point	53.152954	-0.675213	16.89	179.11	196.00

Name: South Scarle RWY 10
Description:
Threshold height : 15 m
Direction: 102.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.159820	-0.729462	12.00	15.24	27.24
2-mile point	53.165832	-0.776685	7.31	188.62	195.92



Route Receptor(s)

Name: RAF Waddington Circuit Path East
Route type Two-way
View angle: 25.0 deg

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	53.154354	-0.531641	69.27	15.00	84.27
2	53.123805	-0.551852	22.19	400.00	422.19
3	53.112472	-0.492071	60.27	600.00	660.27
4	53.195509	-0.445471	21.02	600.00	621.02
5	53.207848	-0.496626	48.38	400.00	448.38
6	53.176891	-0.516689	66.61	15.00	81.61

Name: RAF Waddington Circuit Path West
Route type Two-way
View angle: 25.0 deg

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	53.154353	-0.531666	69.35	15.00	84.35
2	53.123842	-0.552073	21.93	400.00	421.93
3	53.136176	-0.604645	6.68	600.00	606.68
4	53.220035	-0.548740	6.81	600.00	606.81
5	53.207957	-0.496727	48.30	400.00	448.30
6	53.176923	-0.516769	66.71	15.00	81.71

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	m	m	m
1-ATCT	53.172167	-0.523800	69.28	10.00	79.28

1-ATCT map image

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	
PV array 1	45.0	180.0	10,482	425	-	-
PV array 10	45.0	180.0	49,743	8,883	-	-
PV array 11	45.0	180.0	88,733	7,696	-	-
PV array 12	45.0	180.0	18,869	0	-	-
PV array 13	45.0	180.0	16,786	0	-	-
PV array 14	45.0	180.0	9,520	662	-	-
PV array 15	45.0	180.0	3,850	0	-	-
PV array 2	45.0	180.0	9,976	174	-	-
PV array 3	45.0	180.0	11,422	37	-	-
PV array 4	45.0	180.0	10,704	675	-	-
PV array 6	45.0	180.0	7,908	0	-	-
PV array 7	45.0	180.0	16,765	0	-	-
PV array 8	45.0	180.0	6,717	0	-	-
PV array 9	45.0	180.0	4,969	0	-	-

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
pv-array-1 (green)	0	0	662	1028	1193	1552	1515	709	1229	0	0	0
pv-array-1 (yellow)	0	0	0	211	0	0	0	129	85	0	0	0
pv-array-10 (green)	161	1411	2957	6234	7738	6934	7569	7541	3693	1956	477	0
pv-array-10 (yellow)	0	441	1894	1382	716	9	324	1237	1816	1062	2	0
pv-array-11 (green)	1187	4416	7423	9517	8834	4668	6974	10039	8118	5970	2030	181
pv-array-11 (yellow)	0	253	1682	1208	311	541	524	782	1653	742	0	0
pv-array-12 (green)	1759	2242	2679	1419	16	0	0	815	2315	2631	1885	1500
pv-array-12 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-13 (green)	161	1852	4560	921	0	0	0	247	3677	3086	481	0
pv-array-13 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-14 (green)	0	54	2277	1508	0	0	0	597	2635	606	0	0
pv-array-14 (yellow)	0	0	329	0	0	0	0	0	260	73	0	0
pv-array-15 (green)	0	0	718	536	0	0	0	181	999	76	0	0
pv-array-15 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-2 (green)	0	0	495	1391	1031	1198	1151	1267	947	0	0	0
pv-array-2 (yellow)	0	0	0	85	0	0	0	9	70	0	0	0
pv-array-3 (green)	0	0	520	681	1704	1847	1833	859	911	0	0	0
pv-array-3 (yellow)	0	0	19	0	0	0	0	0	18	0	0	0
pv-array-4 (green)	0	0	492	1140	1083	1836	1444	1068	875	0	0	0
pv-array-4 (yellow)	0	0	135	202	0	0	0	33	305	0	0	0
pv-array-6 (green)	0	0	580	778	797	1601	1252	470	1004	0	0	0
pv-array-6 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-7 (green)	0	0	384	1764	2377	2257	2382	2156	866	0	0	0
pv-array-7 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-8 (green)	0	0	0	522	2017	0	1107	1425	0	0	0	0
pv-array-8 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-9 (green)	0	0	167	1150	111	726	186	845	585	0	0	0
pv-array-9 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

PV array 1 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	947	0
FP: South Hykeham RWY 31	1080	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	1496	425
OP: 1-ATCT	70	0
Route: RAF Waddington Circuit Path East	2887	0
Route: RAF Waddington Circuit Path West	4002	0

PV array 1: Blackmoor Farm RWY 06

No glare found

PV array 1: Blackmoor Farm RWY 24

No glare found

PV array 1: Peacocks Farm RWY 06

No glare found

PV array 1: Peacocks Farm RWY 24

No glare found

PV array 1: RAF Waddington RWY 02

No glare found

PV array 1: RAF Waddington RWY 20

No glare found

PV array 1: South Hykeham RWY 10

No glare found

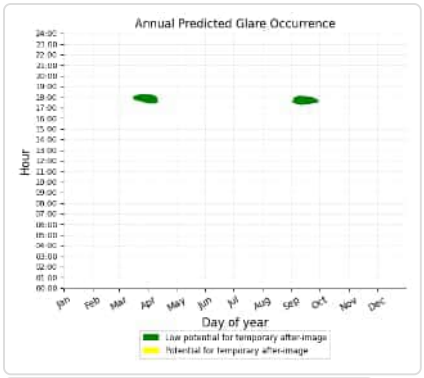
PV array 1: South Hykeham RWY 13

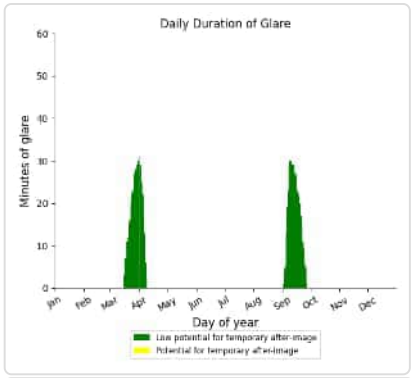
No glare found

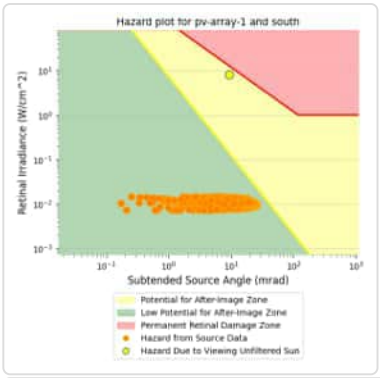
PV array 1: South Hykeham RWY 28

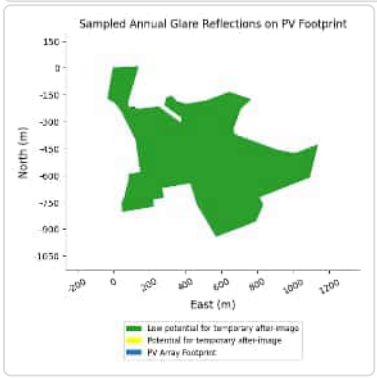
PV array is expected to produce the following glare for this receptor:

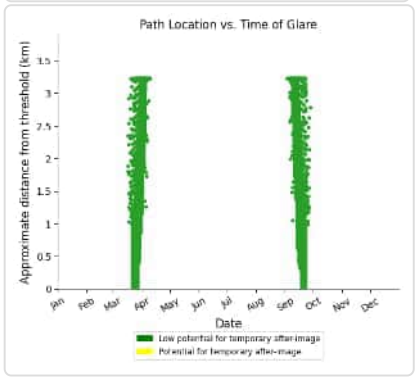
- 947 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

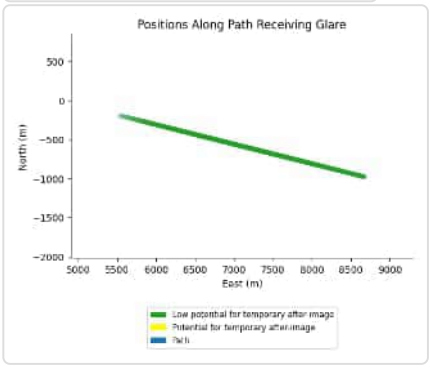








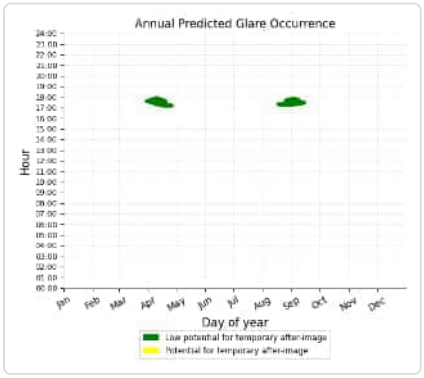


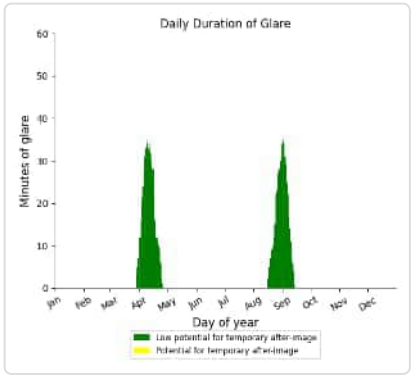


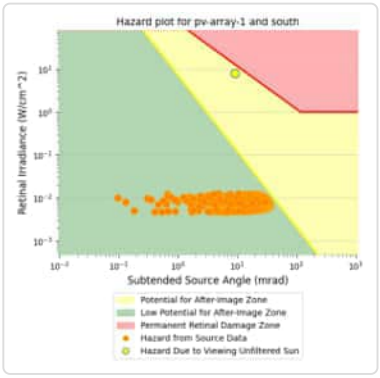
PV array 1: South Hykeham RWY 31

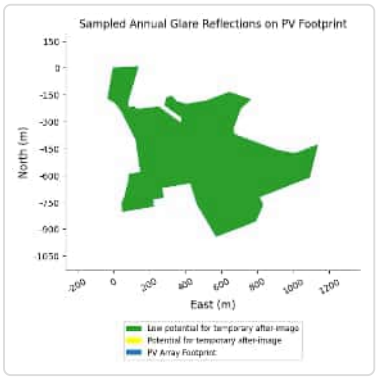
PV array is expected to produce the following glare for this receptor:

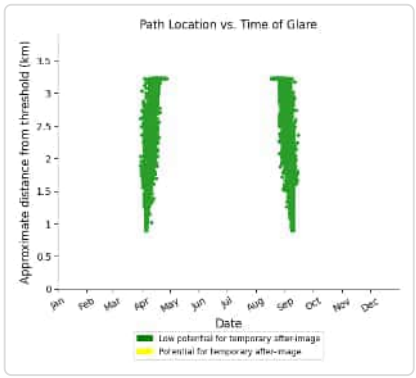
- 1,080 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

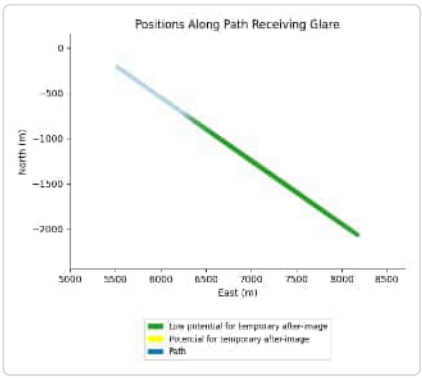












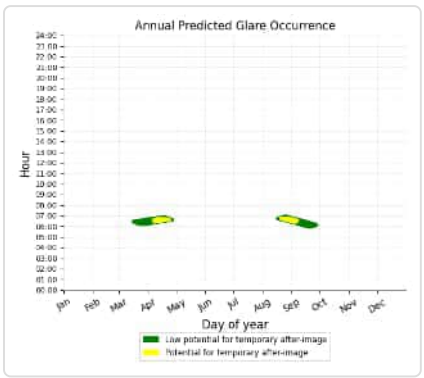
PV array 1: South Scarle RW 28

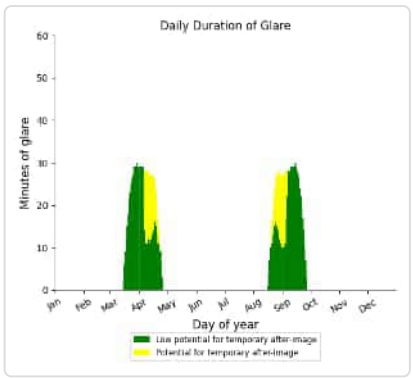
No glare found

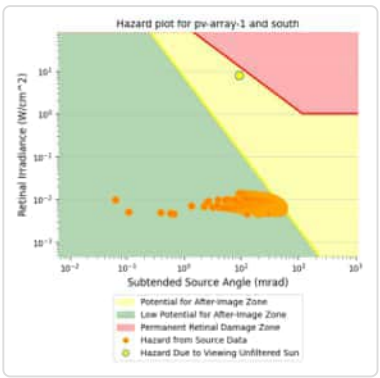
PV array 1: South Scarle RWY 10

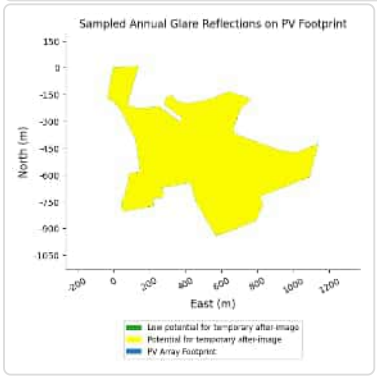
PV array is expected to produce the following glare for this receptor:

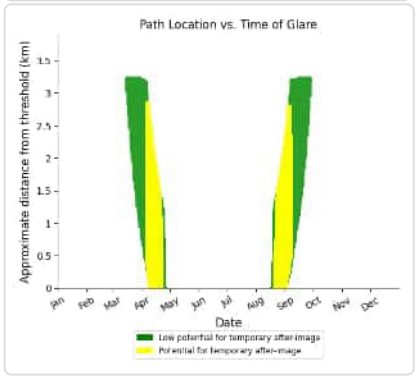
- 1,496 minutes of "green" glare with low potential to cause temporary after-image.
- 425 minutes of "yellow" glare with potential to cause temporary after-image.

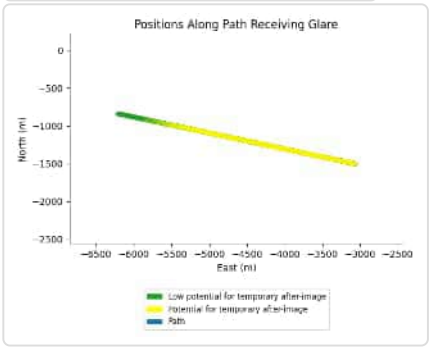








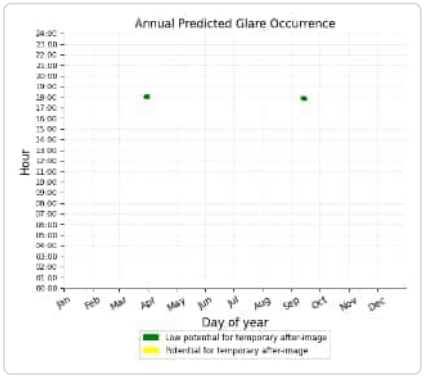


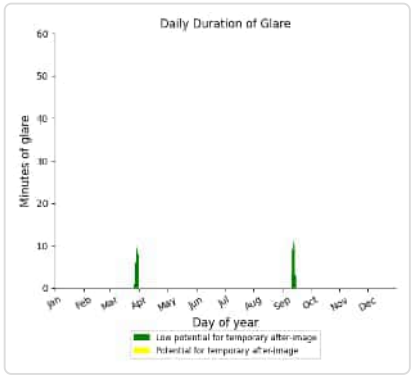


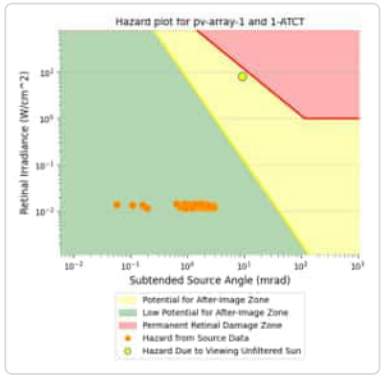
PV array 1: 1-ATCT

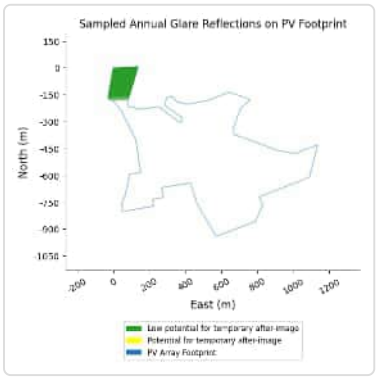
PV array is expected to produce the following glare for this receptor:

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





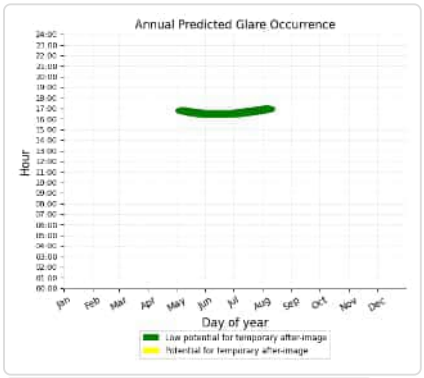


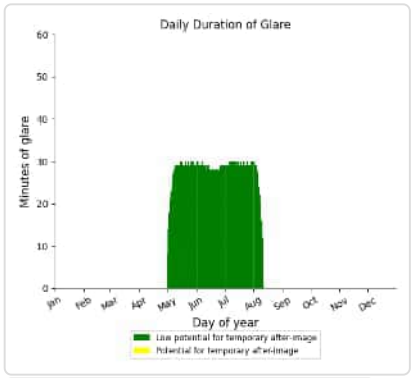


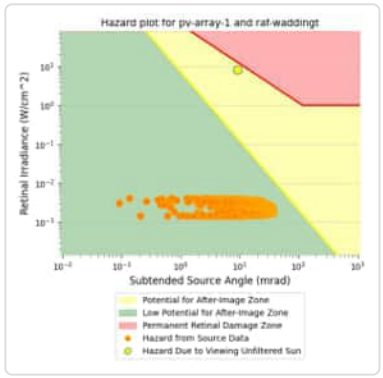
PV array 1: RAF Waddington Circuit Path East

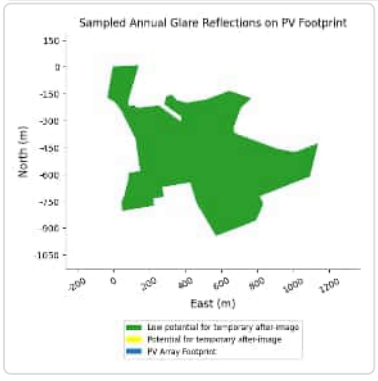
PV array is expected to produce the following glare for this receptor:

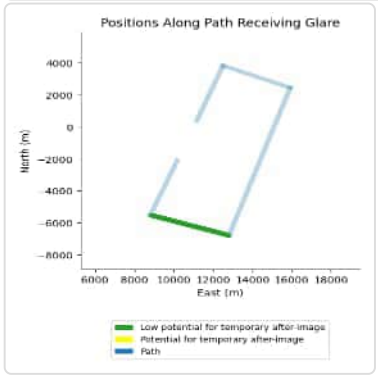
- 2,887 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







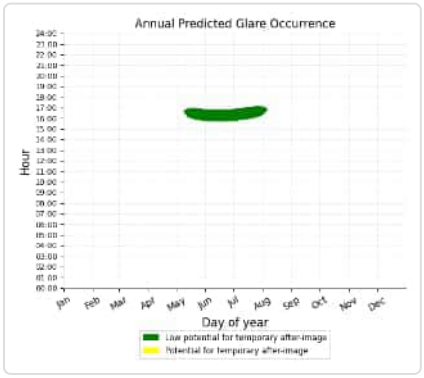


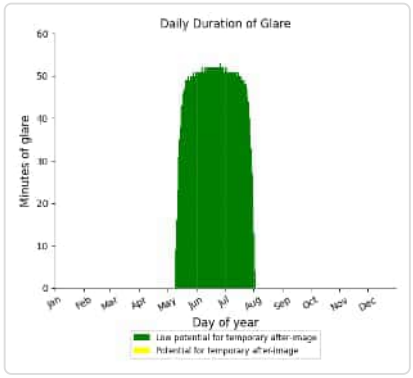


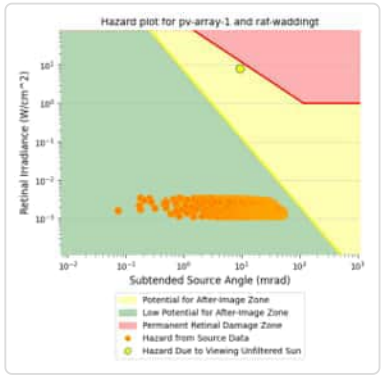
PV array 1: RAF Waddington Circuit Path West

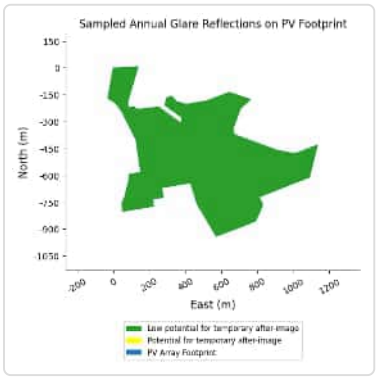
PV array is expected to produce the following glare for this receptor:

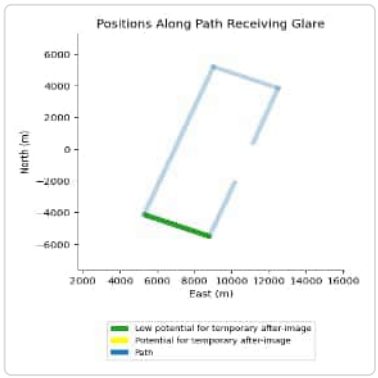
- 4,002 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 10 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	34124	8883
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	0	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	3386	0
Route: RAF Waddington Circuit Path West	12233	0

PV array 10: Blackmoor Farm RWY 06

No glare found

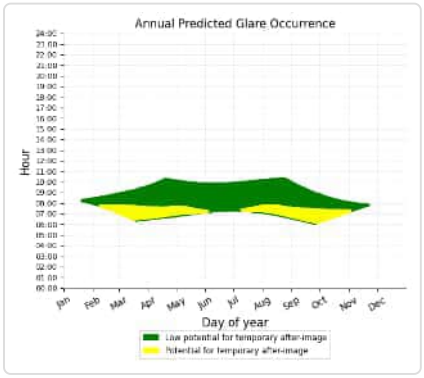
PV array 10: Blackmoor Farm RWY 24

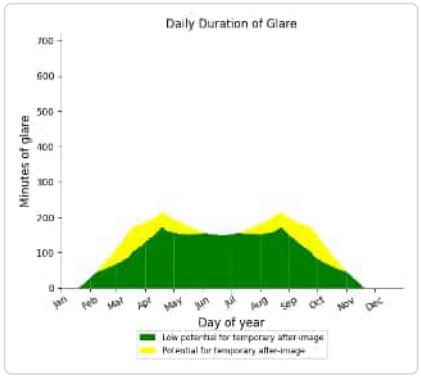
No glare found

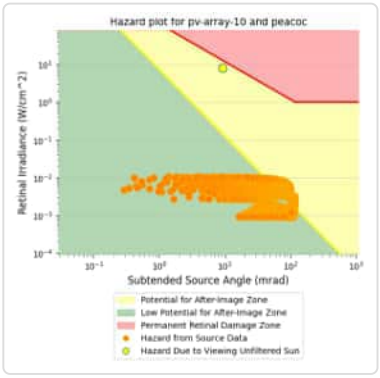
PV array 10: Peacocks Farm RWY 06

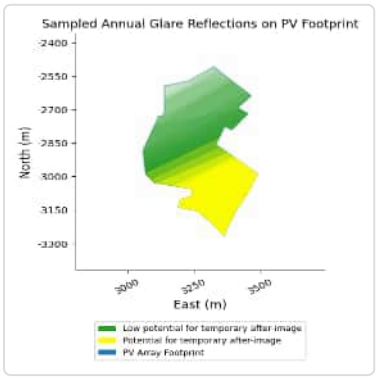
PV array is expected to produce the following glare for this receptor:

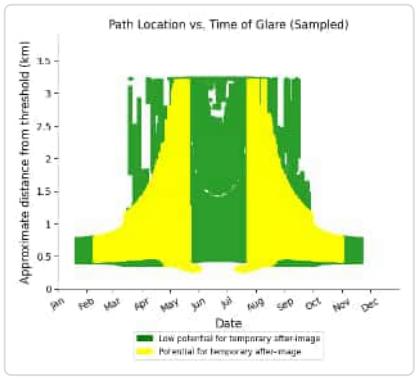
- 34,124 minutes of "green" glare with low potential to cause temporary after-image.
- 8,883 minutes of "yellow" glare with potential to cause temporary after-image.

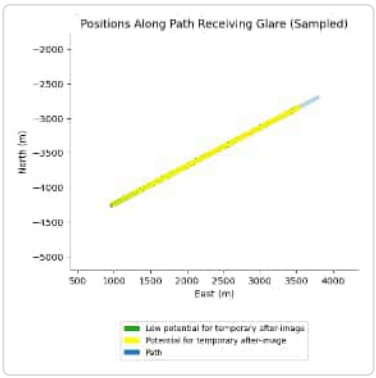












PV array 10: Peacocks Farm RWY 24

No glare found

PV array 10: RAF Waddington RWY 02

No glare found

PV array 10: RAF Waddington RWY 20

No glare found

PV array 10: South Hykeham RWY 10

No glare found

PV array 10: South Hykeham RWY 13

No glare found

PV array 10: South Hykeham RWY 28

No glare found

PV array 10: South Hykeham RWY 31

No glare found

PV array 10: South Scarle RW 28

No glare found

PV array 10: South Scarle RWY 10

No glare found

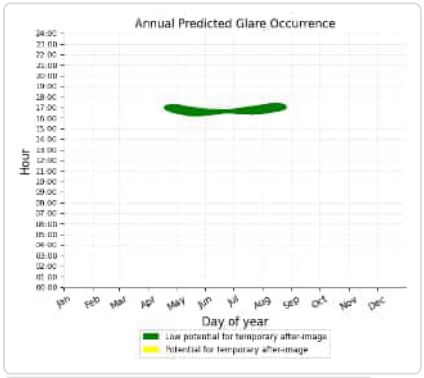
PV array 10: 1-ATCT

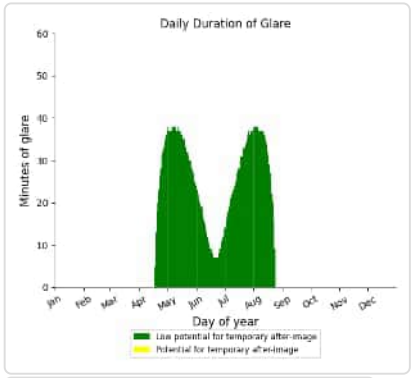
No glare found

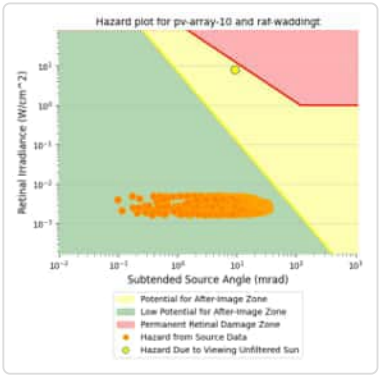
PV array 10: RAF Waddington Circuit Path East

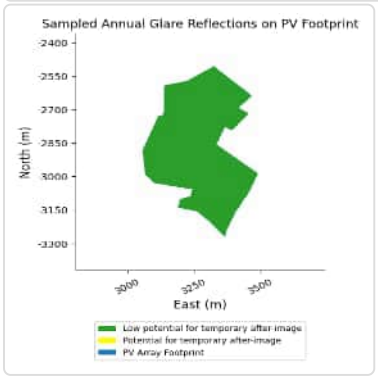
PV array is expected to produce the following glare for this receptor:

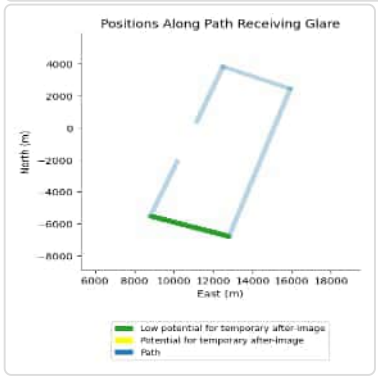
- 3,386 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







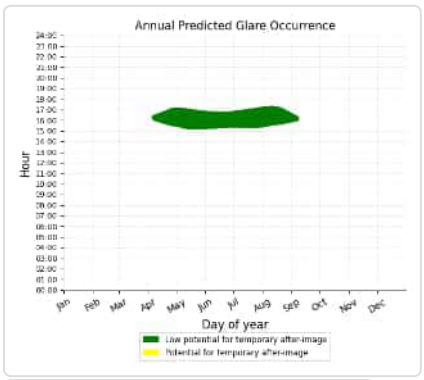


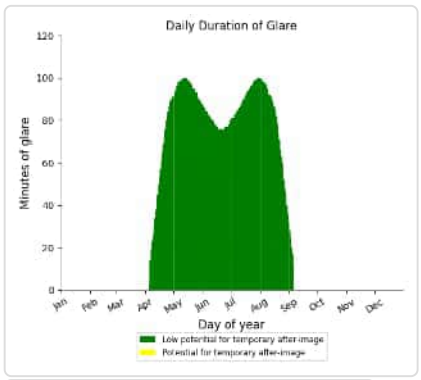


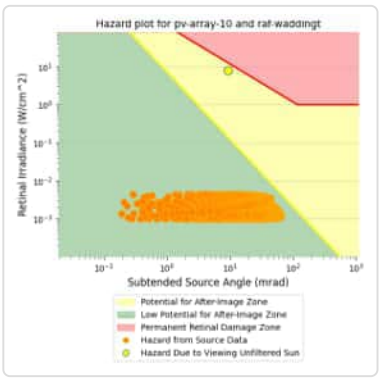
PV array 10: RAF Waddington Circuit Path West

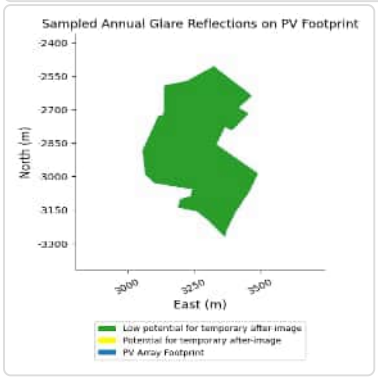
PV array is expected to produce the following glare for this receptor:

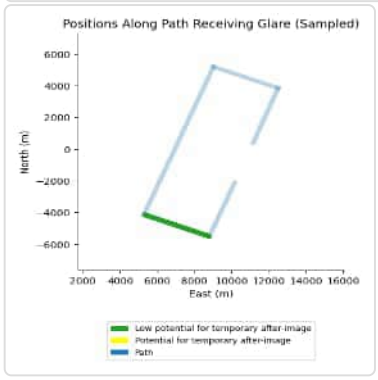
- 12,233 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











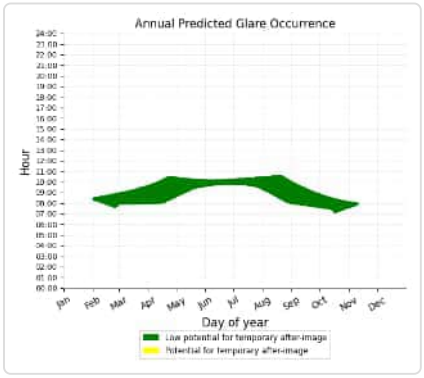
PV array 11 potential temporary after-image

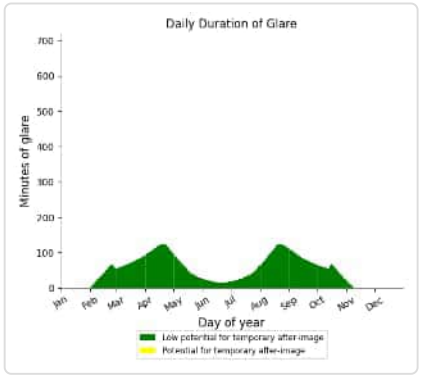
Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	17496	0
FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	36646	7197
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	0	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	4062	0
Route: RAF Waddington Circuit Path West	30529	499

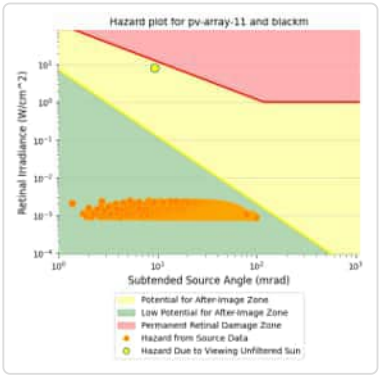
PV array 11: Blackmoor Farm RWY 06

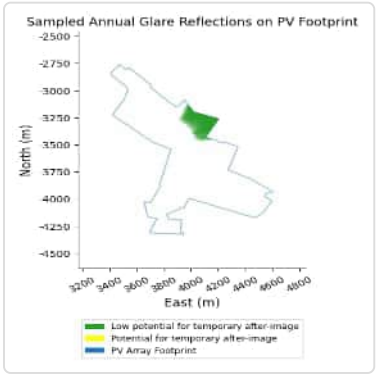
PV array is expected to produce the following glare for this receptor:

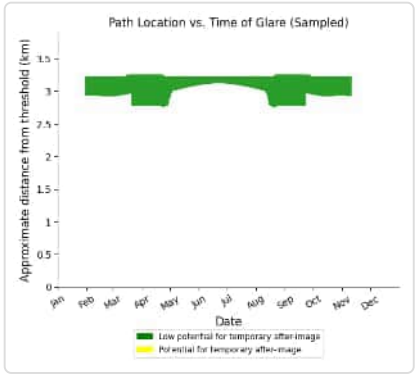
- 17,496 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

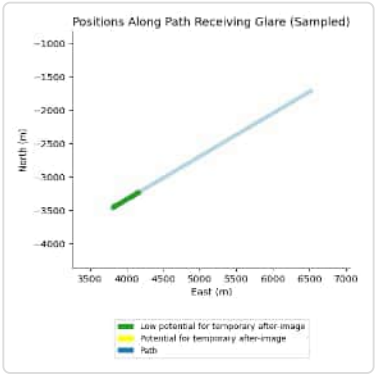












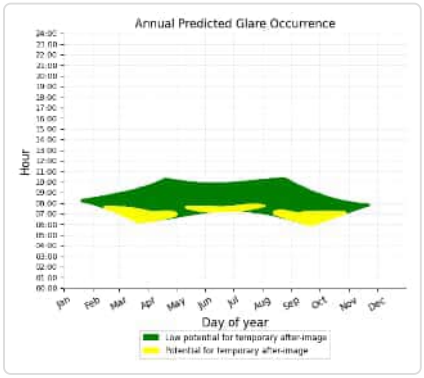
PV array 11: Blackmoor Farm RWY 24

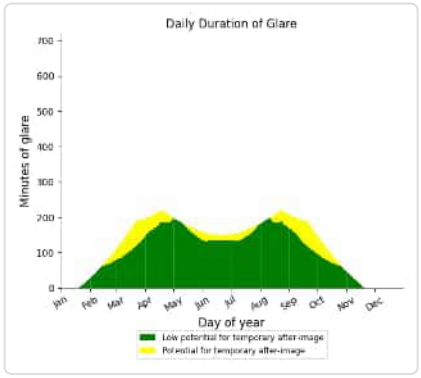
No glare found

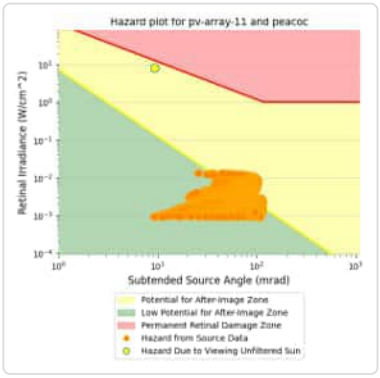
PV array 11: Peacocks Farm RWY 06

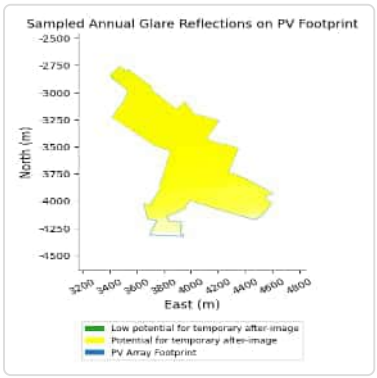
PV array is expected to produce the following glare for this receptor:

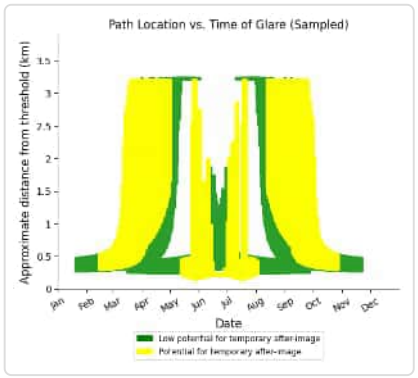
- 36,646 minutes of "green" glare with low potential to cause temporary after-image.
- 7,197 minutes of "yellow" glare with potential to cause temporary after-image.

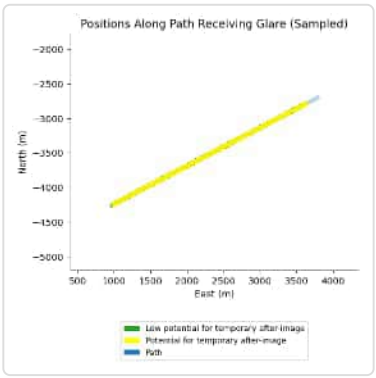












PV array 11: Peacocks Farm RWY 24

No glare found

PV array 11: RAF Waddington RWY 02

No glare found

PV array 11: RAF Waddington RWY 20

No glare found

PV array 11: South Hykeham RWY 10

No glare found

PV array 11: South Hykeham RWY 13

No glare found

PV array 11: South Hykeham RWY 28

No glare found

PV array 11: South Hykeham RWY 31

No glare found

PV array 11: South Scarle RW 28

No glare found

PV array 11: South Scarle RWY 10

No glare found

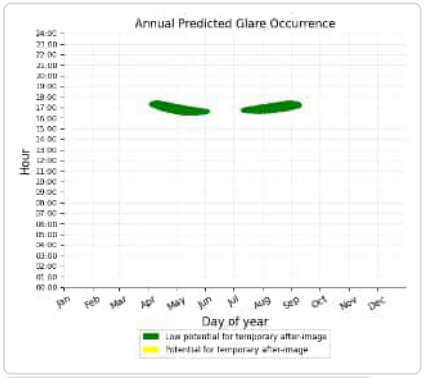
PV array 11: 1-ATCT

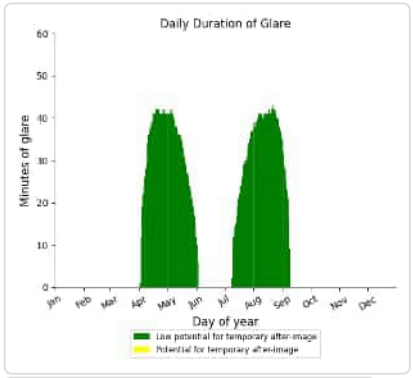
No glare found

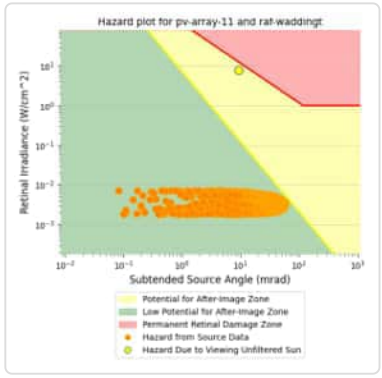
PV array 11: RAF Waddington Circuit Path East

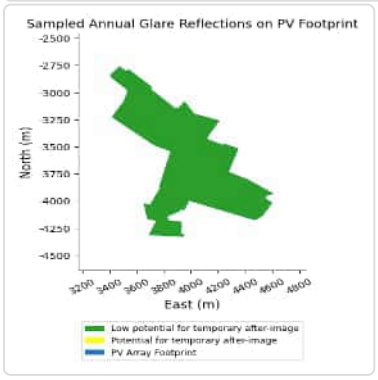
PV array is expected to produce the following glare for this receptor:

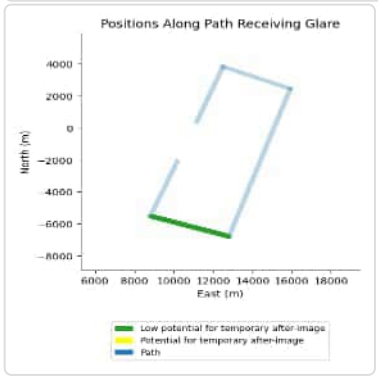
- 4,062 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







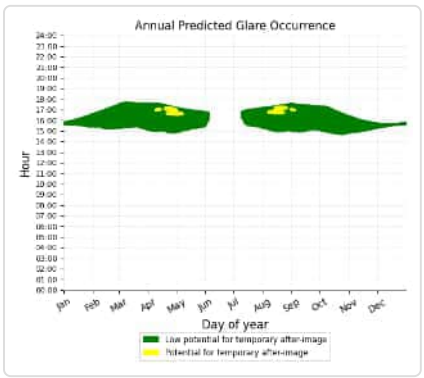


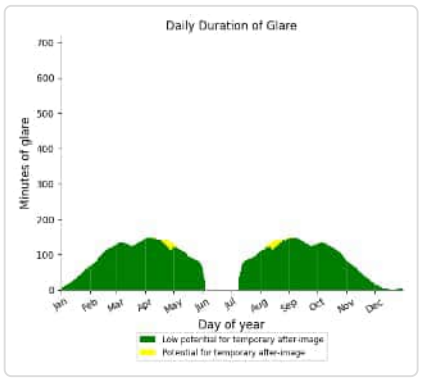


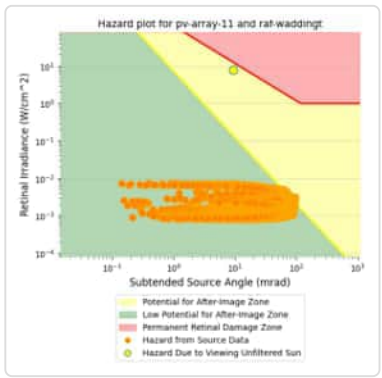
PV array 11: RAF Waddington Circuit Path West

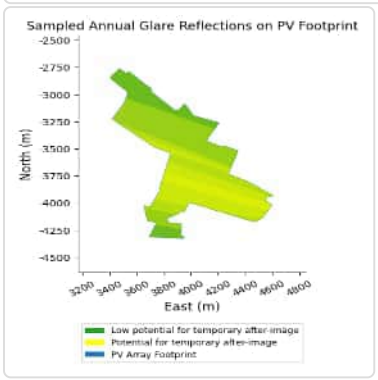
PV array is expected to produce the following glare for this receptor:

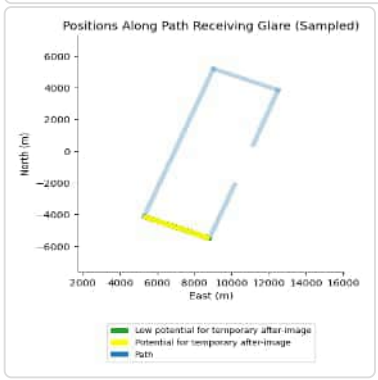
- 30,529 minutes of "green" glare with low potential to cause temporary after-image.
- 499 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 12 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	538	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	0	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	1800	0
Route: RAF Waddington Circuit Path West	16531	0

PV array 12: Blackmoor Farm RWY 06

No glare found

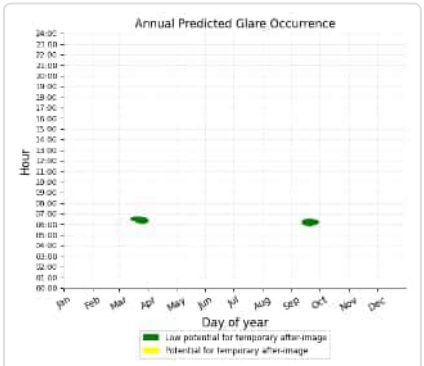
PV array 12: Blackmoor Farm RWY 24

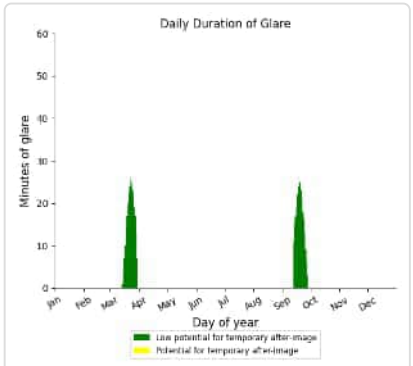
No glare found

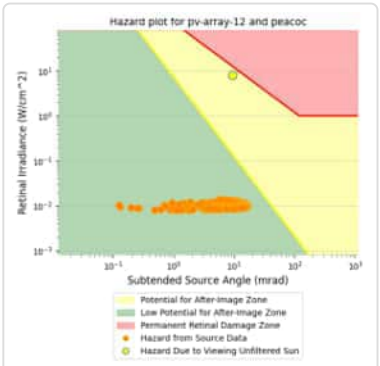
PV array 12: Peacocks Farm RWY 06

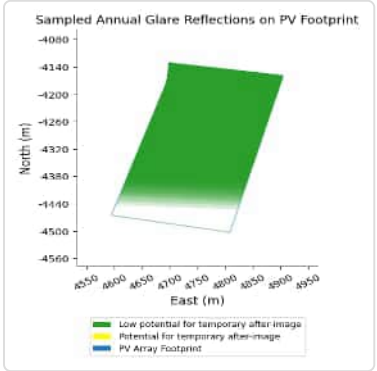
PV array is expected to produce the following glare for this receptor:

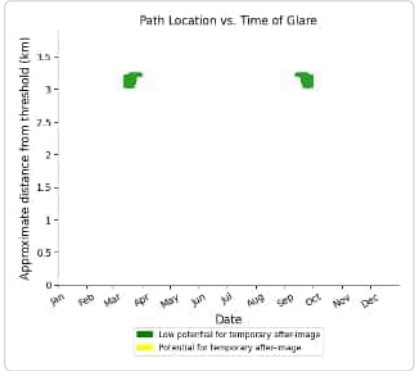
- 538 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

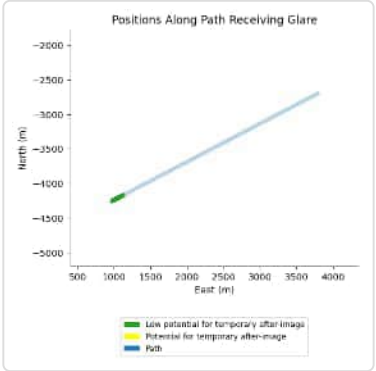












PV array 12: Peacocks Farm RWY 24

No glare found

PV array 12: RAF Waddington RWY 02

No glare found

PV array 12: RAF Waddington RWY 20

No glare found

PV array 12: South Hykeham RWY 10

No glare found

PV array 12: South Hykeham RWY 13

No glare found

PV array 12: South Hykeham RWY 28

No glare found

PV array 12: South Hykeham RWY 31

No glare found

PV array 12: South Scarle RW 28

No glare found

PV array 12: South Scarle RWY 10

No glare found

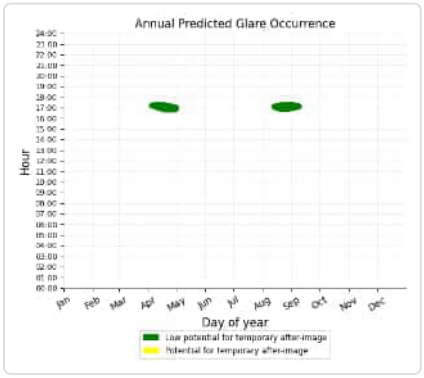
PV array 12: 1-ATCT

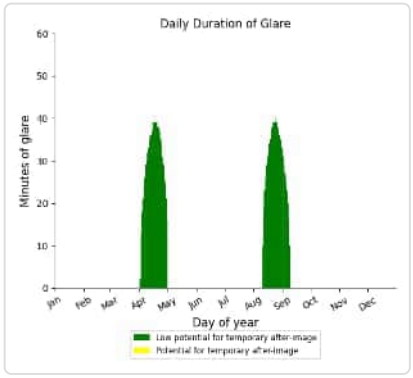
No glare found

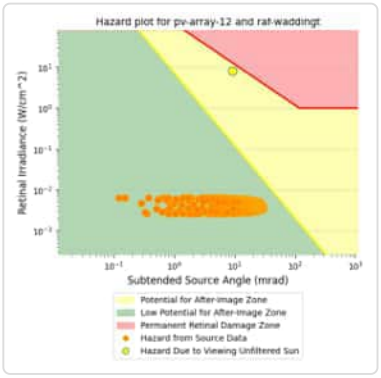
PV array 12: RAF Waddington Circuit Path East

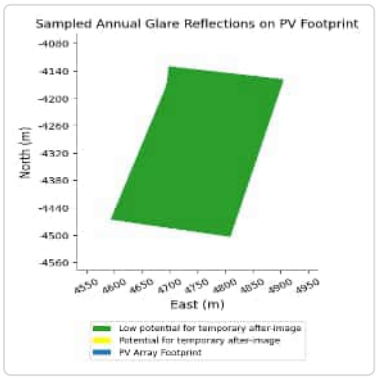
PV array is expected to produce the following glare for this receptor:

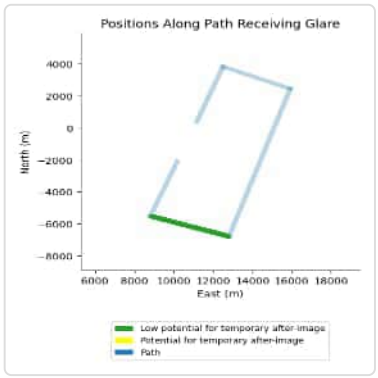
- 1,800 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







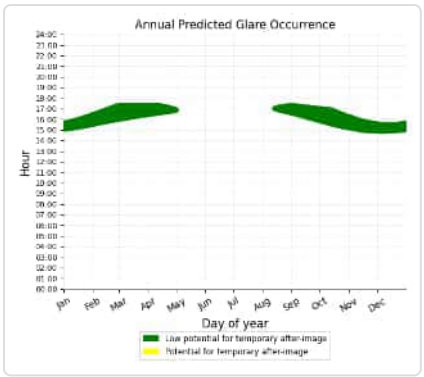


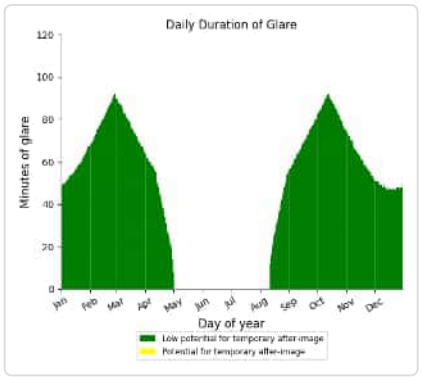


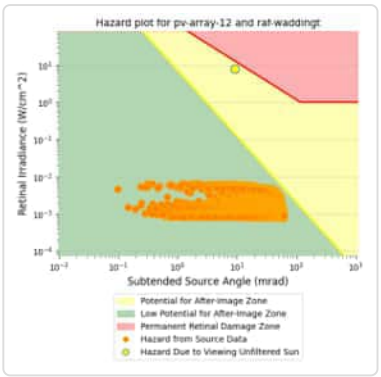
PV array 12: RAF Waddington Circuit Path West

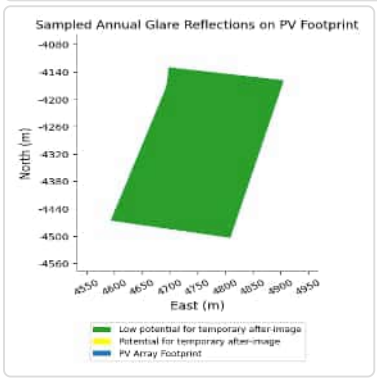
PV array is expected to produce the following glare for this receptor:

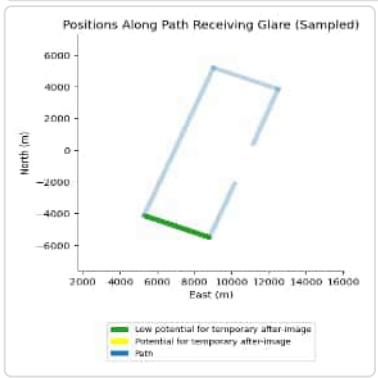
- 16,531 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 13 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0

FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	12143	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	0	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	2171	0
Route: RAF Waddington Circuit Path West	2472	0

PV array 13: Blackmoor Farm RWY 06

No glare found

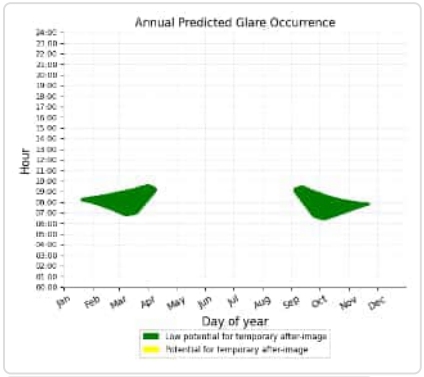
PV array 13: Blackmoor Farm RWY 24

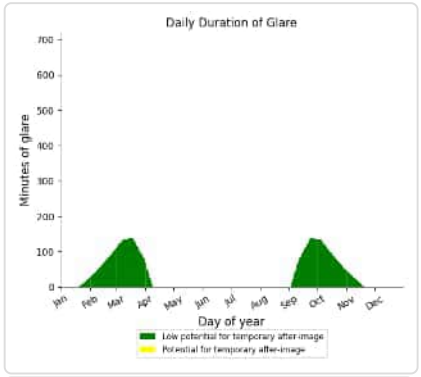
No glare found

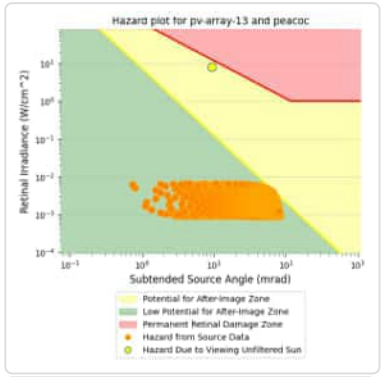
PV array 13: Peacocks Farm RWY 06

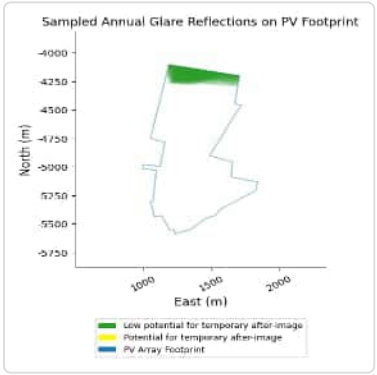
PV array is expected to produce the following glare for this receptor:

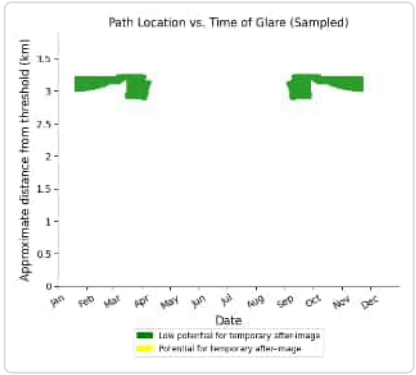
- 12,143 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

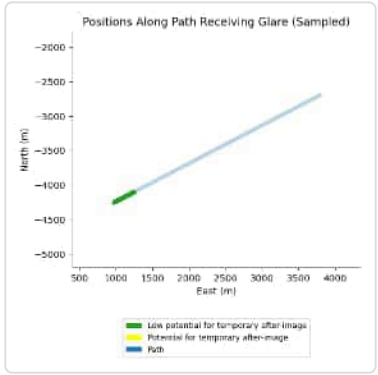












PV array 13: Peacocks Farm RWY 24

No glare found

PV array 13: RAF Waddington RWY 02

No glare found

PV array 13: RAF Waddington RWY 20

No glare found

PV array 13: South Hykeham RWY 10

No glare found

PV array 13: South Hykeham RWY 13

No glare found

PV array 13: South Hykeham RWY 28

No glare found

PV array 13: South Hykeham RWY 31

No glare found

PV array 13: South Scarle RW 28

No glare found

PV array 13: South Scarle RWY 10

No glare found

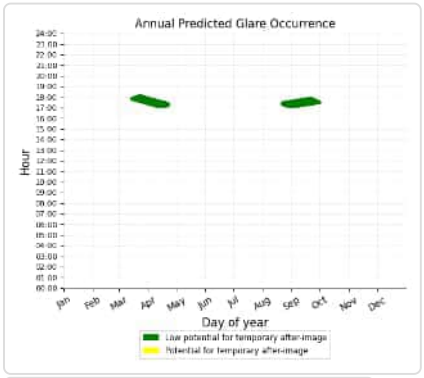
PV array 13: 1-ATCT

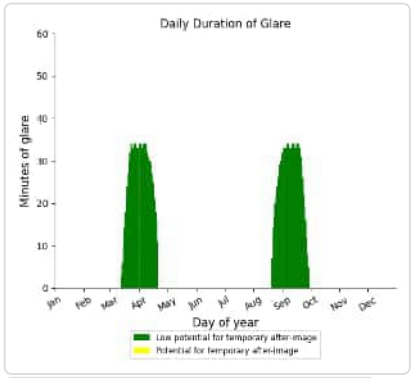
No glare found

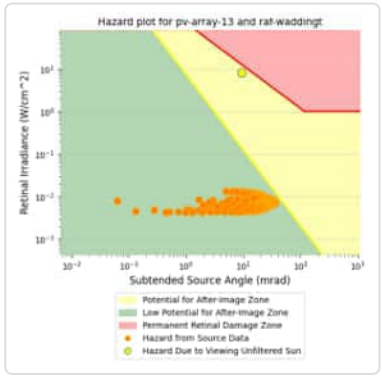
PV array 13: RAF Waddington Circuit Path East

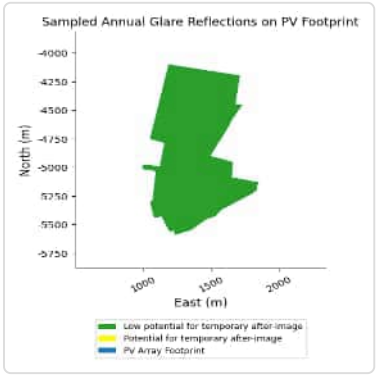
PV array is expected to produce the following glare for this receptor:

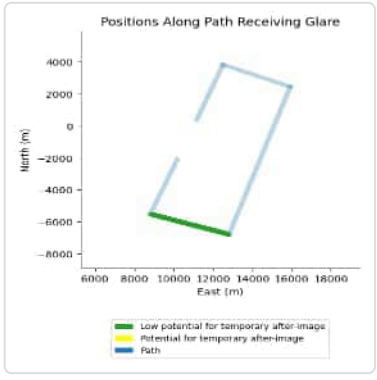
- 2,171 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







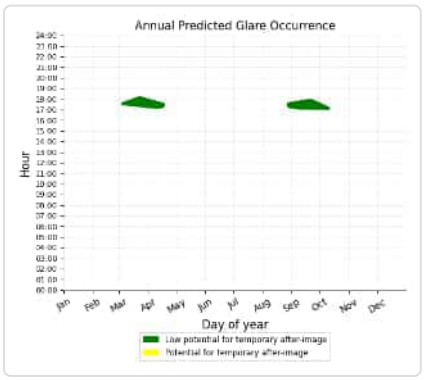


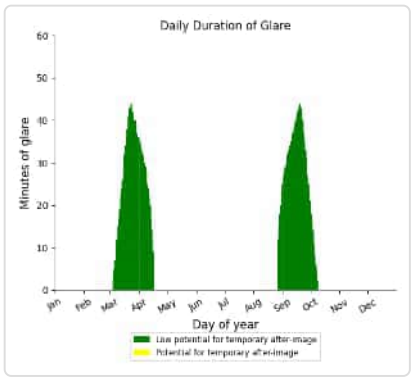


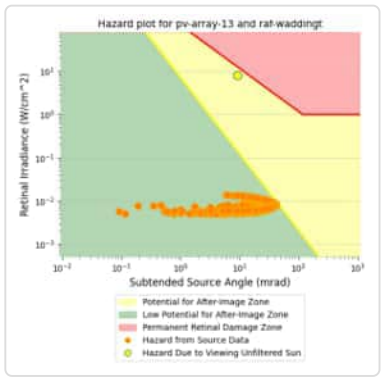
PV array 13: RAF Waddington Circuit Path West

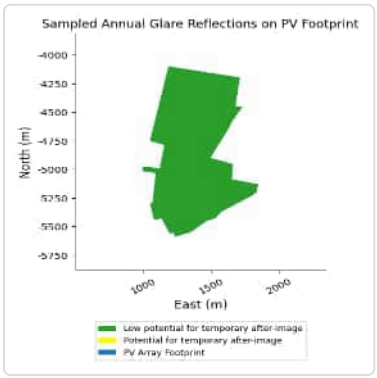
PV array is expected to produce the following glare for this receptor:

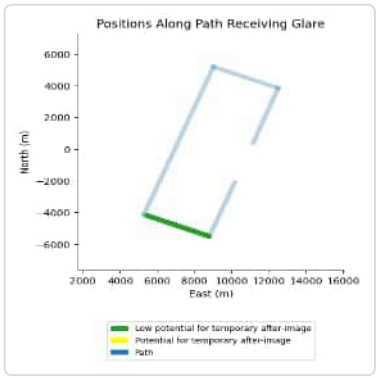
- 2,472 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 14 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	3565	662
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	0	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	2091	0
Route: RAF Waddington Circuit Path West	3864	0

PV array 14: Blackmoor Farm RWY 06

No glare found

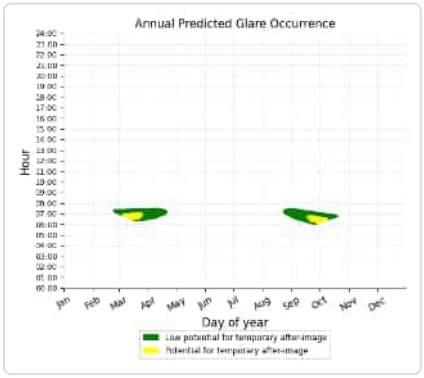
PV array 14: Blackmoor Farm RWY 24

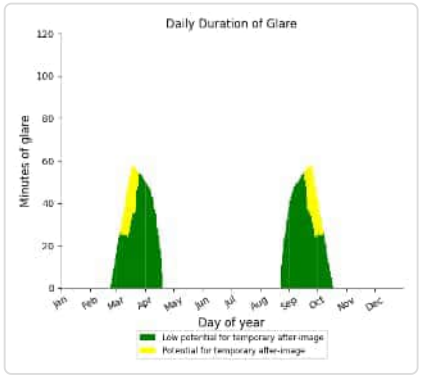
No glare found

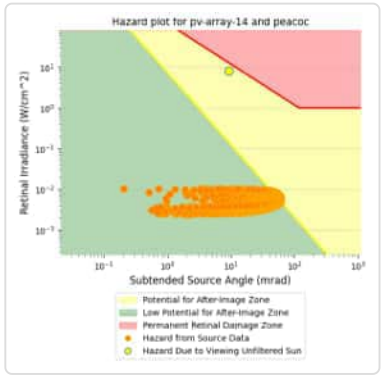
PV array 14: Peacocks Farm RWY 06

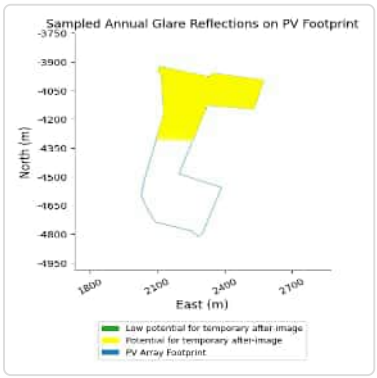
PV array is expected to produce the following glare for this receptor:

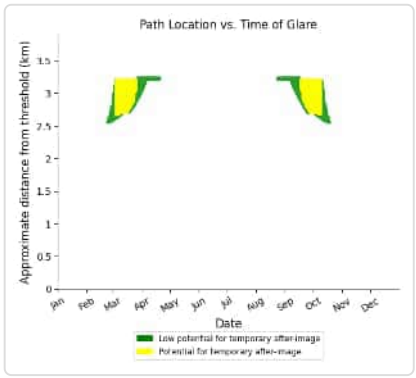
- 3,565 minutes of "green" glare with low potential to cause temporary after-image.
- 662 minutes of "yellow" glare with potential to cause temporary after-image.

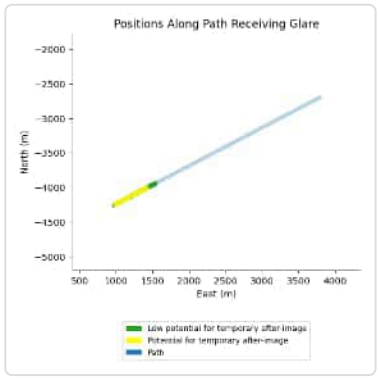












PV array 14: Peacocks Farm RWY 24

No glare found

PV array 14: RAF Waddington RWY 02

No glare found

PV array 14: RAF Waddington RWY 20

No glare found

PV array 14: South Hykeham RWY 10

No glare found

PV array 14: South Hykeham RWY 13

No glare found

PV array 14: South Hykeham RWY 28

No glare found

PV array 14: South Hykeham RWY 31

No glare found

PV array 14: South Scarle RW 28

No glare found

PV array 14: South Scarle RWY 10

No glare found

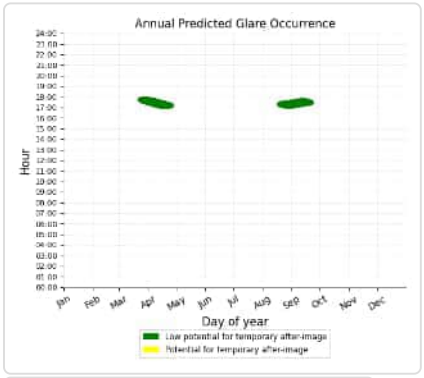
PV array 14: 1-ATCT

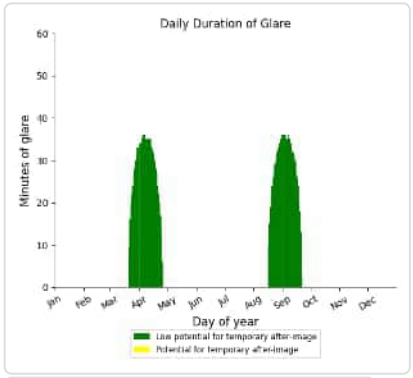
No glare found

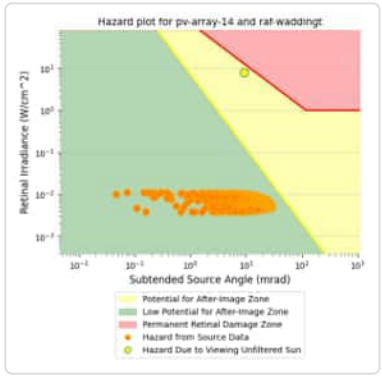
PV array 14: RAF Waddington Circuit Path East

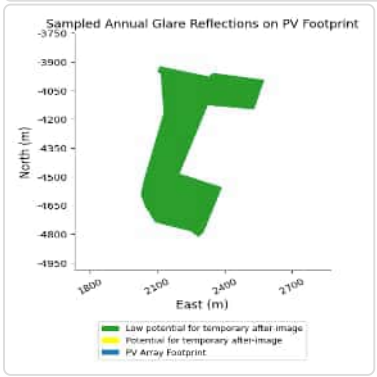
PV array is expected to produce the following glare for this receptor:

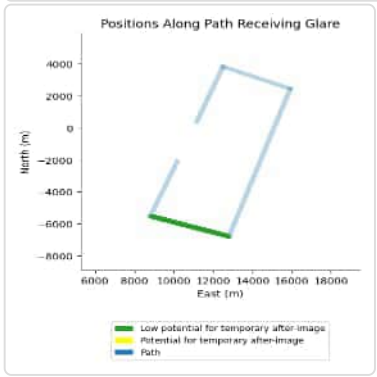
- 2,091 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







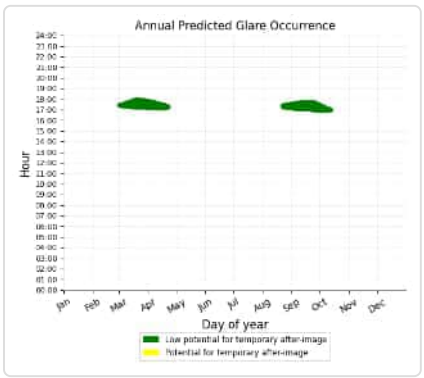


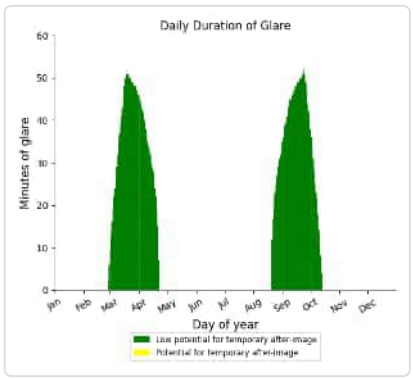


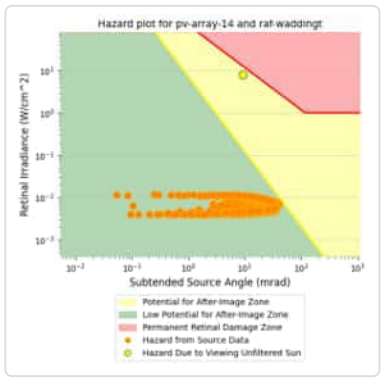
PV array 14: RAF Waddington Circuit Path West

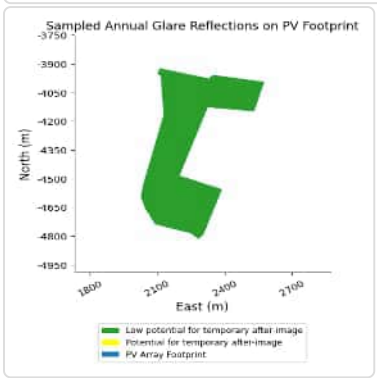
PV array is expected to produce the following glare for this receptor:

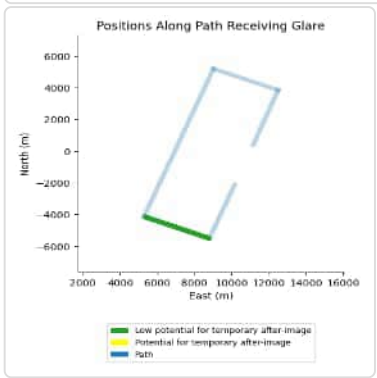
- 3,864 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 15 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	0	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	1843	0
Route: RAF Waddington Circuit Path West	2007	0

PV array 15: Blackmoor Farm RWY 06

No glare found

PV array 15: Blackmoor Farm RWY 24

No glare found

PV array 15: Peacocks Farm RWY 06

No glare found

PV array 15: Peacocks Farm RWY 24

No glare found

PV array 15: RAF Waddington RWY 02

No glare found

PV array 15: RAF Waddington RWY 20

No glare found

PV array 15: South Hykeham RWY 10

No glare found

PV array 15: South Hykeham RWY 13

No glare found

PV array 15: South Hykeham RWY 28

No glare found

PV array 15: South Hykeham RWY 31

No glare found

PV array 15: South Scarle RW 28

No glare found

PV array 15: South Scarle RWY 10

No glare found

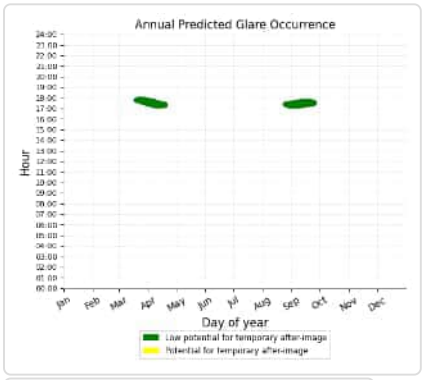
PV array 15: 1-ATCT

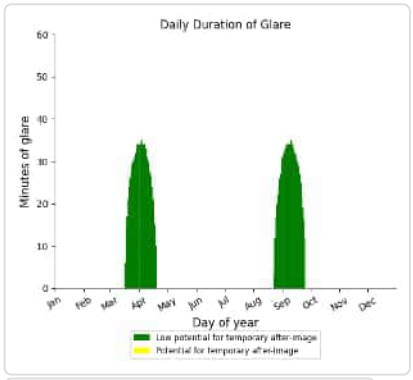
No glare found

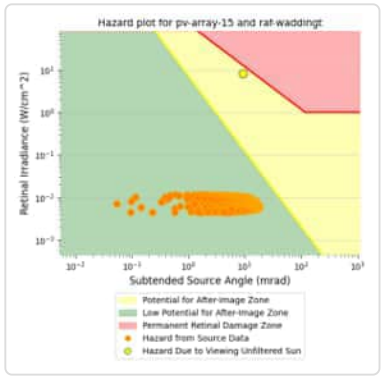
PV array 15: RAF Waddington Circuit Path East

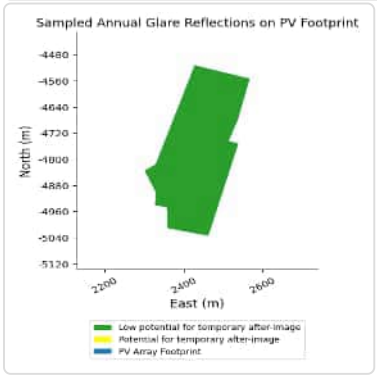
PV array is expected to produce the following glare for this receptor:

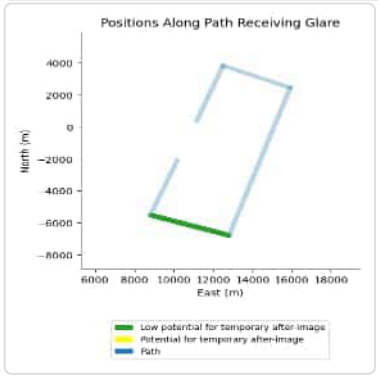
- 1,843 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







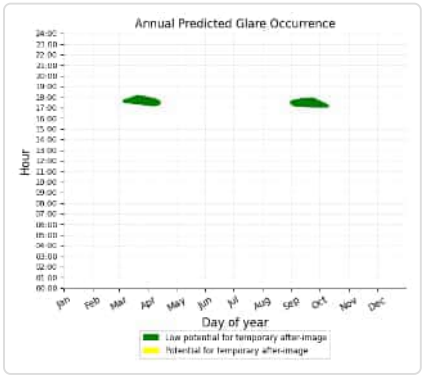


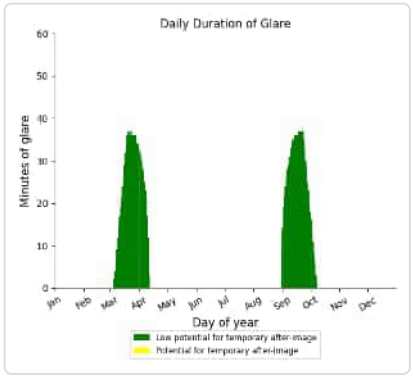


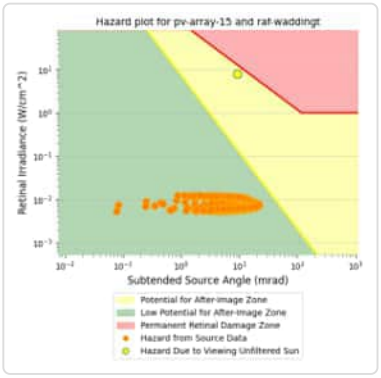
PV array 15: RAF Waddington Circuit Path West

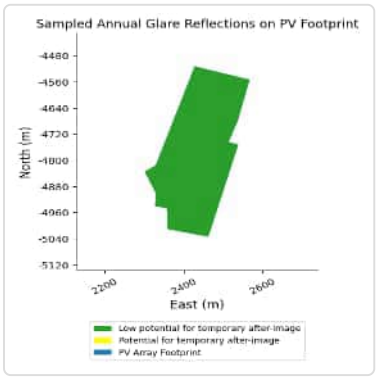
PV array is expected to produce the following glare for this receptor:

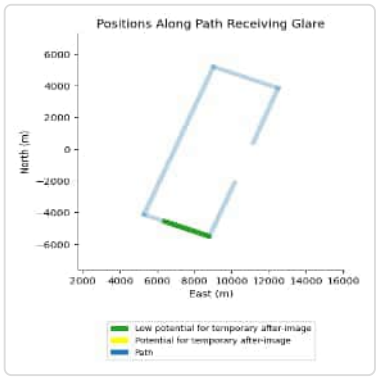
- 2,007 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 2 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	1802	11
FP: South Hykeham RWY 31	2481	163
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	1616	0
OP: 1-ATCT	689	0
Route: RAF Waddington Circuit Path East	2697	0
Route: RAF Waddington Circuit Path West	691	0

PV array 2: Blackmoor Farm RWY 06

No glare found

PV array 2: Blackmoor Farm RWY 24

No glare found

PV array 2: Peacocks Farm RWY 06

No glare found

PV array 2: Peacocks Farm RWY 24

No glare found

PV array 2: RAF Waddington RWY 02

No glare found

PV array 2: RAF Waddington RWY 20

No glare found

PV array 2: South Hykeham RWY 10

No glare found

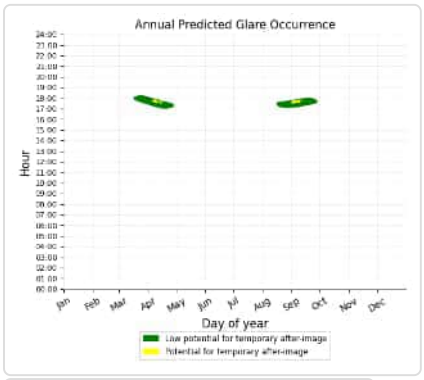
PV array 2: South Hykeham RWY 13

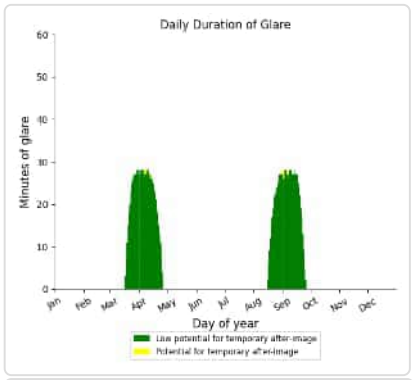
No glare found

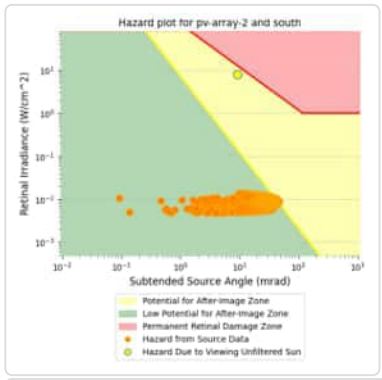
PV array 2: South Hykeham RWY 28

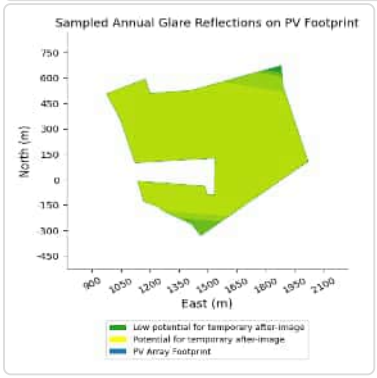
PV array is expected to produce the following glare for this receptor:

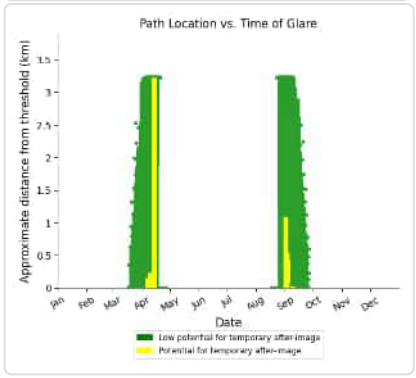
- 1,802 minutes of "green" glare with low potential to cause temporary after-image.
- 11 minutes of "yellow" glare with potential to cause temporary after-image.

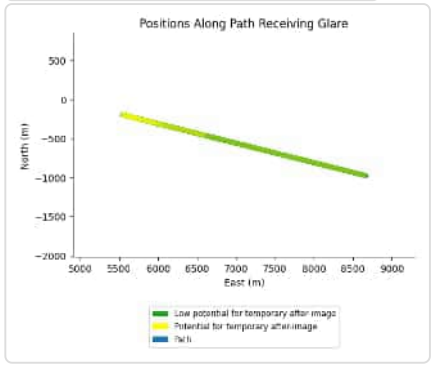








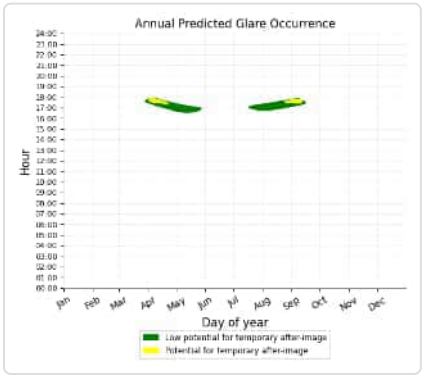


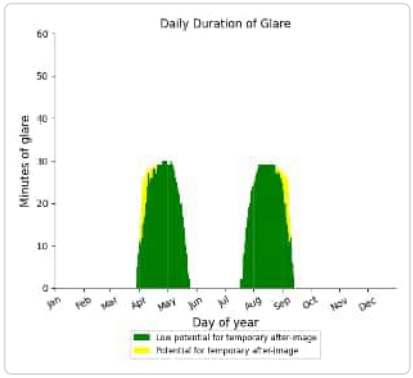


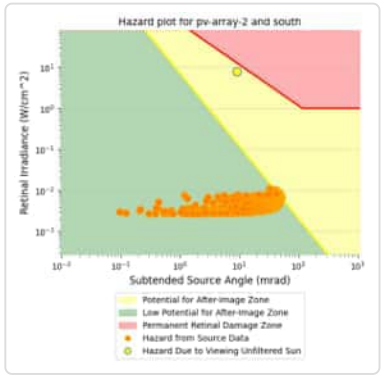
PV array 2: South Hykeham RWY 31

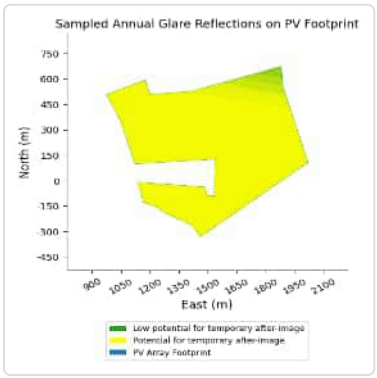
PV array is expected to produce the following glare for this receptor:

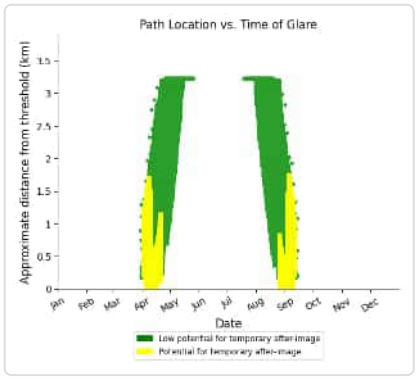
- 2,481 minutes of "green" glare with low potential to cause temporary after-image.
- 163 minutes of "yellow" glare with potential to cause temporary after-image.

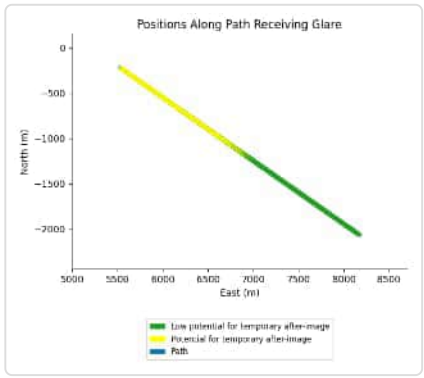












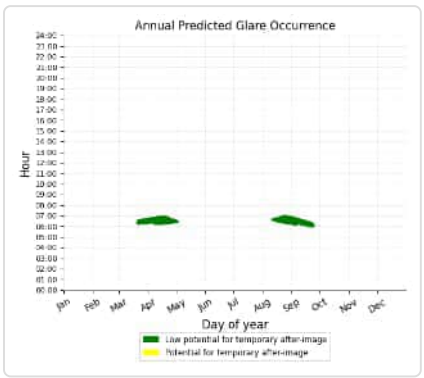
PV array 2: South Scarle RW 28

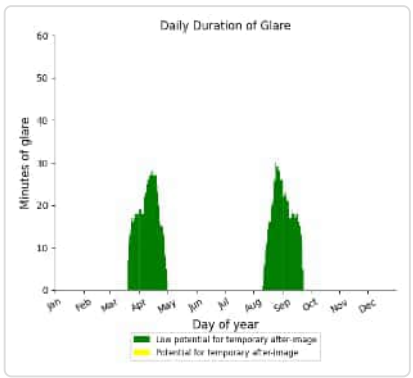
No glare found

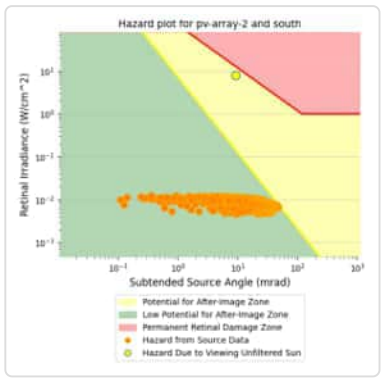
PV array 2: South Scarle RWY 10

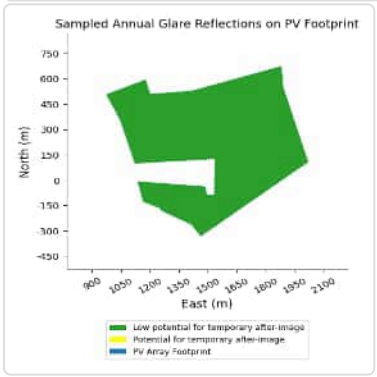
PV array is expected to produce the following glare for this receptor:

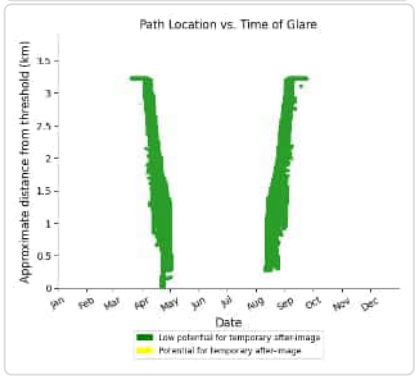
- 1,616 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

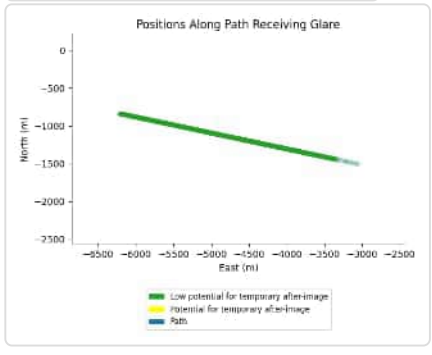








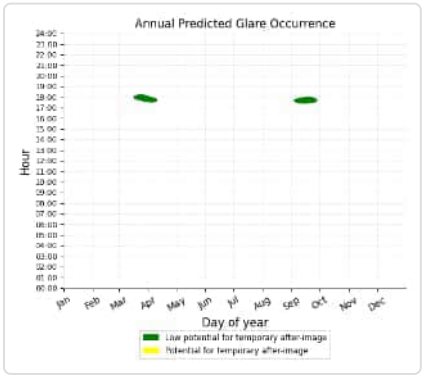


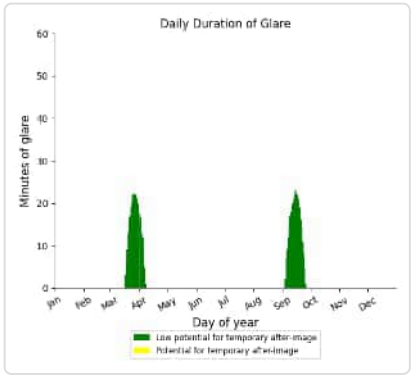


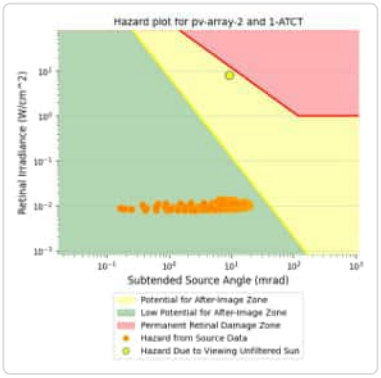
PV array 2: 1-ATCT

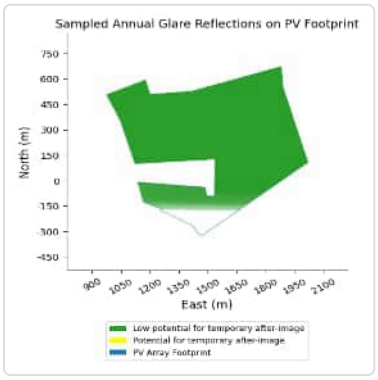
PV array is expected to produce the following glare for this receptor:

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





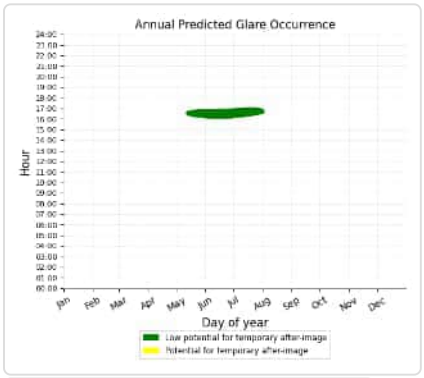


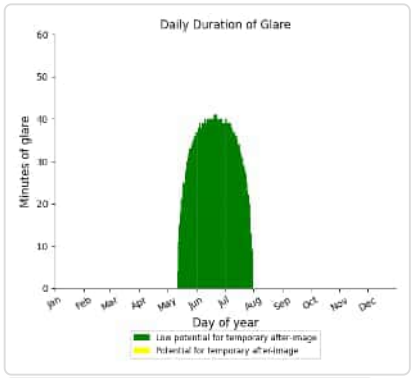


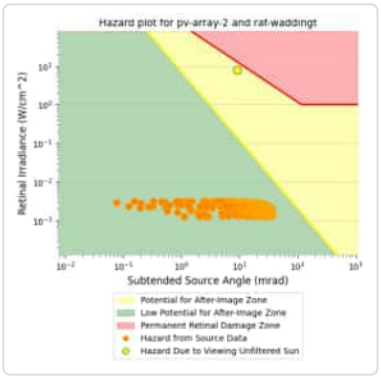
PV array 2: RAF Waddington Circuit Path East

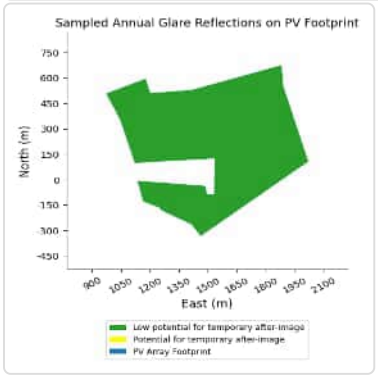
PV array is expected to produce the following glare for this receptor:

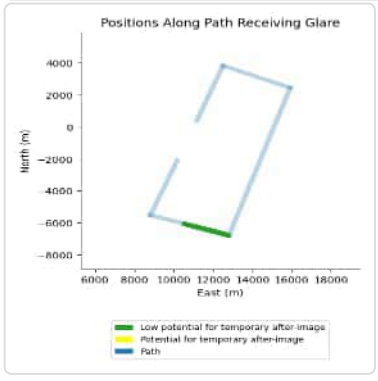
- 2,697 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







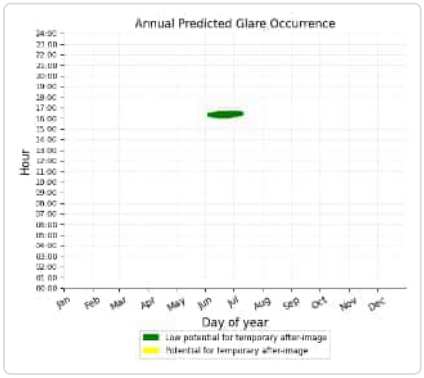


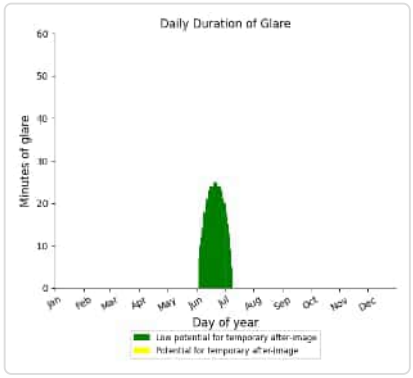


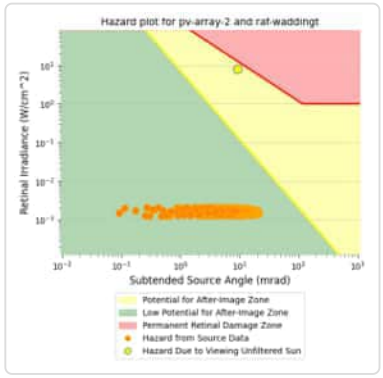
PV array 2: RAF Waddington Circuit Path West

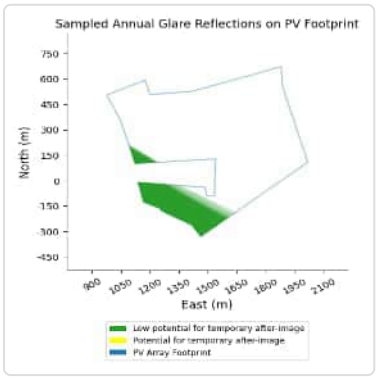
PV array is expected to produce the following glare for this receptor:

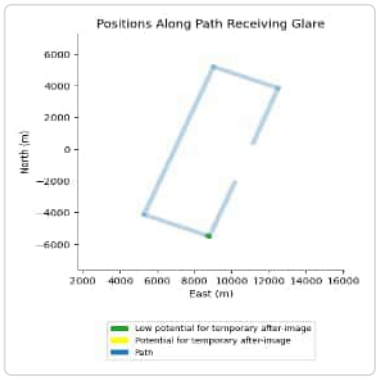
- 691 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 3 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	484	0
FP: South Hykeham RWY 31	774	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	968	37
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	3485	0
Route: RAF Waddington Circuit Path West	5711	0

PV array 3: Blackmoor Farm RWY 06

No glare found

PV array 3: Blackmoor Farm RWY 24

No glare found

PV array 3: Peacocks Farm RWY 06

No glare found

PV array 3: Peacocks Farm RWY 24

No glare found

PV array 3: RAF Waddington RWY 02

No glare found

PV array 3: RAF Waddington RWY 20

No glare found

PV array 3: South Hykeham RWY 10

No glare found

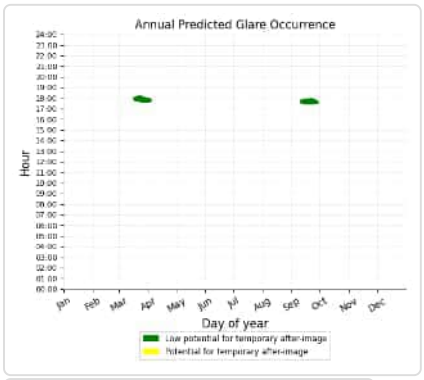
PV array 3: South Hykeham RWY 13

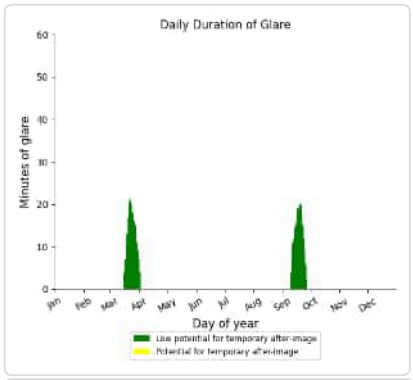
No glare found

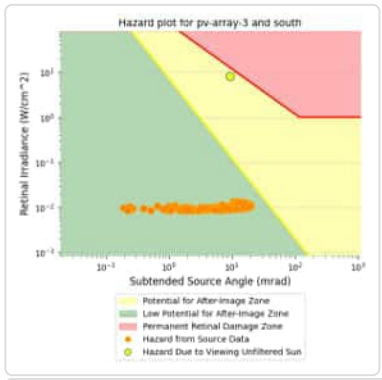
PV array 3: South Hykeham RWY 28

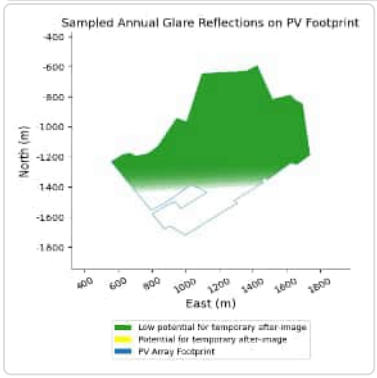
PV array is expected to produce the following glare for this receptor:

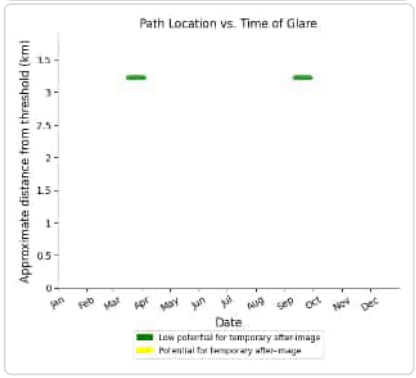
- 484 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

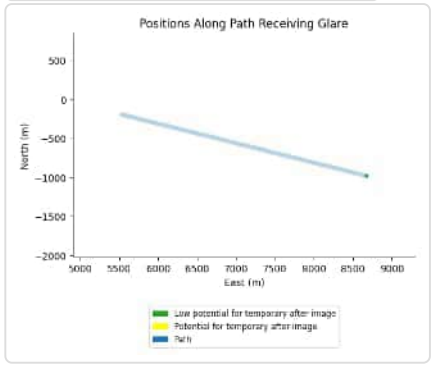








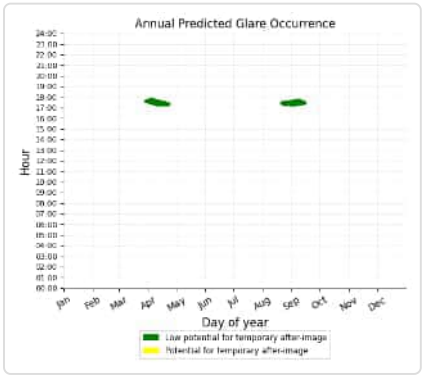


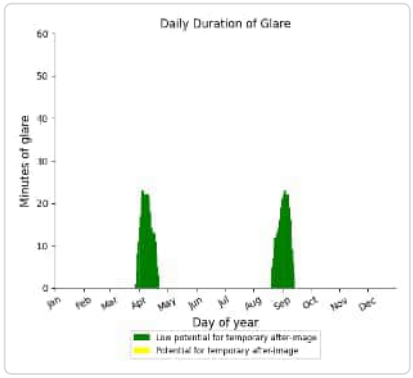


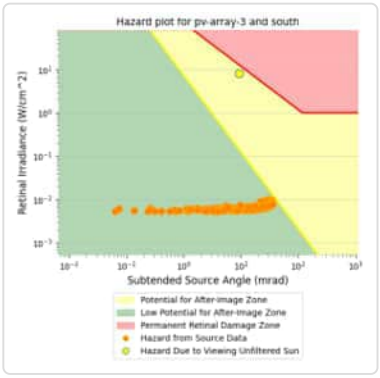
PV array 3: South Hykeham RWY 31

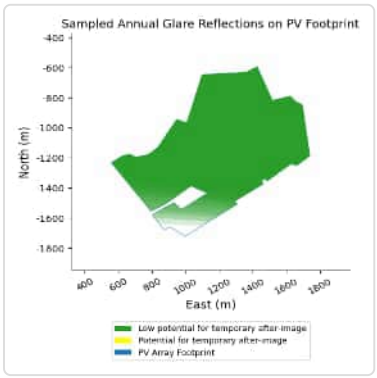
PV array is expected to produce the following glare for this receptor:

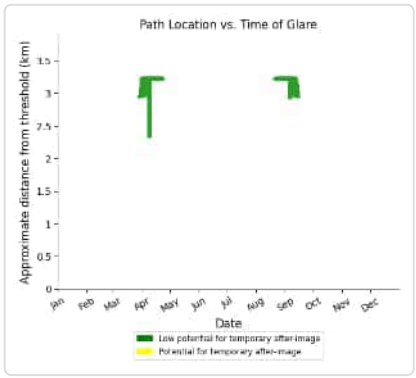
- 774 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

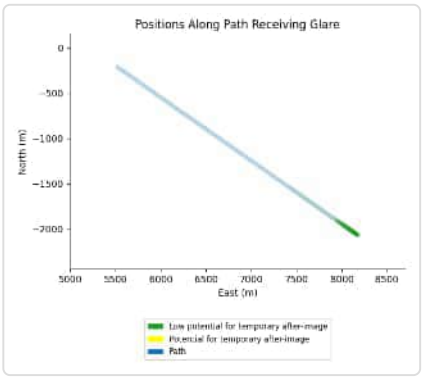












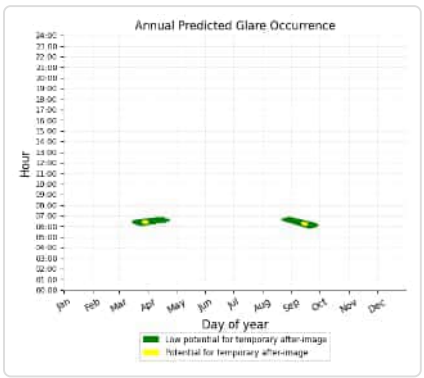
PV array 3: South Scarle RW 28

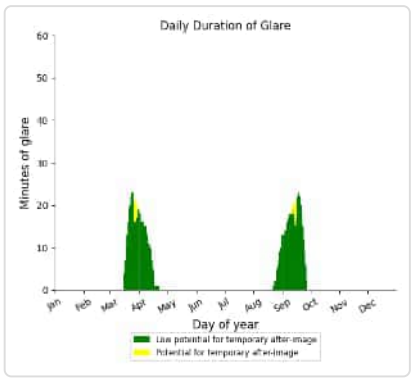
No glare found

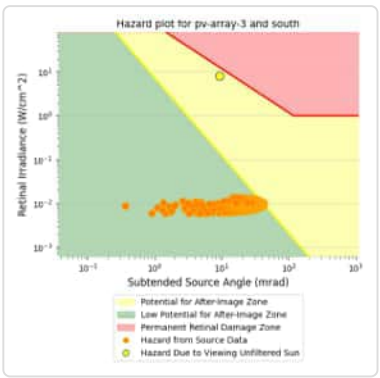
PV array 3: South Scarle RWY 10

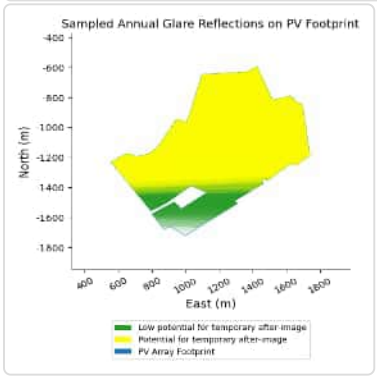
PV array is expected to produce the following glare for this receptor:

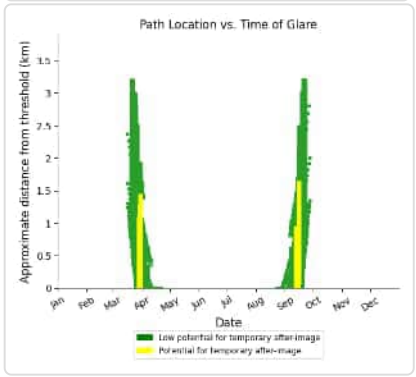
- 968 minutes of "green" glare with low potential to cause temporary after-image.
- 37 minutes of "yellow" glare with potential to cause temporary after-image.

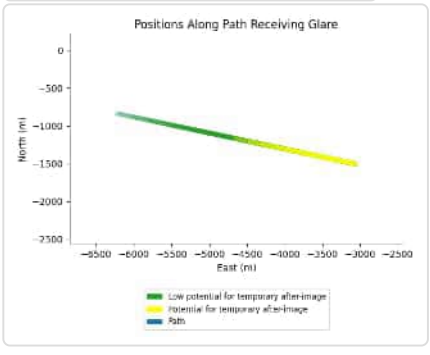












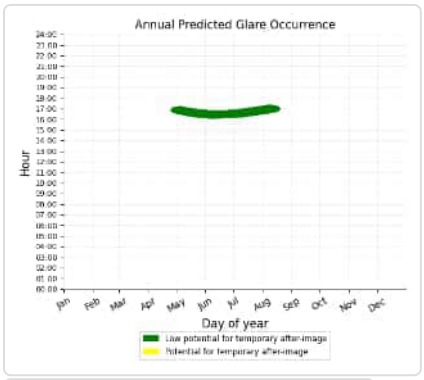
PV array 3: 1-ATCT

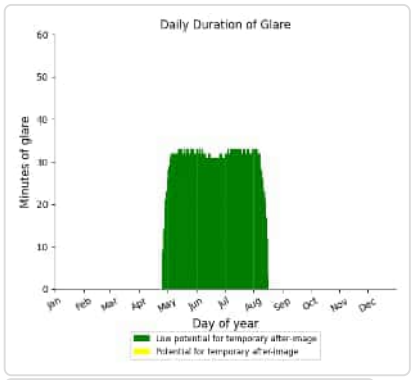
No glare found

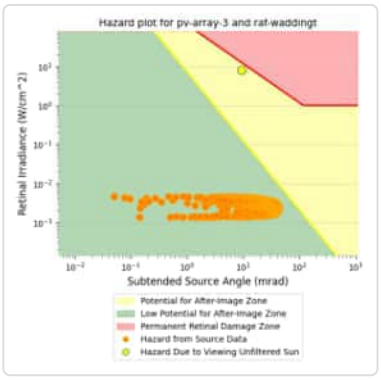
PV array 3: RAF Waddington Circuit Path East

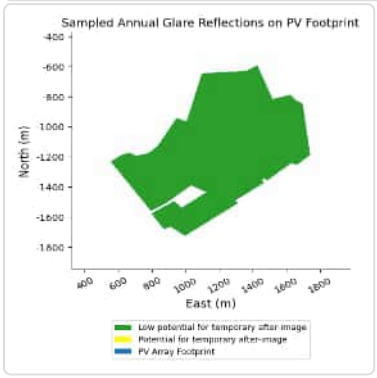
PV array is expected to produce the following glare for this receptor:

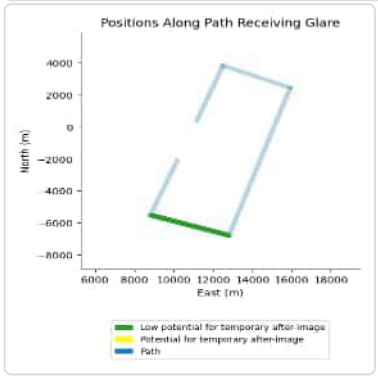
- 3,485 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







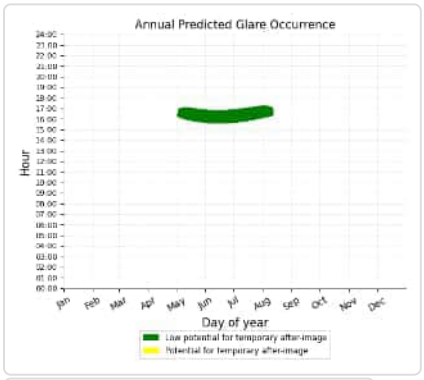


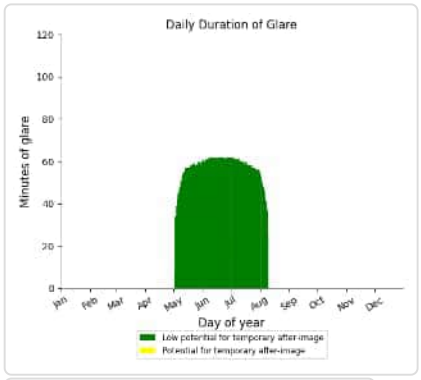


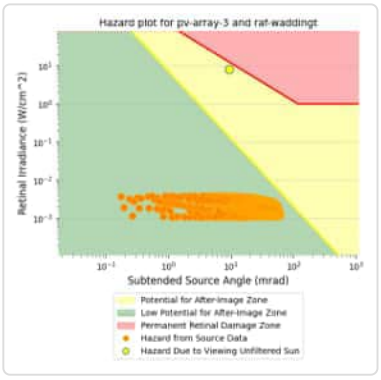
PV array 3: RAF Waddington Circuit Path West

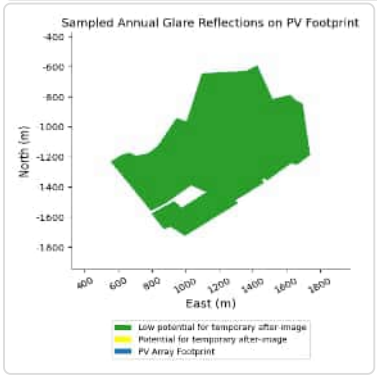
PV array is expected to produce the following glare for this receptor:

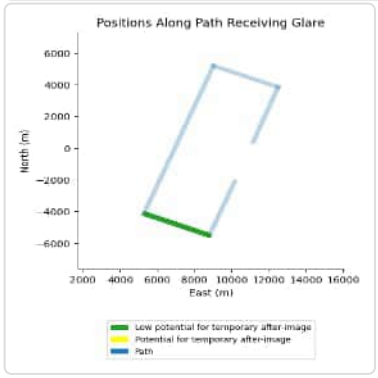
- 5,711 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 4 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	944	245
FP: South Hykeham RWY 31	1451	430
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	1741	0
OP: 1-ATCT	114	0
Route: RAF Waddington Circuit Path East	3193	0
Route: RAF Waddington Circuit Path West	3261	0

PV array 4: Blackmoor Farm RWY 06

No glare found

PV array 4: Blackmoor Farm RWY 24

No glare found

PV array 4: Peacocks Farm RWY 06

No glare found

PV array 4: Peacocks Farm RWY 24

No glare found

PV array 4: RAF Waddington RWY 02

No glare found

PV array 4: RAF Waddington RWY 20

No glare found

PV array 4: South Hykeham RWY 10

No glare found

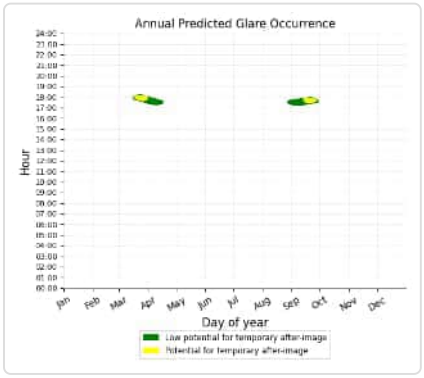
PV array 4: South Hykeham RWY 13

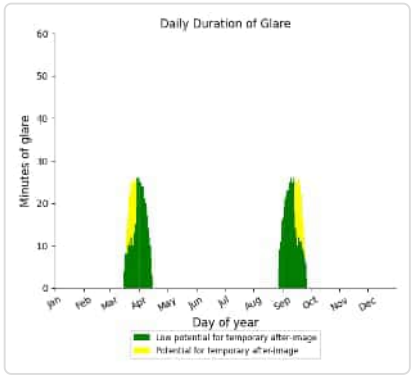
No glare found

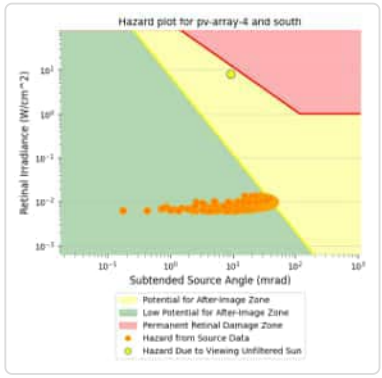
PV array 4: South Hykeham RWY 28

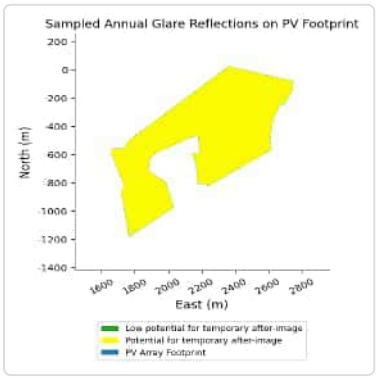
PV array is expected to produce the following glare for this receptor:

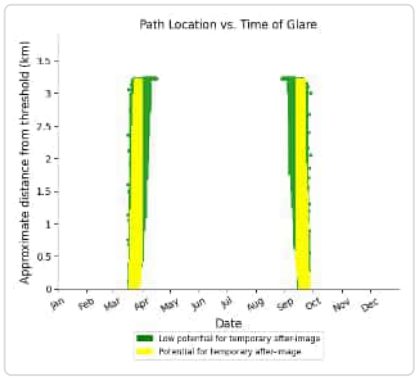
- 944 minutes of "green" glare with low potential to cause temporary after-image.
- 245 minutes of "yellow" glare with potential to cause temporary after-image.

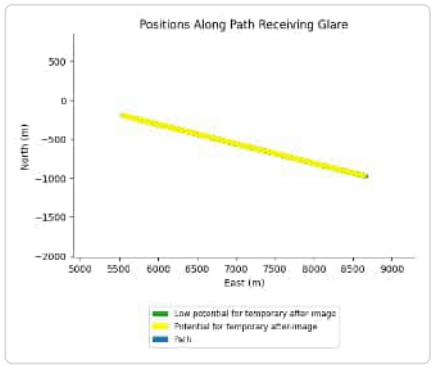








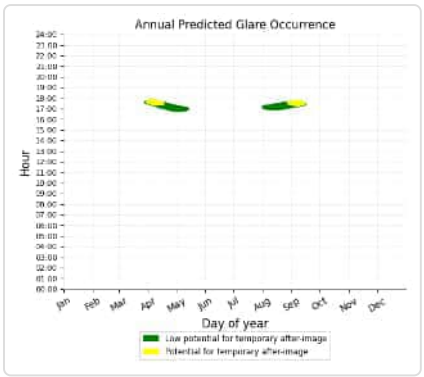


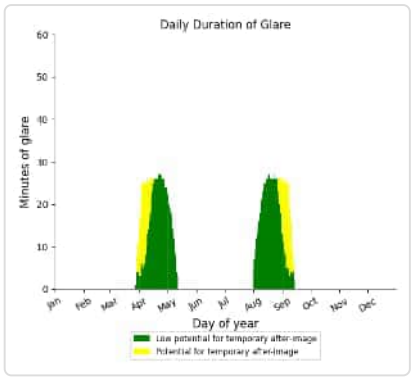


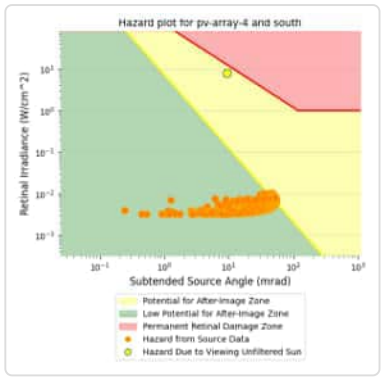
PV array 4: South Hykeham RWY 31

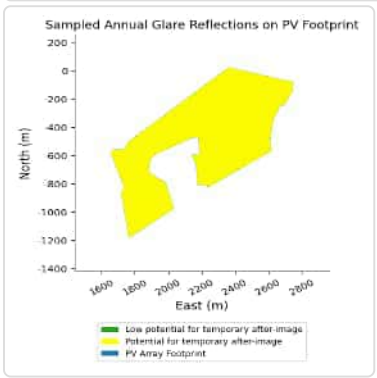
PV array is expected to produce the following glare for this receptor:

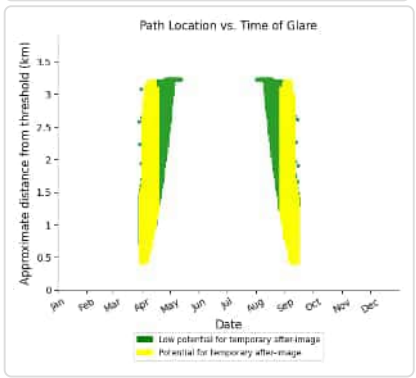
- 1,451 minutes of "green" glare with low potential to cause temporary after-image.
- 430 minutes of "yellow" glare with potential to cause temporary after-image.

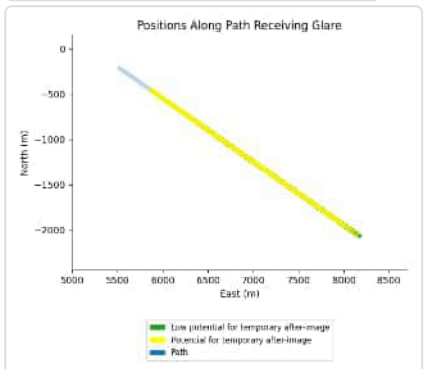












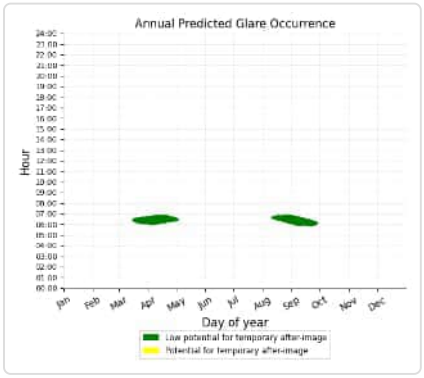
PV array 4: South Scarle RW 28

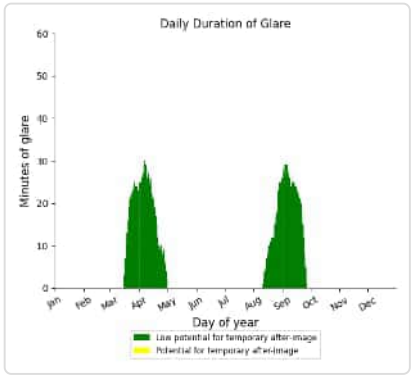
No glare found

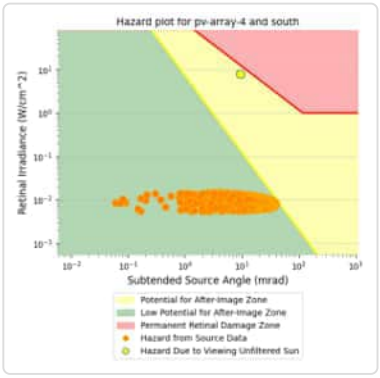
PV array 4: South Scarle RWY 10

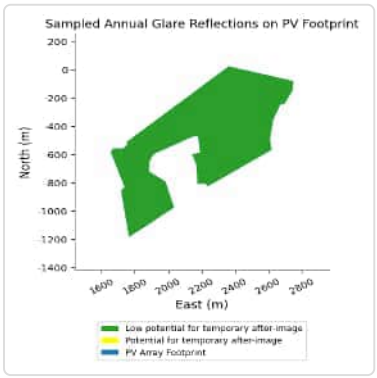
PV array is expected to produce the following glare for this receptor:

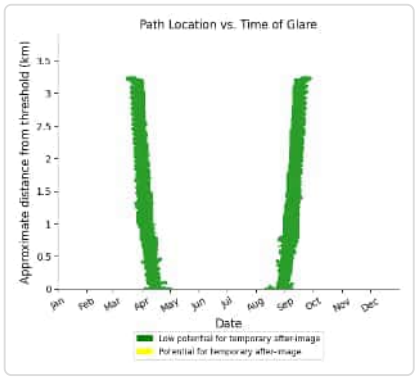
- 1,741 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

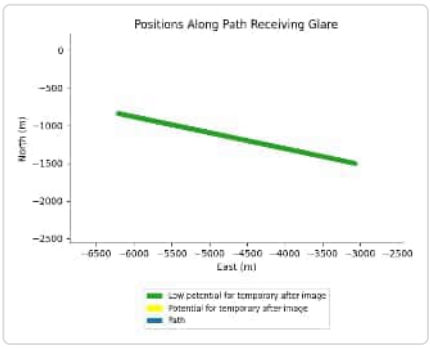








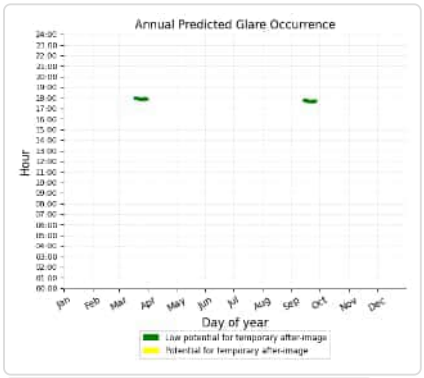


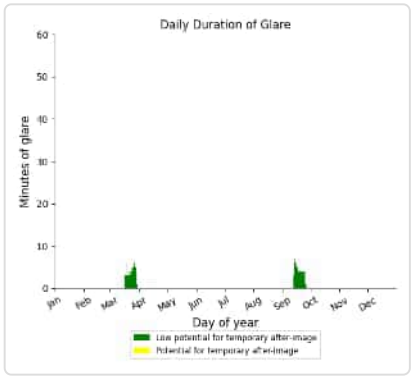


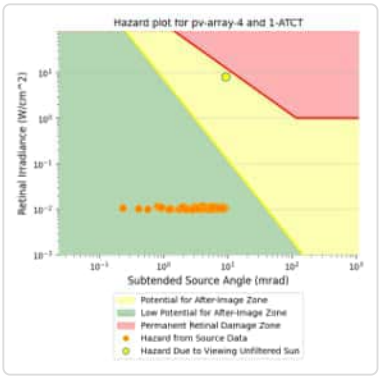
PV array 4: 1-ATCT

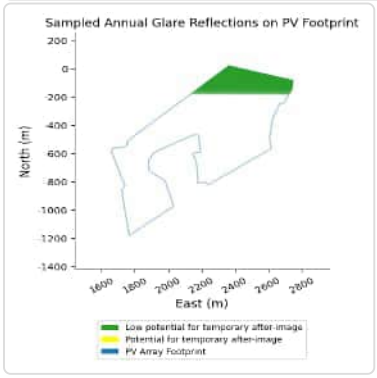
PV array is expected to produce the following glare for this receptor:

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





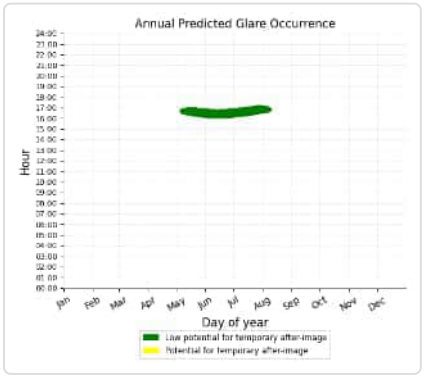


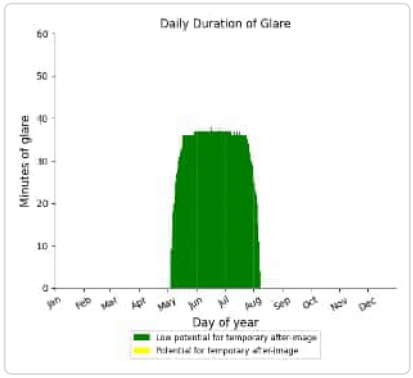


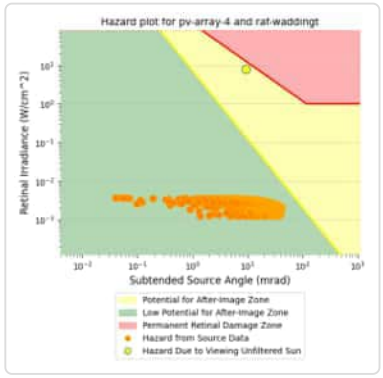
PV array 4: RAF Waddington Circuit Path East

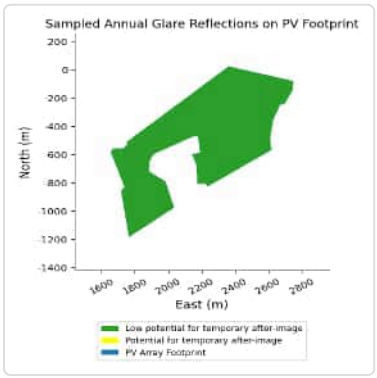
PV array is expected to produce the following glare for this receptor:

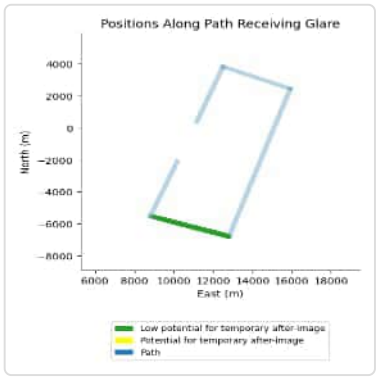
- 3,193 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







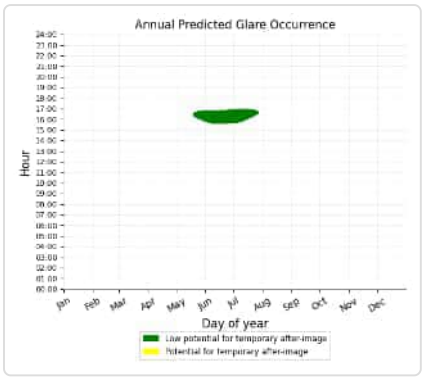


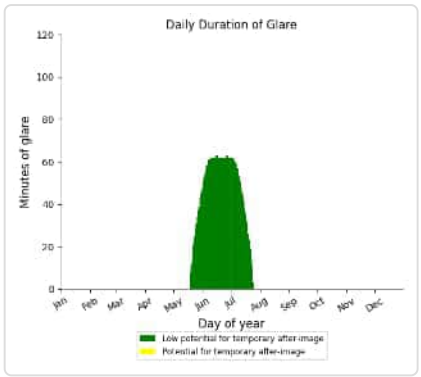


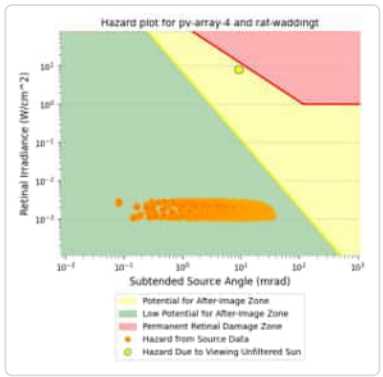
PV array 4: RAF Waddington Circuit Path West

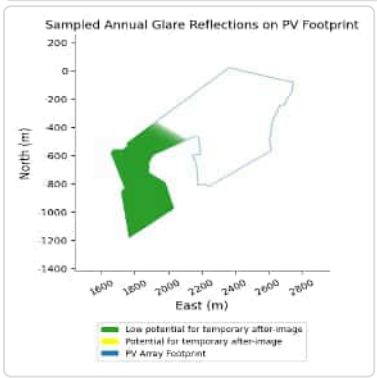
PV array is expected to produce the following glare for this receptor:

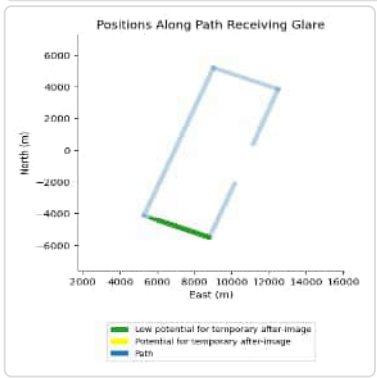
- 3,261 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 6 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0

FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	613	0
FP: South Hykeham RWY 31	1218	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	890	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	3162	0
Route: RAF Waddington Circuit Path West	2025	0

PV array 6: Blackmoor Farm RWY 06

No glare found

PV array 6: Blackmoor Farm RWY 24

No glare found

PV array 6: Peacocks Farm RWY 06

No glare found

PV array 6: Peacocks Farm RWY 24

No glare found

PV array 6: RAF Waddington RWY 02

No glare found

PV array 6: RAF Waddington RWY 20

No glare found

PV array 6: South Hykeham RWY 10

No glare found

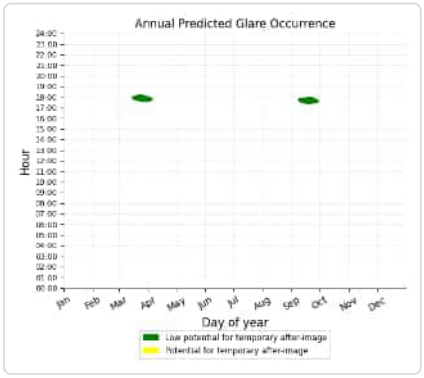
PV array 6: South Hykeham RWY 13

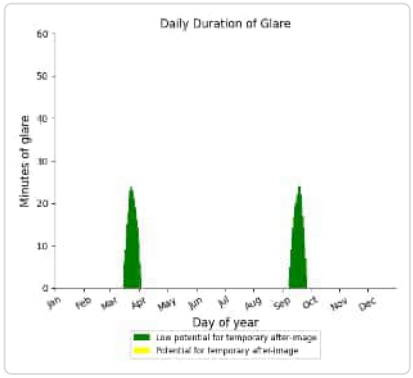
No glare found

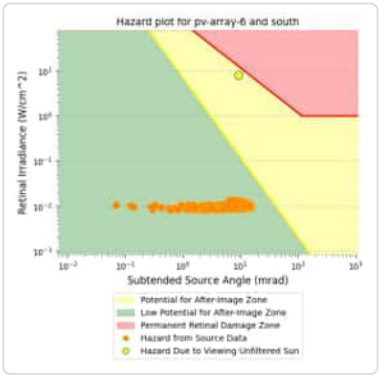
PV array 6: South Hykeham RWY 28

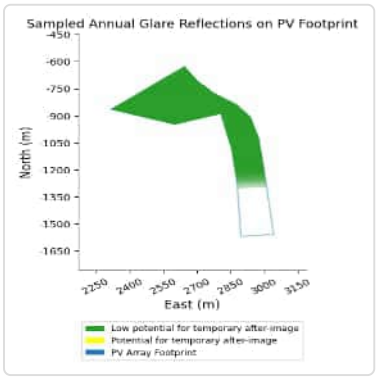
PV array is expected to produce the following glare for this receptor:

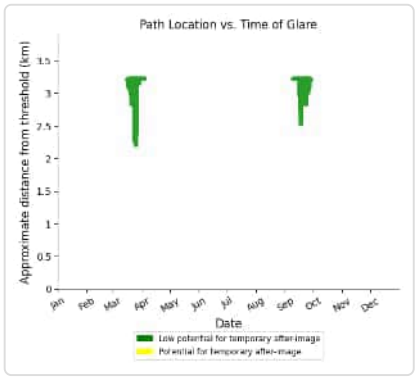
- 613 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

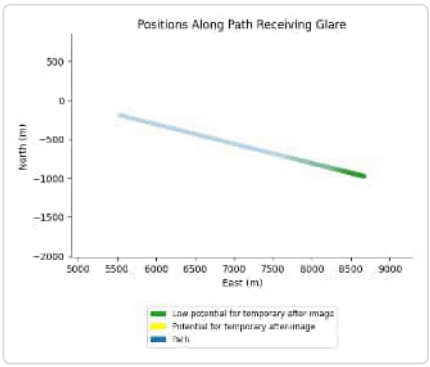








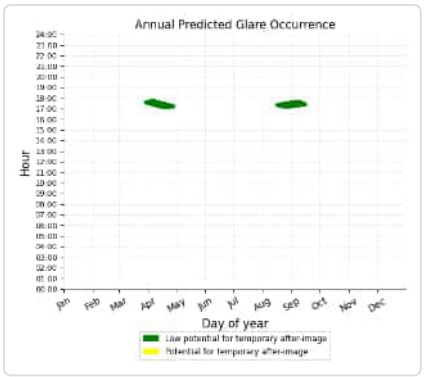


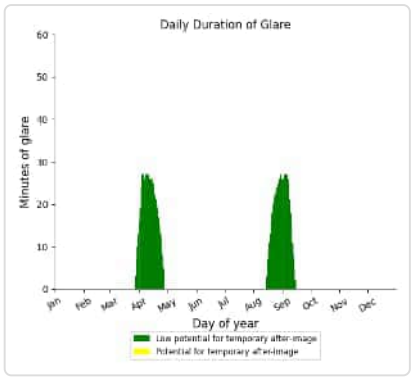


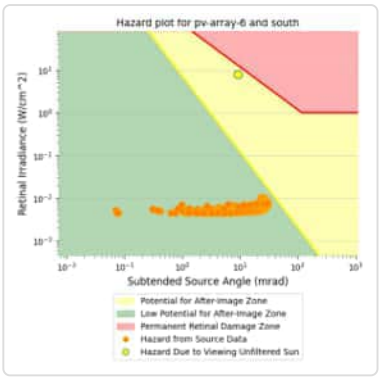
PV array 6: South Hykeham RWY 31

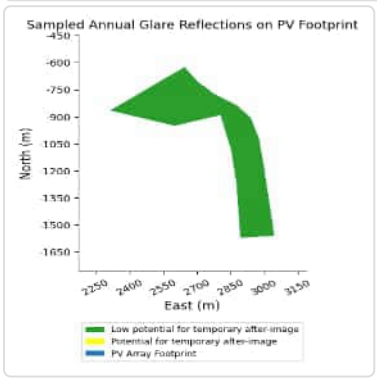
PV array is expected to produce the following glare for this receptor:

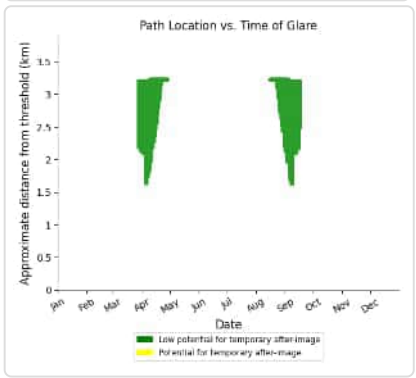
- 1,218 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

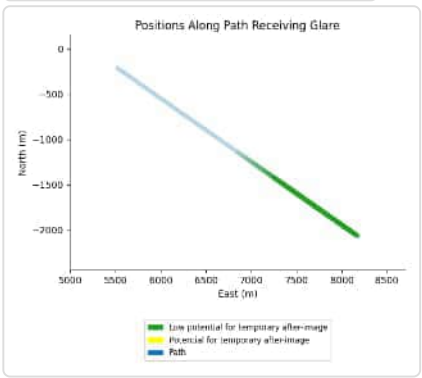












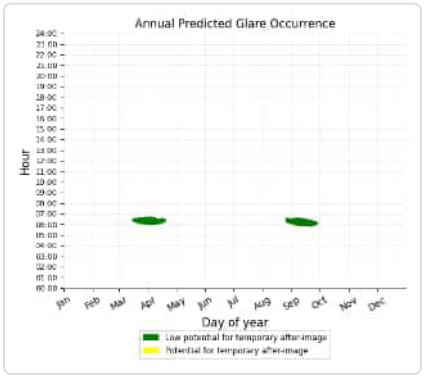
PV array 6: South Scarle RW 28

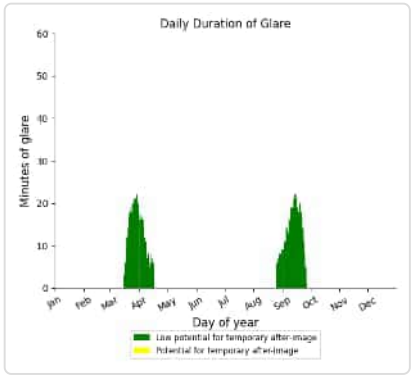
No glare found

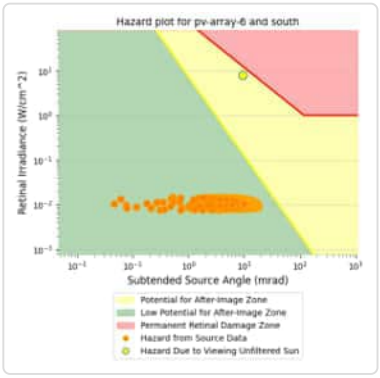
PV array 6: South Scarle RWY 10

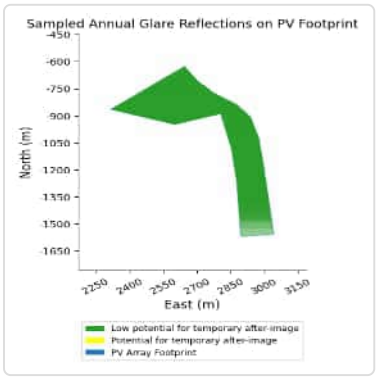
PV array is expected to produce the following glare for this receptor:

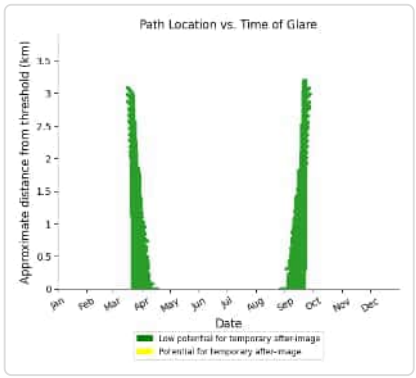
- 890 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

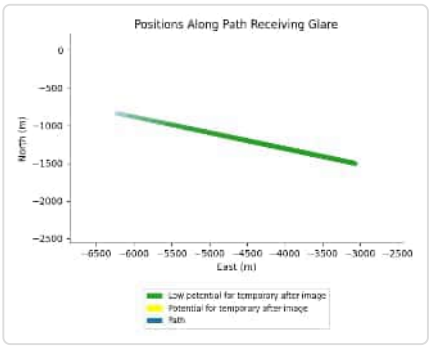












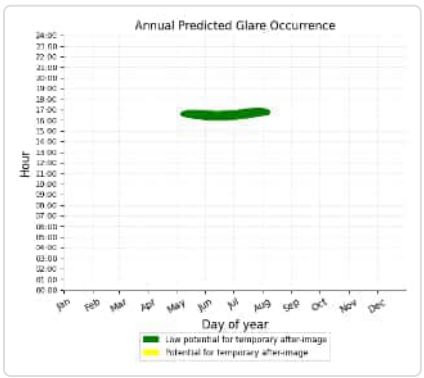
PV array 6: 1-ATCT

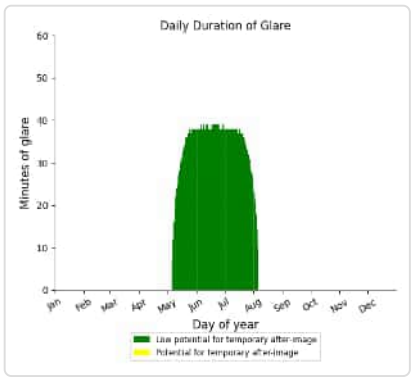
No glare found

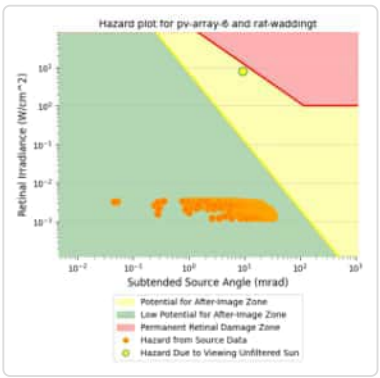
PV array 6: RAF Waddington Circuit Path East

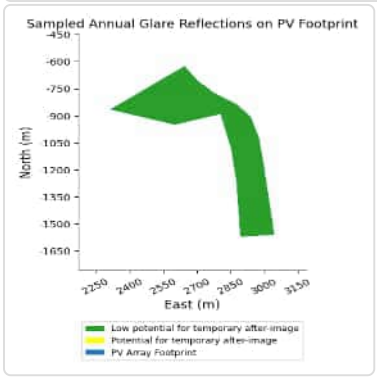
PV array is expected to produce the following glare for this receptor:

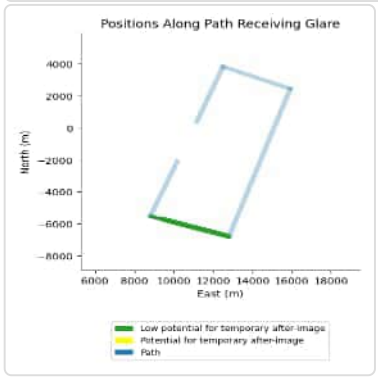
- 3,162 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







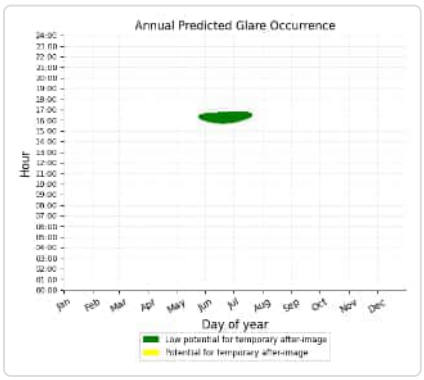


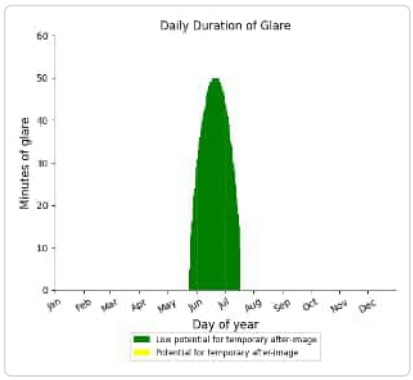


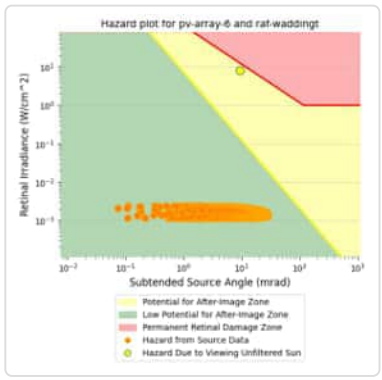
PV array 6: RAF Waddington Circuit Path West

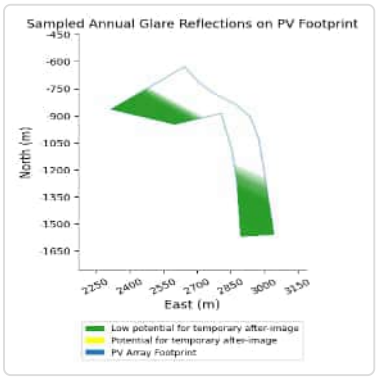
PV array is expected to produce the following glare for this receptor:

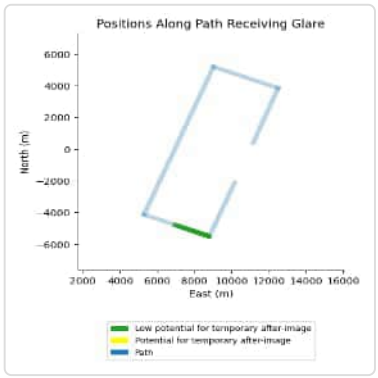
- 2,025 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 7 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	295	0
FP: South Hykeham RWY 31	753	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	683	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	4735	0
Route: RAF Waddington Circuit Path West	10299	0

PV array 7: Blackmoor Farm RWY 06

No glare found

PV array 7: Blackmoor Farm RWY 24

No glare found

PV array 7: Peacocks Farm RWY 06

No glare found

PV array 7: Peacocks Farm RWY 24

No glare found

PV array 7: RAF Waddington RWY 02

No glare found

PV array 7: RAF Waddington RWY 20

No glare found

PV array 7: South Hykeham RWY 10

No glare found

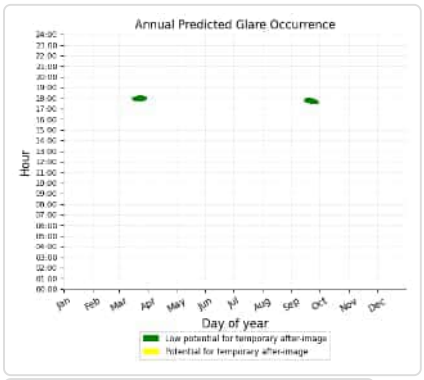
PV array 7: South Hykeham RWY 13

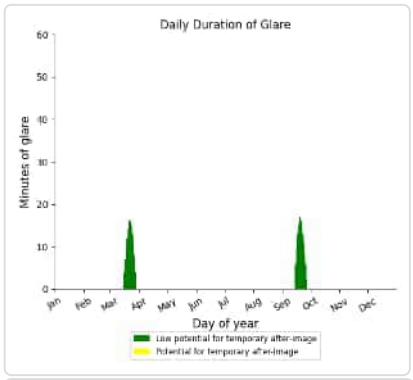
No glare found

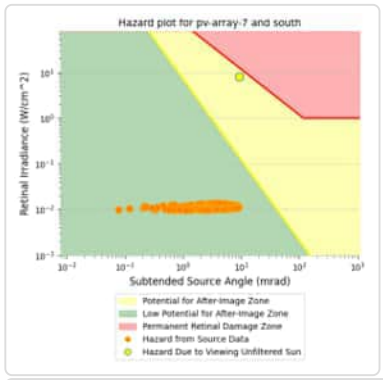
PV array 7: South Hykeham RWY 28

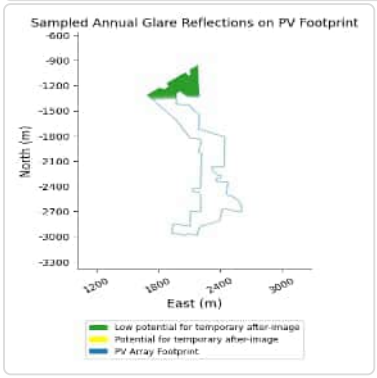
PV array is expected to produce the following glare for this receptor:

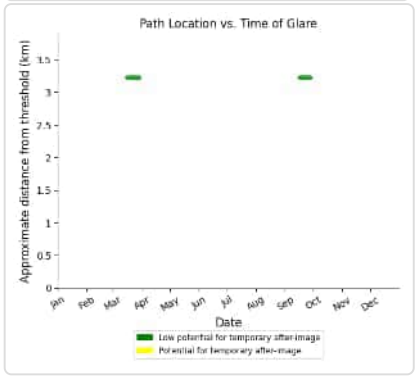
- 295 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

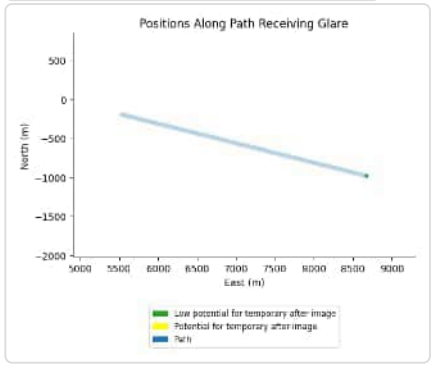








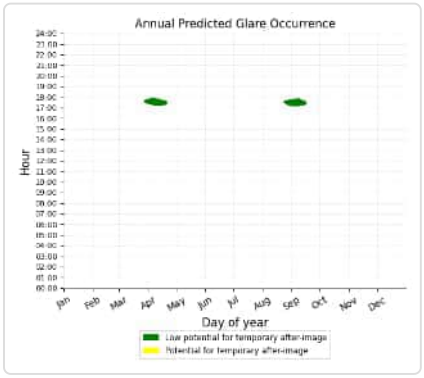


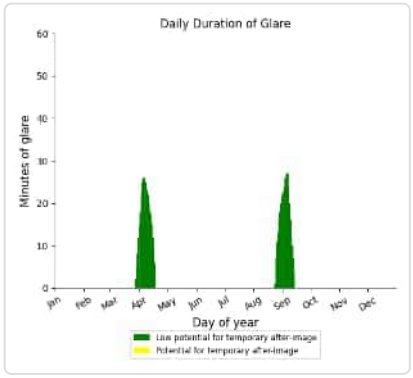


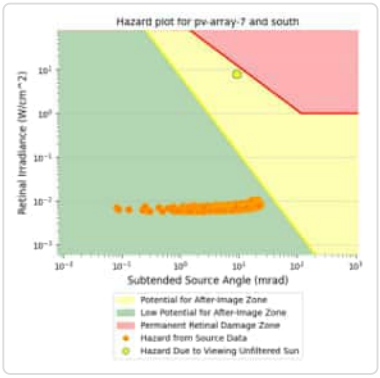
PV array 7: South Hykeham RWY 31

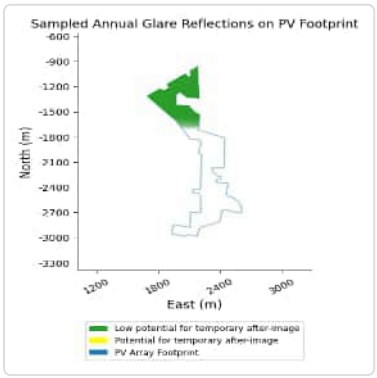
PV array is expected to produce the following glare for this receptor:

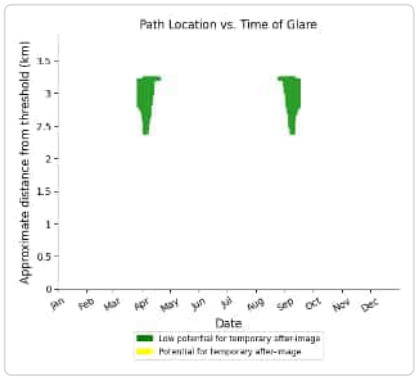
- 753 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

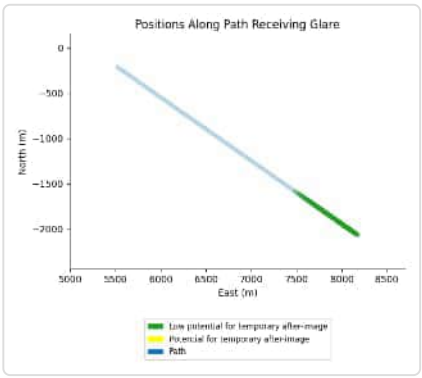












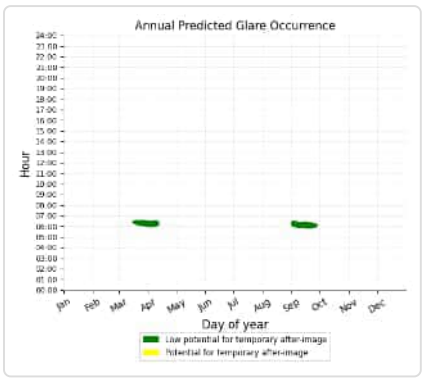
PV array 7: South Scarle RW 28

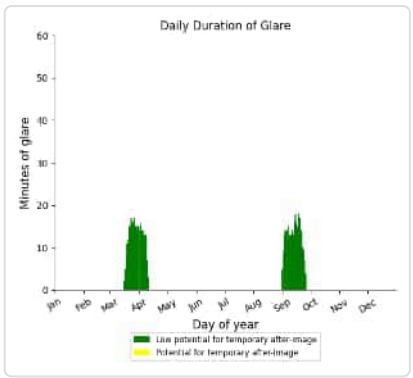
No glare found

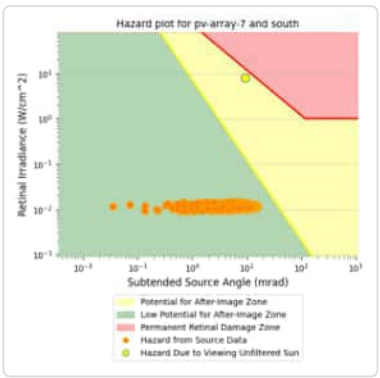
PV array 7: South Scarle RWY 10

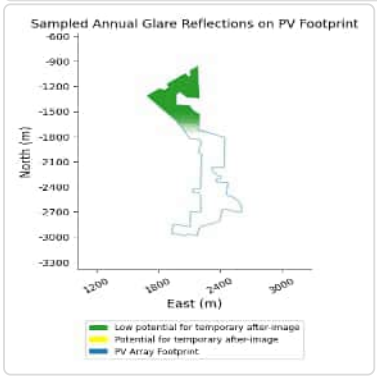
PV array is expected to produce the following glare for this receptor:

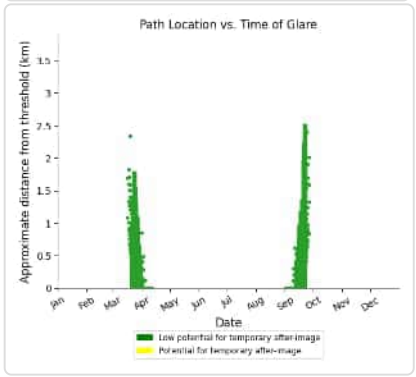
- 683 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

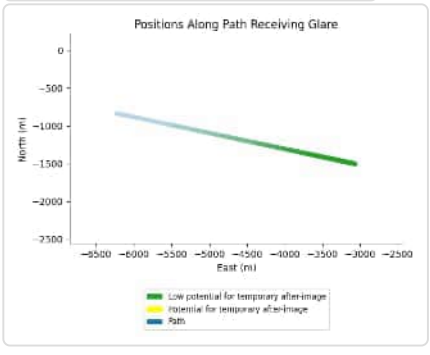












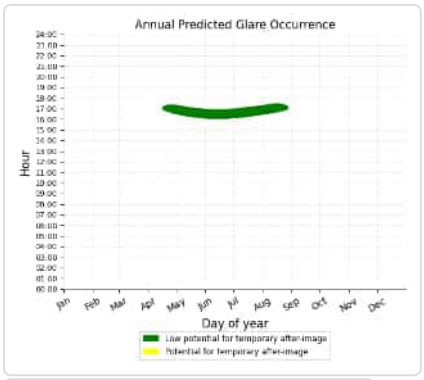
PV array 7: 1-ATCT

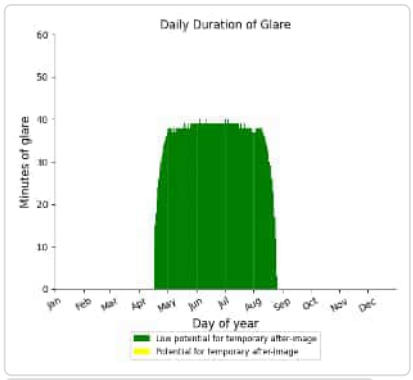
No glare found

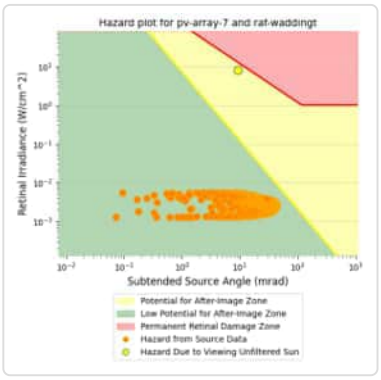
PV array 7: RAF Waddington Circuit Path East

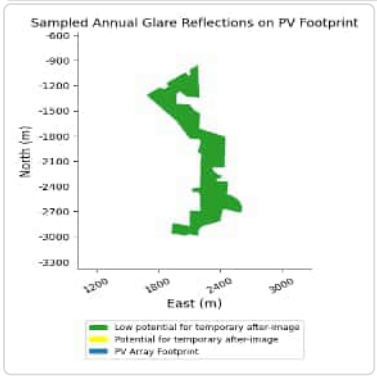
PV array is expected to produce the following glare for this receptor:

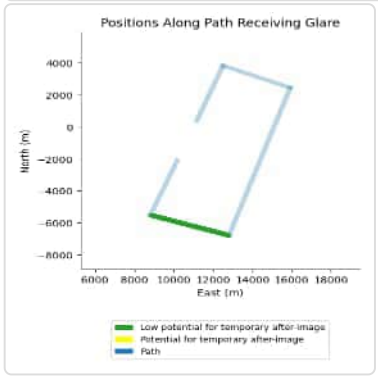
- 4,735 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







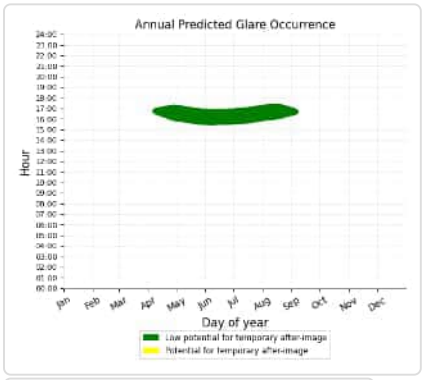


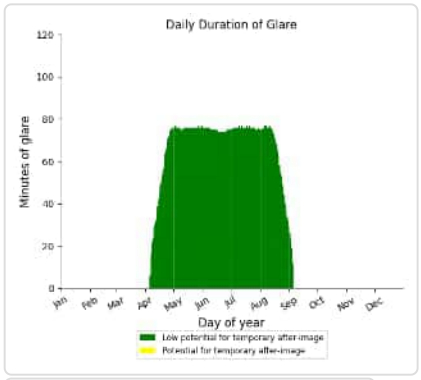


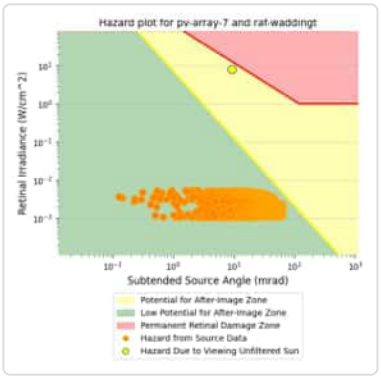
PV array 7: RAF Waddington Circuit Path West

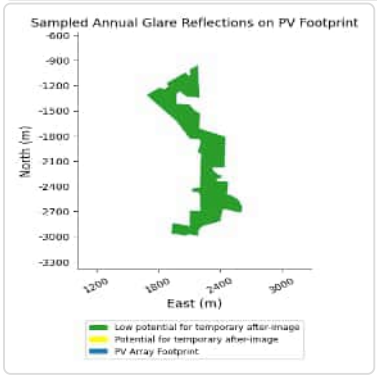
PV array is expected to produce the following glare for this receptor:

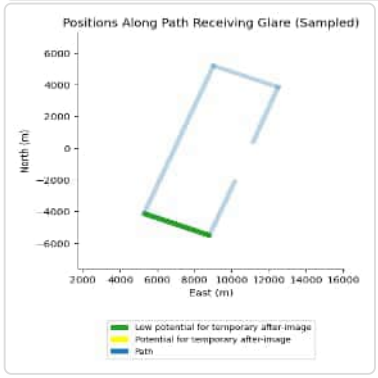
- 10,299 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 8 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	0	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	2100	0
Route: RAF Waddington Circuit Path West	4617	0

PV array 8: Blackmoor Farm RWY 06

No glare found

PV array 8: Blackmoor Farm RWY 24

No glare found

PV array 8: Peacocks Farm RWY 06

No glare found

PV array 8: Peacocks Farm RWY 24

No glare found

PV array 8: RAF Waddington RWY 02

No glare found

PV array 8: RAF Waddington RWY 20

No glare found

PV array 8: South Hykeham RWY 10

No glare found

PV array 8: South Hykeham RWY 13

No glare found

PV array 8: South Hykeham RWY 28

No glare found

PV array 8: South Hykeham RWY 31

No glare found

PV array 8: South Scarle RW 28

No glare found

PV array 8: South Scarle RWY 10

No glare found

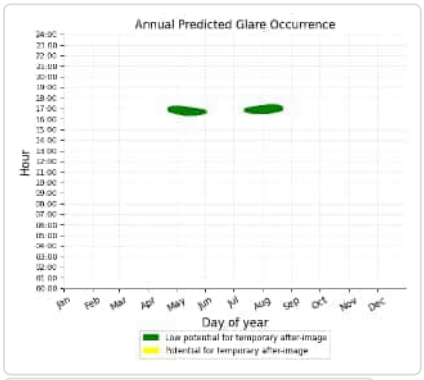
PV array 8: 1-ATCT

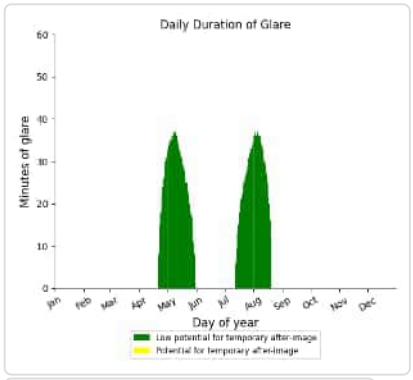
No glare found

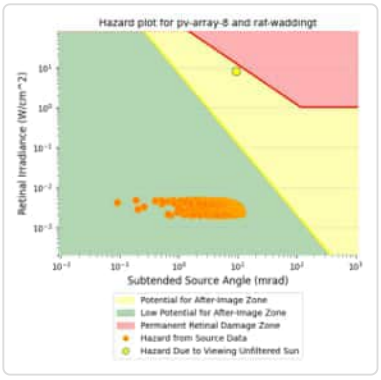
PV array 8: RAF Waddington Circuit Path East

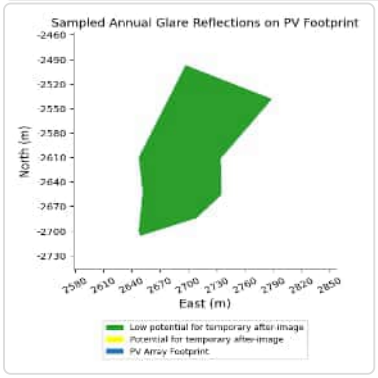
PV array is expected to produce the following glare for this receptor:

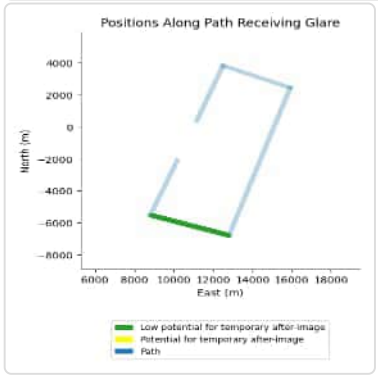
- 2,100 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







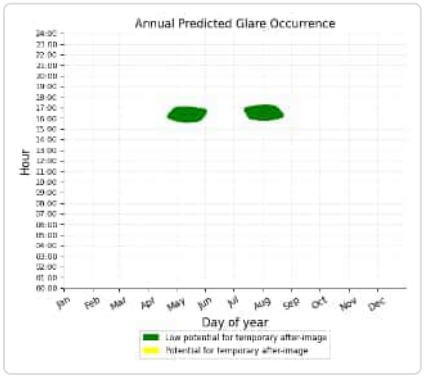


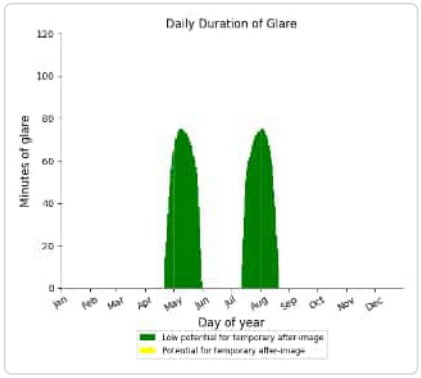


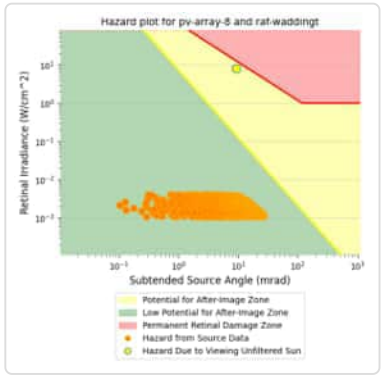
PV array 8: RAF Waddington Circuit Path West

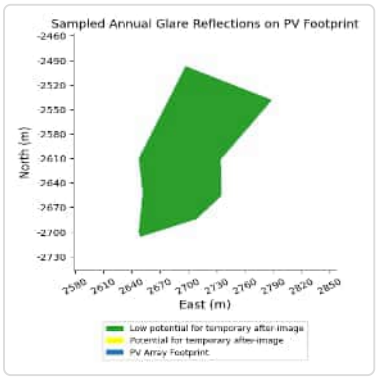
PV array is expected to produce the following glare for this receptor:

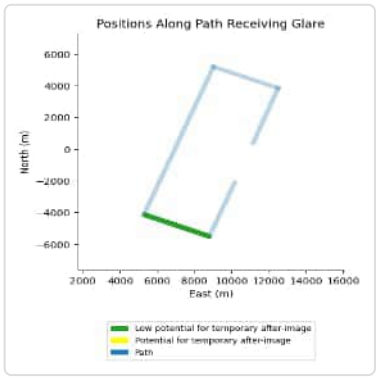
- 4,617 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 9 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	0	0
FP: Peacocks Farm RWY 06	912	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	0	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	1216	0
Route: RAF Waddington Circuit Path West	2841	0

PV array 9: Blackmoor Farm RWY 06

No glare found

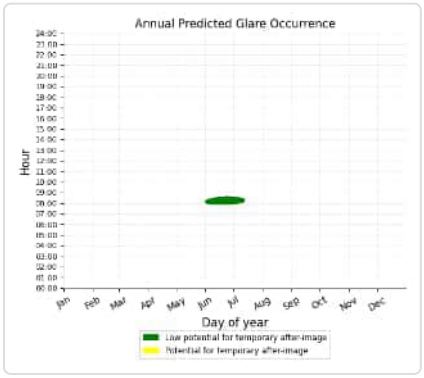
PV array 9: Blackmoor Farm RWY 24

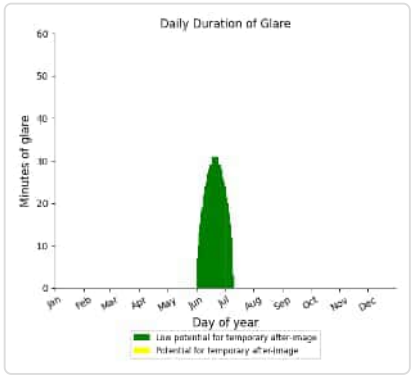
No glare found

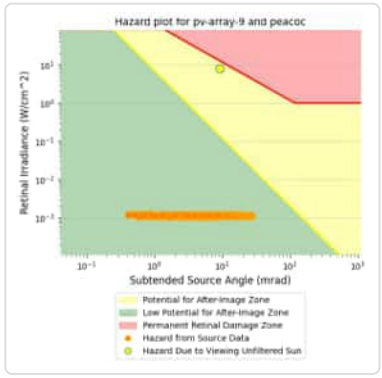
PV array 9: Peacocks Farm RWY 06

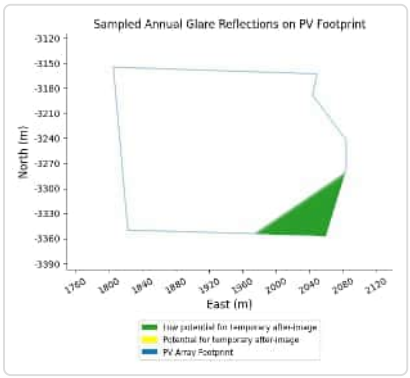
PV array is expected to produce the following glare for this receptor:

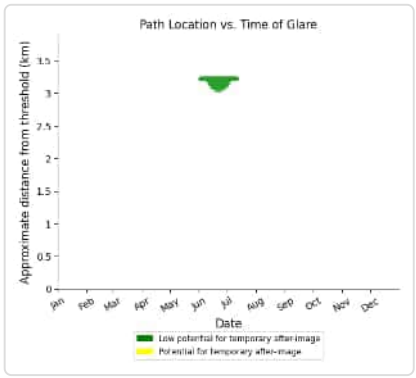
- 912 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

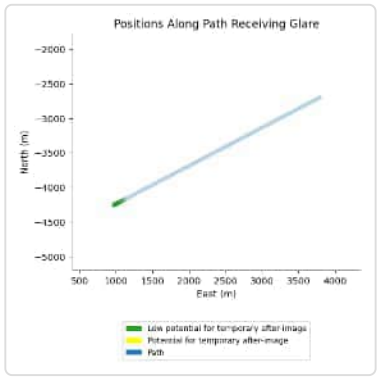












PV array 9: Peacocks Farm RWY 24

No glare found

PV array 9: RAF Waddington RWY 02

No glare found

PV array 9: RAF Waddington RWY 20

No glare found

PV array 9: South Hykeham RWY 10

No glare found

PV array 9: South Hykeham RWY 13

No glare found

PV array 9: South Hykeham RWY 28

No glare found

PV array 9: South Hykeham RWY 31

No glare found

PV array 9: South Scarle RW 28

No glare found

PV array 9: South Scarle RWY 10

No glare found

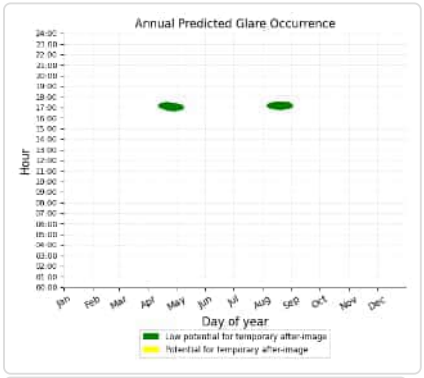
PV array 9: 1-ATCT

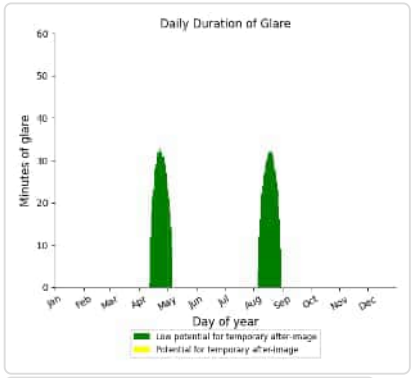
No glare found

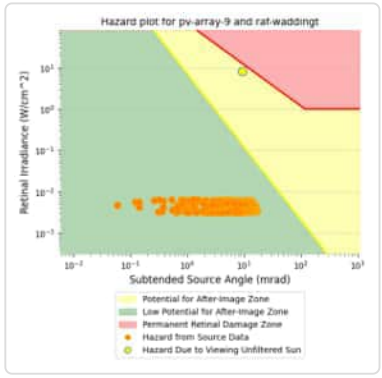
PV array 9: RAF Waddington Circuit Path East

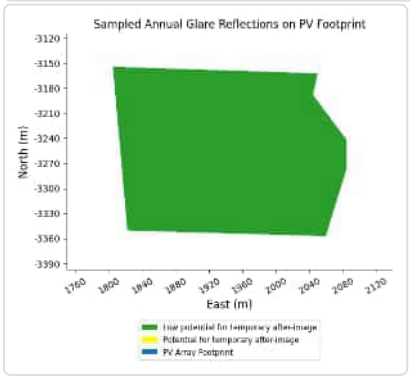
PV array is expected to produce the following glare for this receptor:

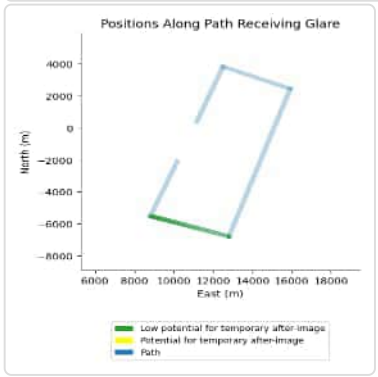
- 1,216 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







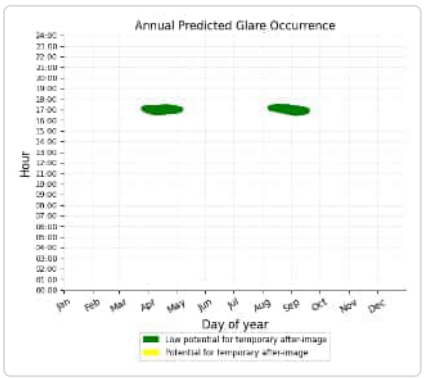


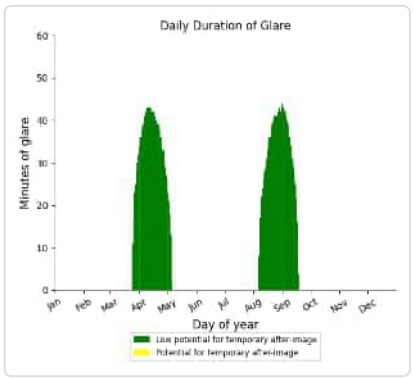


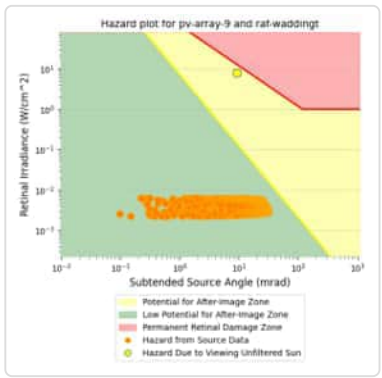
PV array 9: RAF Waddington Circuit Path West

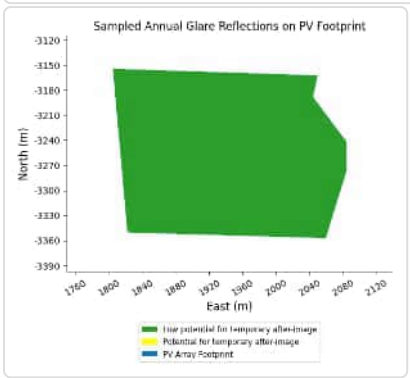
PV array is expected to produce the following glare for this receptor:

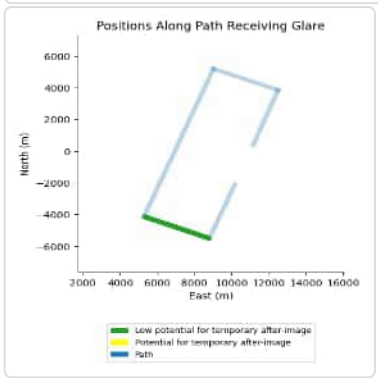
- 2,841 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











Summary of Vertical Surface Glare Analysis

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not automatically 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.
- Refer to the [redacted] for detailed assumptions and limitations not listed here.

Fosse Green Solar Farm

Fosse Green SF Aviation Tracker

Created Jan 11, 2024
Updated Apr 17, 2025
Time-step 1 minute
Timezone offset UTC0
Minimum sun altitude 0.0 deg
Site ID 109532.18719

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**

PV Analysis Methodology: **Version 2**
Enhanced subtended angle calculation: **On**

Summary of Results

Glare with potential for temporary after-image predicted

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
PV array 1	SA tracking	SA tracking	4,940	0	-
PV array 10	SA tracking	SA tracking	12,846	10,241	-
PV array 11	SA tracking	SA tracking	27,208	14,106	-
PV array 12	SA tracking	SA tracking	23,205	0	-
PV array 13	SA tracking	SA tracking	11,287	23	-
PV array 14	SA tracking	SA tracking	11,201	267	-
PV array 15	SA tracking	SA tracking	9,040	0	-
PV array 2	SA tracking	SA tracking	4,120	0	-
PV array 3	SA tracking	SA tracking	6,912	0	-
PV array 4	SA tracking	SA tracking	2,597	4	-
PV array 6	SA tracking	SA tracking	4,293	0	-
PV array 7	SA tracking	SA tracking	9,504	140	-
PV array 8	SA tracking	SA tracking	4,960	0	-
PV array 9	SA tracking	SA tracking	3,723	0	-

Component Data

PV Array(s)

Total PV footprint area: 5,021,929 m^2

Name: PV array 1
Footprint area: 490,759 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.173327	-0.683693	15.22	3.50	18.72
2	53.171796	-0.684143	15.03	3.50	18.53
3	53.171552	-0.683478	15.19	3.50	18.69
4	53.171127	-0.682985	15.98	3.50	19.48
5	53.169712	-0.681805	15.00	3.50	18.50
6	53.168092	-0.681418	16.50	3.50	20.00
7	53.167989	-0.682362	16.00	3.50	19.50
8	53.167616	-0.682427	15.86	3.50	19.36
9	53.166844	-0.682749	16.00	3.50	19.50
10	53.166574	-0.682985	16.00	3.50	19.50
11	53.166123	-0.682920	16.00	3.50	19.50
12	53.166394	-0.680345	17.00	3.50	20.50
13	53.166741	-0.680410	16.40	3.50	19.90
14	53.166831	-0.679530	17.48	3.50	20.98
15	53.167320	-0.679659	17.17	3.50	20.67
16	53.167564	-0.677277	20.64	3.50	24.14
17	53.166522	-0.676741	20.78	3.50	24.28
18	53.164880	-0.675150	20.68	3.50	24.18
19	53.165403	-0.672857	27.63	3.50	31.13
20	53.165648	-0.671870	30.61	3.50	34.11
21	53.166458	-0.671269	32.00	3.50	35.50
22	53.166857	-0.671569	31.99	3.50	35.49
23	53.167847	-0.667406	24.66	3.50	28.16
24	53.169468	-0.666720	25.10	3.50	28.60
25	53.169031	-0.668608	27.89	3.50	31.39
26	53.169198	-0.670067	30.98	3.50	34.48
27	53.169982	-0.673629	26.94	3.50	30.44
28	53.170246	-0.673758	26.58	3.50	30.08
29	53.171294	-0.673125	28.40	3.50	31.90
30	53.171745	-0.672299	30.82	3.50	34.32
31	53.172105	-0.674048	26.50	3.50	30.00
32	53.171674	-0.675957	22.65	3.50	26.15
33	53.171507	-0.677599	22.08	3.50	25.58
34	53.171629	-0.678414	22.99	3.50	26.49
35	53.171918	-0.678833	24.21	3.50	27.71
36	53.171809	-0.679283	22.62	3.50	26.12
37	53.171449	-0.679391	20.48	3.50	23.98
38	53.170838	-0.677985	18.51	3.50	22.01
39	53.170593	-0.678028	17.96	3.50	21.46
40	53.170606	-0.678200	17.83	3.50	21.33
41	53.171372	-0.679906	19.18	3.50	22.68
42	53.171249	-0.681719	17.42	3.50	20.92
43	53.171378	-0.681955	17.27	3.50	20.77
44	53.171333	-0.682395	16.56	3.50	20.06
45	53.171597	-0.682502	16.79	3.50	20.29
46	53.173384	-0.681622	18.75	3.50	22.25

Name: PV array 10
Footprint area: 185,320 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.150798	-0.633966	8.64	3.50	12.14
2	53.150219	-0.635436	8.34	3.50	11.84
3	53.150026	-0.636744	8.28	3.50	11.78
4	53.148983	-0.636744	9.89	3.50	13.39
5	53.148803	-0.636862	10.13	3.50	13.63
6	53.148829	-0.637045	9.76	3.50	13.26
7	53.147420	-0.637957	10.19	3.50	13.69
8	53.146461	-0.637796	10.65	3.50	14.15
9	53.146126	-0.637302	11.44	3.50	14.94
10	53.145875	-0.635146	9.74	3.50	13.24
11	53.145566	-0.635264	9.14	3.50	12.64
12	53.145451	-0.635843	9.42	3.50	12.92
13	53.145142	-0.635951	9.94	3.50	13.44
14	53.144987	-0.634910	11.54	3.50	15.04
15	53.144637	-0.634278	12.00	3.50	15.50
16	53.143968	-0.633344	12.41	3.50	15.91
17	53.144200	-0.633280	11.84	3.50	15.34
18	53.144953	-0.632754	9.97	3.50	13.47
19	53.145828	-0.631949	10.31	3.50	13.81
20	53.146497	-0.631509	11.15	3.50	14.65
21	53.147668	-0.633848	12.51	3.50	16.01
22	53.148395	-0.633344	12.81	3.50	16.31
23	53.148254	-0.632947	13.08	3.50	16.58
24	53.148910	-0.632035	13.05	3.50	16.55
25	53.149148	-0.632604	13.03	3.50	16.53
26	53.149631	-0.631853	12.49	3.50	15.99

Name: PV array 11
Footprint area: 717,731 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.148506	-0.631749	13.14	3.50	16.64
2	53.147850	-0.632704	12.97	3.50	16.47
3	53.147683	-0.632715	12.37	3.50	15.87
4	53.146640	-0.630945	11.20	3.50	14.70
5	53.146396	-0.630848	12.22	3.50	15.72
6	53.145637	-0.631266	12.28	3.50	15.78
7	53.144343	-0.632565	11.04	3.50	14.54
8	53.142046	-0.627951	13.11	3.50	16.61
9	53.141524	-0.626084	12.34	3.50	15.84
10	53.138596	-0.627329	13.83	3.50	17.33
11	53.138454	-0.627232	13.48	3.50	16.98
12	53.137051	-0.628370	12.96	3.50	16.46
13	53.137154	-0.629056	13.21	3.50	16.71
14	53.135919	-0.628649	14.19	3.50	17.69
15	53.135771	-0.627640	12.78	3.50	16.28
16	53.134593	-0.628456	13.03	3.50	16.53
17	53.134464	-0.624700	12.77	3.50	16.27
18	53.134618	-0.624700	12.76	3.50	16.26
19	53.134631	-0.624990	12.76	3.50	16.26
20	53.135655	-0.624947	12.58	3.50	16.08
21	53.135758	-0.626331	11.86	3.50	15.36
22	53.136112	-0.626567	11.92	3.50	15.42
23	53.136549	-0.625162	10.74	3.50	14.24
24	53.136717	-0.625055	10.13	3.50	13.63
25	53.136652	-0.624636	10.38	3.50	13.88
26	53.137450	-0.624089	10.03	3.50	13.53
27	53.135830	-0.616790	7.11	3.50	10.61
28	53.136200	-0.615960	6.99	3.50	10.49
29	53.137240	-0.614930	7.15	3.50	10.65
30	53.137620	-0.615710	7.24	3.50	10.74
31	53.137860	-0.615550	7.38	3.50	10.88
32	53.137990	-0.614790	7.14	3.50	10.64
33	53.139105	-0.617426	7.93	3.50	11.43
34	53.139800	-0.619754	11.05	3.50	14.55
35	53.141717	-0.618682	9.38	3.50	12.88
36	53.142129	-0.620227	11.21	3.50	14.71
37	53.142007	-0.620323	10.80	3.50	14.30
38	53.142541	-0.622211	11.19	3.50	14.69
39	53.144034	-0.620784	11.76	3.50	15.26
40	53.144607	-0.623563	11.92	3.50	15.42
41	53.145591	-0.624582	12.63	3.50	16.13
42	53.145044	-0.625248	12.90	3.50	16.40
43	53.145077	-0.625666	12.28	3.50	15.78
44	53.146634	-0.628348	11.72	3.50	15.22
45	53.146808	-0.628220	12.16	3.50	15.66
46	53.148268	-0.630762	12.11	3.50	15.61
47	53.148101	-0.631030	11.92	3.50	15.42

Name: PV array 12
Footprint area: 73,115 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.136228	-0.613414	8.07	3.50	11.57
2	53.135854	-0.613478	8.46	3.50	11.96
3	53.133222	-0.614980	9.82	3.50	13.32
4	53.132887	-0.611772	10.64	3.50	14.14
5	53.135977	-0.610335	9.13	3.50	12.63

Name: PV array 13
Footprint area: 737,153 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.135585	-0.658160	11.48	3.50	14.98
2	53.136461	-0.665906	14.75	3.50	18.25
3	53.130642	-0.667945	14.56	3.50	18.06
4	53.130333	-0.666357	13.81	3.50	17.31
5	53.128440	-0.666872	14.86	3.50	18.36
6	53.128582	-0.668717	14.77	3.50	18.27
7	53.128273	-0.668782	14.57	3.50	18.07
8	53.128131	-0.667301	14.49	3.50	17.99
9	53.125730	-0.667666	13.07	3.50	16.57
10	53.125710	-0.667945	12.94	3.50	16.44
11	53.124455	-0.667505	13.19	3.50	16.69
12	53.124558	-0.666711	12.70	3.50	16.20
13	53.123380	-0.665788	11.31	3.50	14.81
14	53.123457	-0.665370	11.00	3.50	14.50
15	53.123122	-0.665220	12.04	3.50	15.54
16	53.123476	-0.663514	13.15	3.50	16.65
17	53.124365	-0.661776	13.29	3.50	16.79
18	53.124571	-0.660832	13.96	3.50	17.46
19	53.125067	-0.660220	13.10	3.50	16.60
20	53.126410	-0.656650	11.66	3.50	15.16
21	53.126650	-0.656260	11.38	3.50	14.88
22	53.126960	-0.656270	11.65	3.50	15.15
23	53.127180	-0.656070	12.25	3.50	15.75
24	53.127600	-0.659050	12.08	3.50	15.58
25	53.128790	-0.658920	13.52	3.50	17.02
26	53.129280	-0.661440	14.94	3.50	18.44
27	53.131090	-0.659840	14.90	3.50	18.40
28	53.131520	-0.659500	14.40	3.50	17.90
29	53.132320	-0.658860	12.70	3.50	16.20
30	53.133270	-0.657930	12.71	3.50	16.21
31	53.133345	-0.658664	11.01	3.50	14.51

Name: PV array 14
Footprint area: 209,869 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.132660	-0.653180	10.42	3.50	13.92
2	53.132070	-0.653360	10.23	3.50	13.73
3	53.131511	-0.653075	11.28	3.50	14.78
4	53.130770	-0.652409	10.38	3.50	13.88
5	53.130352	-0.650049	9.94	3.50	13.44
6	53.130095	-0.649556	9.85	3.50	13.35
7	53.130275	-0.649255	10.71	3.50	14.21
8	53.132390	-0.648020	11.38	3.50	14.88
9	53.133030	-0.650850	12.02	3.50	15.52
10	53.136270	-0.648960	10.09	3.50	13.59
11	53.136080	-0.645870	9.77	3.50	13.27
12	53.137430	-0.645210	9.73	3.50	13.23
13	53.137750	-0.648600	9.23	3.50	12.73
14	53.137580	-0.648830	9.22	3.50	12.72
15	53.138060	-0.652120	9.08	3.50	12.58
16	53.137820	-0.652230	9.58	3.50	13.08
17	53.137820	-0.652230	9.58	3.50	13.08
18	53.137750	-0.652040	9.56	3.50	13.06
19	53.135890	-0.651840	9.88	3.50	13.38

Name: PV array 15
Footprint area: 78,226 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.132772	-0.647378	9.94	3.50	13.44
2	53.130056	-0.648847	10.80	3.50	14.30
3	53.129882	-0.649255	9.89	3.50	13.39
4	53.129303	-0.648847	10.80	3.50	14.30
5	53.128942	-0.648858	10.87	3.50	14.37
6	53.128884	-0.648418	11.51	3.50	15.01
7	53.128311	-0.648386	11.43	3.50	14.93
8	53.128105	-0.646884	11.40	3.50	14.90
9	53.130622	-0.645758	10.83	3.50	14.33
10	53.130700	-0.646122	11.65	3.50	15.15
11	53.131298	-0.645768	10.18	3.50	13.68
12	53.132410	-0.645330	9.00	3.50	12.50

Name: PV array 2
Footprint area: 575,674 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.178640	-0.666110	19.41	3.50	22.91
2	53.177870	-0.669090	19.28	3.50	22.78
3	53.176523	-0.668029	19.69	3.50	23.19
4	53.174220	-0.666891	26.06	3.50	29.56
5	53.174465	-0.660669	17.80	3.50	21.30
6	53.172497	-0.660755	16.16	3.50	19.66
7	53.172510	-0.661355	17.14	3.50	20.64
8	53.172960	-0.661484	17.29	3.50	20.79
9	53.173230	-0.666677	24.28	3.50	27.78
10	53.172175	-0.666226	20.97	3.50	24.47
11	53.171823	-0.664919	19.69	3.50	23.19
12	53.171714	-0.664865	19.72	3.50	23.22
13	53.170968	-0.662526	18.08	3.50	21.58
14	53.170357	-0.661797	17.29	3.50	20.79
15	53.174293	-0.653523	13.69	3.50	17.19
16	53.178283	-0.655459	15.69	3.50	19.19
17	53.179363	-0.655588	13.41	3.50	16.91
18	53.178051	-0.662519	19.70	3.50	23.20
19	53.177884	-0.665737	19.63	3.50	23.13

Name: PV array 3
Footprint area: 679,840 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.162240	-0.675330	17.88	3.50	21.38
2	53.159340	-0.671810	16.96	3.50	20.46
3	53.159790	-0.670480	16.50	3.50	20.00
4	53.160860	-0.668250	17.83	3.50	21.33
5	53.160420	-0.666810	17.26	3.50	20.76
6	53.159450	-0.669110	15.52	3.50	19.02
7	53.159860	-0.669750	15.96	3.50	19.46
8	53.159140	-0.671710	16.90	3.50	20.40
9	53.158240	-0.670650	16.68	3.50	20.18
10	53.158390	-0.670070	16.02	3.50	19.52
11	53.157840	-0.668790	15.77	3.50	19.27
12	53.159770	-0.664130	19.42	3.50	22.92
13	53.159920	-0.664410	18.34	3.50	21.84
14	53.160980	-0.661830	24.57	3.50	28.07
15	53.161160	-0.662010	24.26	3.50	27.76
16	53.161290	-0.661640	25.79	3.50	29.29
17	53.161160	-0.661450	26.00	3.50	29.50
18	53.162190	-0.659350	26.37	3.50	29.87
19	53.162080	-0.658850	26.32	3.50	29.82
20	53.162650	-0.657690	27.46	3.50	30.96
21	53.165690	-0.658340	22.77	3.50	26.27
22	53.165920	-0.658980	21.27	3.50	24.77
23	53.166210	-0.659430	20.99	3.50	24.49
24	53.165960	-0.661020	21.23	3.50	24.73
25	53.167980	-0.662370	18.26	3.50	21.76
26	53.167650	-0.663320	18.23	3.50	21.73
27	53.167500	-0.667240	23.91	3.50	27.41
28	53.164620	-0.668620	26.56	3.50	30.06
29	53.164820	-0.669520	27.49	3.50	30.99
30	53.163160	-0.671190	20.73	3.50	24.23
31	53.162730	-0.672050	18.84	3.50	22.34
32	53.162570	-0.673160	18.39	3.50	21.89
33	53.162750	-0.673700	17.85	3.50	21.35
34	53.162650	-0.674340	17.02	3.50	20.52

Name: PV array 4
Footprint area: 539,240 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.172585	-0.642585	14.81	3.50	18.31
2	53.173512	-0.648335	13.73	3.50	17.23
3	53.168740	-0.657433	17.19	3.50	20.69
4	53.168530	-0.657412	16.94	3.50	20.44
5	53.168310	-0.657830	18.09	3.50	21.59
6	53.168300	-0.658730	18.04	3.50	21.54
7	53.168070	-0.658890	17.95	3.50	21.45
8	53.165850	-0.657640	21.97	3.50	25.47
9	53.165650	-0.657980	23.24	3.50	26.74
10	53.162740	-0.657270	27.18	3.50	30.68
11	53.164580	-0.653290	23.23	3.50	26.73
12	53.166200	-0.654060	18.29	3.50	21.79
13	53.166850	-0.655520	18.20	3.50	21.70
14	53.167520	-0.655510	17.58	3.50	21.08
15	53.167980	-0.655110	18.44	3.50	21.94
16	53.169113	-0.651554	16.06	3.50	19.56
17	53.169113	-0.651060	15.41	3.50	18.91
18	53.168032	-0.650867	15.63	3.50	19.13
19	53.167955	-0.651597	16.07	3.50	19.57
20	53.167337	-0.651232	15.83	3.50	19.33
21	53.166077	-0.651103	19.26	3.50	22.76
22	53.166115	-0.650481	18.68	3.50	22.18
23	53.165961	-0.650181	19.78	3.50	23.28
24	53.168251	-0.644537	17.16	3.50	20.66
25	53.168920	-0.644687	16.30	3.50	19.80
26	53.170129	-0.644408	16.57	3.50	20.07
27	53.171132	-0.643754	15.25	3.50	18.75
28	53.171151	-0.643400	15.23	3.50	18.73
29	53.172000	-0.642681	14.97	3.50	18.47

Name: PV array 6
Footprint area: 178,317 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.167678	-0.644140	17.52	3.50	21.02
2	53.165556	-0.649011	19.39	3.50	22.89
3	53.164810	-0.644784	20.41	3.50	23.91
4	53.165350	-0.641716	16.27	3.50	19.77
5	53.163562	-0.640986	20.48	3.50	23.98
6	53.161902	-0.640643	22.38	3.50	25.88
7	53.159226	-0.640385	15.78	3.50	19.28
8	53.159329	-0.638197	13.14	3.50	16.64
9	53.162726	-0.638883	20.72	3.50	24.22
10	53.164115	-0.639205	17.21	3.50	20.71
11	53.165183	-0.639763	14.44	3.50	17.94
12	53.165800	-0.640707	14.81	3.50	18.31
13	53.166366	-0.642209	16.10	3.50	19.60
14	53.166971	-0.643282	16.63	3.50	20.13

Name: PV array 7
Footprint area: 491,698 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.164655	-0.651071	23.57	3.50	27.07
2	53.164218	-0.652101	24.34	3.50	27.84
3	53.163588	-0.652015	24.43	3.50	27.93
4	53.163575	-0.652466	24.10	3.50	27.60
5	53.163883	-0.652809	24.86	3.50	28.36
6	53.162790	-0.655406	26.04	3.50	29.54
7	53.162404	-0.655148	26.50	3.50	30.00
8	53.162082	-0.655835	27.39	3.50	30.89
9	53.162263	-0.656543	27.11	3.50	30.61
10	53.161516	-0.658324	26.25	3.50	29.75
11	53.158776	-0.654054	22.55	3.50	26.05
12	53.156879	-0.652104	18.45	3.50	21.95
13	53.156840	-0.650806	17.85	3.50	21.35
14	53.156634	-0.650474	16.75	3.50	20.25
15	53.155412	-0.650935	12.99	3.50	16.49
16	53.155245	-0.650441	12.47	3.50	15.97
17	53.154428	-0.650484	11.62	3.50	15.12
18	53.152317	-0.650581	10.82	3.50	14.32
19	53.151545	-0.650656	11.68	3.50	15.18
20	53.151481	-0.651761	11.49	3.50	14.99
21	53.151159	-0.651729	12.56	3.50	16.06
22	53.151178	-0.650924	12.32	3.50	15.82
23	53.150863	-0.650624	12.97	3.50	16.47
24	53.149042	-0.650581	13.39	3.50	16.89
25	53.149113	-0.652083	14.82	3.50	18.32
26	53.147459	-0.652115	10.92	3.50	14.42
27	53.147762	-0.654604	14.65	3.50	18.15
28	53.146730	-0.654770	11.29	3.50	14.79
29	53.146710	-0.654450	10.79	3.50	14.29
30	53.146660	-0.653930	9.99	3.50	13.49
31	53.146560	-0.653210	9.32	3.50	12.82
32	53.146500	-0.652650	9.65	3.50	13.15
33	53.146620	-0.652540	9.69	3.50	13.19
34	53.146670	-0.652330	9.64	3.50	13.14
35	53.146500	-0.650990	8.94	3.50	12.44
36	53.146830	-0.651060	9.07	3.50	12.57
37	53.147220	-0.650840	9.43	3.50	12.93
38	53.147530	-0.650419	9.95	3.50	13.45
39	53.148058	-0.647824	10.34	3.50	13.84
40	53.149293	-0.647502	11.75	3.50	15.25
41	53.149364	-0.647008	11.40	3.50	14.90
42	53.149004	-0.645163	9.84	3.50	13.34
43	53.149068	-0.644702	10.07	3.50	13.57
44	53.149589	-0.644659	10.09	3.50	13.59
45	53.150246	-0.645152	10.47	3.50	13.97
46	53.150709	-0.646118	10.77	3.50	14.27
47	53.150861	-0.646854	11.55	3.50	15.05
48	53.152186	-0.646683	10.55	3.50	14.05
49	53.152302	-0.648378	10.85	3.50	14.35
50	53.152559	-0.648356	11.03	3.50	14.53
51	53.152650	-0.647820	11.33	3.50	14.83
52	53.152843	-0.647562	10.51	3.50	14.01
53	53.152984	-0.648185	10.54	3.50	14.04
54	53.153396	-0.648850	10.72	3.50	14.22
55	53.153821	-0.649000	11.70	3.50	15.20
56	53.153821	-0.647176	11.57	3.50	15.07
57	53.157030	-0.647114	18.62	3.50	22.12
58	53.157911	-0.650923	21.21	3.50	24.71
59	53.159526	-0.650773	24.30	3.50	27.80
60	53.159841	-0.651545	25.93	3.50	29.43
61	53.160478	-0.652318	28.32	3.50	31.82
62	53.160542	-0.654142	27.00	3.50	30.50
63	53.161668	-0.654152	28.25	3.50	31.75
64	53.162003	-0.653691	27.32	3.50	30.82

65	53.161359	-0.652489	27.84	3.50	31.34
66	53.161314	-0.650848	28.23	3.50	31.73

Name: PV array 8
Footprint area: 15,661 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.149067	-0.644094	9.24	3.50	12.74
2	53.149505	-0.644029	9.82	3.50	13.32
3	53.149878	-0.644094	9.57	3.50	13.07
4	53.150888	-0.643353	9.27	3.50	12.77
5	53.150521	-0.642002	8.25	3.50	11.75
6	53.149871	-0.642806	8.50	3.50	12.00
7	53.149472	-0.642796	8.80	3.50	12.30
8	53.149215	-0.643192	8.74	3.50	12.24
9	53.149022	-0.644072	9.17	3.50	12.67

Name: PV array 9
Footprint area: 49,327 m^2
Axis tracking: Single-axis rotation
Backtracking: Shade
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 0.0 deg
Ground Coverage Ratio: 0.5

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	53.144980	-0.656700	12.95	3.50	16.45
2	53.143230	-0.656440	10.07	3.50	13.57
3	53.143170	-0.652900	8.94	3.50	12.44
4	53.143890	-0.652530	9.13	3.50	12.63
5	53.144200	-0.652530	9.20	3.50	12.70
6	53.144680	-0.653130	9.45	3.50	12.95
7	53.144910	-0.653050	9.39	3.50	12.89

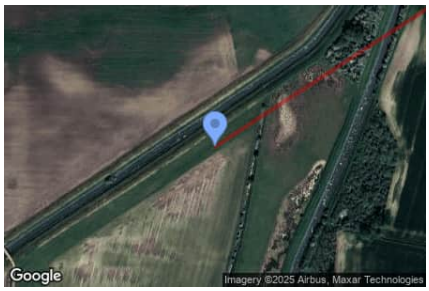
2-Mile Flight Path Receptor(s)

Name: Blackmoor Farm RWY 06
Description:
Threshold height : 15 m
Direction: 57.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.157891	-0.586288	5.71	15.24	20.95
2-mile point	53.142144	-0.626775	11.81	177.83	189.63

Name: Blackmoor Farm RWY 24
Description:
Threshold height : 15 m
Direction: 237.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.159609	-0.581964	5.72	15.24	20.96
2-mile point	53.175356	-0.541475	75.17	114.48	189.65



Name: Peacocks Farm RWY 06
Description:
Threshold height : 15 m
Direction: 61.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.149038	-0.627060	11.67	15.24	26.91
2-mile point	53.135021	-0.669274	16.19	179.41	195.60

Name: Peacocks Farm RWY 24
Description:
Threshold height : 15 m
Direction: 241.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.151006	-0.621028	9.12	15.24	24.36
2-mile point	53.165023	-0.578812	5.02	188.03	193.05

Name: RAF Waddington RWY 02
Description:
Threshold height : 15 m
Direction: 21.5 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.154359	-0.531665	69.35	15.24	84.59
2-mile point	53.127459	-0.549356	30.20	223.07	253.27

Name: RAF Waddington RWY 20
Description:
Threshold height : 15 m
Direction: 201.5 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.176943	-0.516706	66.70	15.24	81.94
2-mile point	53.203844	-0.499005	42.50	208.12	250.63

Name: South Hykeham RWY 10
Description:
Threshold height : 15 m
Direction: 104.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.172905	-0.608049	9.20	15.24	24.44
2-mile point	53.179900	-0.654907	13.65	179.48	193.13

Name: South Hykeham RWY 13
Description:
Threshold height : 15 m
Direction: 125.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.174410	-0.608746	7.86	15.24	23.10
2-mile point	53.190994	-0.648306	12.94	178.85	191.79

Name: South Hykeham RWY 28
Description:
Threshold height : 15 m
Direction: 284.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.171587	-0.600882	5.96	15.24	21.20
2-mile point	53.164592	-0.554026	24.07	165.82	189.89

Name: South Hykeham RWY 31
Description:
Threshold height : 15 m
Direction: 305.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

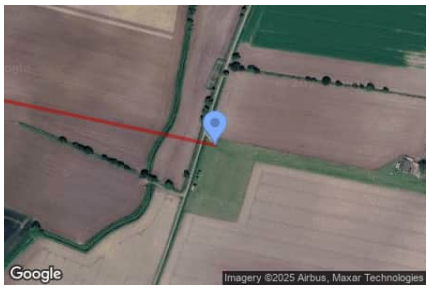
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.171413	-0.601032	5.63	15.24	20.87
2-mile point	53.154830	-0.561475	19.70	169.85	189.56

Name: South Scarle RW 28
Description:
Threshold height : 15 m
Direction: 282.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.158965	-0.722435	12.08	15.24	27.32
2-mile point	53.152954	-0.675213	16.89	179.11	196.00

Name: South Scarle RWY 10
Description:
Threshold height : 15 m
Direction: 102.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 25.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
Threshold	53.159820	-0.729462	12.00	15.24	27.24
2-mile point	53.165832	-0.776685	7.31	188.62	195.92



Route Receptor(s)

Name: RAF Waddington Circuit Path East
Route type Two-way
View angle: 25.0 deg

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	53.154354	-0.531641	69.27	15.00	84.27
2	53.123805	-0.551852	22.19	400.00	422.19
3	53.112472	-0.492071	60.27	600.00	660.27
4	53.195509	-0.445471	21.02	600.00	621.02
5	53.207848	-0.496626	48.38	400.00	448.38
6	53.176891	-0.516689	66.61	15.00	81.61

Name: RAF Waddington Circuit Path West
Route type Two-way
View angle: 25.0 deg

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	m	m	m
1	53.154353	-0.531666	69.35	15.00	84.35
2	53.123842	-0.552073	21.93	400.00	421.93
3	53.136176	-0.604645	6.68	600.00	606.68
4	53.220035	-0.548740	6.81	600.00	606.81
5	53.207957	-0.496727	48.30	400.00	448.30
6	53.176923	-0.516769	66.71	15.00	81.71

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	m	m	m
1-ATCT	53.172167	-0.523800	69.28	10.00	79.28

1-ATCT map image

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	
PV array 1	SA tracking	SA tracking	4,940	0	-	-
PV array 10	SA tracking	SA tracking	12,846	10,241	-	-
PV array 11	SA tracking	SA tracking	27,208	14,106	-	-
PV array 12	SA tracking	SA tracking	23,205	0	-	-
PV array 13	SA tracking	SA tracking	11,287	23	-	-
PV array 14	SA tracking	SA tracking	11,201	267	-	-
PV array 15	SA tracking	SA tracking	9,040	0	-	-
PV array 2	SA tracking	SA tracking	4,120	0	-	-
PV array 3	SA tracking	SA tracking	6,912	0	-	-
PV array 4	SA tracking	SA tracking	2,597	4	-	-
PV array 6	SA tracking	SA tracking	4,293	0	-	-
PV array 7	SA tracking	SA tracking	9,504	140	-	-
PV array 8	SA tracking	SA tracking	4,960	0	-	-
PV array 9	SA tracking	SA tracking	3,723	0	-	-

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
pv-array-1 (green)	0	0	255	395	626	862	778	360	451	10	0	0
pv-array-1 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-10 (green)	1214	467	396	285	1535	1580	1692	692	207	599	922	1254
pv-array-10 (yellow)	13	218	109	1691	1919	1661	1780	2123	403	159	136	0
pv-array-11 (green)	1002	511	371	2129	3228	2464	2835	2790	875	402	874	1233
pv-array-11 (yellow)	491	27	115	2211	2053	2539	2211	2507	583	10	391	288
pv-array-12 (green)	1197	1449	1933	3732	822	1036	565	3292	2322	1743	1080	1418
pv-array-12 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-13 (green)	738	321	416	1393	941	677	807	1338	870	158	676	687
pv-array-13 (yellow)	0	0	0	12	0	0	0	0	11	0	0	0
pv-array-14 (green)	1324	1018	407	959	0	0	0	380	955	627	1260	1325
pv-array-14 (yellow)	0	0	28	107	0	0	0	0	132	0	0	0
pv-array-15 (green)	1267	567	361	217	0	0	0	39	541	270	1121	1369
pv-array-15 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-2 (green)	0	0	185	427	407	535	486	358	368	0	0	0
pv-array-2 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-3 (green)	0	3	409	368	865	1073	1032	417	516	83	0	0
pv-array-3 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-4 (green)	401	51	462	86	0	0	0	4	437	109	324	170
pv-array-4 (yellow)	0	0	2	0	0	0	0	0	2	0	0	0
pv-array-6 (green)	649	177	642	29	0	0	0	0	464	248	633	491
pv-array-6 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-7 (green)	0	0	203	506	1481	1520	1576	875	286	37	0	0
pv-array-7 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-8 (green)	271	185	271	105	684	440	618	342	87	366	99	583
pv-array-8 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
pv-array-9 (green)	274	305	47	473	0	306	53	486	0	321	131	609
pv-array-9 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

PV array 1 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	62	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	42	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	269	0
FP: South Hykeham RWY 31	291	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	634	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	1349	0
Route: RAF Waddington Circuit Path West	2293	0

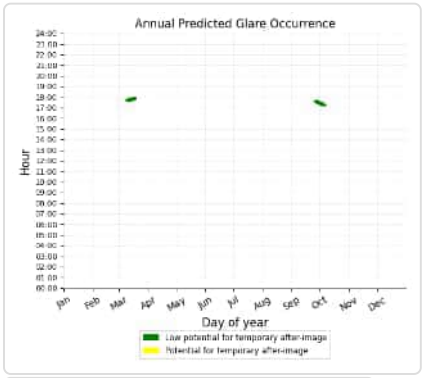
PV array 1: Blackmoor Farm RWY 06

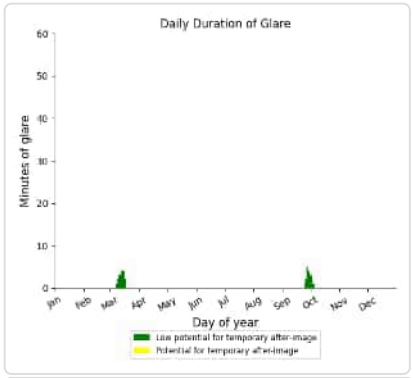
No glare found

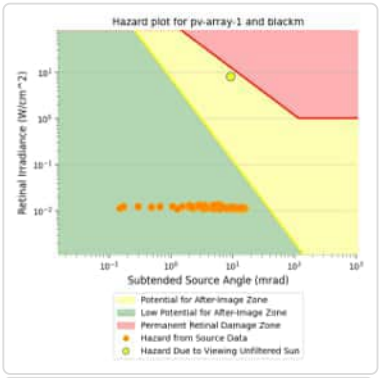
PV array 1: Blackmoor Farm RWY 24

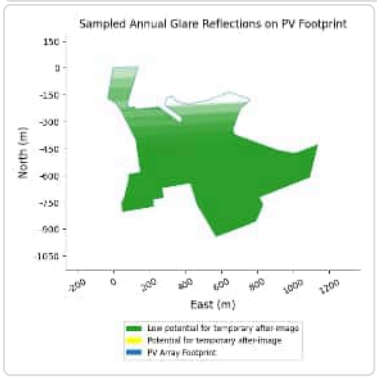
PV array is expected to produce the following glare for this receptor:

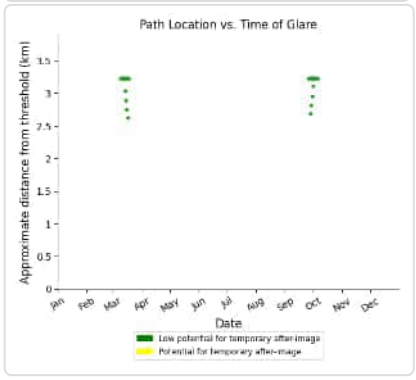
- 62 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

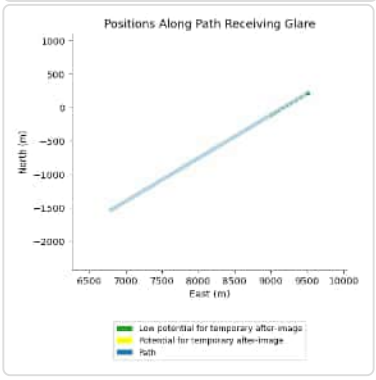












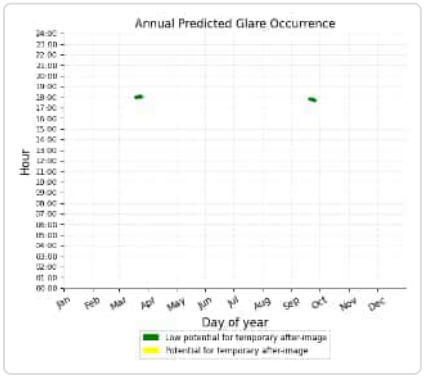
PV array 1: Peacocks Farm RWY 06

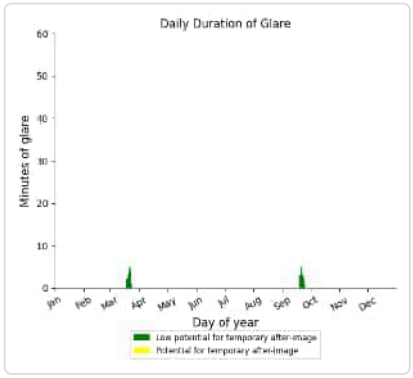
No glare found

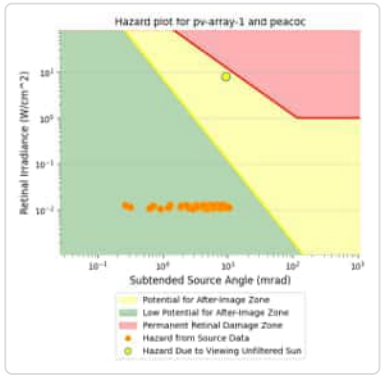
PV array 1: Peacocks Farm RWY 24

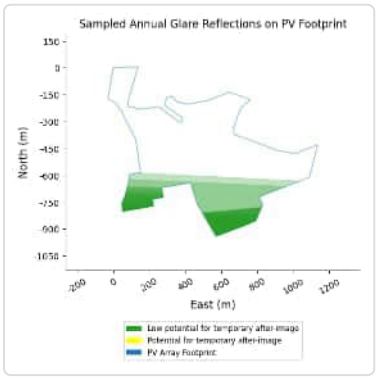
PV array is expected to produce the following glare for this receptor:

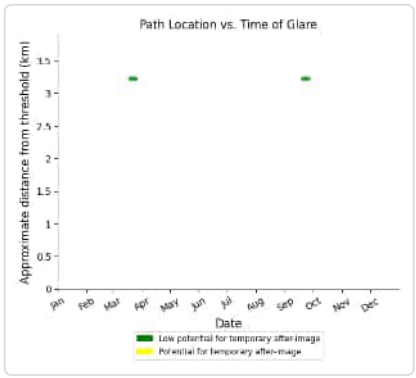
- 42 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

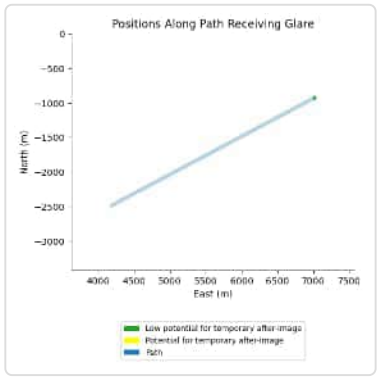












PV array 1: RAF Waddington RWY 02

No glare found

PV array 1: RAF Waddington RWY 20

No glare found

PV array 1: South Hykeham RWY 10

No glare found

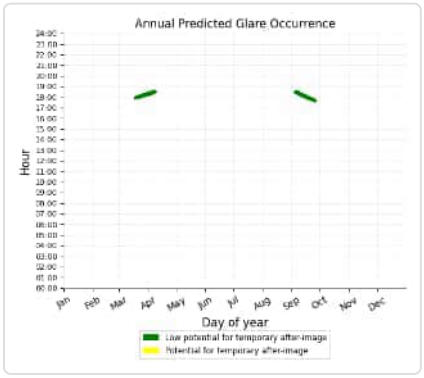
PV array 1: South Hykeham RWY 13

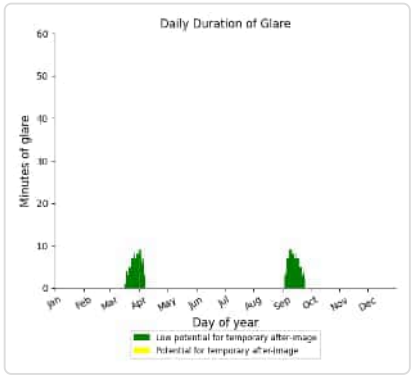
No glare found

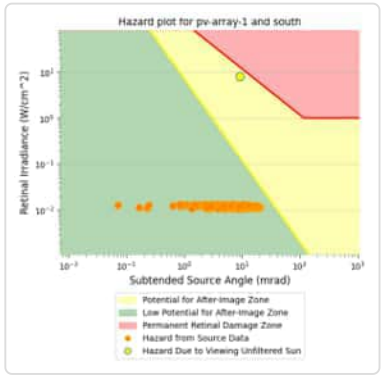
PV array 1: South Hykeham RWY 28

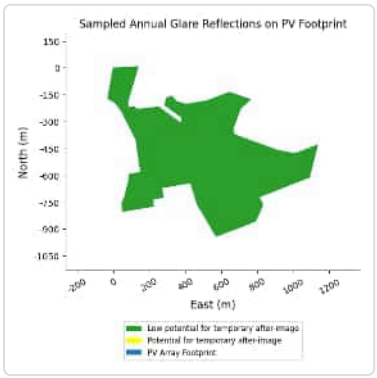
PV array is expected to produce the following glare for this receptor:

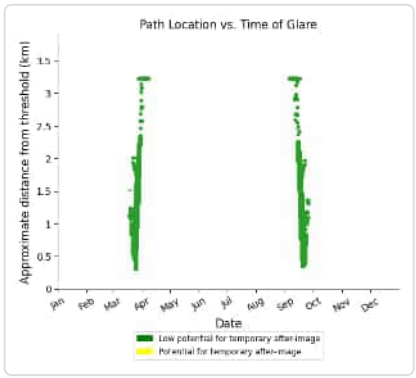
- 269 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

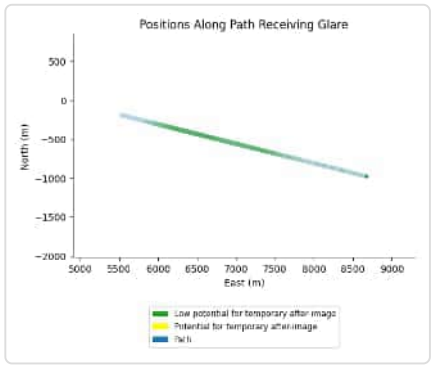








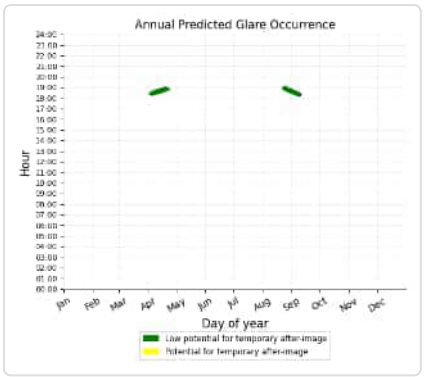


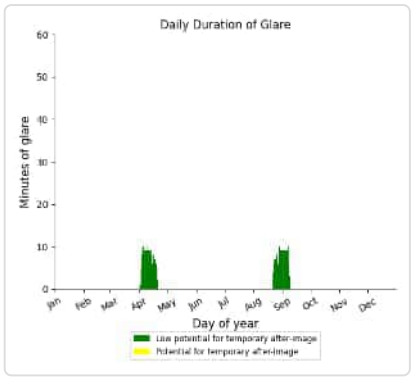


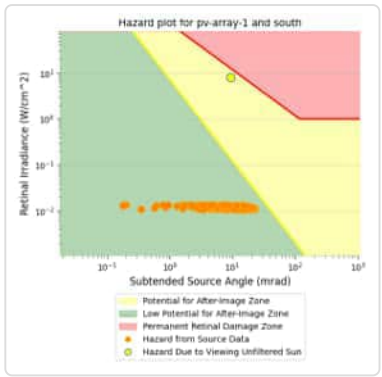
PV array 1: South Hykeham RWY 31

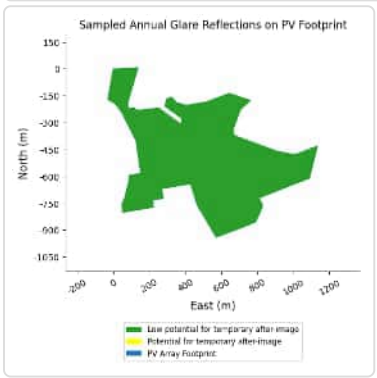
PV array is expected to produce the following glare for this receptor:

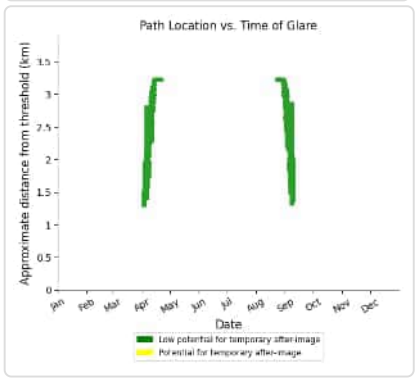
- 291 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

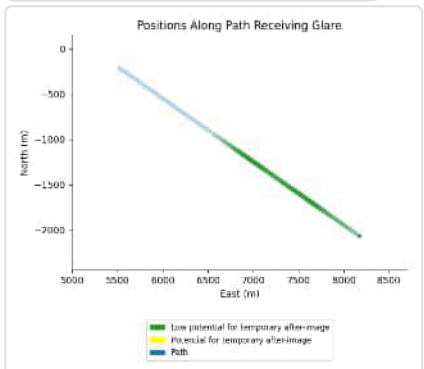












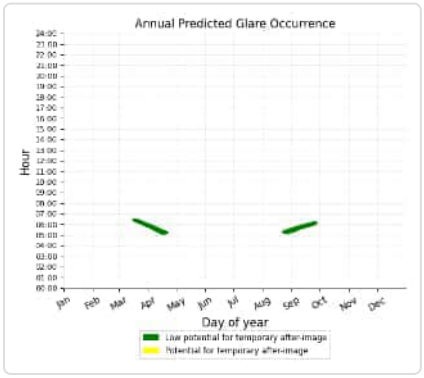
PV array 1: South Scarle RW 28

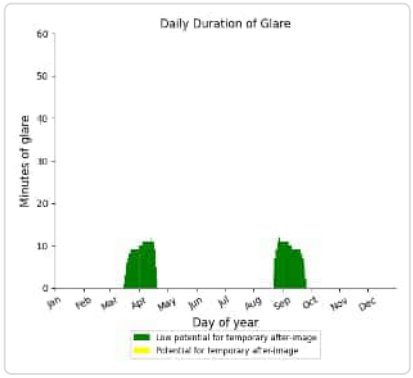
No glare found

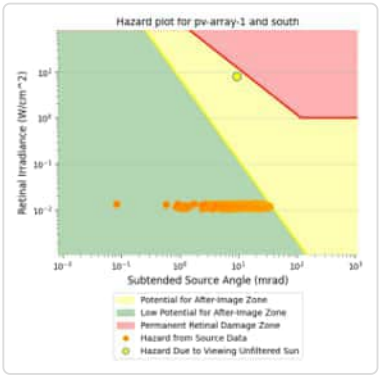
PV array 1: South Scarle RWY 10

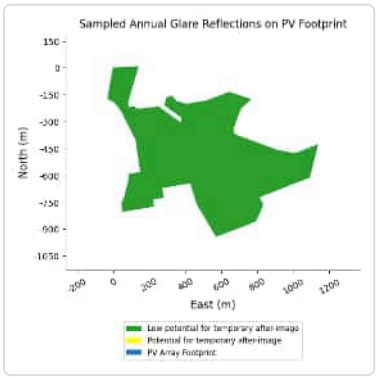
PV array is expected to produce the following glare for this receptor:

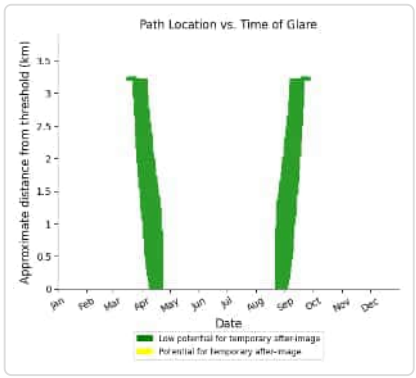
- 634 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

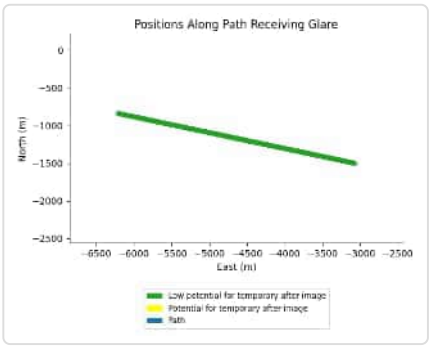












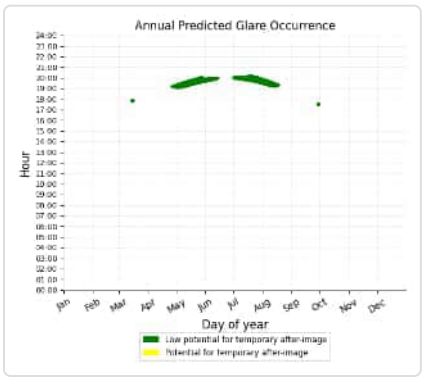
PV array 1: 1-ATCT

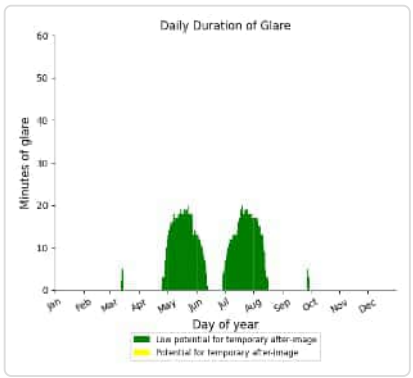
No glare found

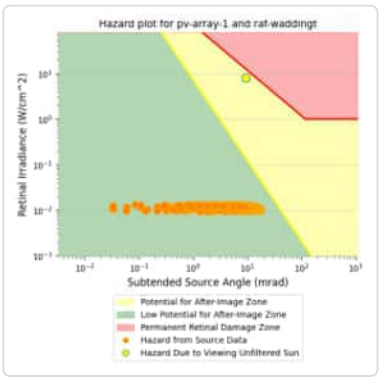
PV array 1: RAF Waddington Circuit Path East

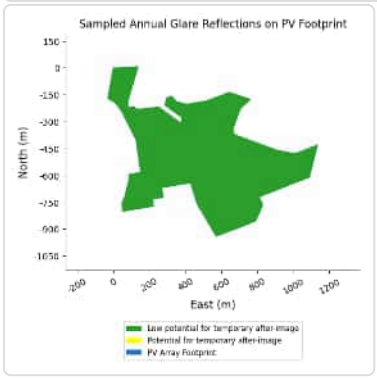
PV array is expected to produce the following glare for this receptor:

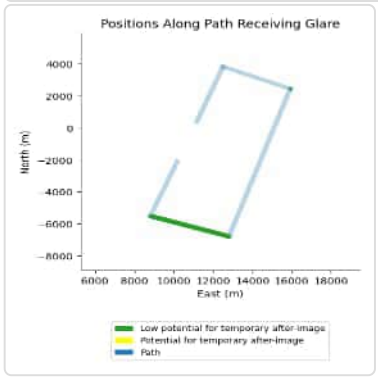
- 1,349 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







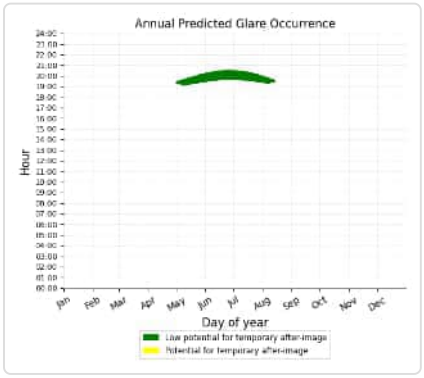


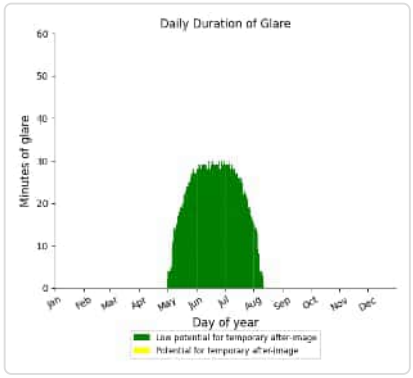


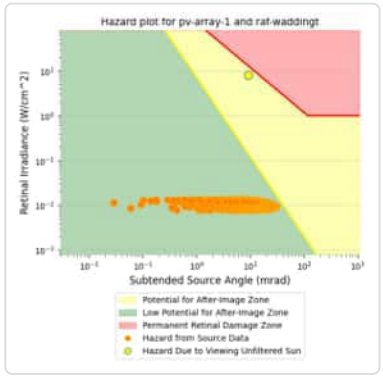
PV array 1: RAF Waddington Circuit Path West

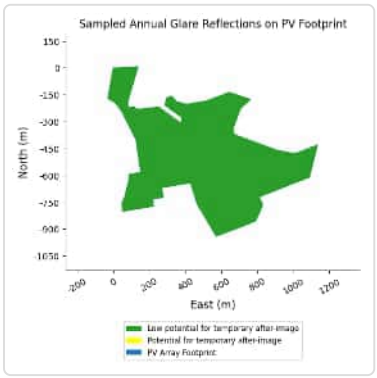
PV array is expected to produce the following glare for this receptor:

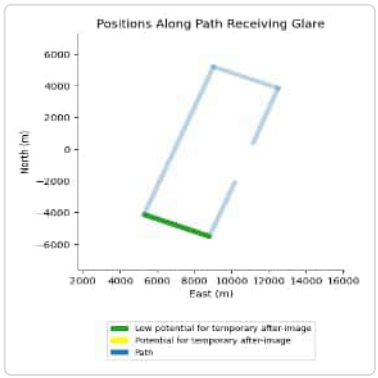
- 2,293 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 10 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	1005	0
FP: Peacocks Farm RWY 06	2409	9615
FP: Peacocks Farm RWY 24	2445	626
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	46	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	413	0
OP: 1-ATCT	310	0
Route: RAF Waddington Circuit Path East	320	0
Route: RAF Waddington Circuit Path West	5898	0

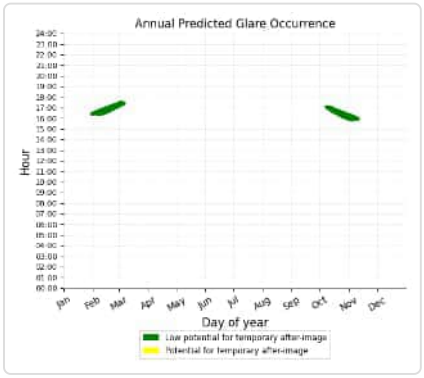
PV array 10: Blackmoor Farm RWY 06

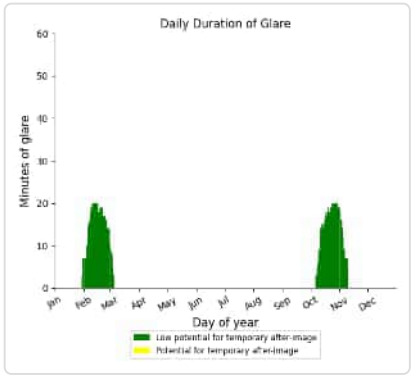
No glare found

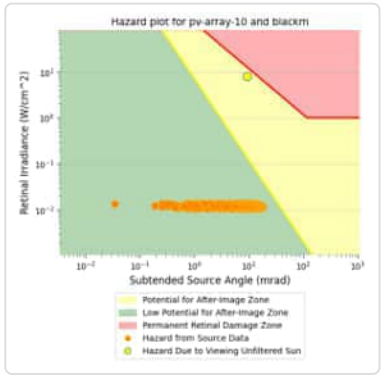
PV array 10: Blackmoor Farm RWY 24

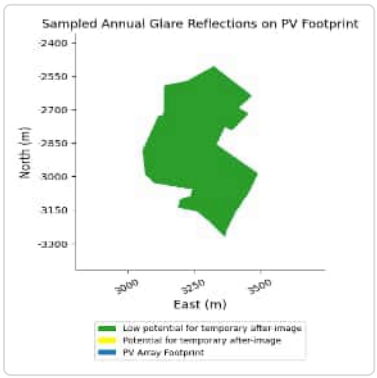
PV array is expected to produce the following glare for this receptor:

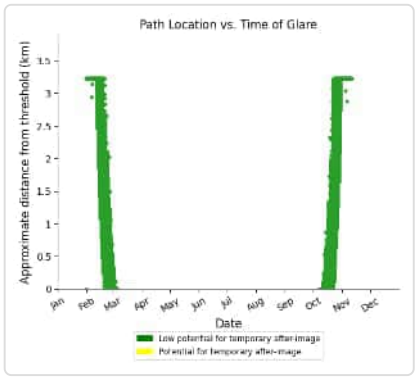
- 1,005 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

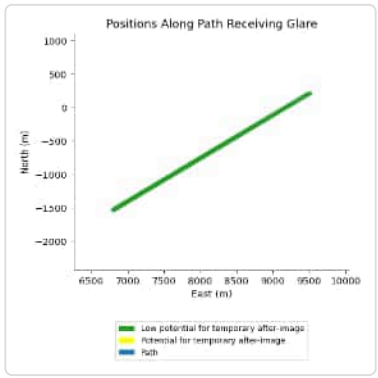








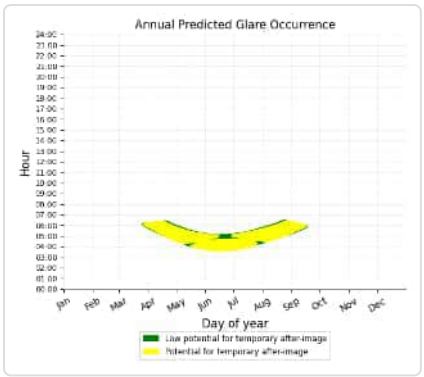


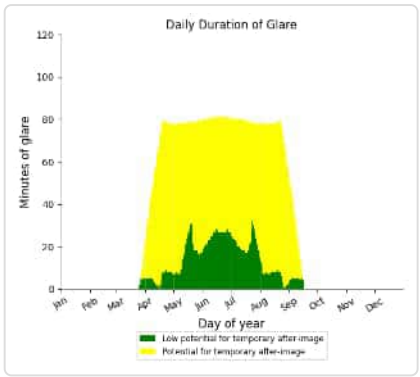


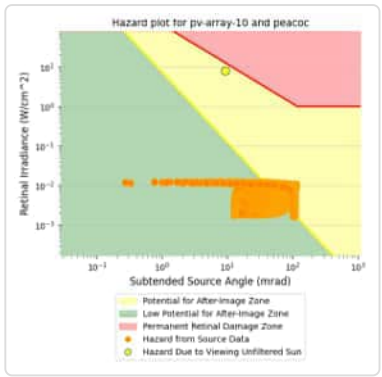
PV array 10: Peacocks Farm RWY 06

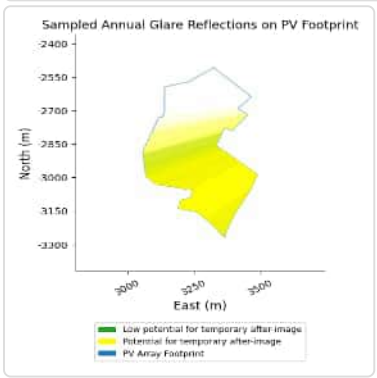
PV array is expected to produce the following glare for this receptor:

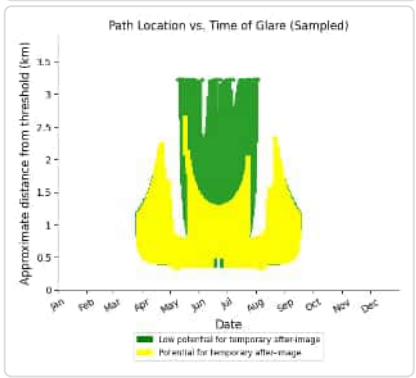
- 2,409 minutes of "green" glare with low potential to cause temporary after-image.
- 9,615 minutes of "yellow" glare with potential to cause temporary after-image.

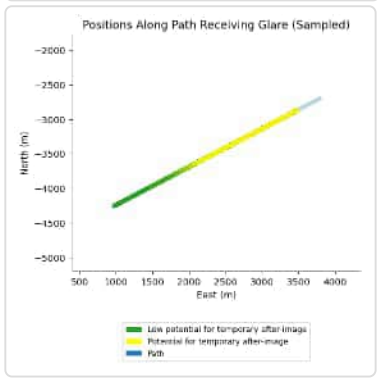








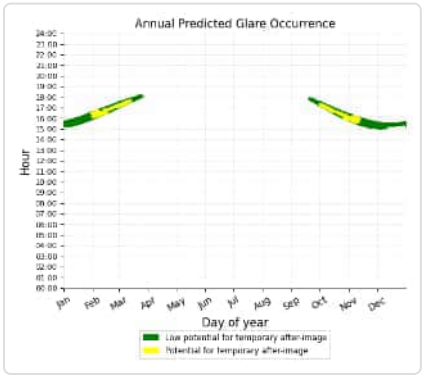


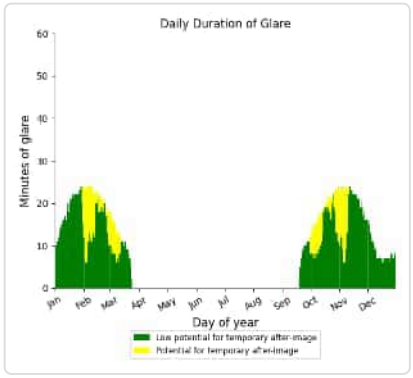


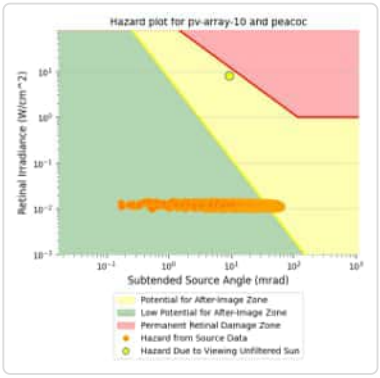
PV array 10: Peacocks Farm RWY 24

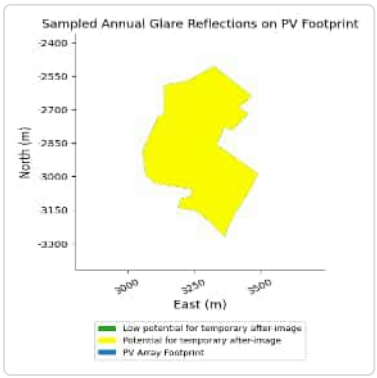
PV array is expected to produce the following glare for this receptor:

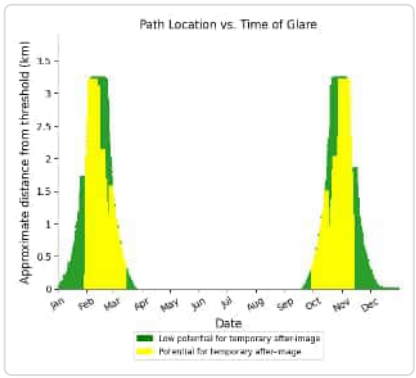
- 2,445 minutes of "green" glare with low potential to cause temporary after-image.
- 626 minutes of "yellow" glare with potential to cause temporary after-image.

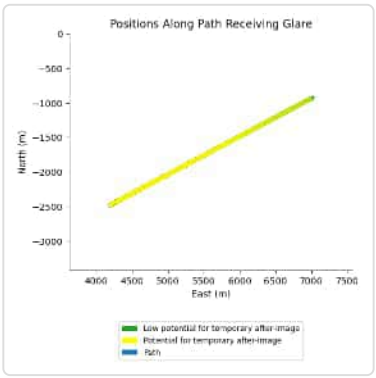












PV array 10: RAF Waddington RWY 02

No glare found

PV array 10: RAF Waddington RWY 20

No glare found

PV array 10: South Hykeham RWY 10

No glare found

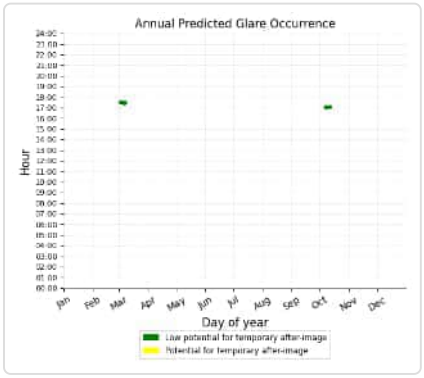
PV array 10: South Hykeham RWY 13

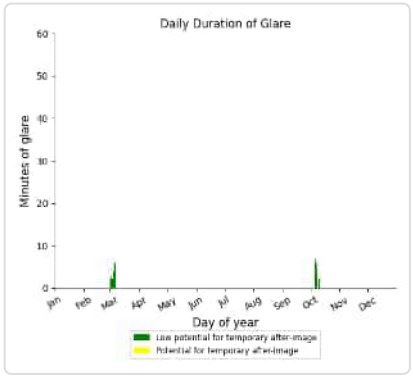
No glare found

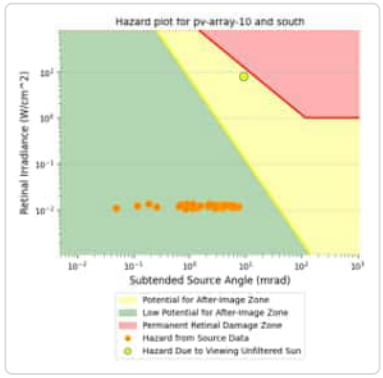
PV array 10: South Hykeham RWY 28

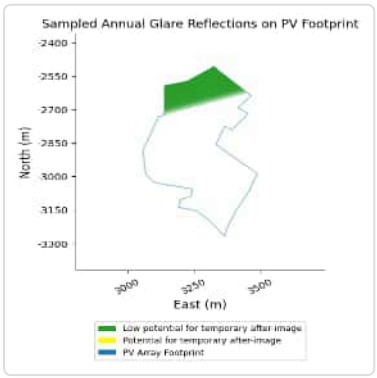
PV array is expected to produce the following glare for this receptor:

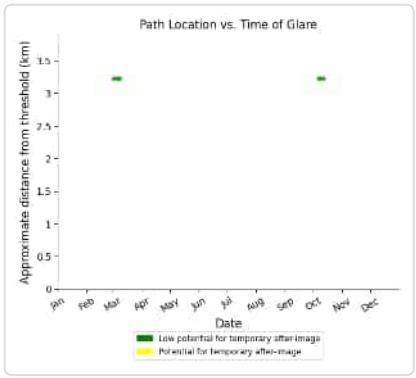
- 46 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

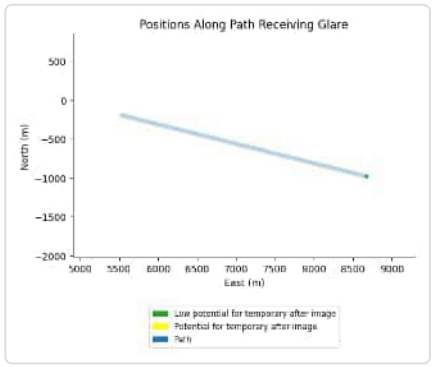












PV array 10: South Hykeham RWY 31

No glare found

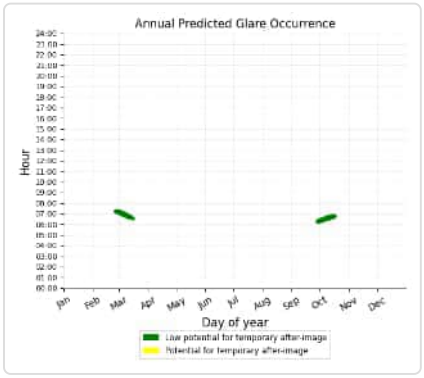
PV array 10: South Scarle RW 28

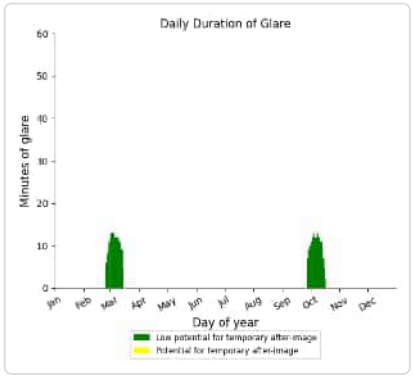
No glare found

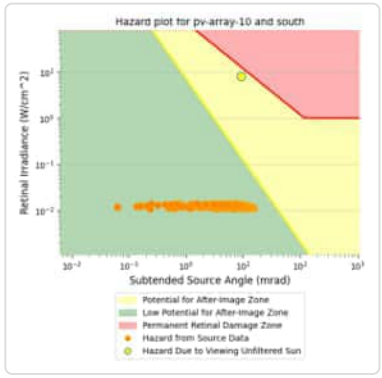
PV array 10: South Scarle RWY 10

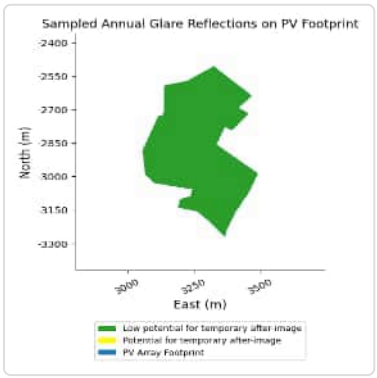
PV array is expected to produce the following glare for this receptor:

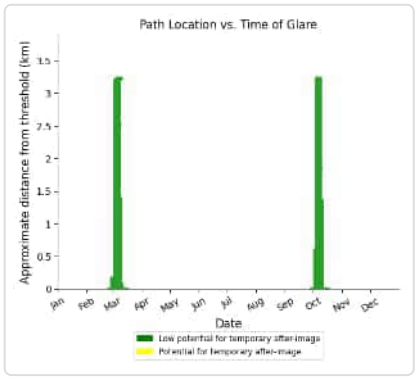
- 413 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

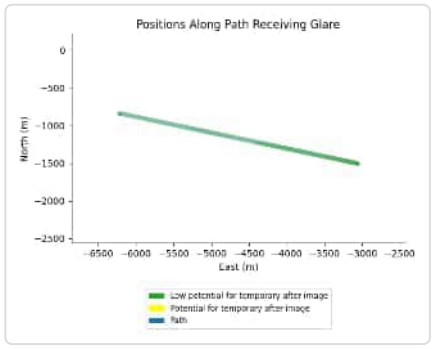








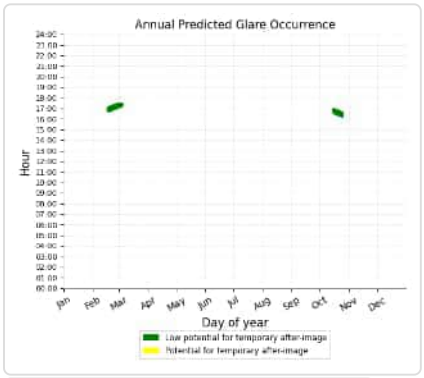


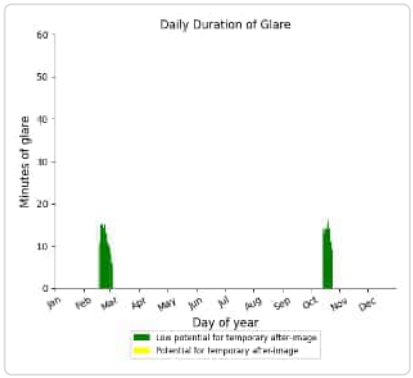


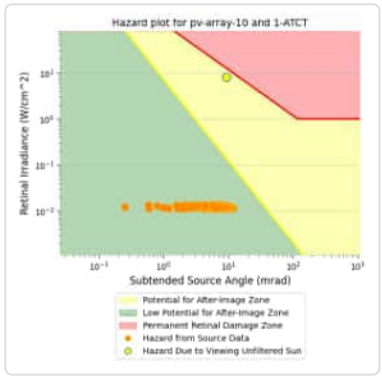
PV array 10: 1-ATCT

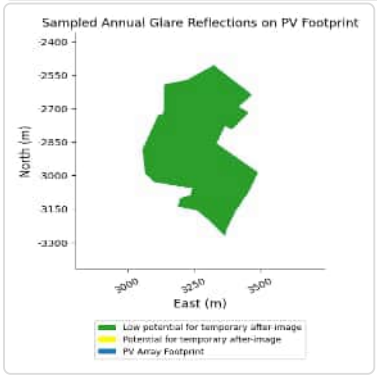
PV array is expected to produce the following glare for this receptor:

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





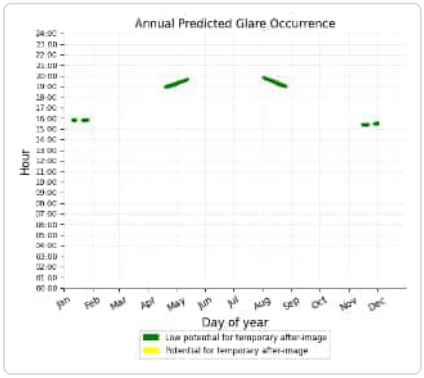


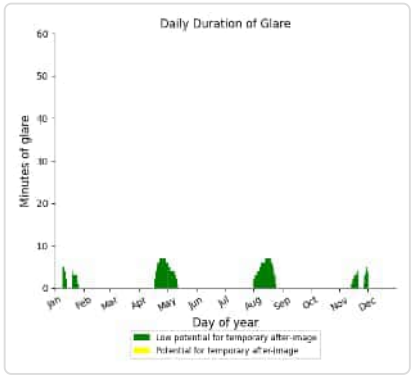


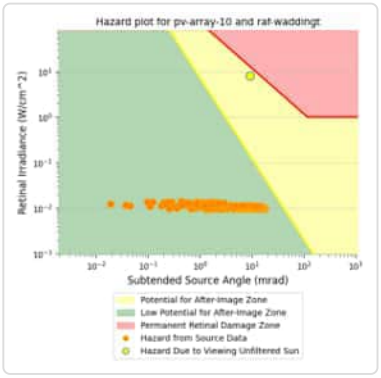
PV array 10: RAF Waddington Circuit Path East

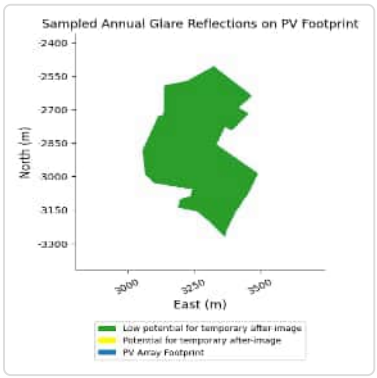
PV array is expected to produce the following glare for this receptor:

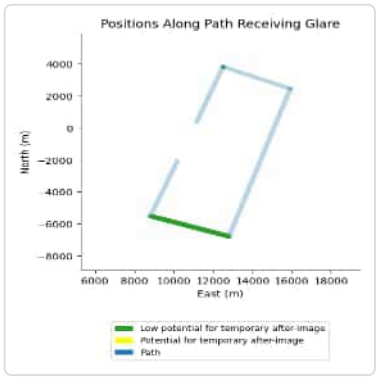
- 320 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







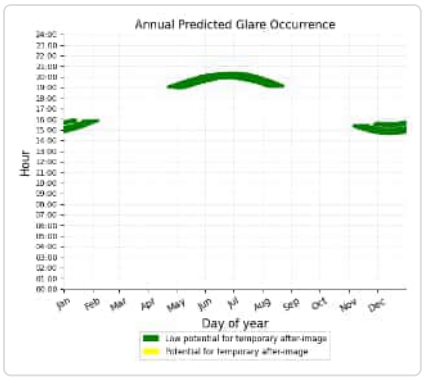


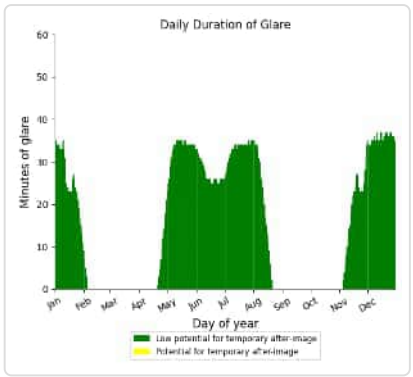


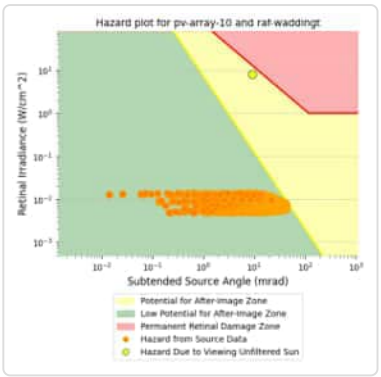
PV array 10: RAF Waddington Circuit Path West

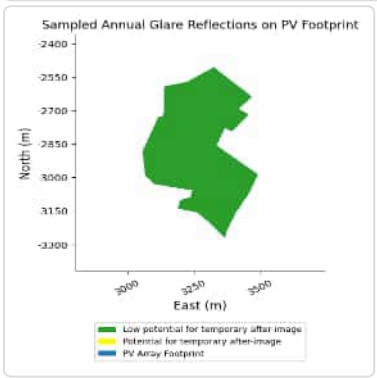
PV array is expected to produce the following glare for this receptor:

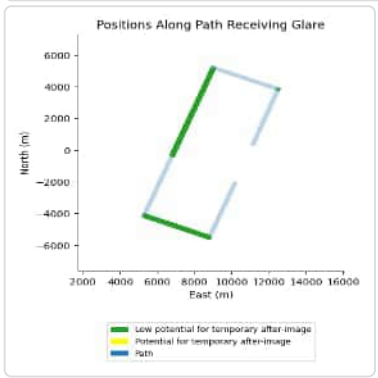
- 5,898 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 11 potential temporary after-image

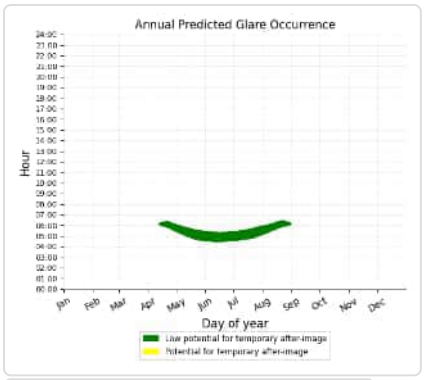
Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	4685	0

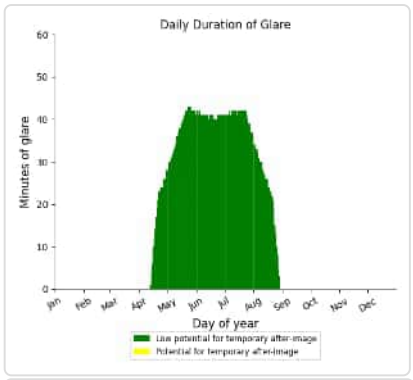
FP: Blackmoor Farm RWY 24	1408	0
FP: Peacocks Farm RWY 06	4467	8532
FP: Peacocks Farm RWY 24	775	1056
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	487	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	374	0
OP: 1-ATCT	17	0
Route: RAF Waddington Circuit Path East	1826	0
Route: RAF Waddington Circuit Path West	13169	4518

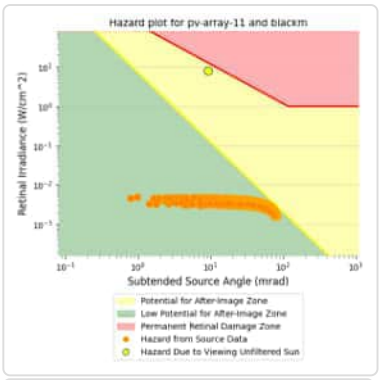
PV array 11: Blackmoor Farm RWY 06

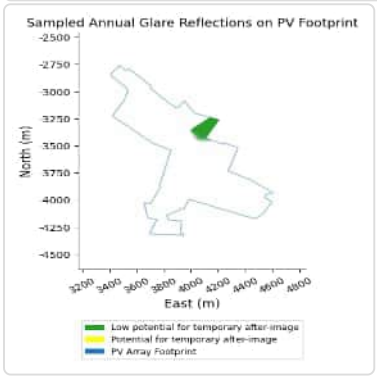
PV array is expected to produce the following glare for this receptor:

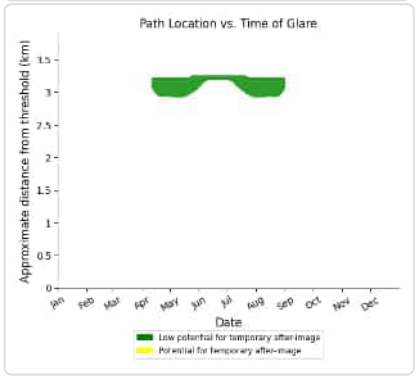
- 4,685 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

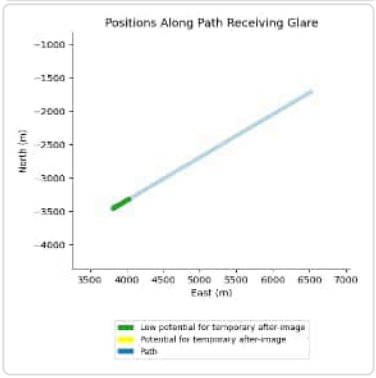








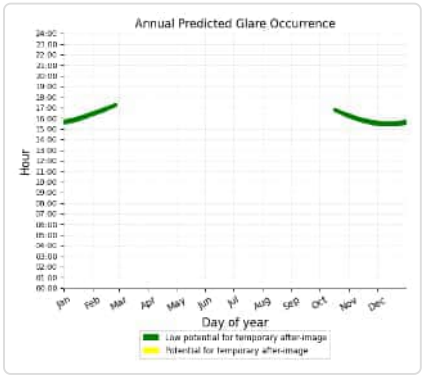


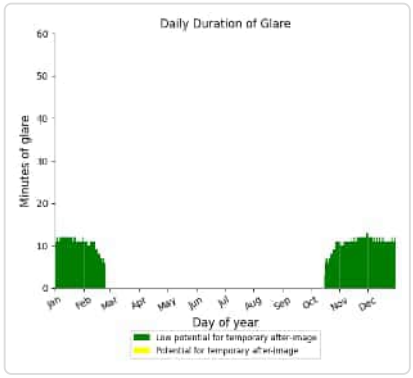


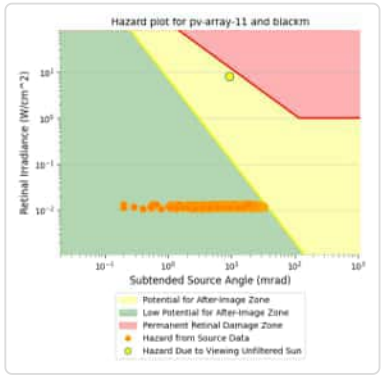
PV array 11: Blackmoor Farm RWY 24

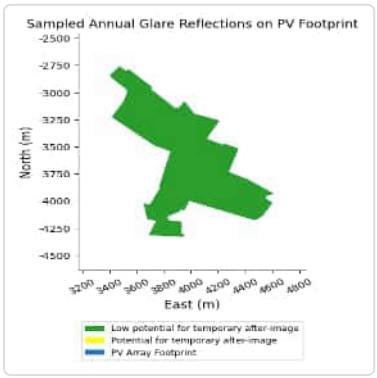
PV array is expected to produce the following glare for this receptor:

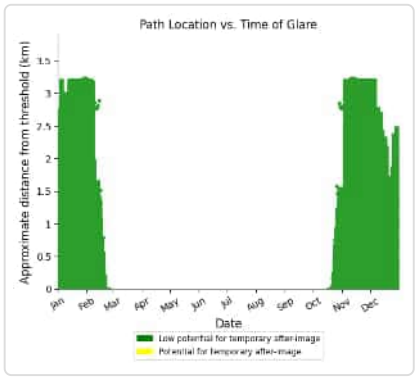
- 1,408 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

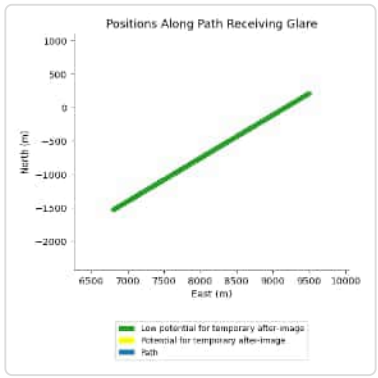








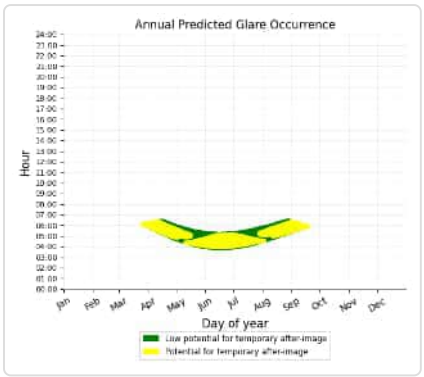


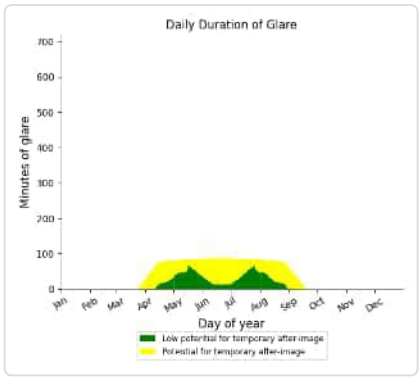


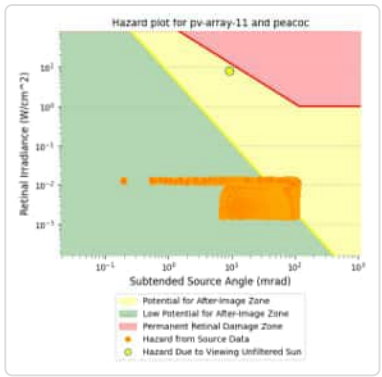
PV array 11: Peacocks Farm RWY 06

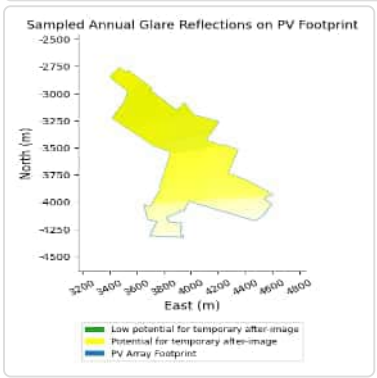
PV array is expected to produce the following glare for this receptor:

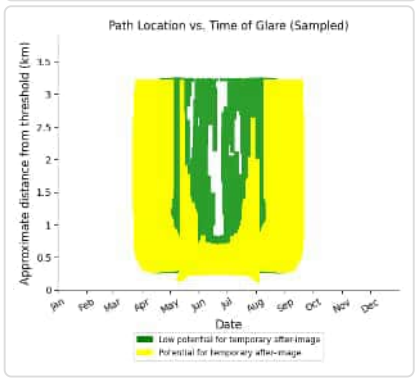
- 4,467 minutes of "green" glare with low potential to cause temporary after-image.
- 8,532 minutes of "yellow" glare with potential to cause temporary after-image.

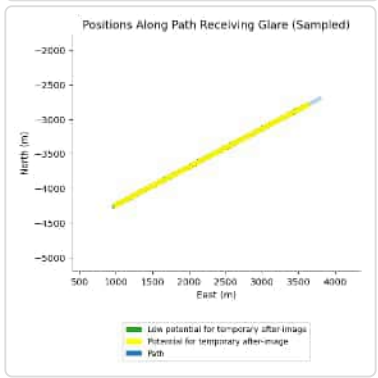








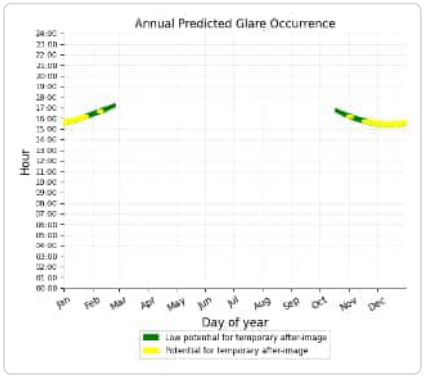


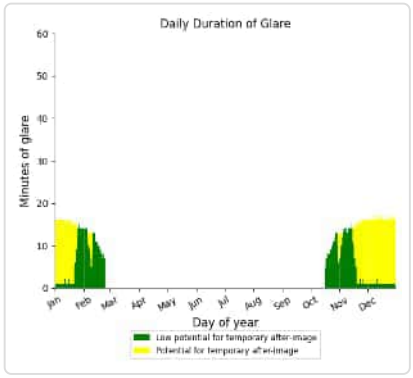


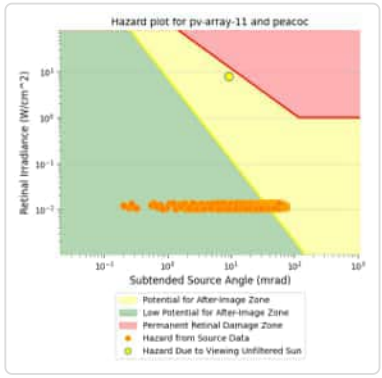
PV array 11: Peacocks Farm RWY 24

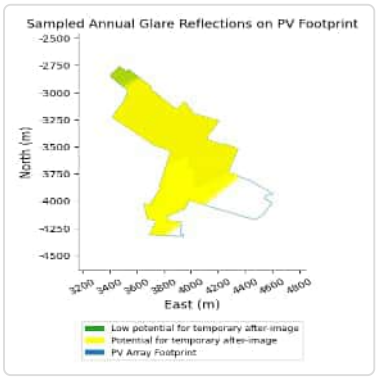
PV array is expected to produce the following glare for this receptor:

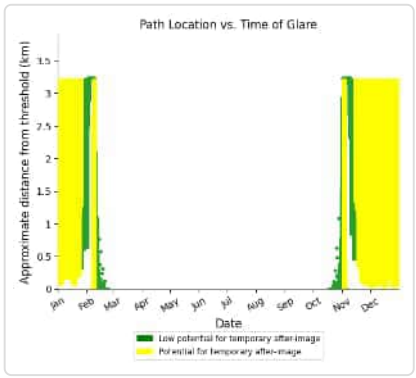
- 775 minutes of "green" glare with low potential to cause temporary after-image.
- 1,056 minutes of "yellow" glare with potential to cause temporary after-image.

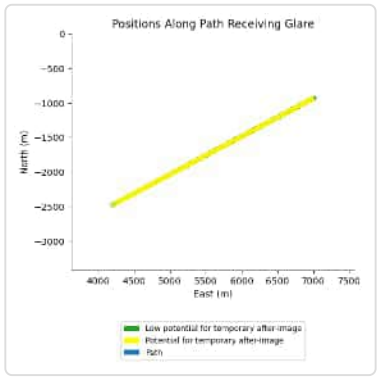












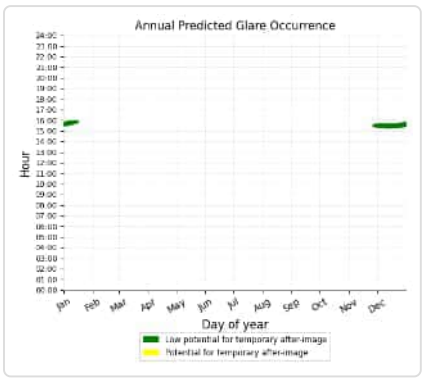
PV array 11: RAF Waddington RWY 02

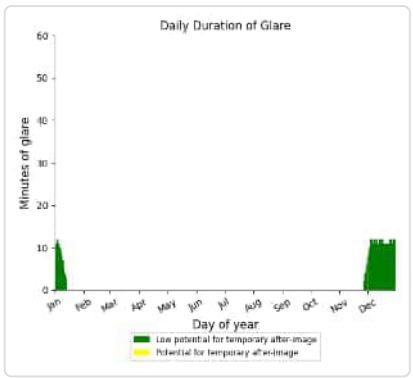
No glare found

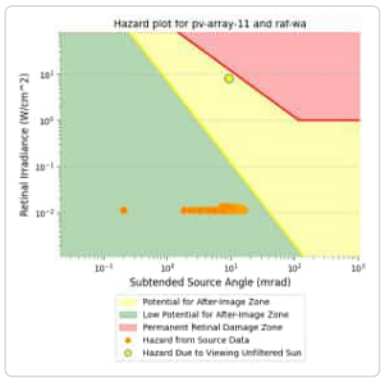
PV array 11: RAF Waddington RWY 20

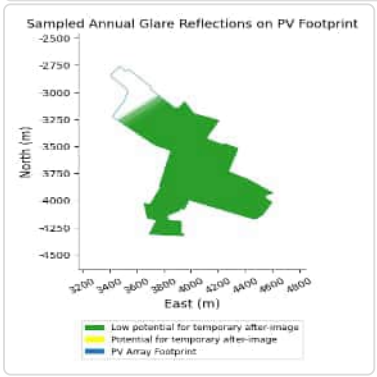
PV array is expected to produce the following glare for this receptor:

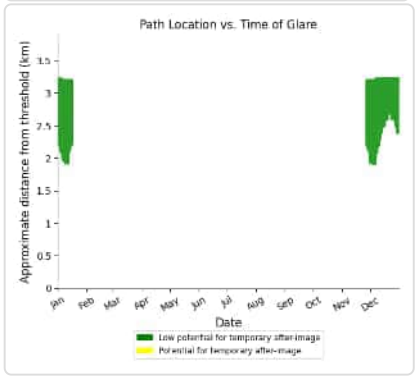
- 487 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

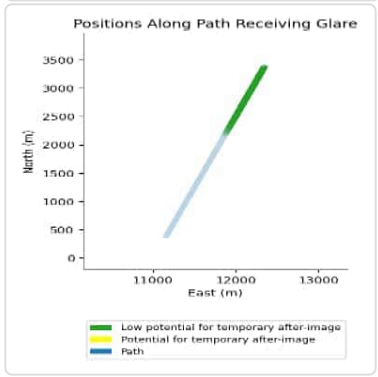












PV array 11: South Hykeham RWY 10

No glare found

PV array 11: South Hykeham RWY 13

No glare found

PV array 11: South Hykeham RWY 28

No glare found

PV array 11: South Hykeham RWY 31

No glare found

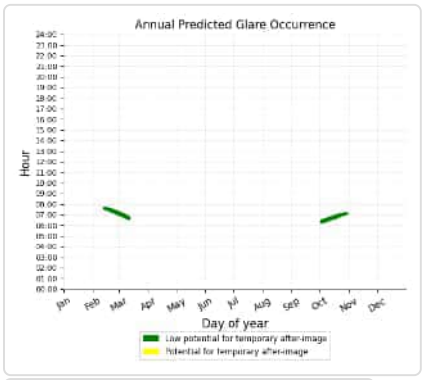
PV array 11: South Scarle RW 28

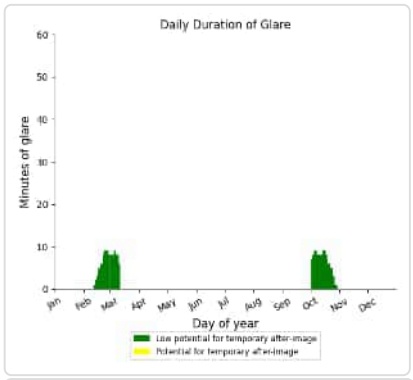
No glare found

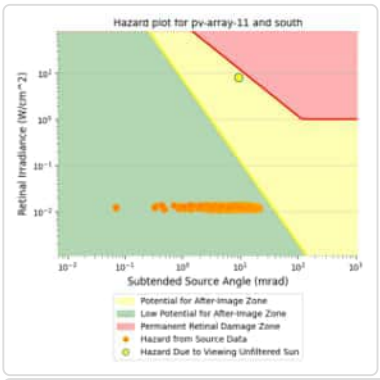
PV array 11: South Scarle RWY 10

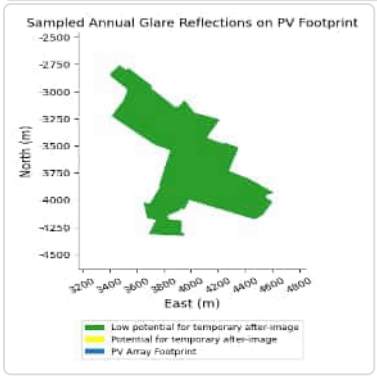
PV array is expected to produce the following glare for this receptor:

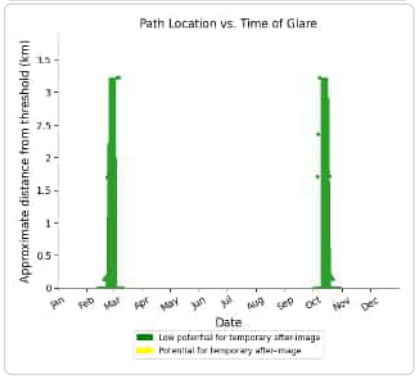
- 374 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

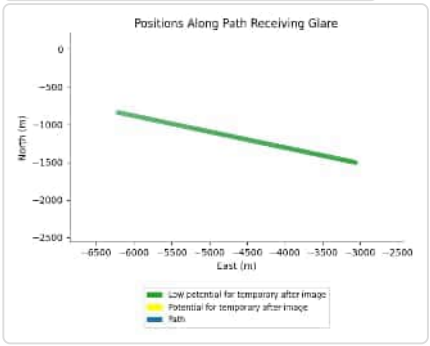








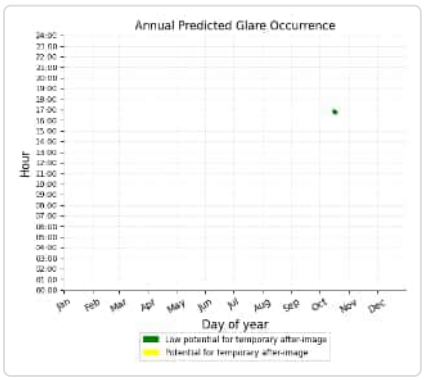


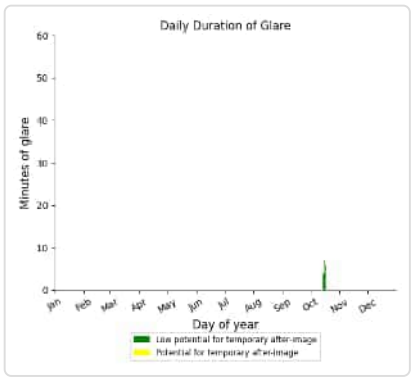


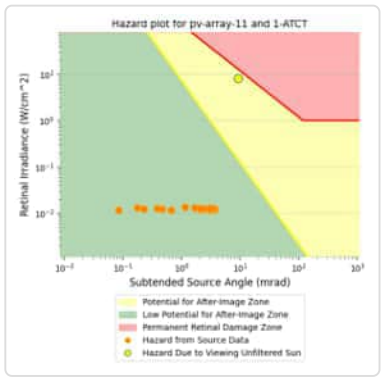
PV array 11: 1-ATCT

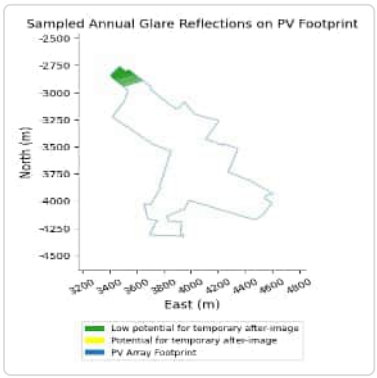
PV array is expected to produce the following glare for this receptor:

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





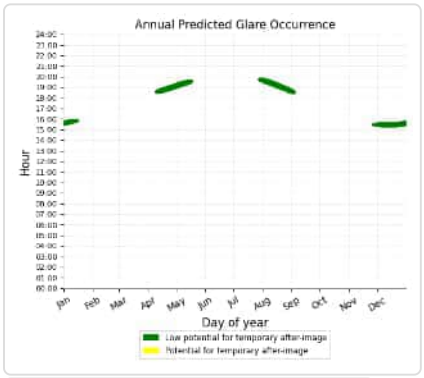


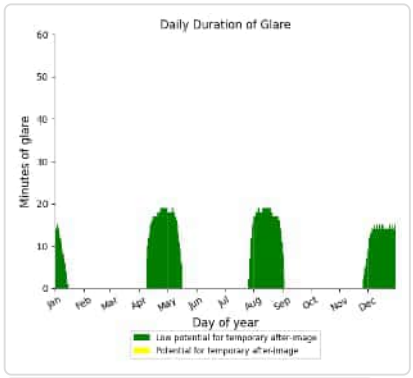


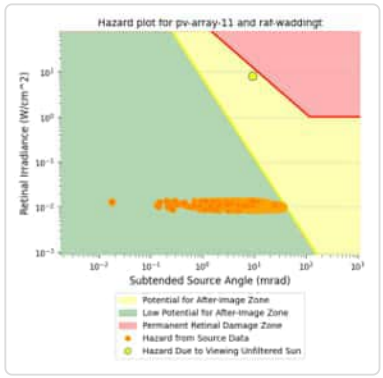
PV array 11: RAF Waddington Circuit Path East

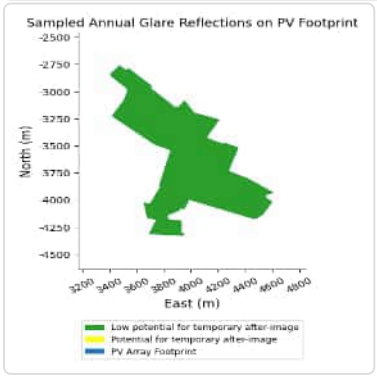
PV array is expected to produce the following glare for this receptor:

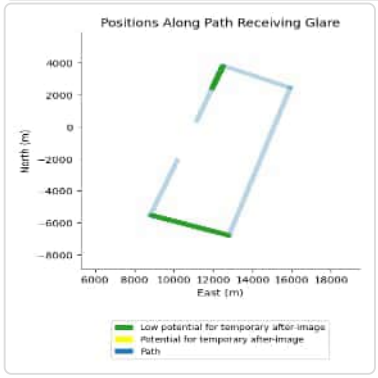
- 1,826 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







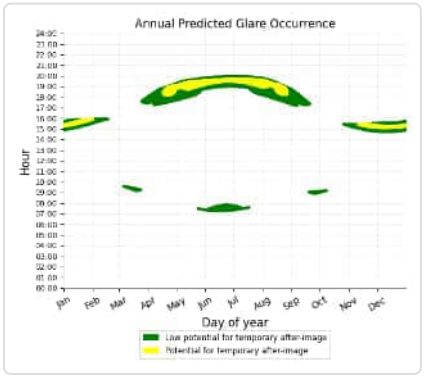


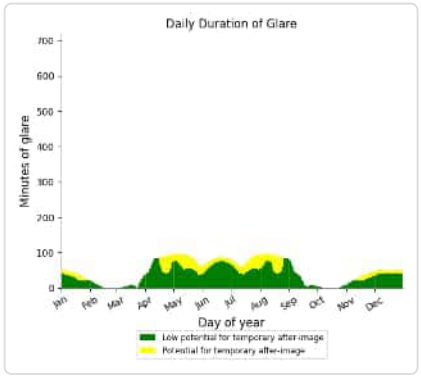


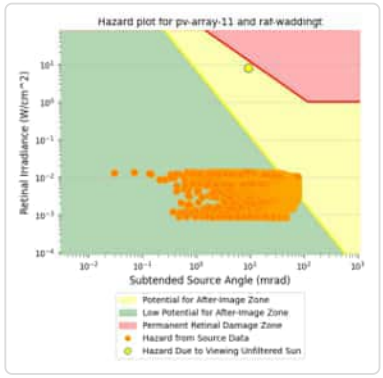
PV array 11: RAF Waddington Circuit Path West

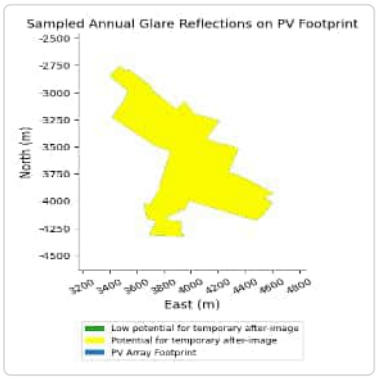
PV array is expected to produce the following glare for this receptor:

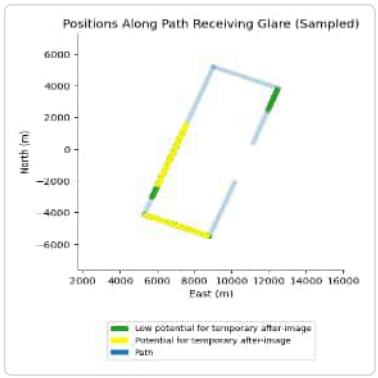
- 13,169 minutes of "green" glare with low potential to cause temporary after-image.
- 4,518 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 12 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	769	0
FP: Peacocks Farm RWY 06	156	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	625	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	236	0
OP: 1-ATCT	45	0
Route: RAF Waddington Circuit Path East	1382	0
Route: RAF Waddington Circuit Path West	19992	0

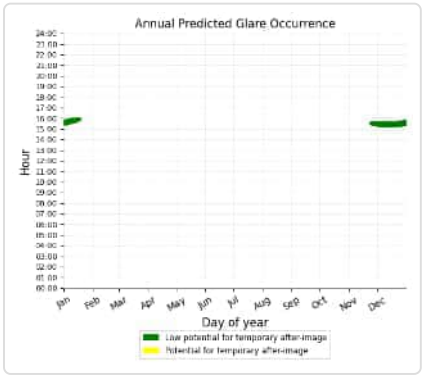
PV array 12: Blackmoor Farm RWY 06

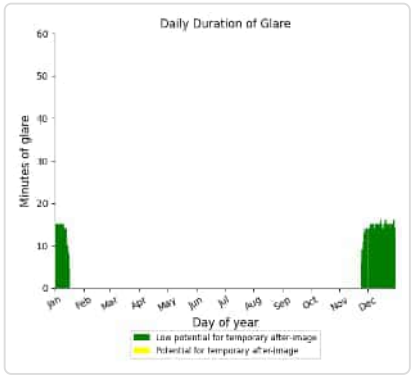
No glare found

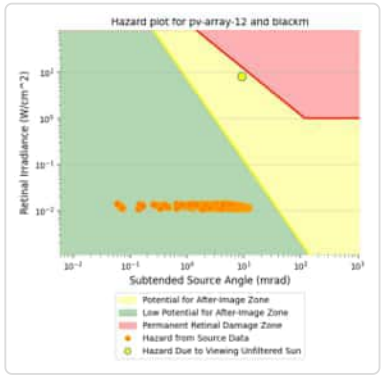
PV array 12: Blackmoor Farm RWY 24

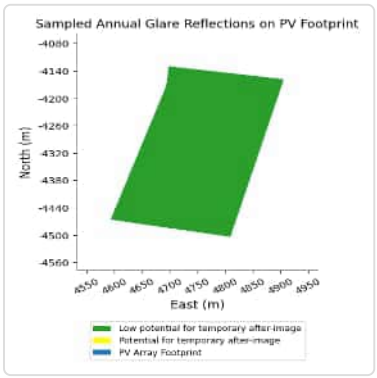
PV array is expected to produce the following glare for this receptor:

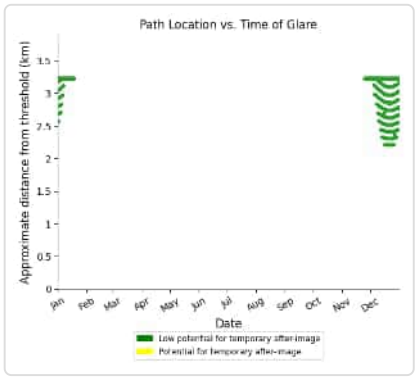
- 769 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

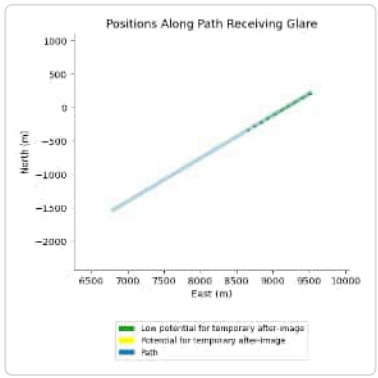








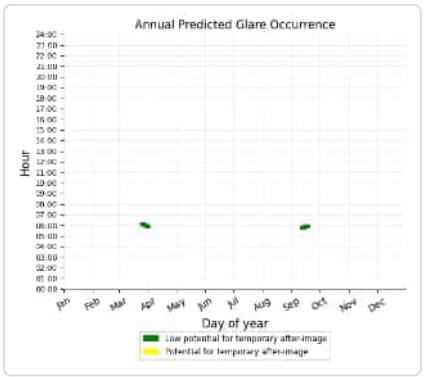


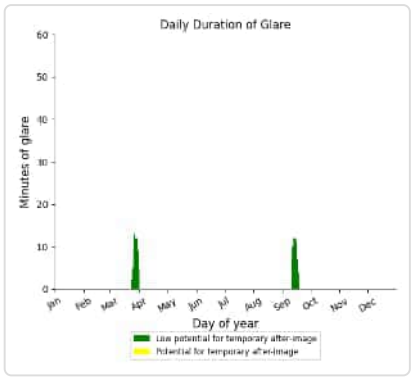


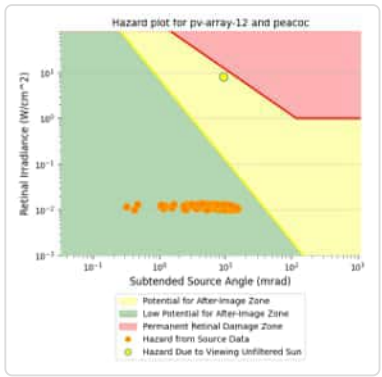
PV array 12: Peacocks Farm RWY 06

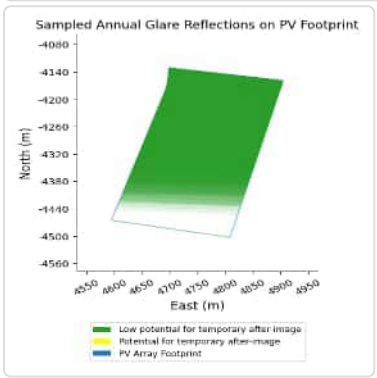
PV array is expected to produce the following glare for this receptor:

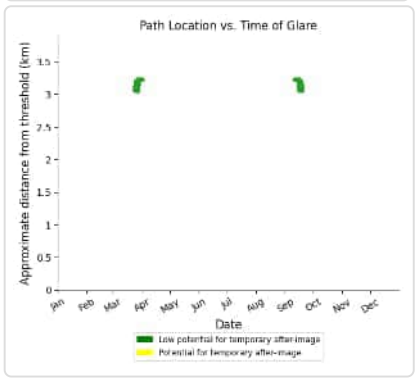
- 156 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

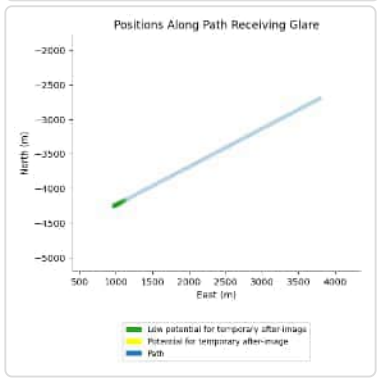












PV array 12: Peacocks Farm RWY 24

No glare found

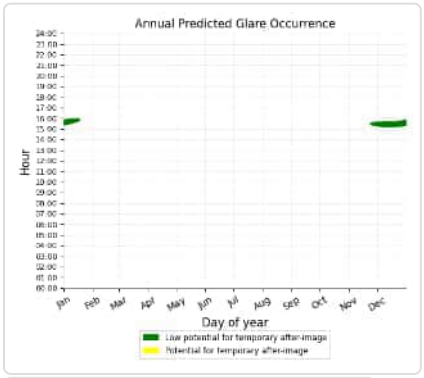
PV array 12: RAF Waddington RWY 02

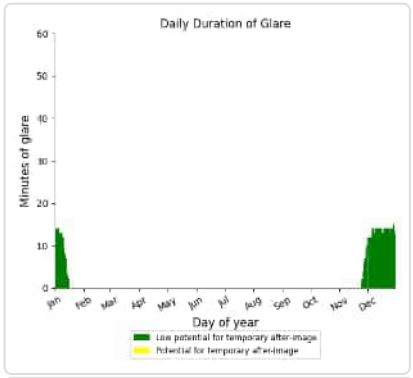
No glare found

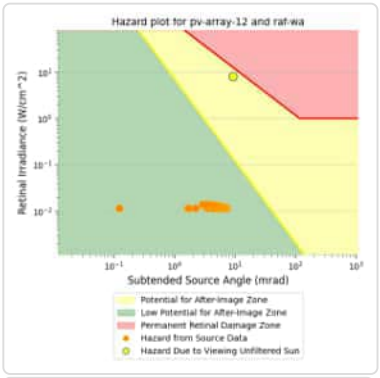
PV array 12: RAF Waddington RWY 20

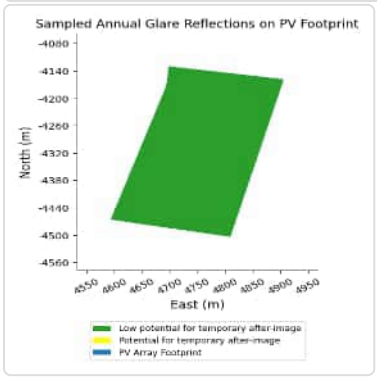
PV array is expected to produce the following glare for this receptor:

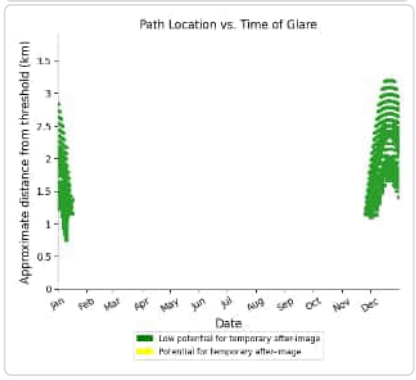
- 625 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

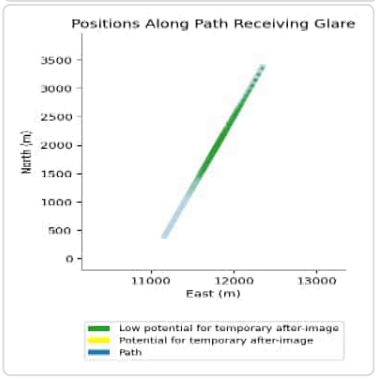












PV array 12: South Hykeham RWY 10

No glare found

PV array 12: South Hykeham RWY 13

No glare found

PV array 12: South Hykeham RWY 28

No glare found

PV array 12: South Hykeham RWY 31

No glare found

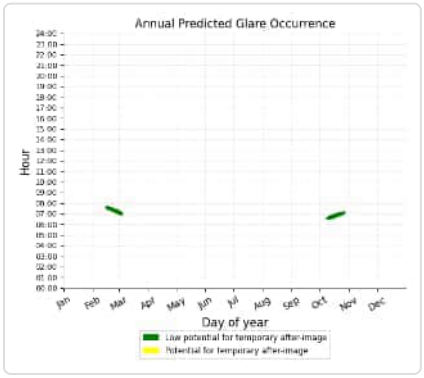
PV array 12: South Scarle RW 28

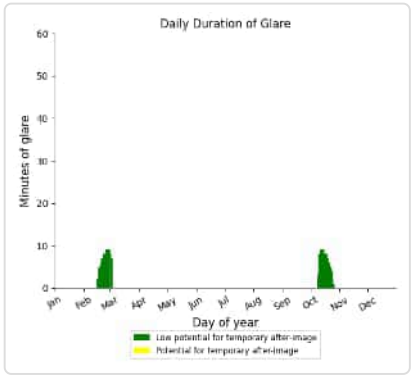
No glare found

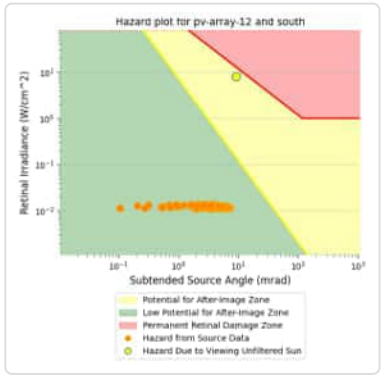
PV array 12: South Scarle RWY 10

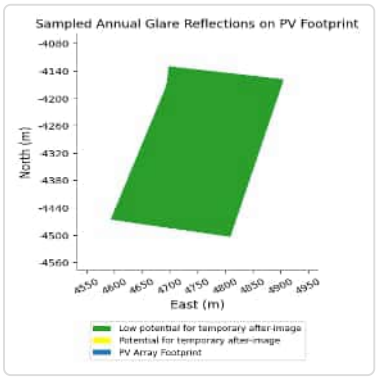
PV array is expected to produce the following glare for this receptor:

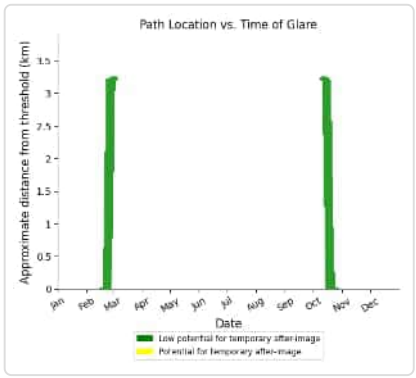
- 236 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

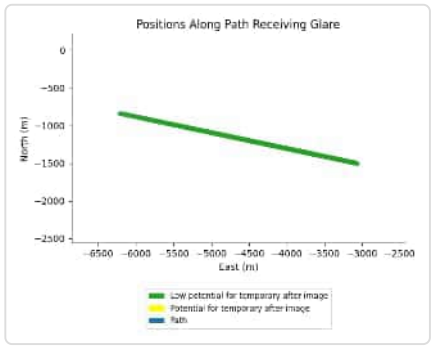








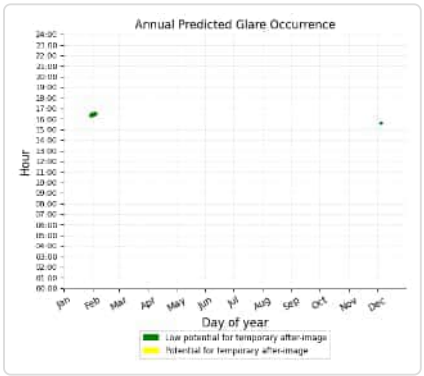


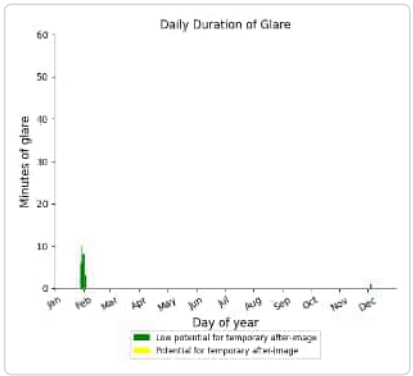


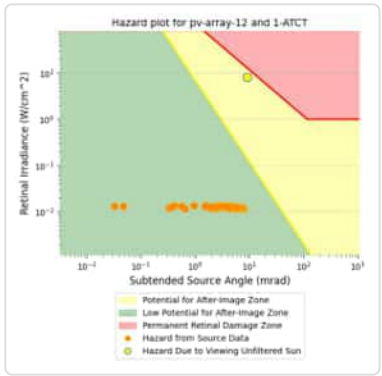
PV array 12: 1-ATCT

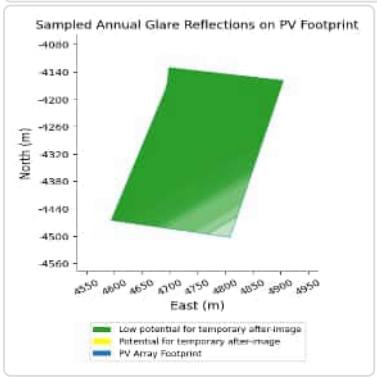
PV array is expected to produce the following glare for this receptor:

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





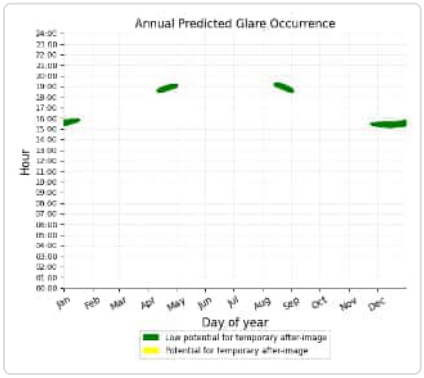


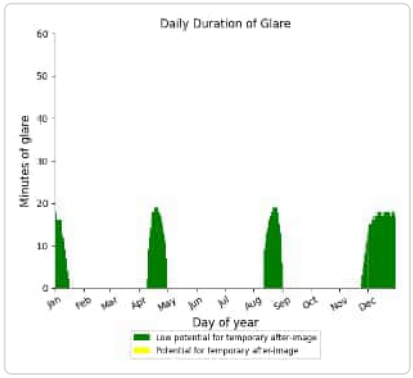


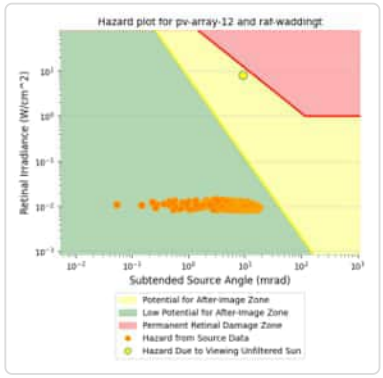
PV array 12: RAF Waddington Circuit Path East

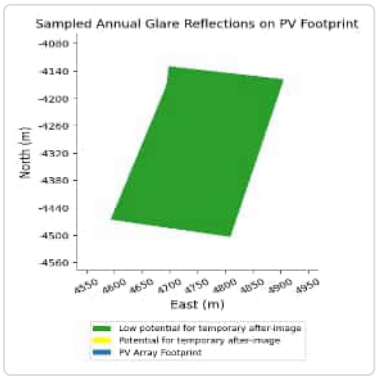
PV array is expected to produce the following glare for this receptor:

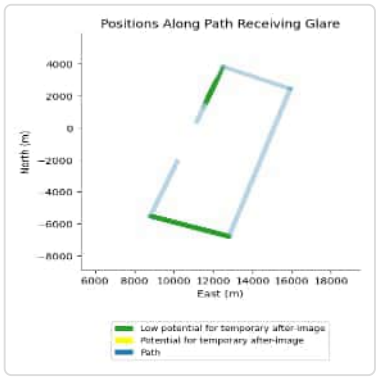
- 1,382 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







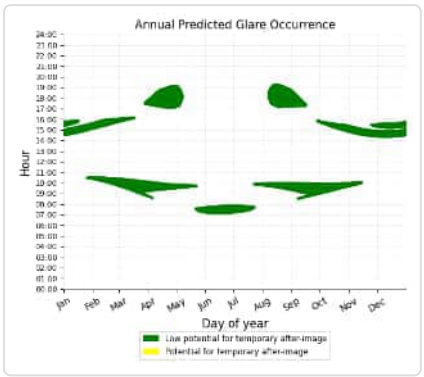


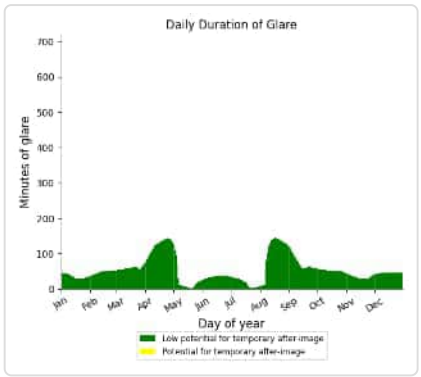


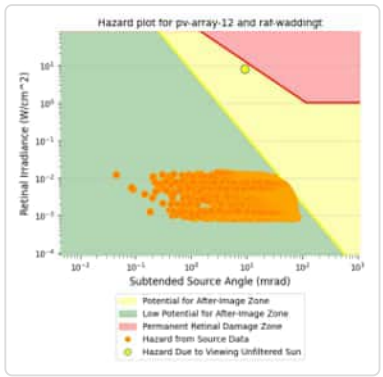
PV array 12: RAF Waddington Circuit Path West

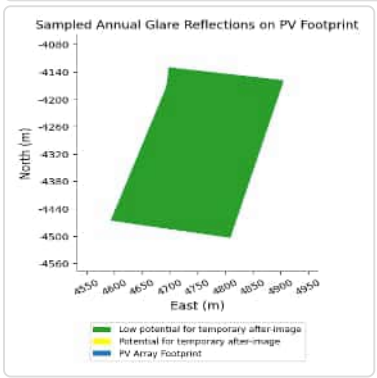
PV array is expected to produce the following glare for this receptor:

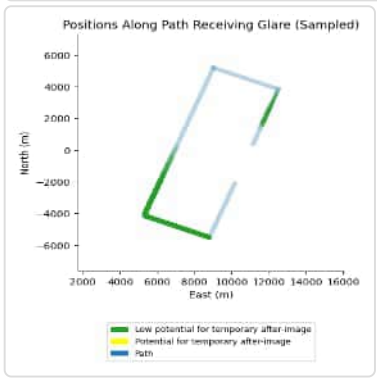
- 19,992 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 13 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0

FP: Blackmoor Farm RWY 24	574	0
FP: Peacocks Farm RWY 06	4999	23
FP: Peacocks Farm RWY 24	1099	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	221	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	783	0
OP: 1-ATCT	90	0
Route: RAF Waddington Circuit Path East	1135	0
Route: RAF Waddington Circuit Path West	2386	0

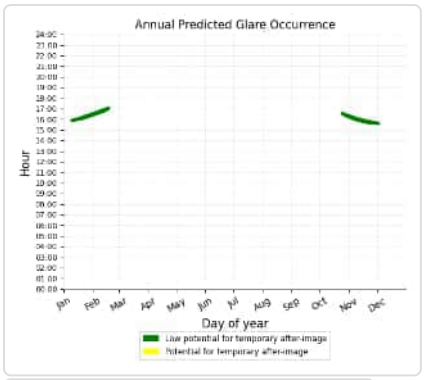
PV array 13: Blackmoor Farm RWY 06

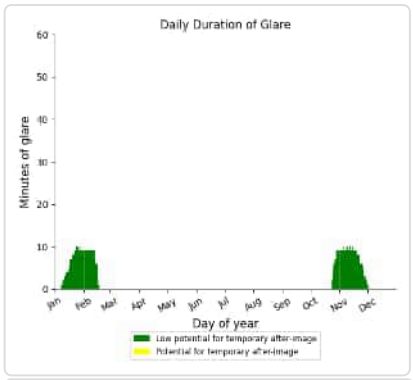
No glare found

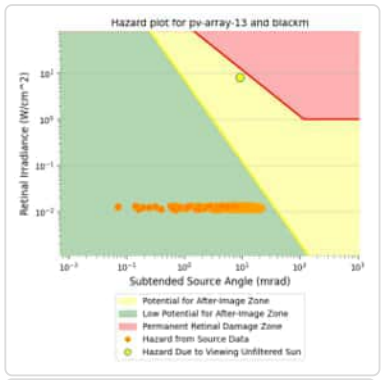
PV array 13: Blackmoor Farm RWY 24

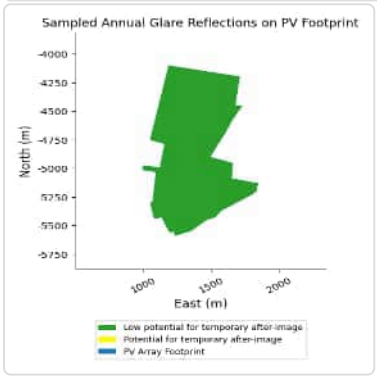
PV array is expected to produce the following glare for this receptor:

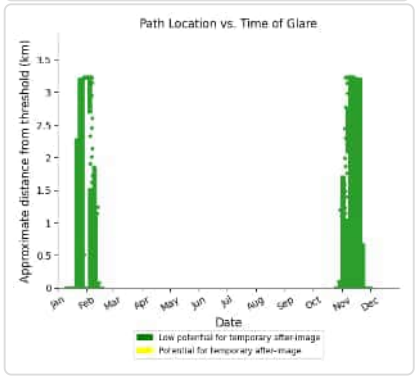
- 574 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

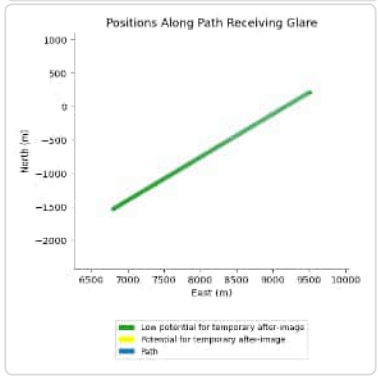








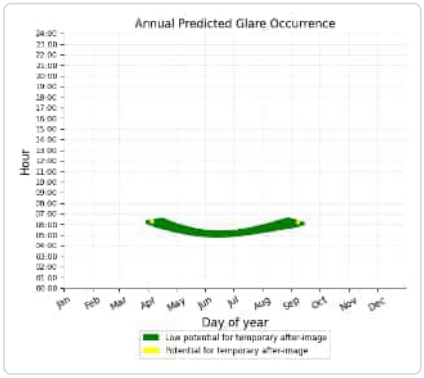


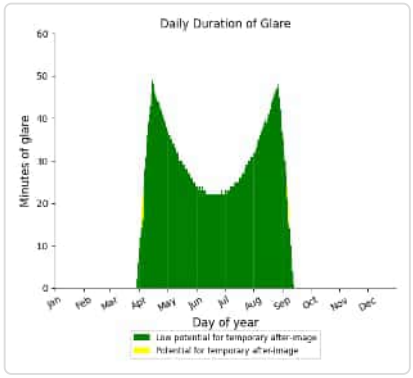


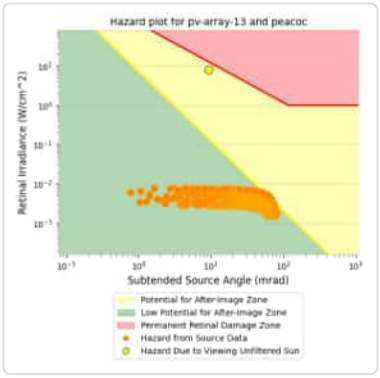
PV array 13: Peacocks Farm RWY 06

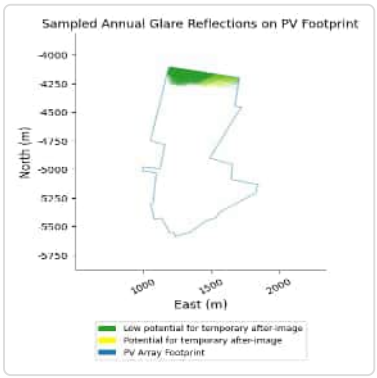
PV array is expected to produce the following glare for this receptor:

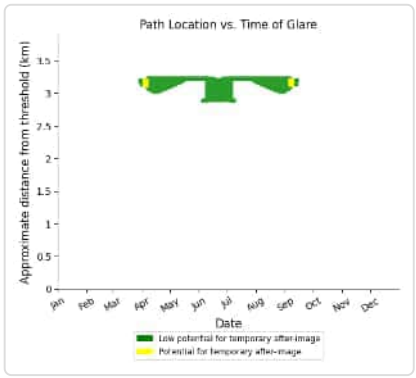
- 4,999 minutes of "green" glare with low potential to cause temporary after-image.
- 23 minutes of "yellow" glare with potential to cause temporary after-image.

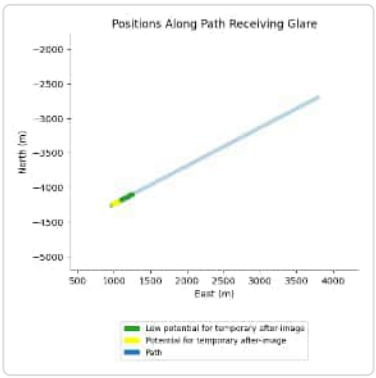








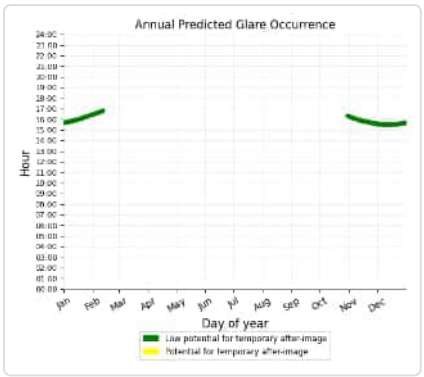


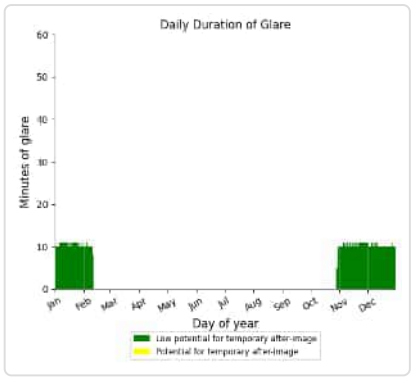


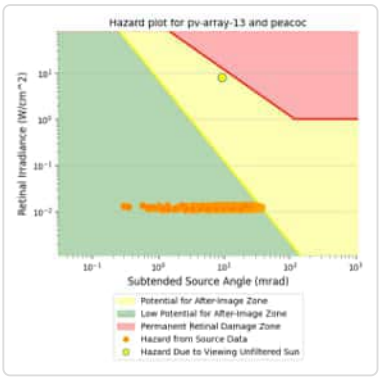
PV array 13: Peacocks Farm RWY 24

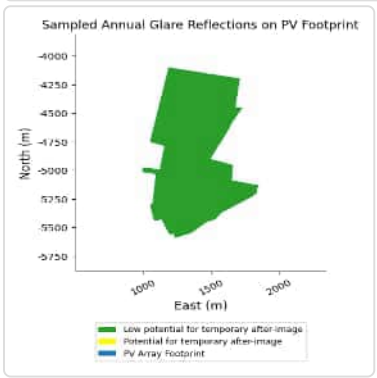
PV array is expected to produce the following glare for this receptor:

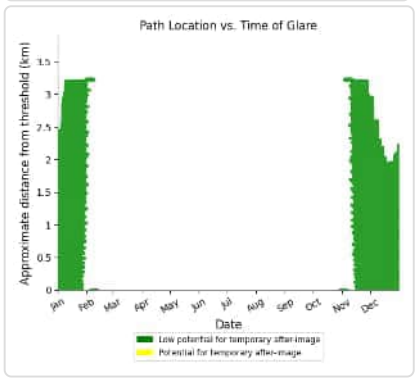
- 1,099 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

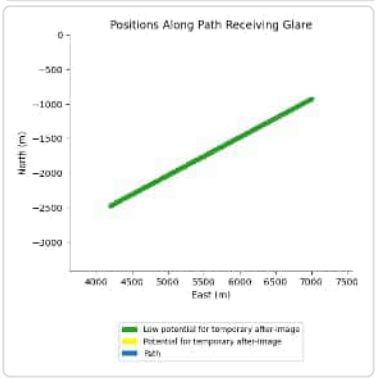












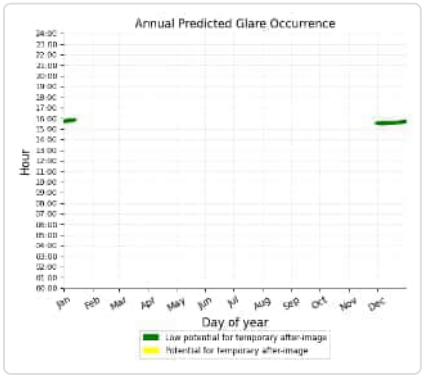
PV array 13: RAF Waddington RWY 02

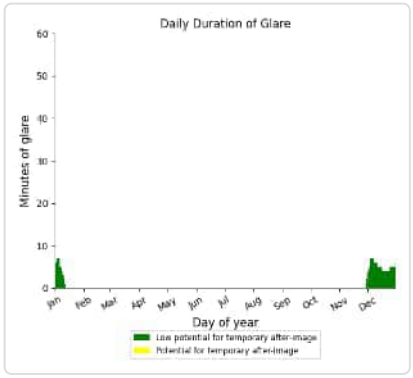
No glare found

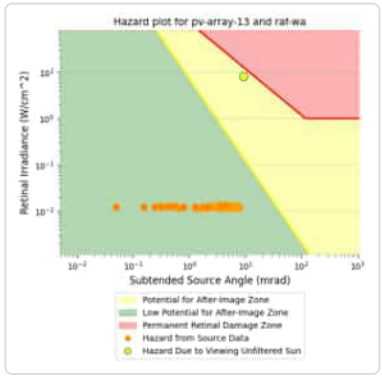
PV array 13: RAF Waddington RWY 20

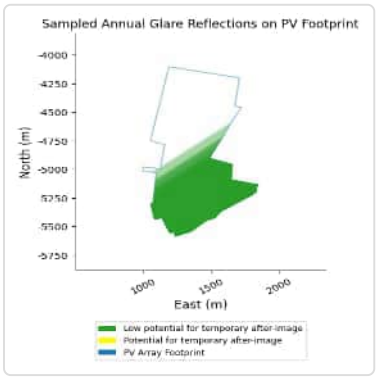
PV array is expected to produce the following glare for this receptor:

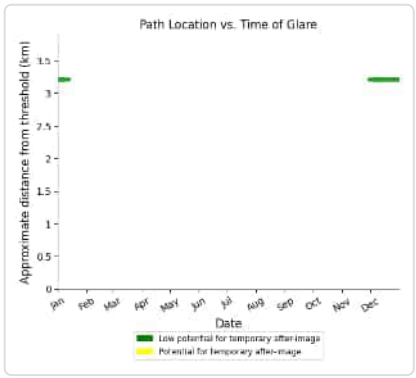
- 221 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

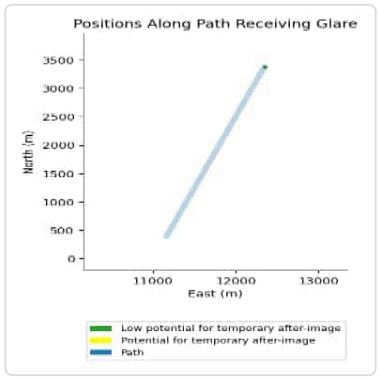












PV array 13: South Hykeham RWY 10

No glare found

PV array 13: South Hykeham RWY 13

No glare found

PV array 13: South Hykeham RWY 28

No glare found

PV array 13: South Hykeham RWY 31

No glare found

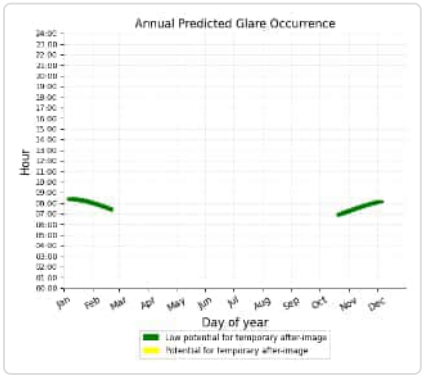
PV array 13: South Scarle RW 28

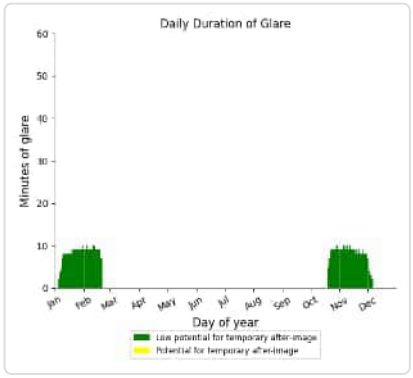
No glare found

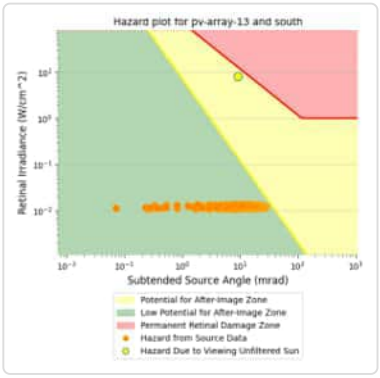
PV array 13: South Scarle RWY 10

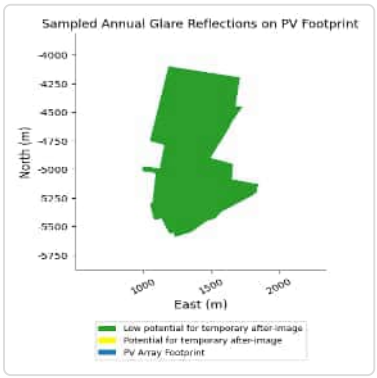
PV array is expected to produce the following glare for this receptor:

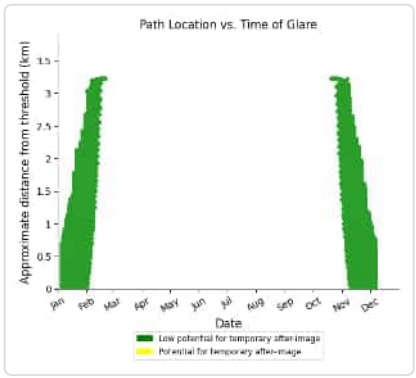
- 783 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

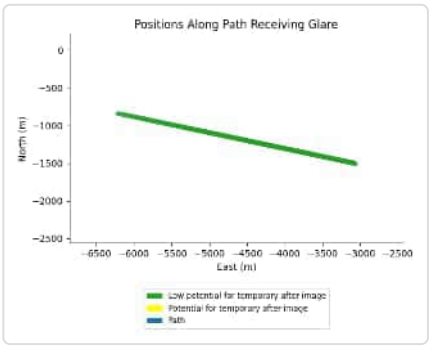








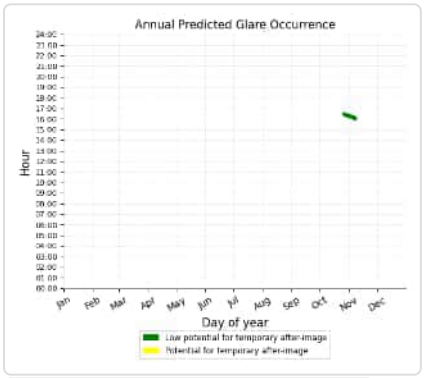


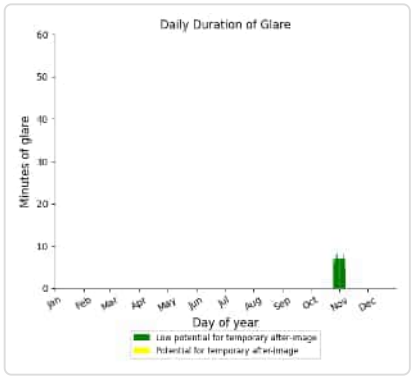


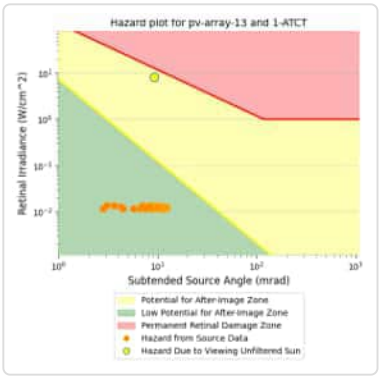
PV array 13: 1-ATCT

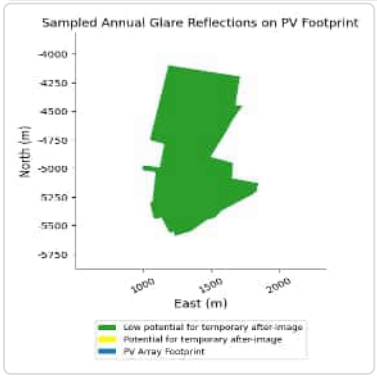
PV array is expected to produce the following glare for this receptor:

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





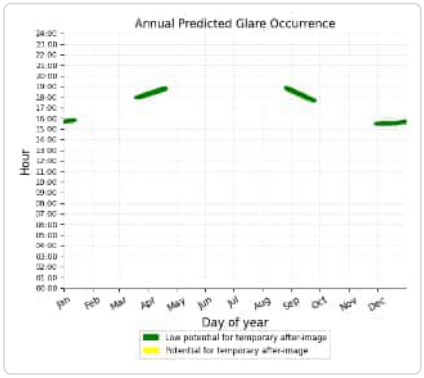


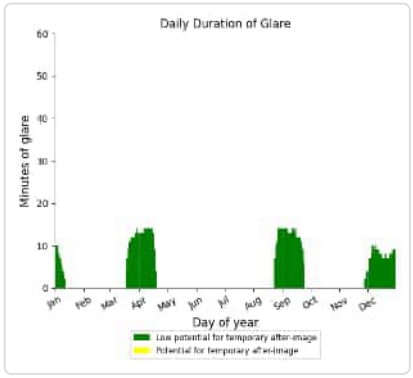


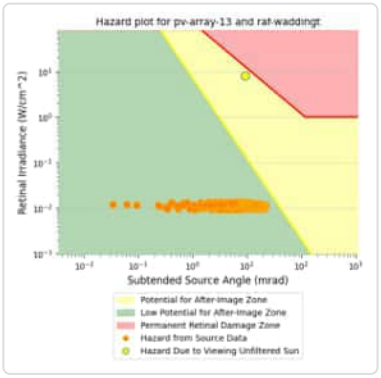
PV array 13: RAF Waddington Circuit Path East

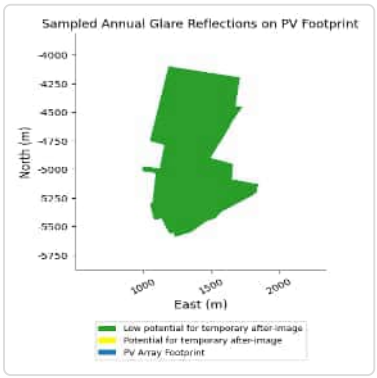
PV array is expected to produce the following glare for this receptor:

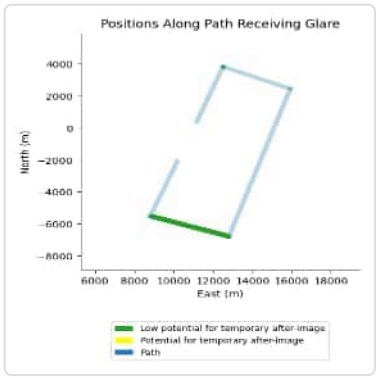
- 1,135 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







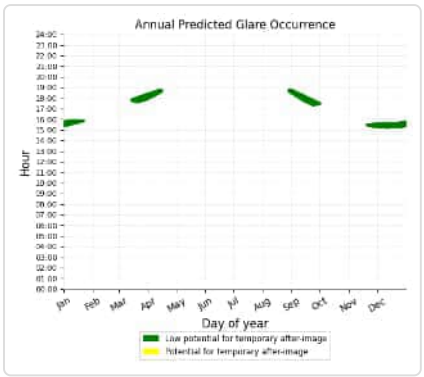


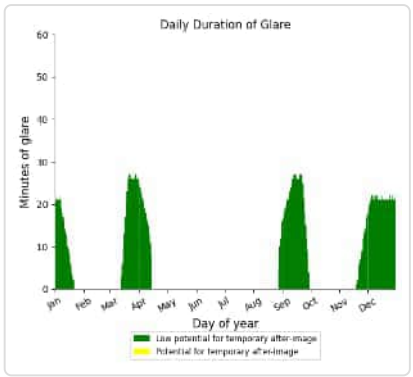


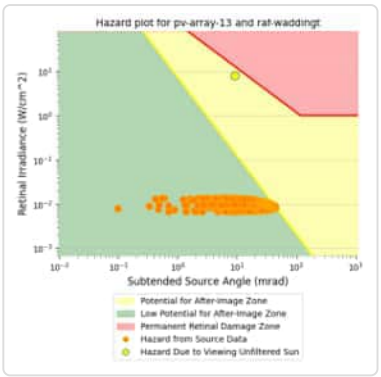
PV array 13: RAF Waddington Circuit Path West

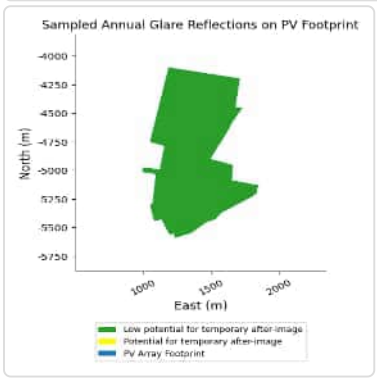
PV array is expected to produce the following glare for this receptor:

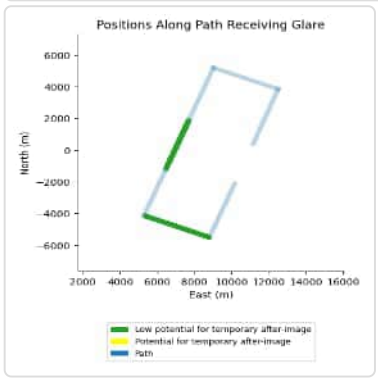
- 2,386 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 14 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0

FP: Blackmoor Farm RWY 24	910	0
FP: Peacocks Farm RWY 06	1161	267
FP: Peacocks Farm RWY 24	2376	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	192	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	909	0
OP: 1-ATCT	199	0
Route: RAF Waddington Circuit Path East	649	0
Route: RAF Waddington Circuit Path West	4805	0

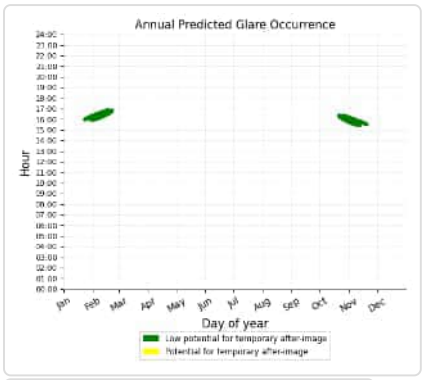
PV array 14: Blackmoor Farm RWY 06

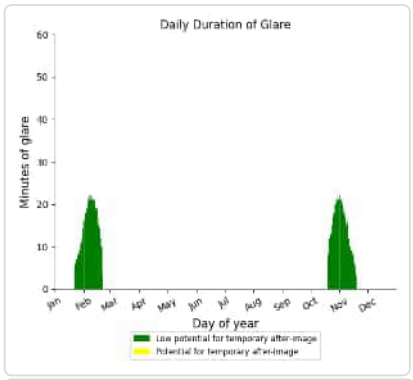
No glare found

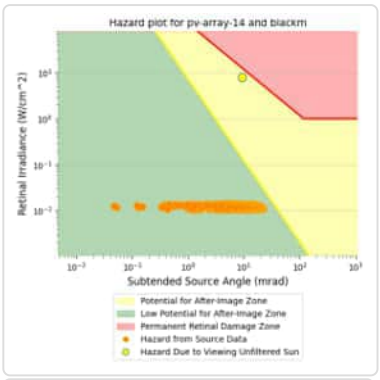
PV array 14: Blackmoor Farm RWY 24

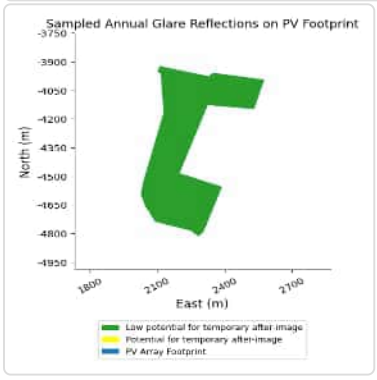
PV array is expected to produce the following glare for this receptor:

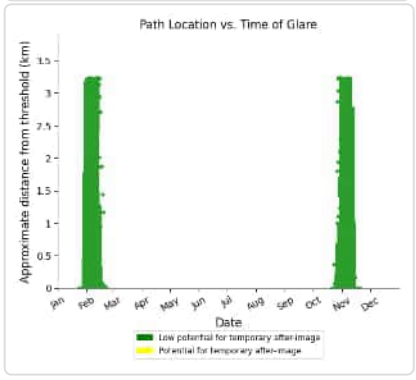
- 910 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

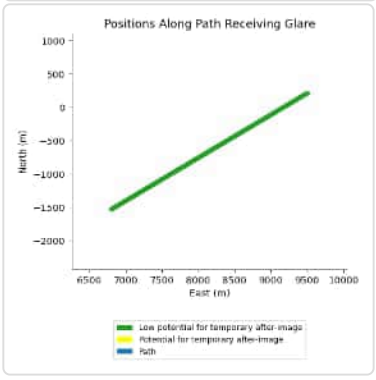








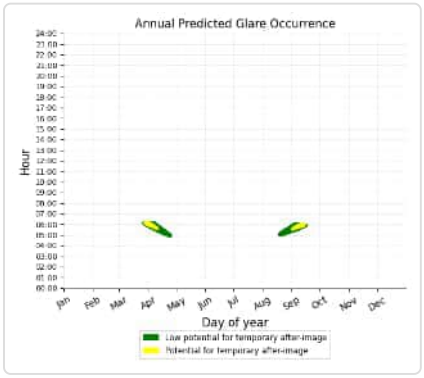


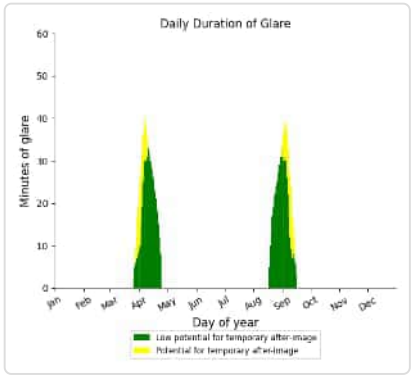


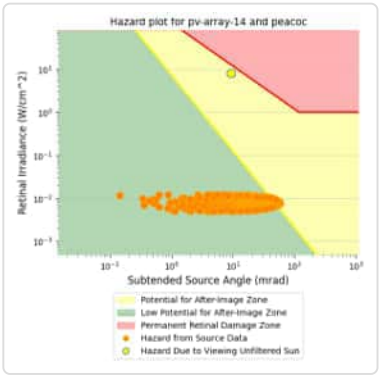
PV array 14: Peacocks Farm RWY 06

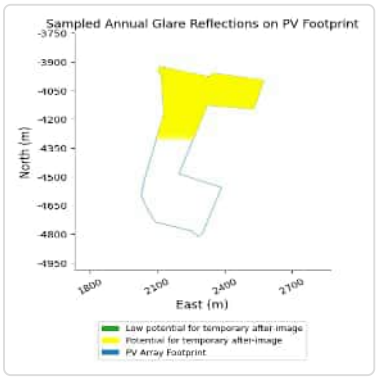
PV array is expected to produce the following glare for this receptor:

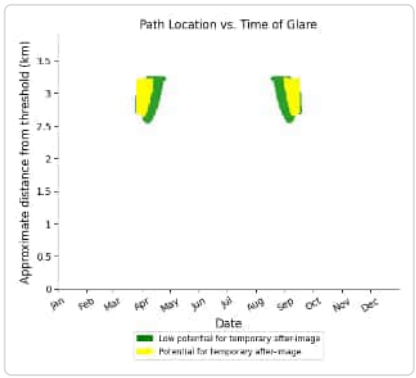
- 1,161 minutes of "green" glare with low potential to cause temporary after-image.
- 267 minutes of "yellow" glare with potential to cause temporary after-image.

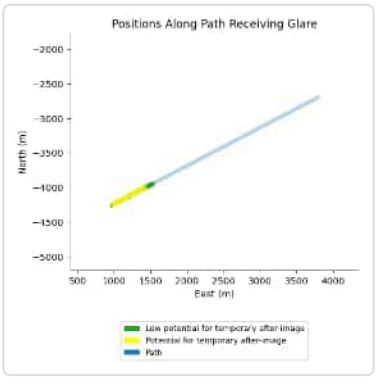








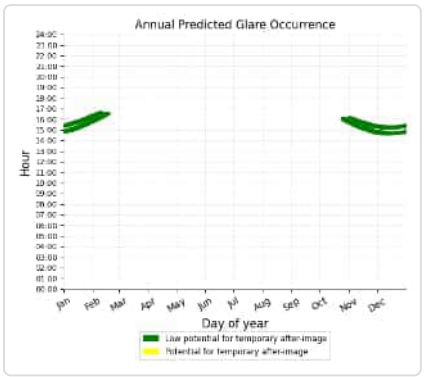


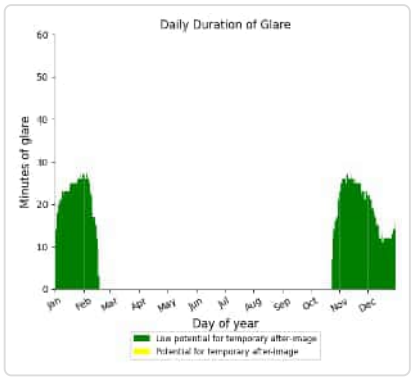


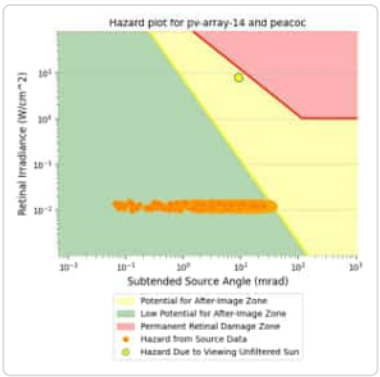
PV array 14: Peacocks Farm RWY 24

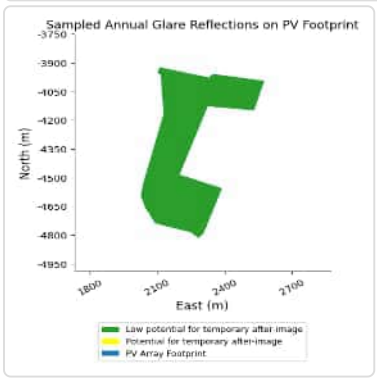
PV array is expected to produce the following glare for this receptor:

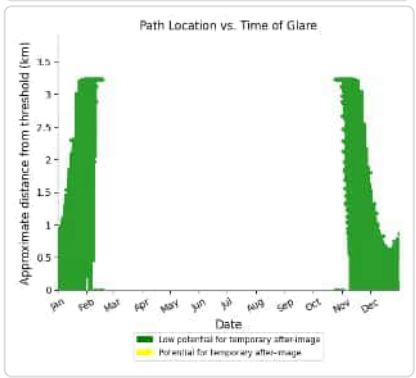
- 2,376 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

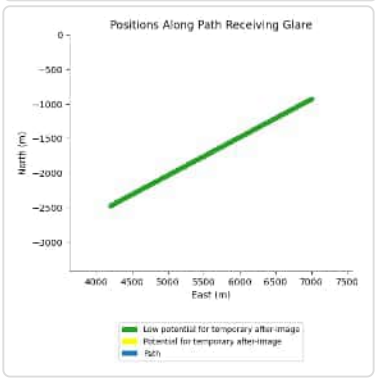












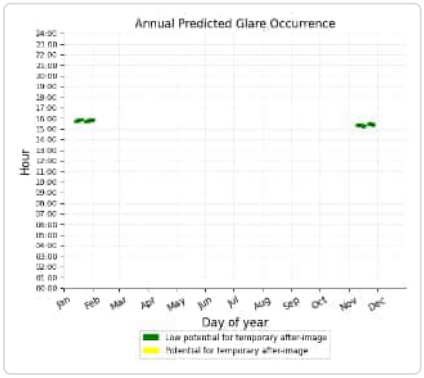
PV array 14: RAF Waddington RWY 02

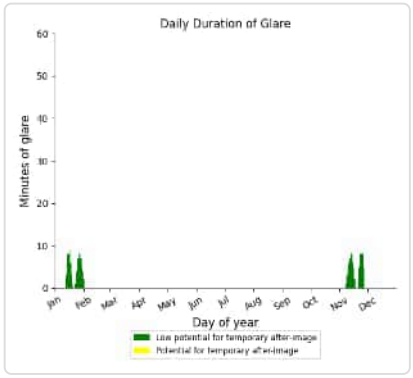
No glare found

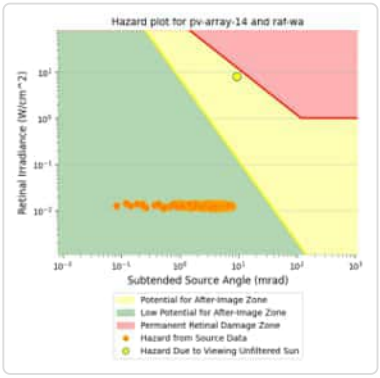
PV array 14: RAF Waddington RWY 20

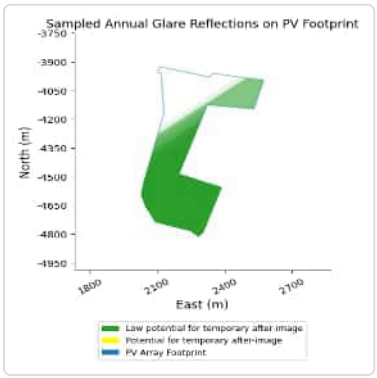
PV array is expected to produce the following glare for this receptor:

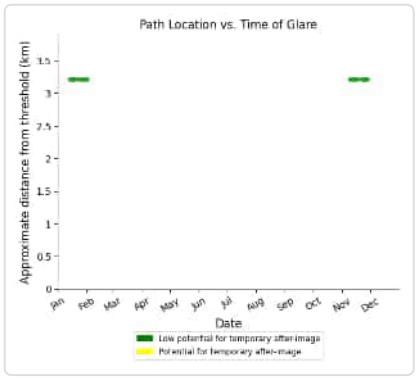
- 192 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

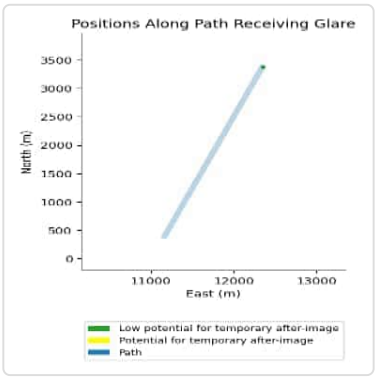












PV array 14: South Hykeham RWY 10

No glare found

PV array 14: South Hykeham RWY 13

No glare found

PV array 14: South Hykeham RWY 28

No glare found

PV array 14: South Hykeham RWY 31

No glare found

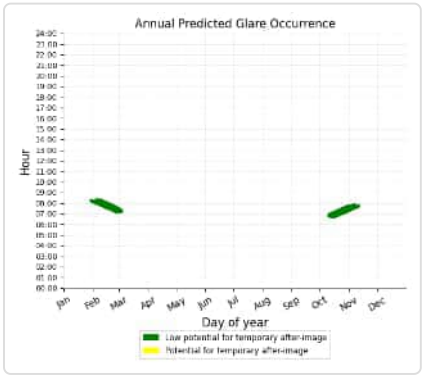
PV array 14: South Scarle RW 28

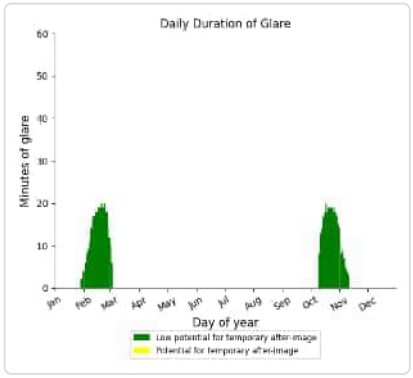
No glare found

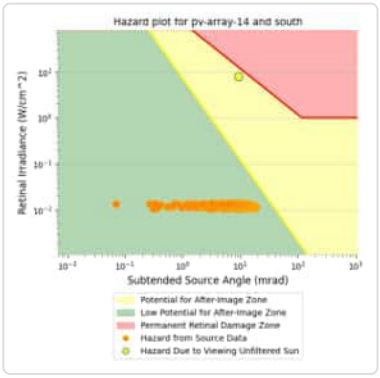
PV array 14: South Scarle RWY 10

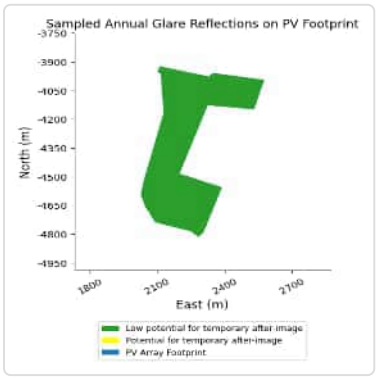
PV array is expected to produce the following glare for this receptor:

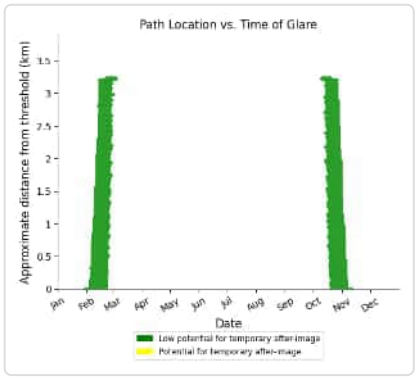
- 909 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

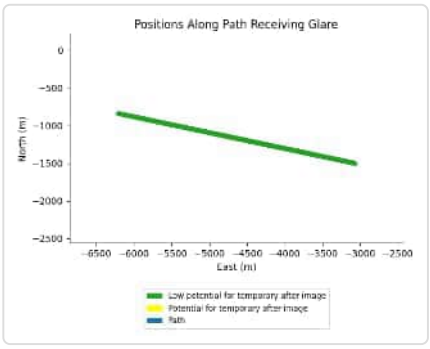








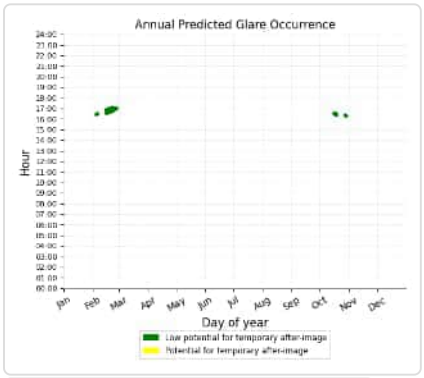


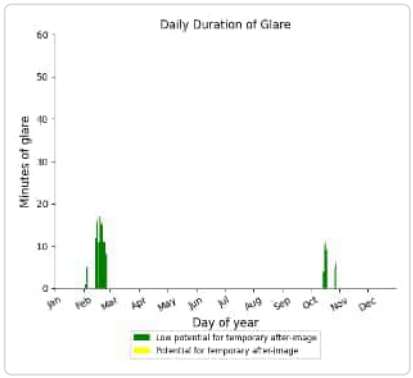


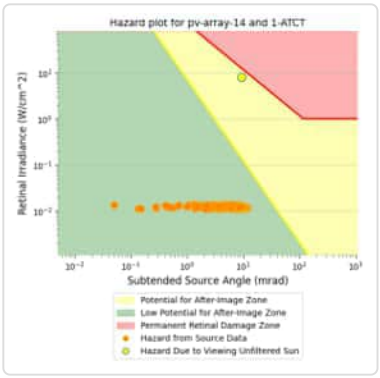
PV array 14: 1-ATCT

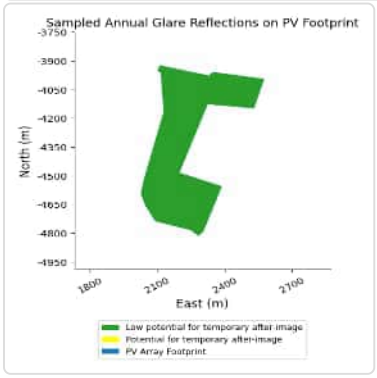
PV array is expected to produce the following glare for this receptor:

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





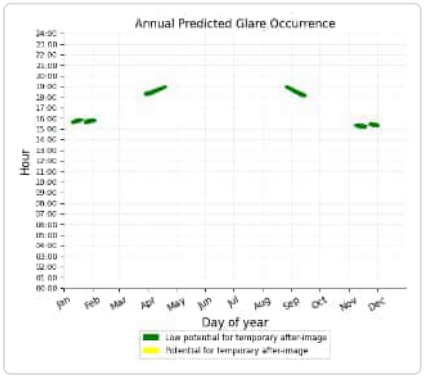


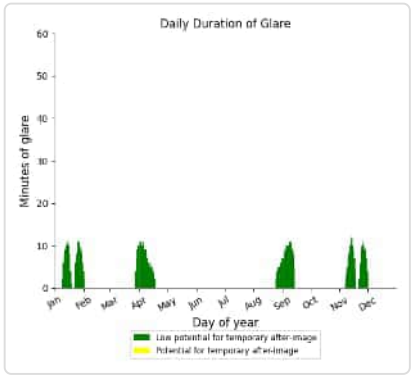


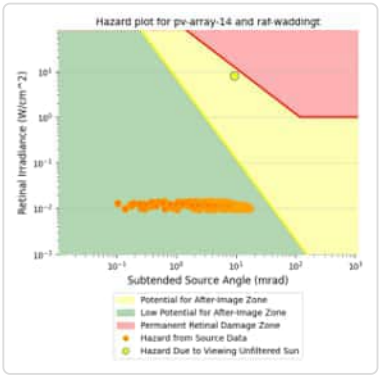
PV array 14: RAF Waddington Circuit Path East

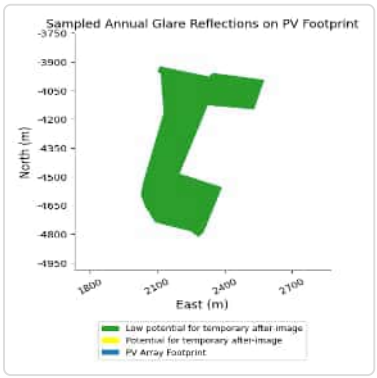
PV array is expected to produce the following glare for this receptor:

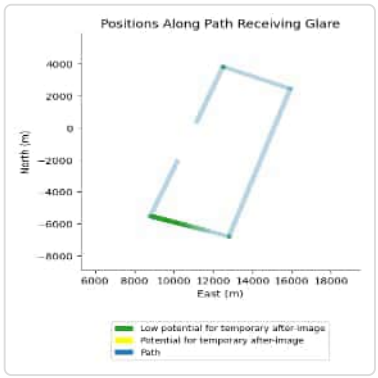
- 649 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







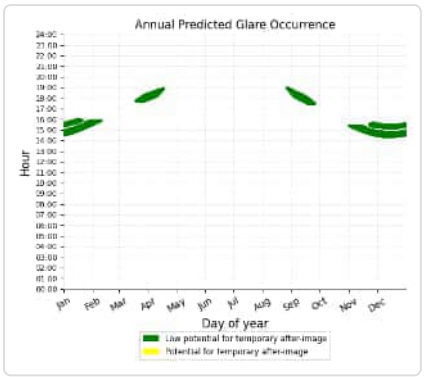


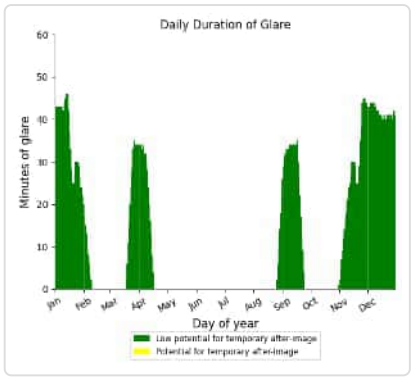


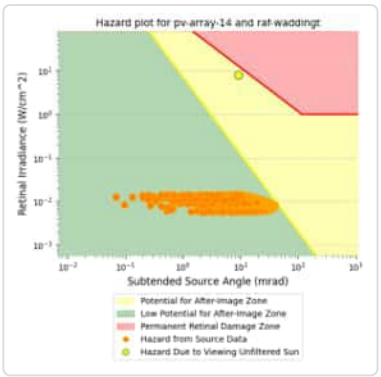
PV array 14: RAF Waddington Circuit Path West

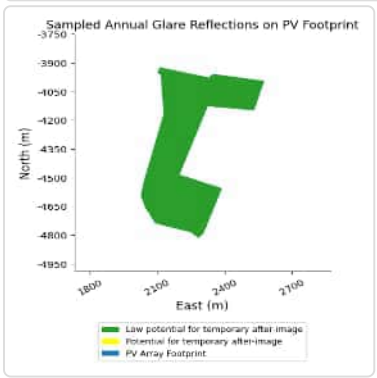
PV array is expected to produce the following glare for this receptor:

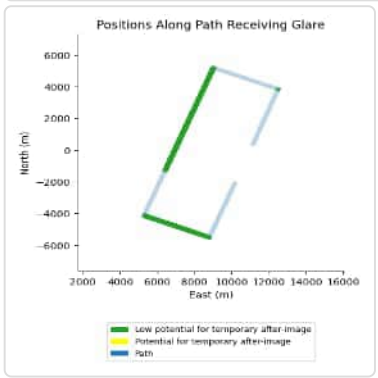
- 4,805 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 15 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0

FP: Blackmoor Farm RWY 24	798	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	2044	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	350	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	801	0
OP: 1-ATCT	74	0
Route: RAF Waddington Circuit Path East	1150	0
Route: RAF Waddington Circuit Path West	3823	0

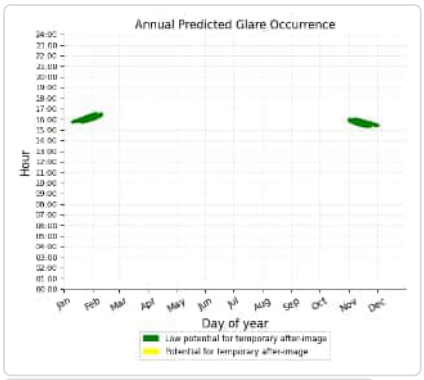
PV array 15: Blackmoor Farm RWY 06

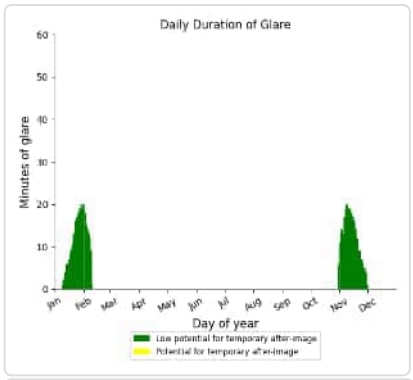
No glare found

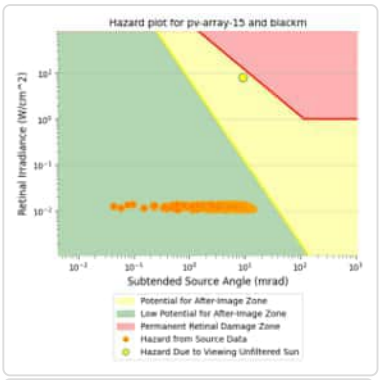
PV array 15: Blackmoor Farm RWY 24

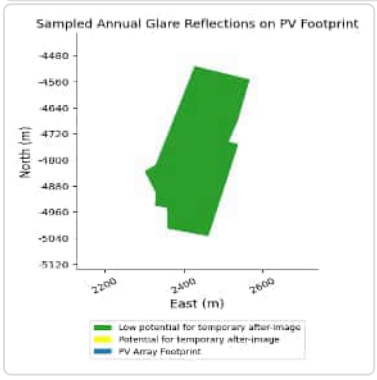
PV array is expected to produce the following glare for this receptor:

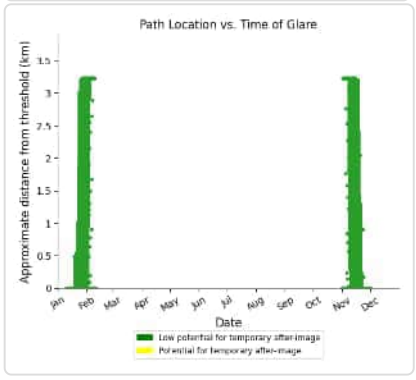
- 798 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

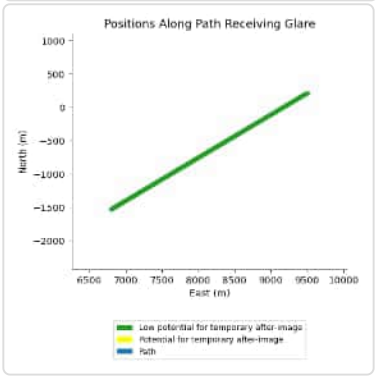












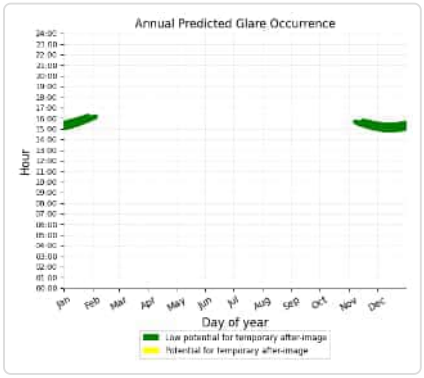
PV array 15: Peacocks Farm RWY 06

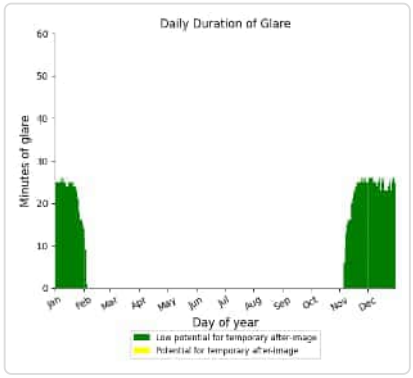
No glare found

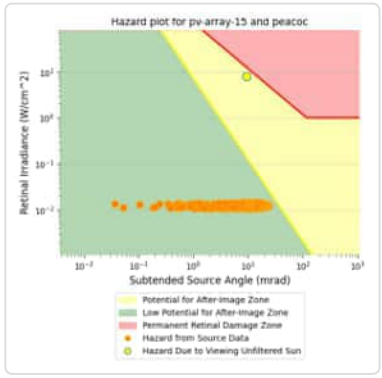
PV array 15: Peacocks Farm RWY 24

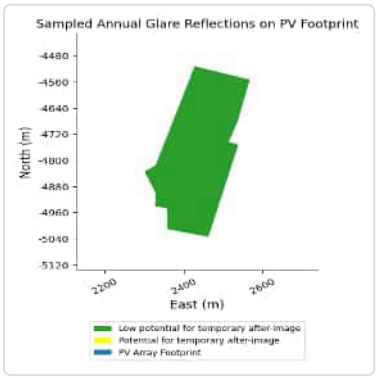
PV array is expected to produce the following glare for this receptor:

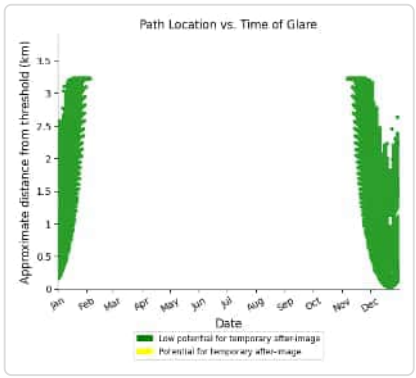
- 2,044 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

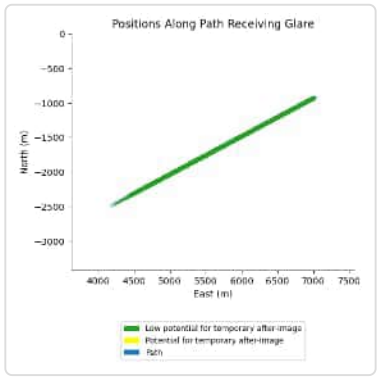












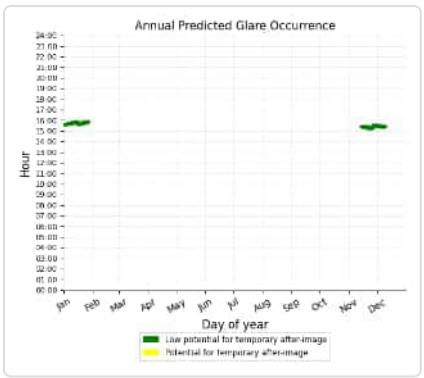
PV array 15: RAF Waddington RWY 02

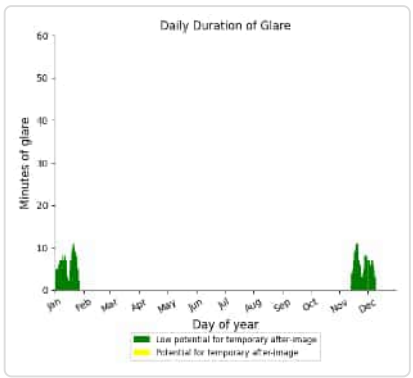
No glare found

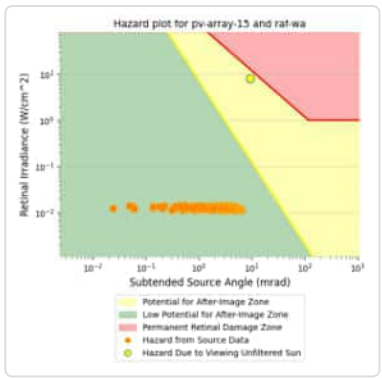
PV array 15: RAF Waddington RWY 20

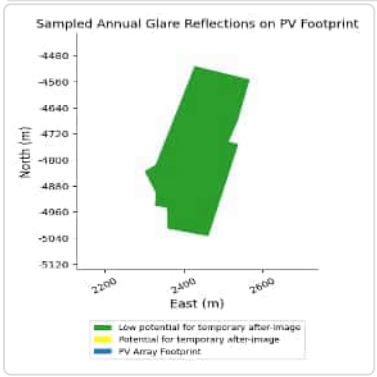
PV array is expected to produce the following glare for this receptor:

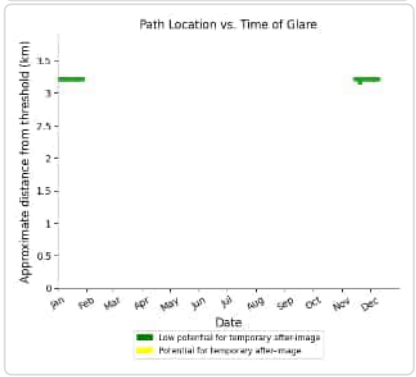
- 350 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

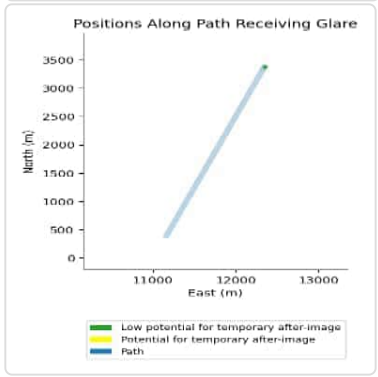












PV array 15: South Hykeham RWY 10

No glare found

PV array 15: South Hykeham RWY 13

No glare found

PV array 15: South Hykeham RWY 28

No glare found

PV array 15: South Hykeham RWY 31

No glare found

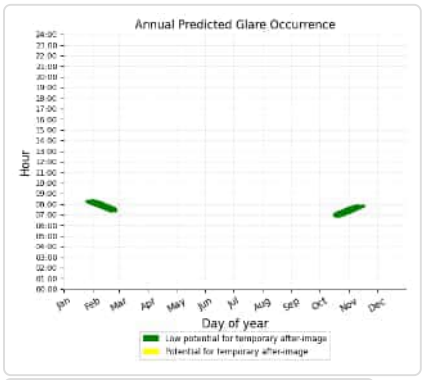
PV array 15: South Scarle RW 28

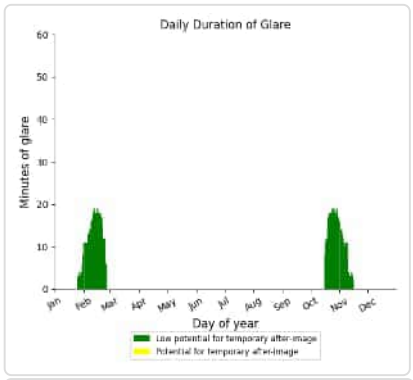
No glare found

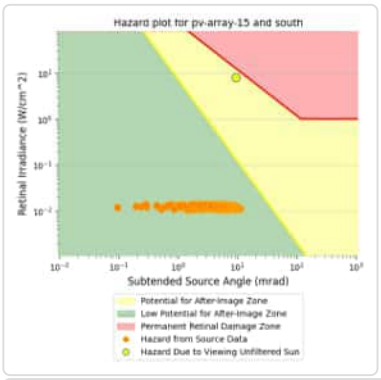
PV array 15: South Scarle RWY 10

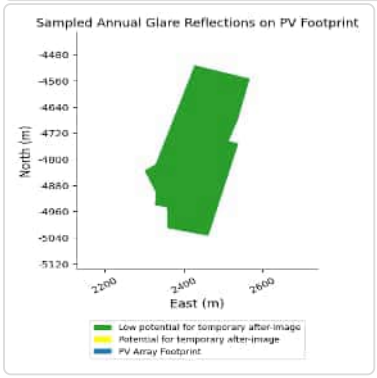
PV array is expected to produce the following glare for this receptor:

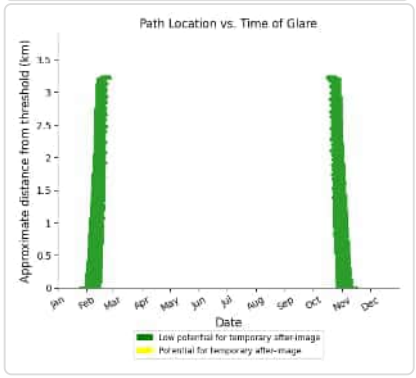
- 801 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

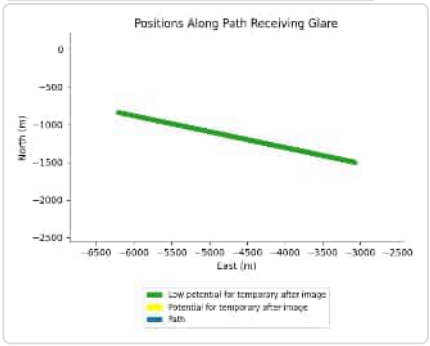








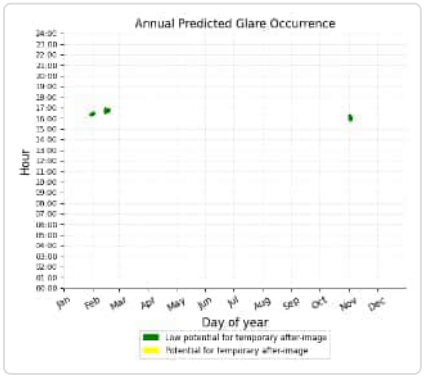


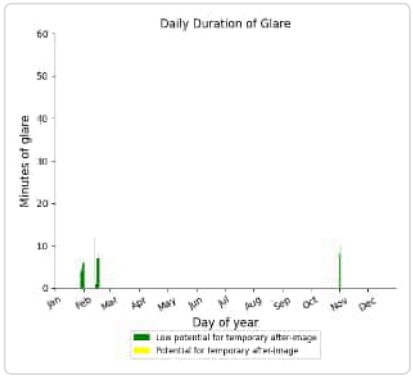


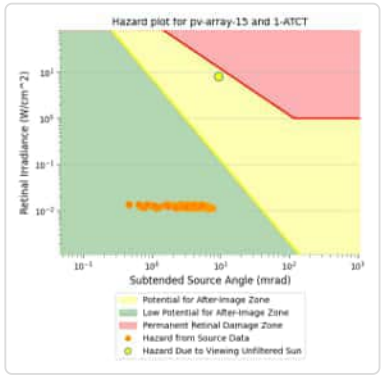
PV array 15: 1-ATCT

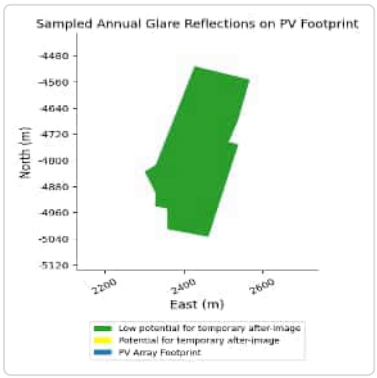
PV array is expected to produce the following glare for this receptor:

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





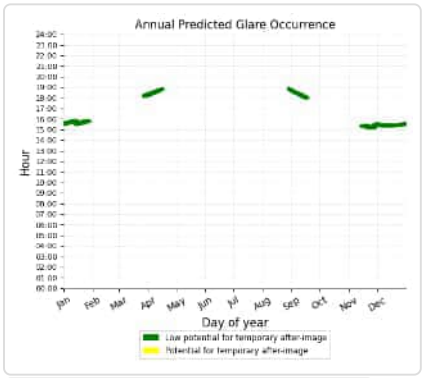


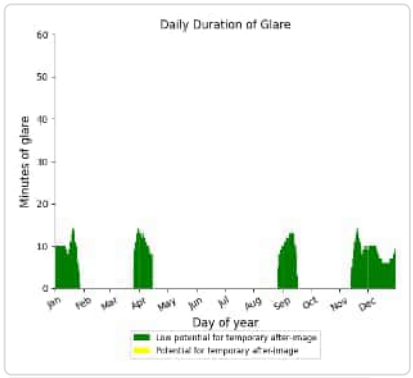


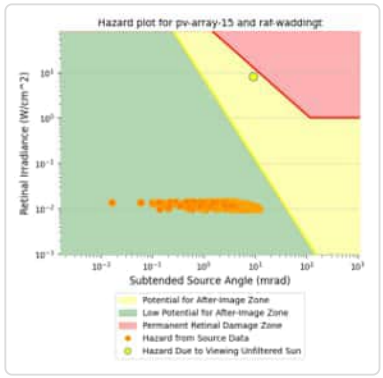
PV array 15: RAF Waddington Circuit Path East

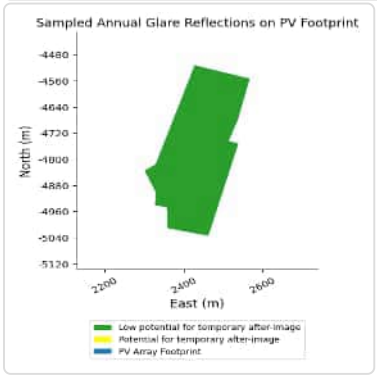
PV array is expected to produce the following glare for this receptor:

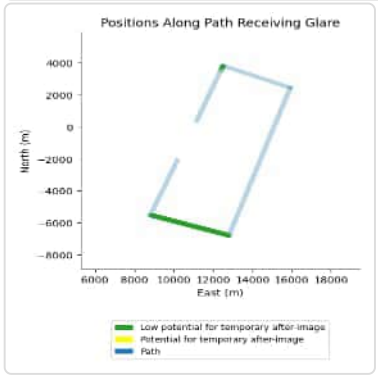
- 1,150 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







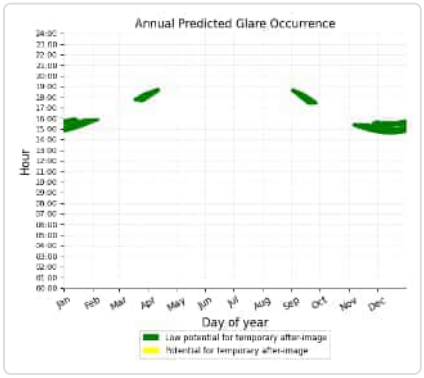


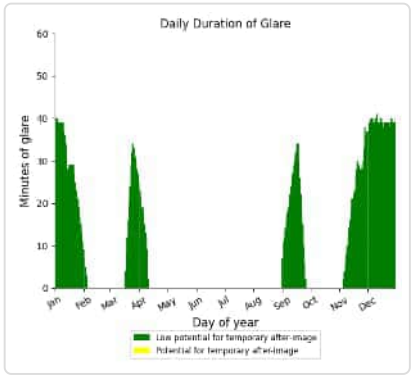


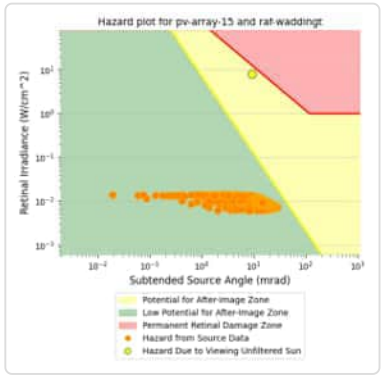
PV array 15: RAF Waddington Circuit Path West

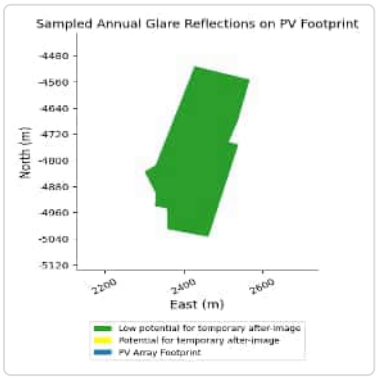
PV array is expected to produce the following glare for this receptor:

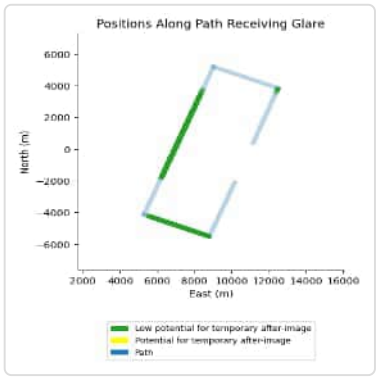
- 3,823 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 2 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	59	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	0	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	539	0
FP: South Hykeham RWY 31	621	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	356	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	1454	0
Route: RAF Waddington Circuit Path West	1091	0

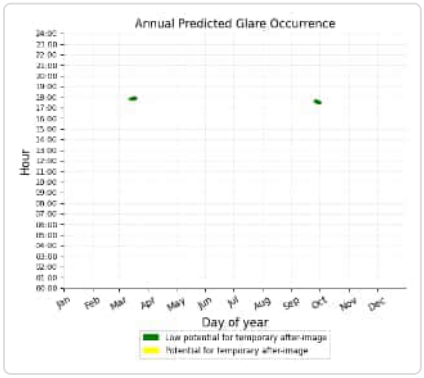
PV array 2: Blackmoor Farm RWY 06

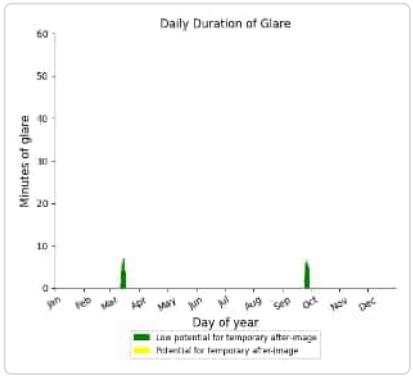
No glare found

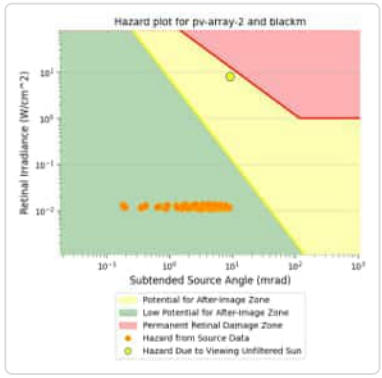
PV array 2: Blackmoor Farm RWY 24

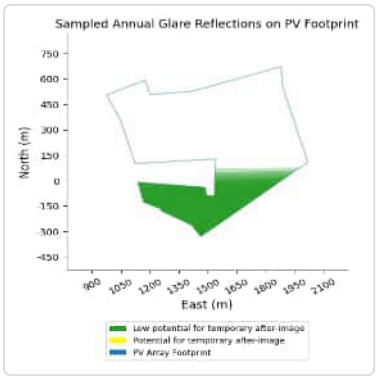
PV array is expected to produce the following glare for this receptor:

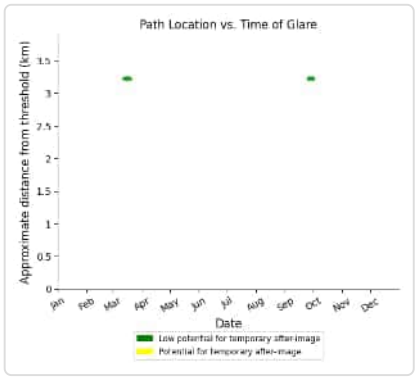
- 59 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

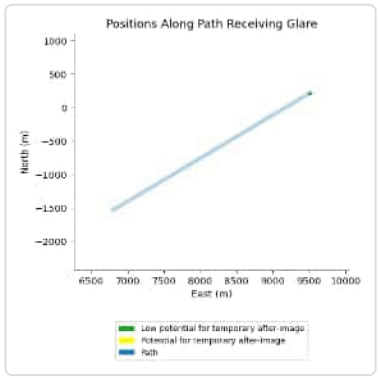












PV array 2: Peacocks Farm RWY 06

No glare found

PV array 2: Peacocks Farm RWY 24

No glare found

PV array 2: RAF Waddington RWY 02

No glare found

PV array 2: RAF Waddington RWY 20

No glare found

PV array 2: South Hykeham RWY 10

No glare found

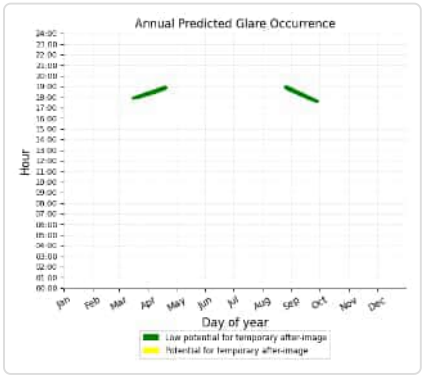
PV array 2: South Hykeham RWY 13

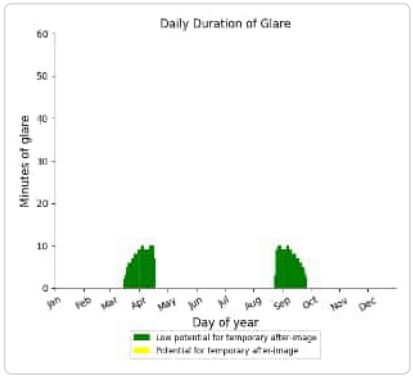
No glare found

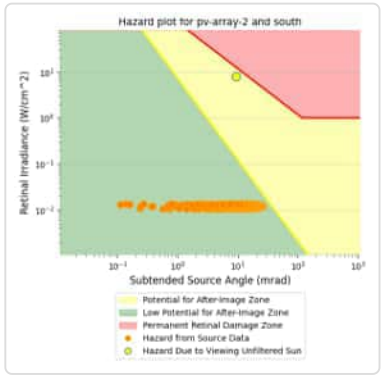
PV array 2: South Hykeham RWY 28

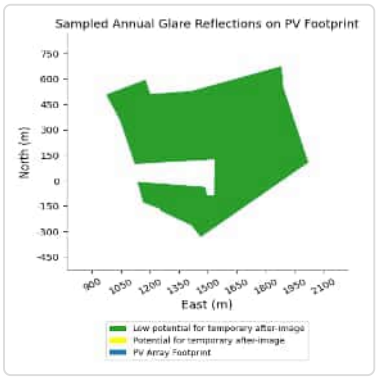
PV array is expected to produce the following glare for this receptor:

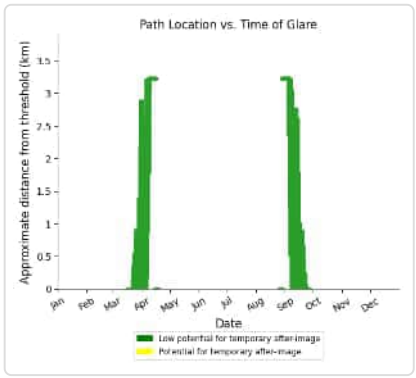
- 539 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

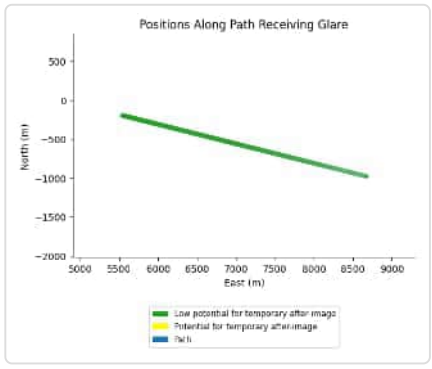








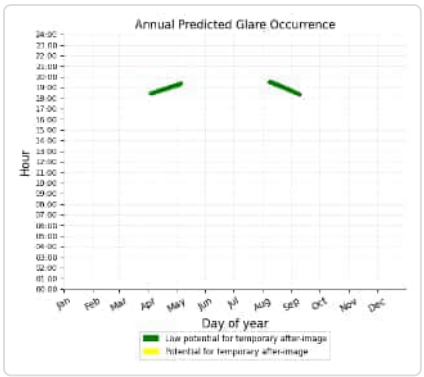


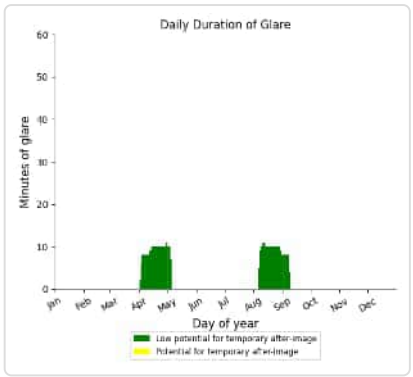


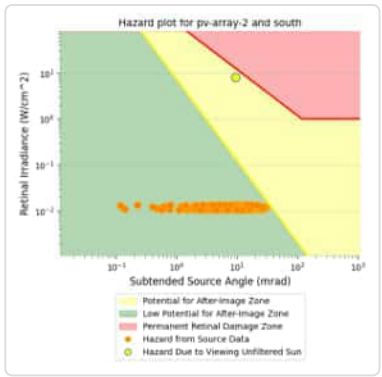
PV array 2: South Hykeham RWY 31

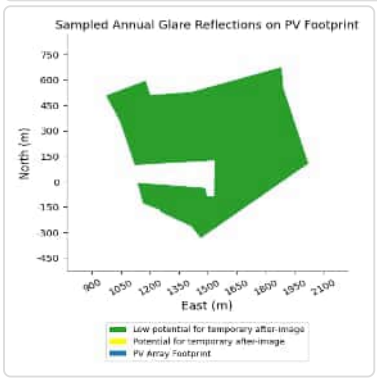
PV array is expected to produce the following glare for this receptor:

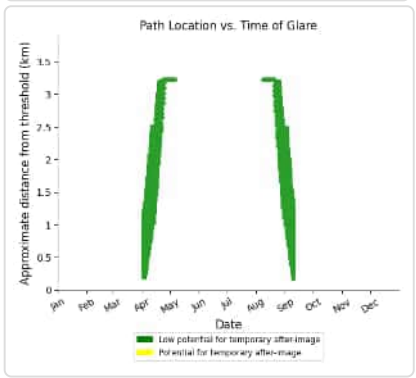
- 621 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

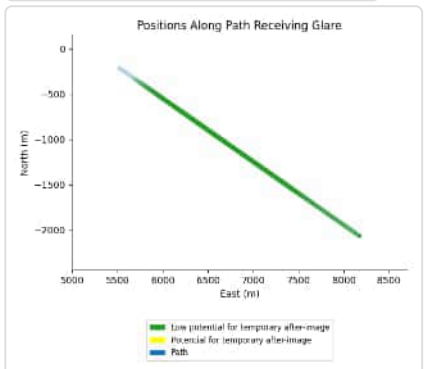












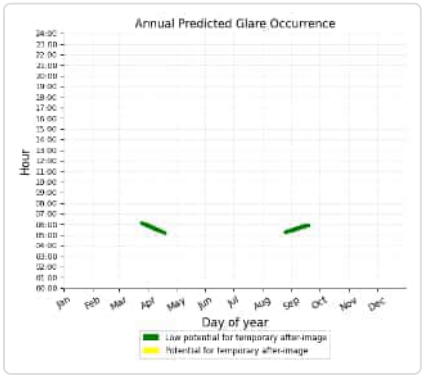
PV array 2: South Scarle RW 28

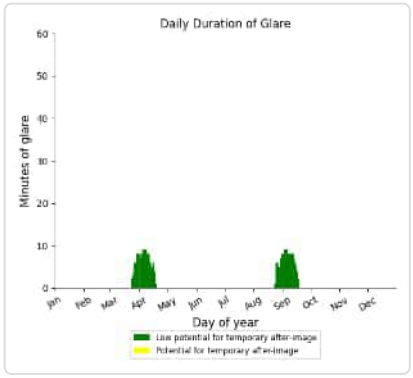
No glare found

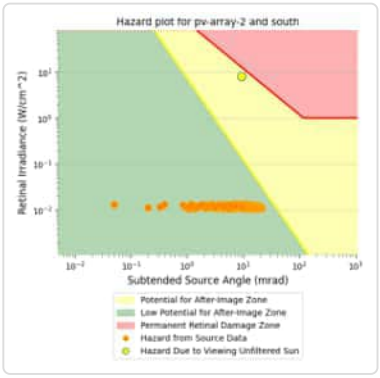
PV array 2: South Scarle RWY 10

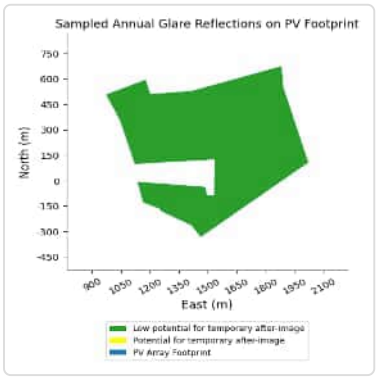
PV array is expected to produce the following glare for this receptor:

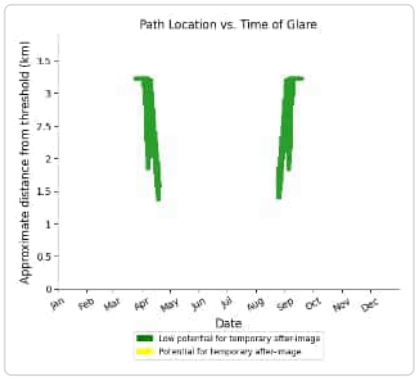
- 356 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

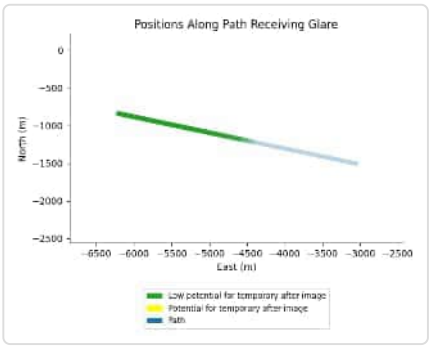












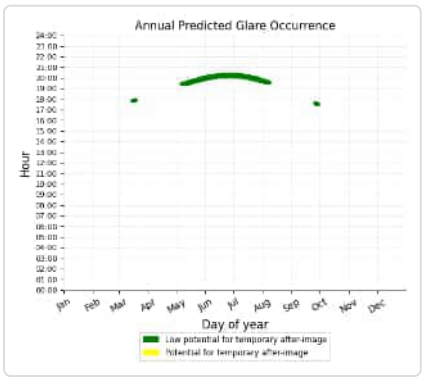
PV array 2: 1-ATCT

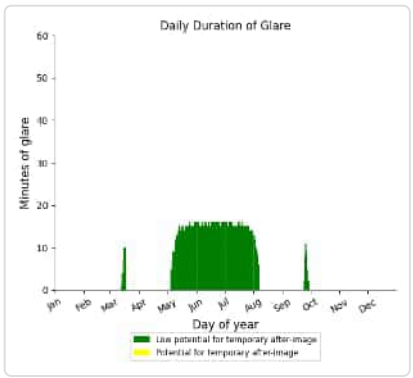
No glare found

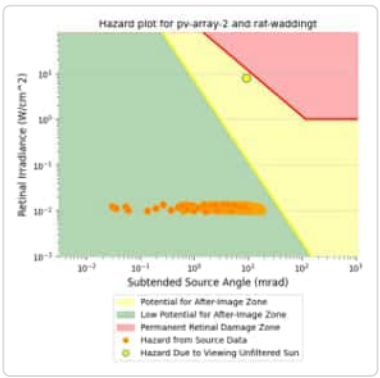
PV array 2: RAF Waddington Circuit Path East

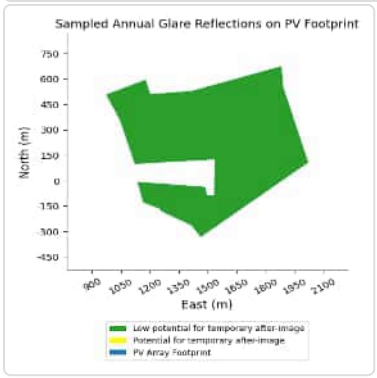
PV array is expected to produce the following glare for this receptor:

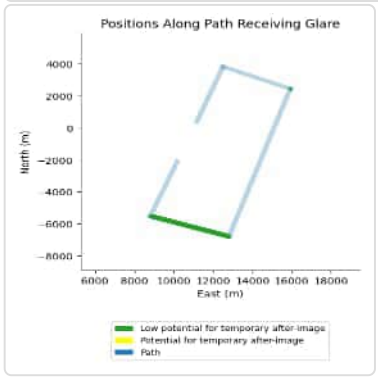
- 1,454 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







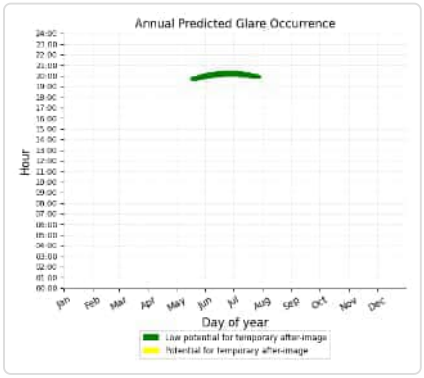


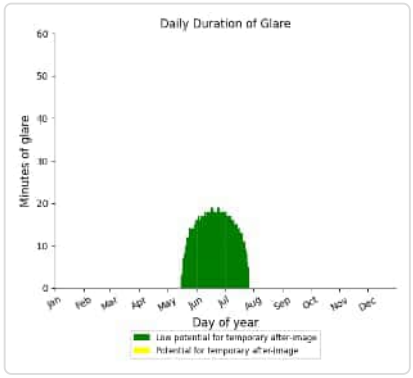


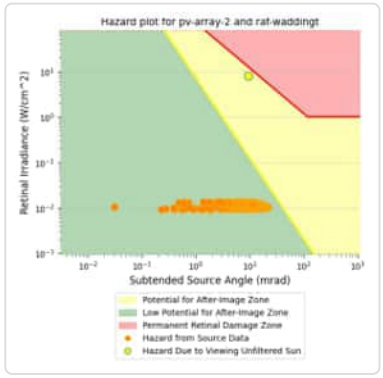
PV array 2: RAF Waddington Circuit Path West

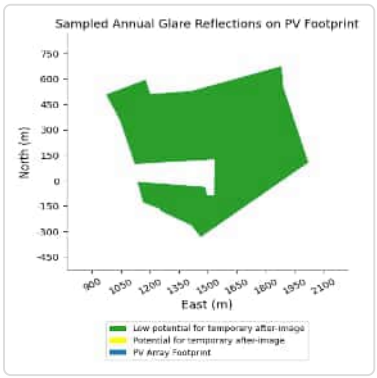
PV array is expected to produce the following glare for this receptor:

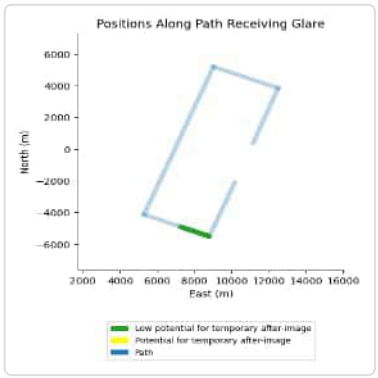
- 1,091 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 3 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	181	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	245	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	421	0
FP: South Hykeham RWY 31	290	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	617	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	1962	0
Route: RAF Waddington Circuit Path West	3196	0

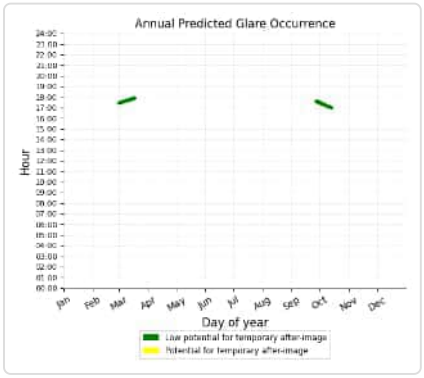
PV array 3: Blackmoor Farm RWY 06

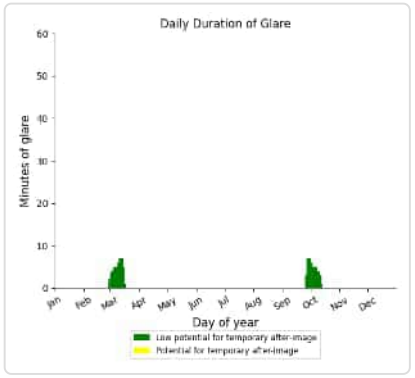
No glare found

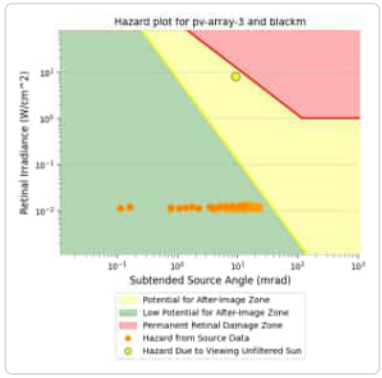
PV array 3: Blackmoor Farm RWY 24

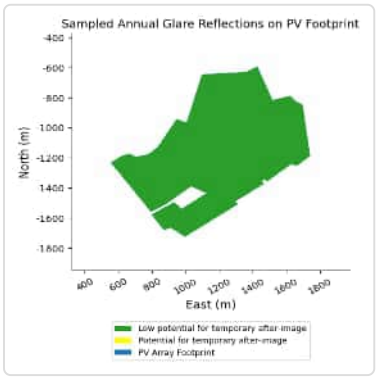
PV array is expected to produce the following glare for this receptor:

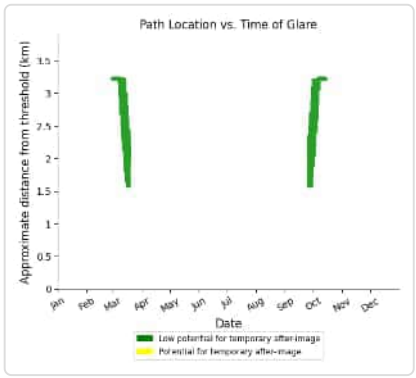
- 181 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

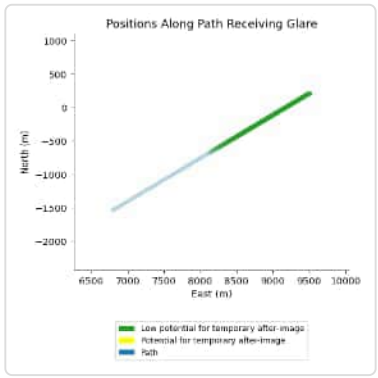












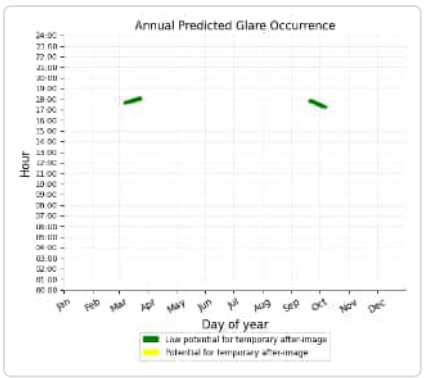
PV array 3: Peacocks Farm RWY 06

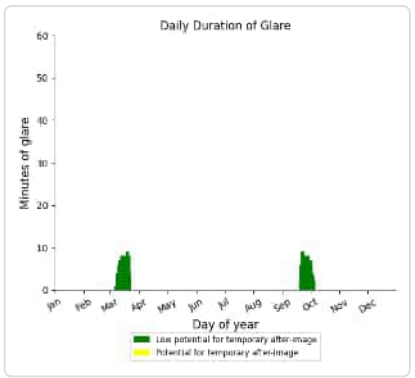
No glare found

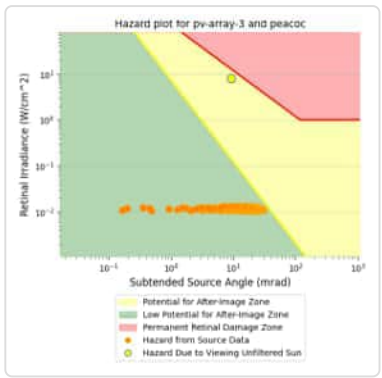
PV array 3: Peacocks Farm RWY 24

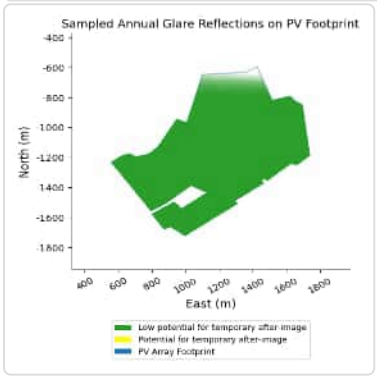
PV array is expected to produce the following glare for this receptor:

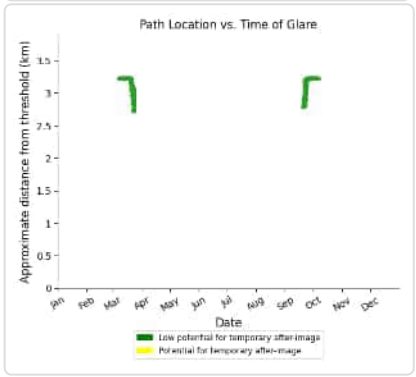
- 245 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

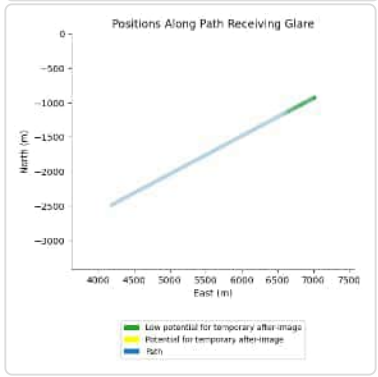












PV array 3: RAF Waddington RWY 02

No glare found

PV array 3: RAF Waddington RWY 20

No glare found

PV array 3: South Hykeham RWY 10

No glare found

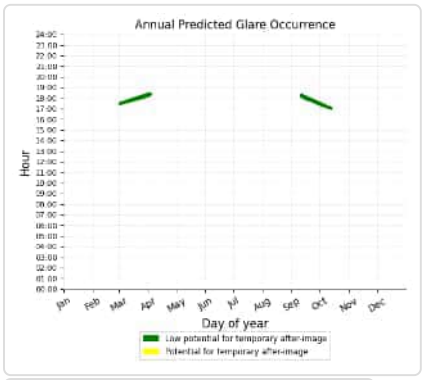
PV array 3: South Hykeham RWY 13

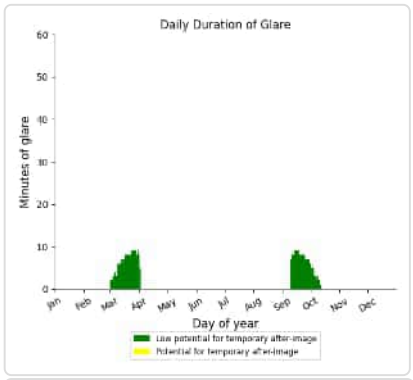
No glare found

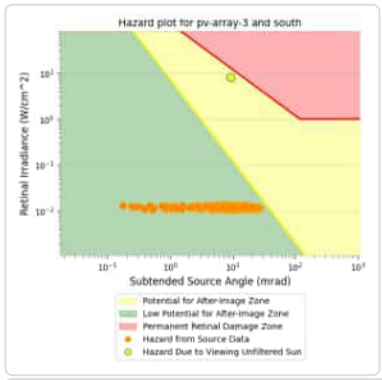
PV array 3: South Hykeham RWY 28

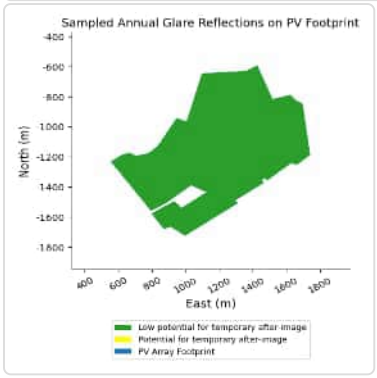
PV array is expected to produce the following glare for this receptor:

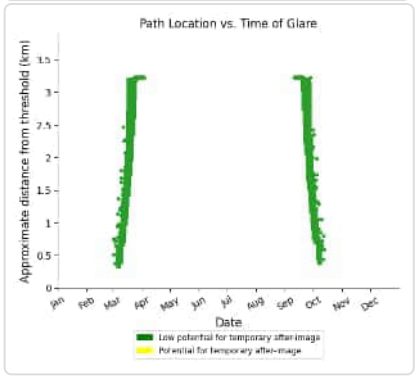
- 421 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

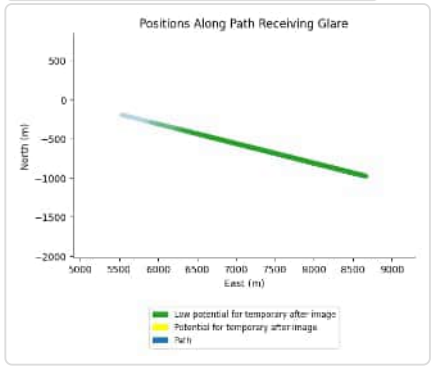








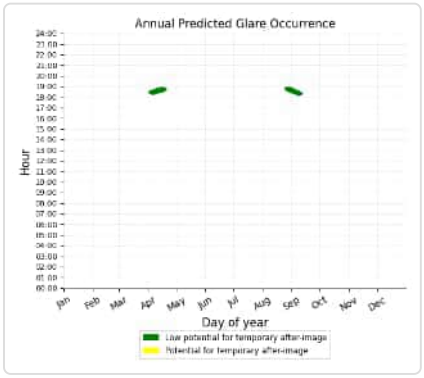


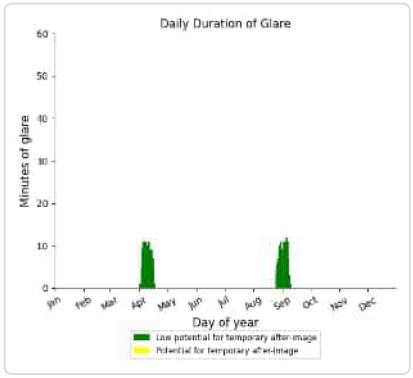


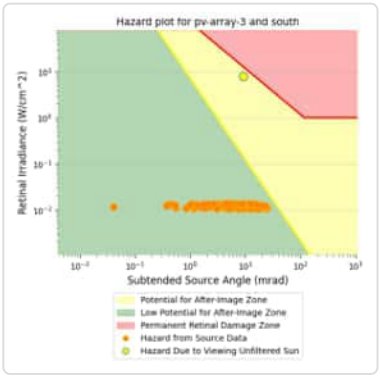
PV array 3: South Hykeham RWY 31

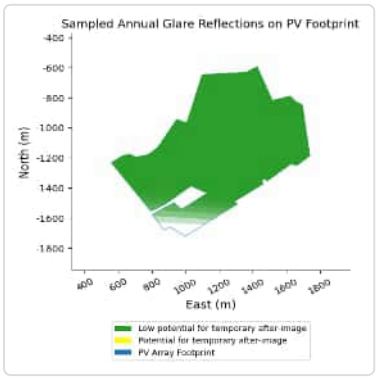
PV array is expected to produce the following glare for this receptor:

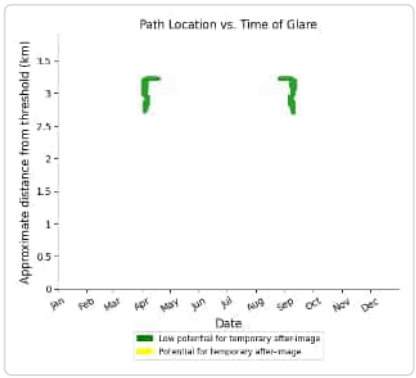
- 290 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

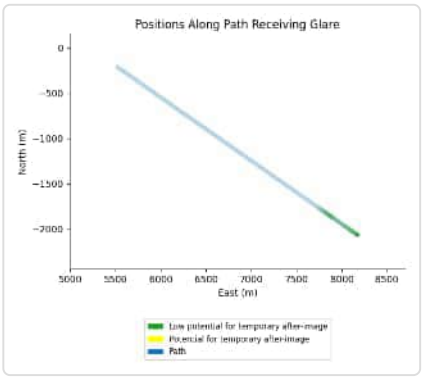












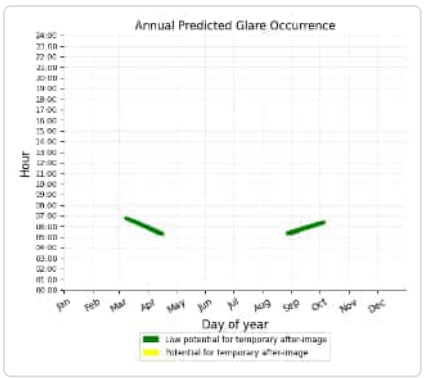
PV array 3: South Scarle RW 28

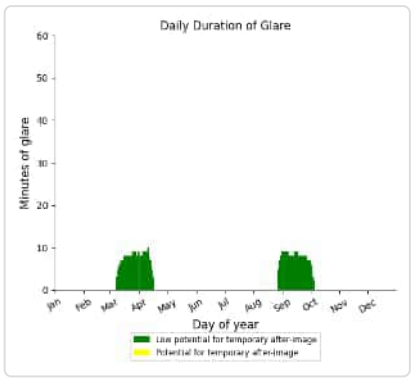
No glare found

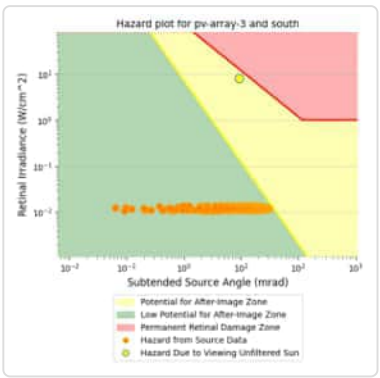
PV array 3: South Scarle RWY 10

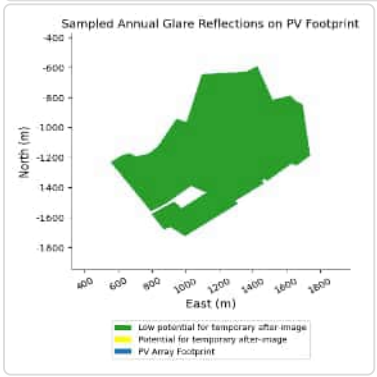
PV array is expected to produce the following glare for this receptor:

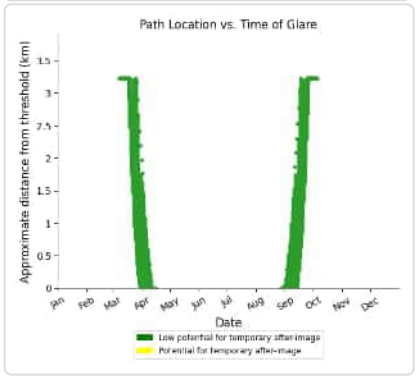
- 617 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

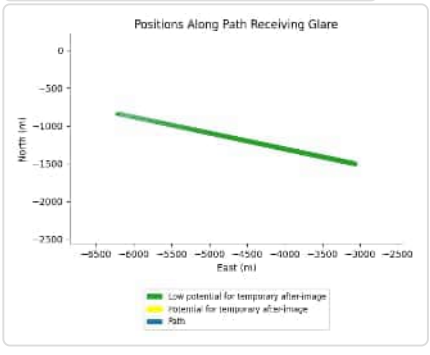












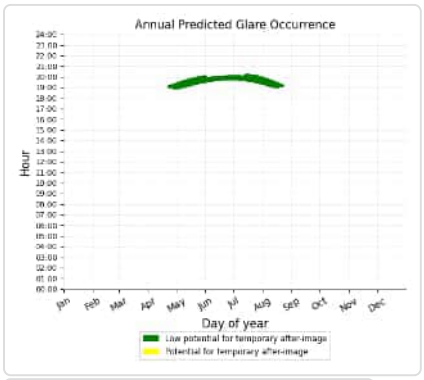
PV array 3: 1-ATCT

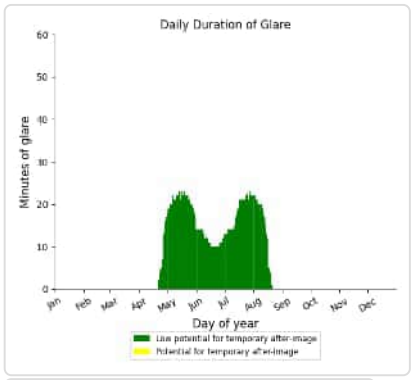
No glare found

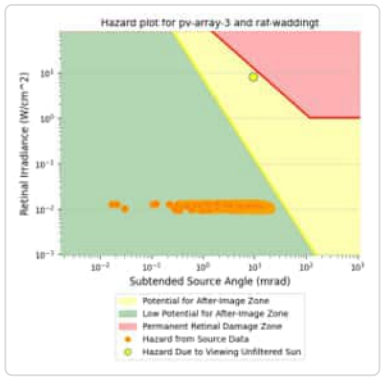
PV array 3: RAF Waddington Circuit Path East

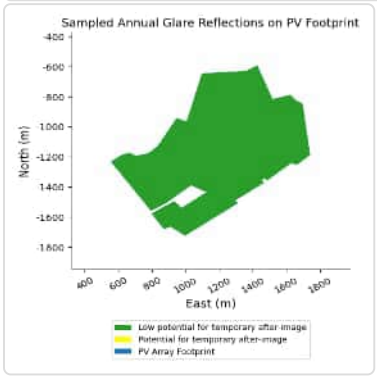
PV array is expected to produce the following glare for this receptor:

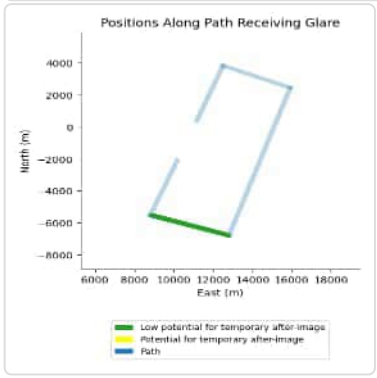
- 1,962 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







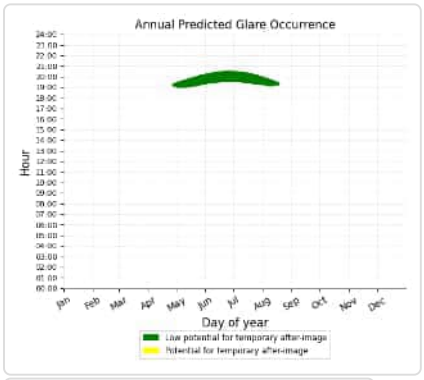


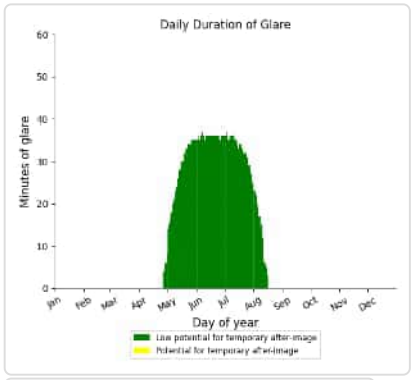


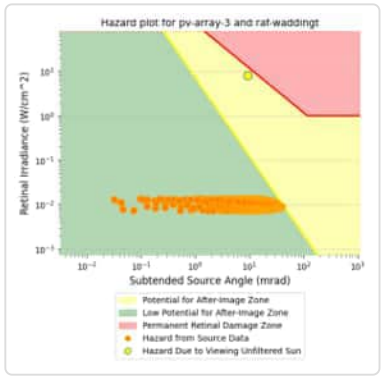
PV array 3: RAF Waddington Circuit Path West

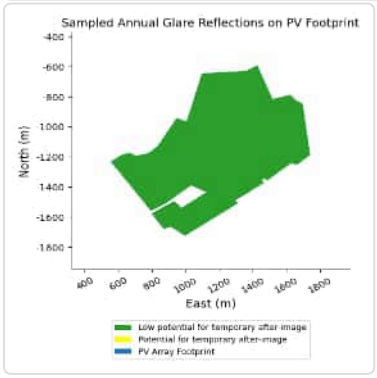
PV array is expected to produce the following glare for this receptor:

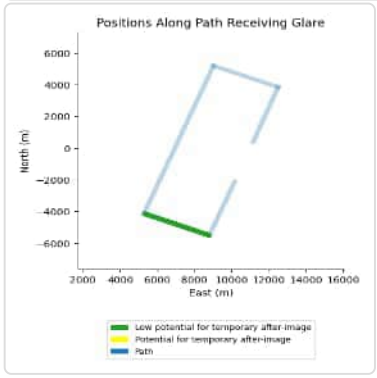
- 3,196 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 4 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	347	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	165	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	90	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	686	4
FP: South Hykeham RWY 31	80	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	337	0
OP: 1-ATCT	36	0
Route: RAF Waddington Circuit Path East	0	0
Route: RAF Waddington Circuit Path West	856	0

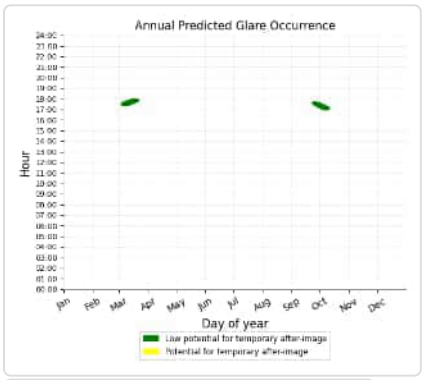
PV array 4: Blackmoor Farm RWY 06

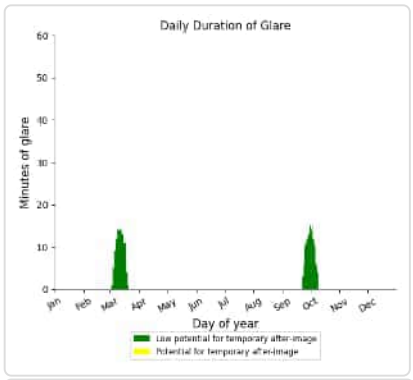
No glare found

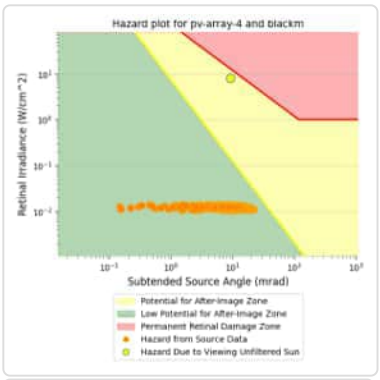
PV array 4: Blackmoor Farm RWY 24

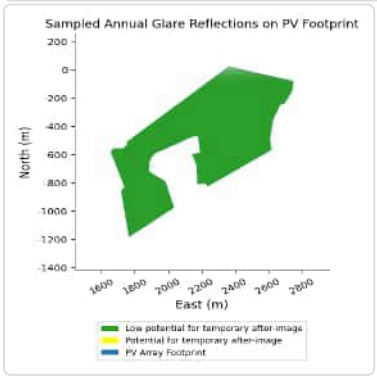
PV array is expected to produce the following glare for this receptor:

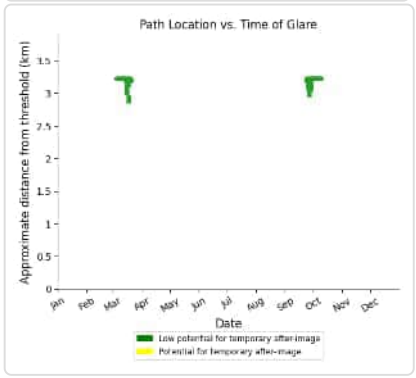
- 347 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

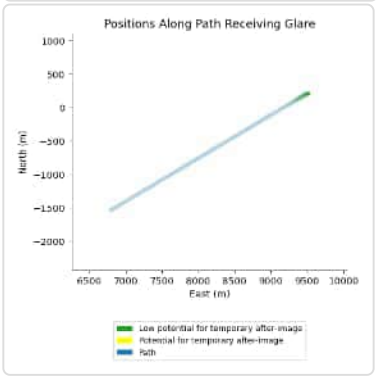












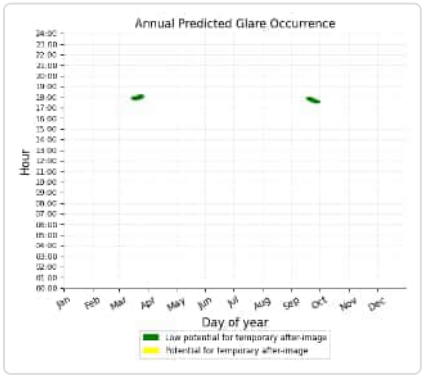
PV array 4: Peacocks Farm RWY 06

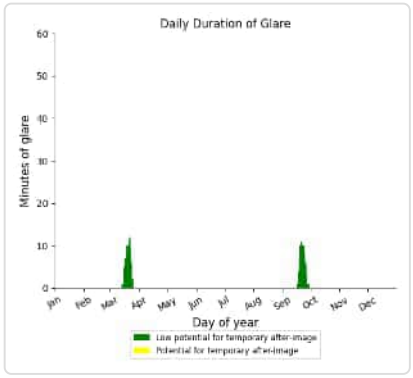
No glare found

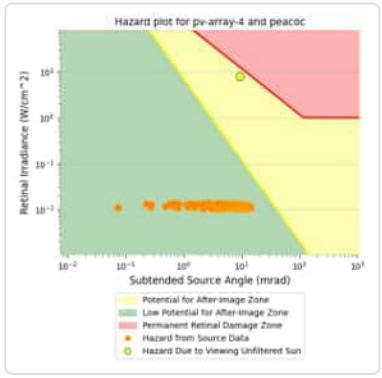
PV array 4: Peacocks Farm RWY 24

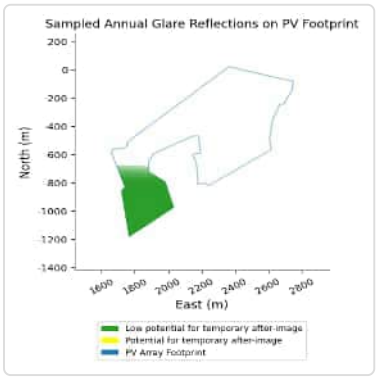
PV array is expected to produce the following glare for this receptor:

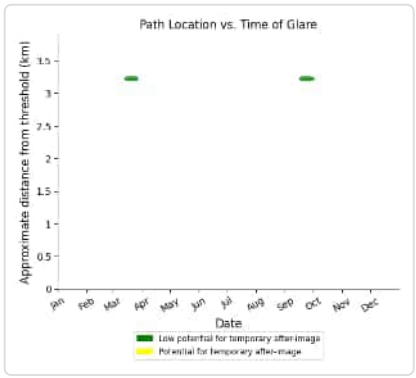
- 165 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

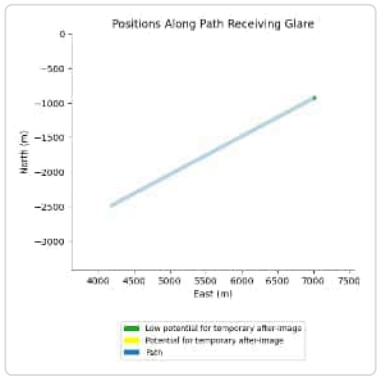












PV array 4: RAF Waddington RWY 02

No glare found

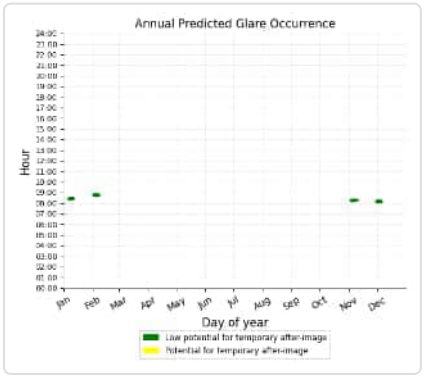
PV array 4: RAF Waddington RWY 20

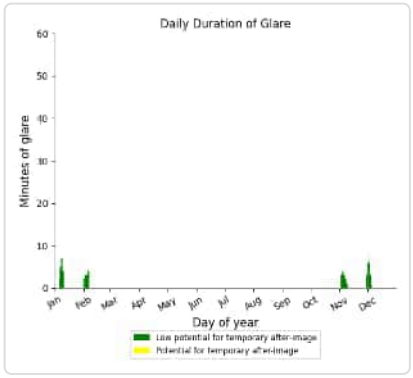
No glare found

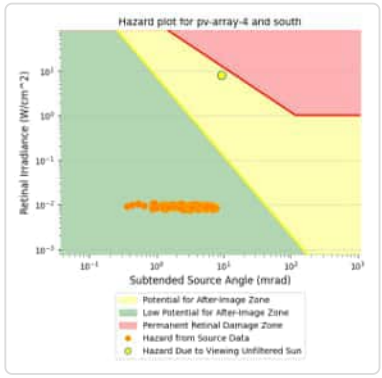
PV array 4: South Hykeham RWY 10

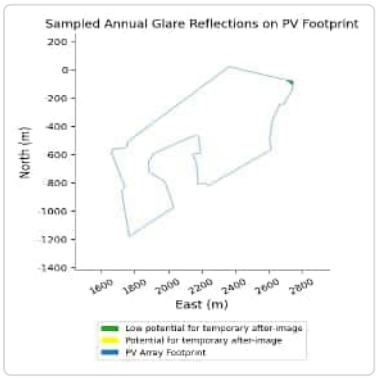
PV array is expected to produce the following glare for this receptor:

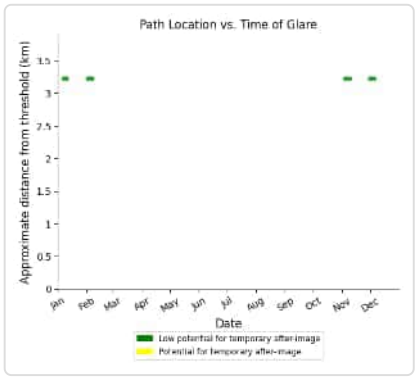
- 90 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

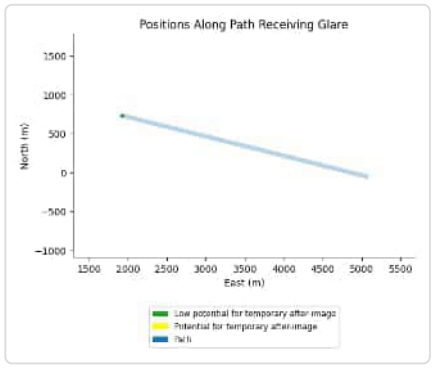












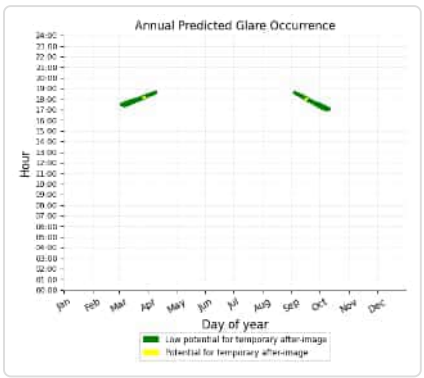
PV array 4: South Hykeham RWY 13

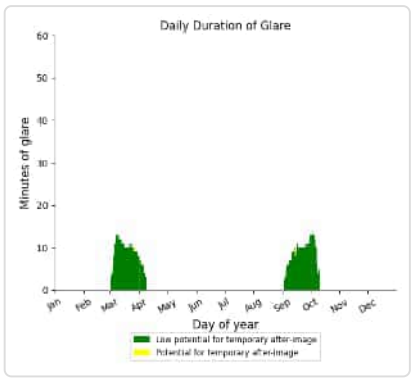
No glare found

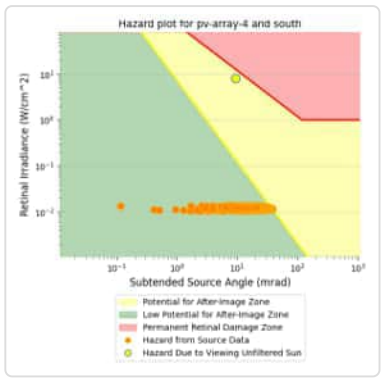
PV array 4: South Hykeham RWY 28

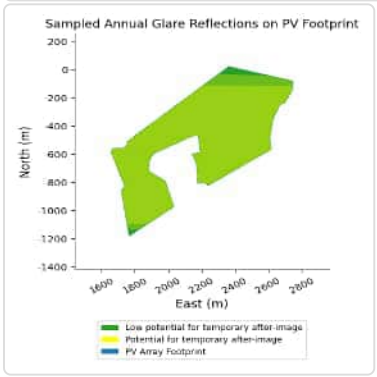
PV array is expected to produce the following glare for this receptor:

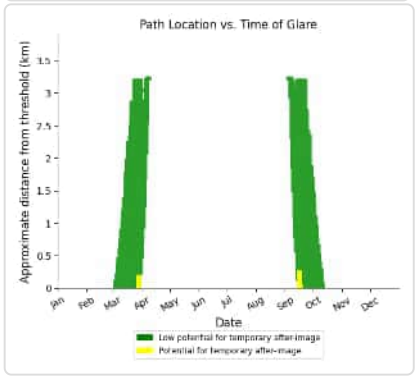
- 686 minutes of "green" glare with low potential to cause temporary after-image.
- 4 minutes of "yellow" glare with potential to cause temporary after-image.

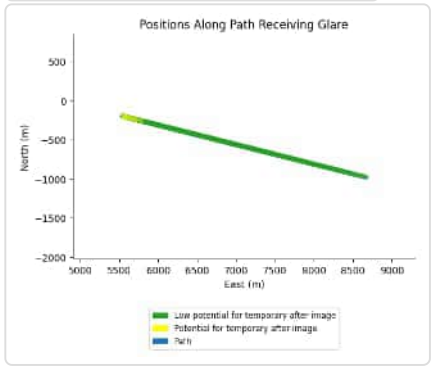








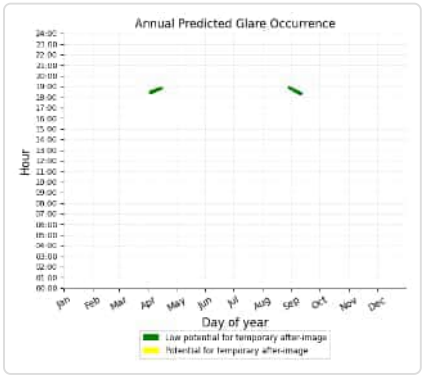


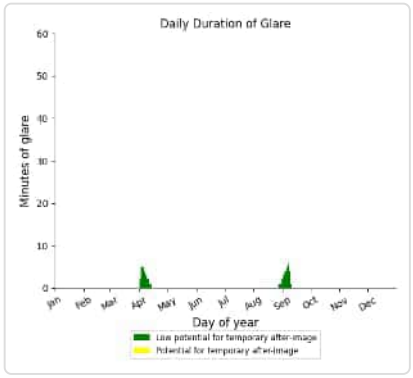


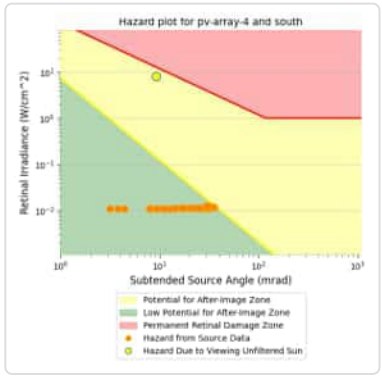
PV array 4: South Hykeham RWY 31

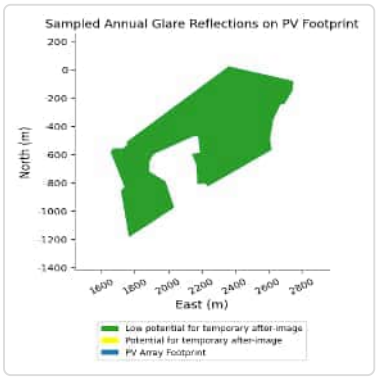
PV array is expected to produce the following glare for this receptor:

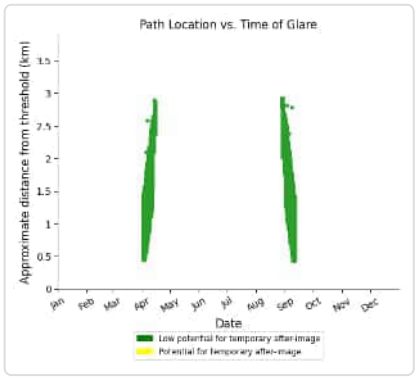
- 80 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

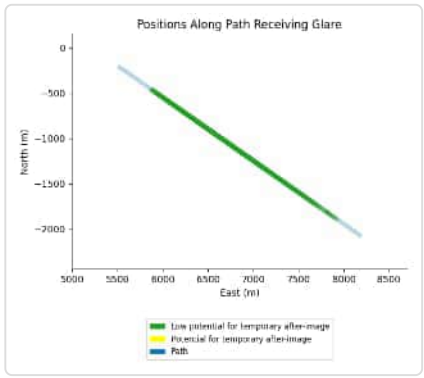












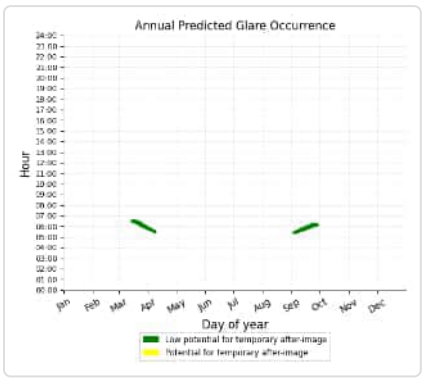
PV array 4: South Scarle RW 28

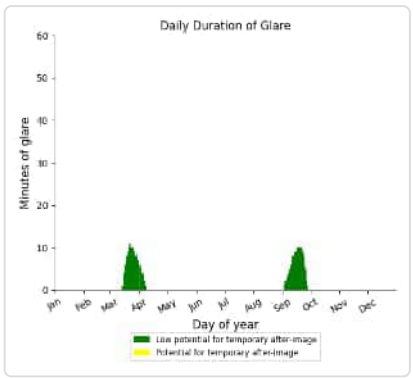
No glare found

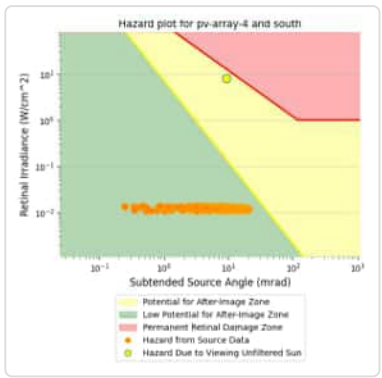
PV array 4: South Scarle RWY 10

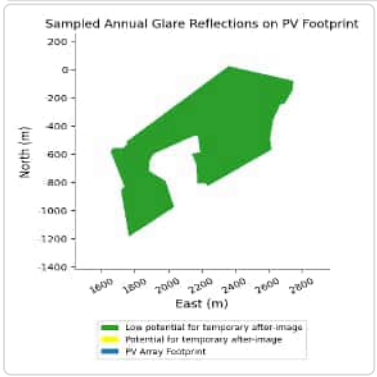
PV array is expected to produce the following glare for this receptor:

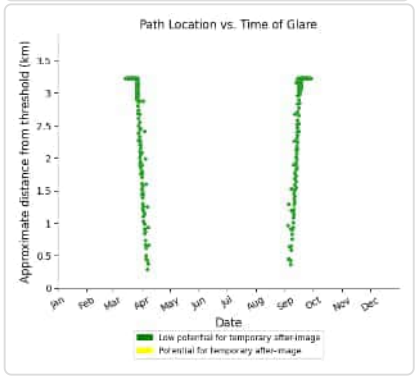
- 337 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

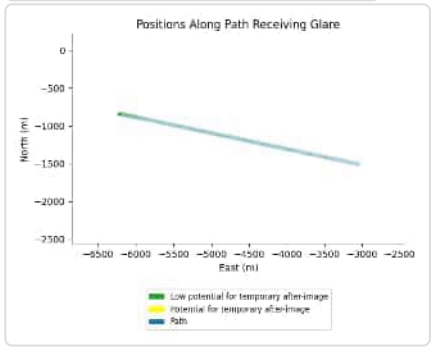








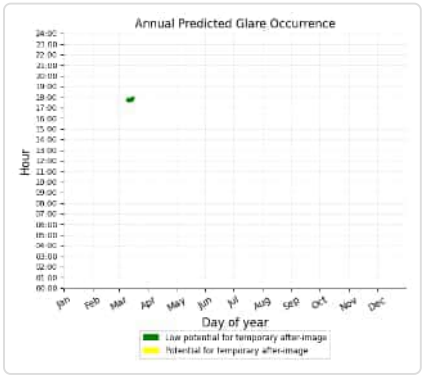


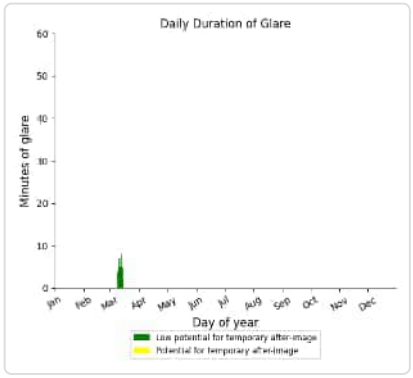


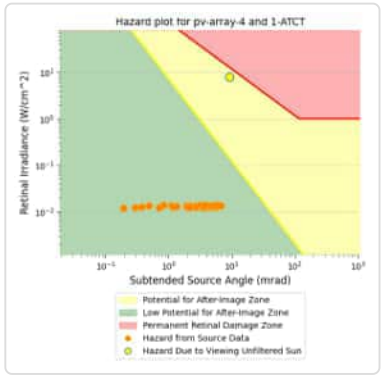
PV array 4: 1-ATCT

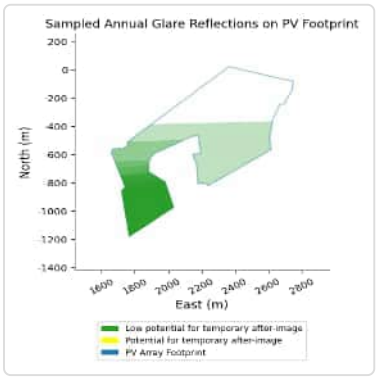
PV array is expected to produce the following glare for this receptor:

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









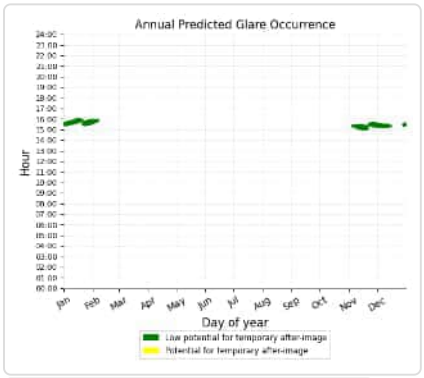
PV array 4: RAF Waddington Circuit Path East

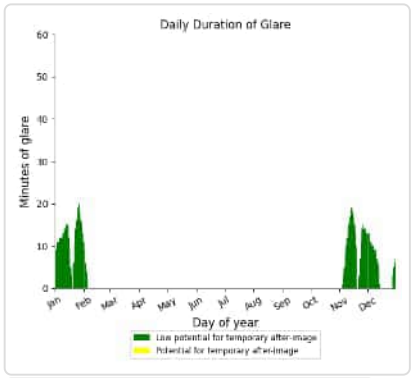
No glare found

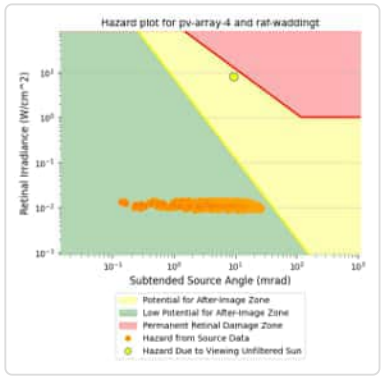
PV array 4: RAF Waddington Circuit Path West

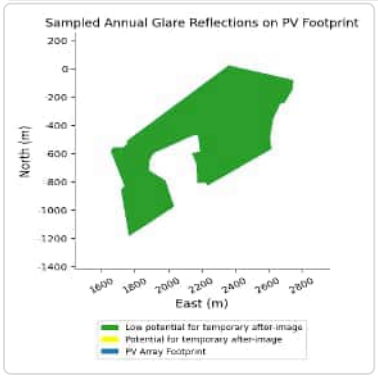
PV array is expected to produce the following glare for this receptor:

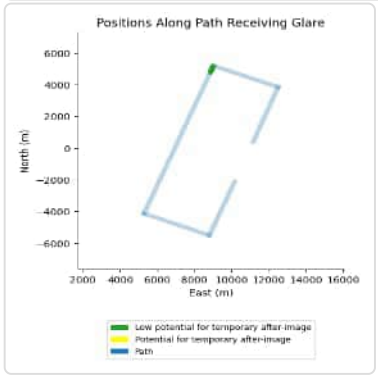
- 856 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 6 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	680	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	522	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	746	0
FP: South Hykeham RWY 31	43	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	344	0
OP: 1-ATCT	29	0
Route: RAF Waddington Circuit Path East	0	0
Route: RAF Waddington Circuit Path West	1929	0

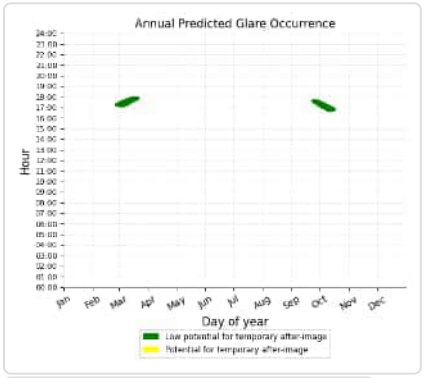
PV array 6: Blackmoor Farm RWY 06

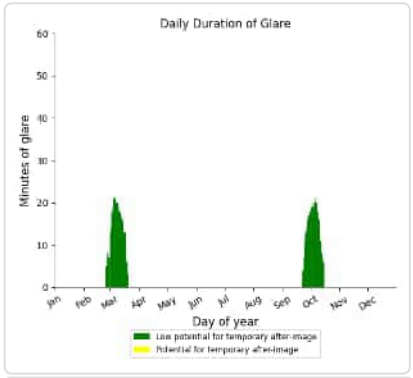
No glare found

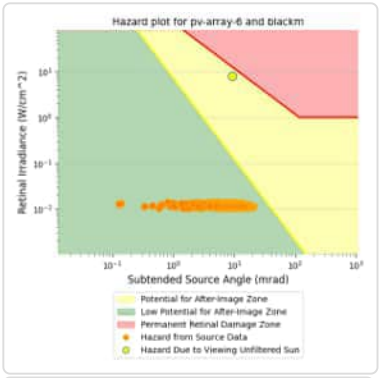
PV array 6: Blackmoor Farm RWY 24

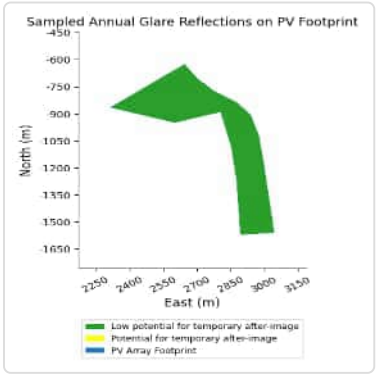
PV array is expected to produce the following glare for this receptor:

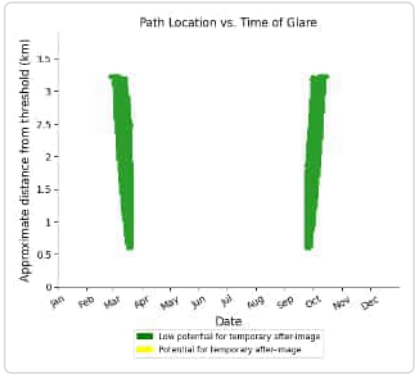
- 680 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

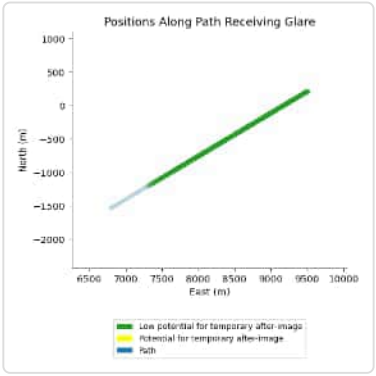












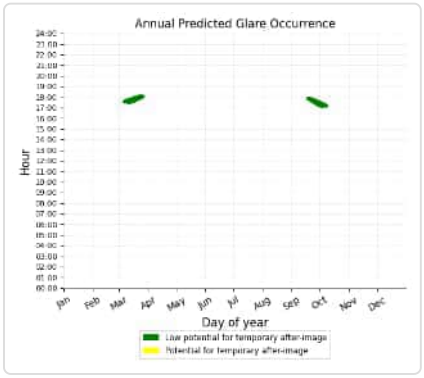
PV array 6: Peacocks Farm RWY 06

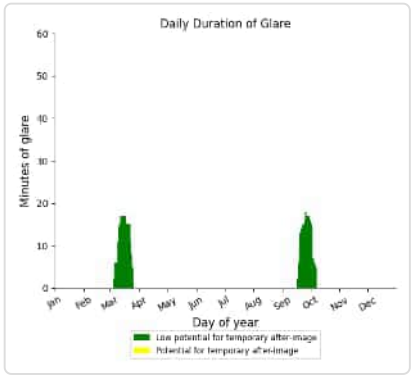
No glare found

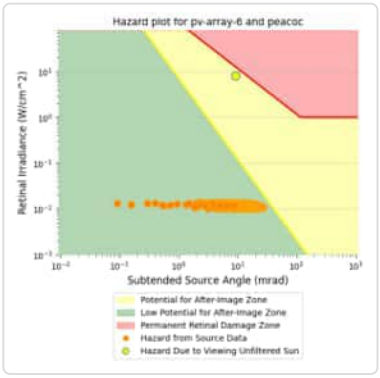
PV array 6: Peacocks Farm RWY 24

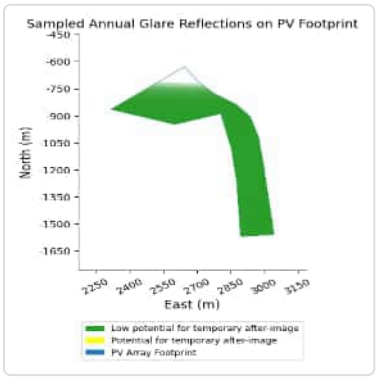
PV array is expected to produce the following glare for this receptor:

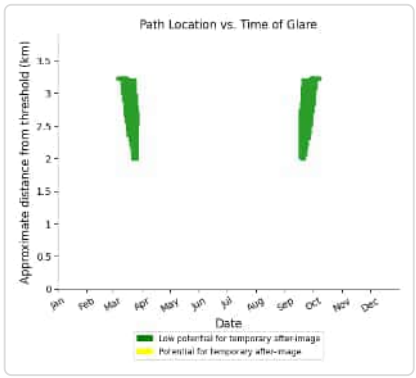
- 522 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

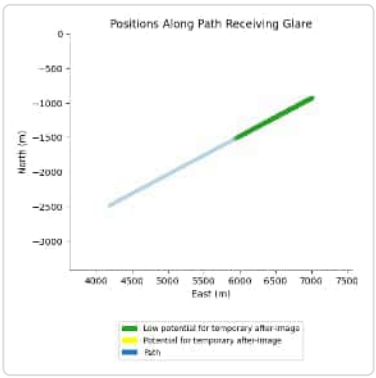












PV array 6: RAF Waddington RWY 02

No glare found

PV array 6: RAF Waddington RWY 20

No glare found

PV array 6: South Hykeham RWY 10

No glare found

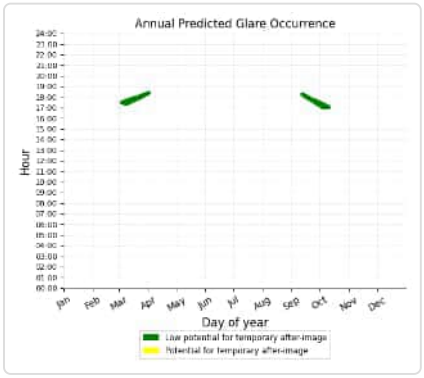
PV array 6: South Hykeham RWY 13

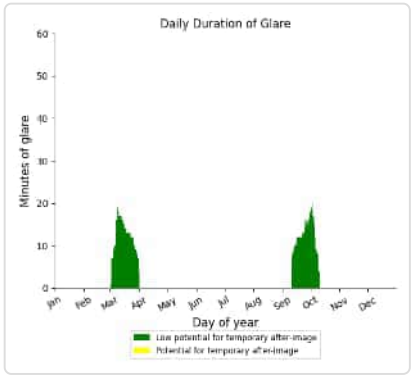
No glare found

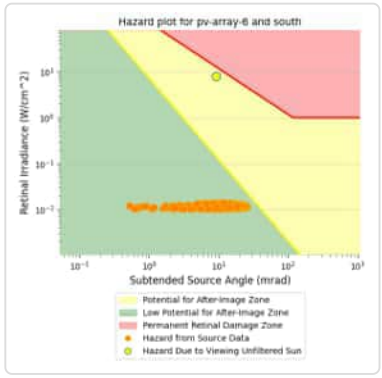
PV array 6: South Hykeham RWY 28

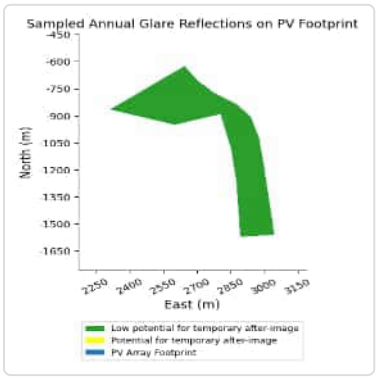
PV array is expected to produce the following glare for this receptor:

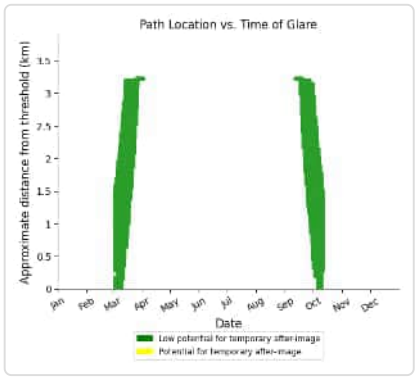
- 746 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

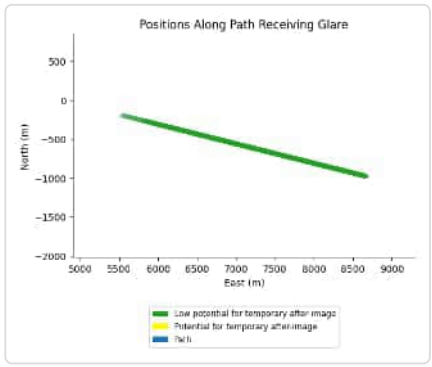








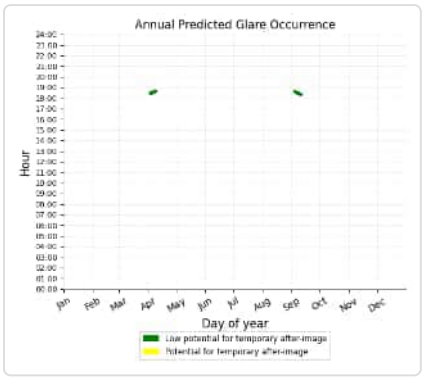


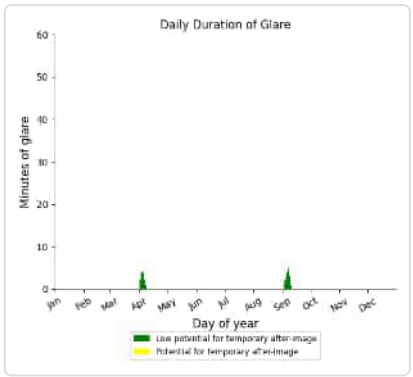


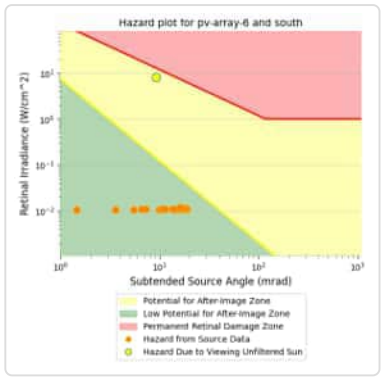
PV array 6: South Hykeham RWY 31

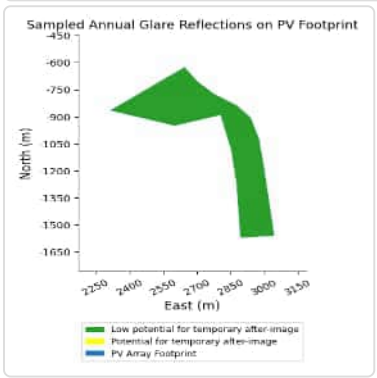
PV array is expected to produce the following glare for this receptor:

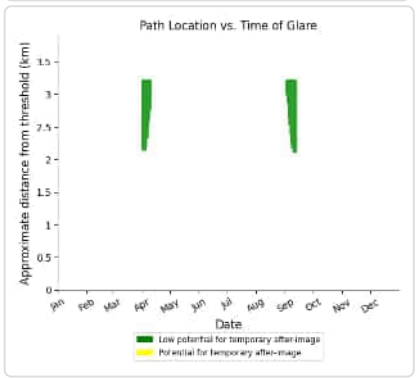
- 43 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

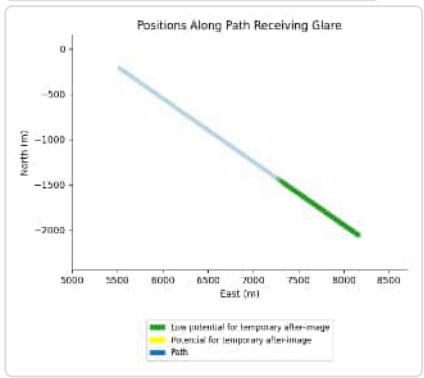












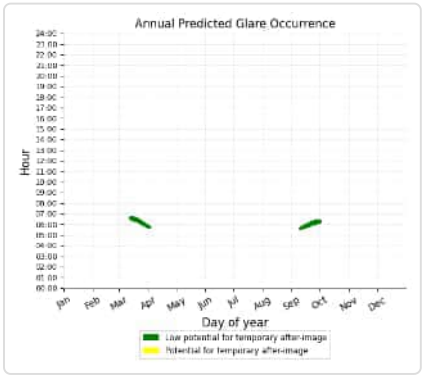
PV array 6: South Scarle RW 28

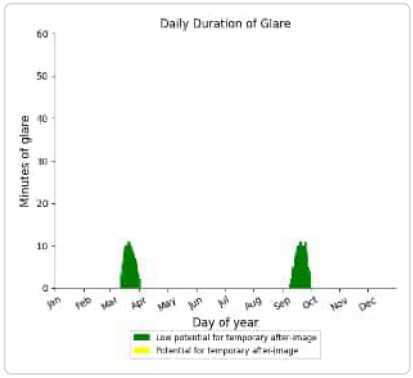
No glare found

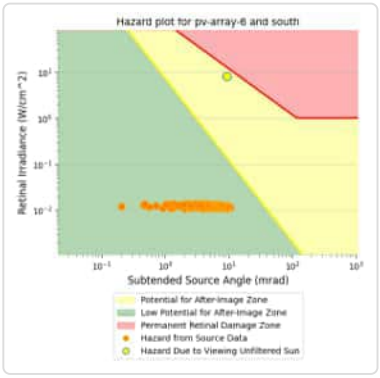
PV array 6: South Scarle RWY 10

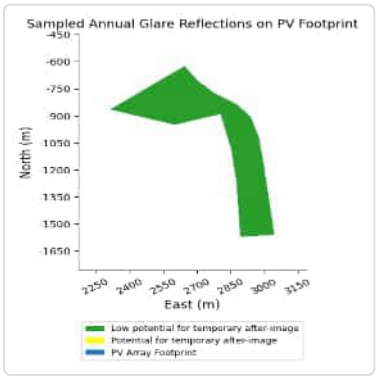
PV array is expected to produce the following glare for this receptor:

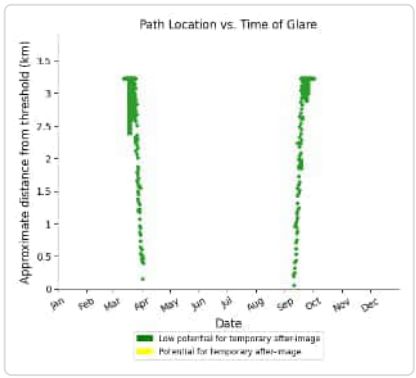
- 344 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

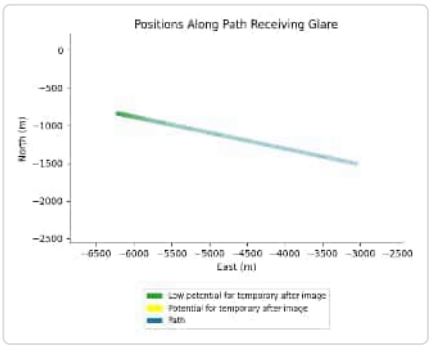








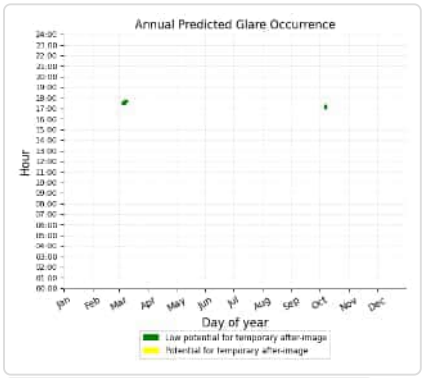


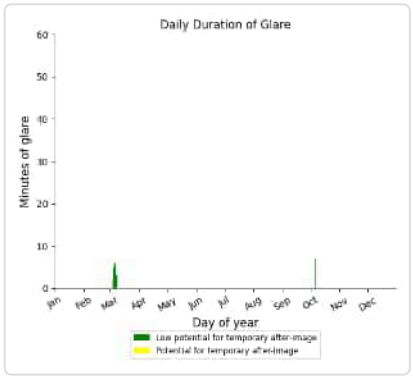


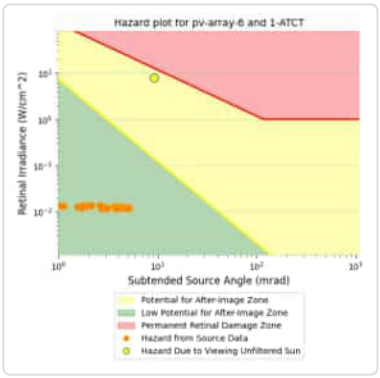
PV array 6: 1-ATCT

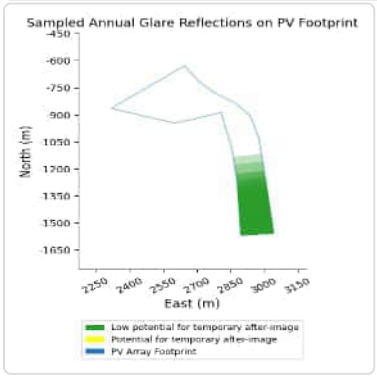
PV array is expected to produce the following glare for this receptor:

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









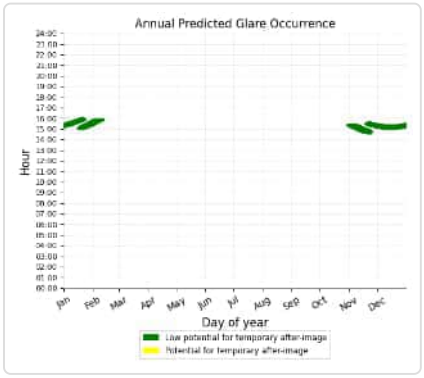
PV array 6: RAF Waddington Circuit Path East

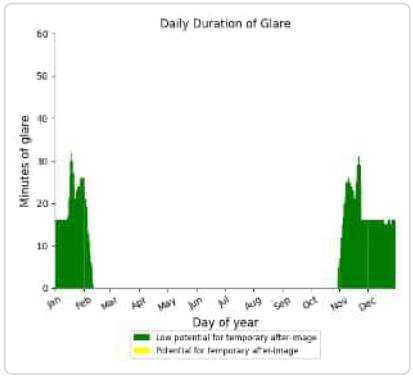
No glare found

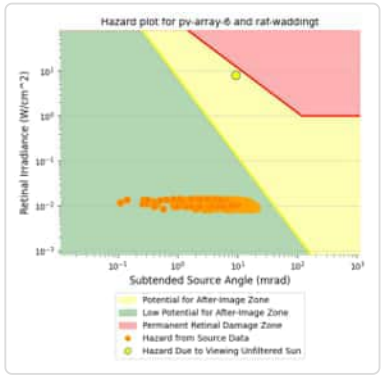
PV array 6: RAF Waddington Circuit Path West

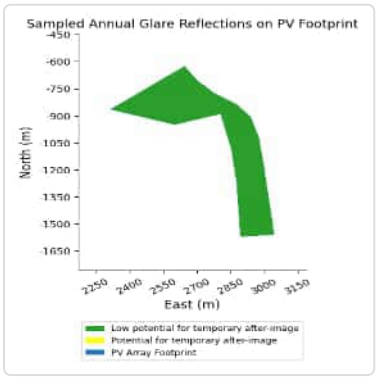
PV array is expected to produce the following glare for this receptor:

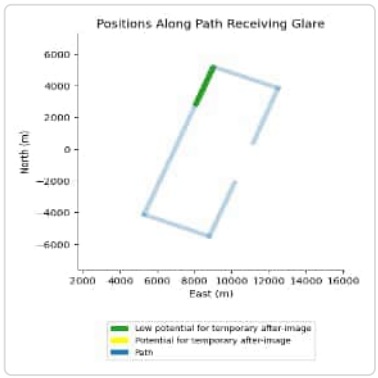
- 1,929 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 7 potential temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	66	0
FP: Peacocks Farm RWY 06	0	0
FP: Peacocks Farm RWY 24	88	140
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	282	0
FP: South Hykeham RWY 31	342	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	226	0
OP: 1-ATCT	28	0
Route: RAF Waddington Circuit Path East	2807	0
Route: RAF Waddington Circuit Path West	5665	0

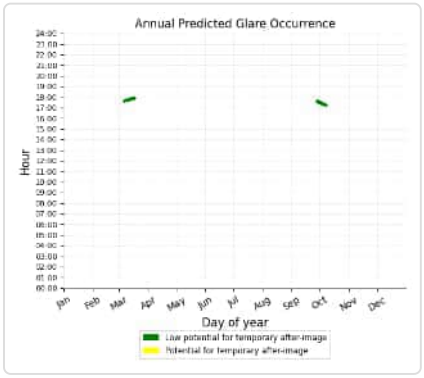
PV array 7: Blackmoor Farm RWY 06

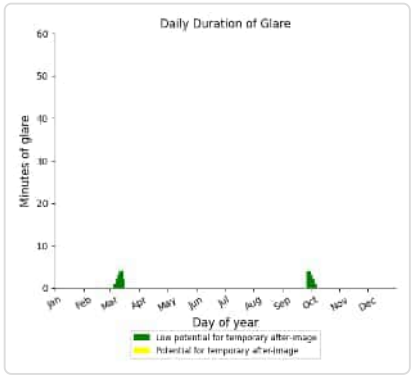
No glare found

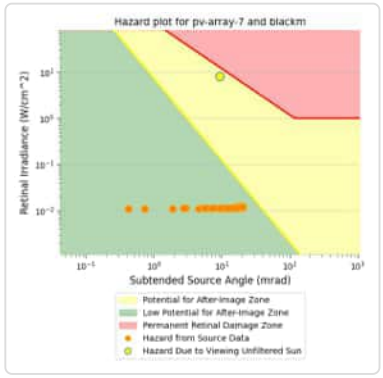
PV array 7: Blackmoor Farm RWY 24

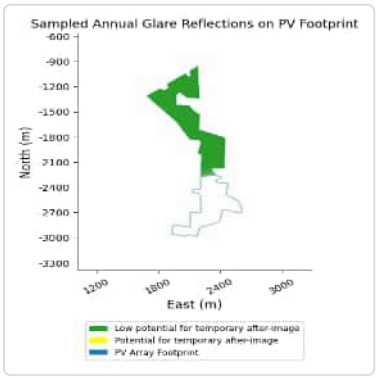
PV array is expected to produce the following glare for this receptor:

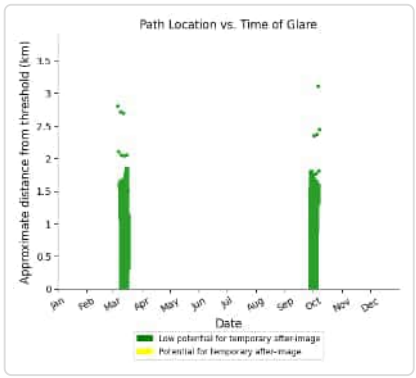
- 66 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

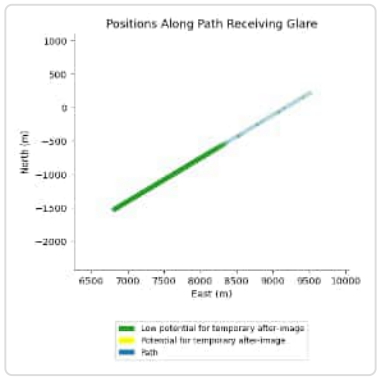












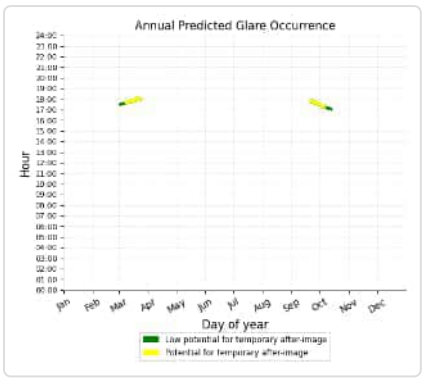
PV array 7: Peacocks Farm RWY 06

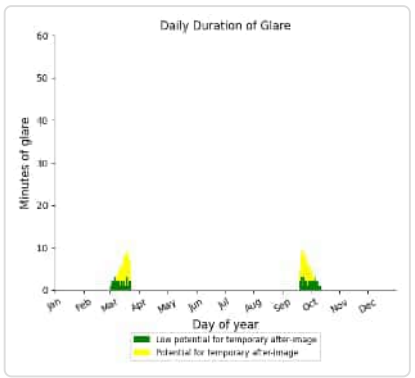
No glare found

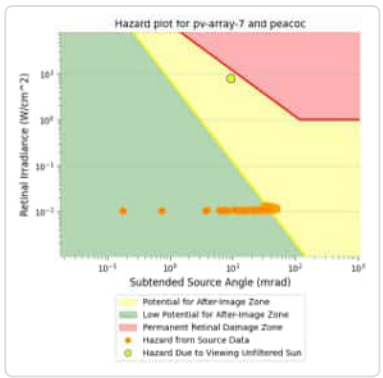
PV array 7: Peacocks Farm RWY 24

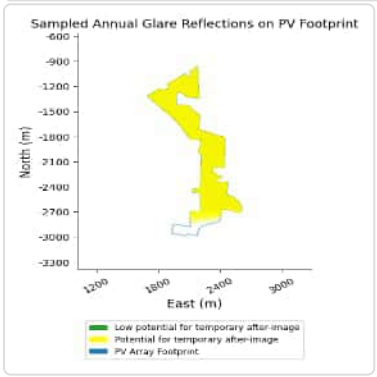
PV array is expected to produce the following glare for this receptor:

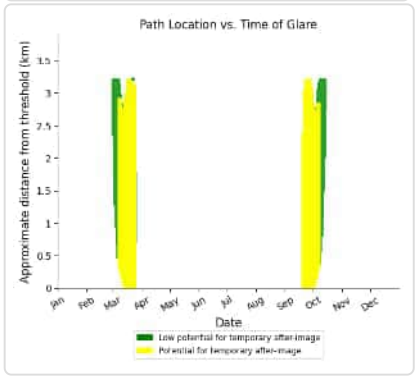
- 88 minutes of "green" glare with low potential to cause temporary after-image.
- 140 minutes of "yellow" glare with potential to cause temporary after-image.

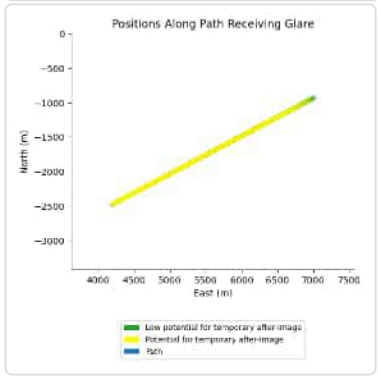












PV array 7: RAF Waddington RWY 02

No glare found

PV array 7: RAF Waddington RWY 20

No glare found

PV array 7: South Hykeham RWY 10

No glare found

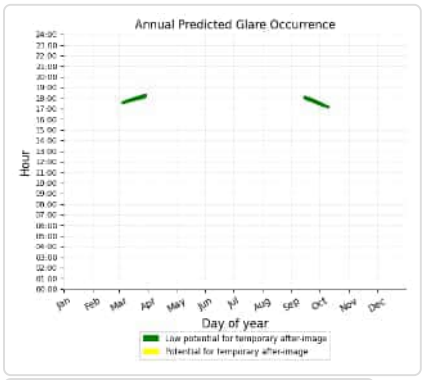
PV array 7: South Hykeham RWY 13

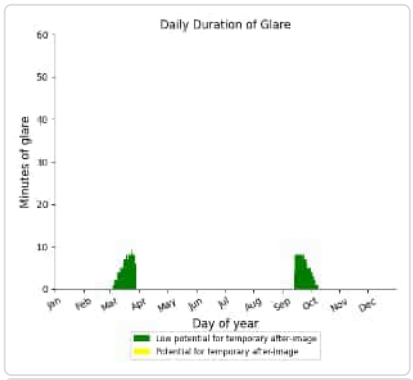
No glare found

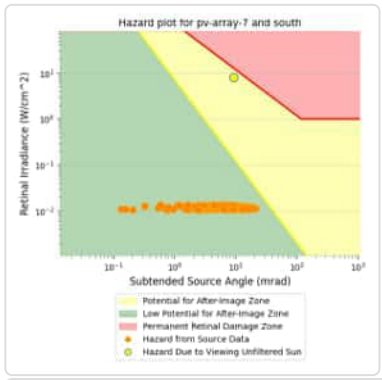
PV array 7: South Hykeham RWY 28

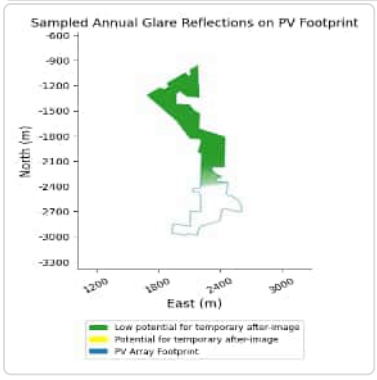
PV array is expected to produce the following glare for this receptor:

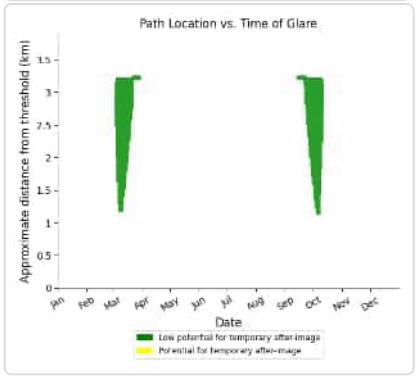
- 282 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

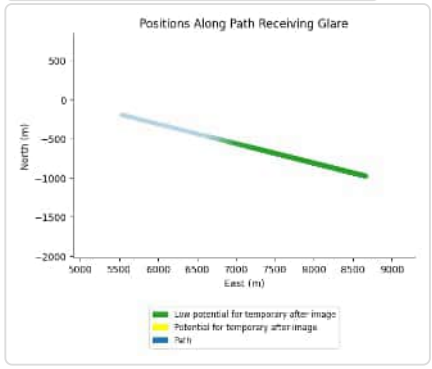








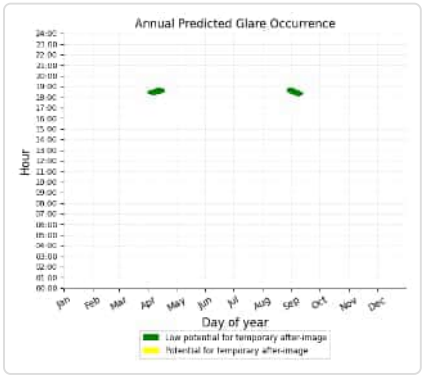


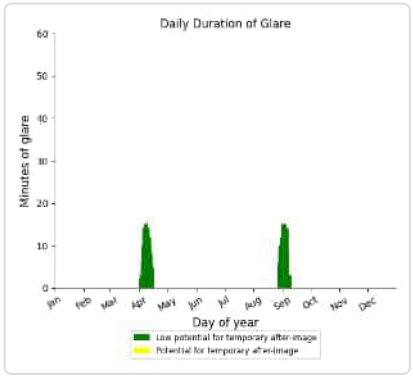


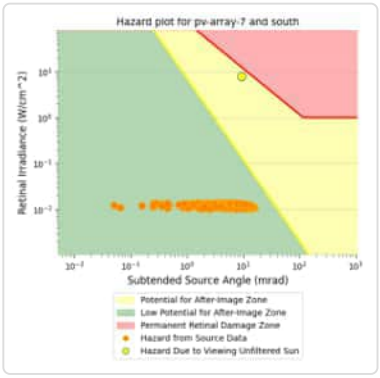
PV array 7: South Hykeham RWY 31

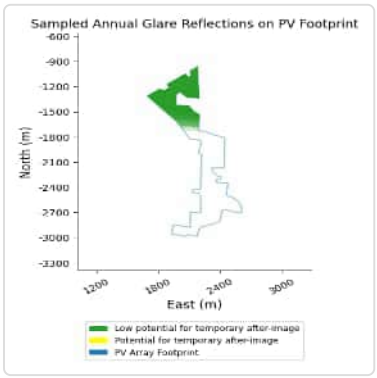
PV array is expected to produce the following glare for this receptor:

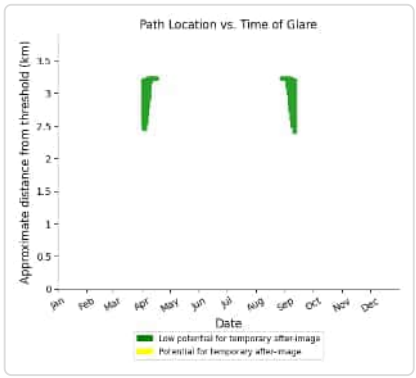
- 342 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

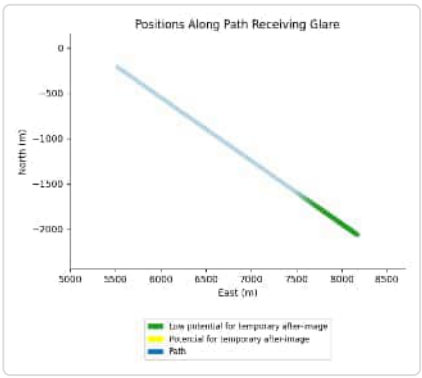












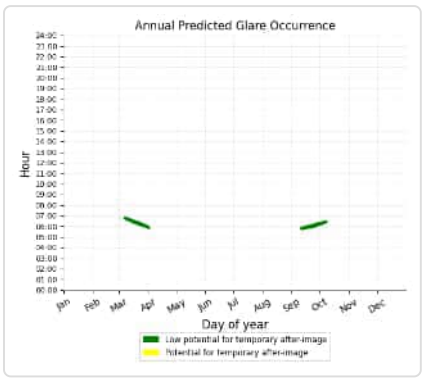
PV array 7: South Scarle RW 28

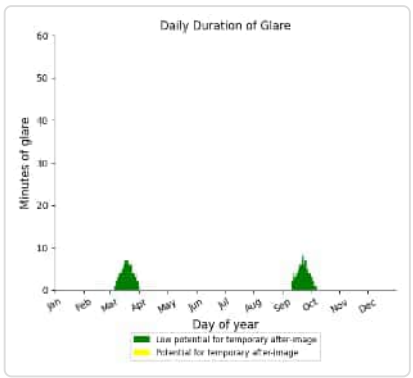
No glare found

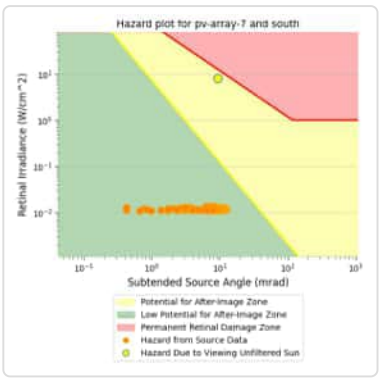
PV array 7: South Scarle RWY 10

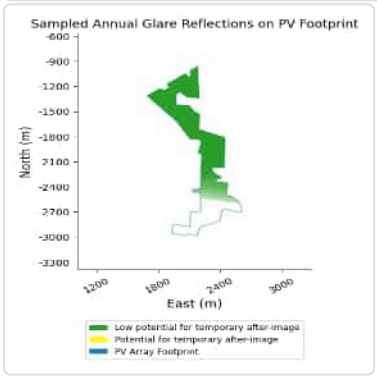
PV array is expected to produce the following glare for this receptor:

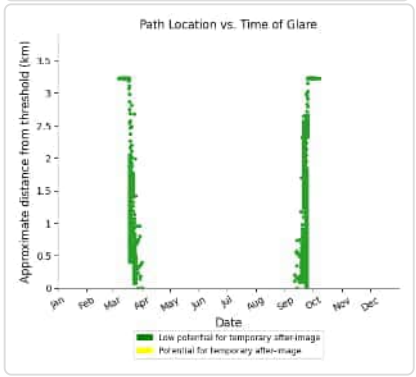
- 226 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

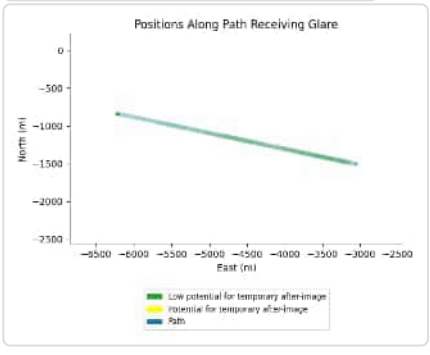








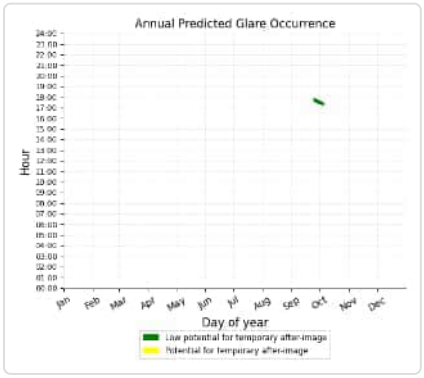


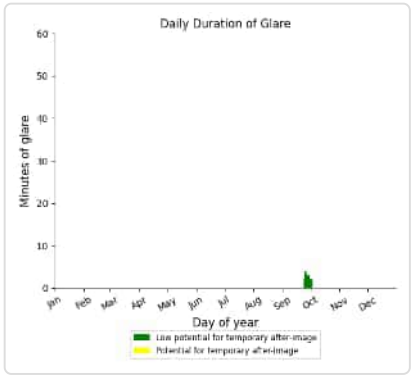


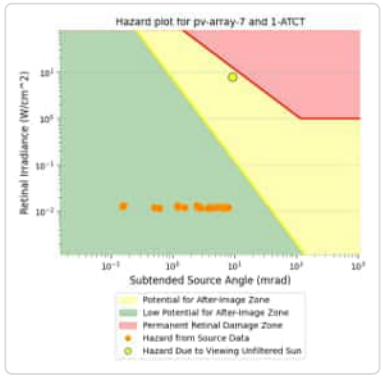
PV array 7: 1-ATCT

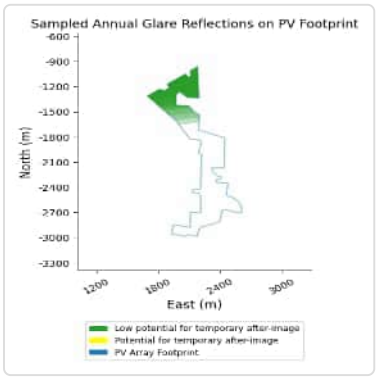
PV array is expected to produce the following glare for this receptor:

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





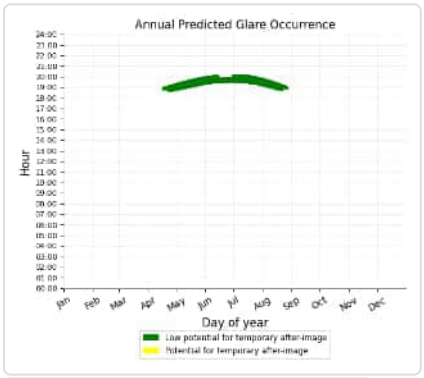


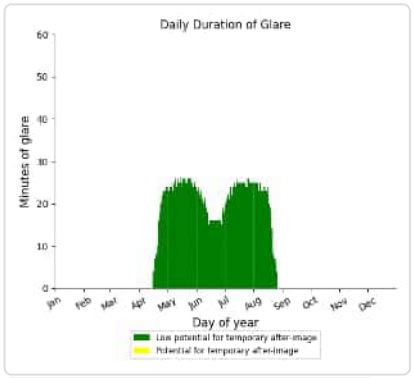


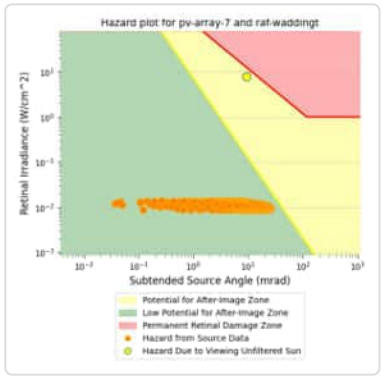
PV array 7: RAF Waddington Circuit Path East

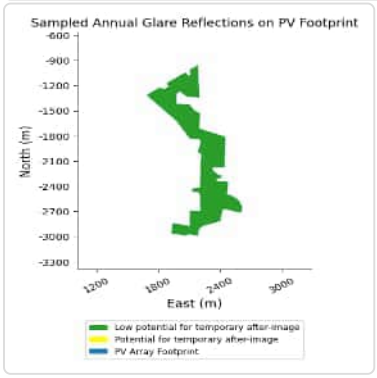
PV array is expected to produce the following glare for this receptor:

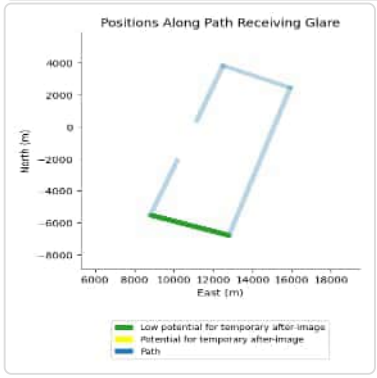
- 2,807 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







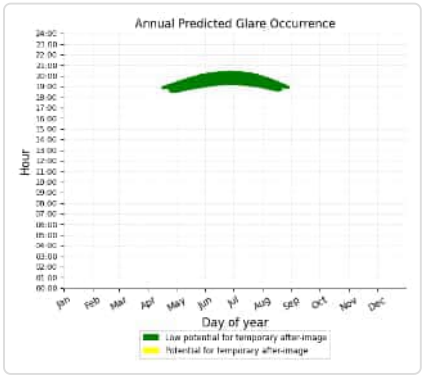


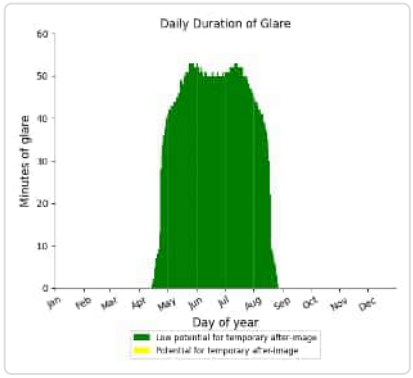


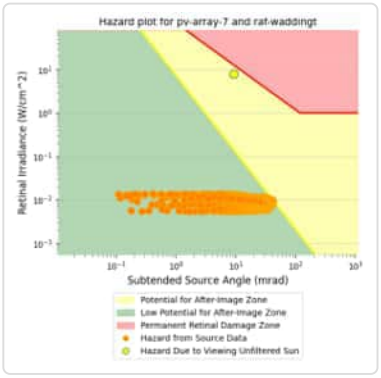
PV array 7: RAF Waddington Circuit Path West

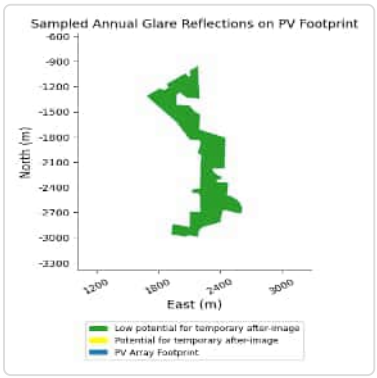
PV array is expected to produce the following glare for this receptor:

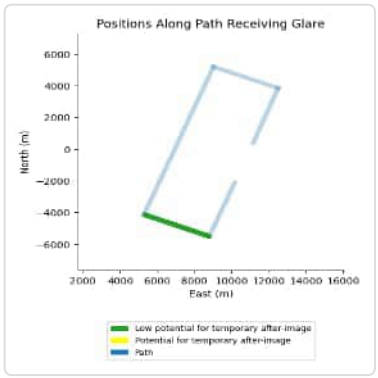
- 5,665 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 8 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	389	0
FP: Peacocks Farm RWY 06	54	0
FP: Peacocks Farm RWY 24	732	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	89	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	159	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	583	0
Route: RAF Waddington Circuit Path West	2954	0

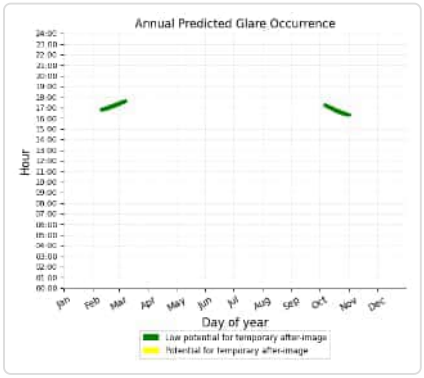
PV array 8: Blackmoor Farm RWY 06

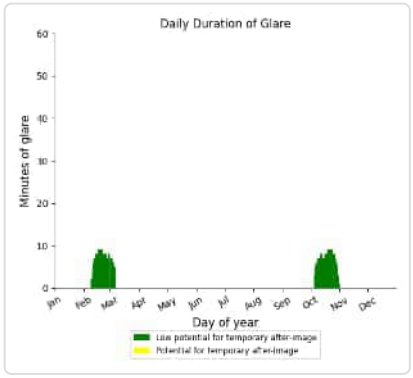
No glare found

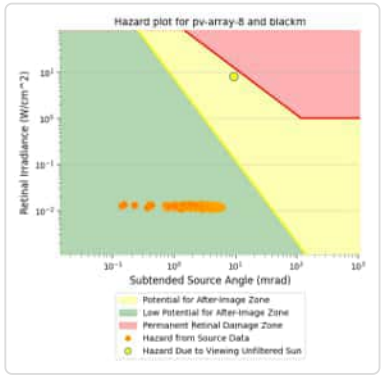
PV array 8: Blackmoor Farm RWY 24

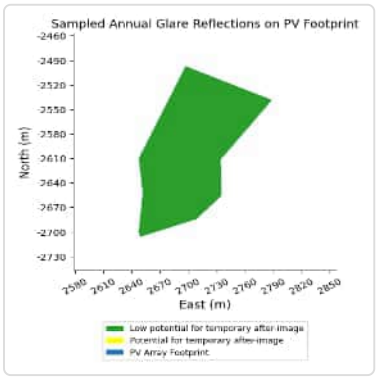
PV array is expected to produce the following glare for this receptor:

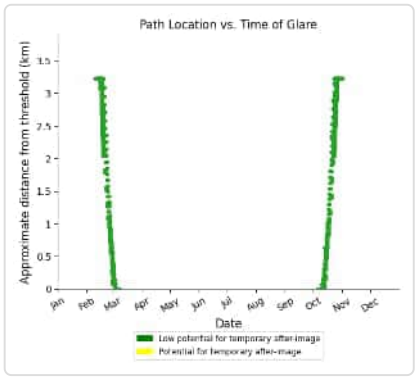
- 389 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

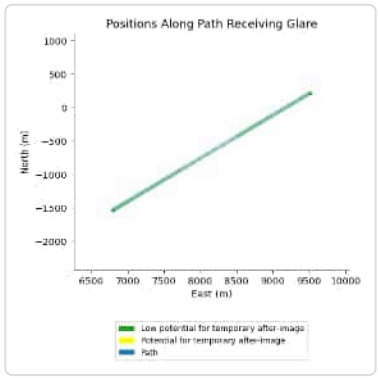








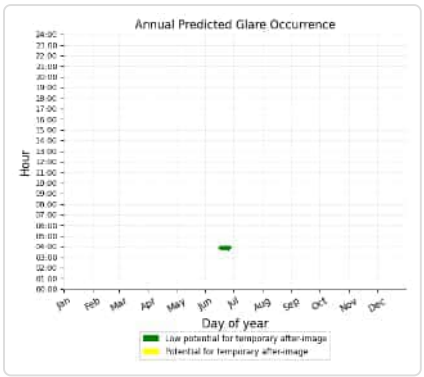


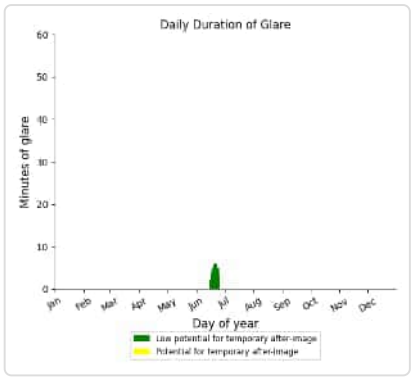


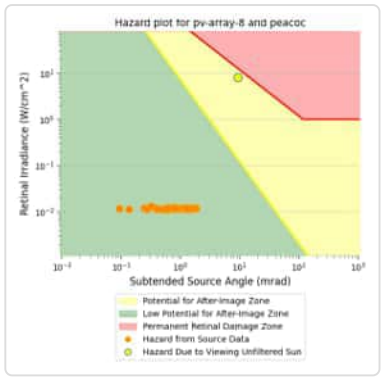
PV array 8: Peacocks Farm RWY 06

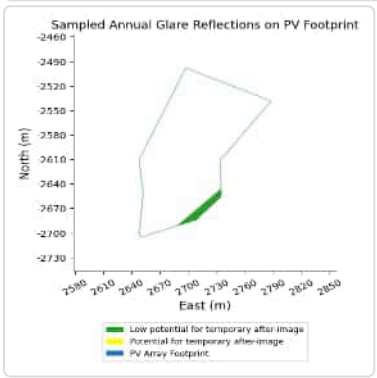
PV array is expected to produce the following glare for this receptor:

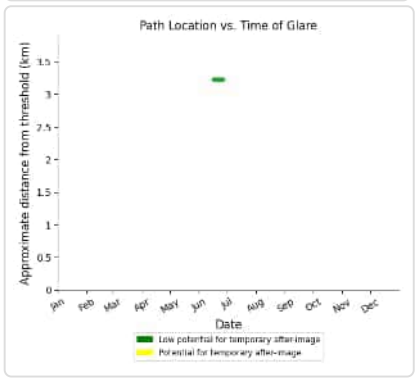
- 54 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

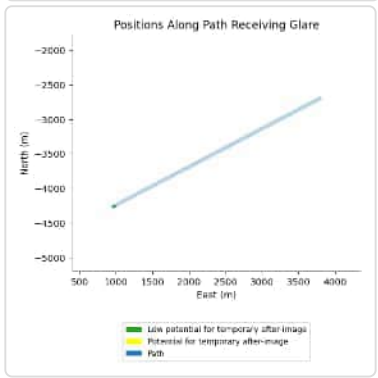








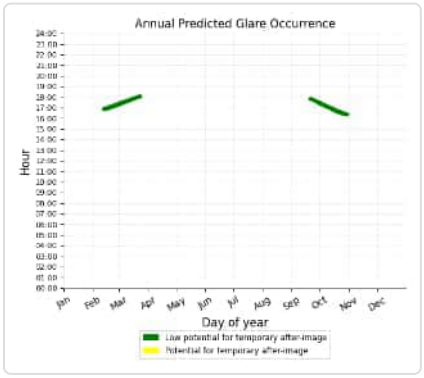


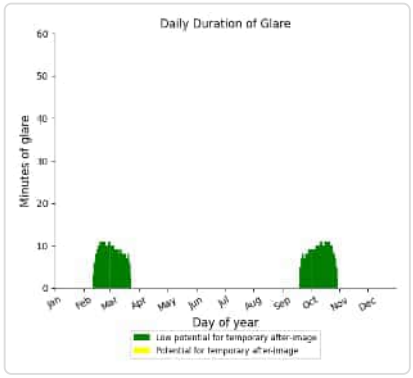


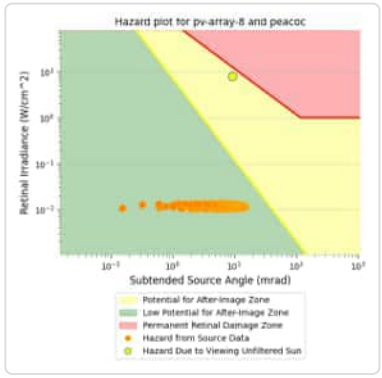
PV array 8: Peacocks Farm RWY 24

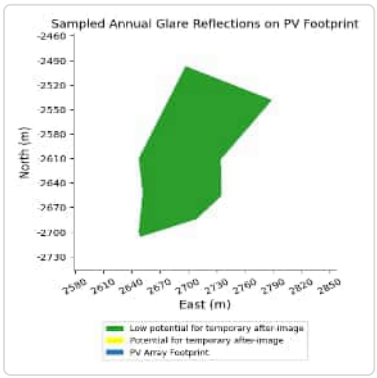
PV array is expected to produce the following glare for this receptor:

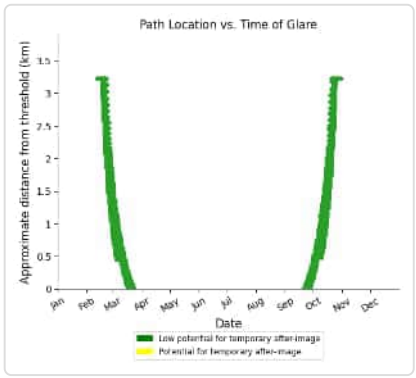
- 732 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

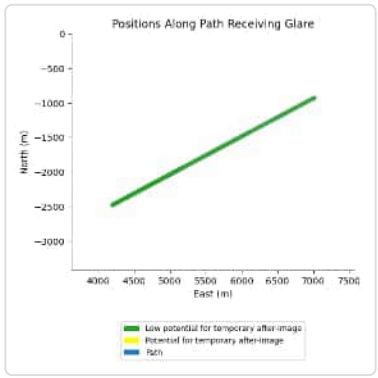












PV array 8: RAF Waddington RWY 02

No glare found

PV array 8: RAF Waddington RWY 20

No glare found

PV array 8: South Hykeham RWY 10

No glare found

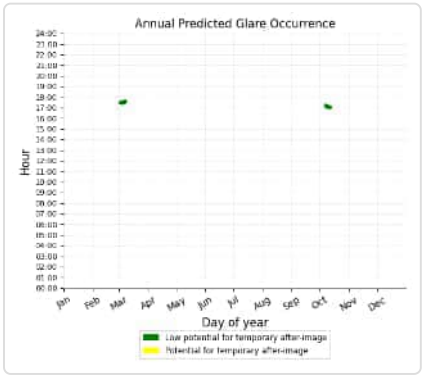
PV array 8: South Hykeham RWY 13

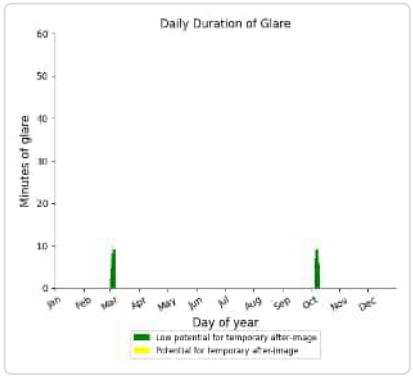
No glare found

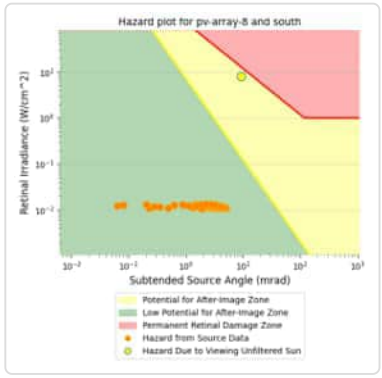
PV array 8: South Hykeham RWY 28

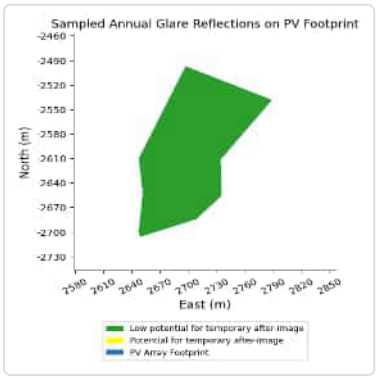
PV array is expected to produce the following glare for this receptor:

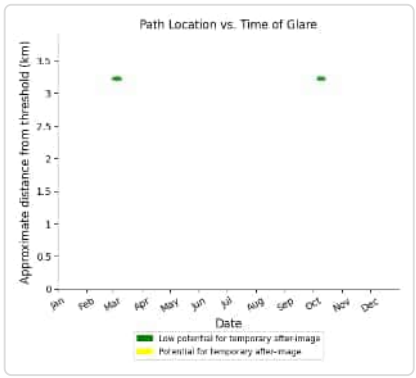
- 89 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

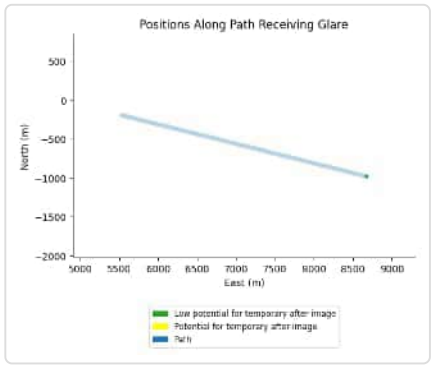












PV array 8: South Hykeham RWY 31

No glare found

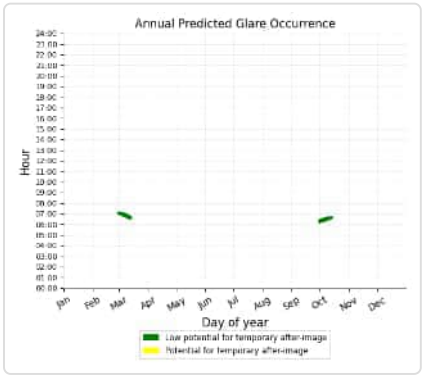
PV array 8: South Scarle RW 28

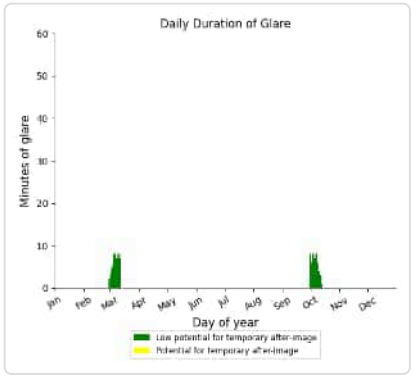
No glare found

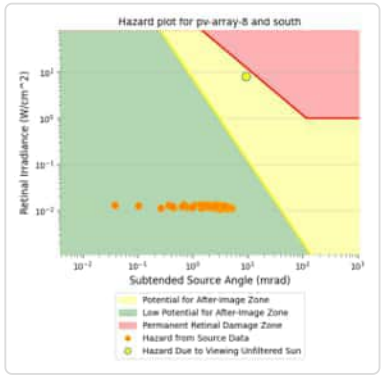
PV array 8: South Scarle RWY 10

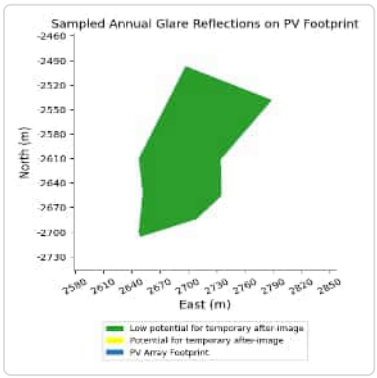
PV array is expected to produce the following glare for this receptor:

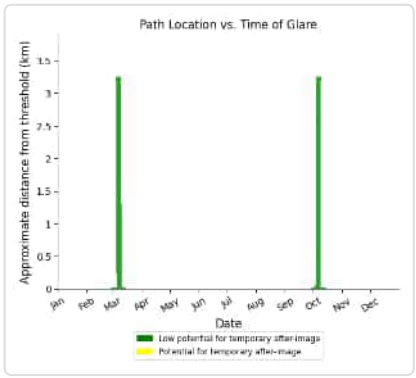
- 159 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

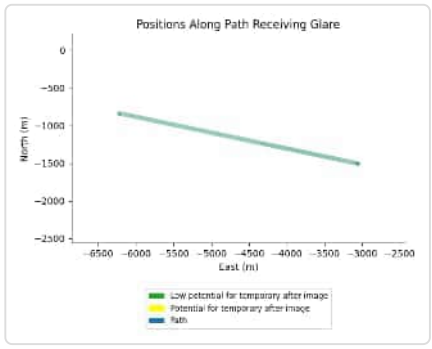












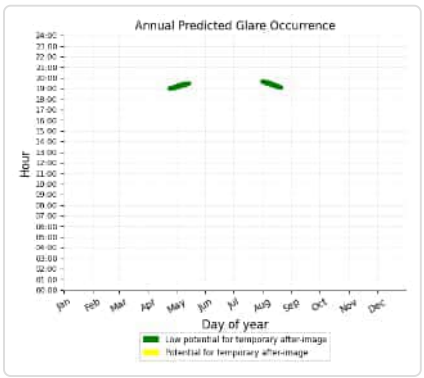
PV array 8: 1-ATCT

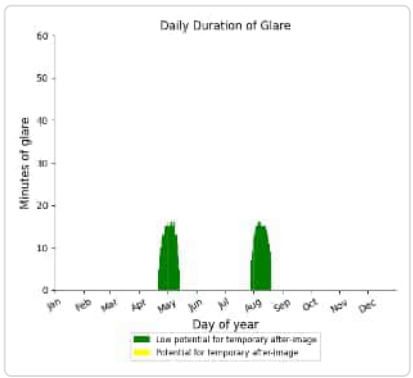
No glare found

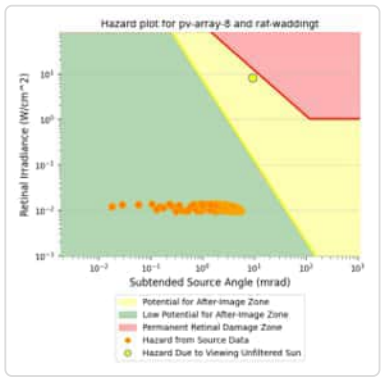
PV array 8: RAF Waddington Circuit Path East

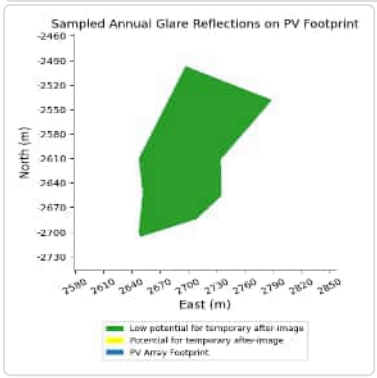
PV array is expected to produce the following glare for this receptor:

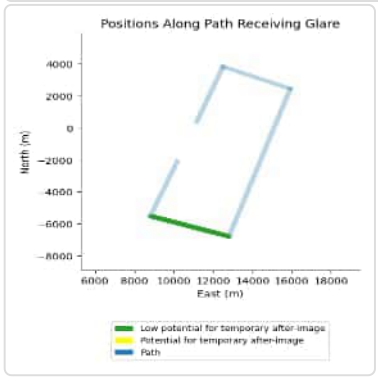
- 583 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







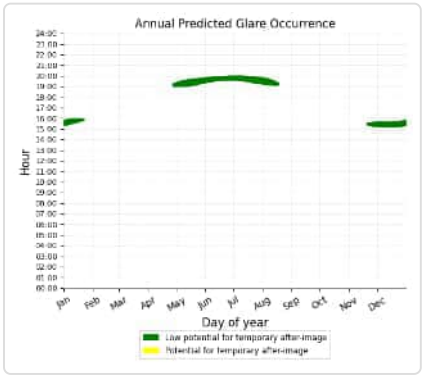


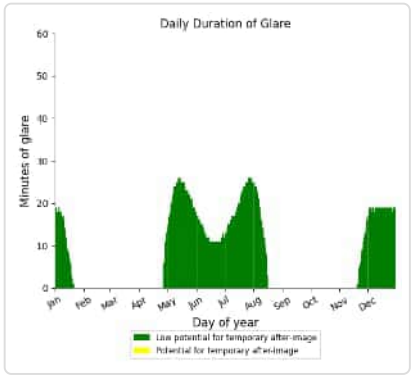


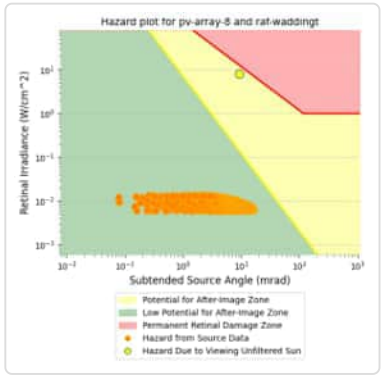
PV array 8: RAF Waddington Circuit Path West

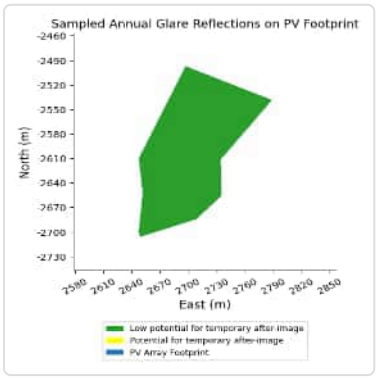
PV array is expected to produce the following glare for this receptor:

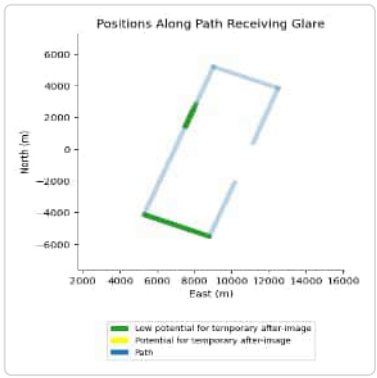
- 2,954 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











PV array 9 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Blackmoor Farm RWY 06	0	0
FP: Blackmoor Farm RWY 24	355	0
FP: Peacocks Farm RWY 06	359	0
FP: Peacocks Farm RWY 24	485	0
FP: RAF Waddington RWY 02	0	0
FP: RAF Waddington RWY 20	0	0
FP: South Hykeham RWY 10	0	0
FP: South Hykeham RWY 13	0	0
FP: South Hykeham RWY 28	0	0
FP: South Hykeham RWY 31	0	0
FP: South Scarle RW 28	0	0
FP: South Scarle RWY 10	223	0
OP: 1-ATCT	0	0
Route: RAF Waddington Circuit Path East	364	0
Route: RAF Waddington Circuit Path West	1937	0

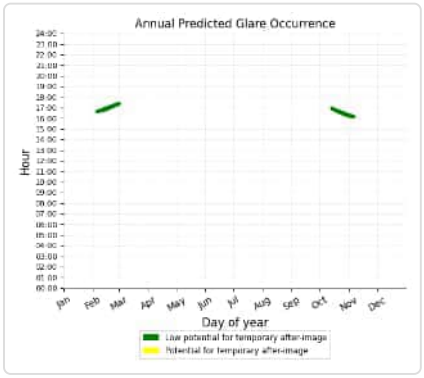
PV array 9: Blackmoor Farm RWY 06

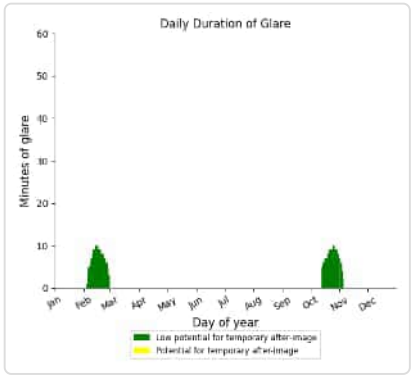
No glare found

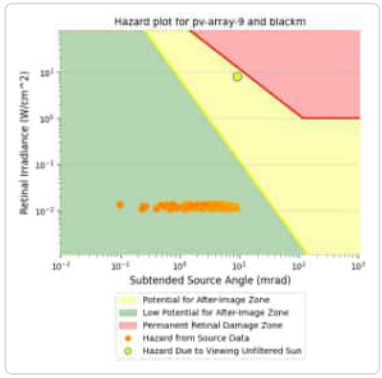
PV array 9: Blackmoor Farm RWY 24

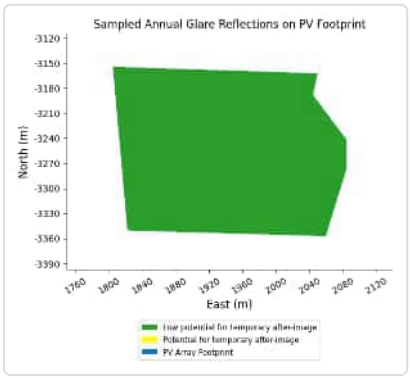
PV array is expected to produce the following glare for this receptor:

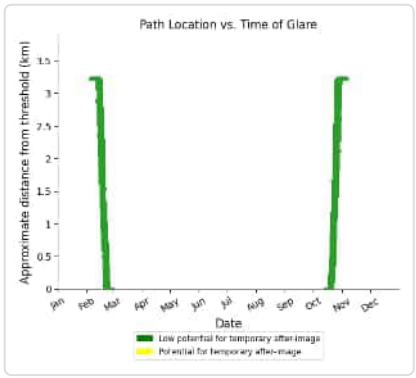
- 355 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

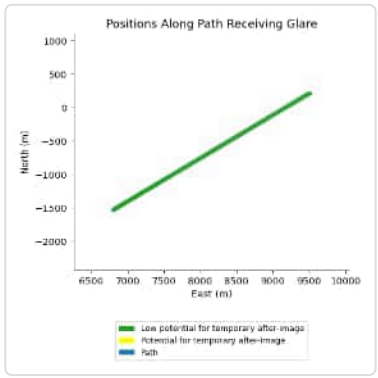








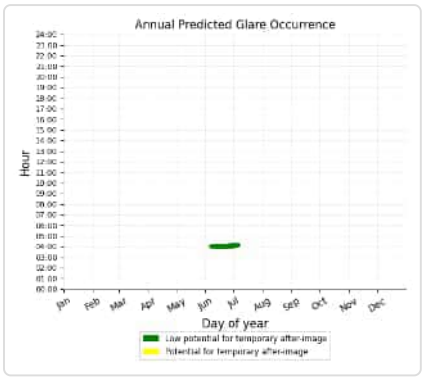


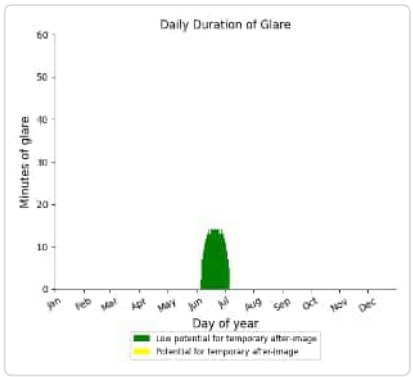


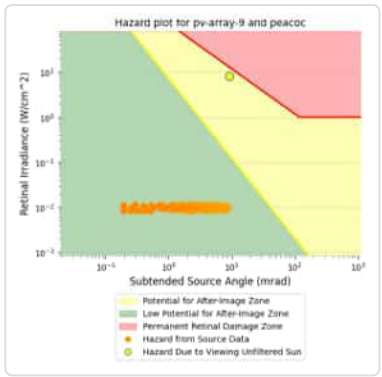
PV array 9: Peacocks Farm RWY 06

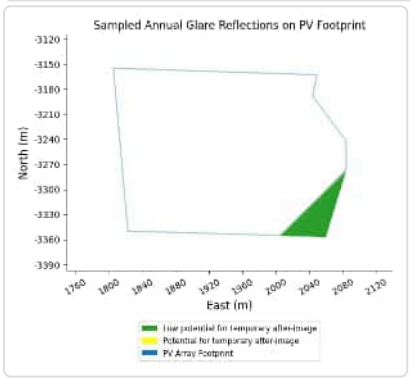
PV array is expected to produce the following glare for this receptor:

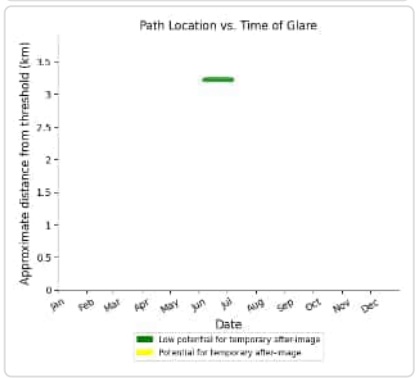
- 359 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

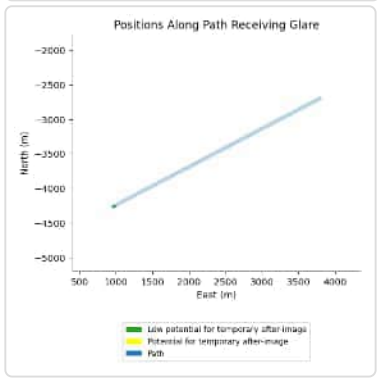








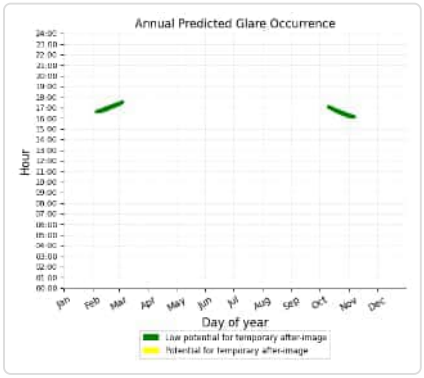


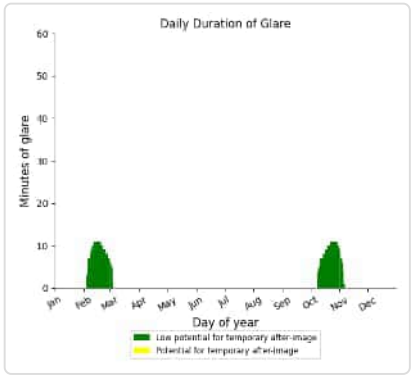


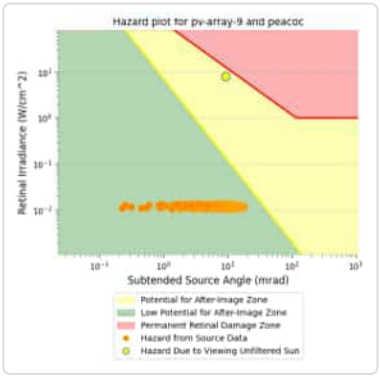
PV array 9: Peacocks Farm RWY 24

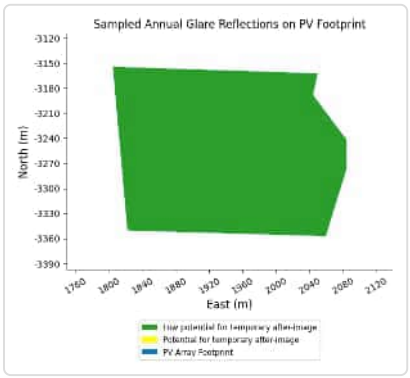
PV array is expected to produce the following glare for this receptor:

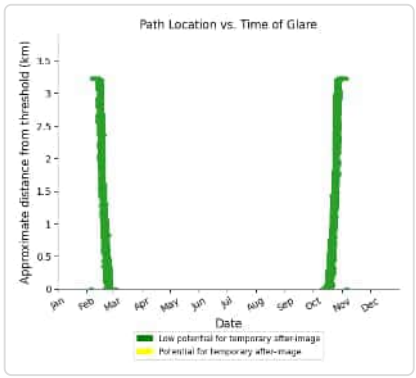
- 485 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

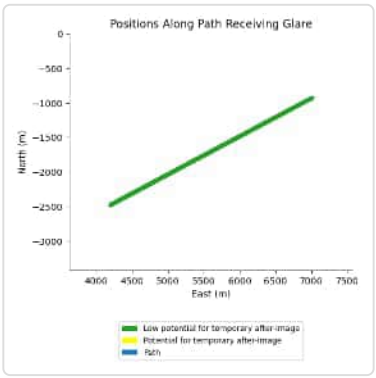












PV array 9: RAF Waddington RWY 02

No glare found

PV array 9: RAF Waddington RWY 20

No glare found

PV array 9: South Hykeham RWY 10

No glare found

PV array 9: South Hykeham RWY 13

No glare found

PV array 9: South Hykeham RWY 28

No glare found

PV array 9: South Hykeham RWY 31

No glare found

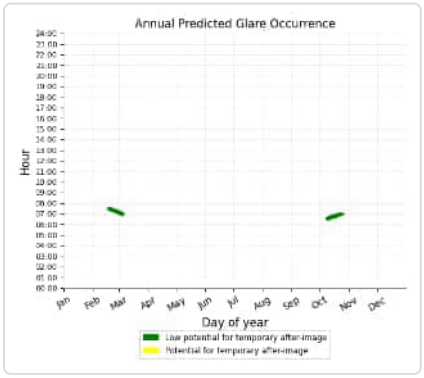
PV array 9: South Scarle RW 28

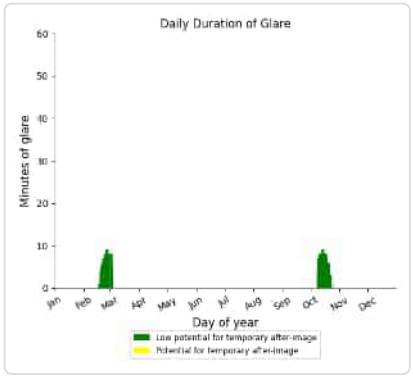
No glare found

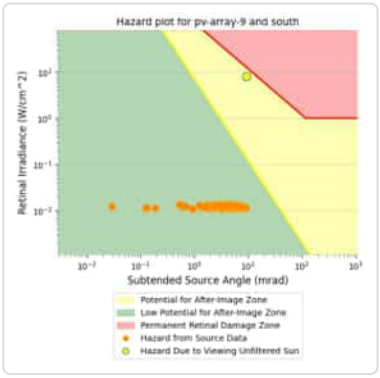
PV array 9: South Scarle RWY 10

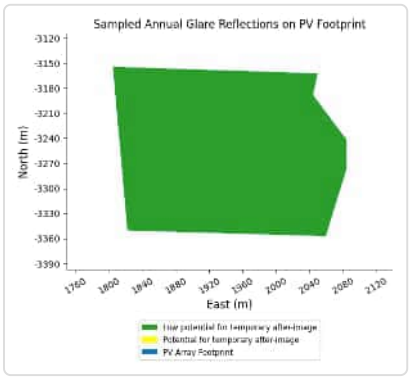
PV array is expected to produce the following glare for this receptor:

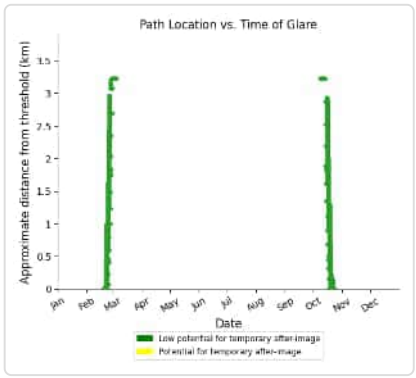
- 223 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.

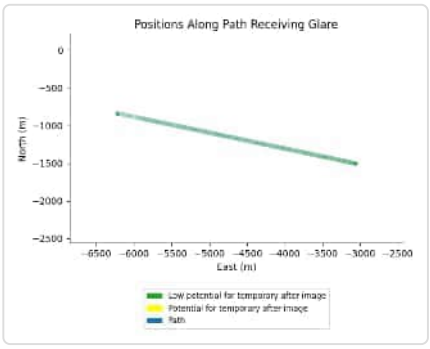












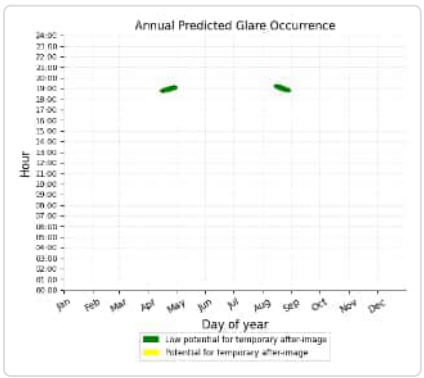
PV array 9: 1-ATCT

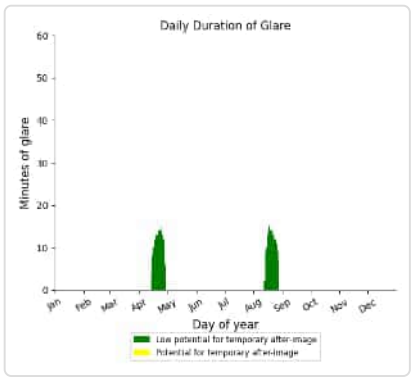
No glare found

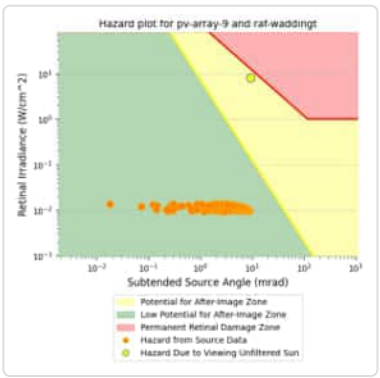
PV array 9: RAF Waddington Circuit Path East

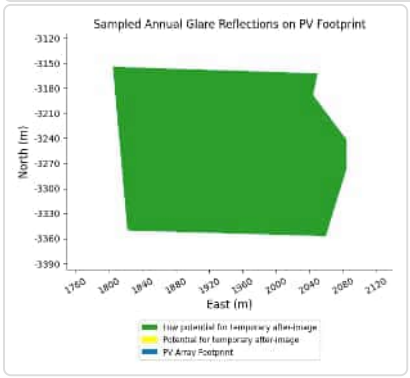
PV array is expected to produce the following glare for this receptor:

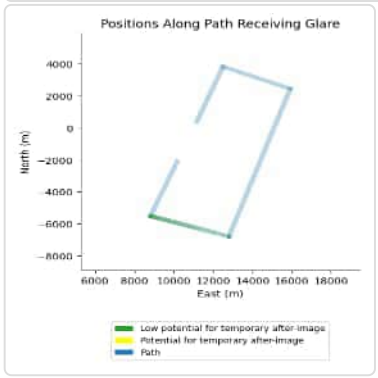
- 364 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.







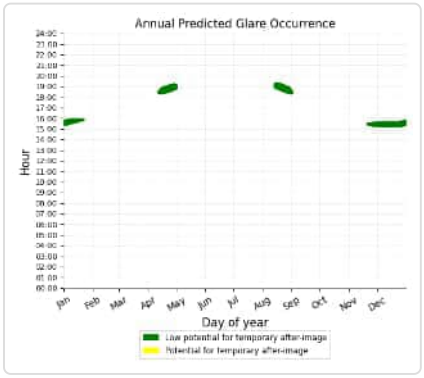


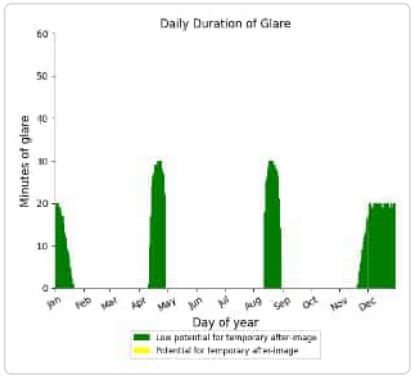


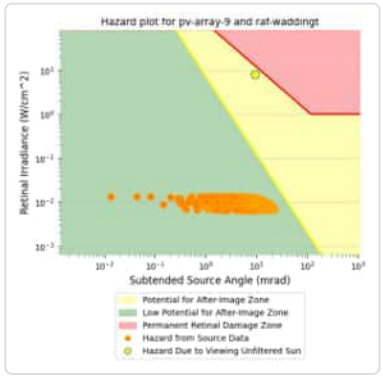
PV array 9: RAF Waddington Circuit Path West

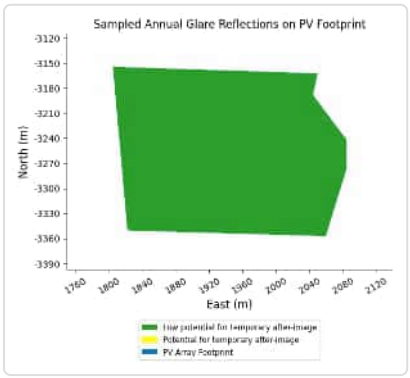
PV array is expected to produce the following glare for this receptor:

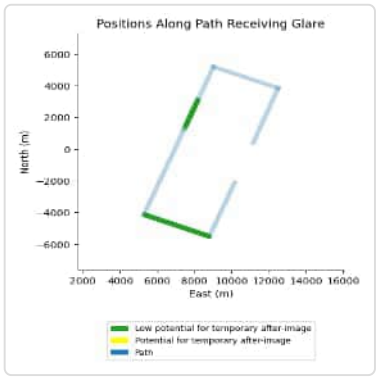
- 1,937 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.











Summary of Vertical Surface Glare Analysis

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not automatically 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.
- Refer to the [redacted] for detailed assumptions and limitations not listed here.

Appendix Q: Visibility Assessment Evidence

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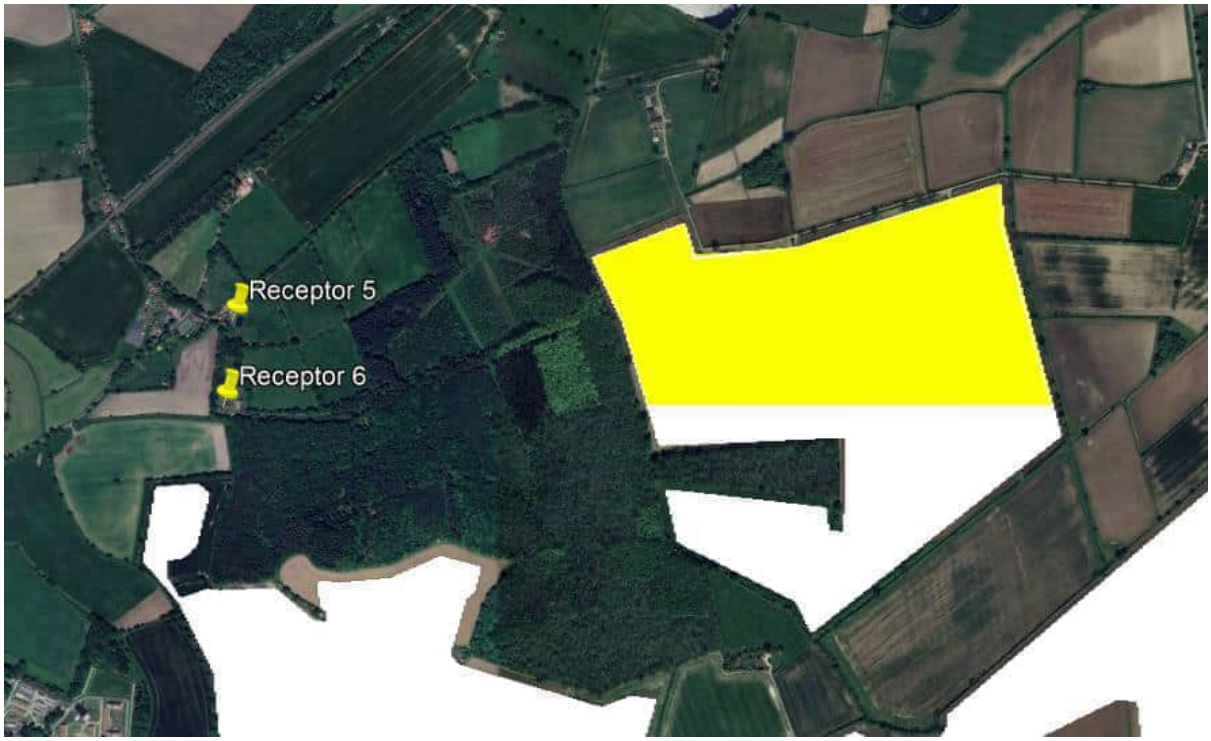
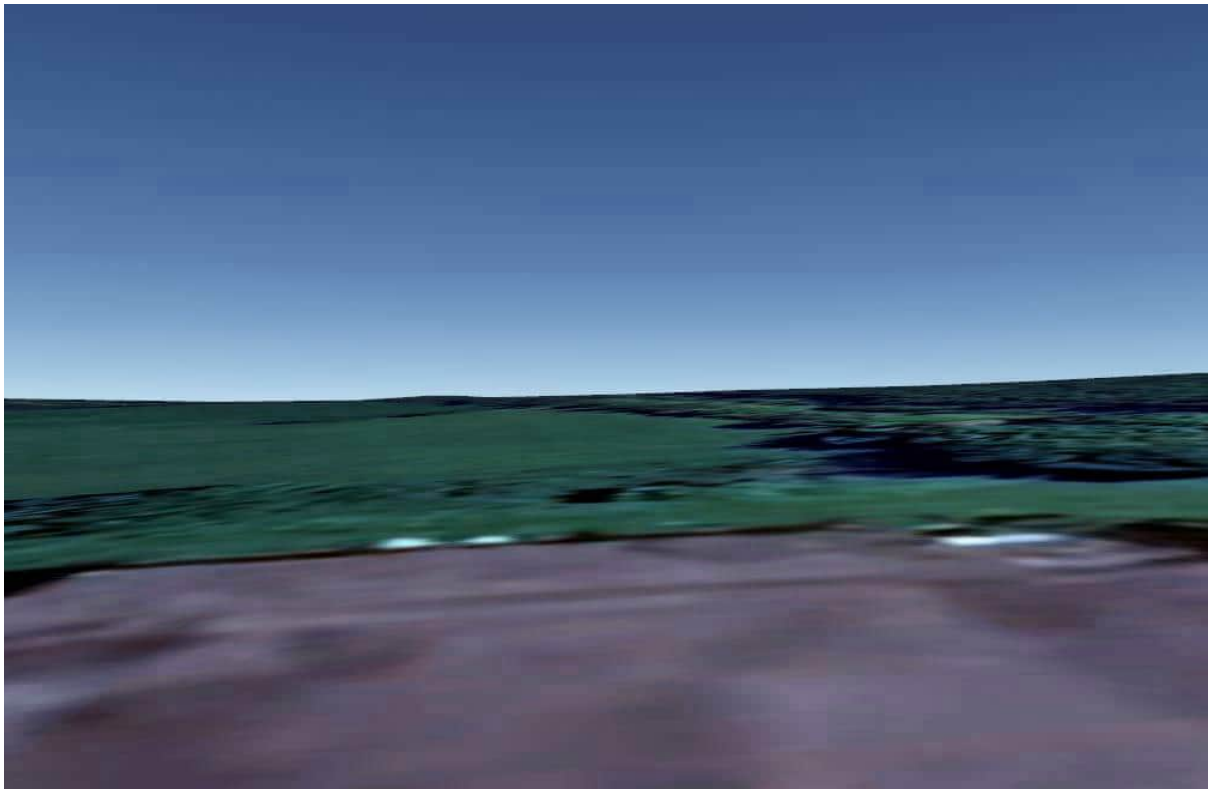
Residential Receptors

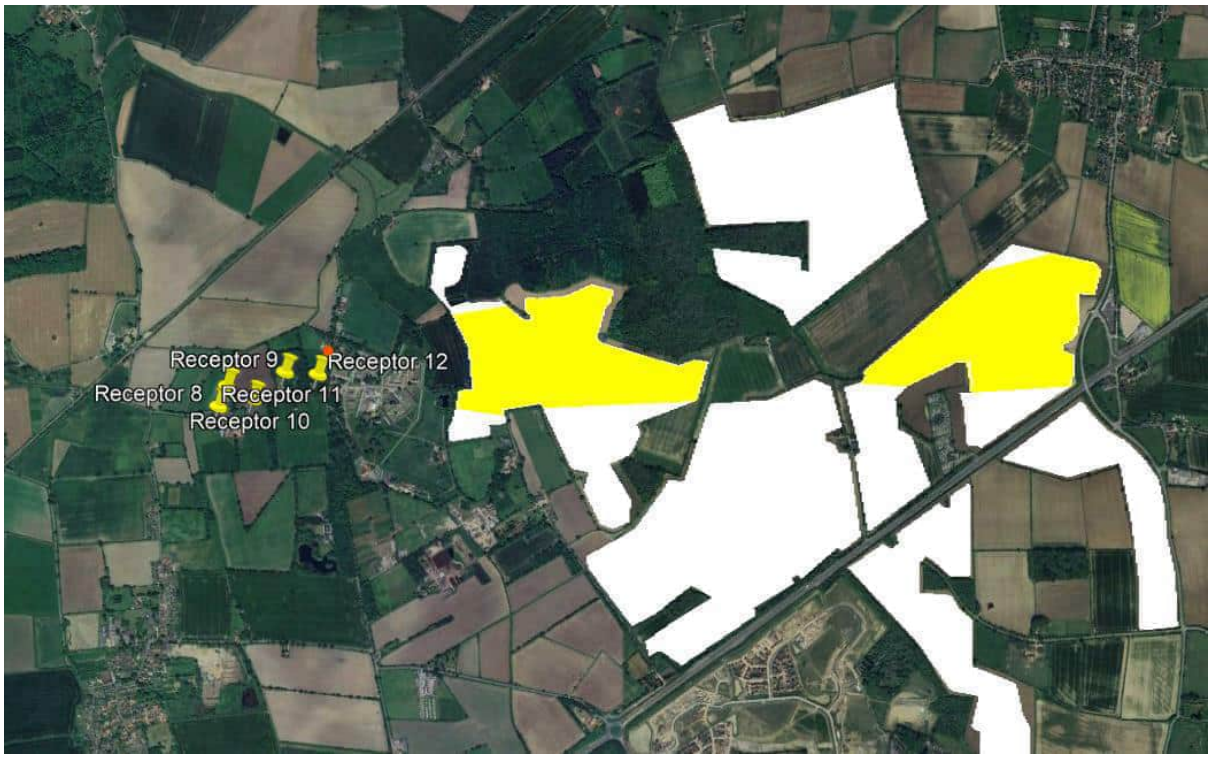
Receptors 5 and 6 (Group A Receptors 5 and 6)





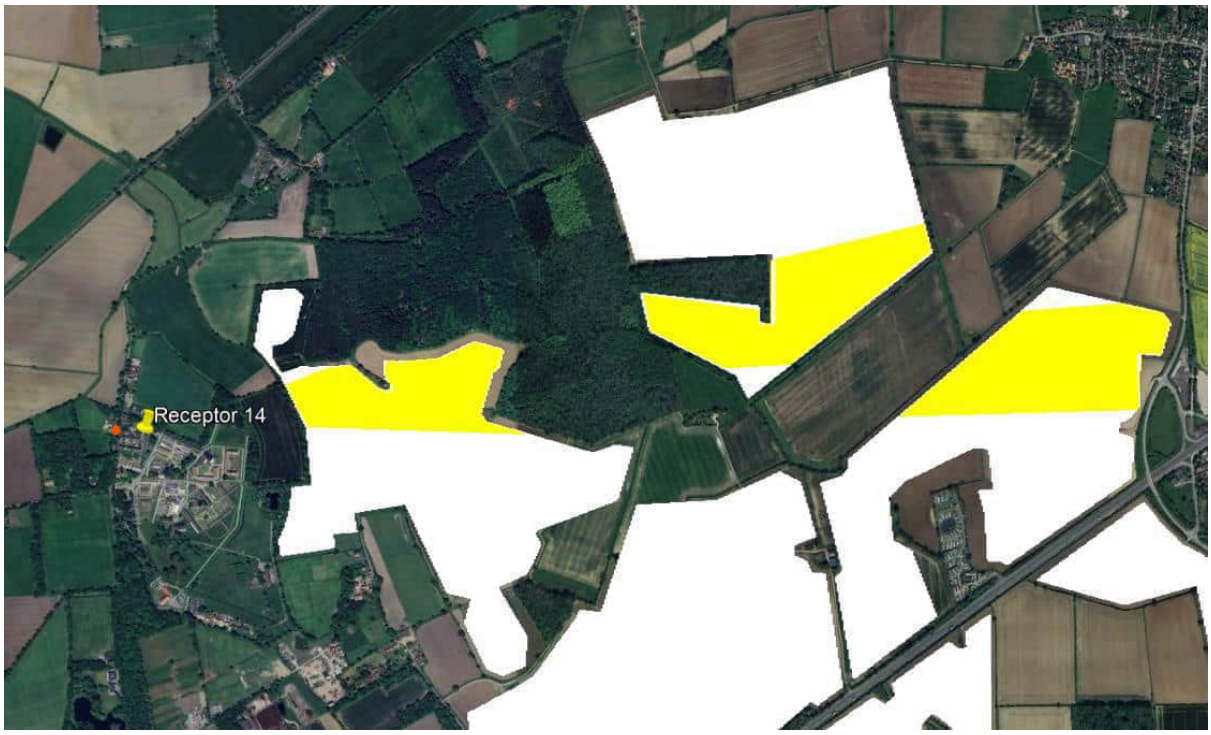
Receptor 7 (Group A Receptor 7)

Receptors 8 – 12 (Group A Receptors 8 – 12)



Receptor 13 (Group A Receptor 13)

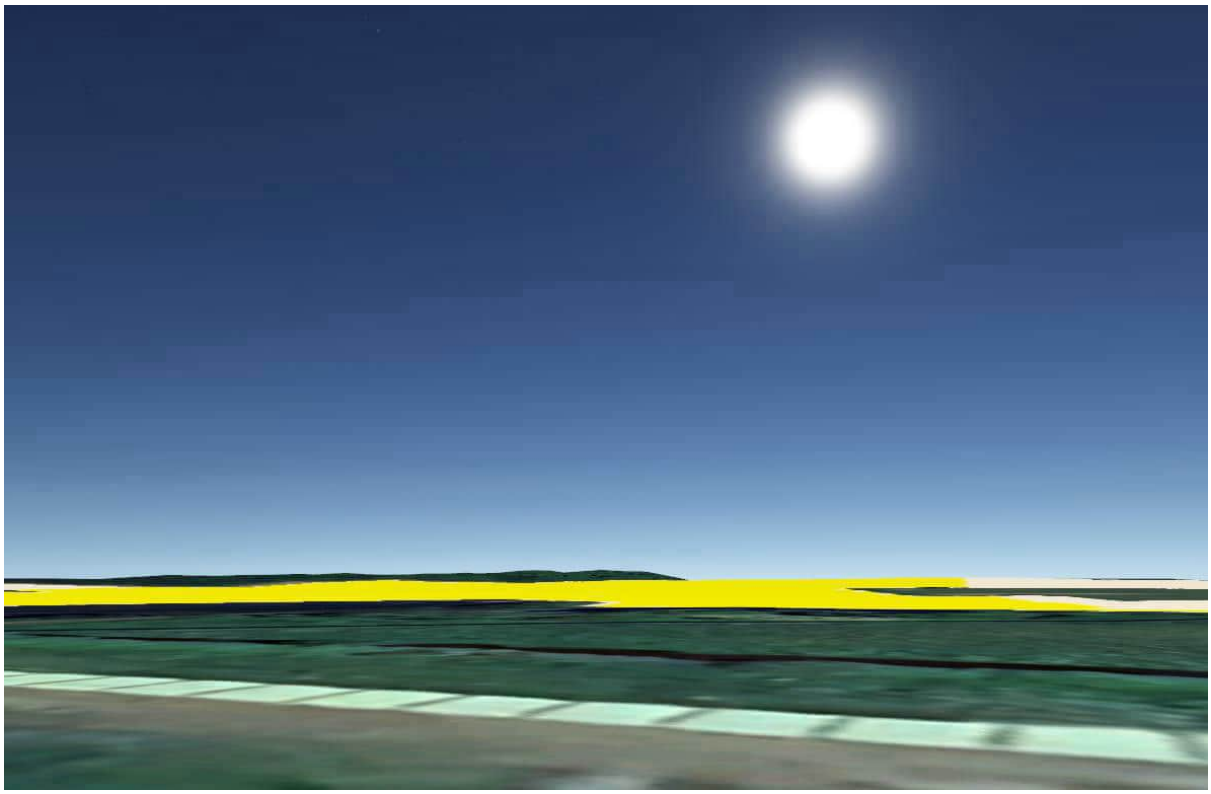
Receptor 14 (Group A Receptor 14)



Receptors 15 – 17 (Group A Receptors 15 – 17)

March 20th 06:45 UTC

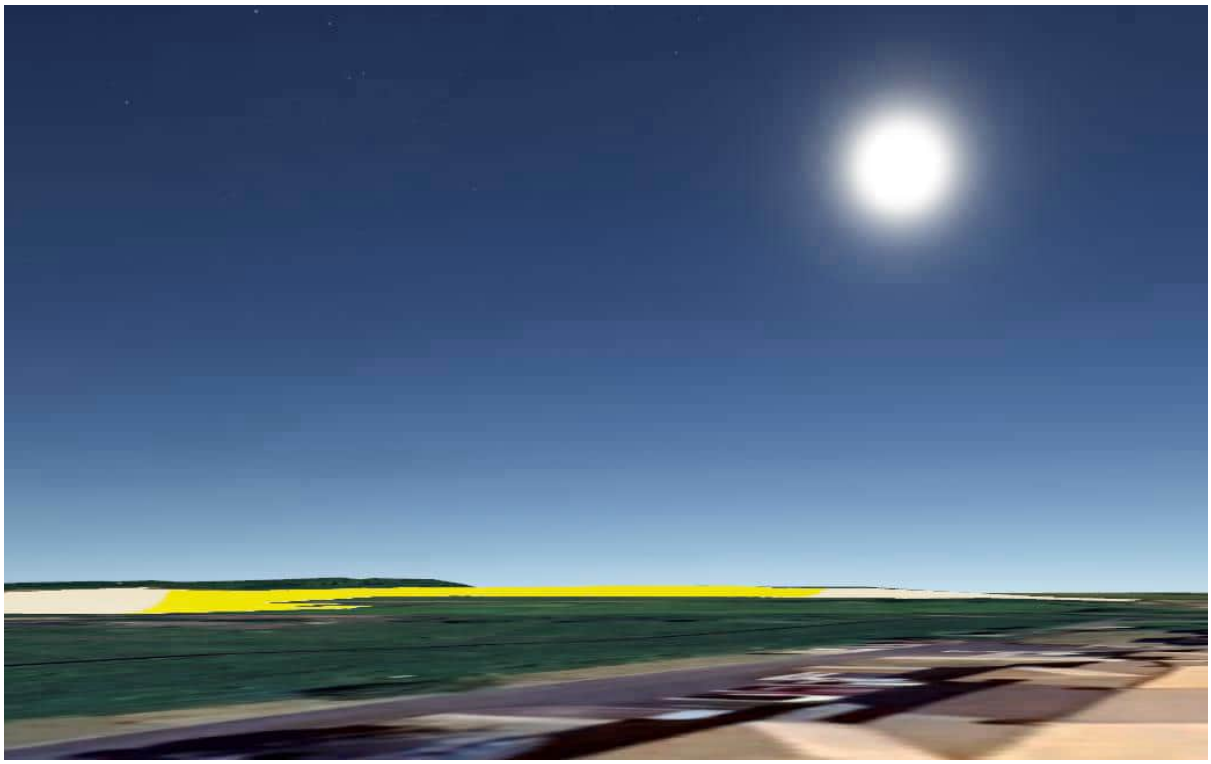
June 1st 07:15 UTC



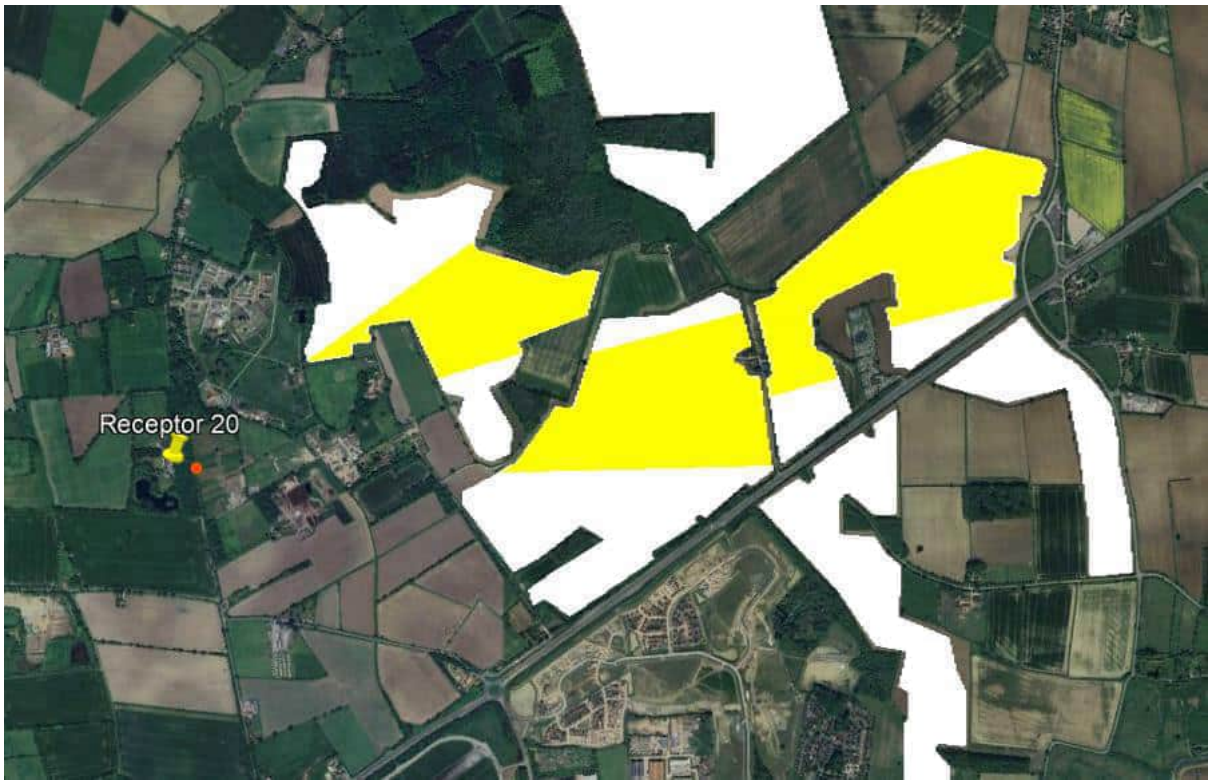
Receptors 18 and 19 (Group A Receptors 18 and 19)

April 10th 06:45 UTC

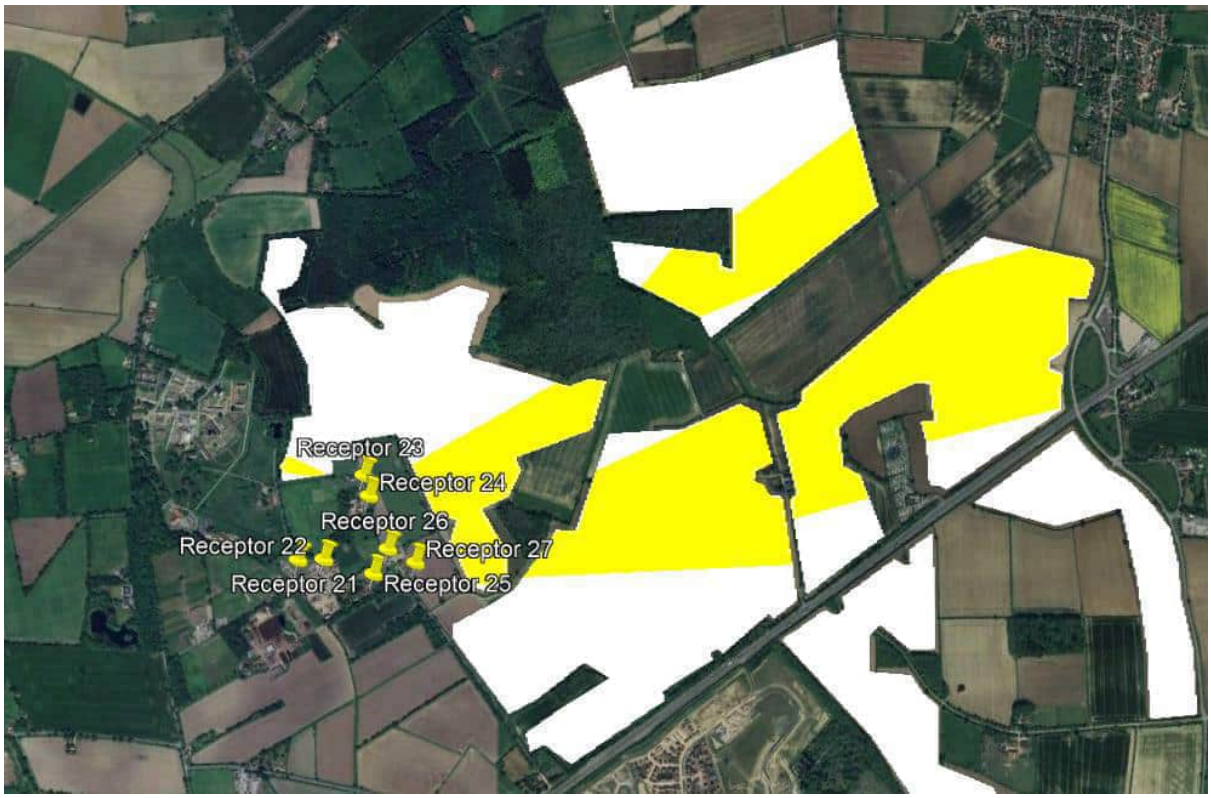
May 15th 07:00 UTC



Receptor 20 (Group A Receptor 20)

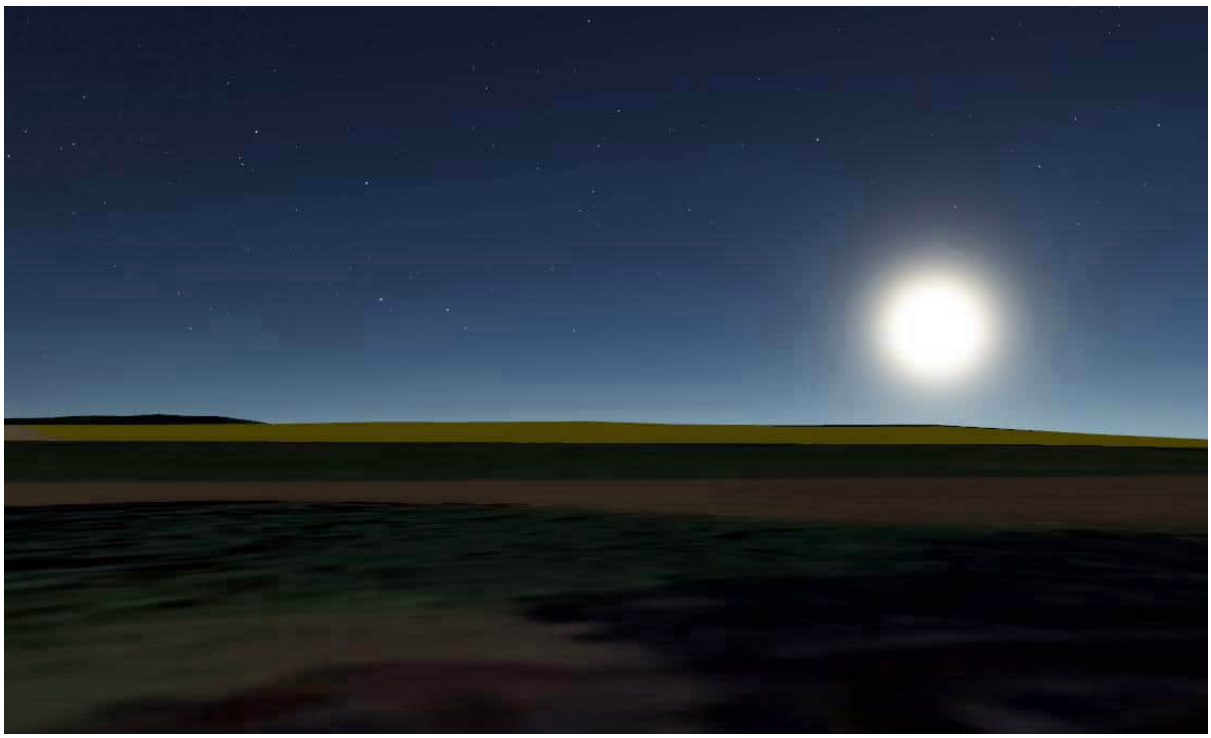


Receptors 21 – 27 (Group A Receptors 21 – 27)

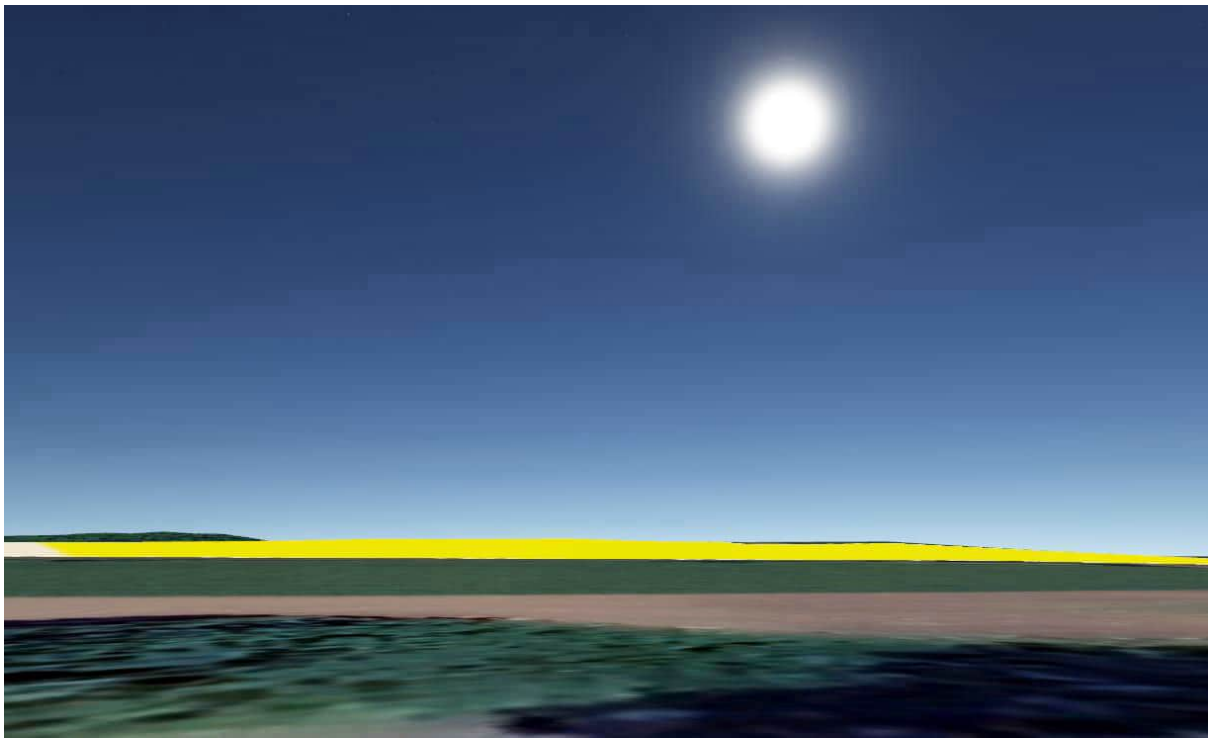


Looking East

March 25th 06:45 UTC

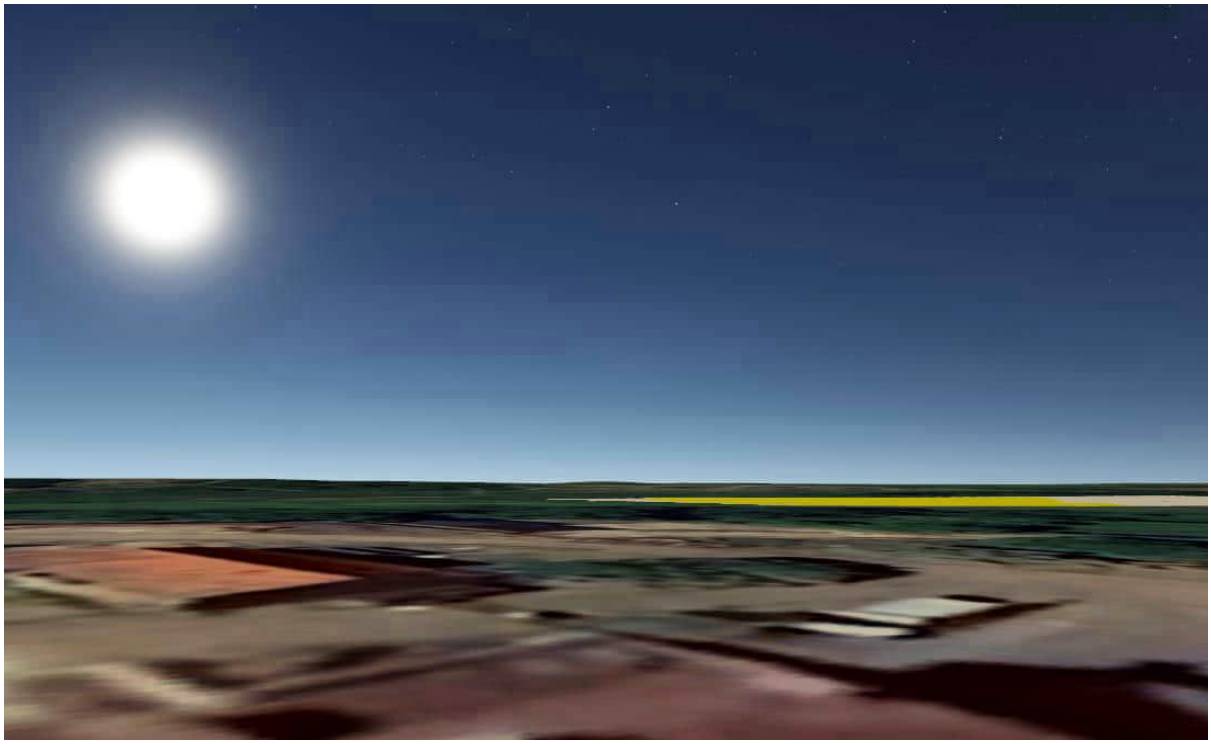


June 1st 07:15 UTC



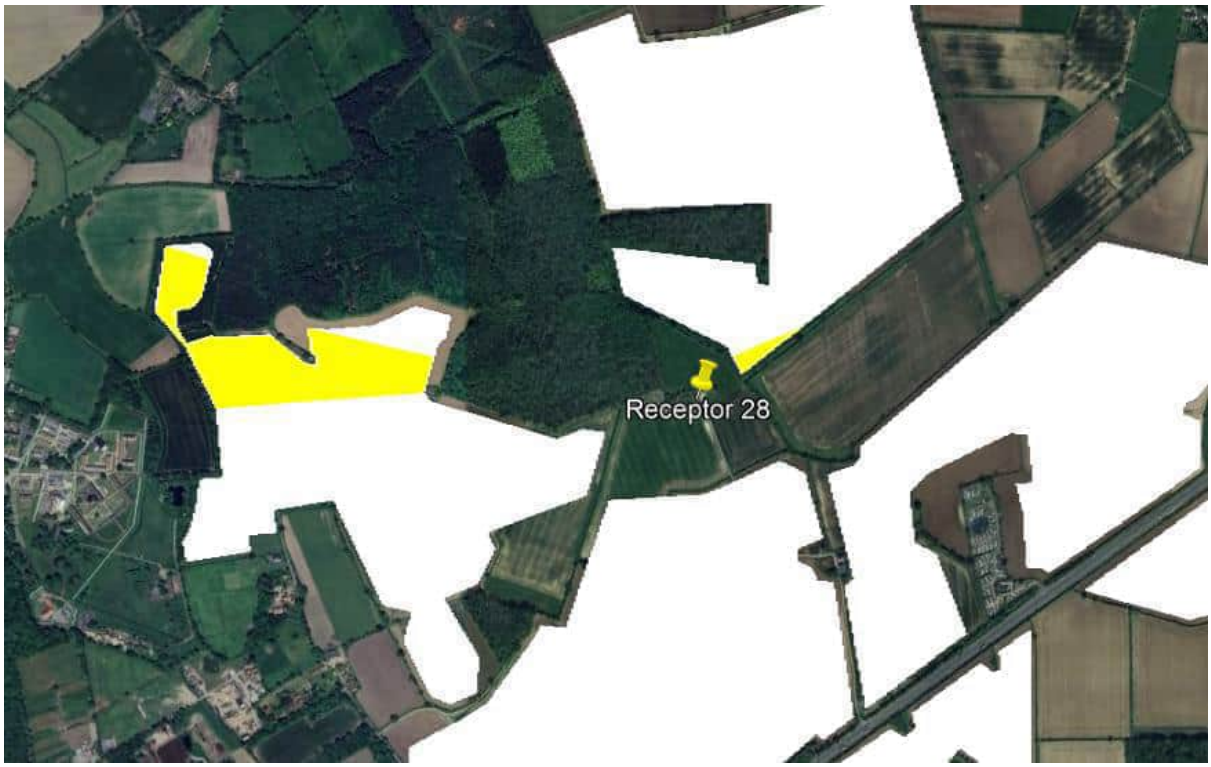
Looking West

April 15th 17:15 UTC



July 1st 19:00 UTC

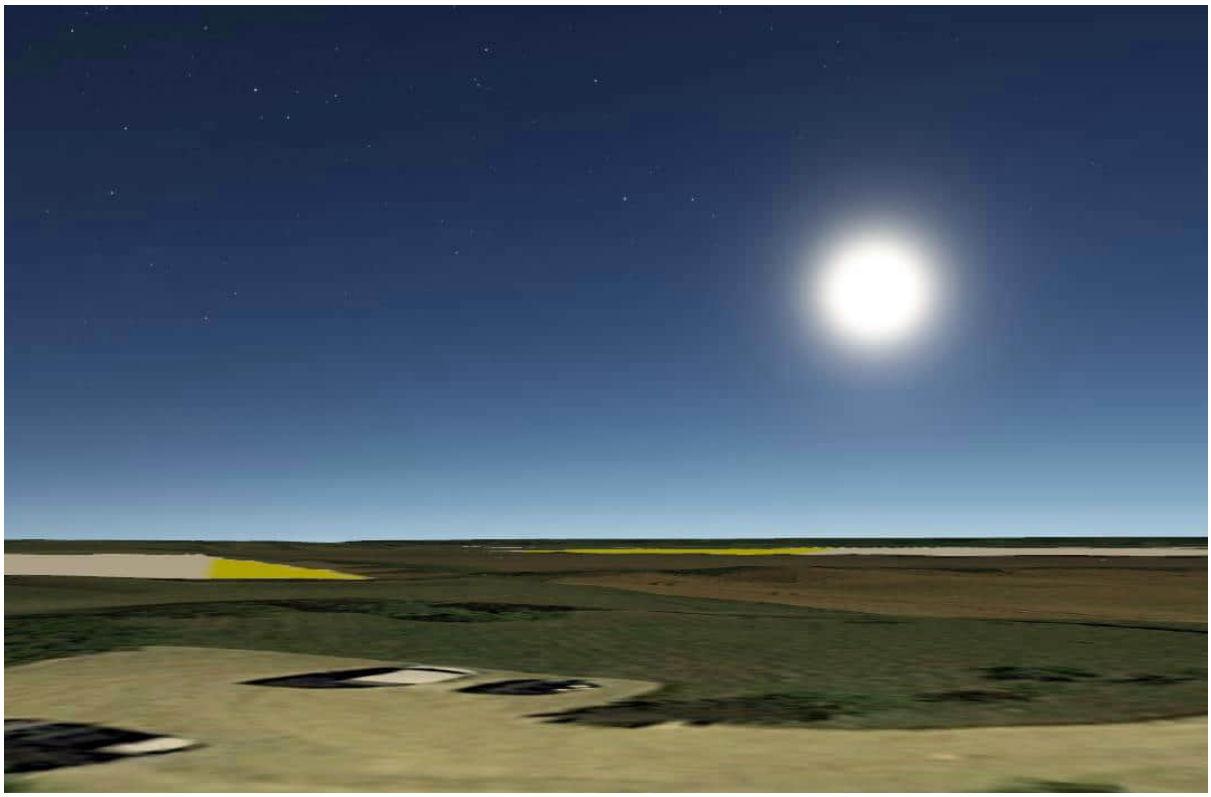
Receptor 28 (Group A Receptor 28)



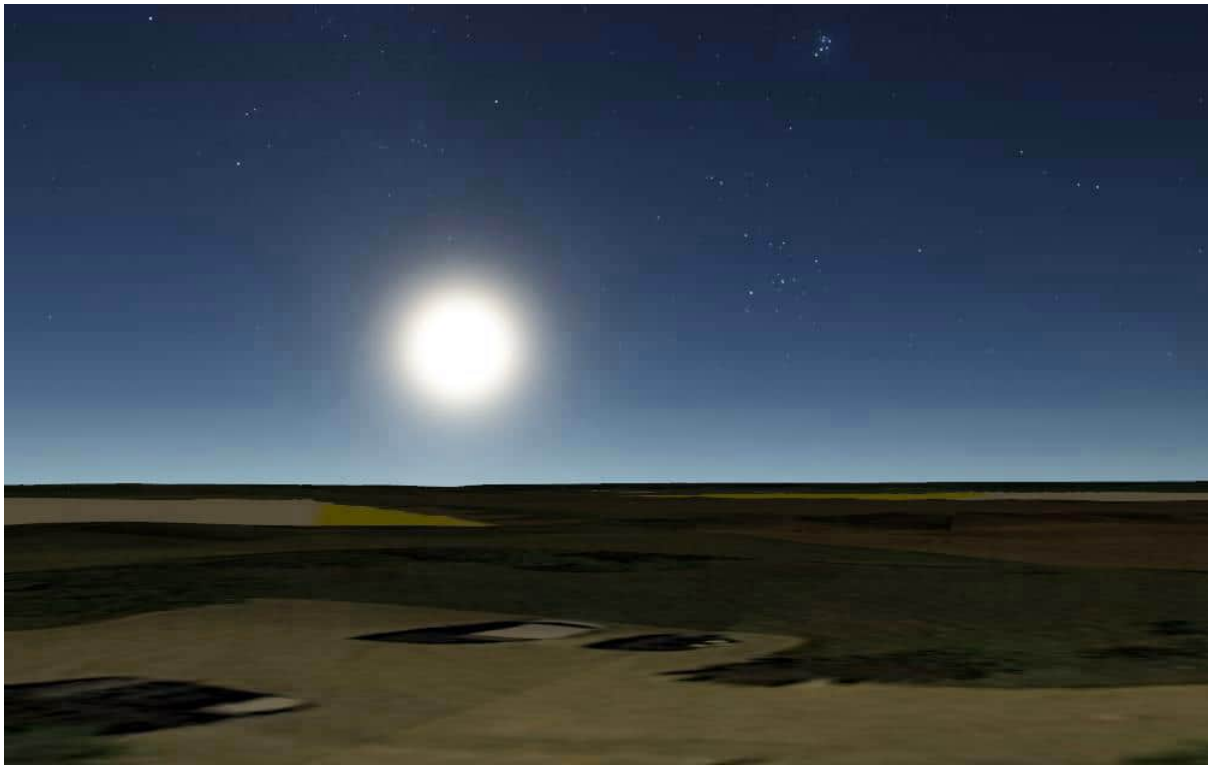
Looking East

March 15th 06:30 UTC

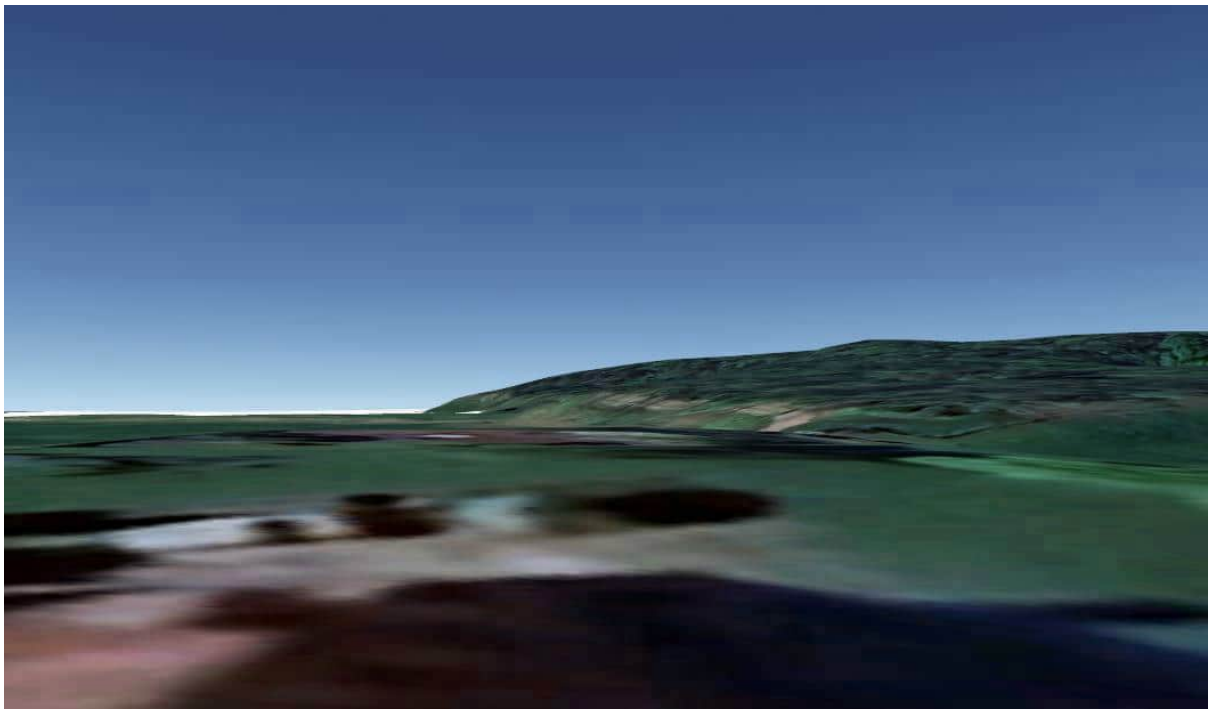
April 15th 06:45 UTC



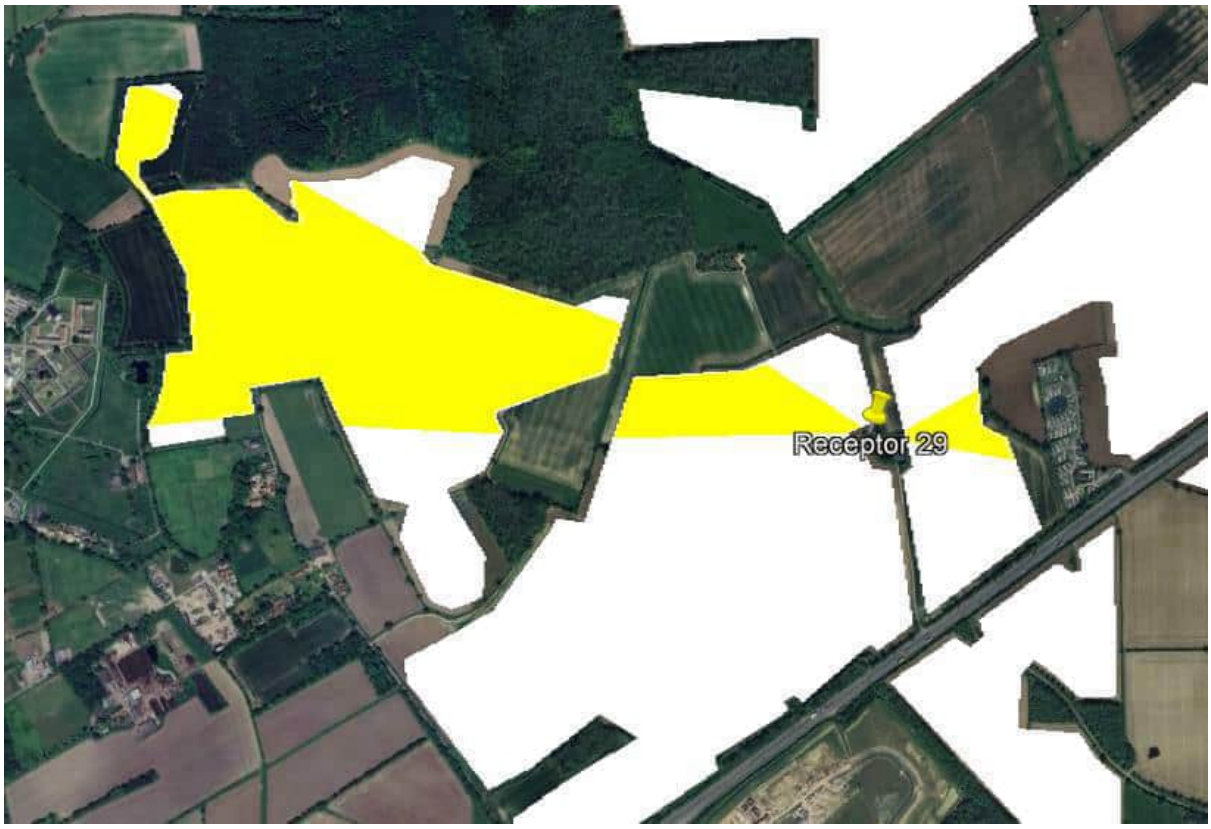
June 15th 04:45 UTC



Looking West

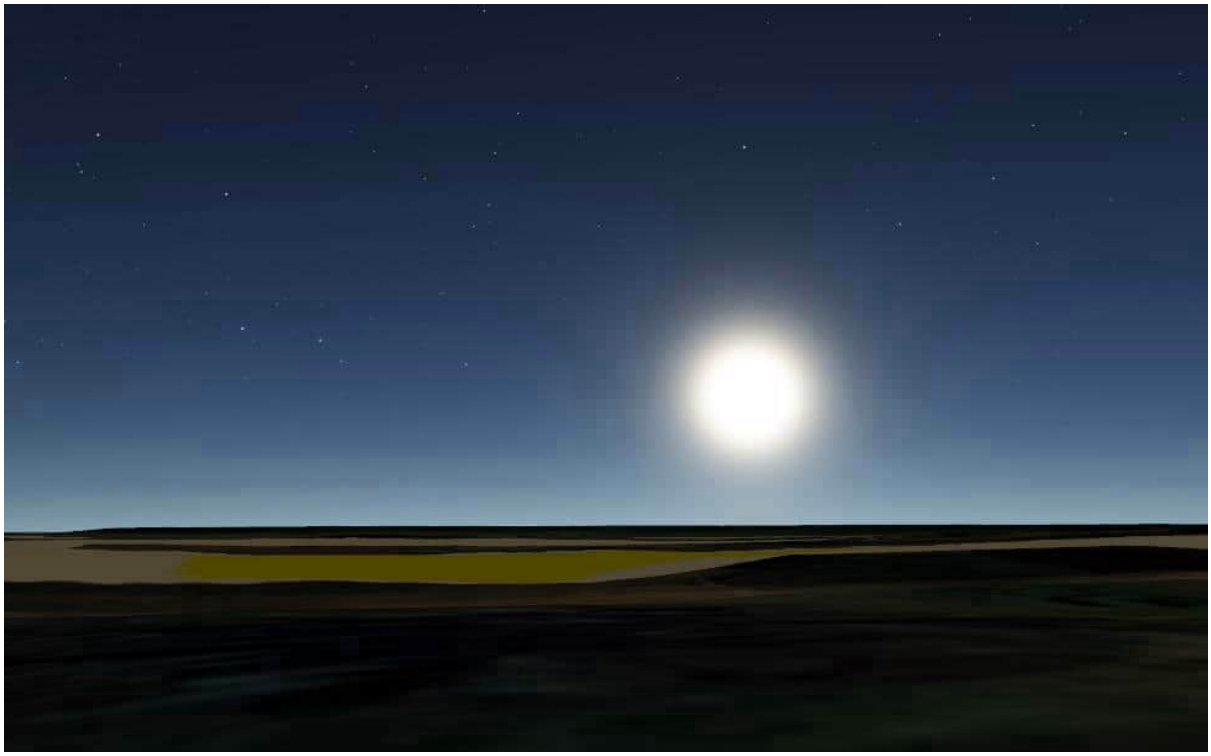


Receptor 29 (Group A Receptor 29)



Looking East

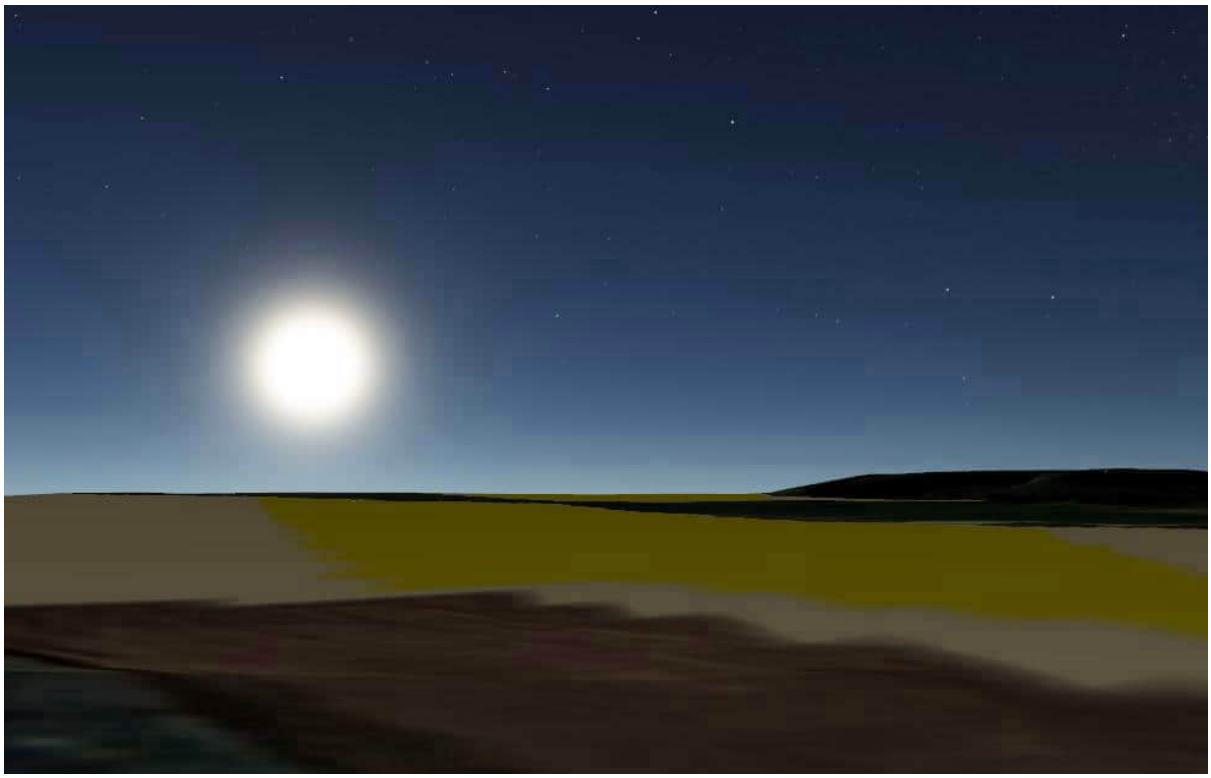
April 1st 06:30 UTC



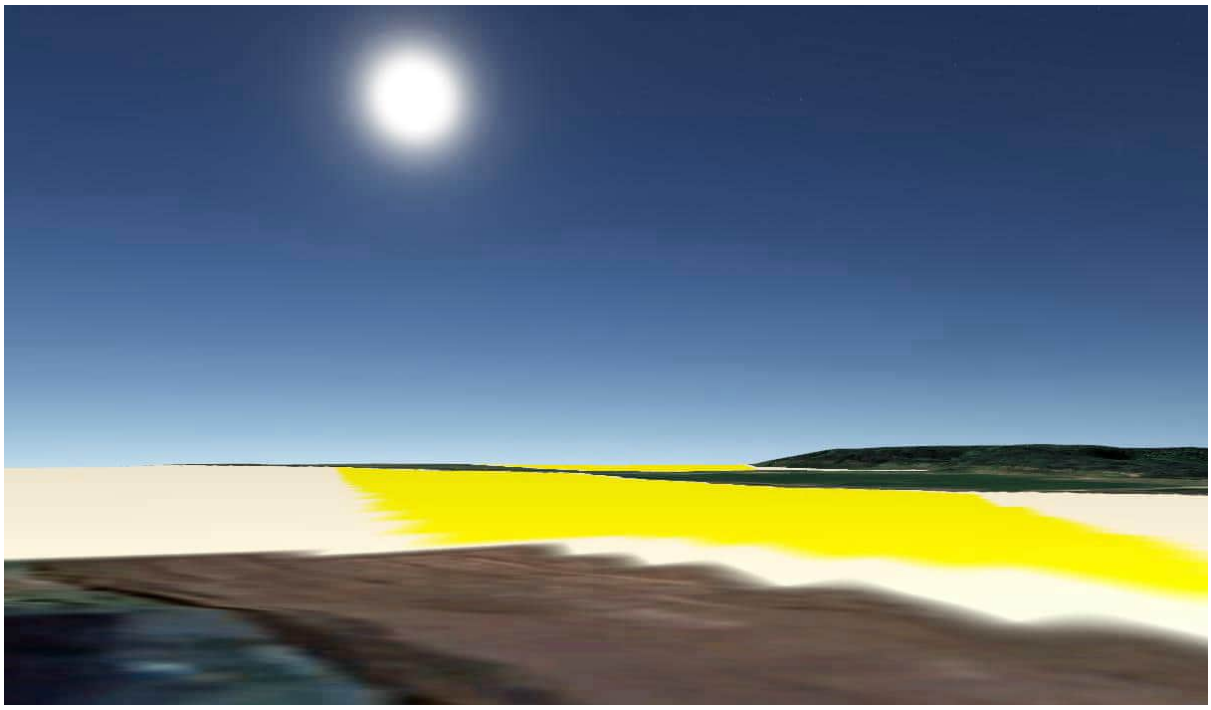
July 1st 06:45 UTC

Looking West

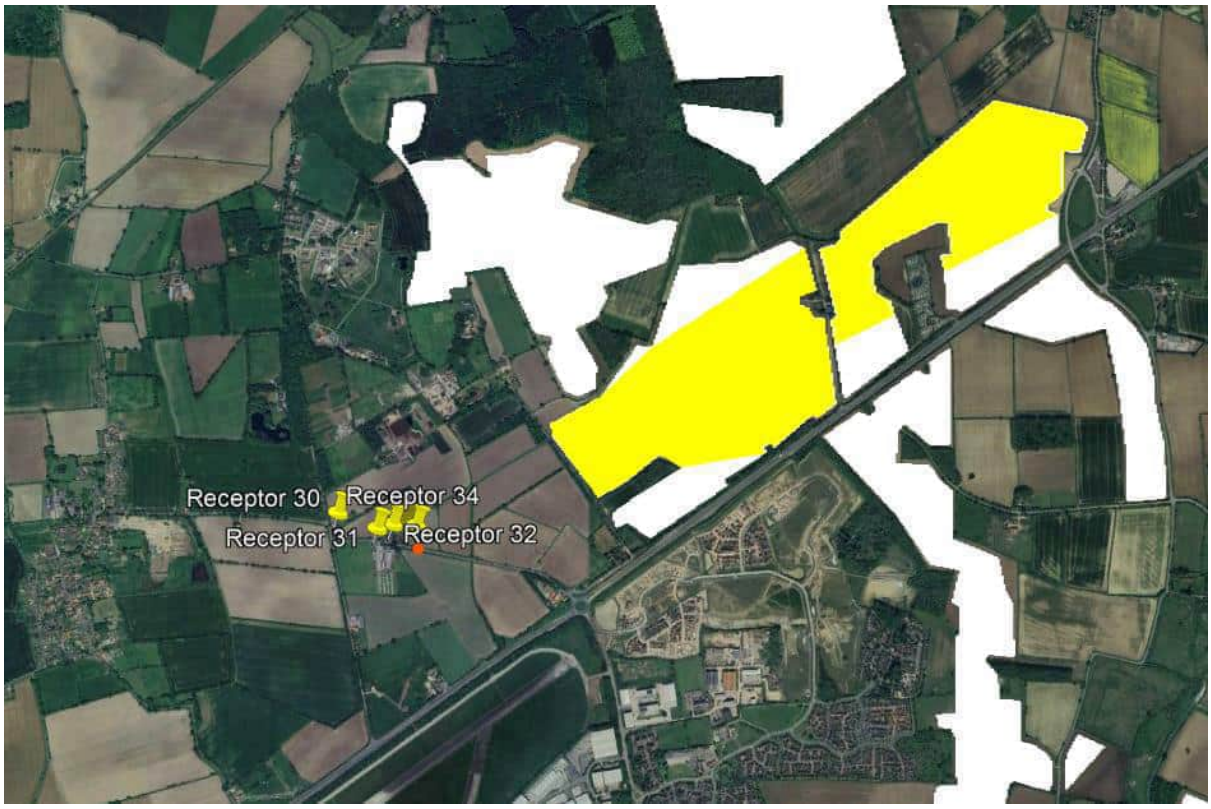
April 1st 17:45 UTC



May 15th 17:00 UTC



Receptors 30 – 34 (Group A Receptors 30 – 34)

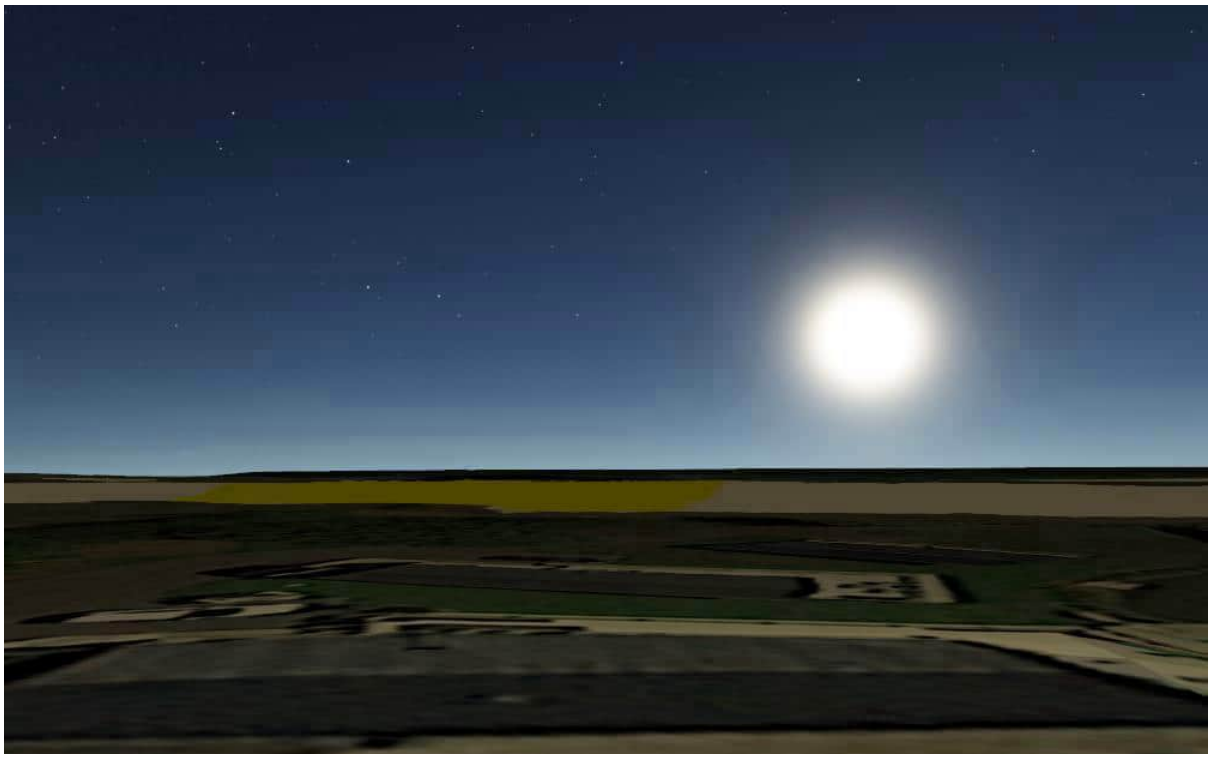


Receptor 37 (Group A Receptor 37)

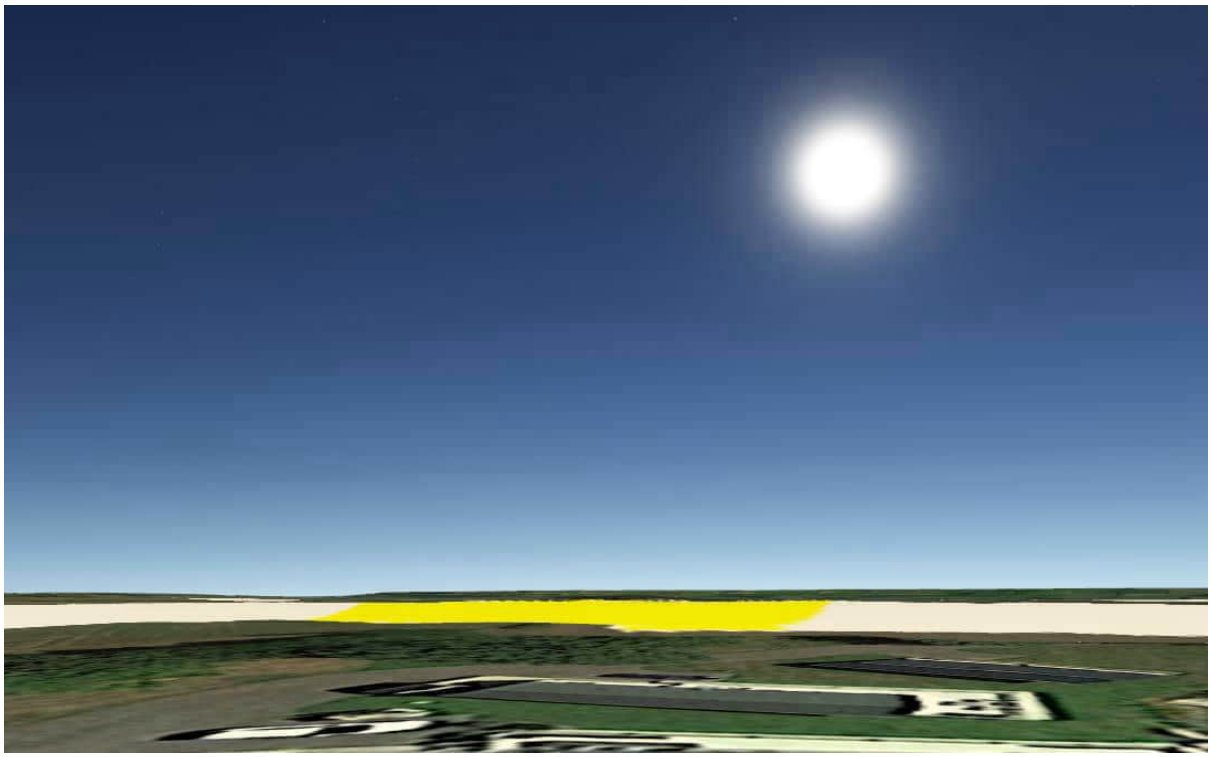
Receptor 38 (Group A Receptor 38)

Looking East

April 1st 06:30 UTC



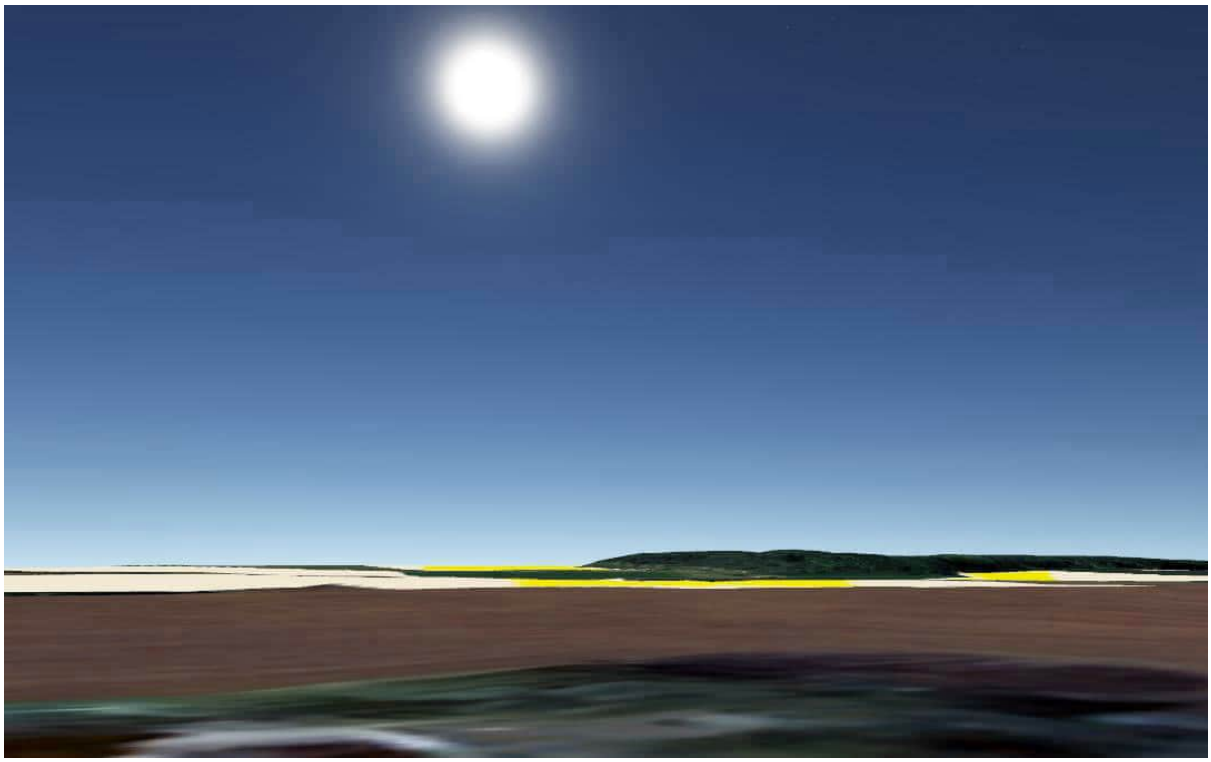
July 15th 07:00 UTC



Looking West

April 1st 17:45 UTC

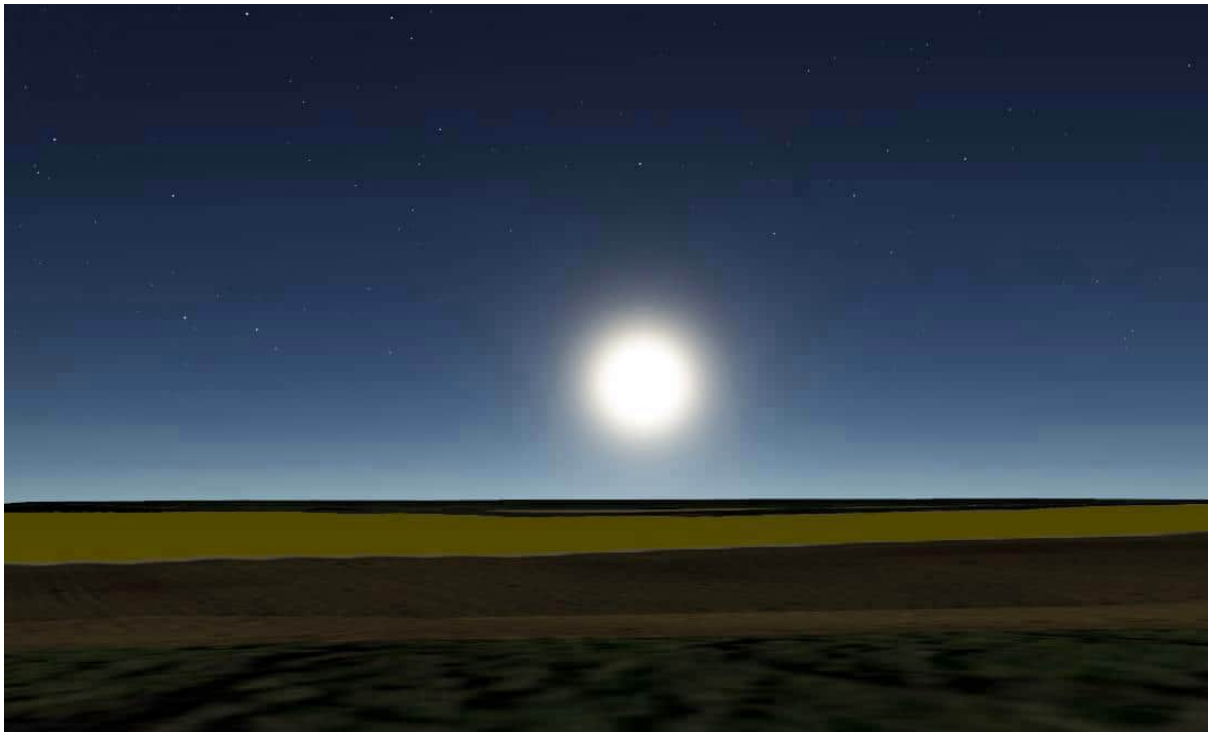
July 1st 17:00 UTC



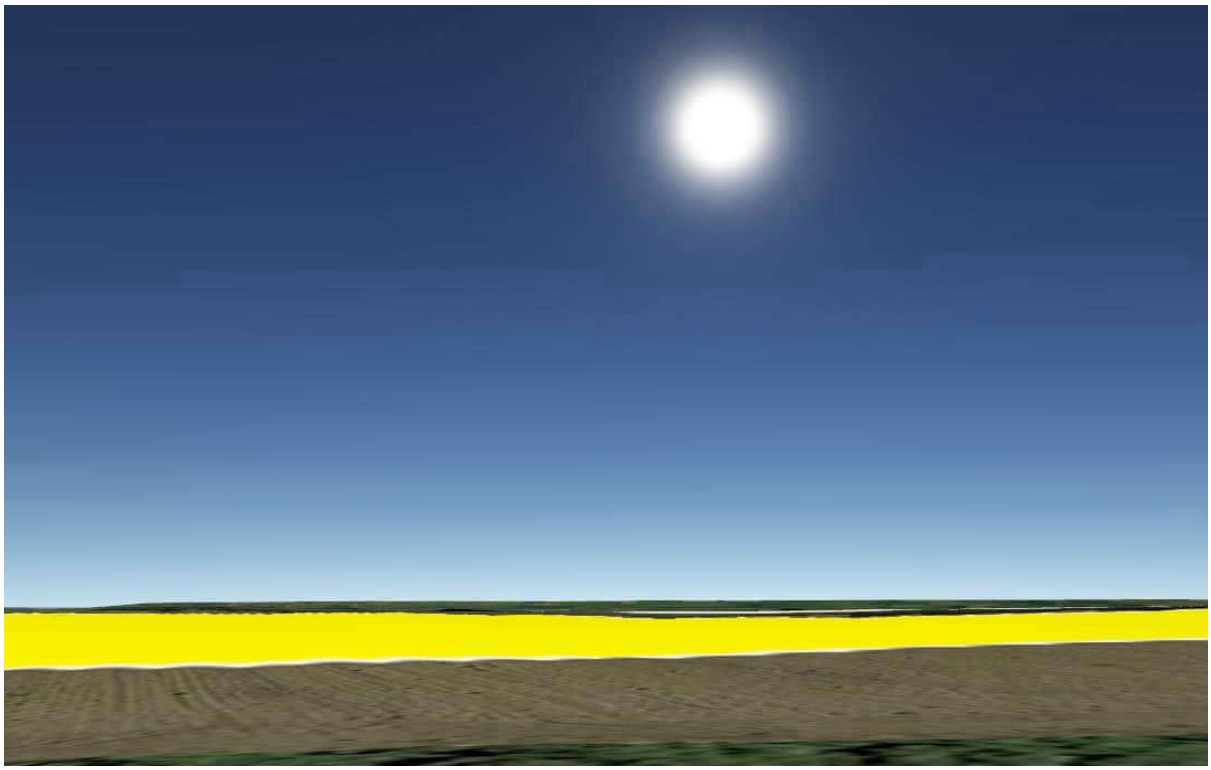
Receptors 39 and 40 (Group A Receptors 39 and 40)

Looking East

April 1st 06:30 UTC



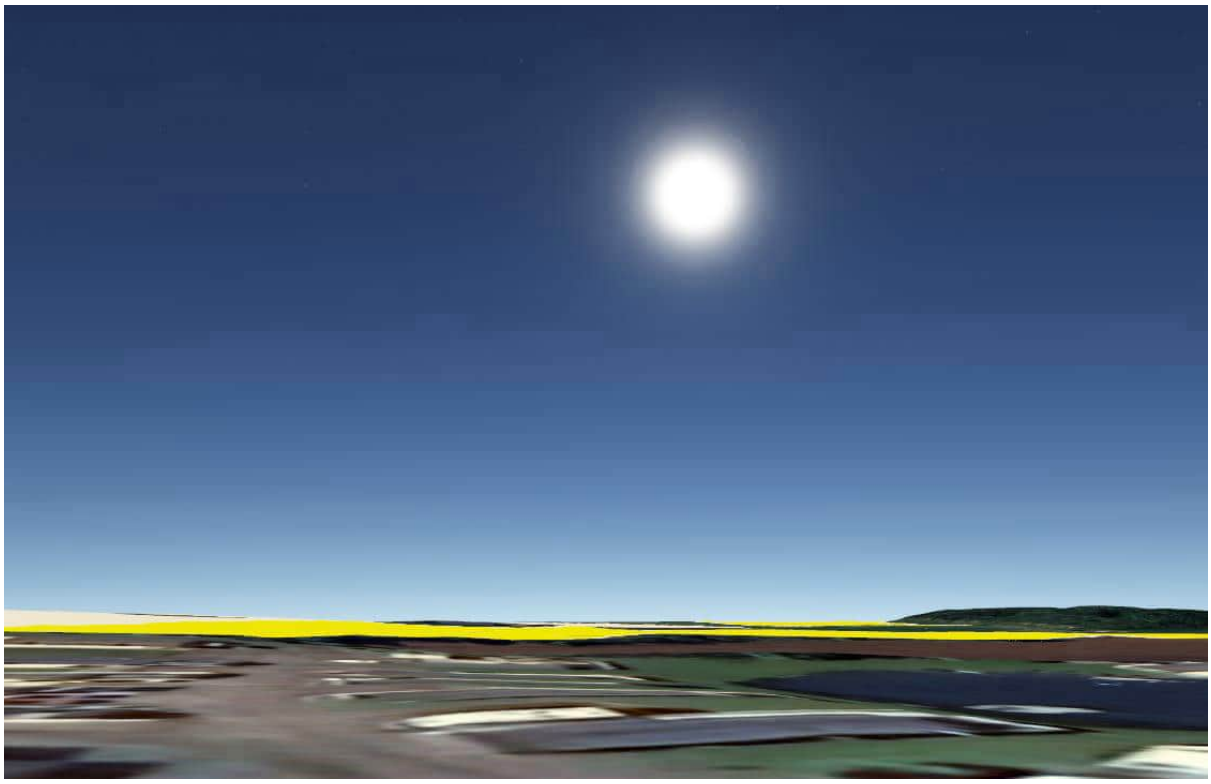
July 1st 07:15 UTC



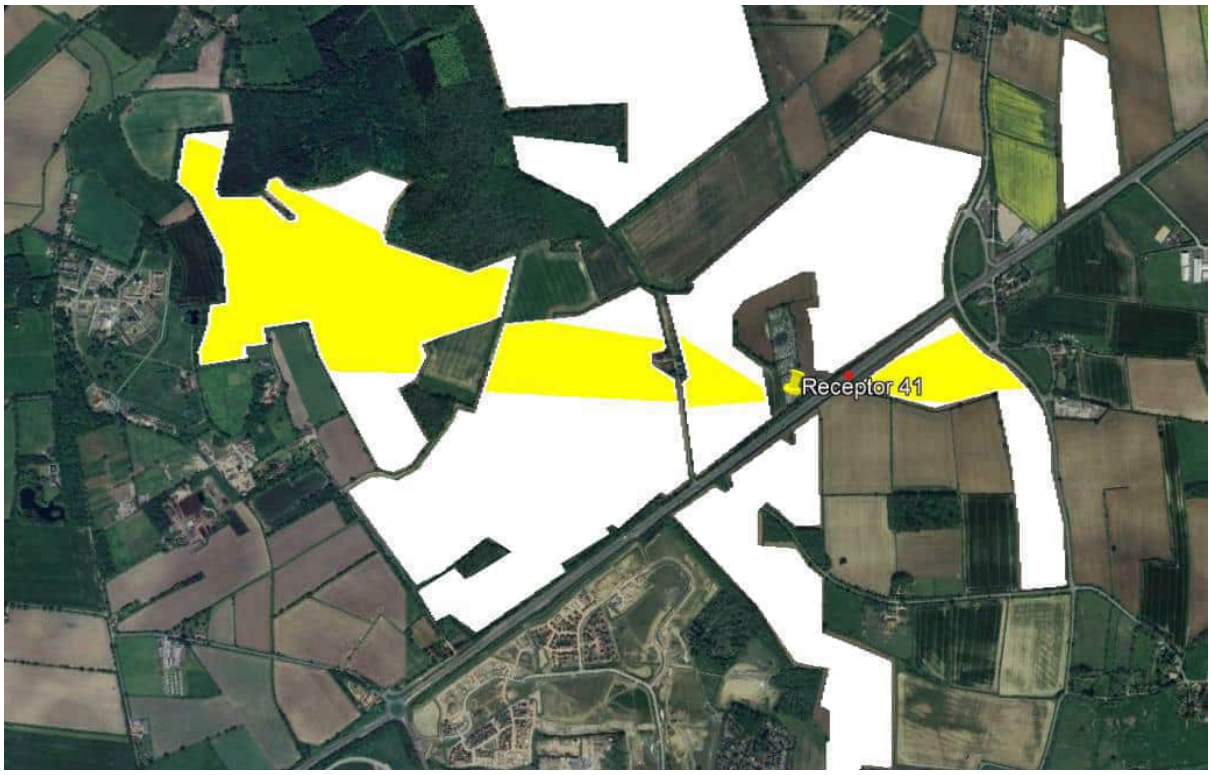
Looking West

April 1st 18:00 UTC

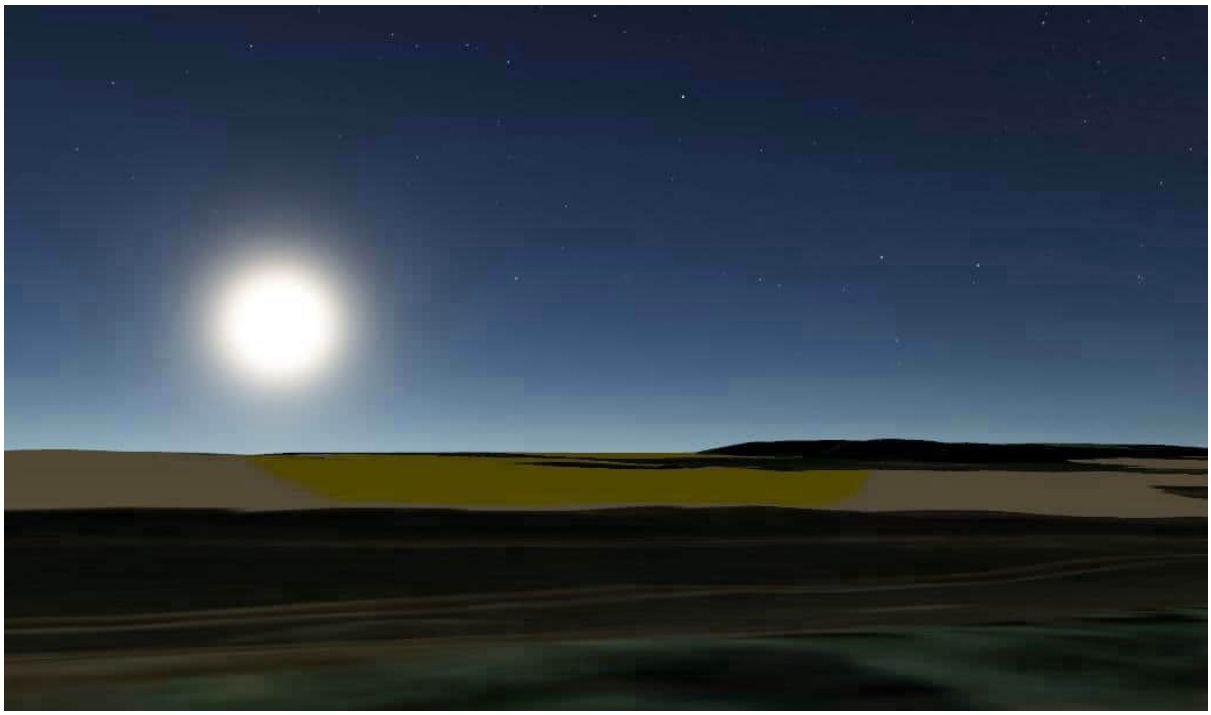
June 1st 17:00 UTC



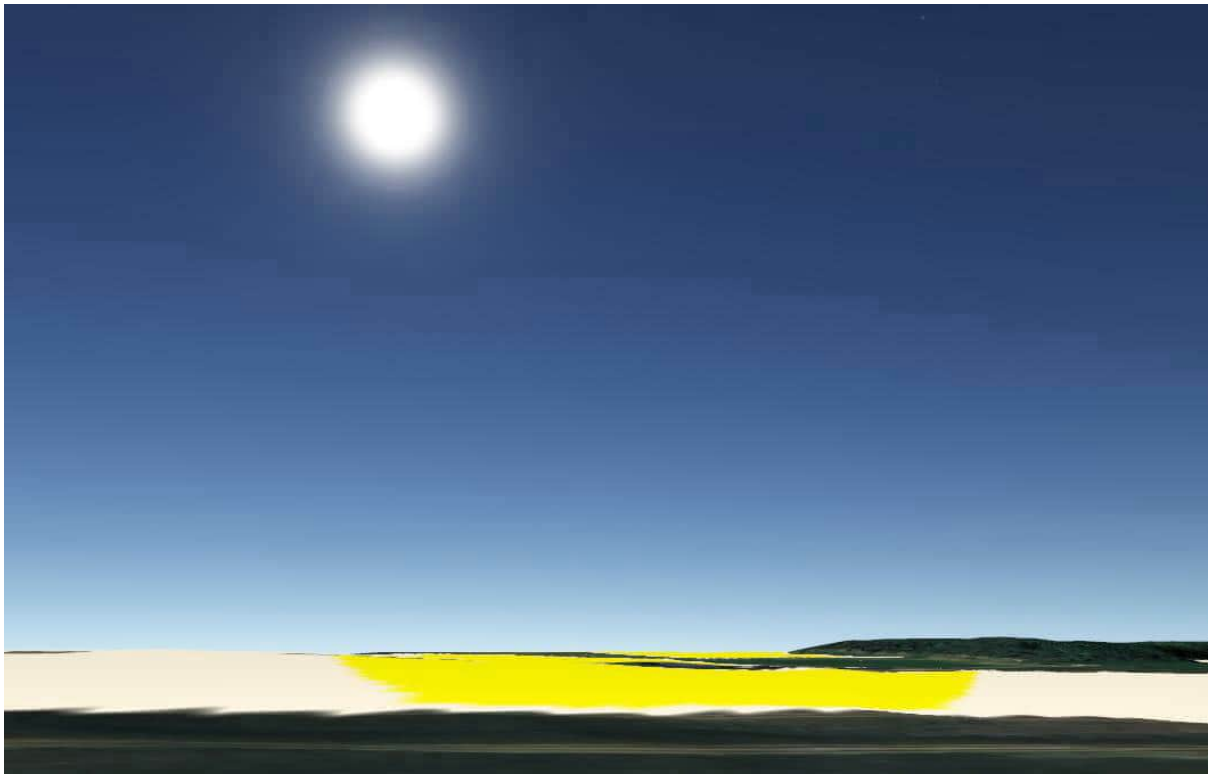
Receptor 41 (Group A Receptor 41)



April 1st 17:45 UTC

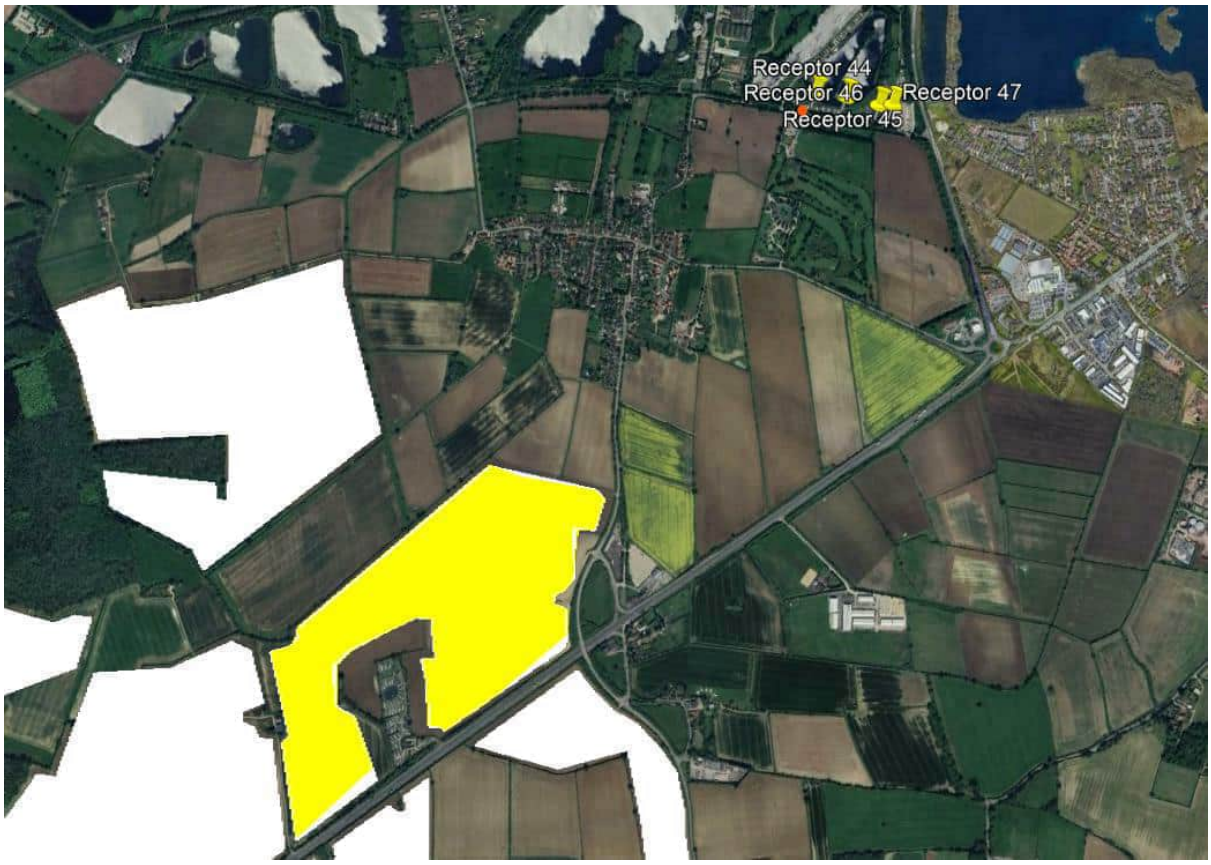


May 1st 17:00 UTC

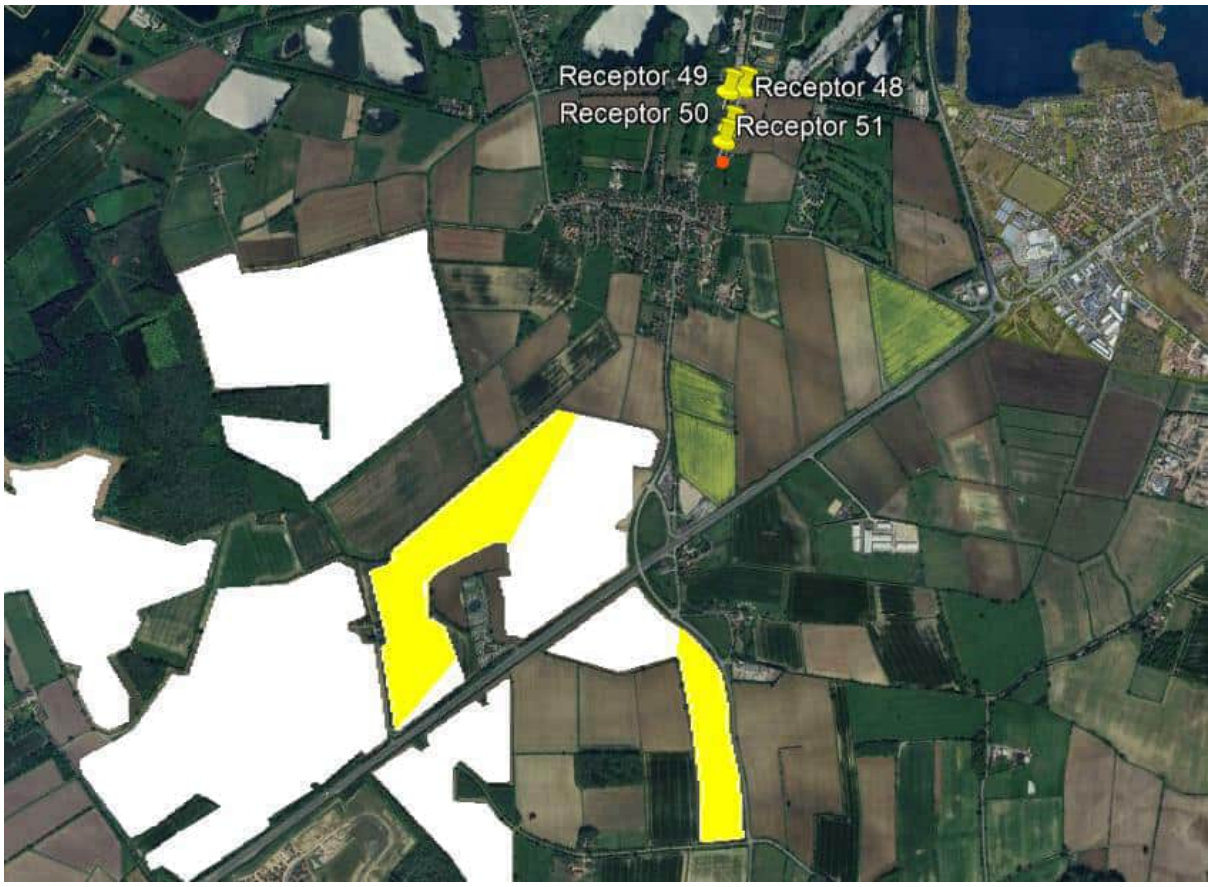


Receptors 42 and 43 (Group A Receptors 42 and 43)

Receptors 43 - 47 (Group A Receptors 43 - 47)



Receptors 48 – 51 (Group A Receptors 48 – 51)



Receptor 52 (Group A Receptor 52)

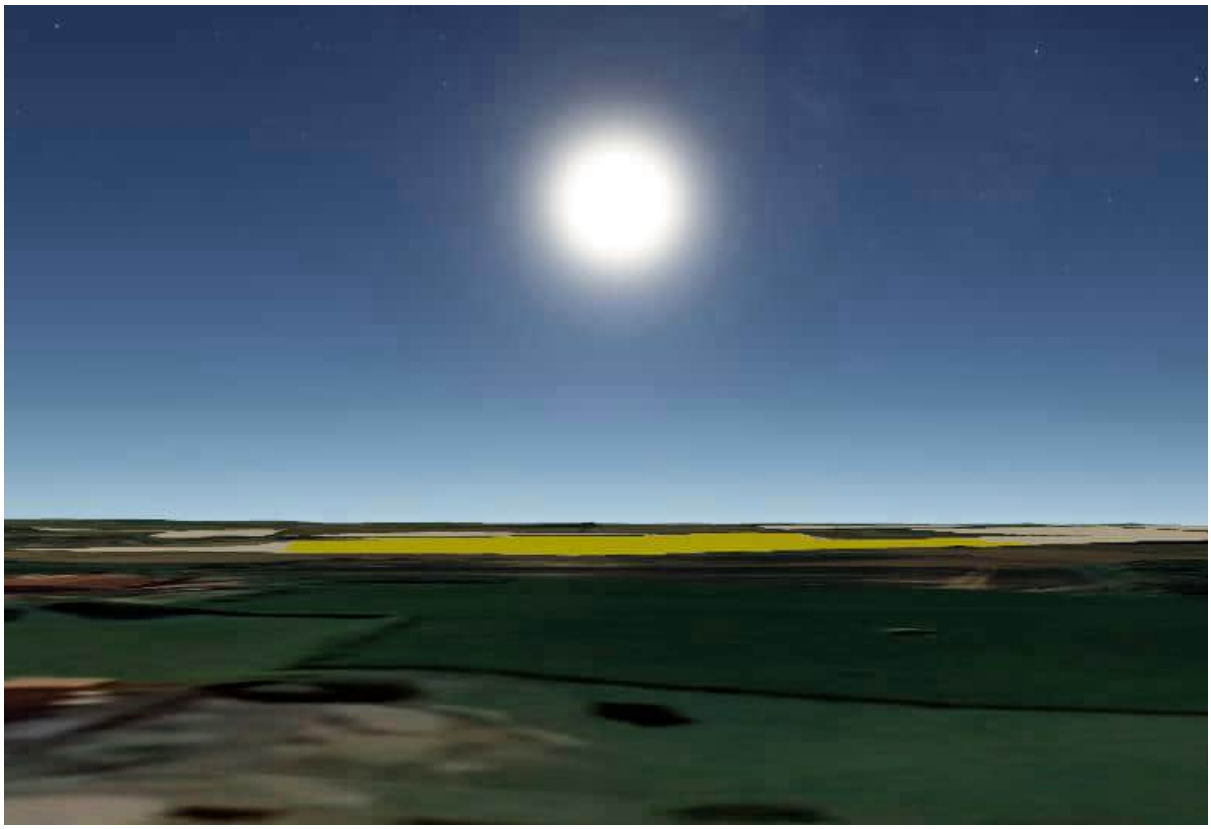
Looking West

January 1st 15:30 UTC

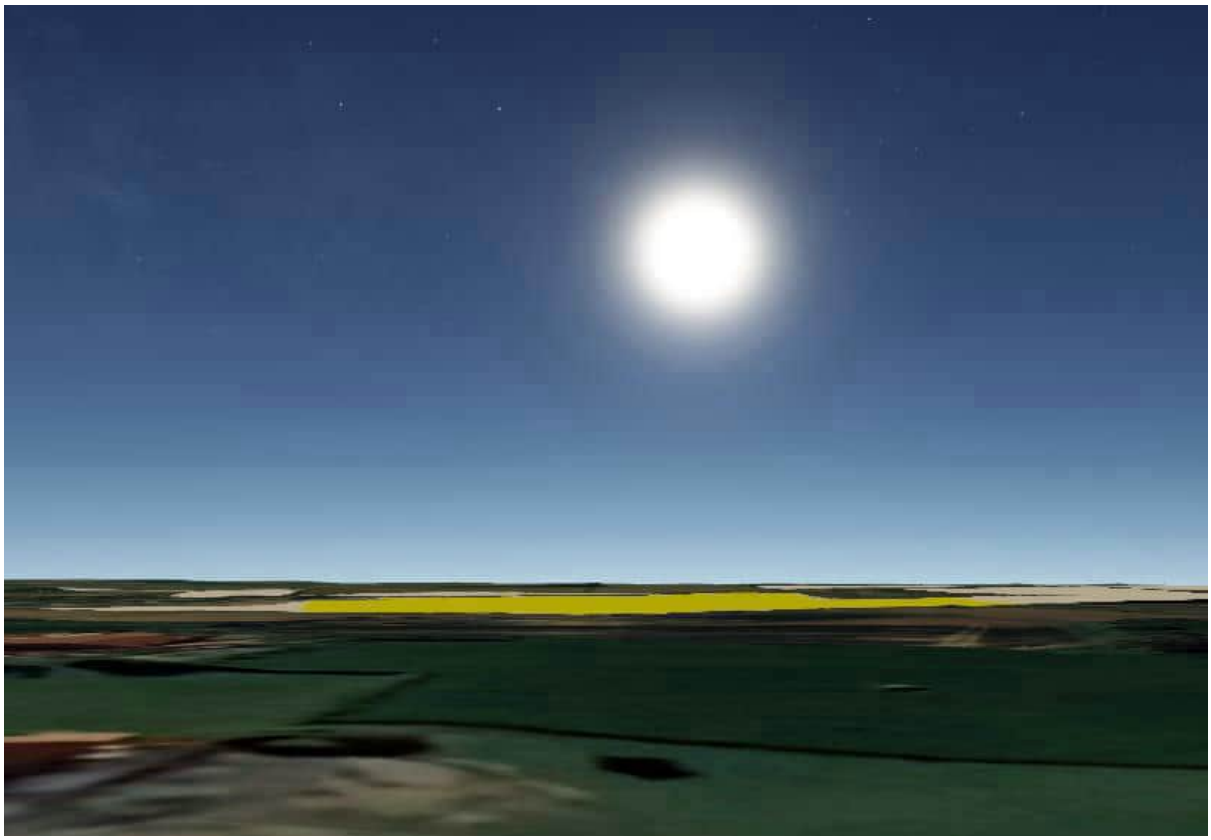
March 1st 17:00 UTC

Looking South

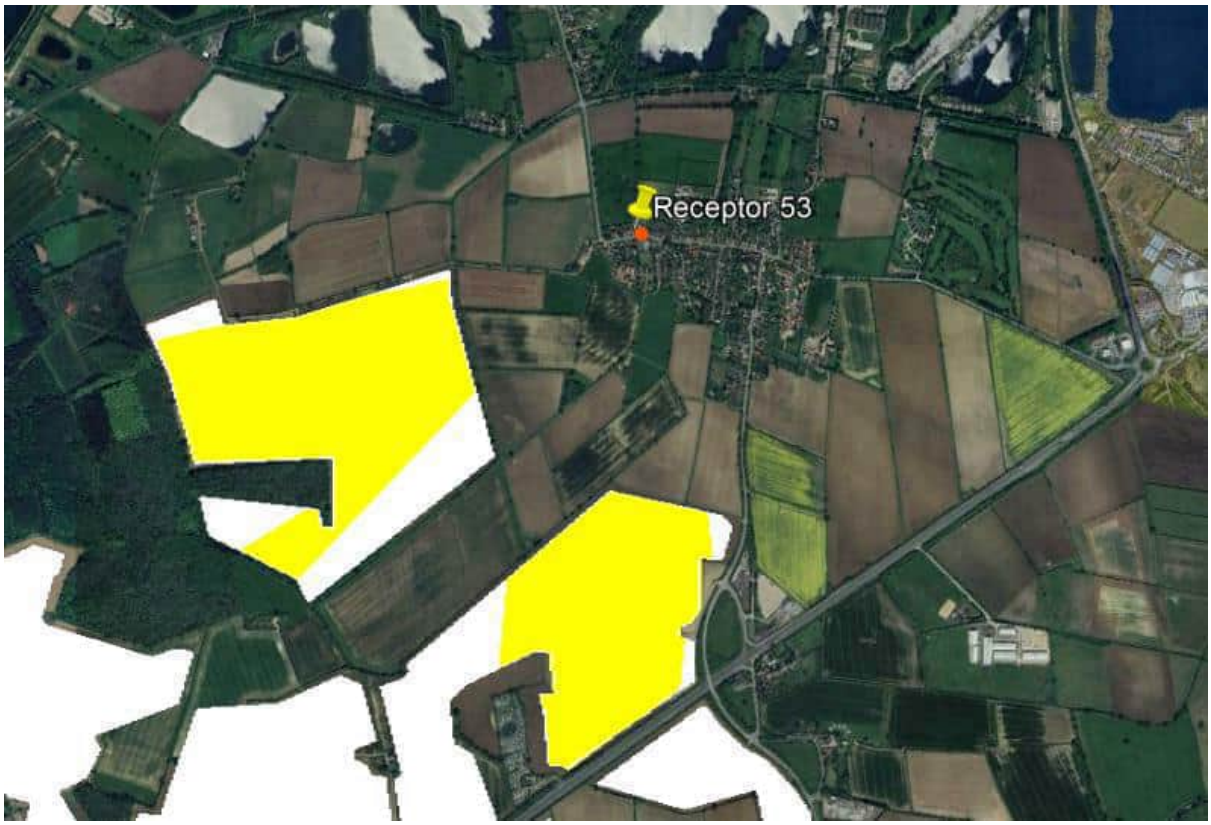
January 1st 12:00 UTC



December 1st 12:00 UTC

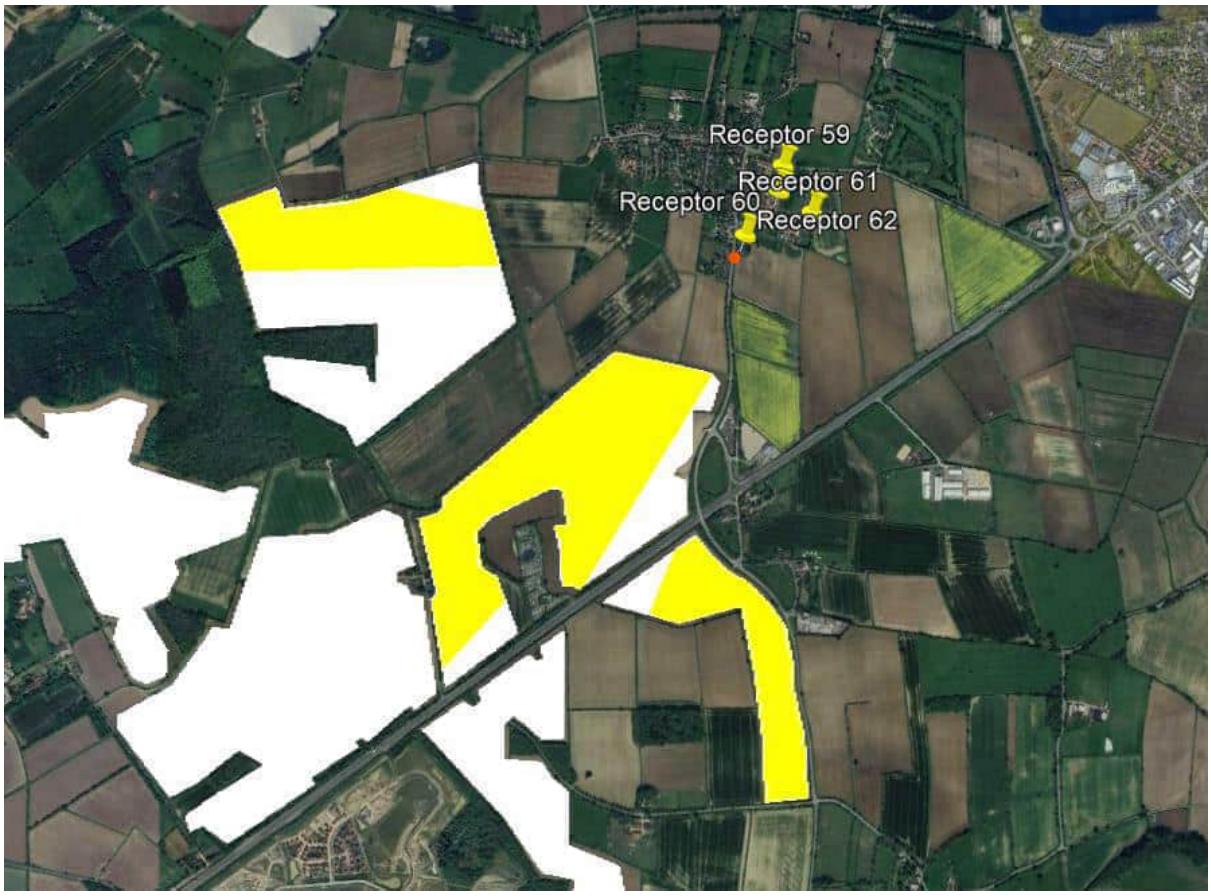


Receptor 53 (Group A Receptor 53)

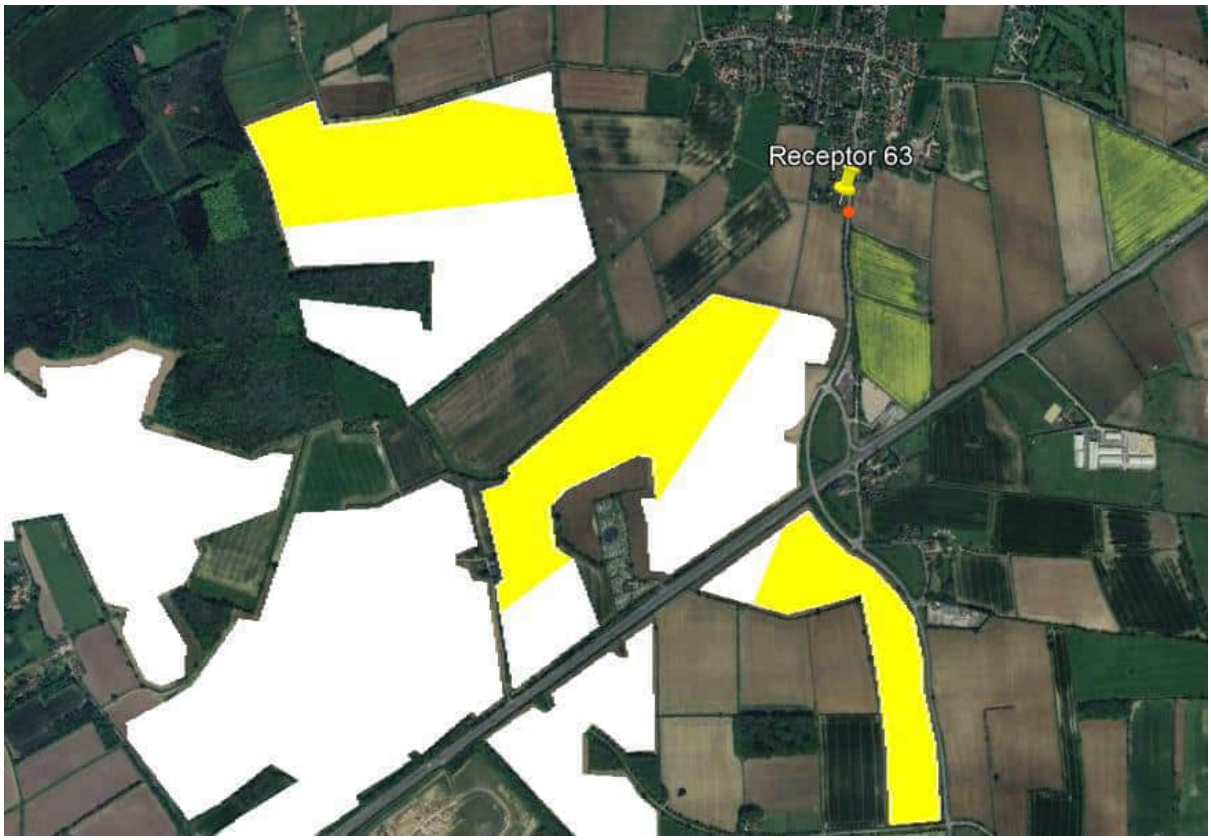


Receptors 54 – 58 (Group A Receptors 54 – 58)

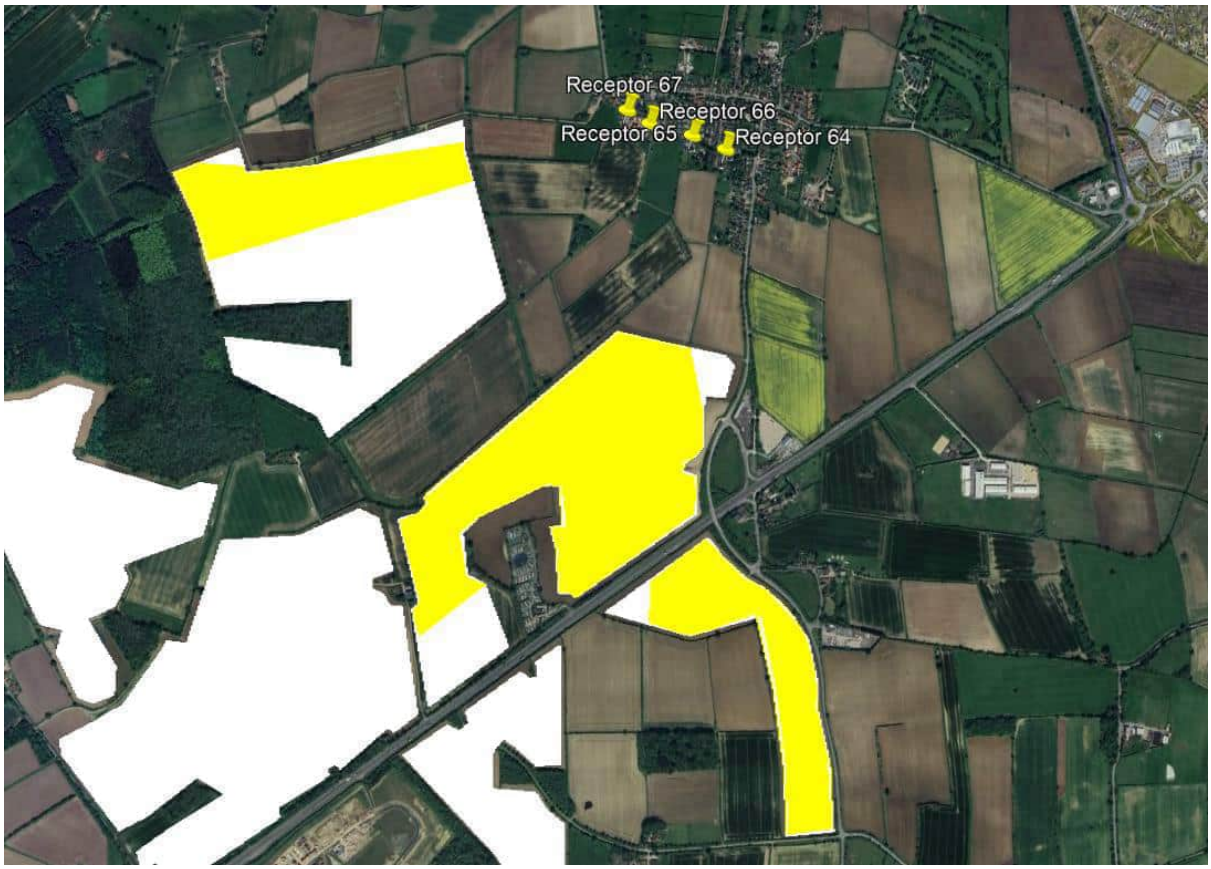
Receptors 59 – 62 (Group A Receptors 59 – 62)



Receptor 63 (Group A Receptor 63)



Receptors 64 – 67 (Group A Receptors 64 – 67)



January 1st 12:00 UTC

October 1st 17:15 UTC

December 1st 14:30 UTC

Receptors 68 - 70 (Group A Receptors 68 - 70)

Receptor 71 (Group A Receptor 71)

Looking West

March 15th 17:45 UTC

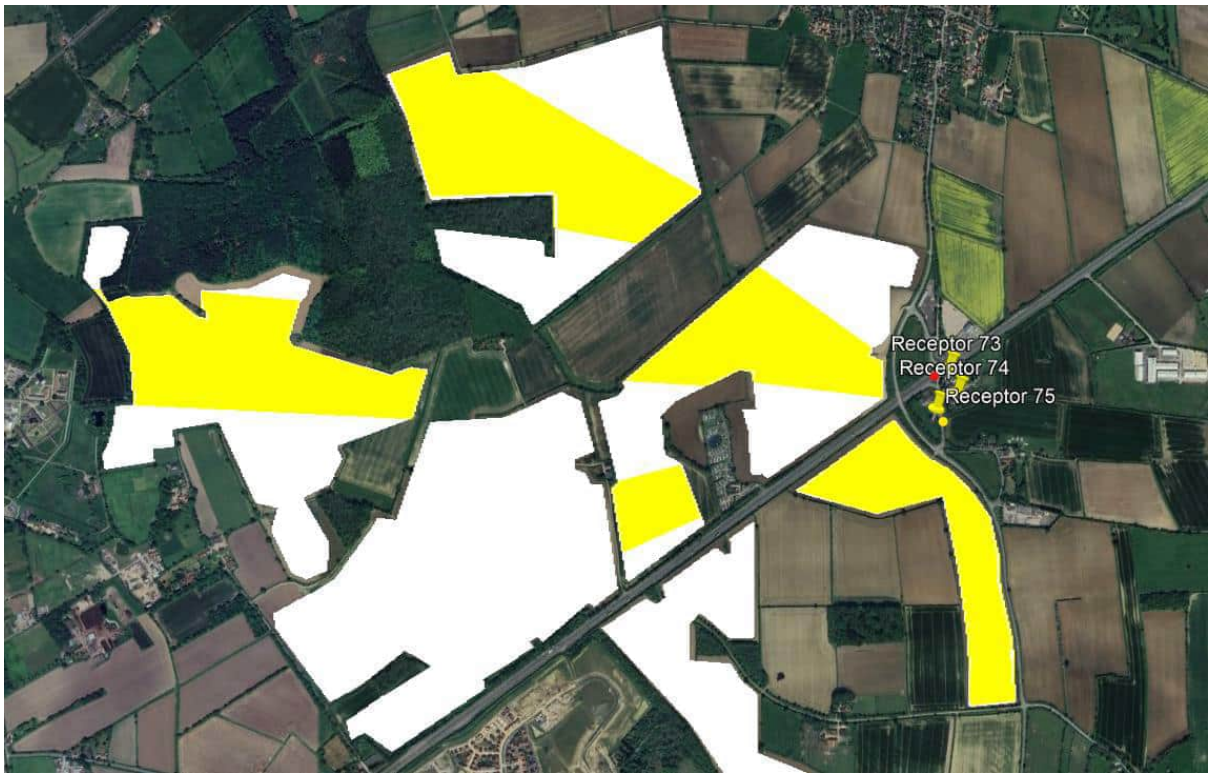
April 1st 17:00 UTC

Looking South

January 1st 12:00 UTC

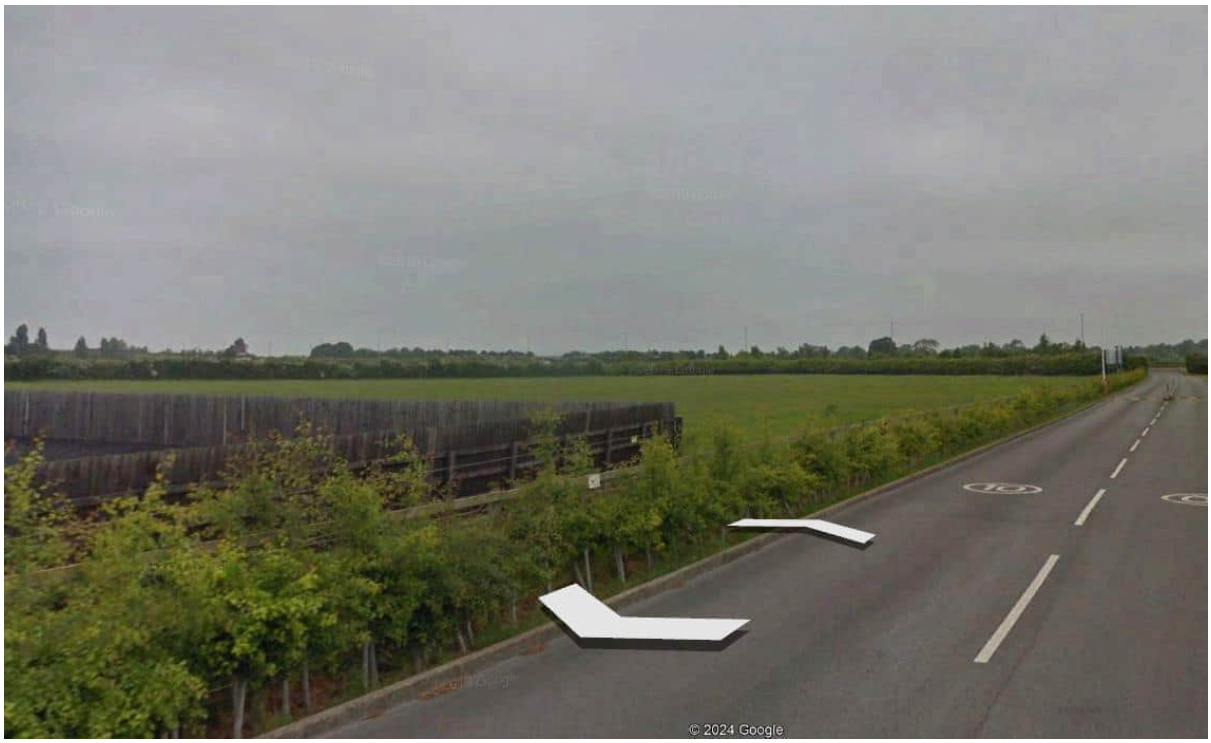
Receptor 72

Receptors 73 – 75 (Group A Receptors 73 – 75)

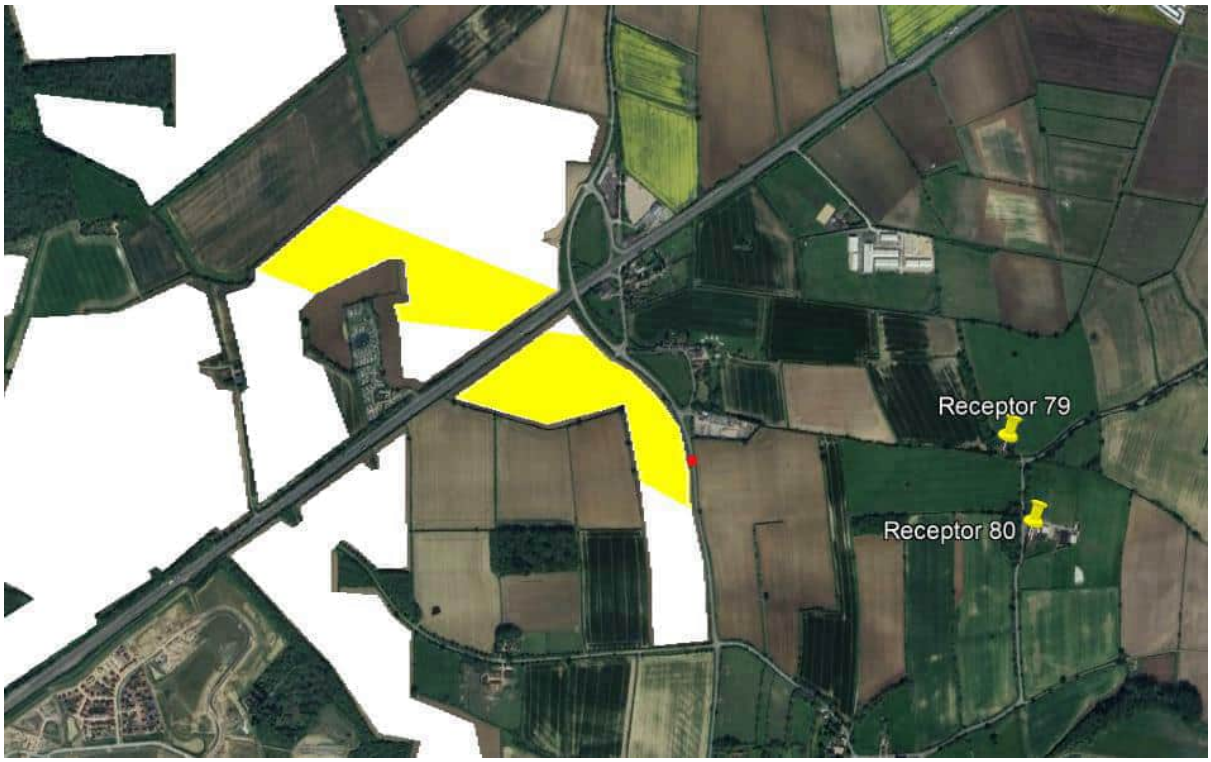


Receptors 76 and 77 (Group A Receptors 76 and 77)

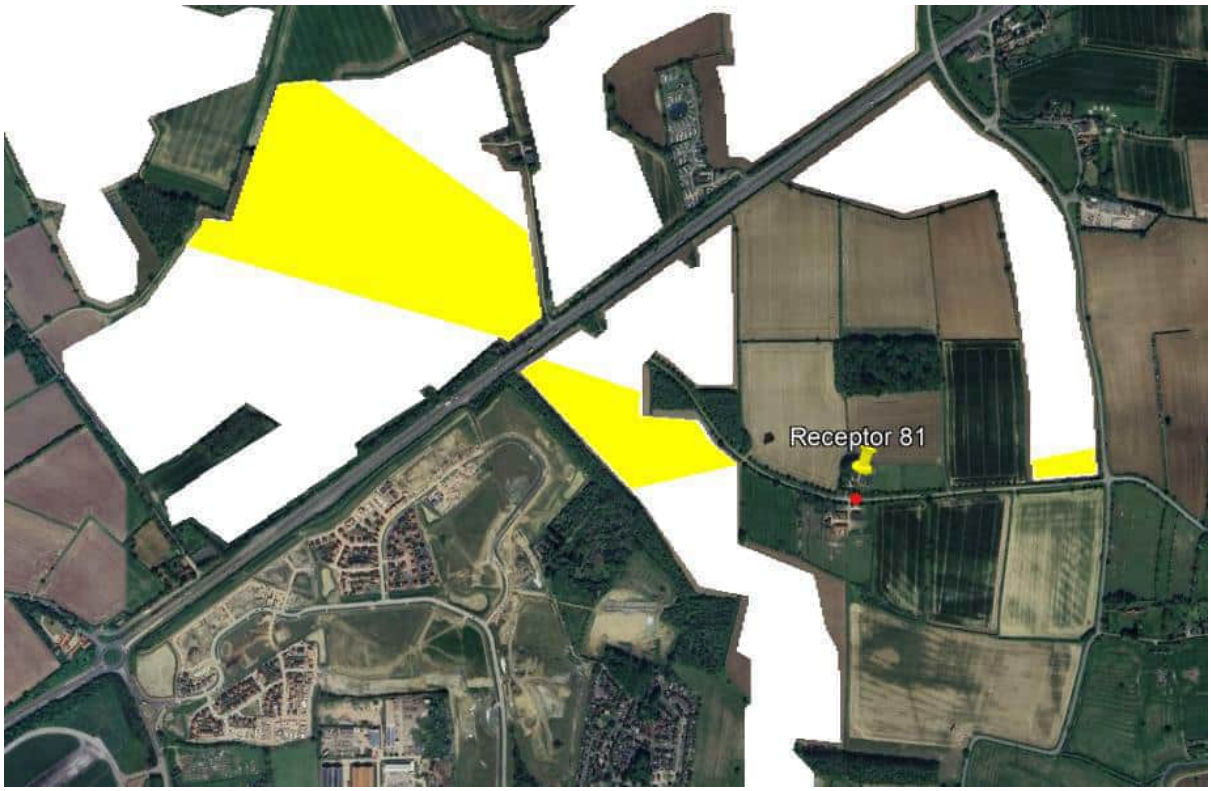
Receptor 78 (Group A Receptor 78)



Receptors 79 and 80 (Group A Receptors 79 and 80)



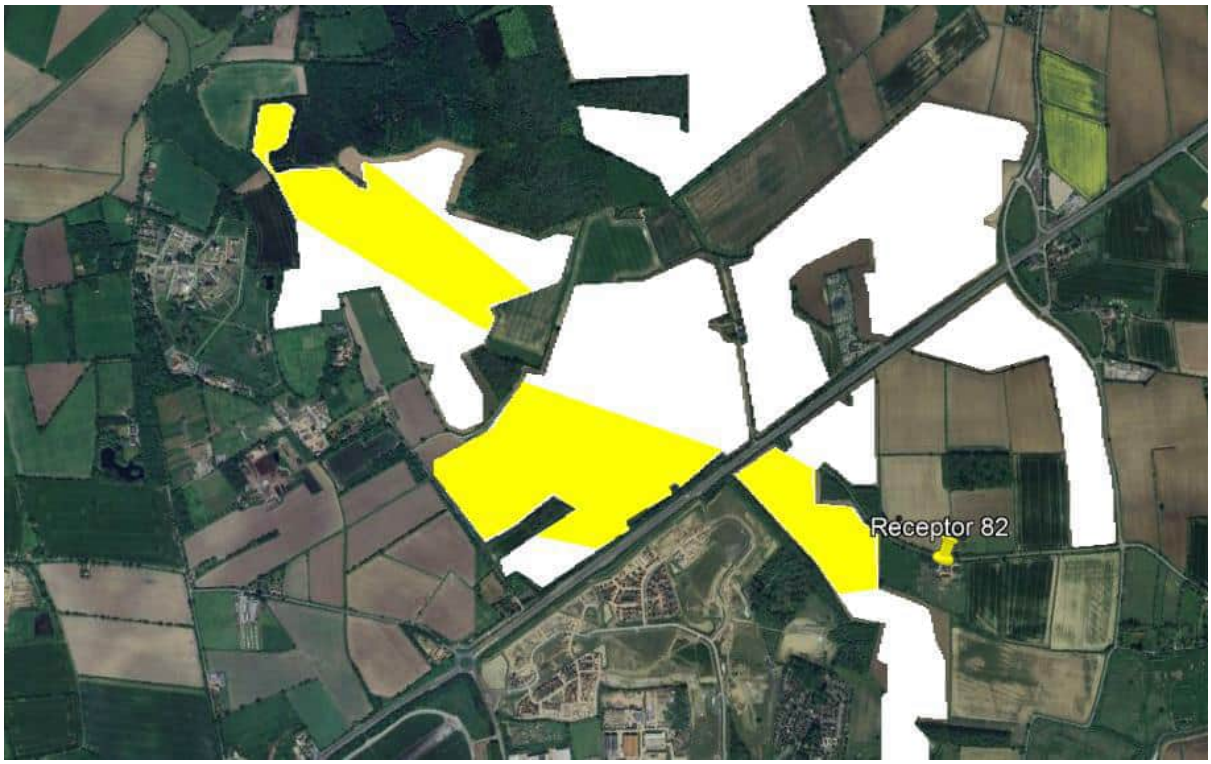
Receptor 81 (Group B Receptor 1)



Looking East

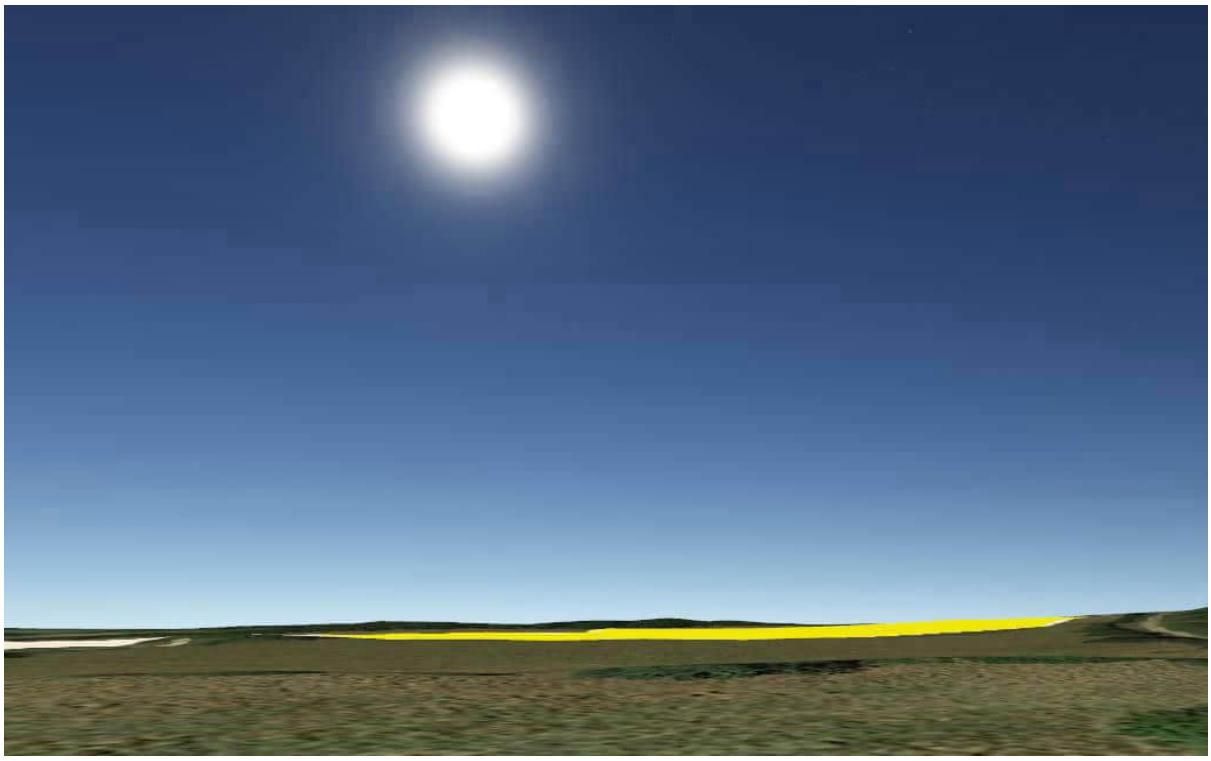
Looking West

Receptor 82 (Group B Receptor 2)



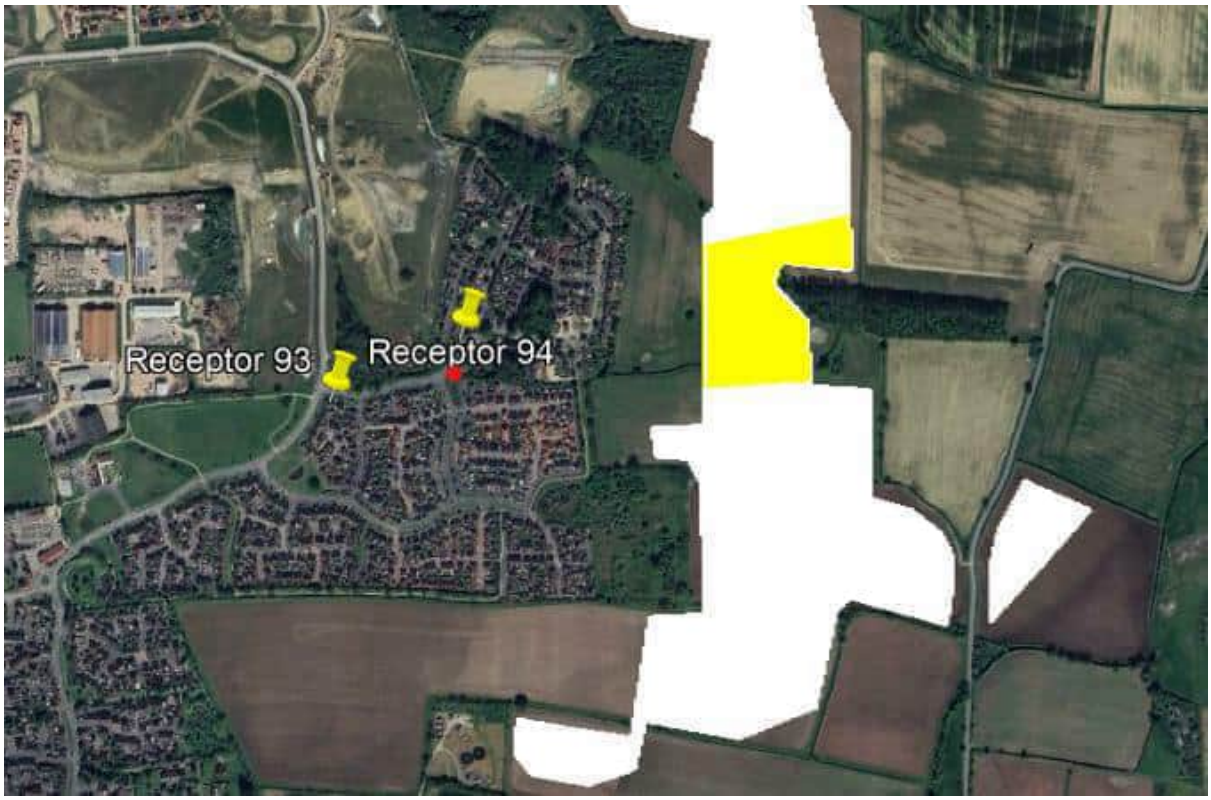
March 15th 17:45 UTC

May 25th 16:45 UTC

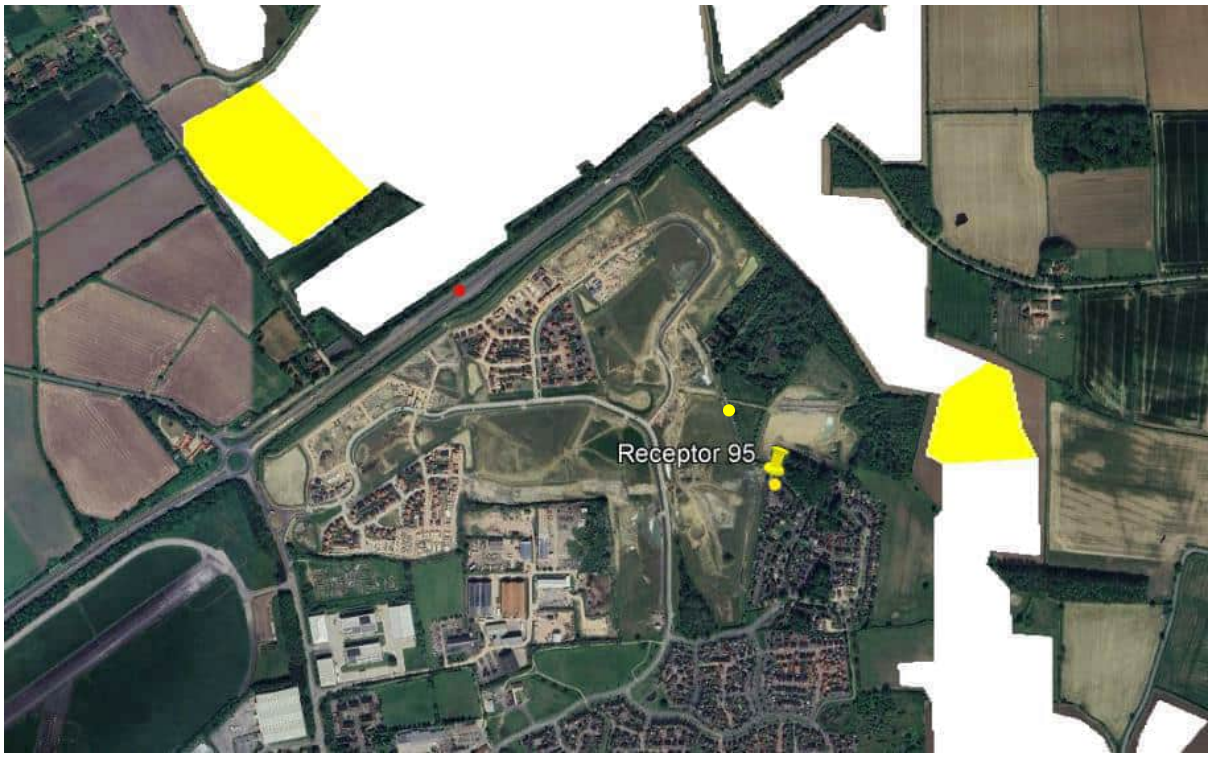


Receptor 83 (Group B Receptor 3)

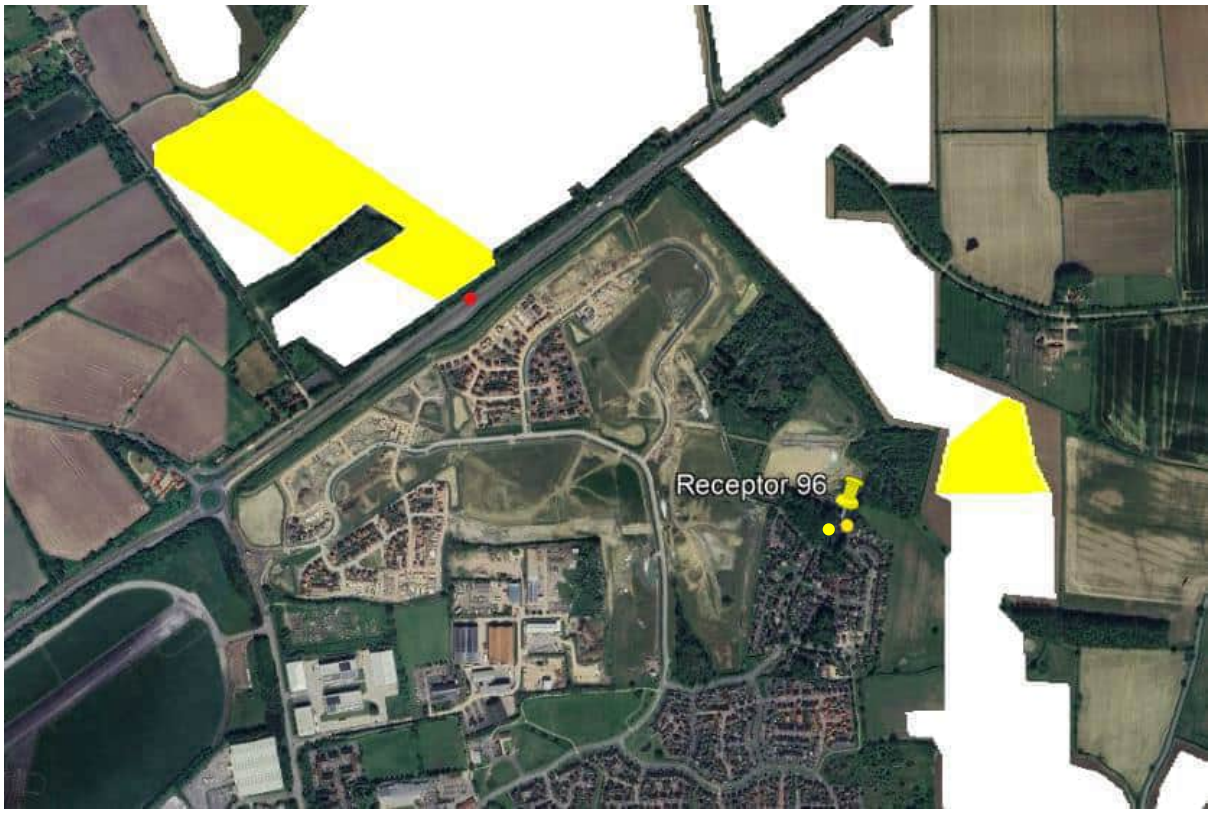
Receptors 93 and 94 (Group B Receptors 13 and 14)



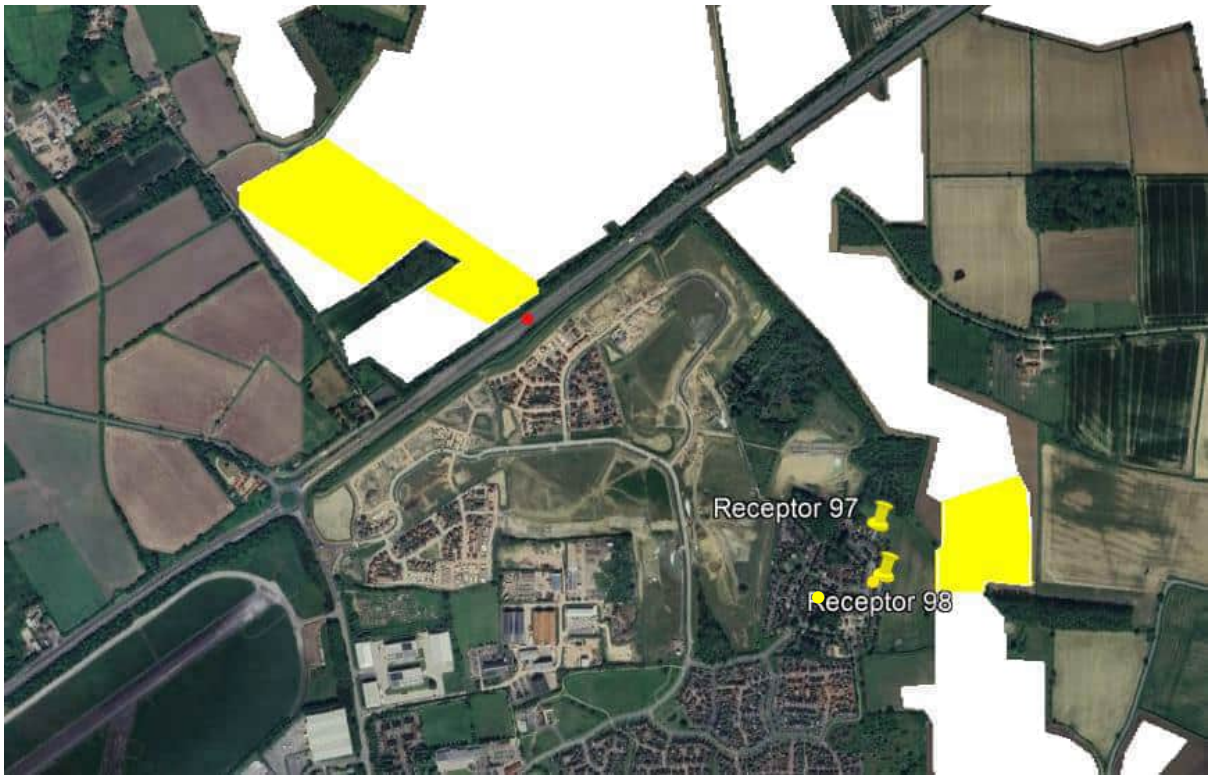
Receptor 95 (Group B Receptor 15)



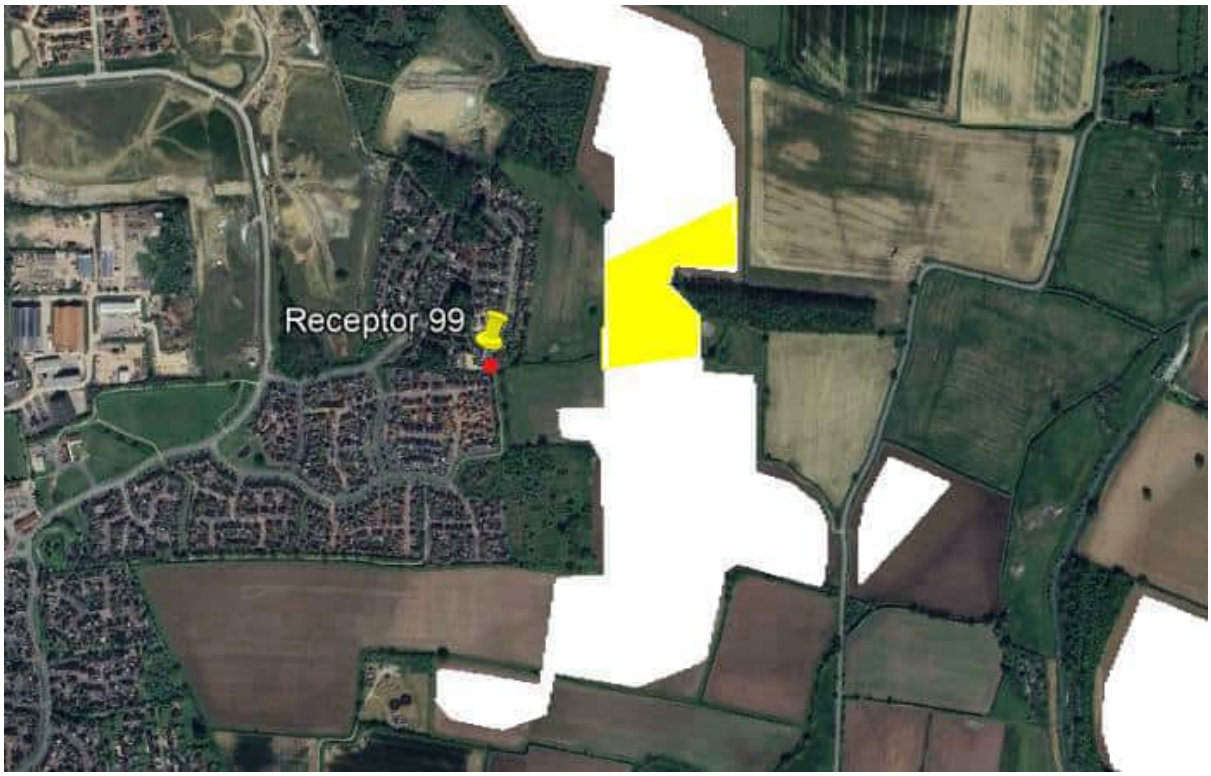
Receptor 96 (Group B Receptor 16)



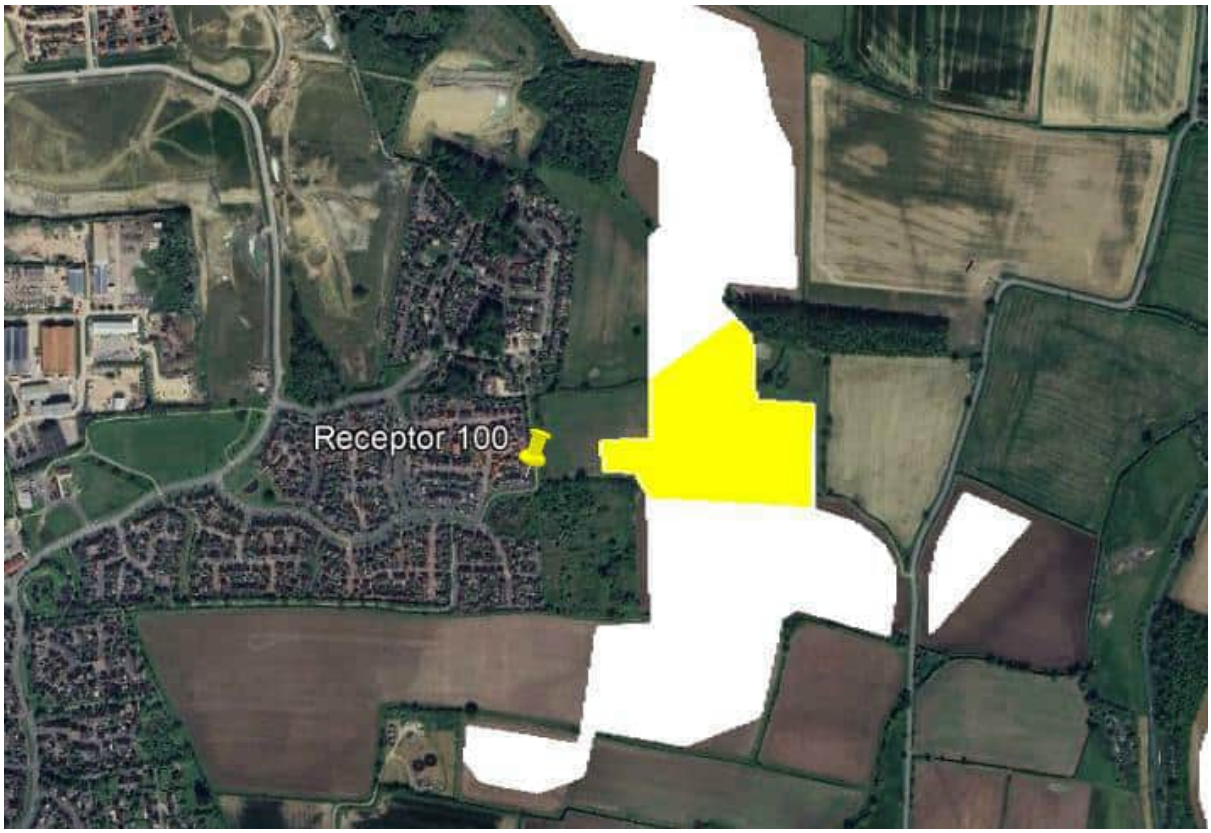
Receptors 97 and 98 (Group B Receptors 17 and 18)

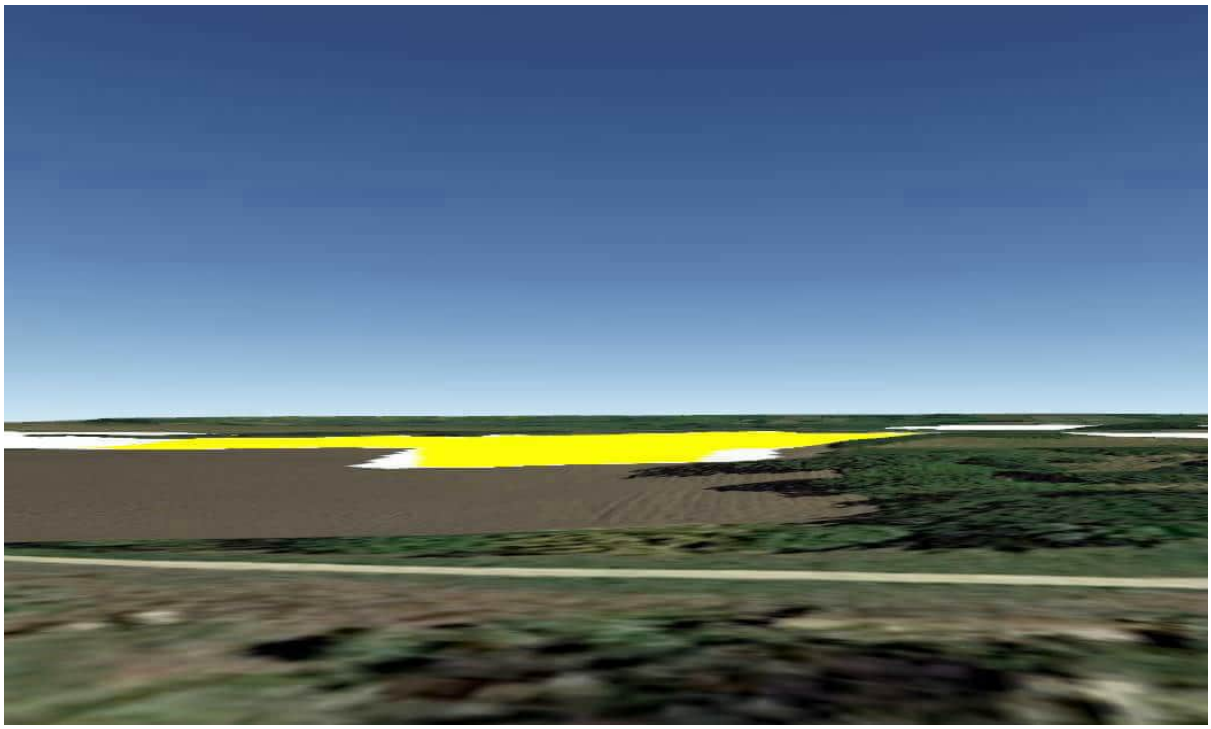


Receptor 99 (Group B Receptor 19)

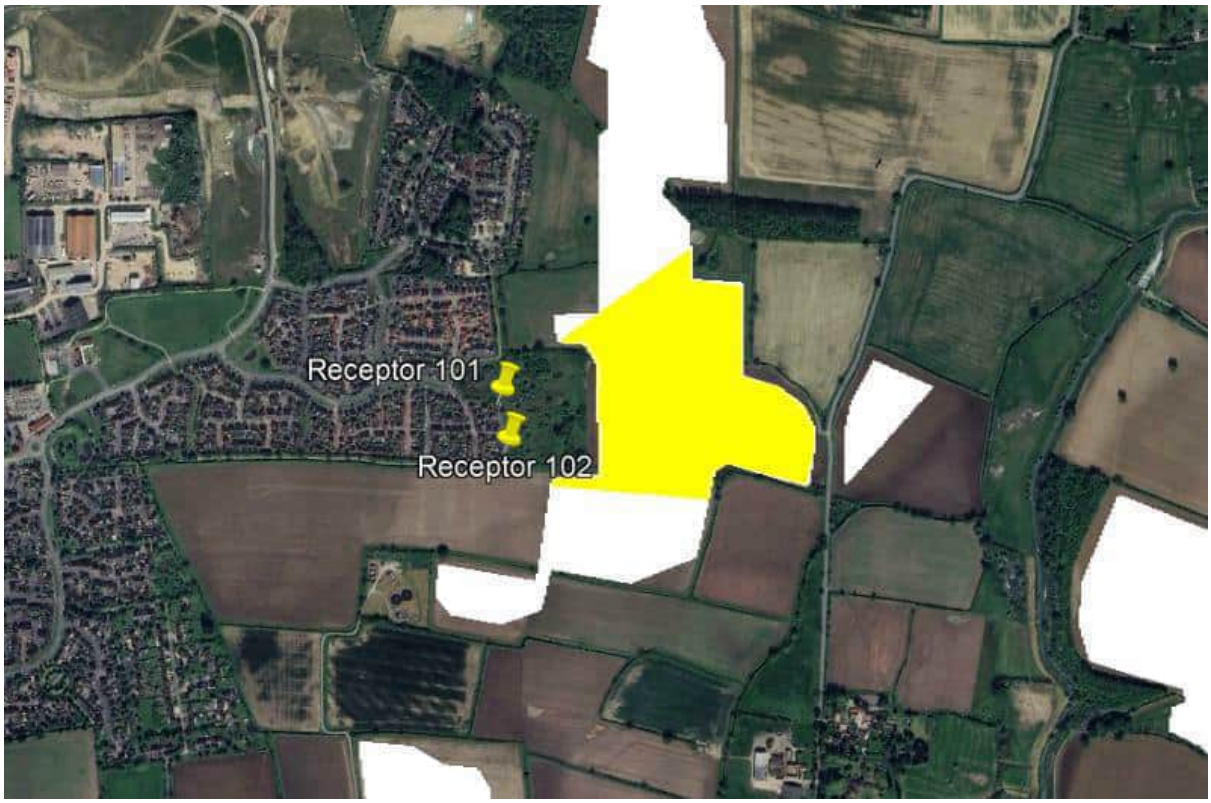


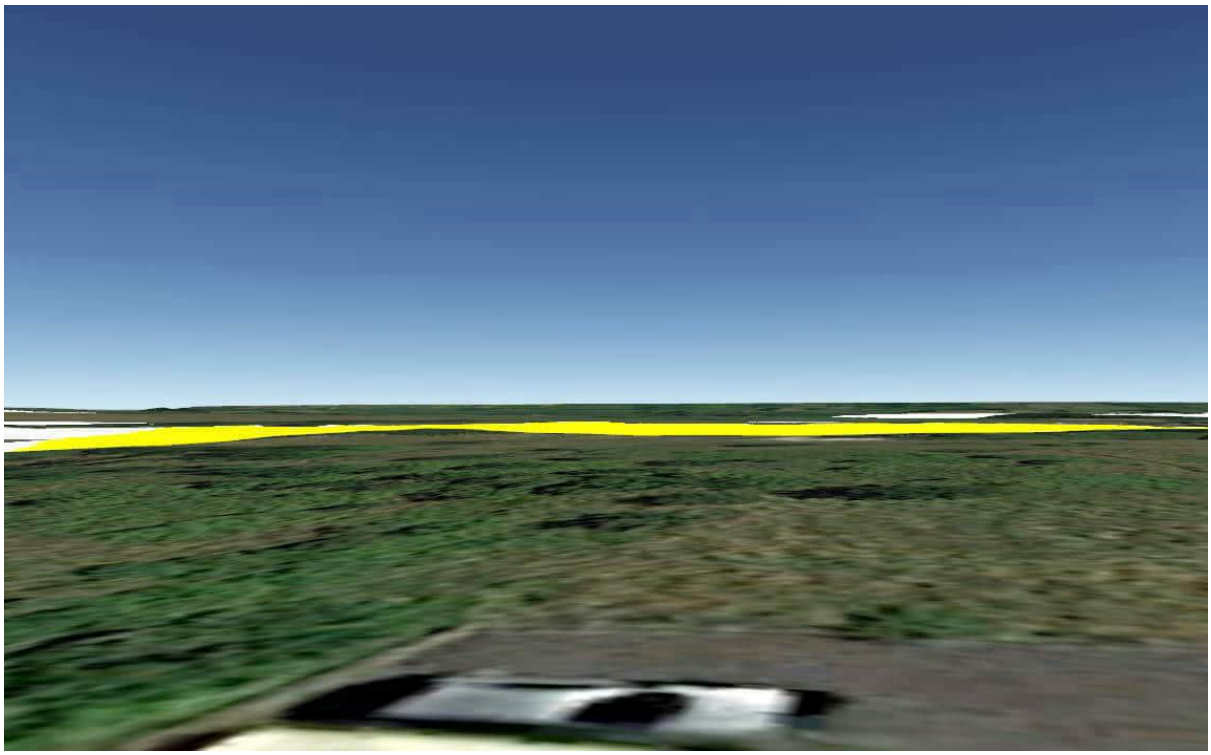
Receptor 100 (Group B Receptor 20)



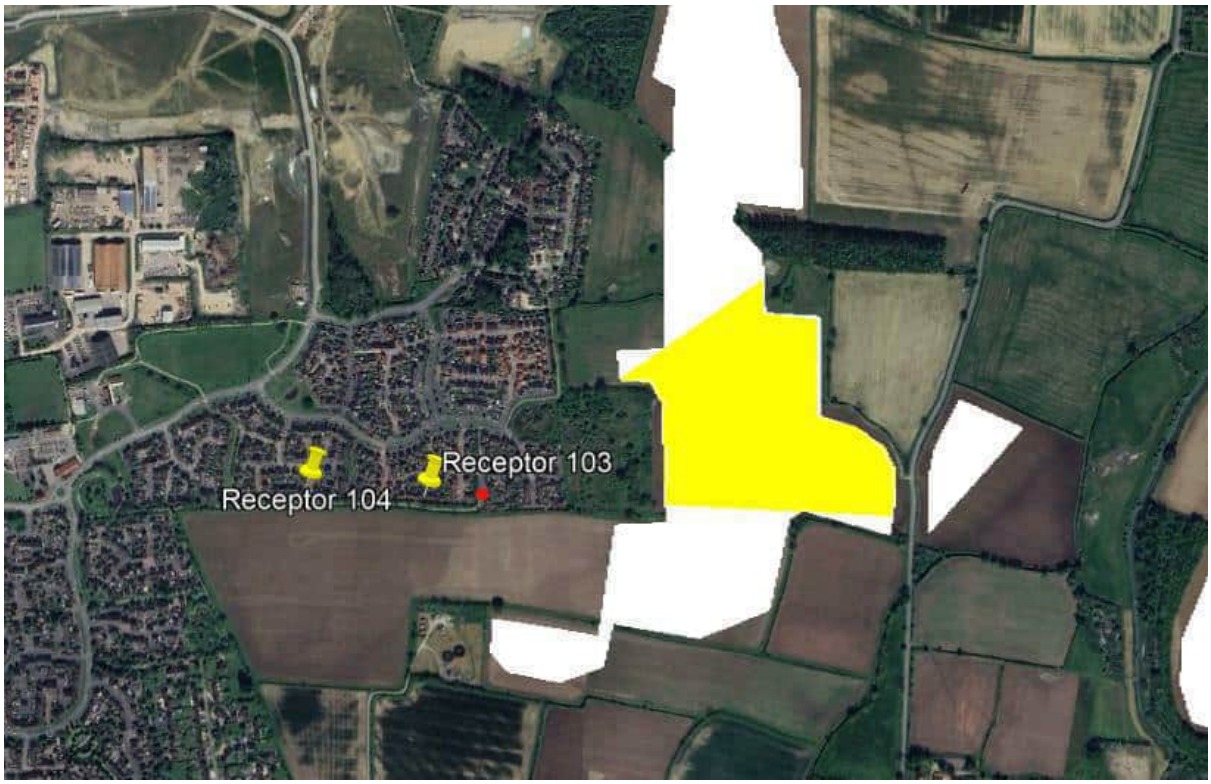


Receptors 101 and 102 (Group B Receptors 21 and 22)

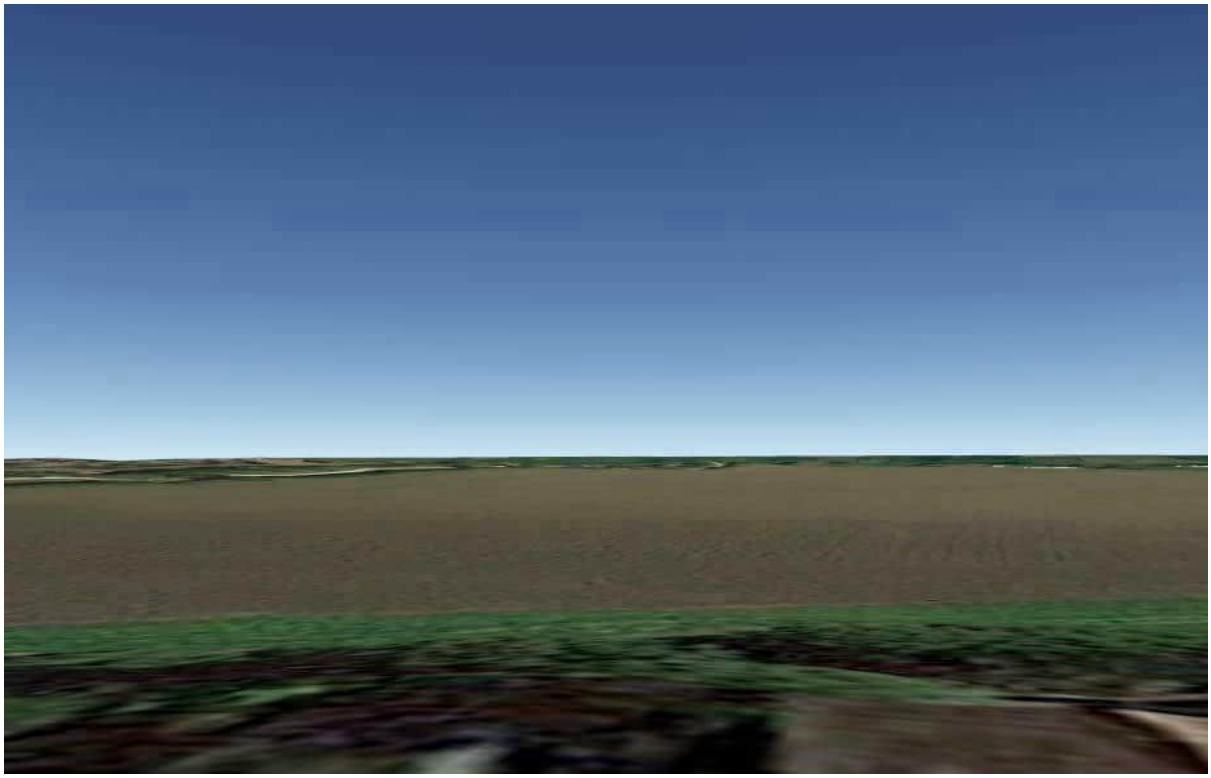




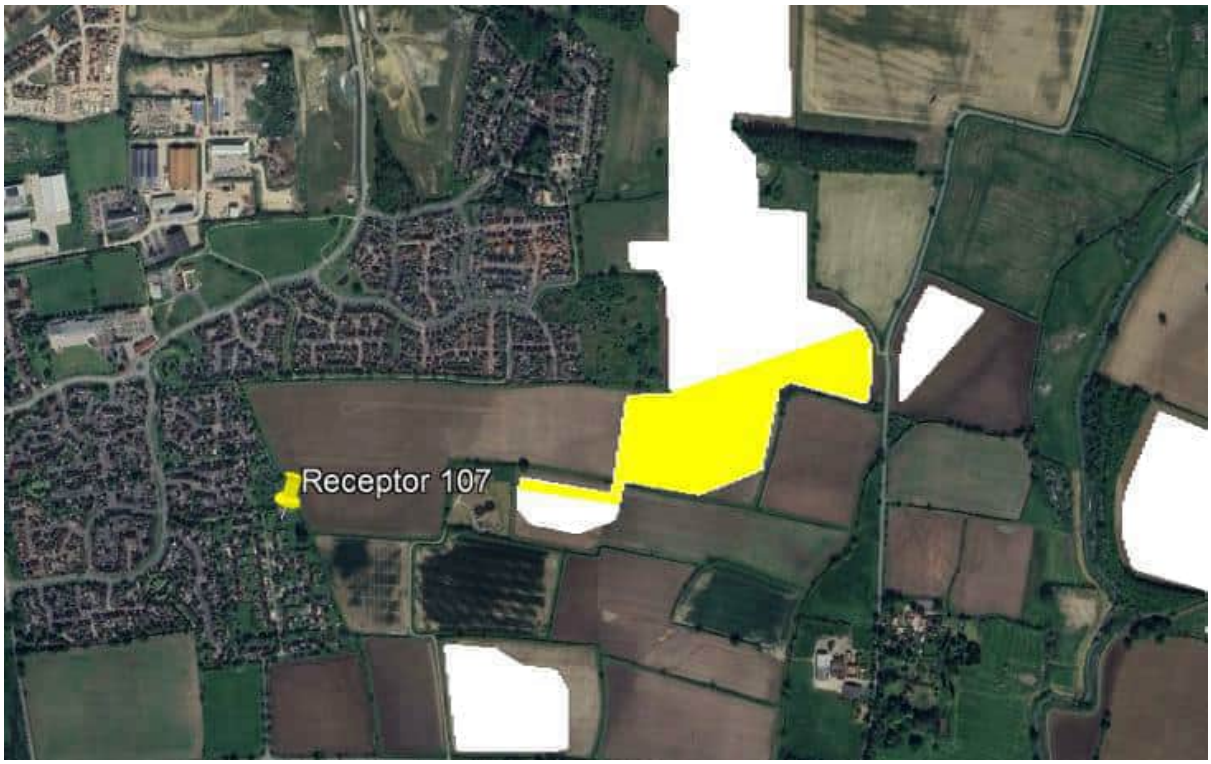
Receptors 103 and 104 (Group B Receptors 23 and 24)

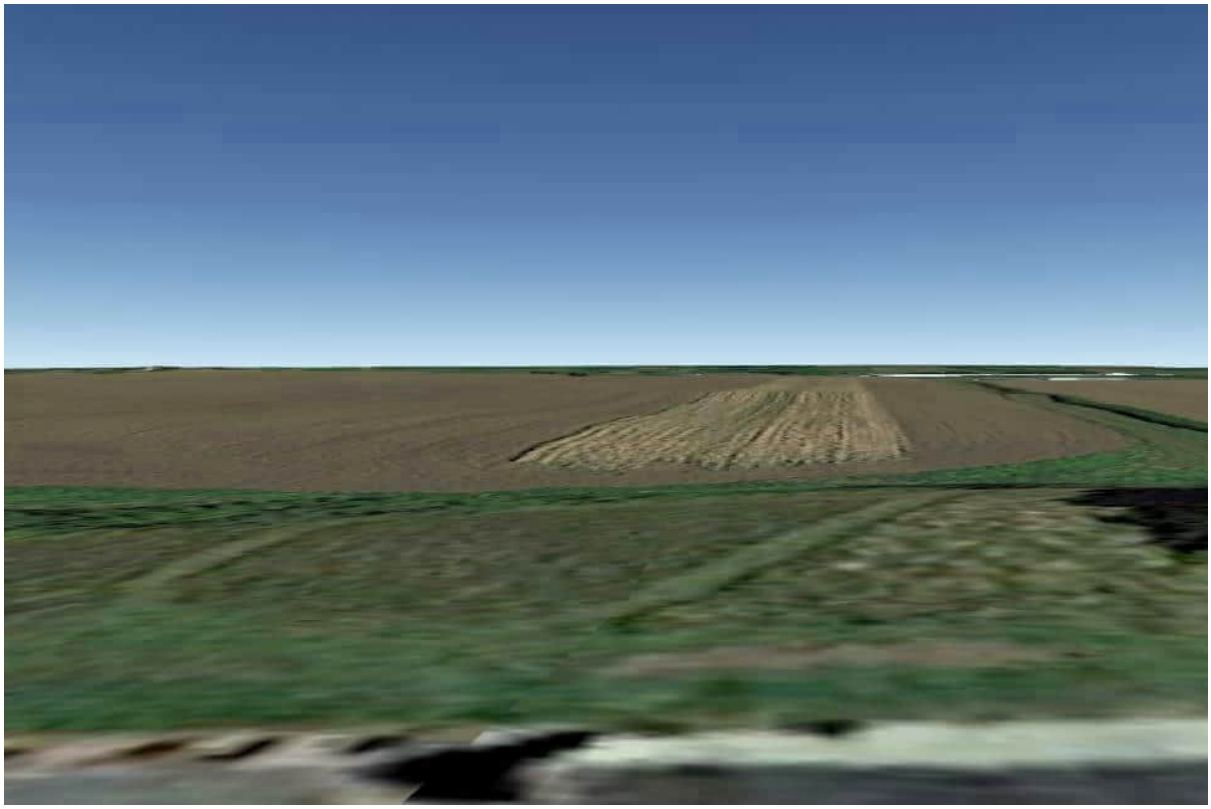


Receptor 106

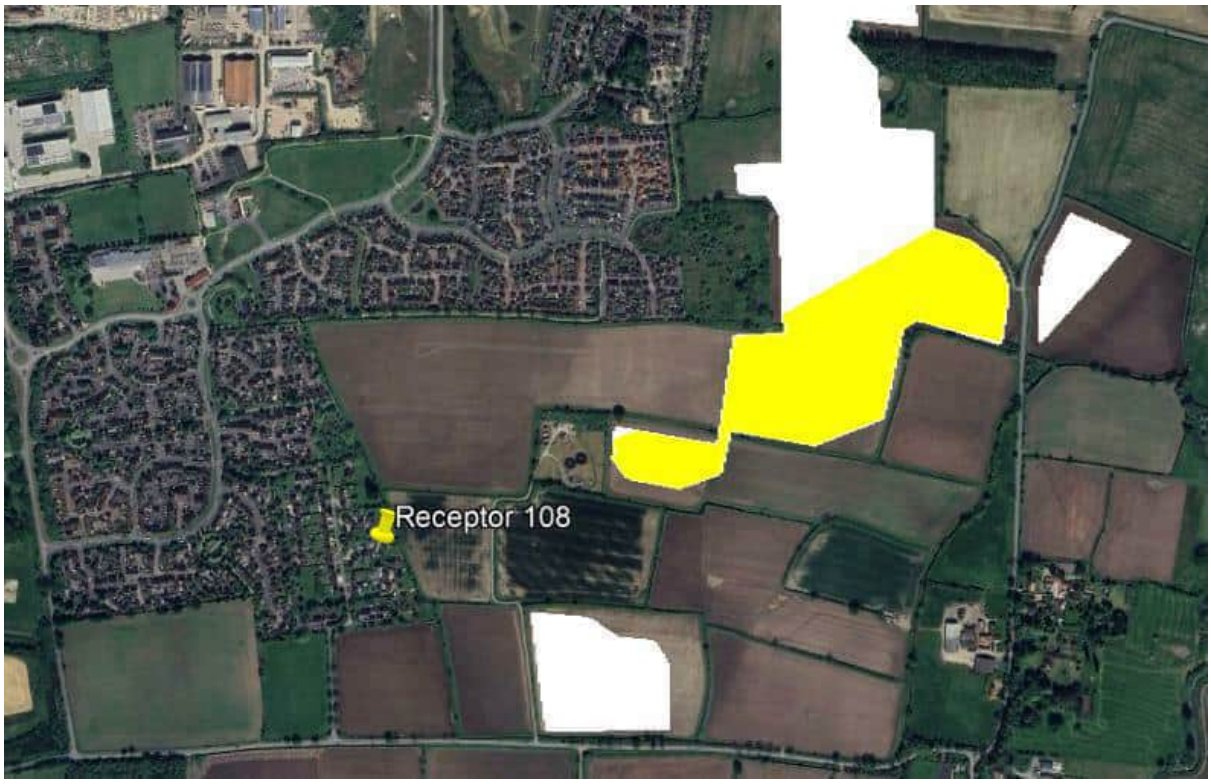


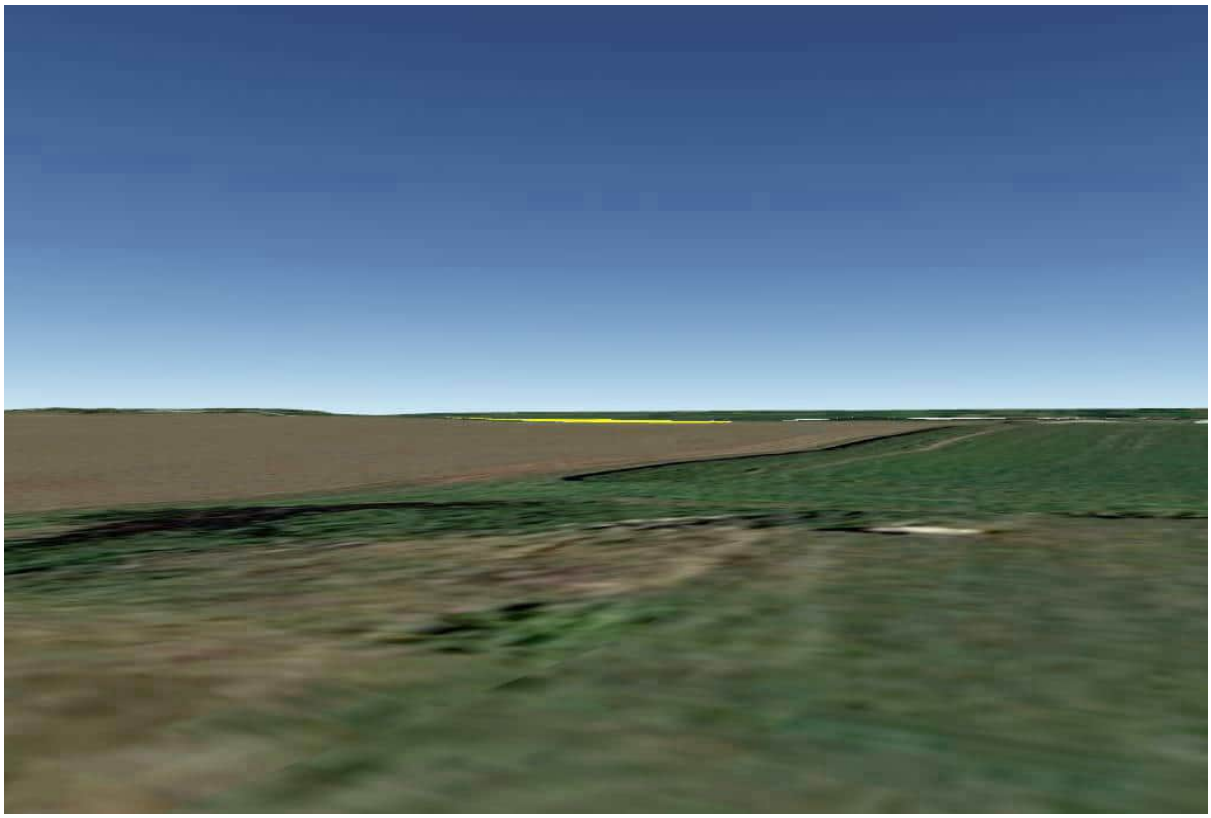
Receptor 107 (Group B Receptor 27)



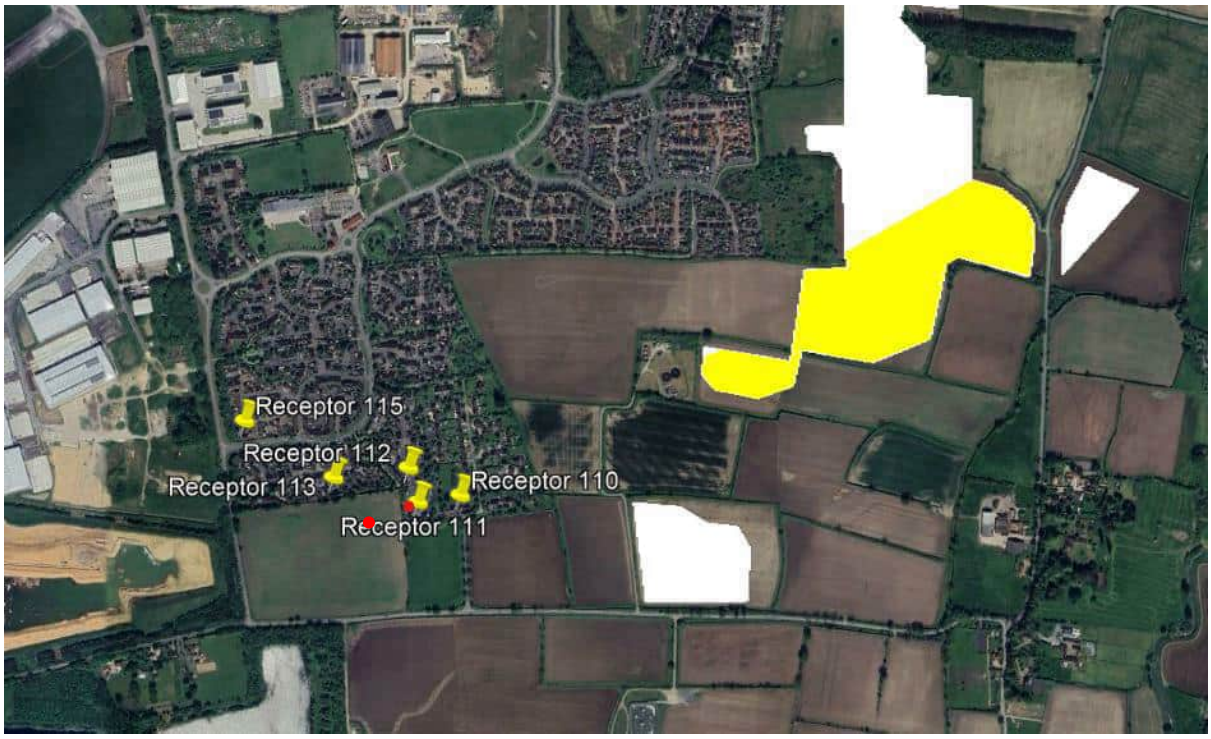


Receptor 108 (Group B Receptor 28)





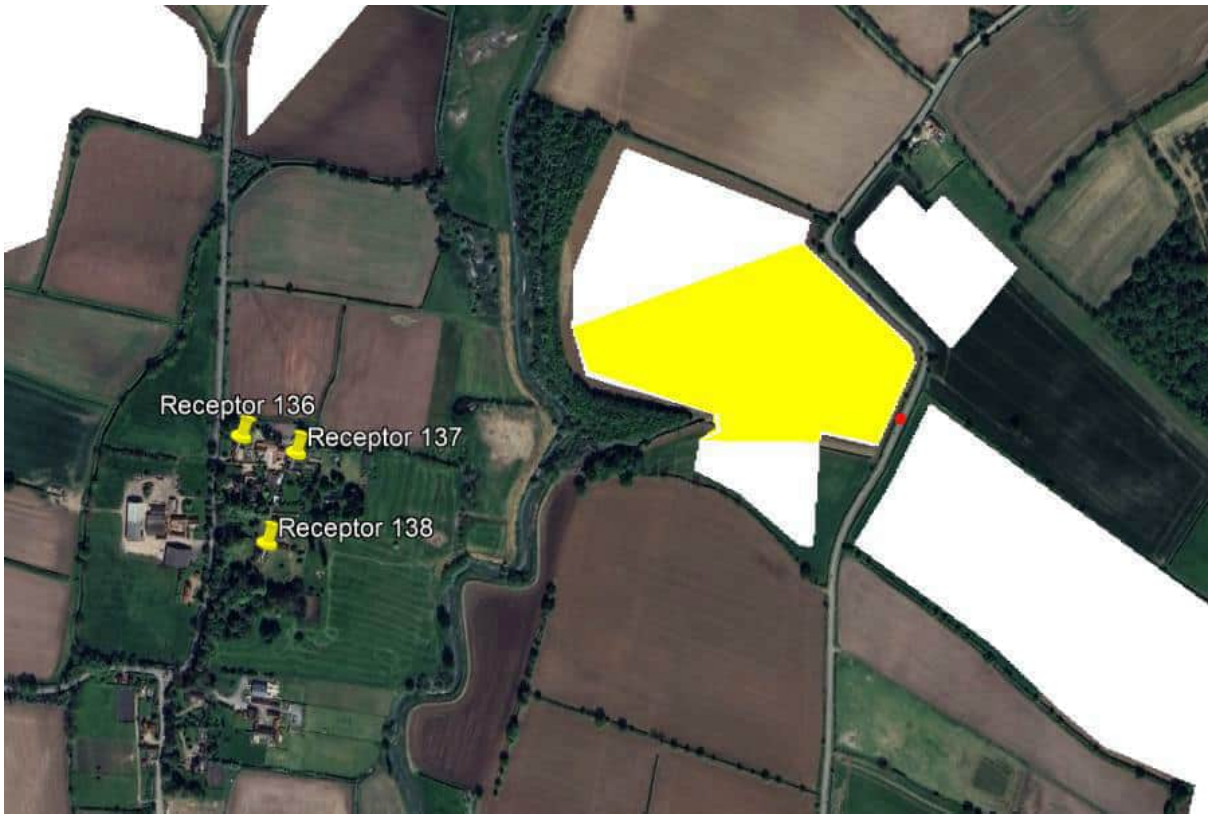
Receptors 110 – 113 and 115 (Group B Receptors 30 – 33 and 35)



Receptors 117 and 119 (Group B Receptors 37 and 39)

Receptor 122 (Group B Receptor 42)

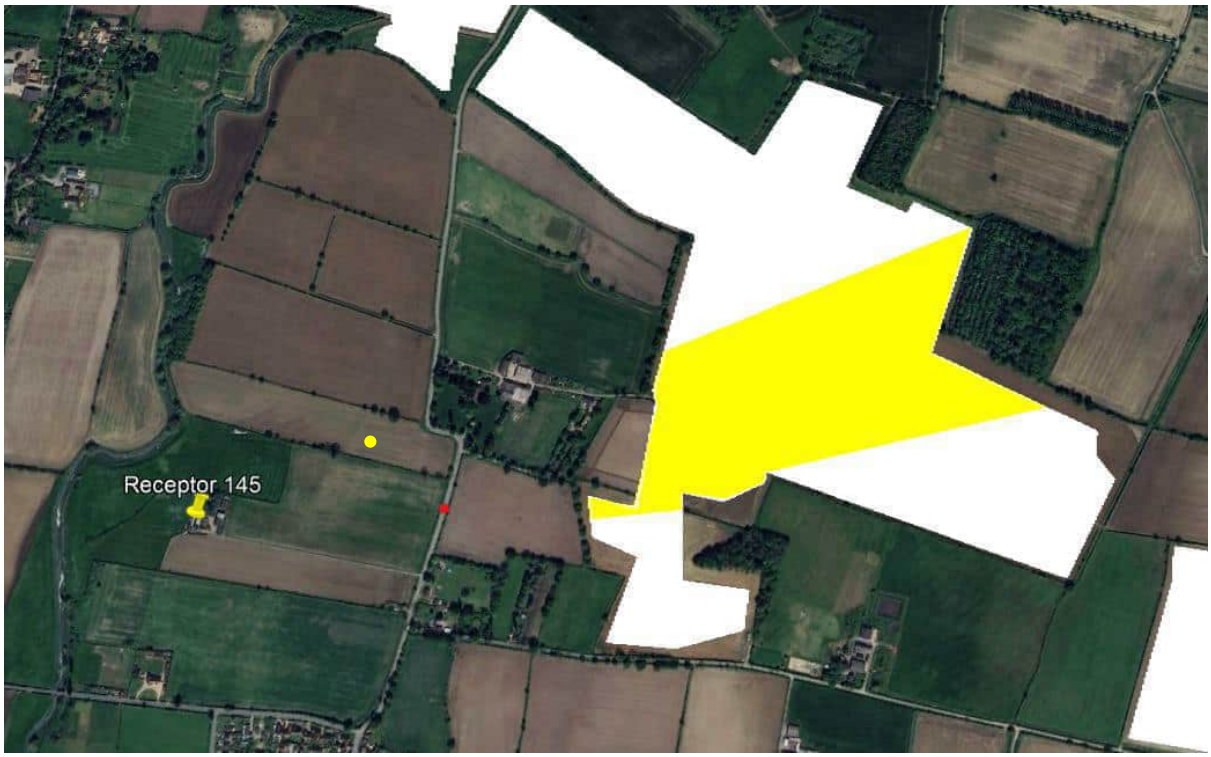
Receptors 136 – 138 (Group B Receptors 56 – 58)



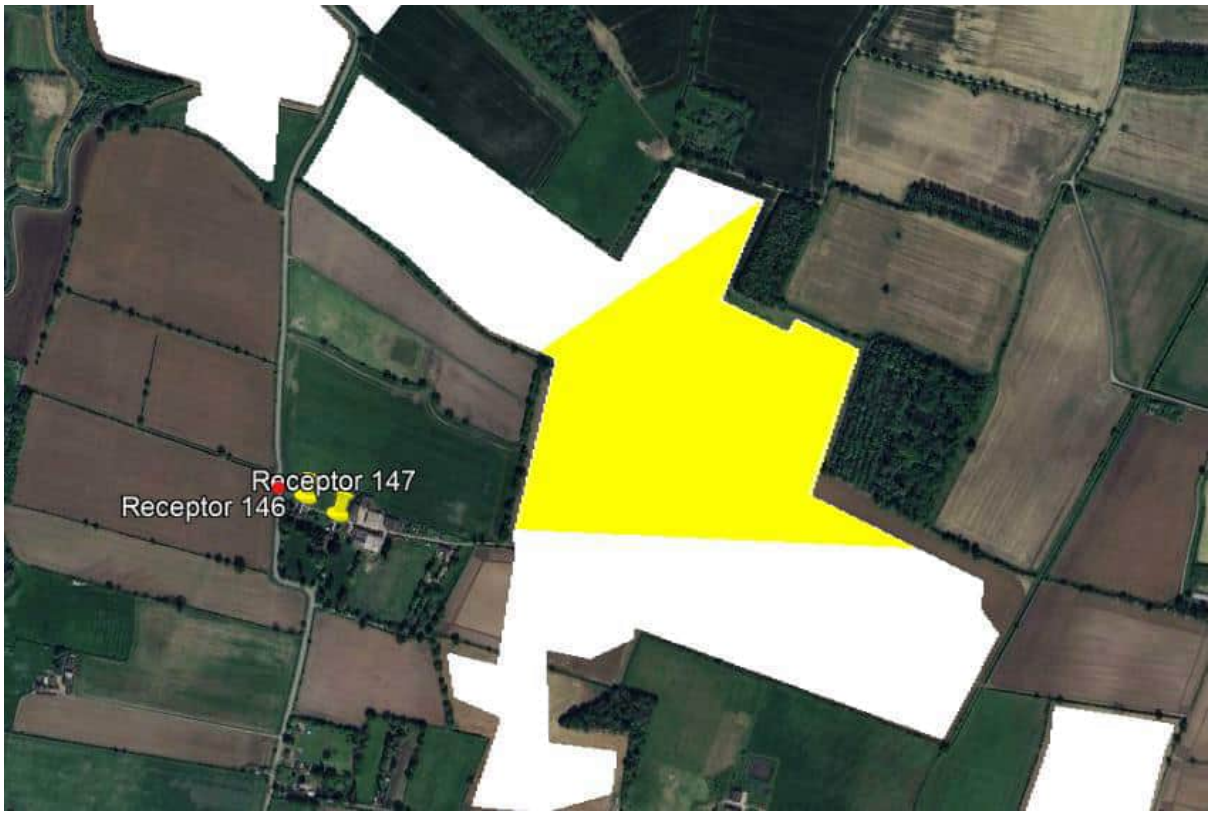
Receptors 139 – 142 (Group B Receptors 59 – 62)

Receptors 143 and 144 (Group B Receptors 60 and 61)

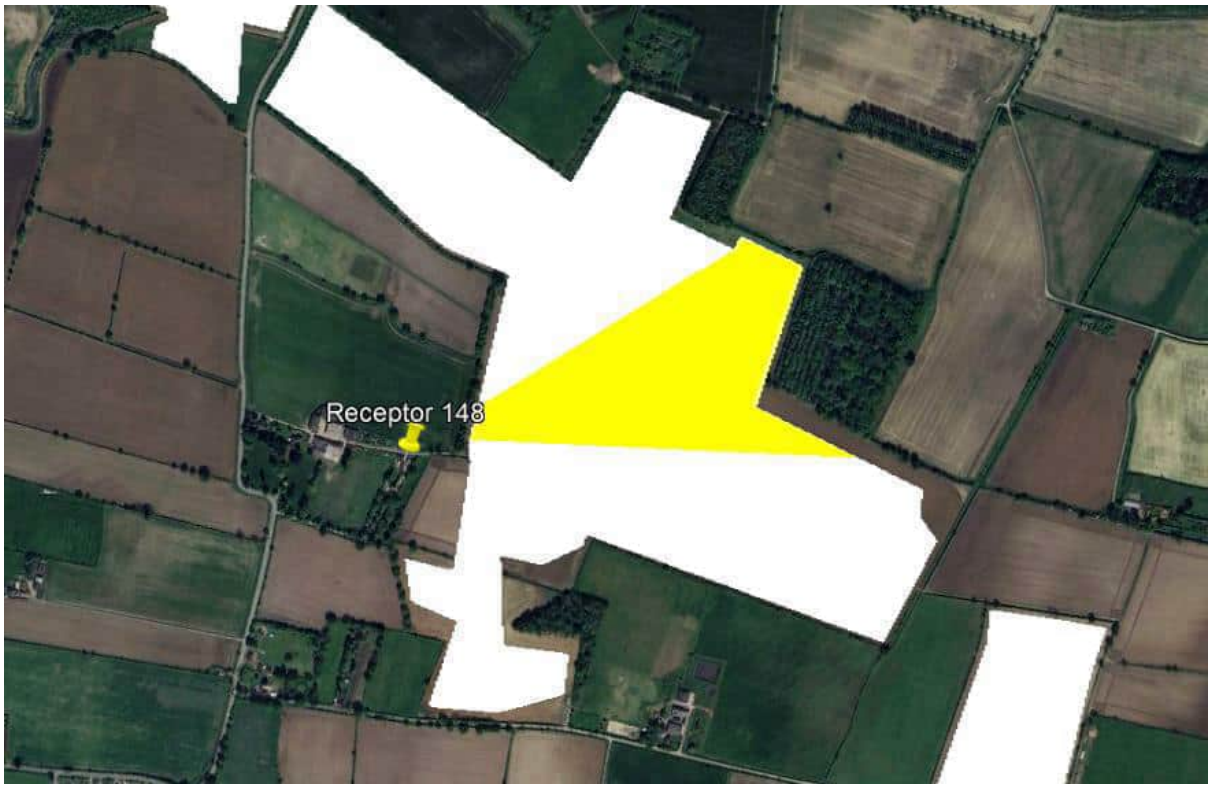
Receptor 145 (Group B Receptor 65)

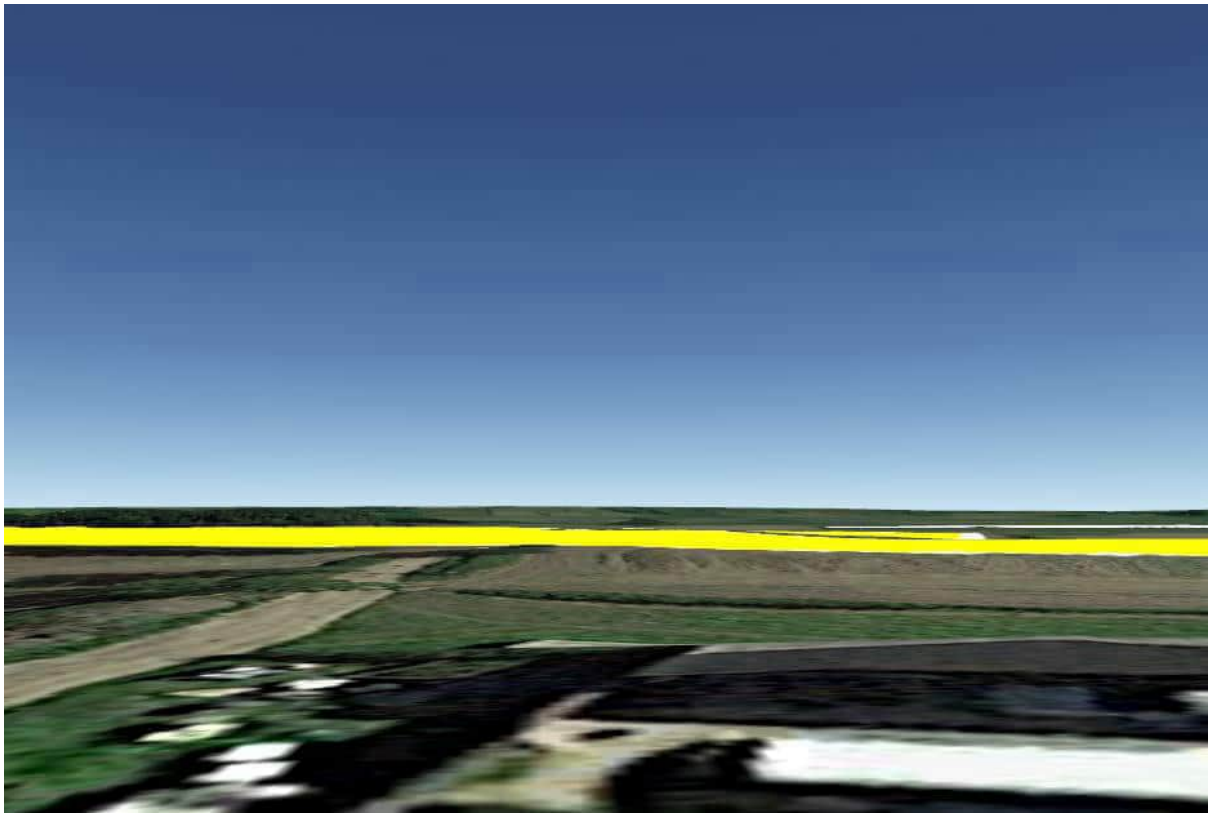


Receptors 146 and 147 (Group B Receptors 66 and 67)

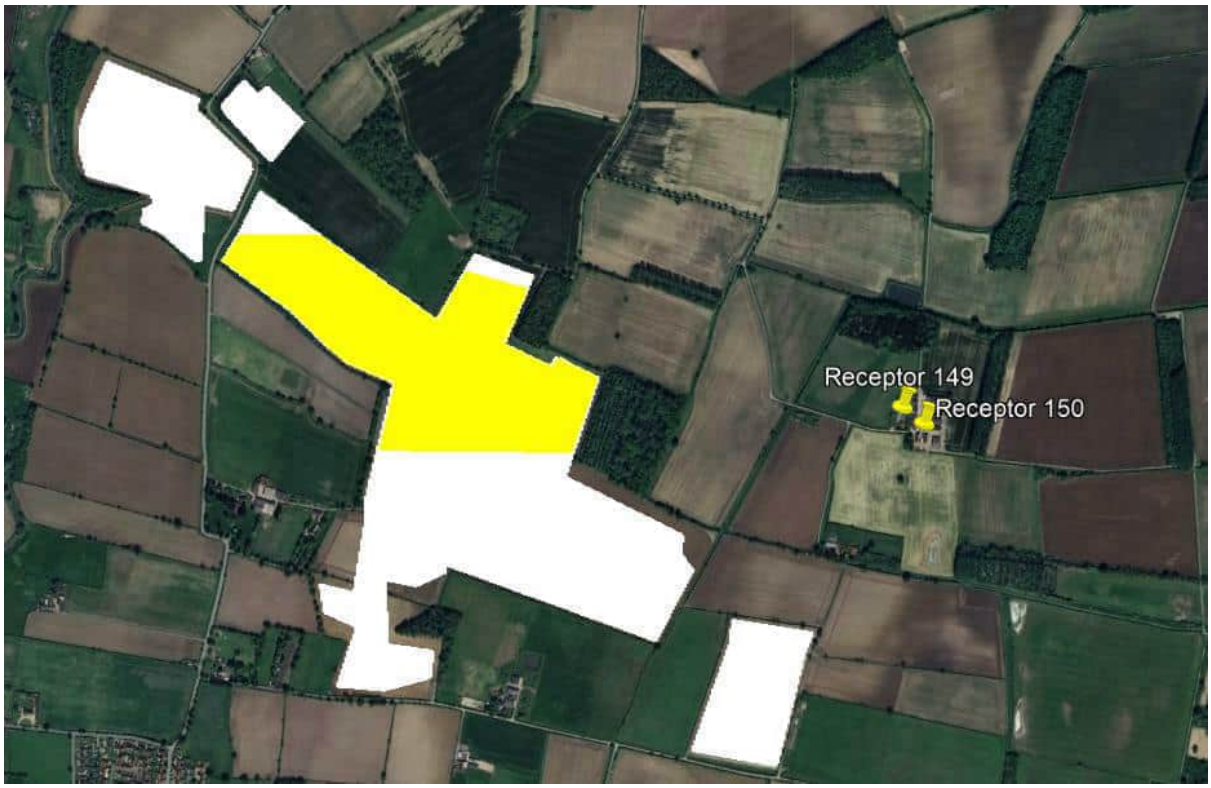


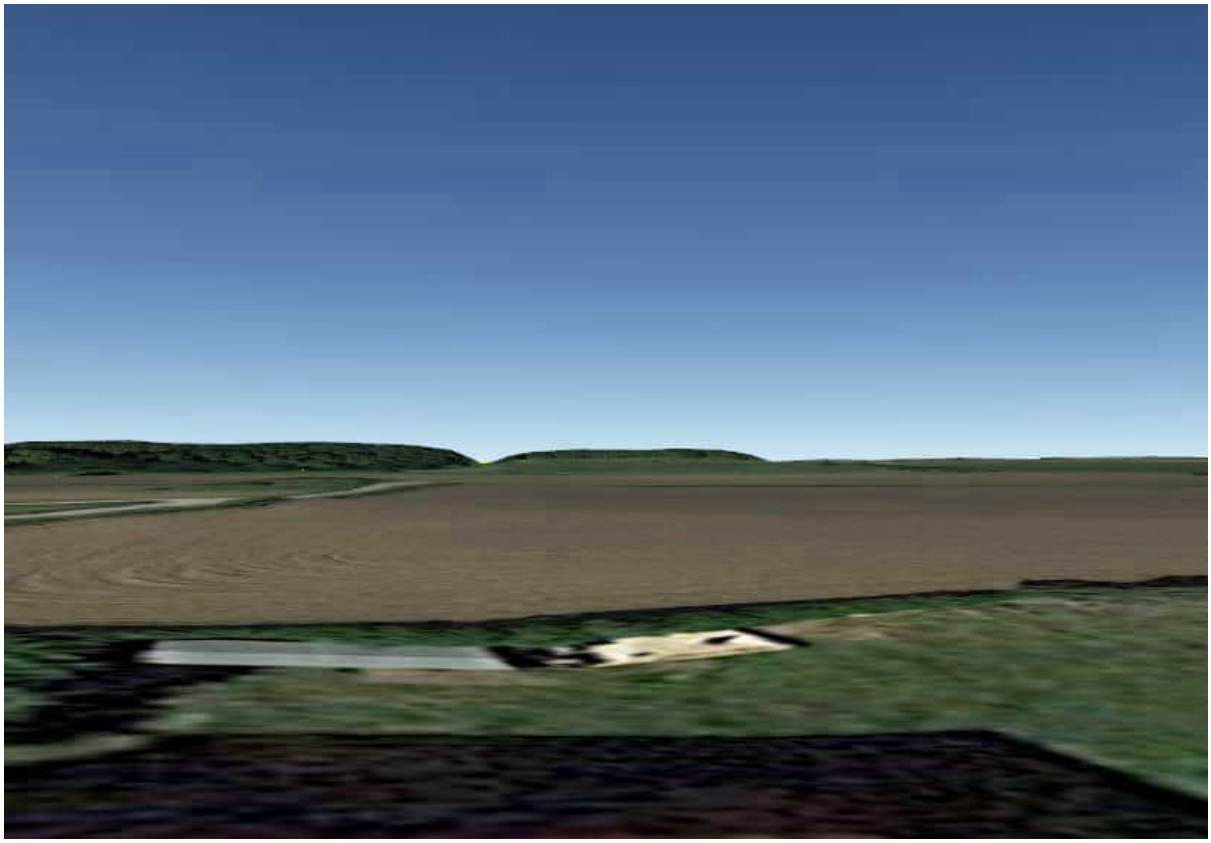
Receptor 148 (Group B Receptor 68)



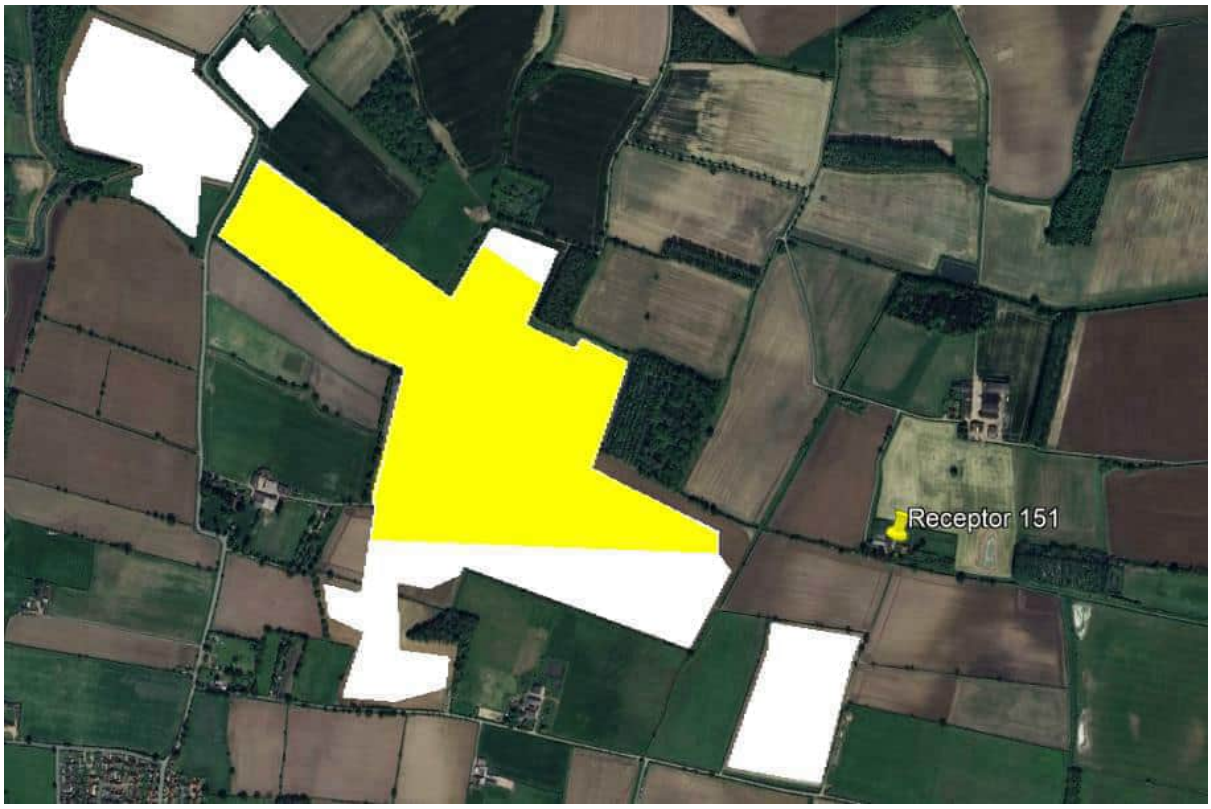


Receptors 149 and 150 (Group B Receptors 69 and 70)





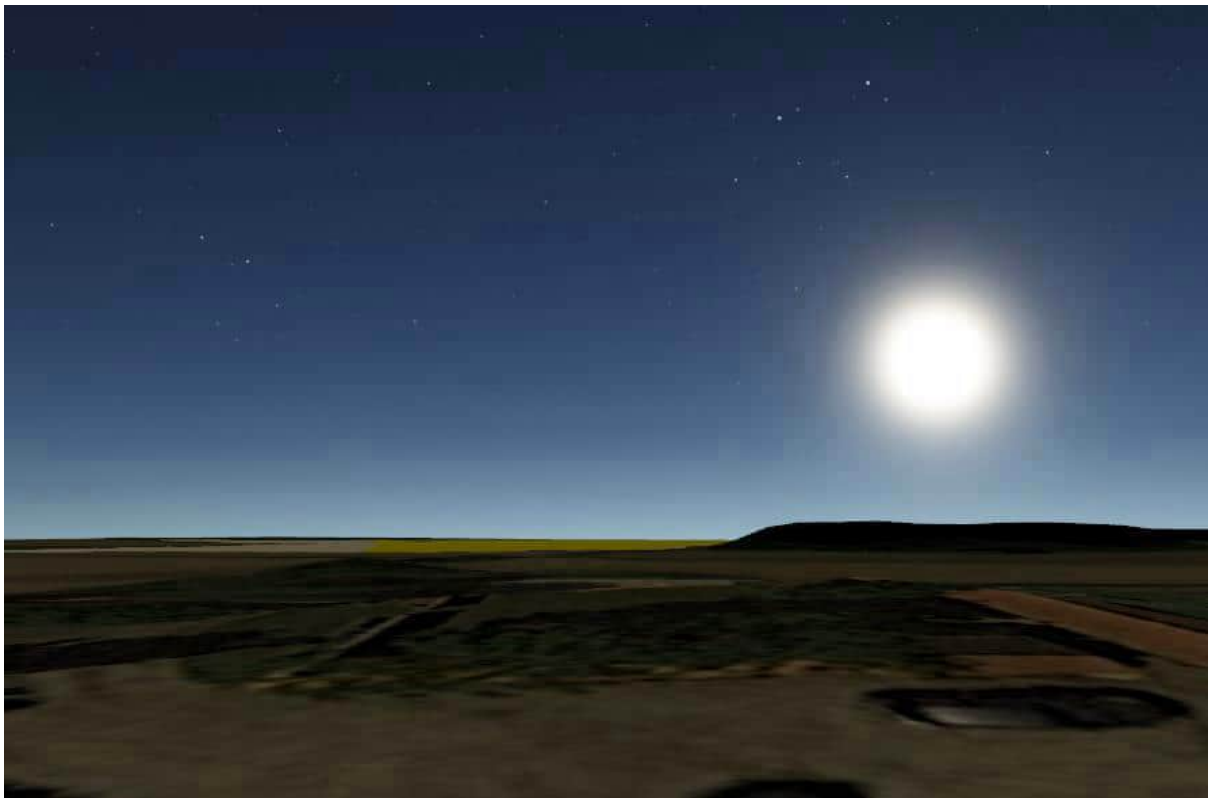
Receptor 151 (Group B Receptor 71)



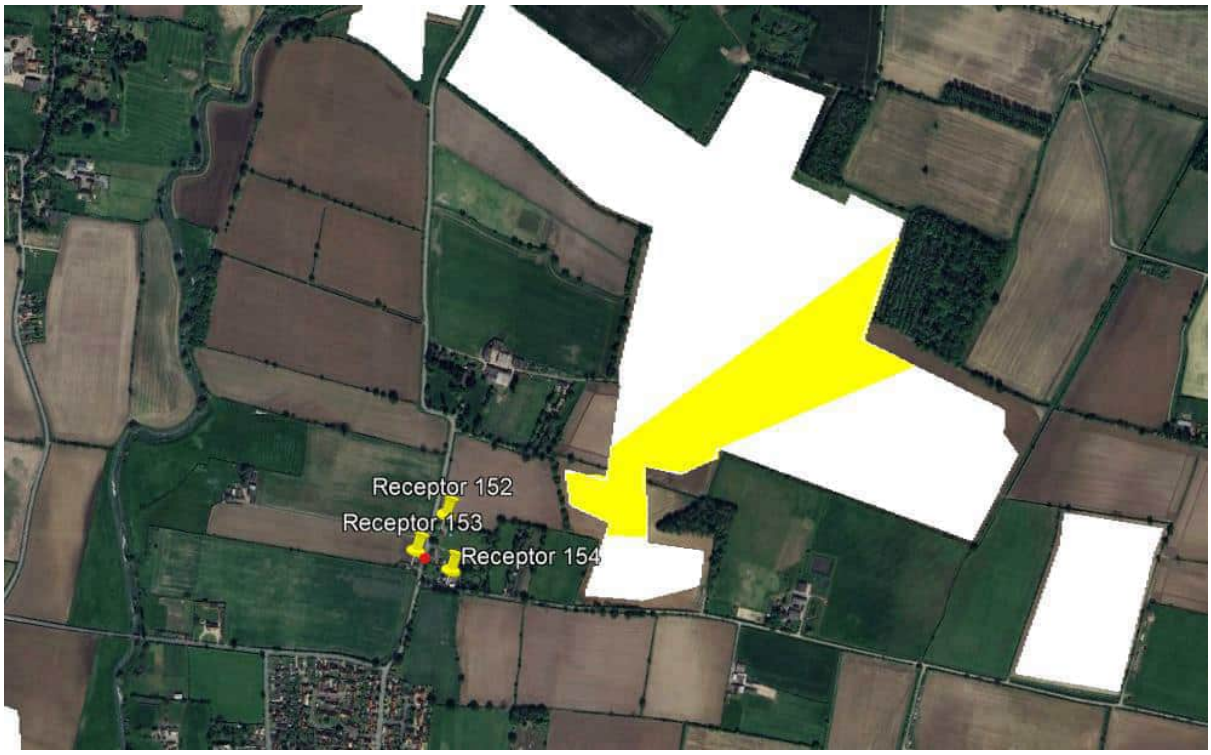
March 20th 17:45 UTC

May 1st 19:00 UTC

July 1st 19:15 UTC



Receptors 152 – 154 (Group B Receptors 72 – 74)



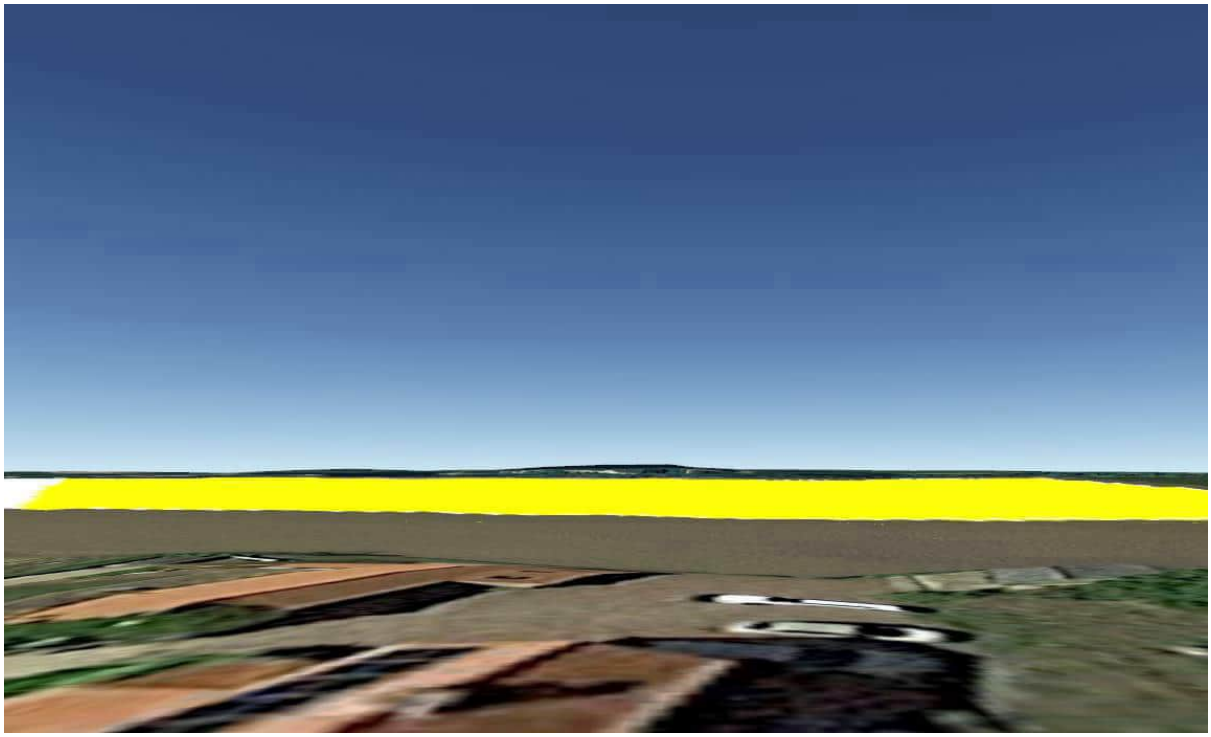
Receptor 155 (Group B Receptor 75)

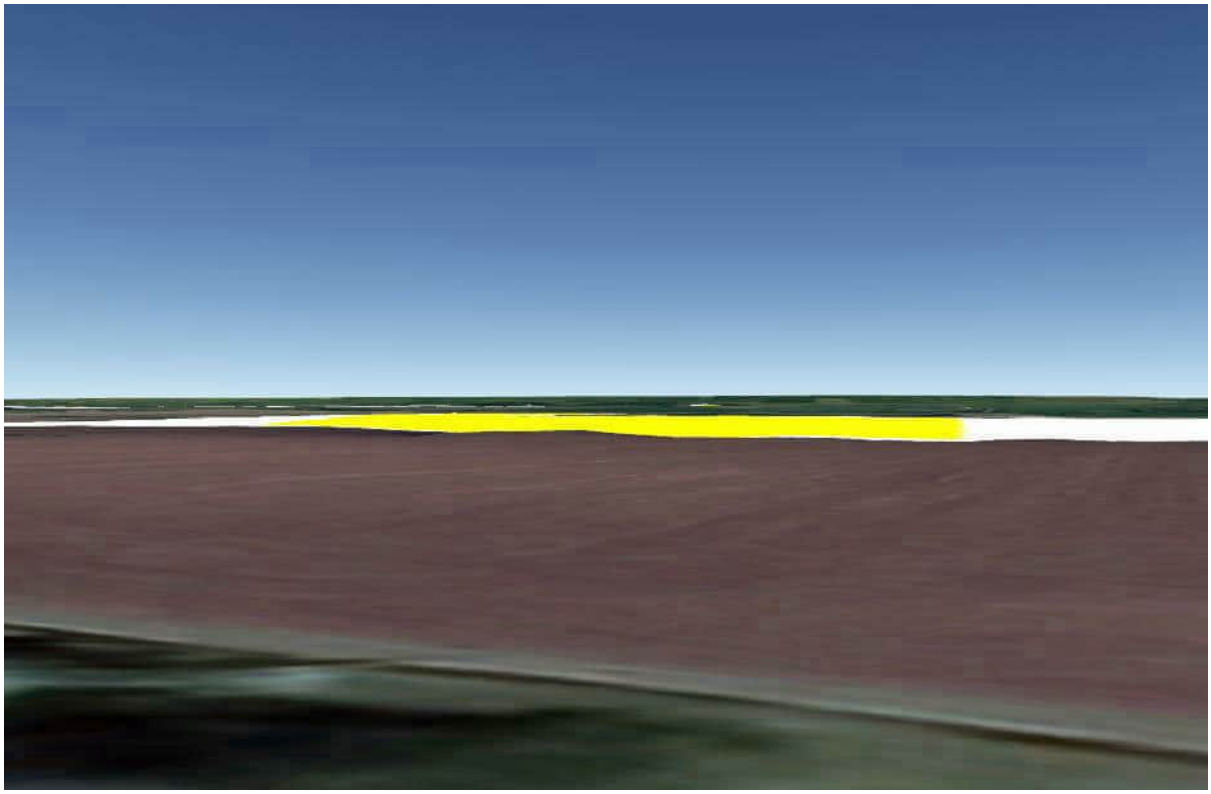
Receptor 156 (Group B Receptor 76)

Looking West

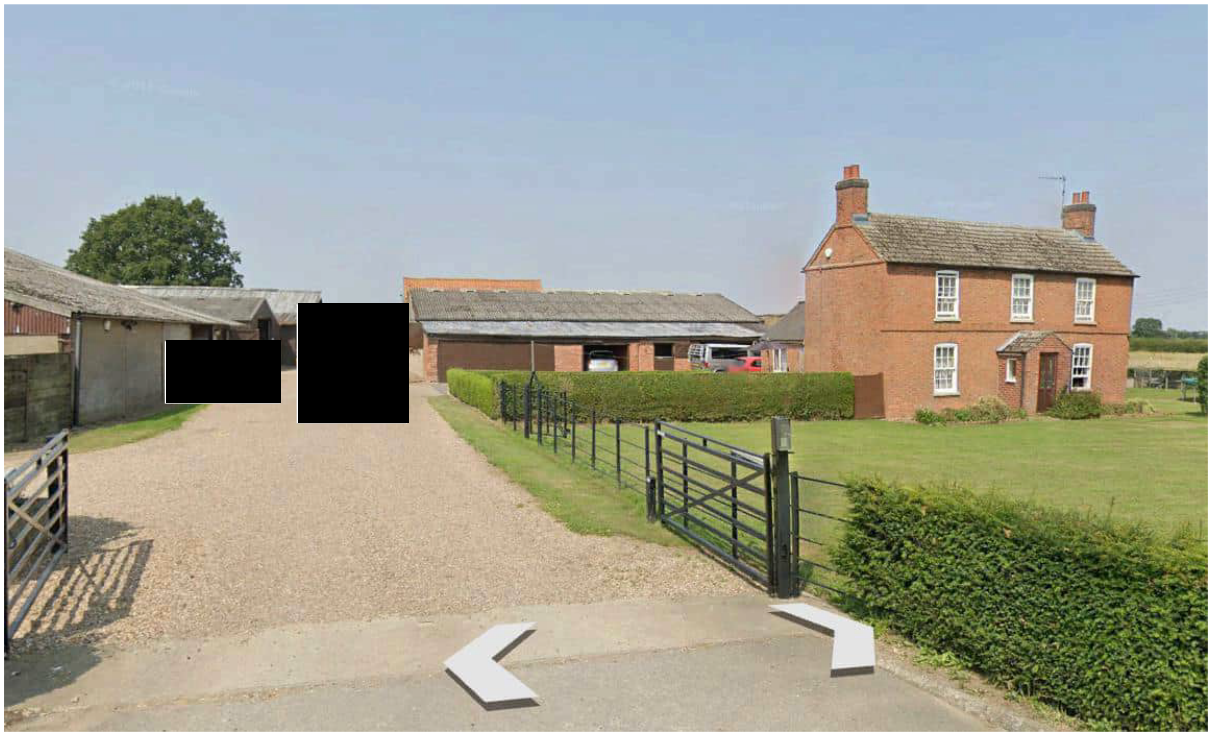
Looking East

Receptor 157 (Group B Receptor 77)





Receptor 158 (Group B Receptor 78)



Receptors 159 and 160 (Group B Receptors 79 and 80)

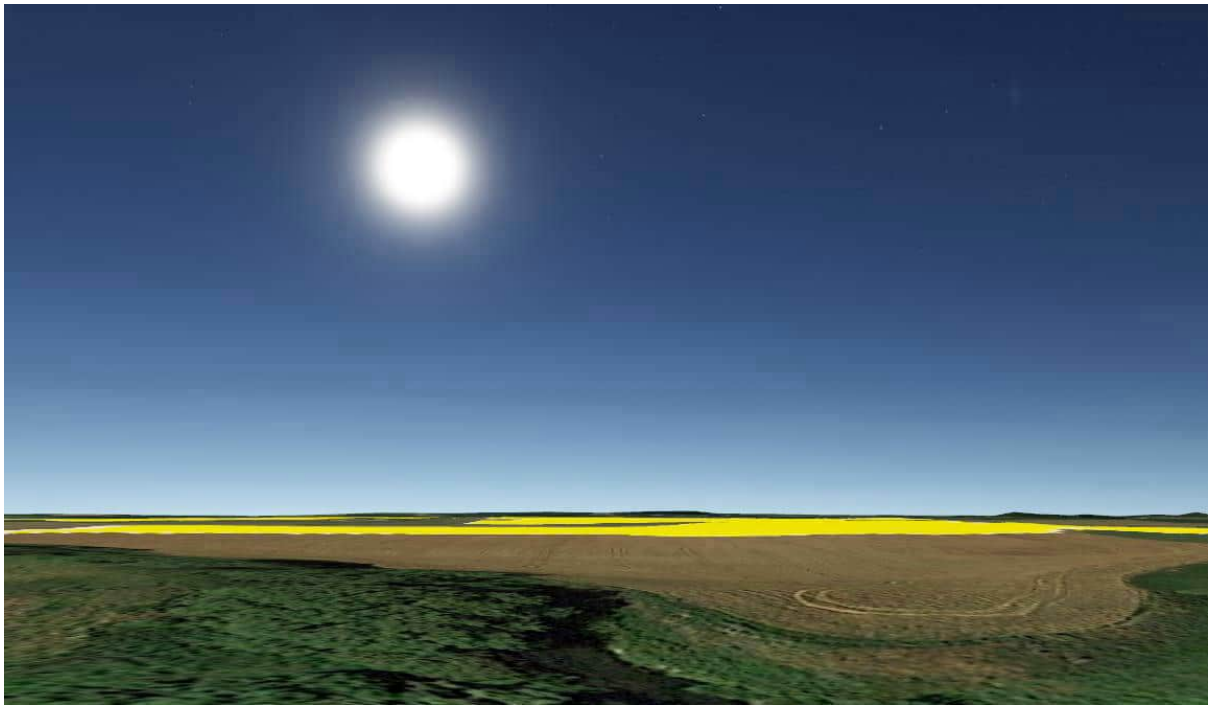
Receptor 161 (Group C Receptor 1)

Receptor 164 (Group C Receptor 4)

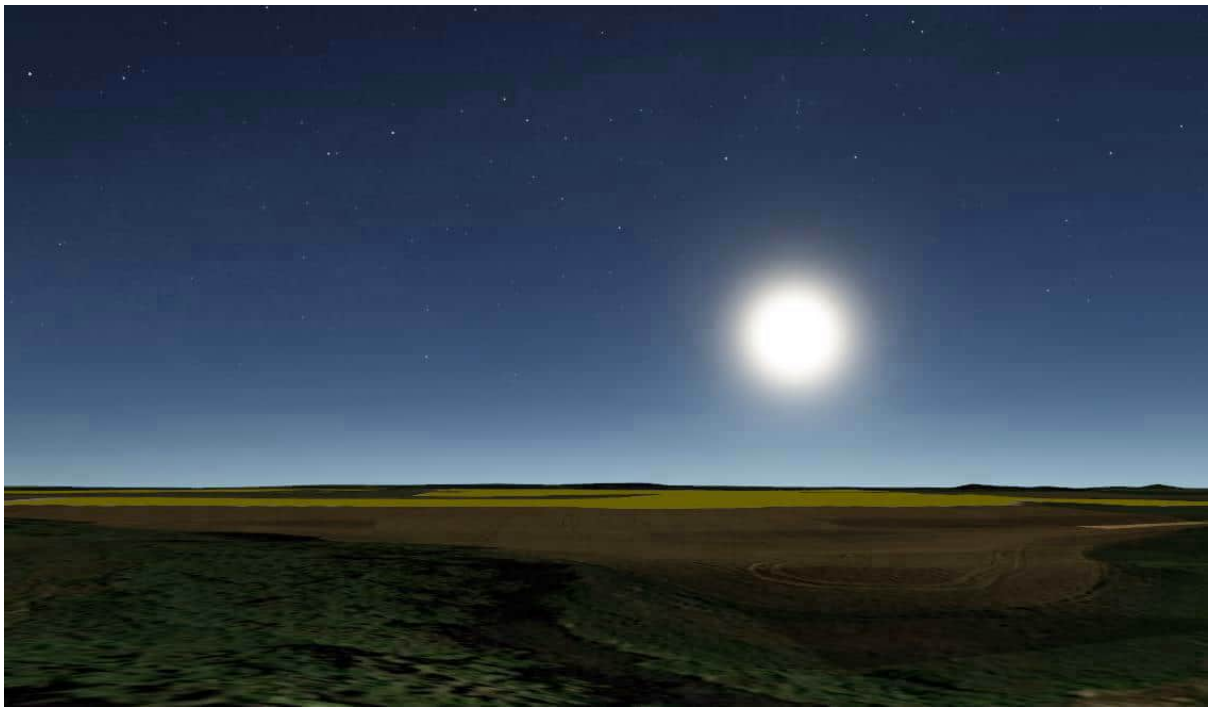
Receptors 169, 171 – 173 and 178 – 192 (Group C Receptors 9, 11 – 13 and 18 - 32)

March 25th 17:45 UTC

May 1st 17:00 UTC

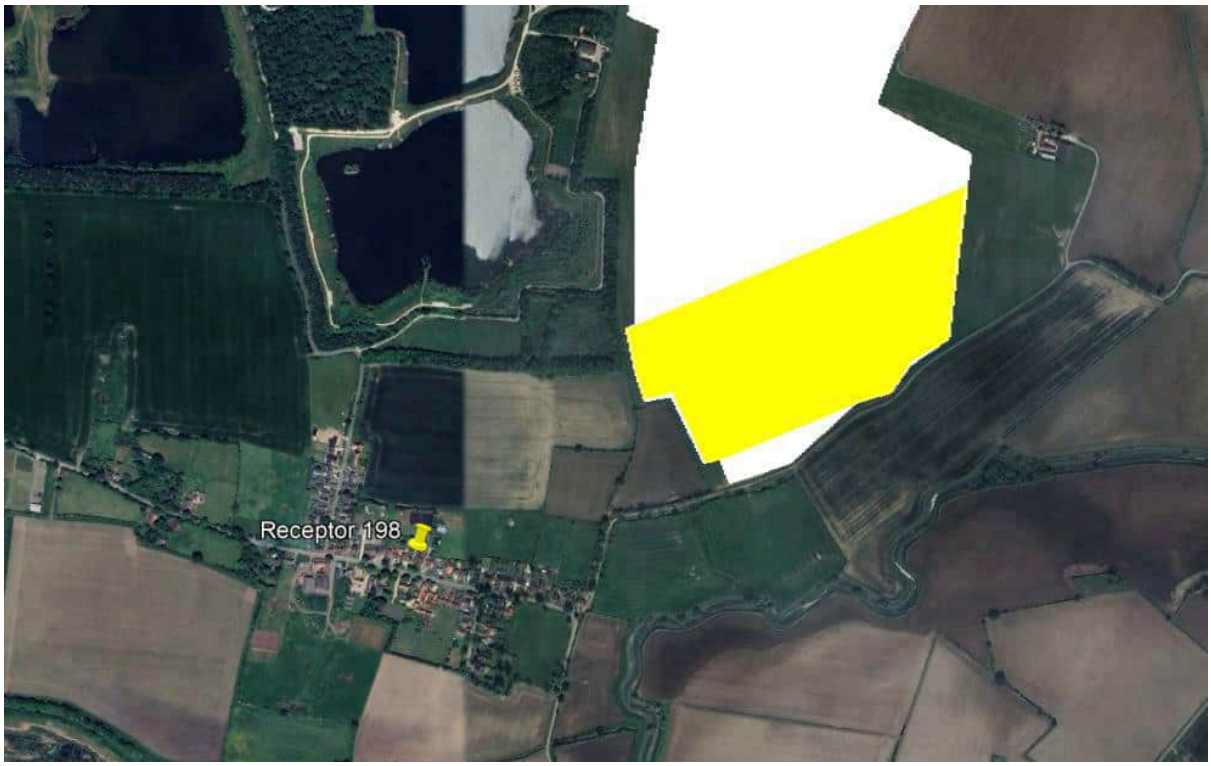


June 1st 19:00 UTC

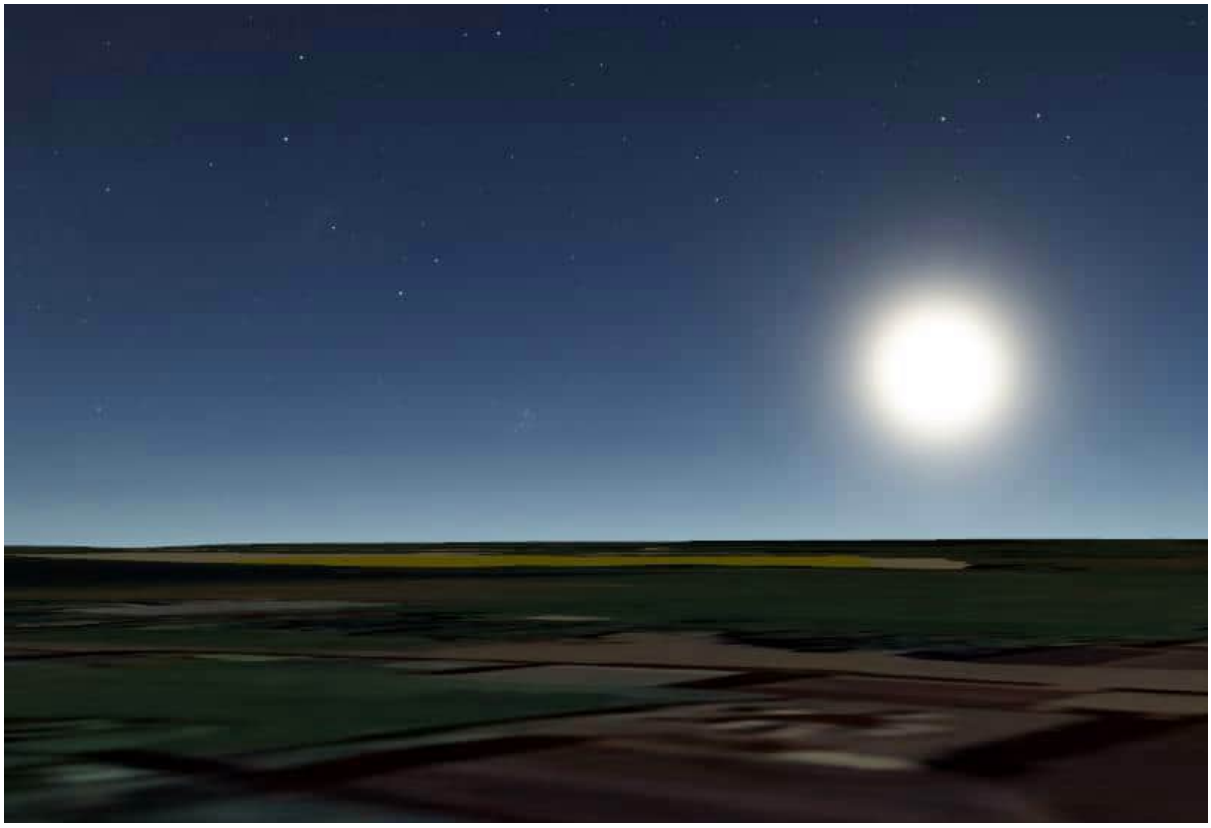


Receptor 193 (Group C Receptor 33)

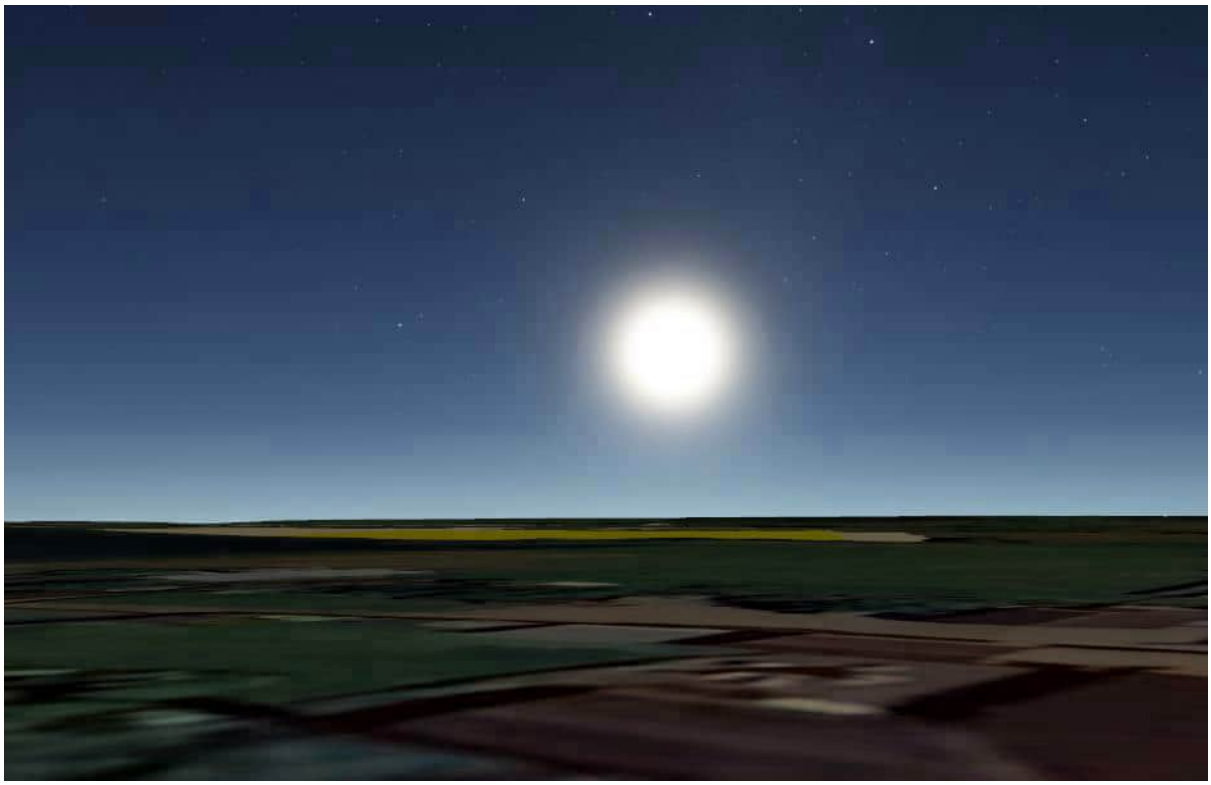
Receptor 198 (Group C Receptor 38)



May 1st 05:30 UTC



July 1st 05:00 UTC



Receptor 199 (Group C Receptor 39)

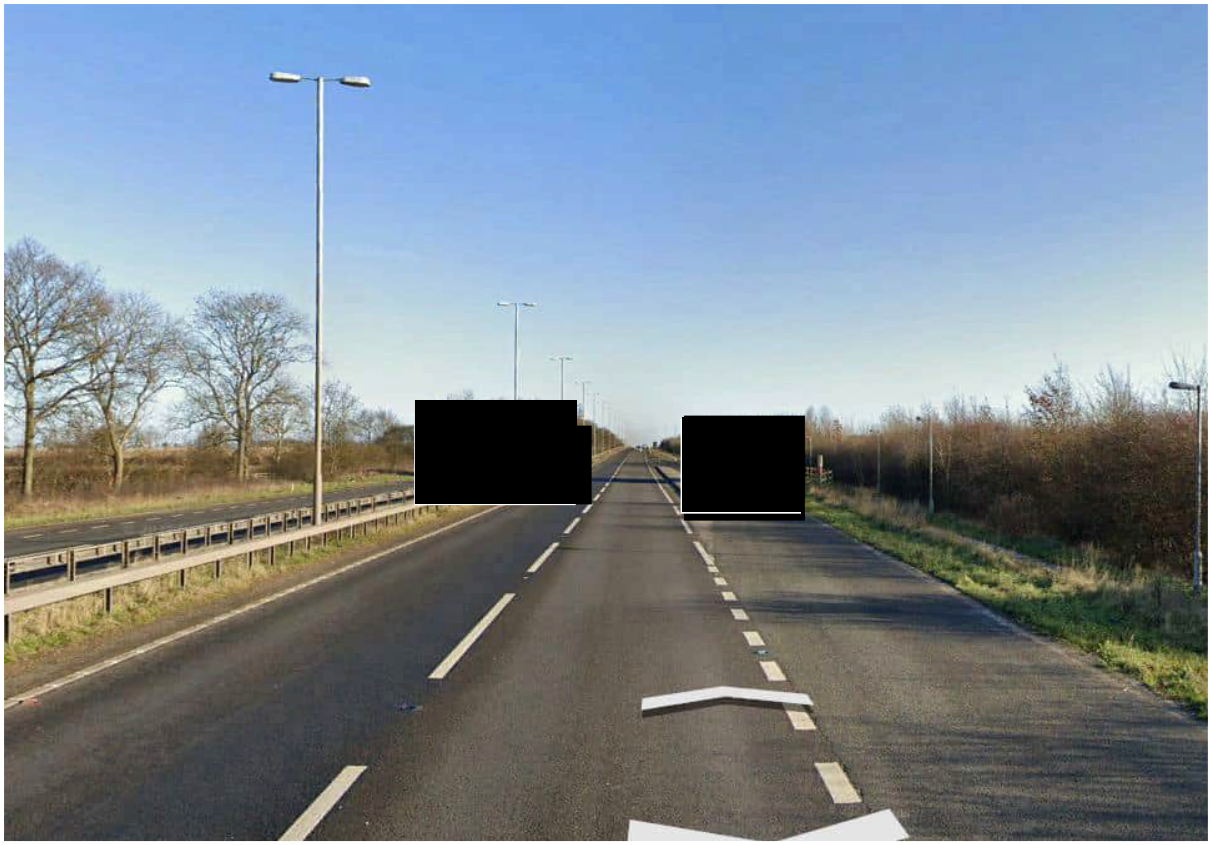
May 15th 05:00 UTC

July 1st 05:00 UTC

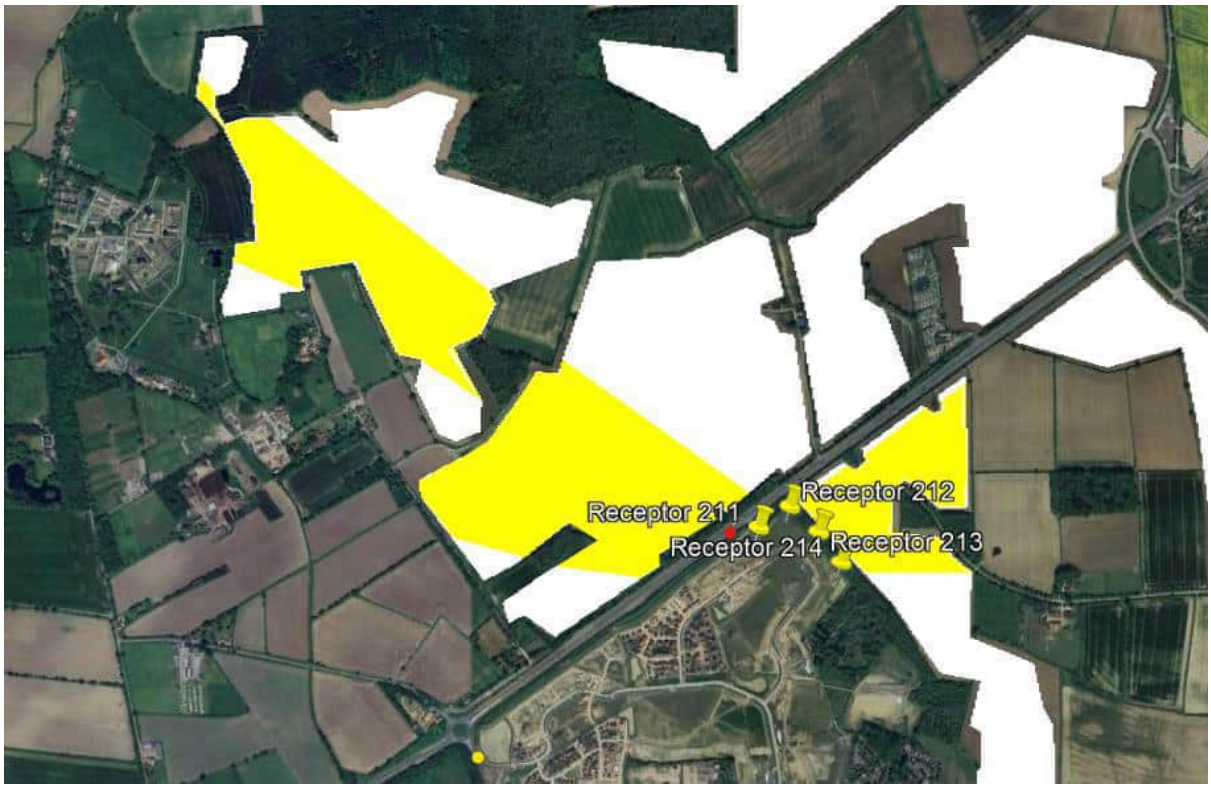
Receptor 202 (Group C Receptor 42)

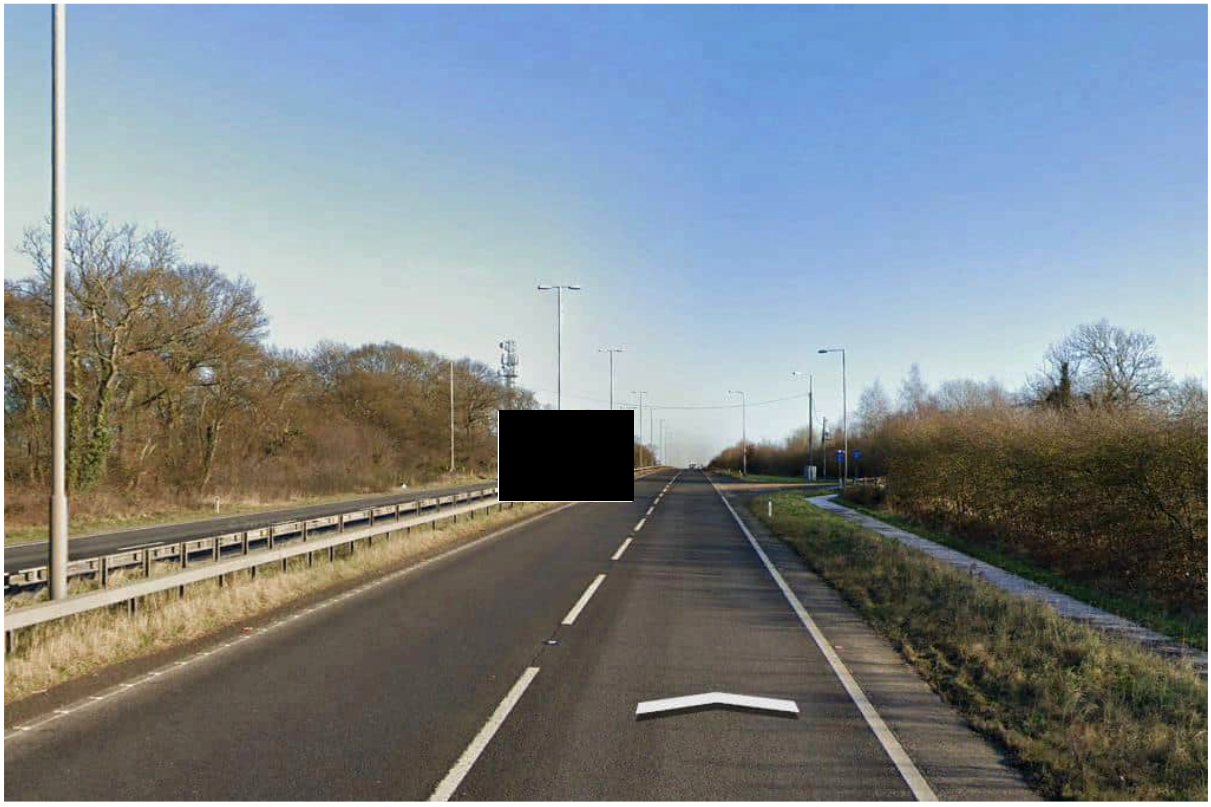
Receptor 206 (Group D Receptor 3)

Receptors 207 – 210 (Group D Receptors 4 – 7)

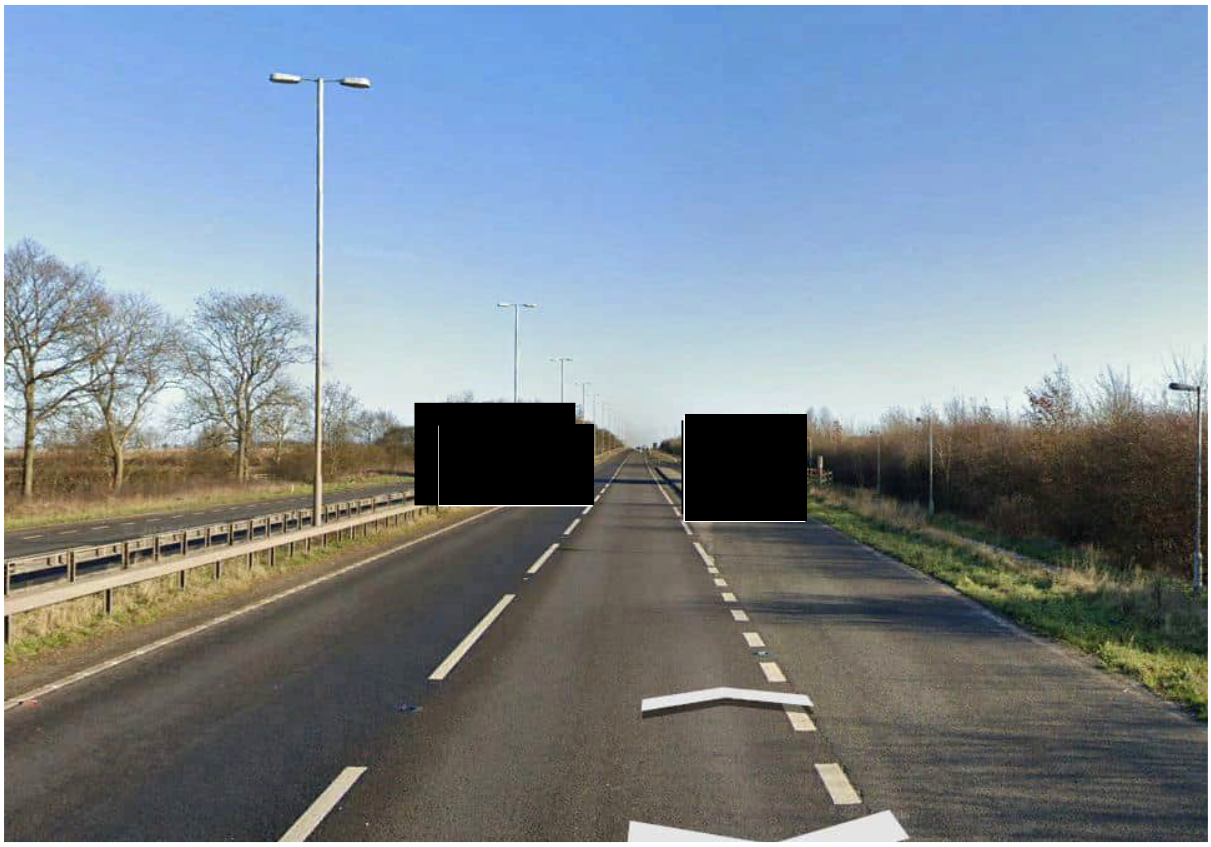


Receptors 211 – 214 (Group D Receptors 8 - 11)

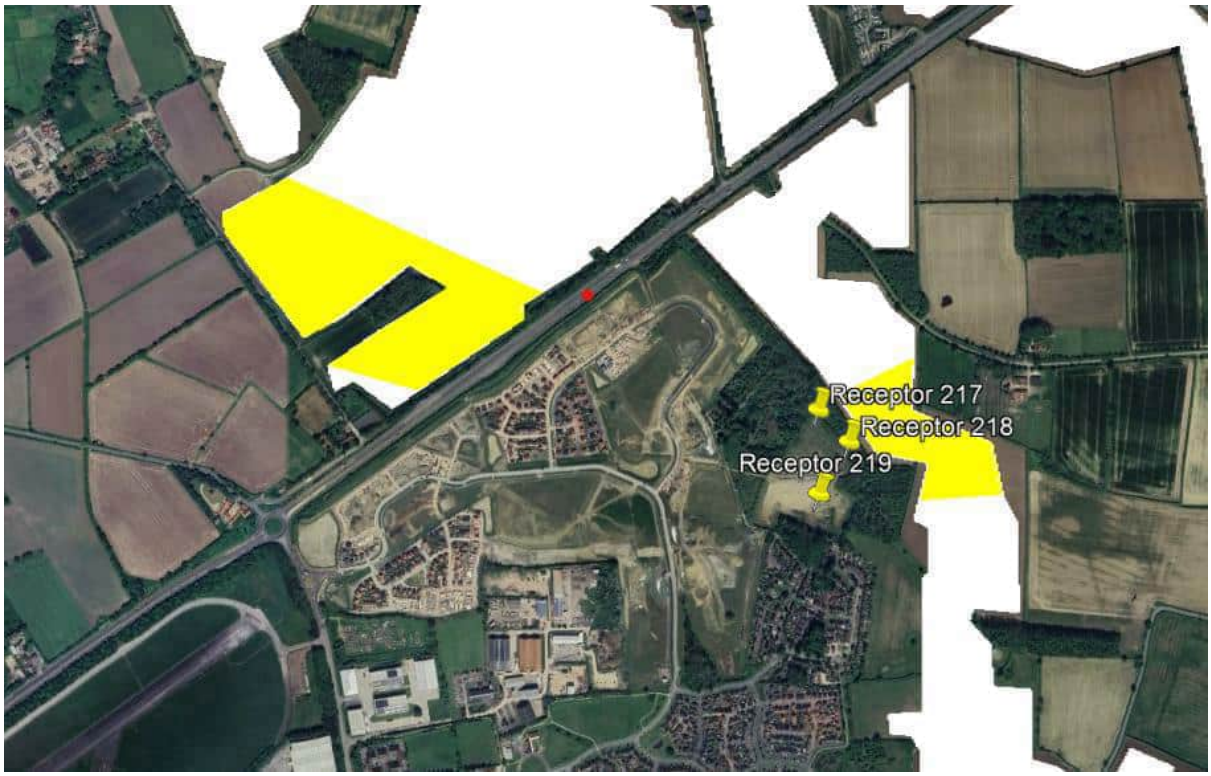




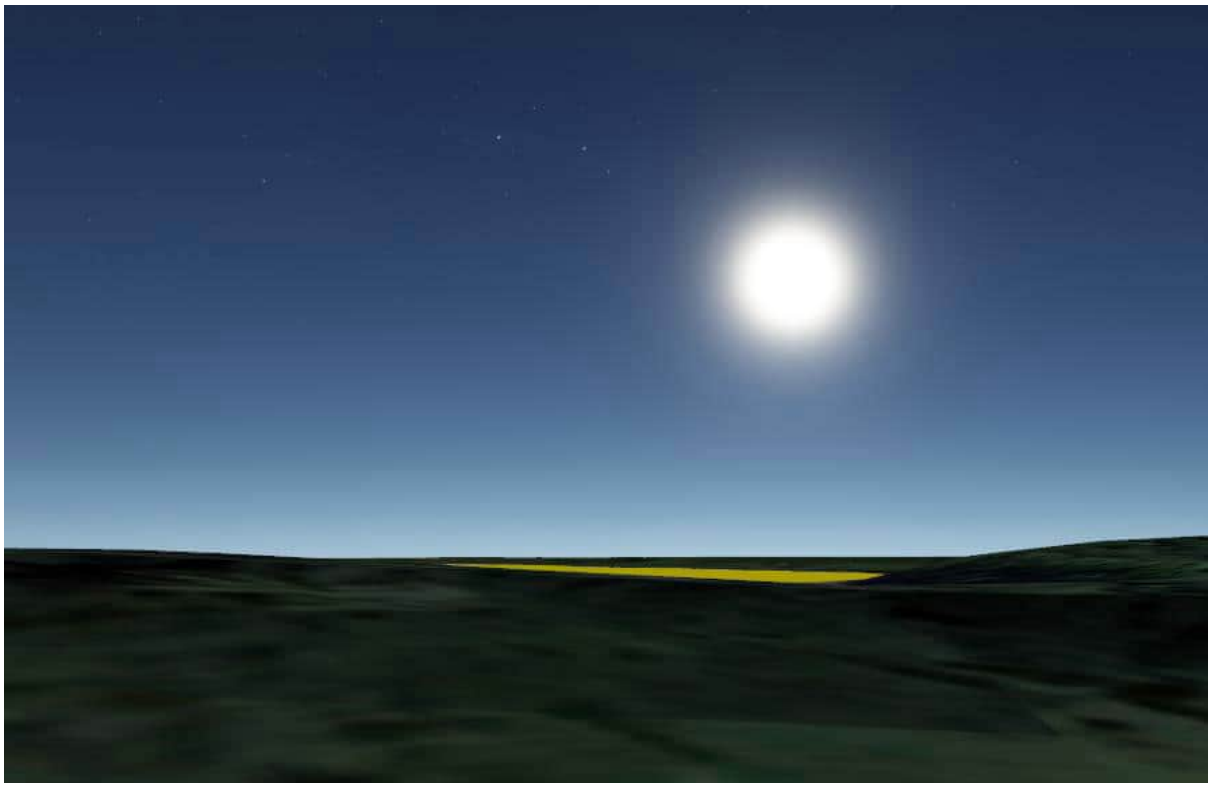
Receptors 215 and 216 (Group D Receptors 12 and 13)



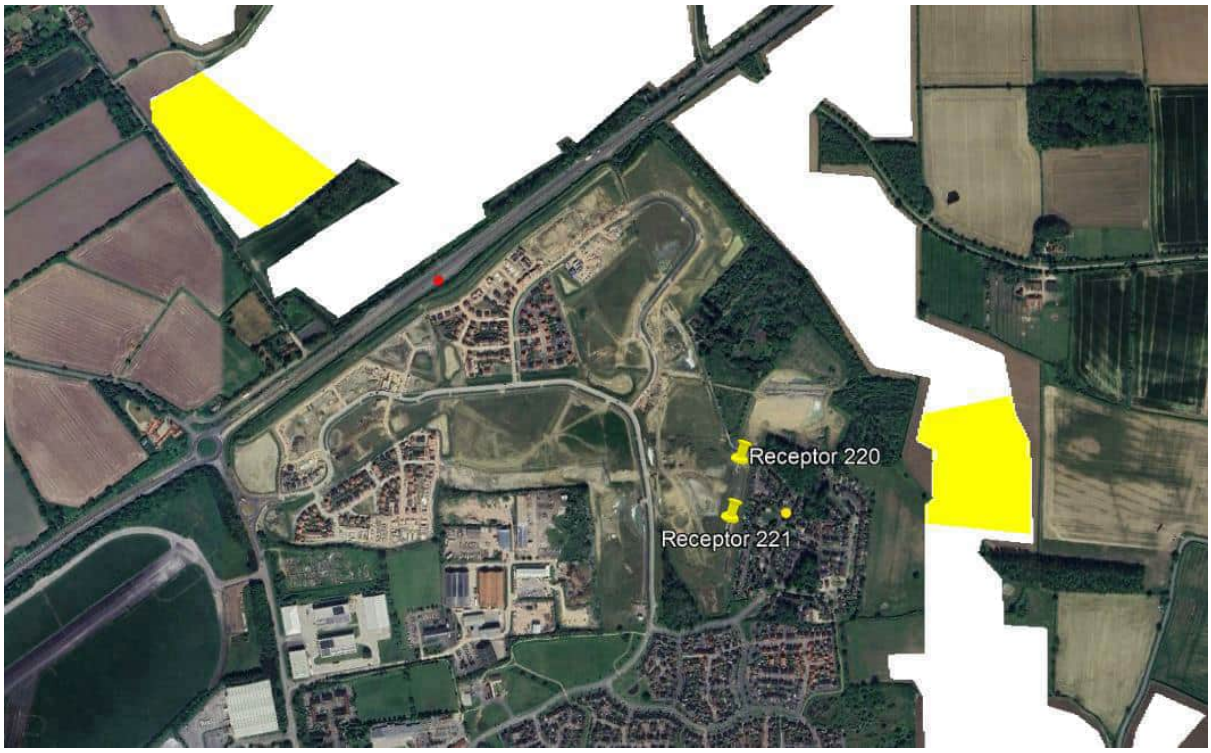
Receptors 217 - 219 (Group D Receptors 14 - 16)



April 15th 06:45 UTC



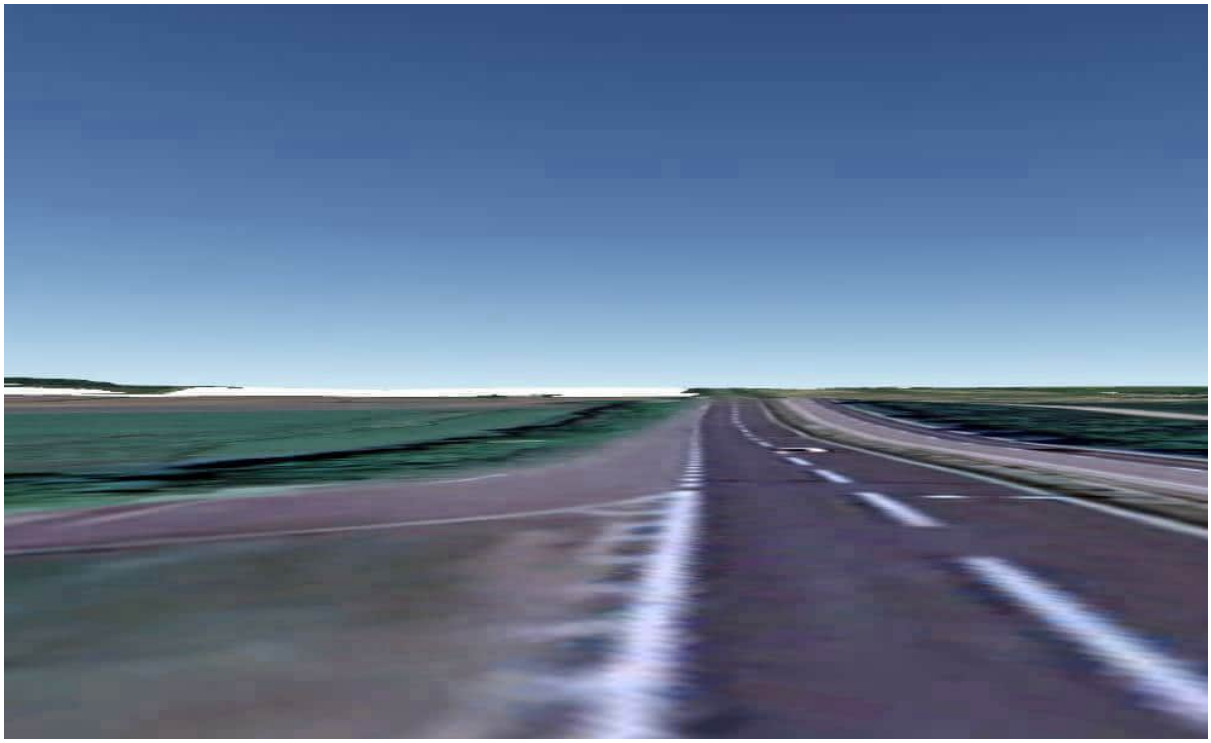
Receptors 220 and 221 (Group D Receptors 17 and 18)



Receptor 222 (Group D Receptor 19)

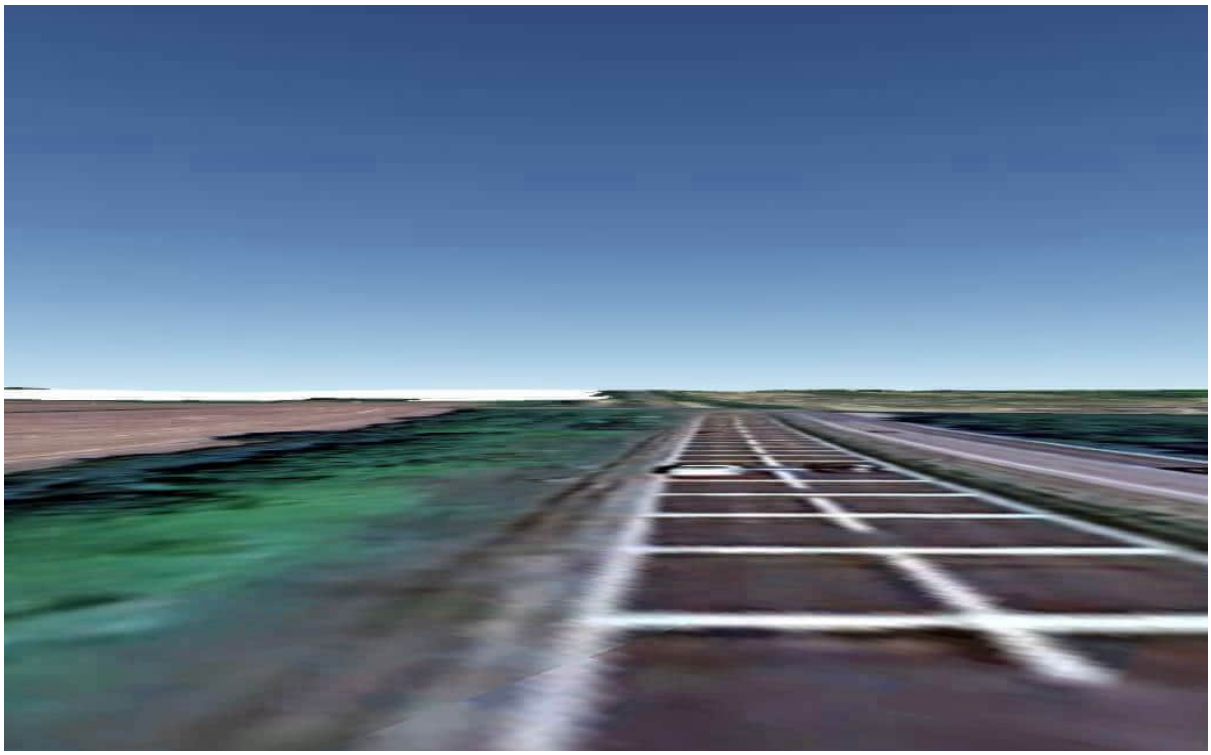
Road Receptors

Receptor 1 (Group A Receptor 1)

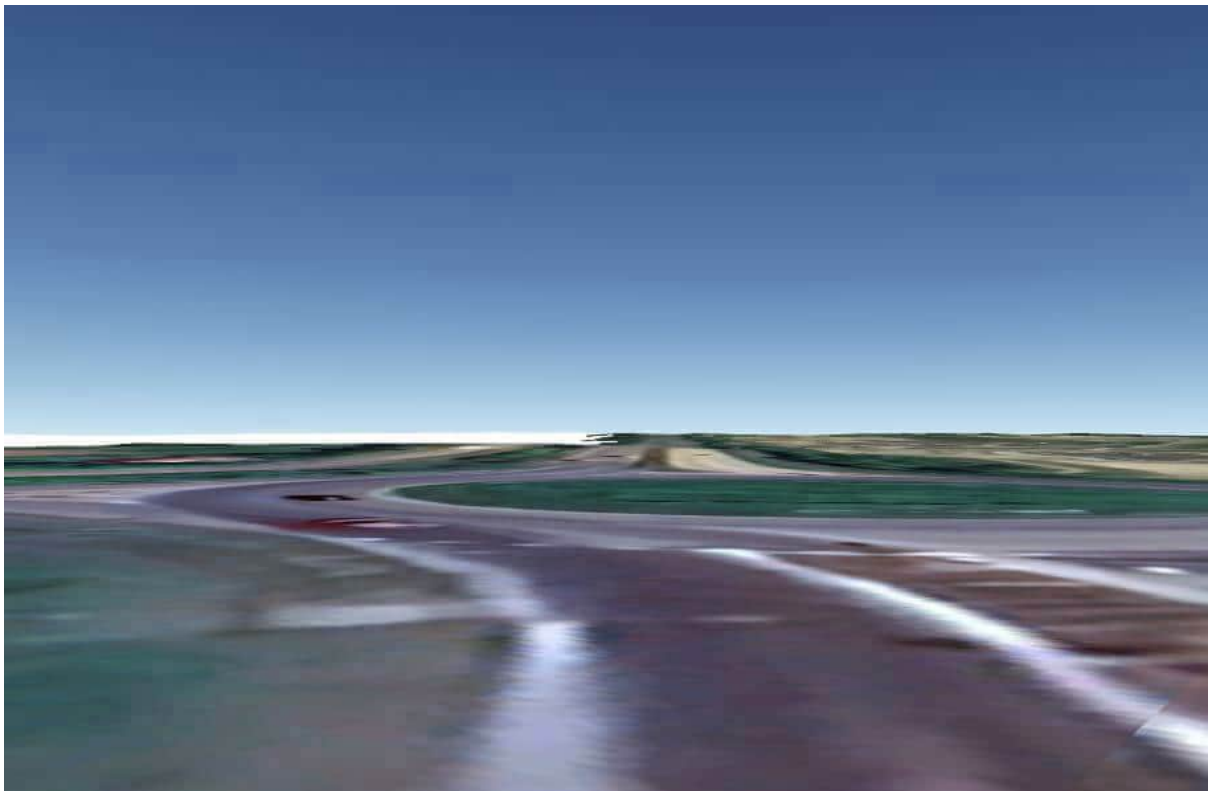


Receptor 2 (Group A Receptor 2)

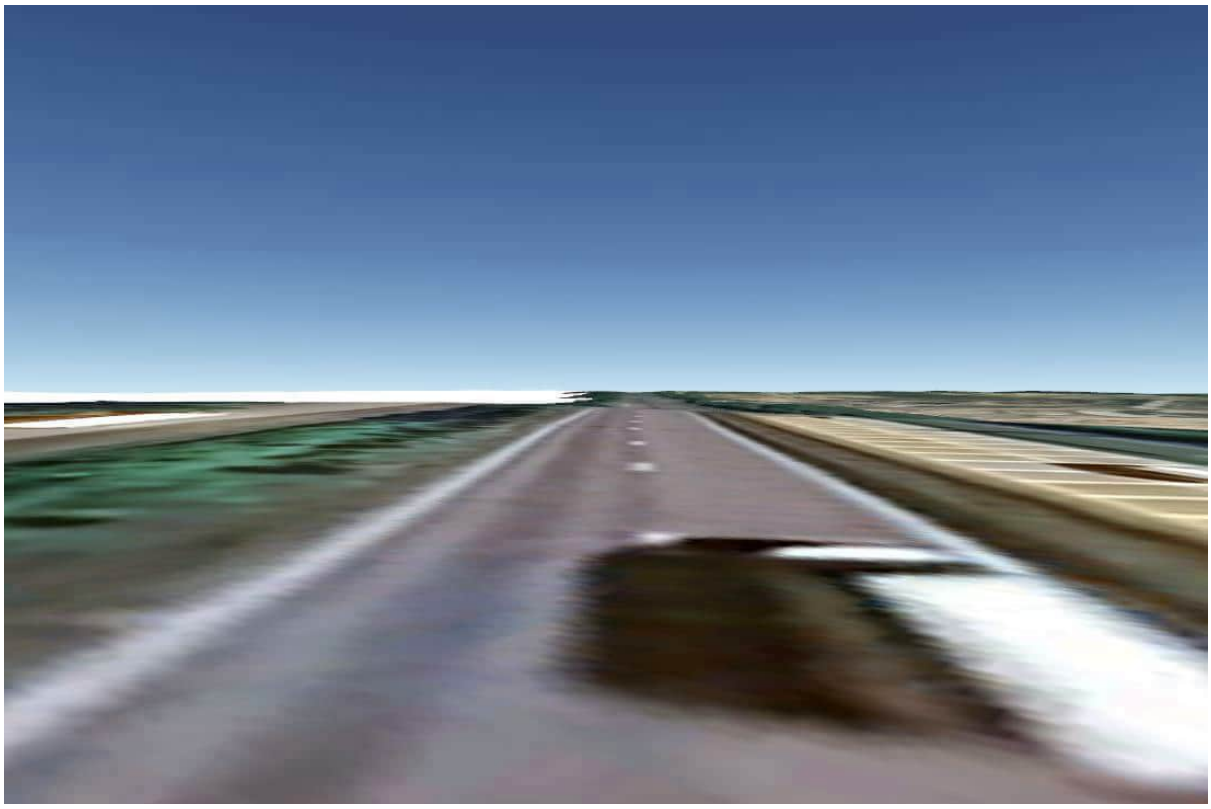
Receptor 3 (Group A Receptor 3)



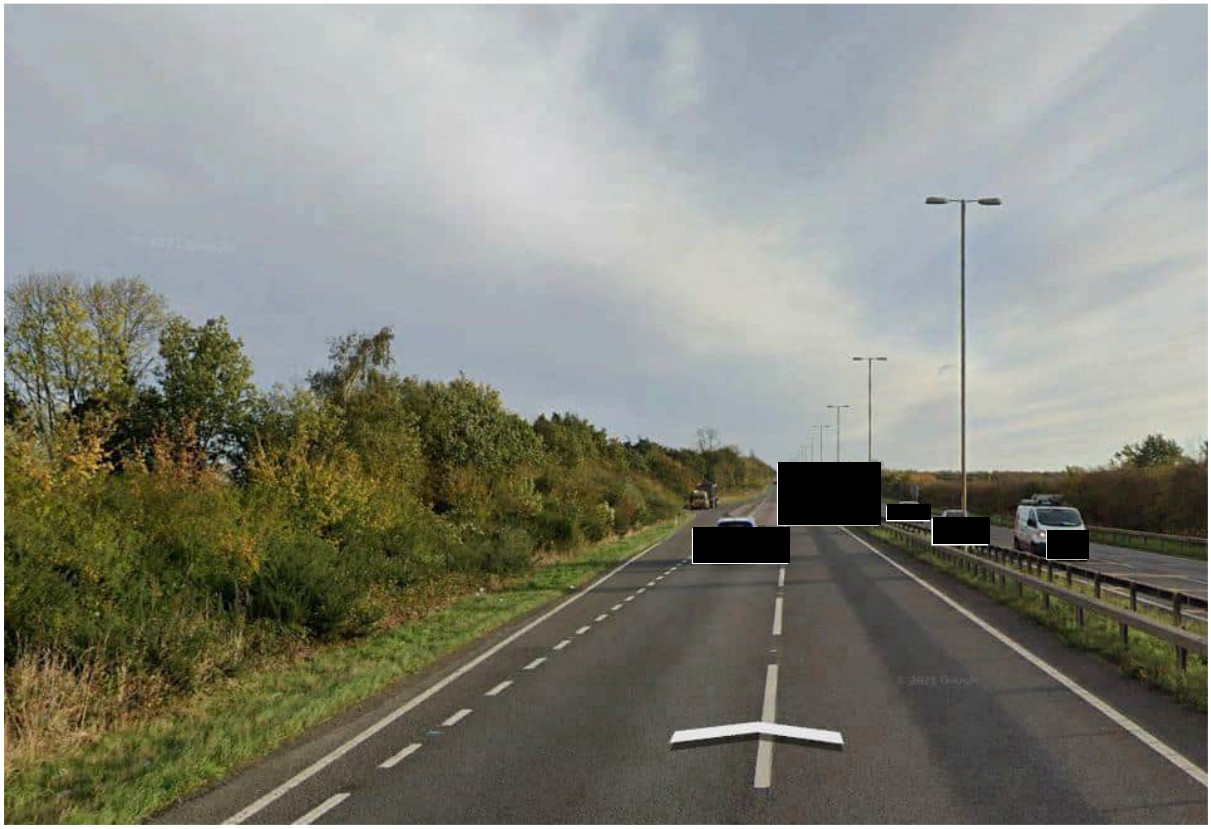
Receptor 4 (Group A Receptor 4)

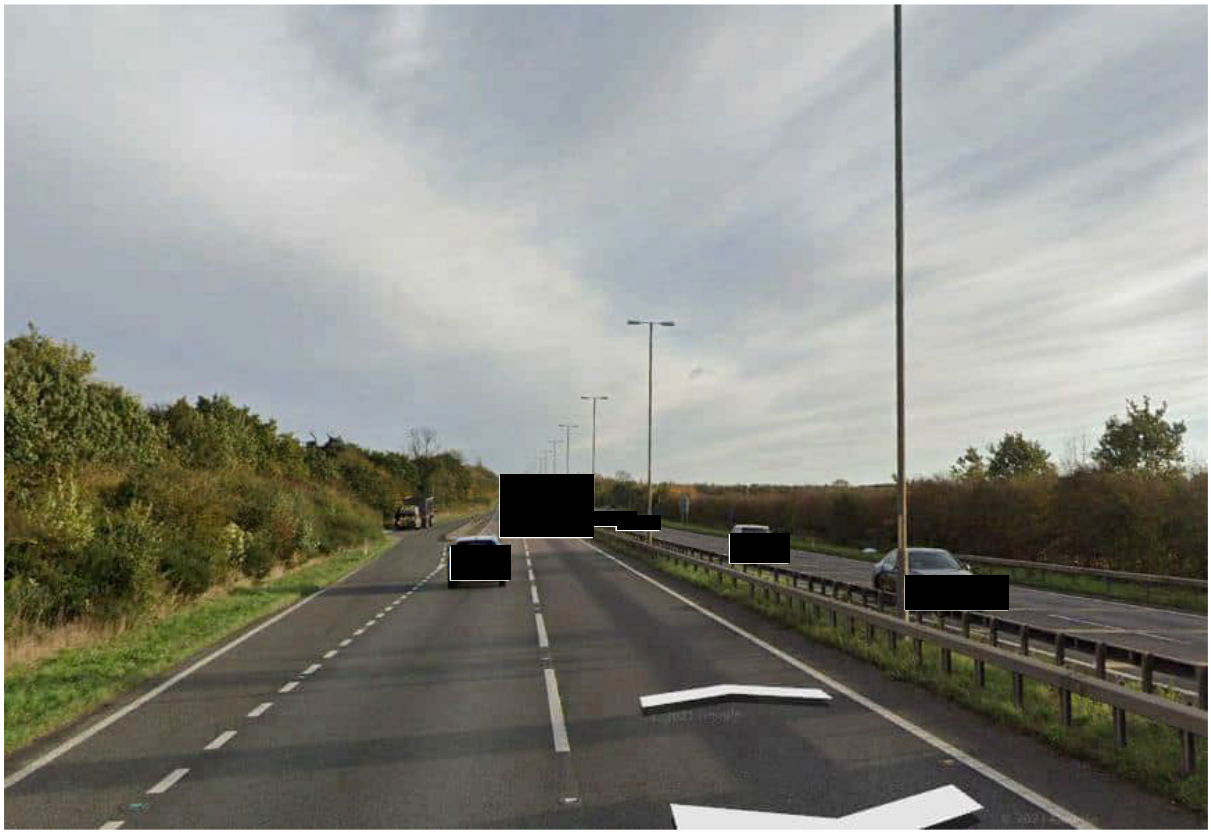


Receptor 5 (Group A Receptor 5)



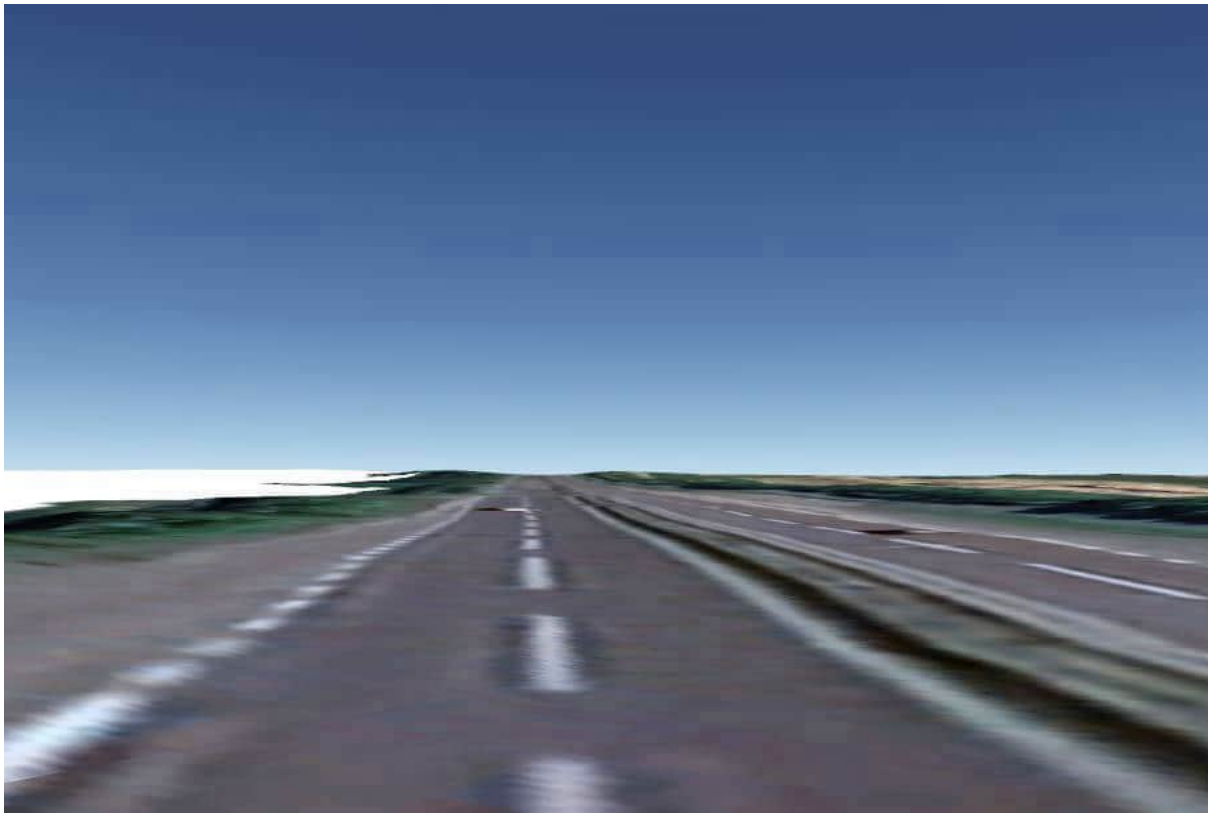
Receptor 6 (Group A Receptor 6)

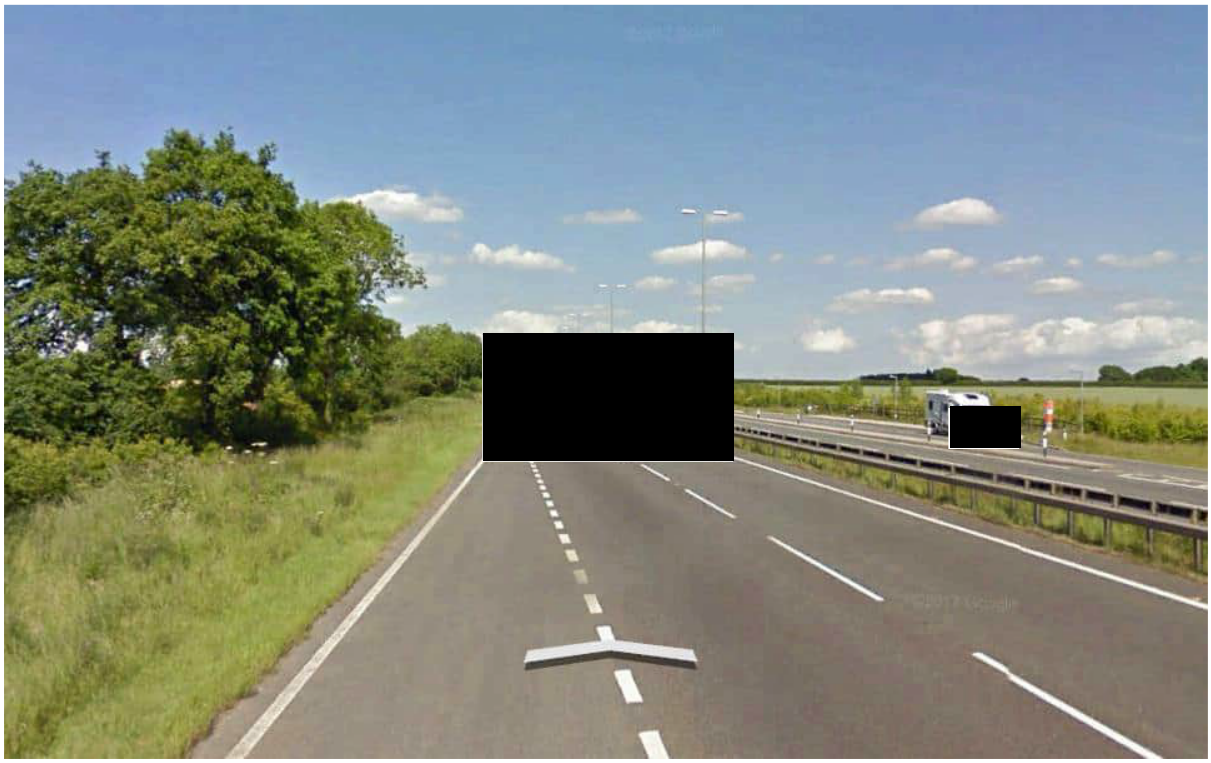




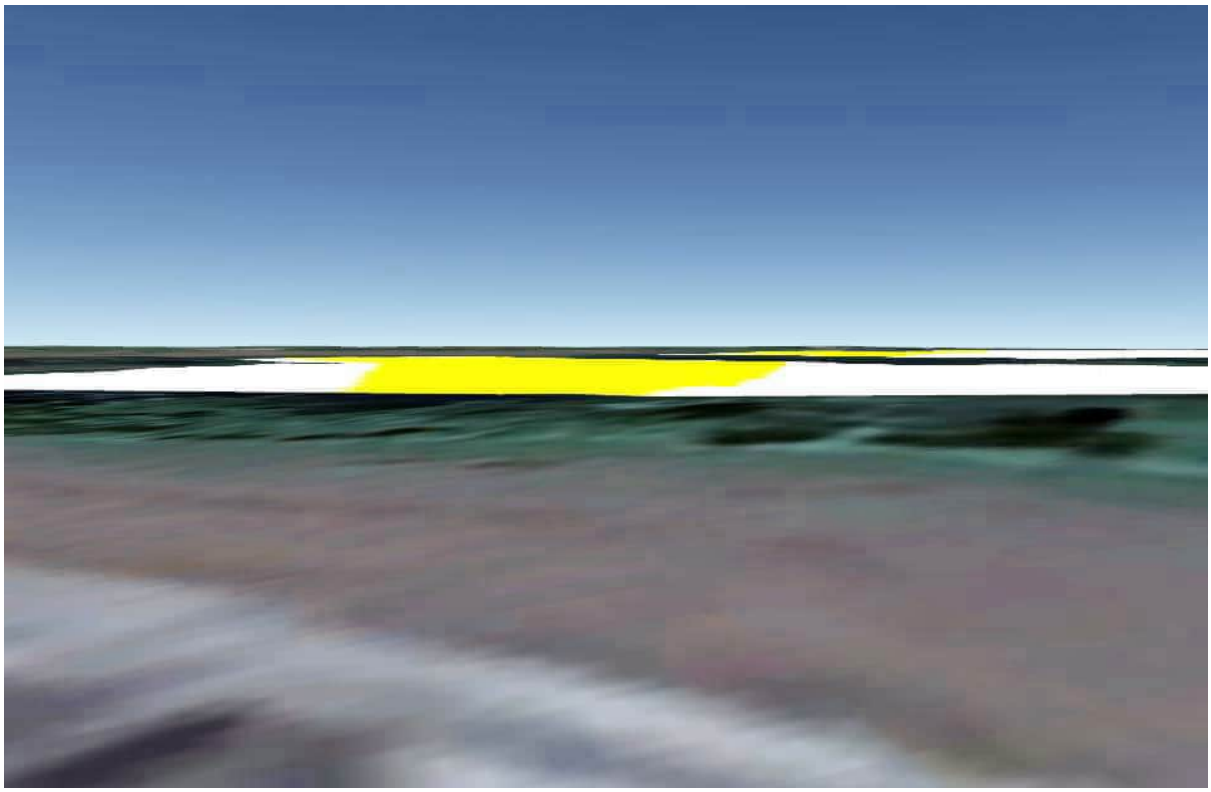
Receptor 7 (Group A Receptor 7)

Looking East



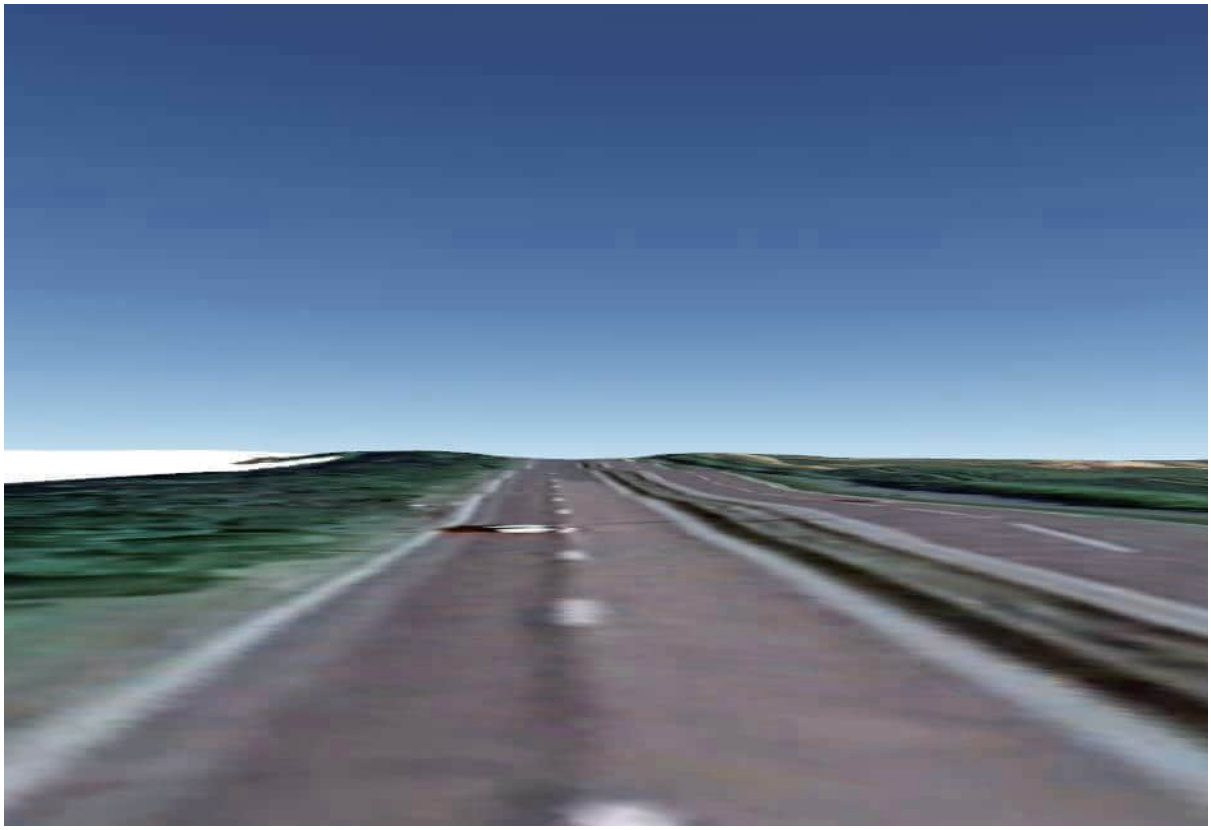


Looking West

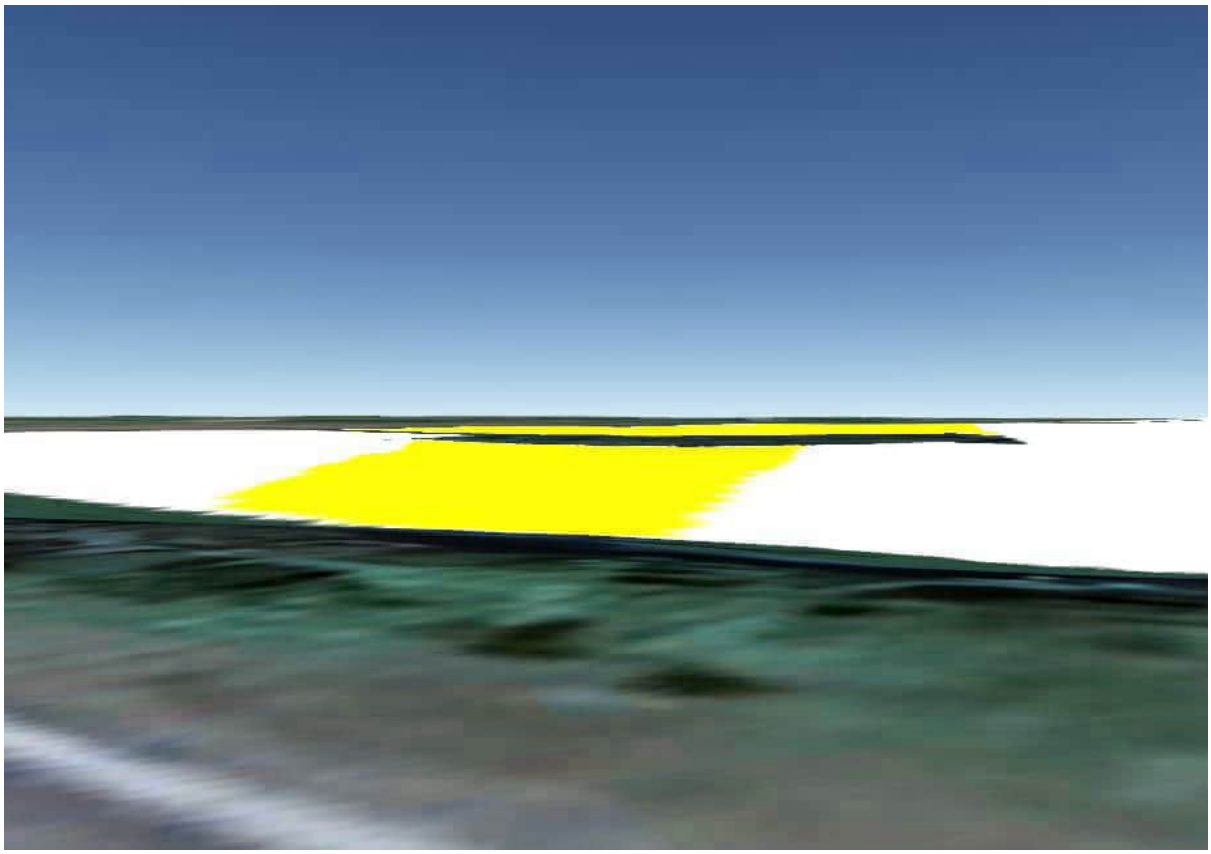


Receptor 8 (Group A Receptor 8)

Looking East

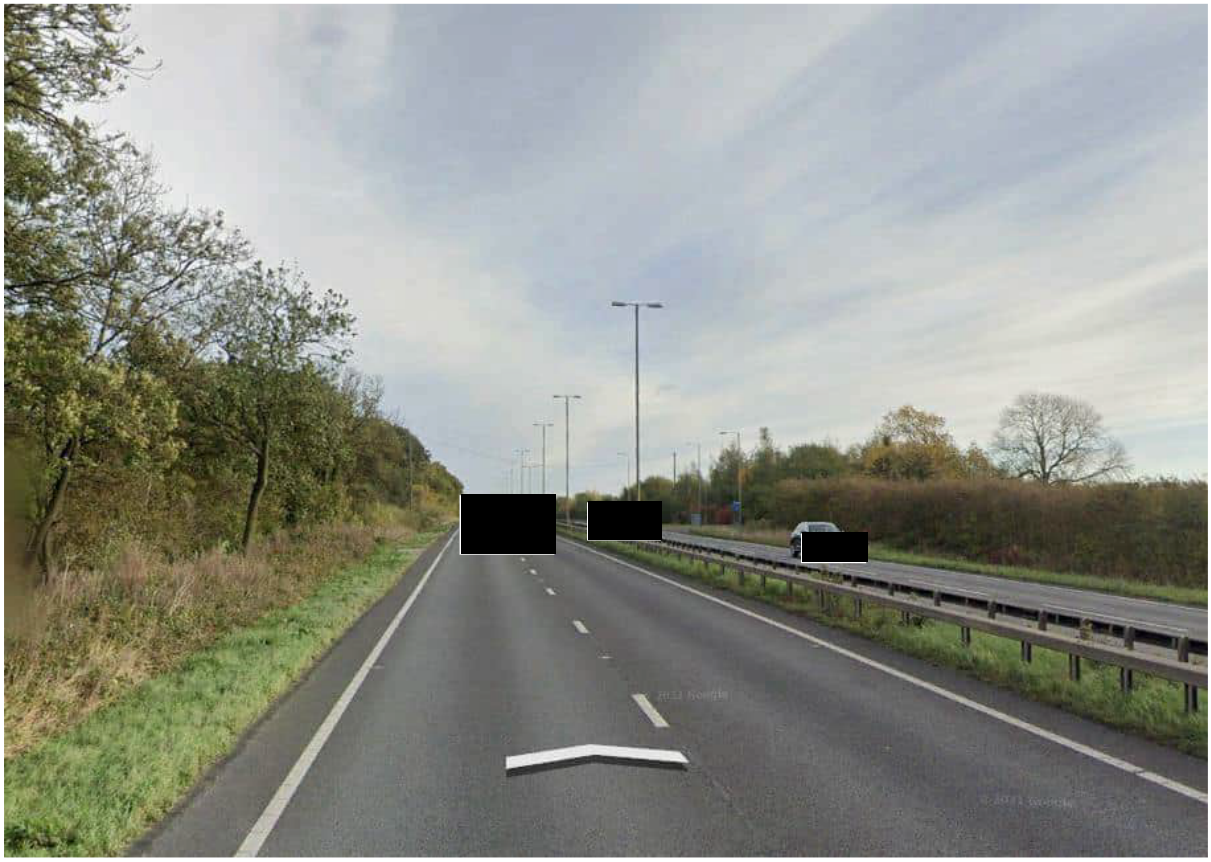


Looking West

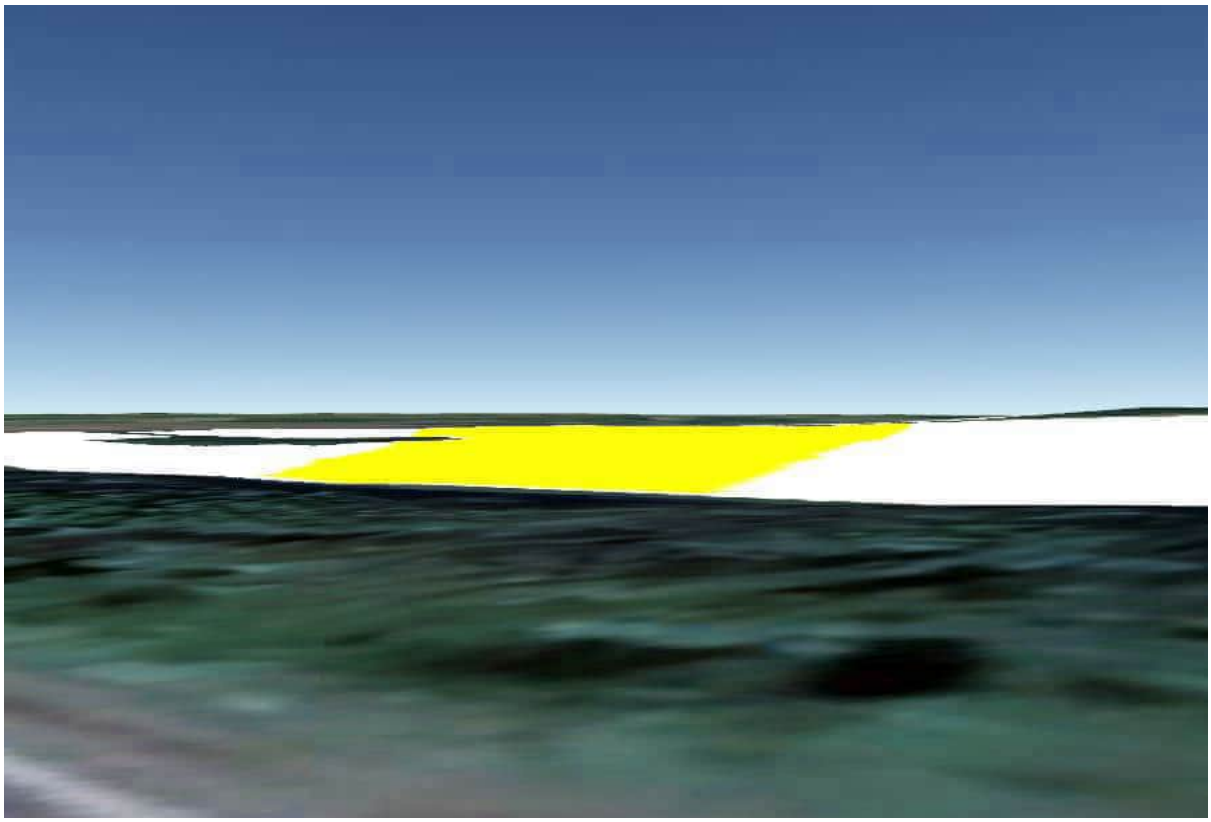


Receptor 9 (Group A Receptor 9)

Looking East

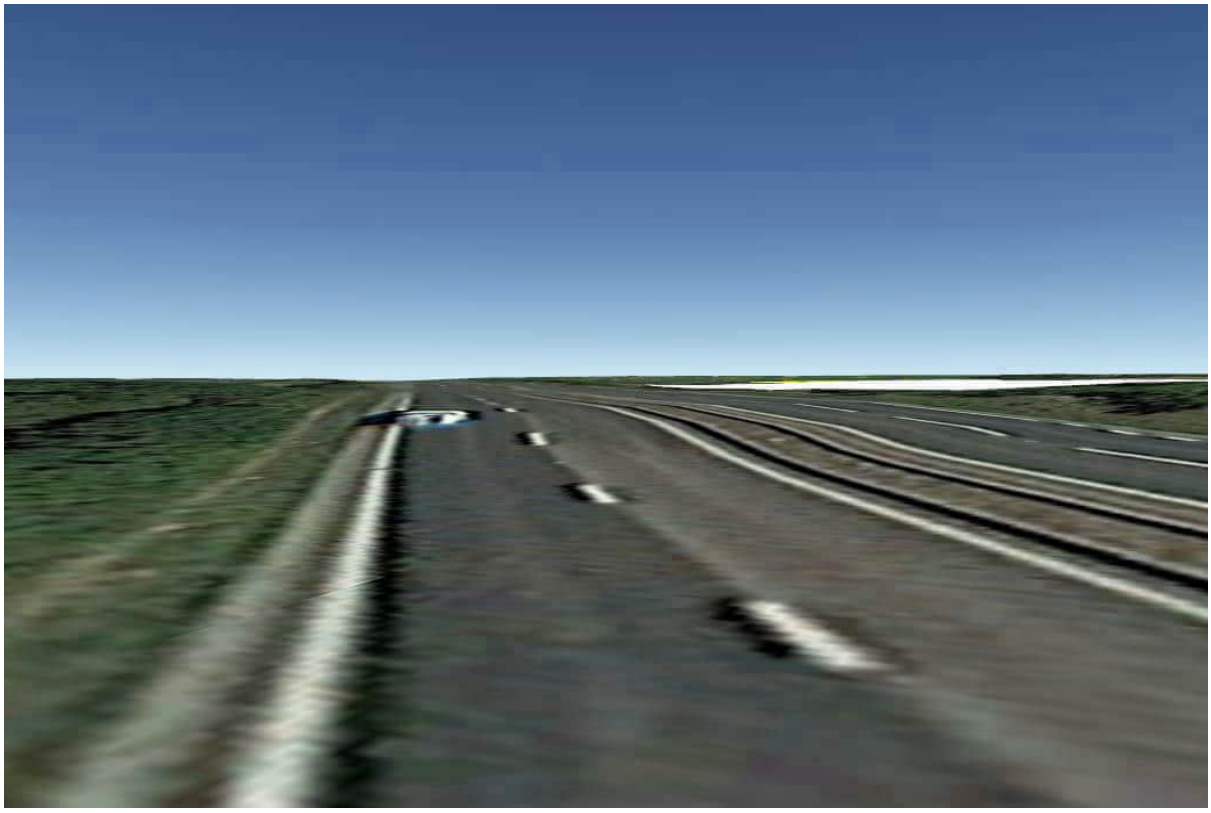


Looking West

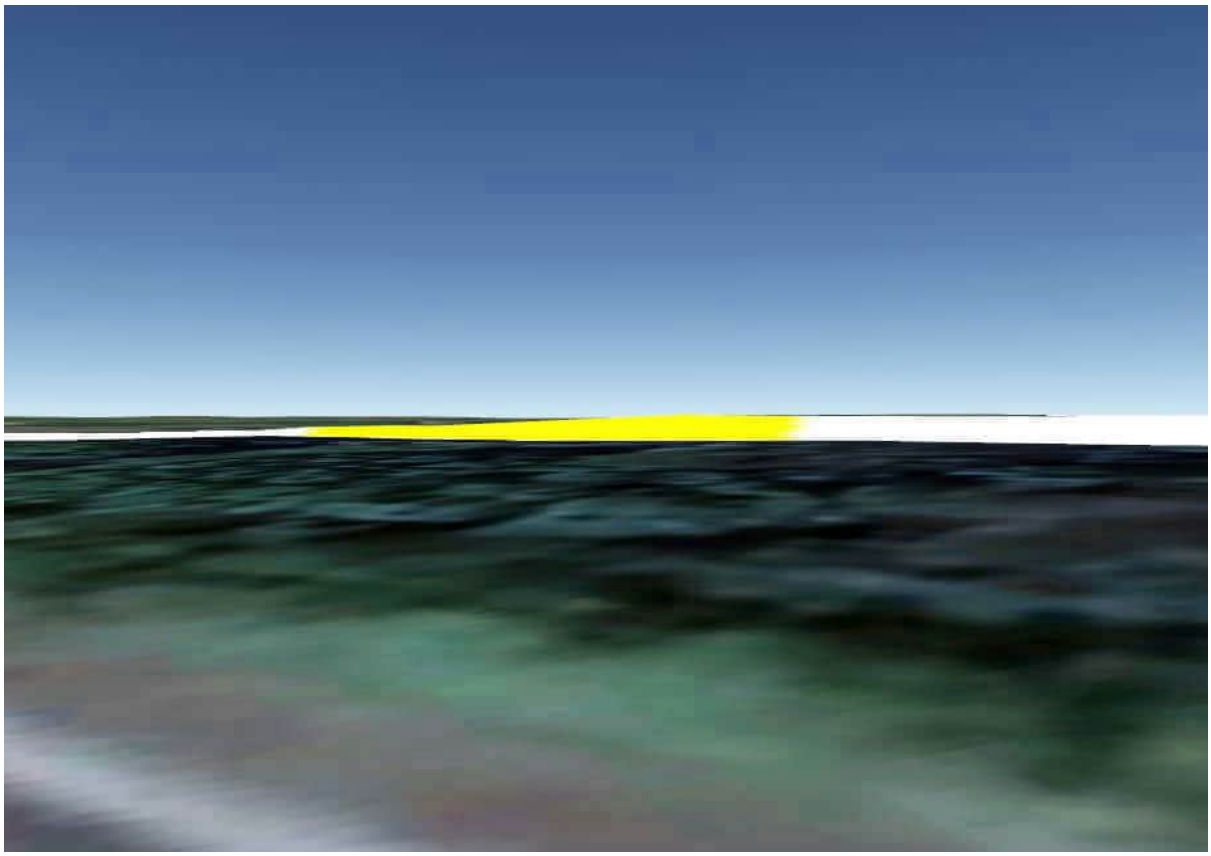


Receptor 10 (Group A Receptor 10)

Looking East

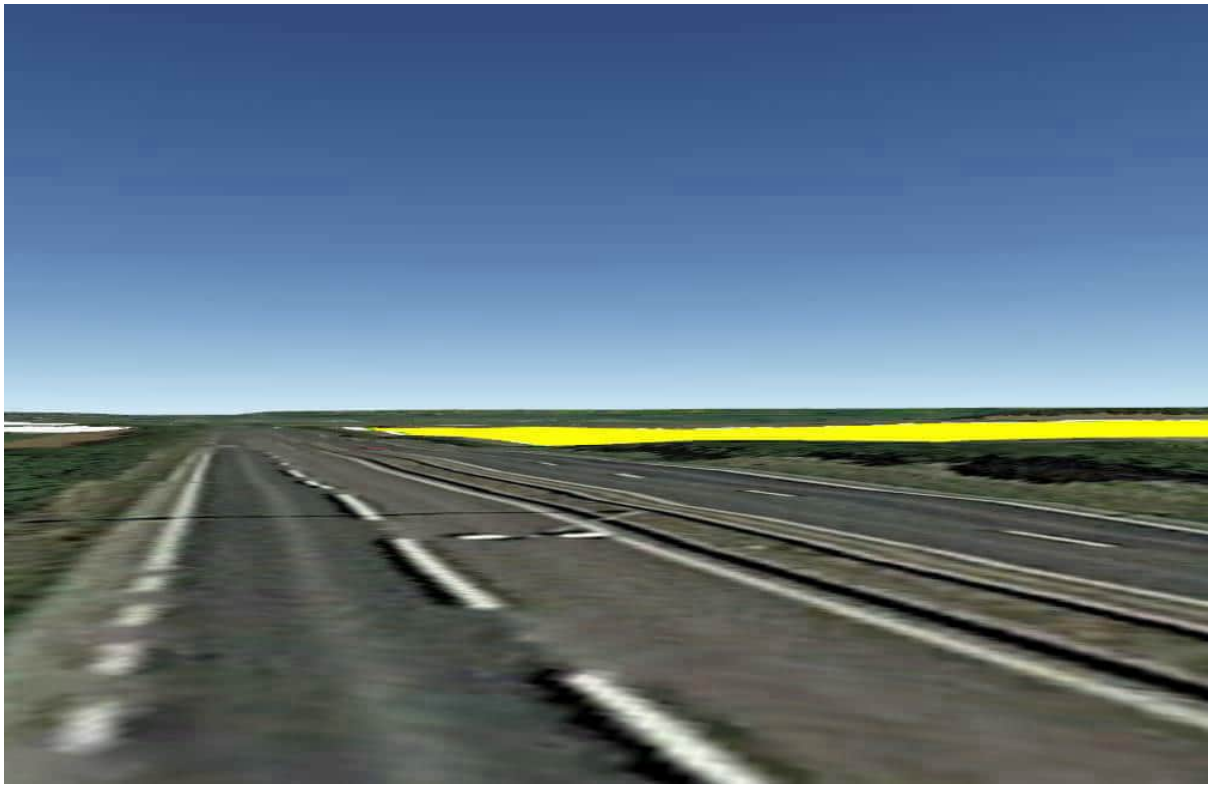


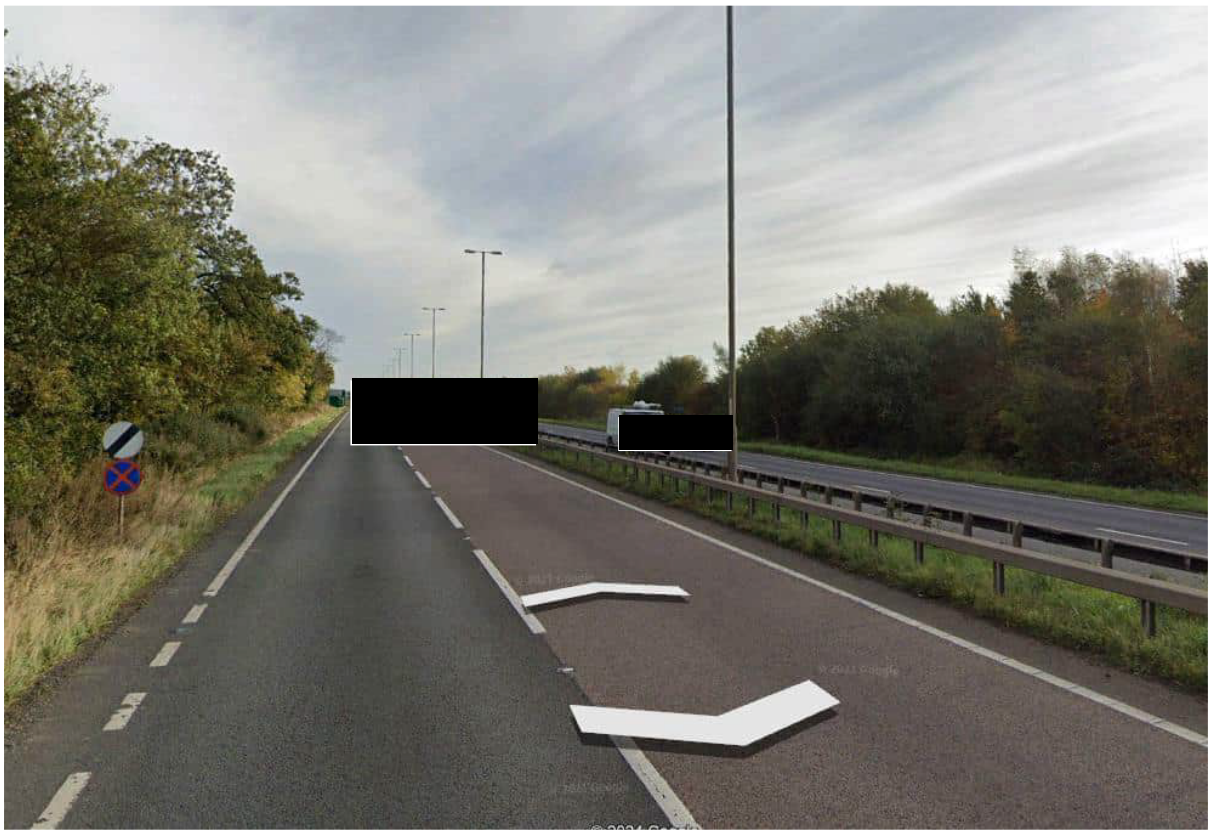
Looking West



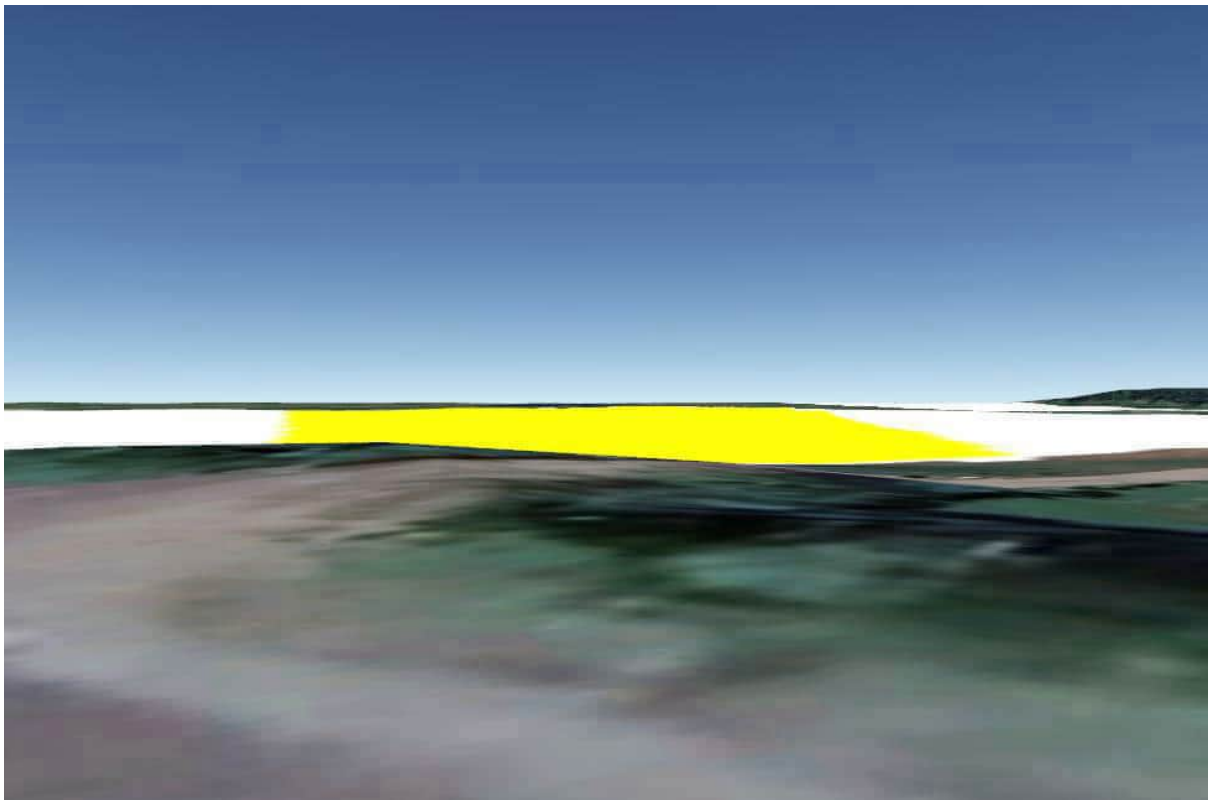
Receptor 11 (Group A Receptor 11)

Looking East





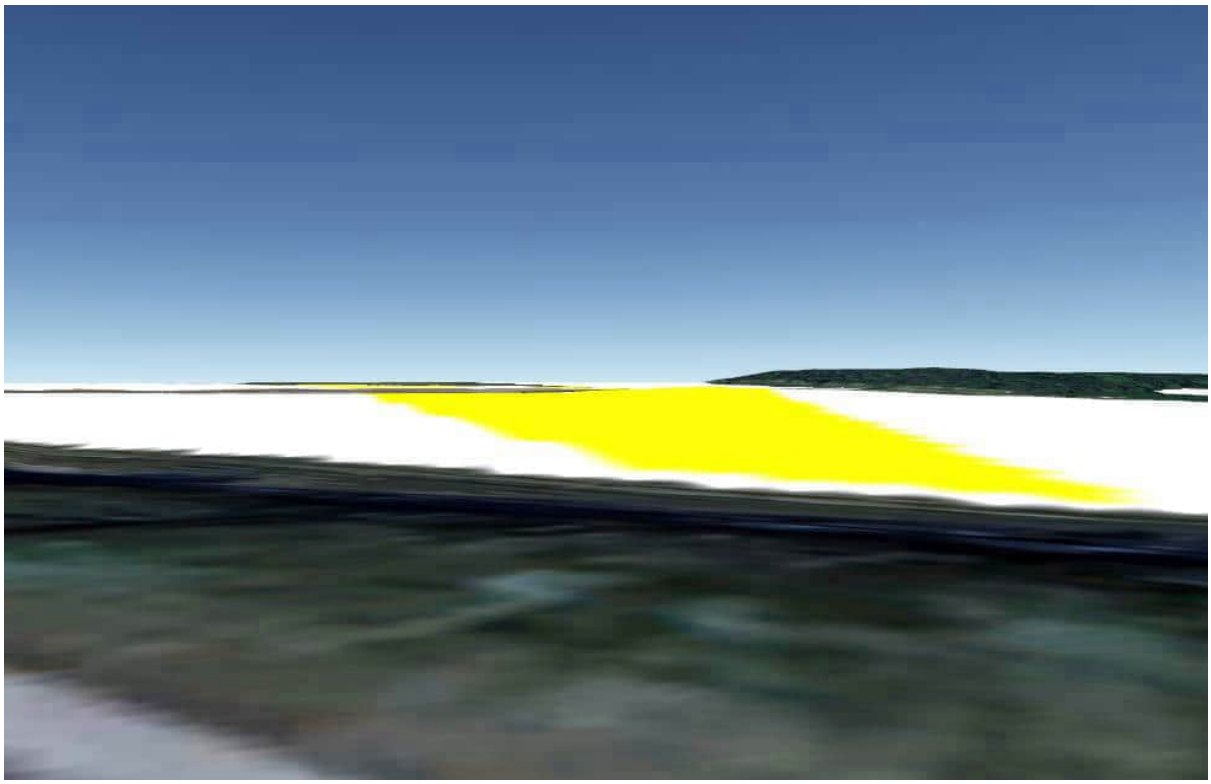
Looking West



Receptor 12 (Group A Receptor 12)

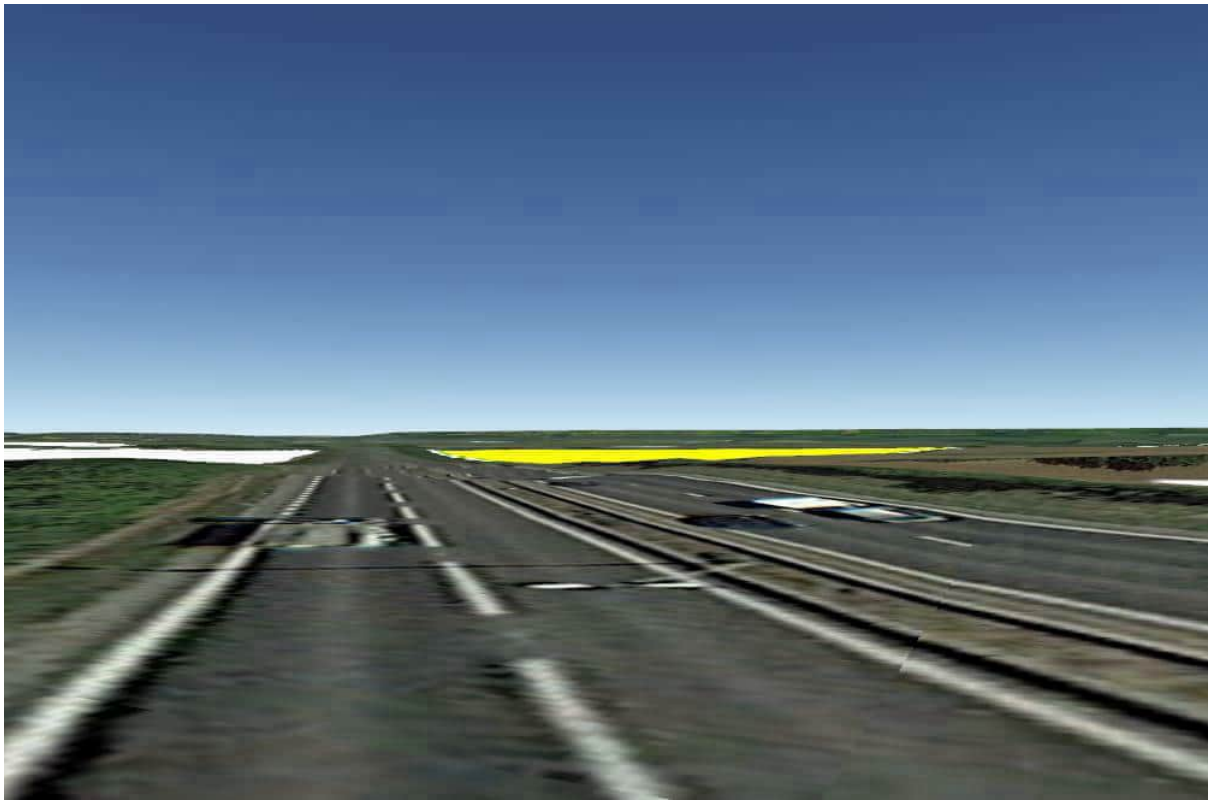
Looking East

Looking West

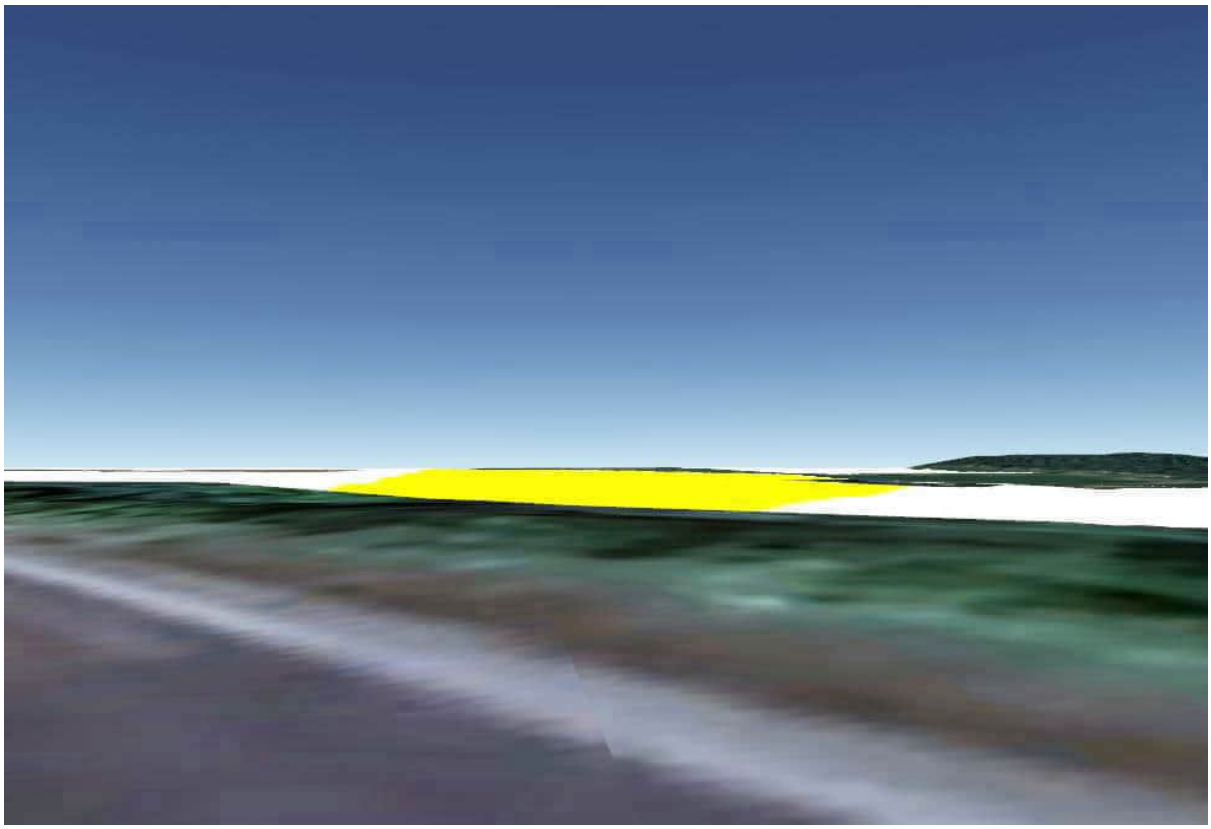


Receptor 13 (Group A Receptor 13)

Looking East

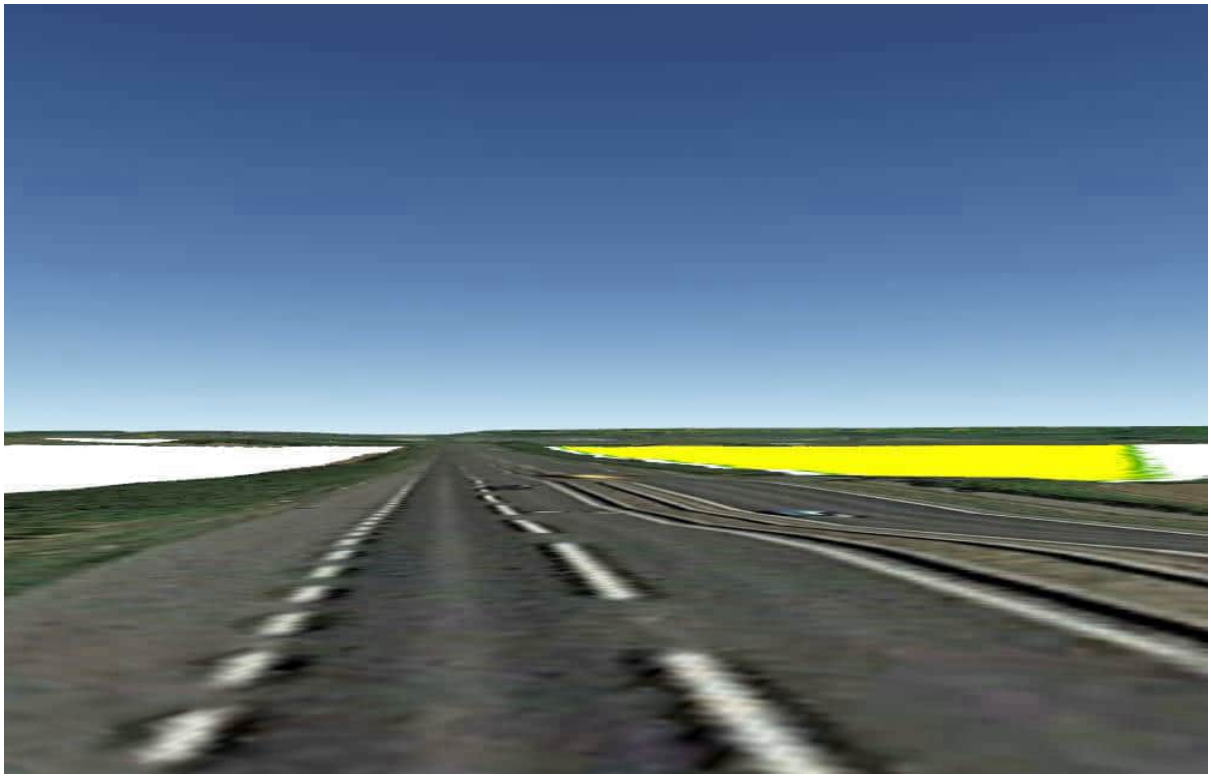


Looking West

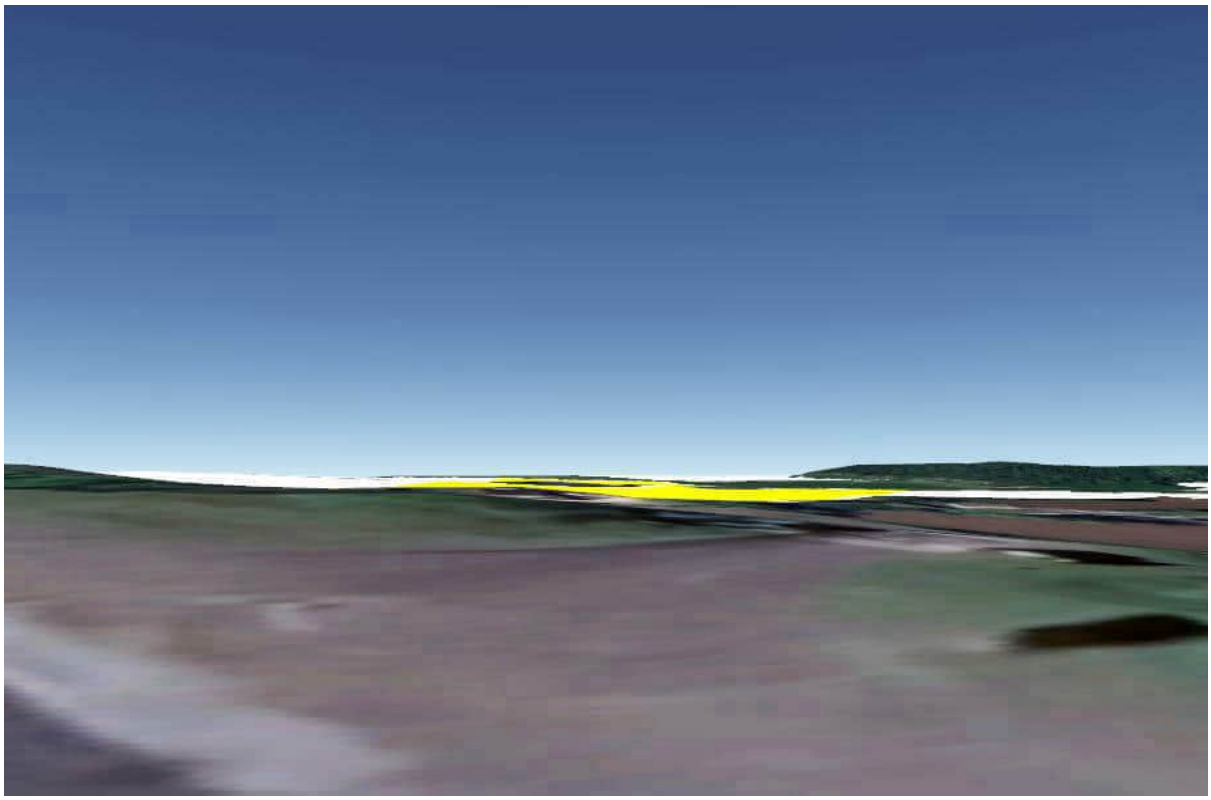


Receptor 14 (Group A Receptor 14)

Looking East



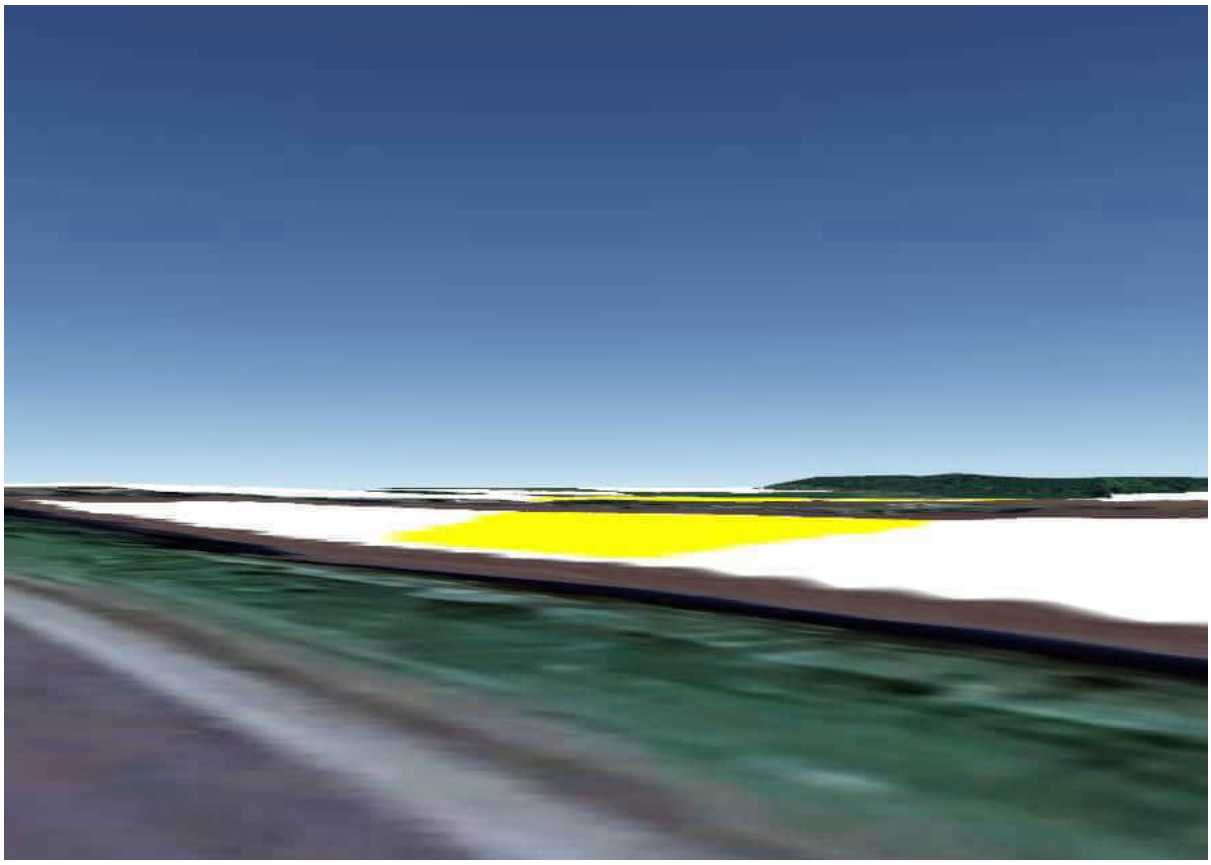
Looking West



Receptor 15 (Group A Receptor 15)

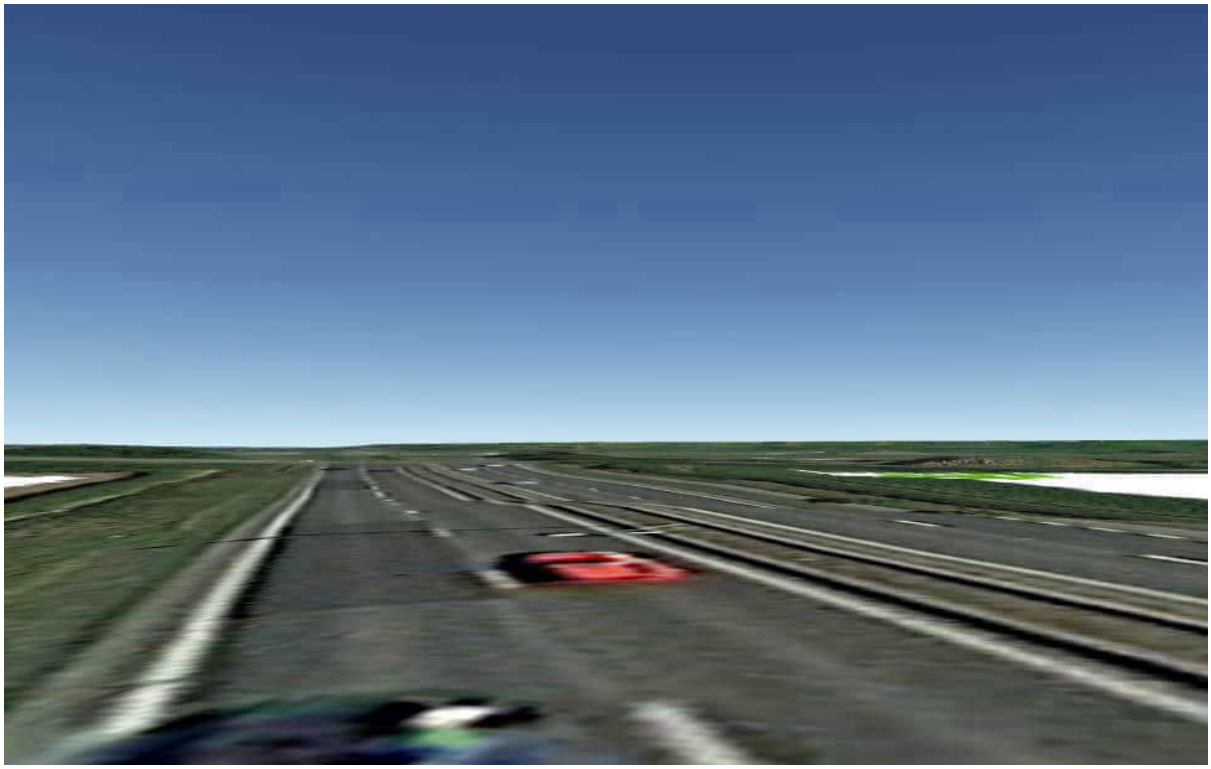
Looking East

Looking West

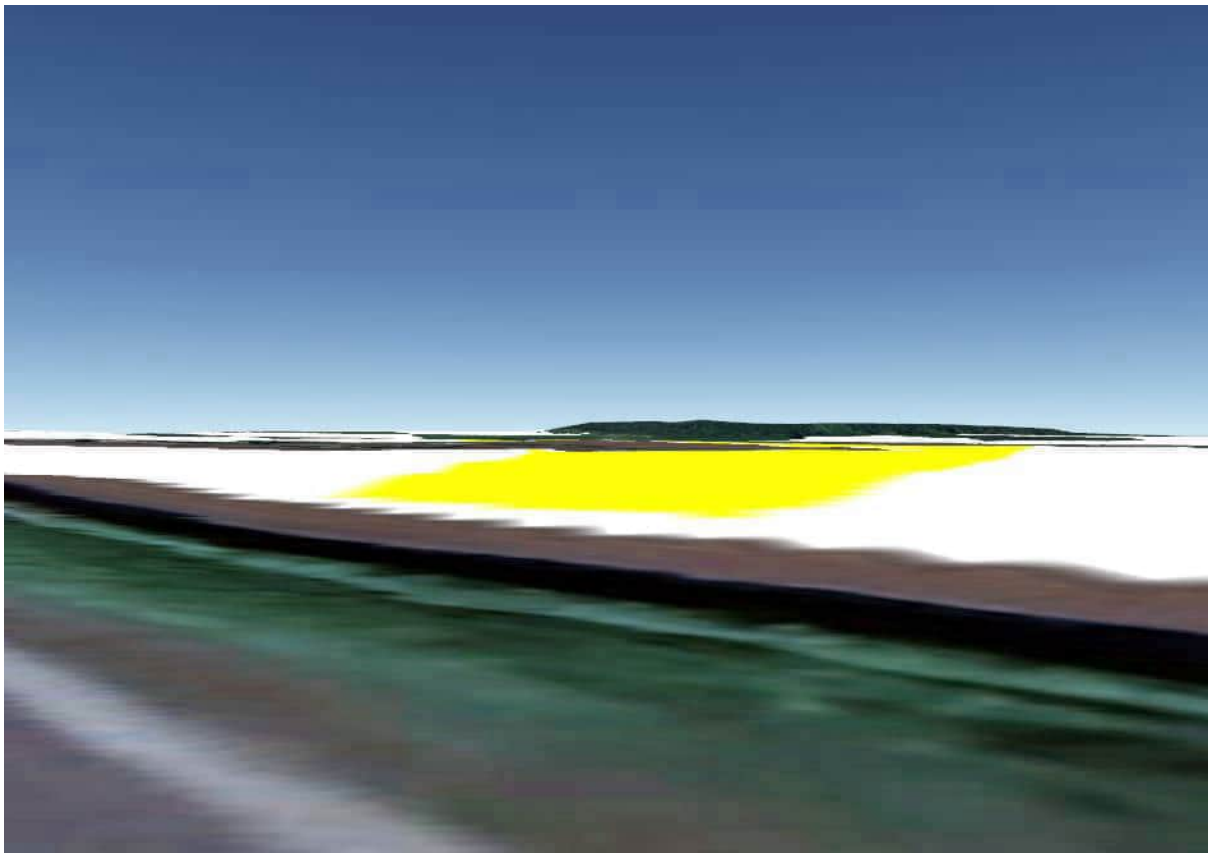


Receptor 16 (Group A Receptor 16)

Looking East

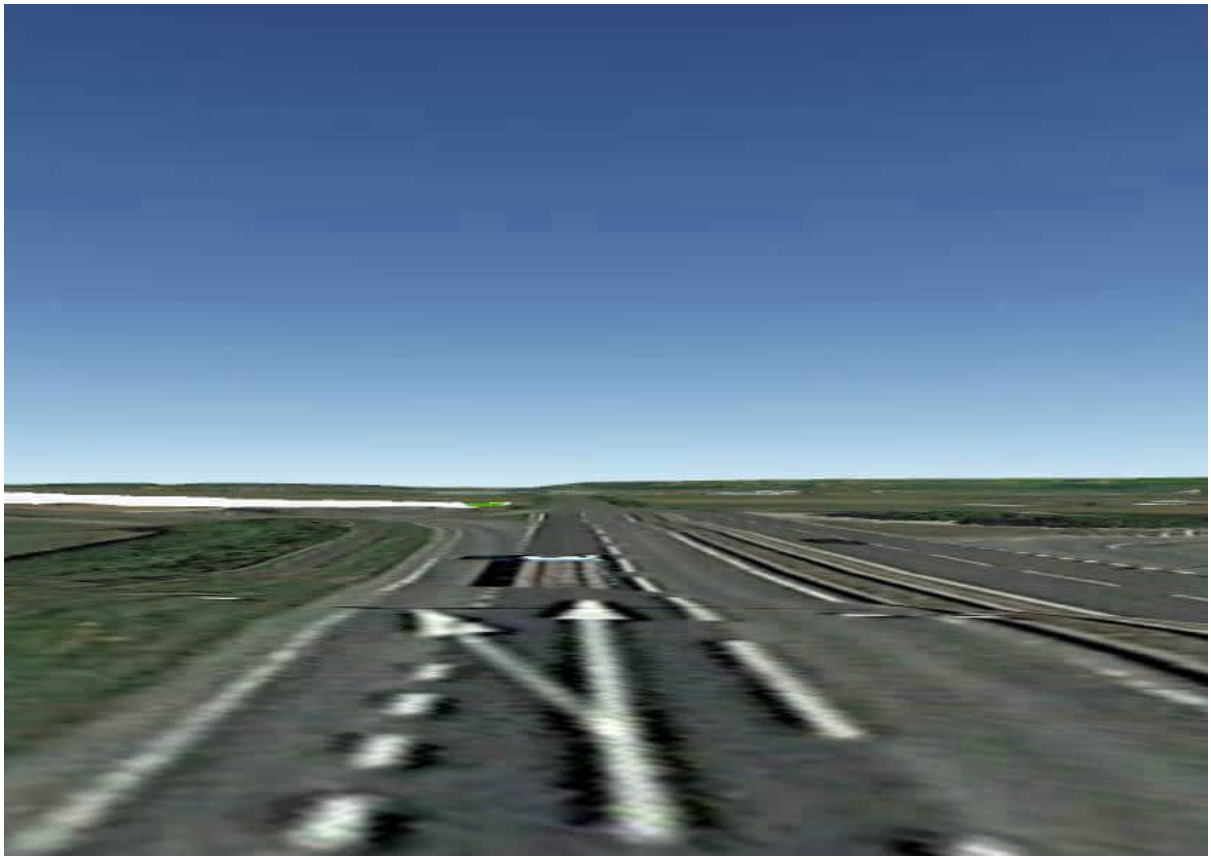


Looking West

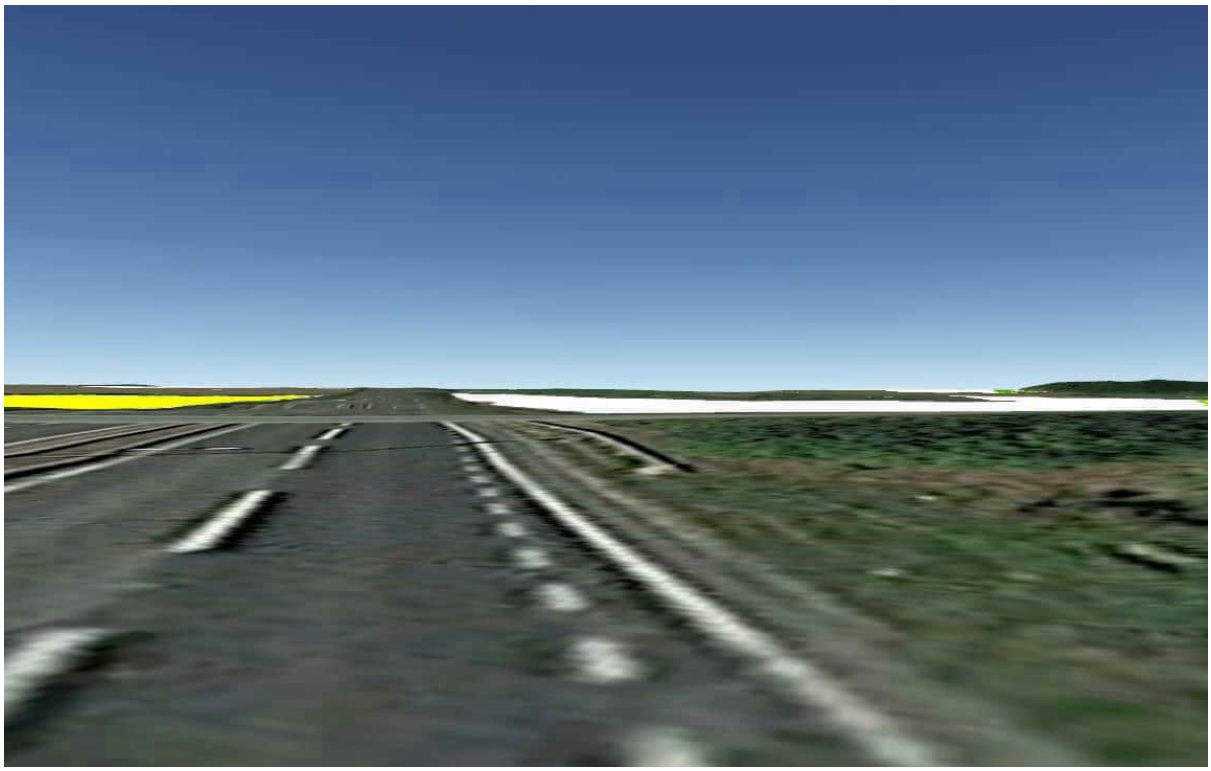


Receptor 17 (Group A Receptor 17)

Looking East

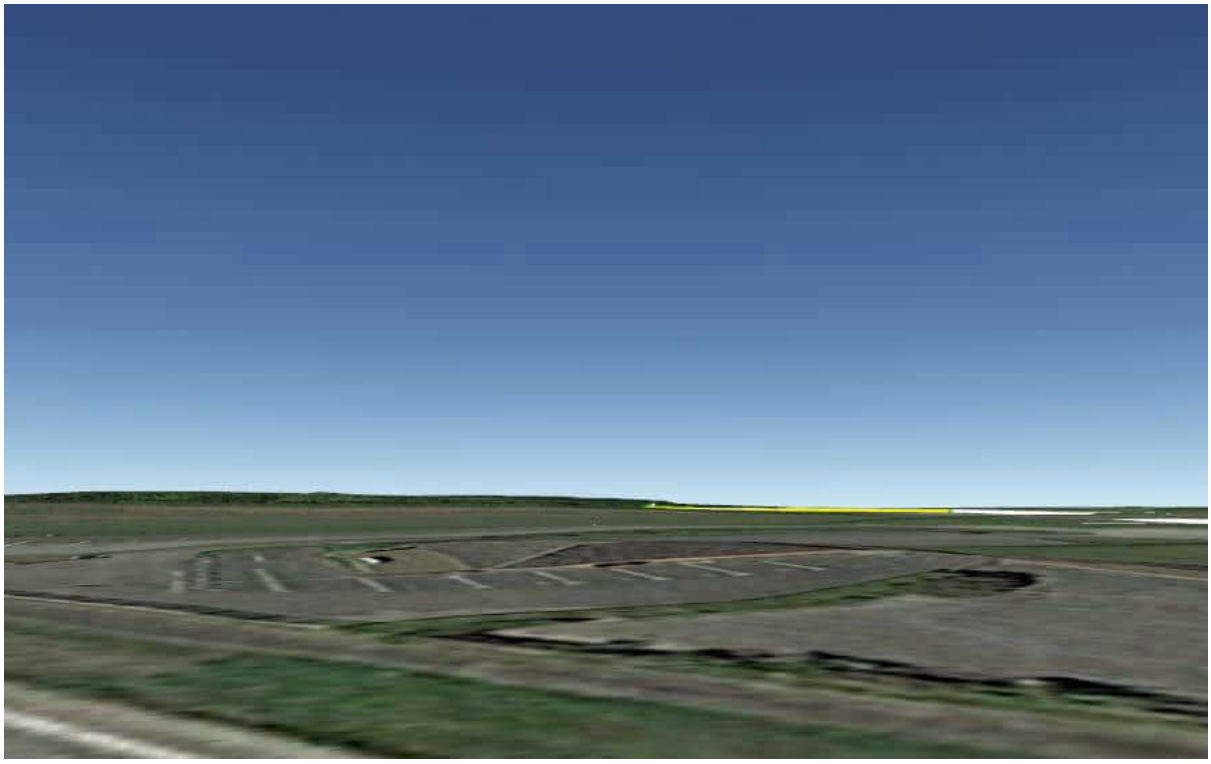


Looking West

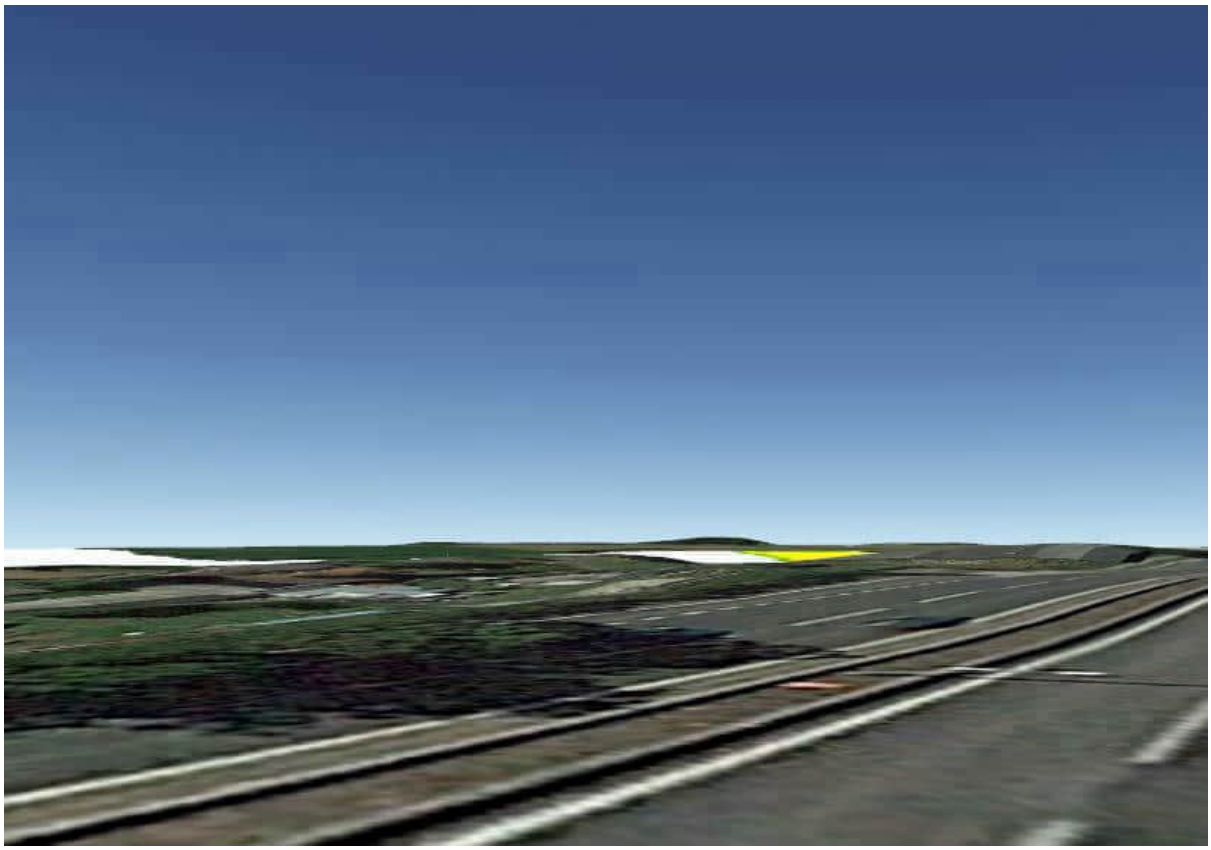


Receptor 18 (Group A Receptor 18)

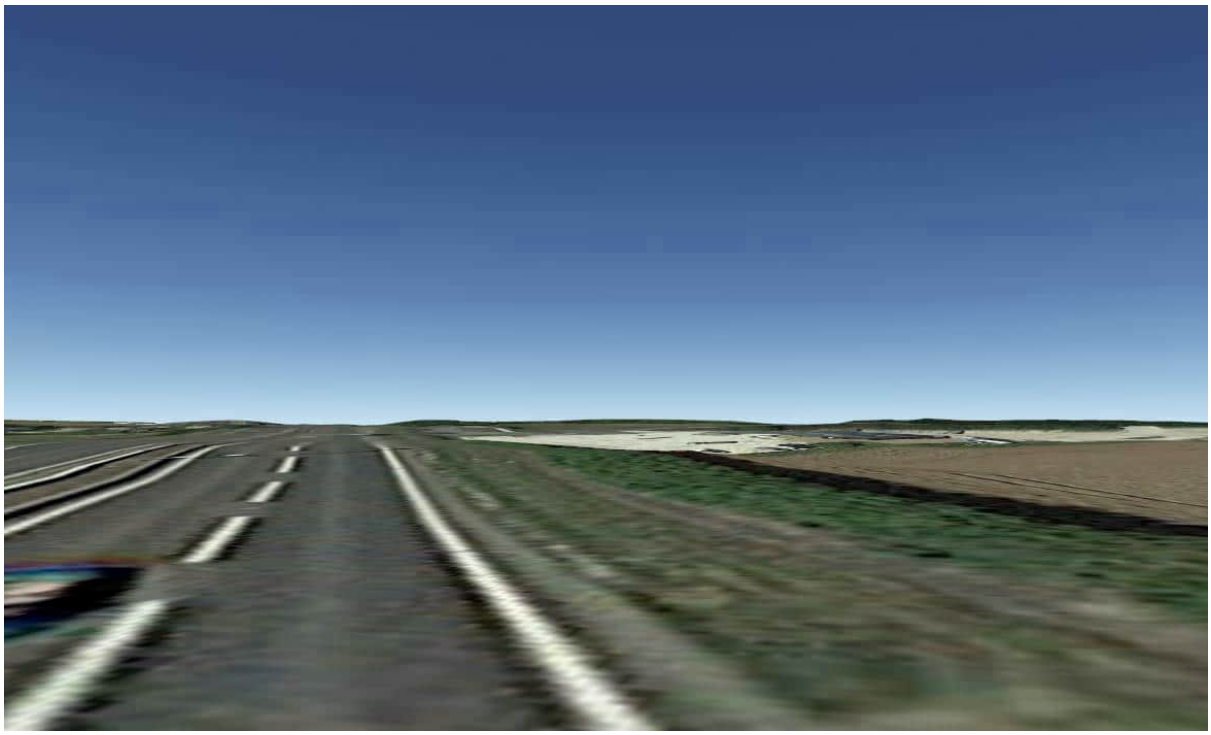
Looking West



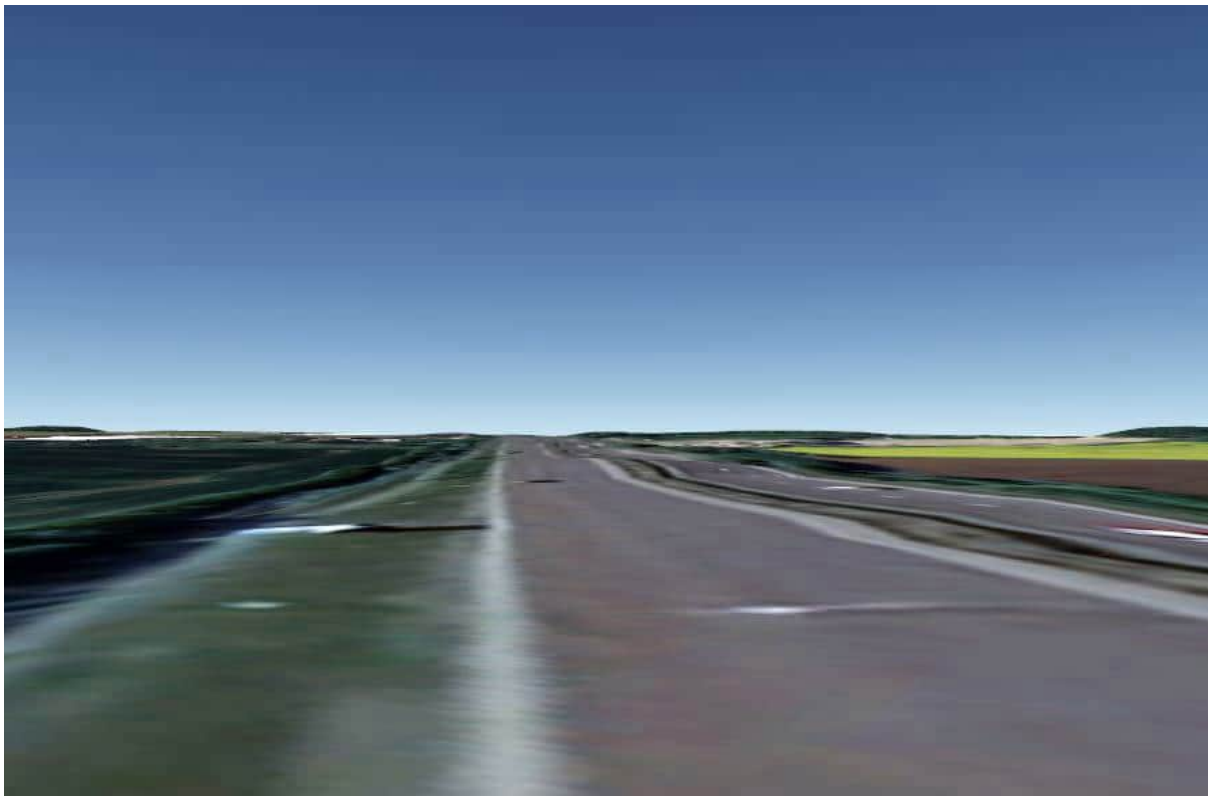
Looking South



Receptor 19 (Group A Receptor 19)

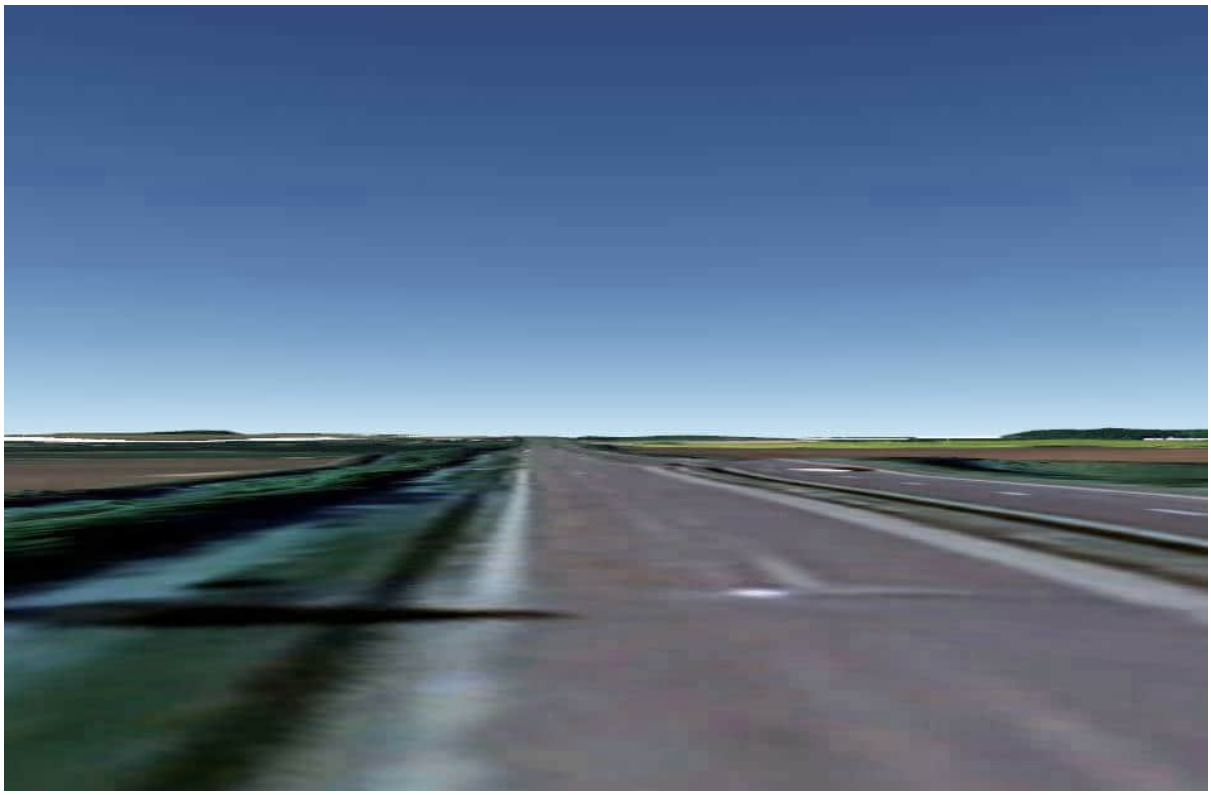


Receptor 20 (Group A Receptor 20)

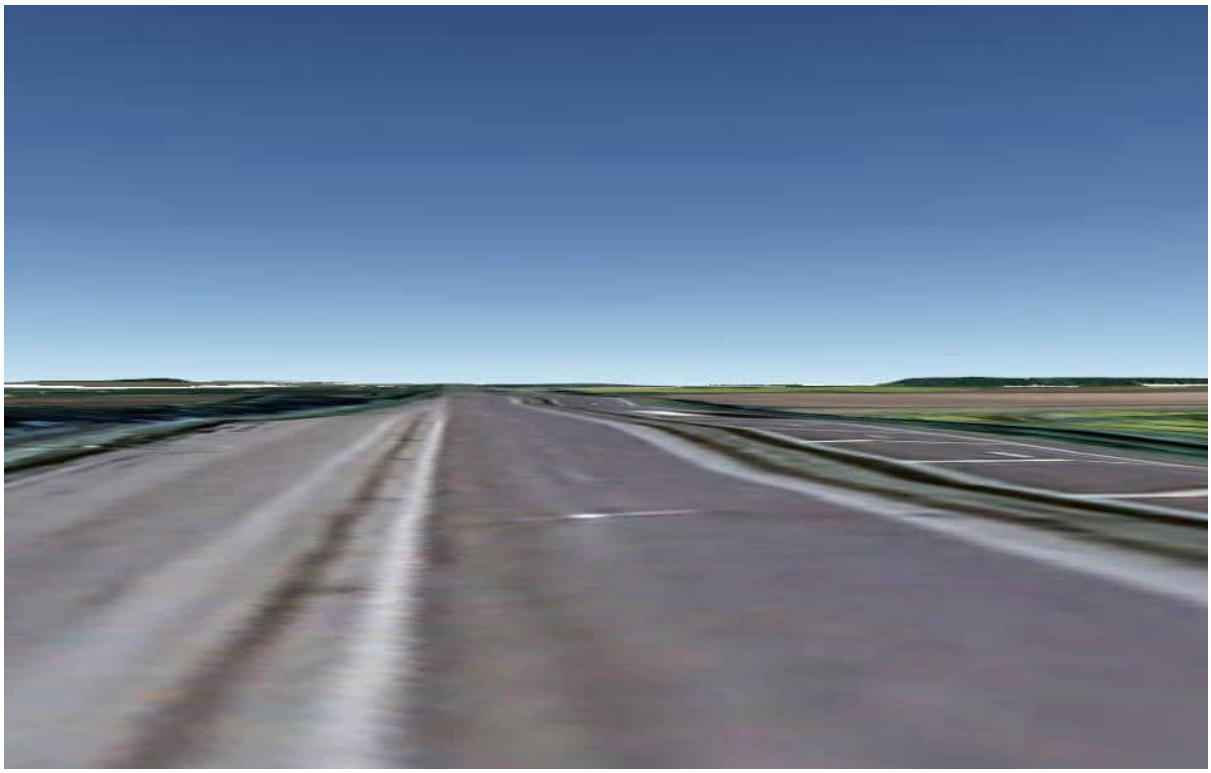


Receptor 21 (Group A Receptor 21)

Receptor 22 (Group A Receptor 22)

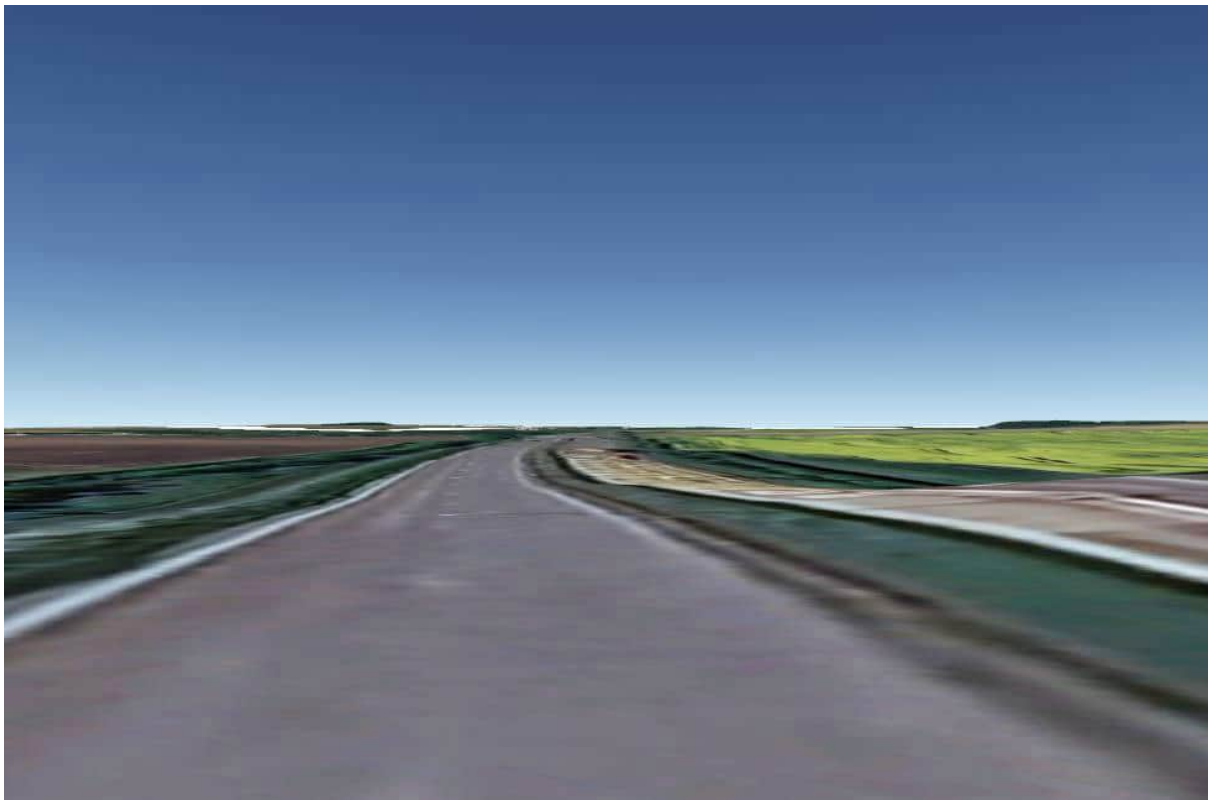


Receptor 23 (Group A Receptor 23)

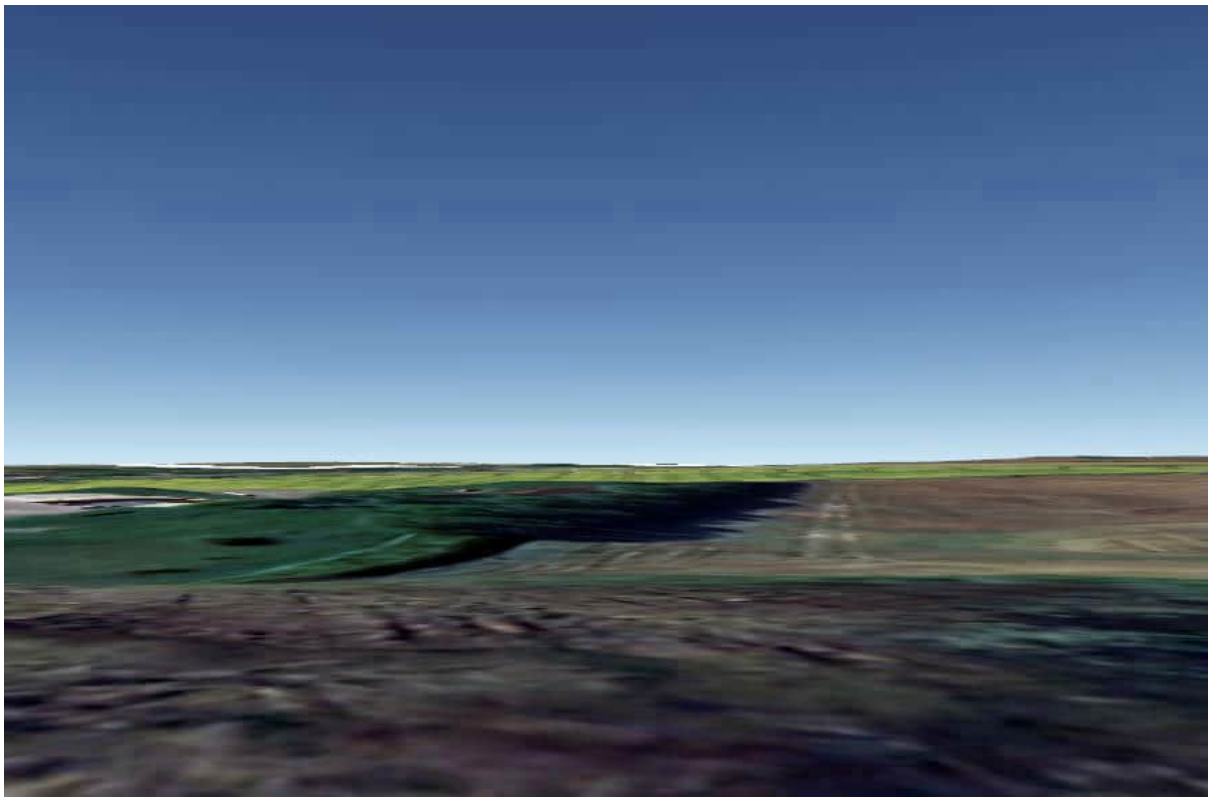


Receptor 24 (Group A Receptor 24)

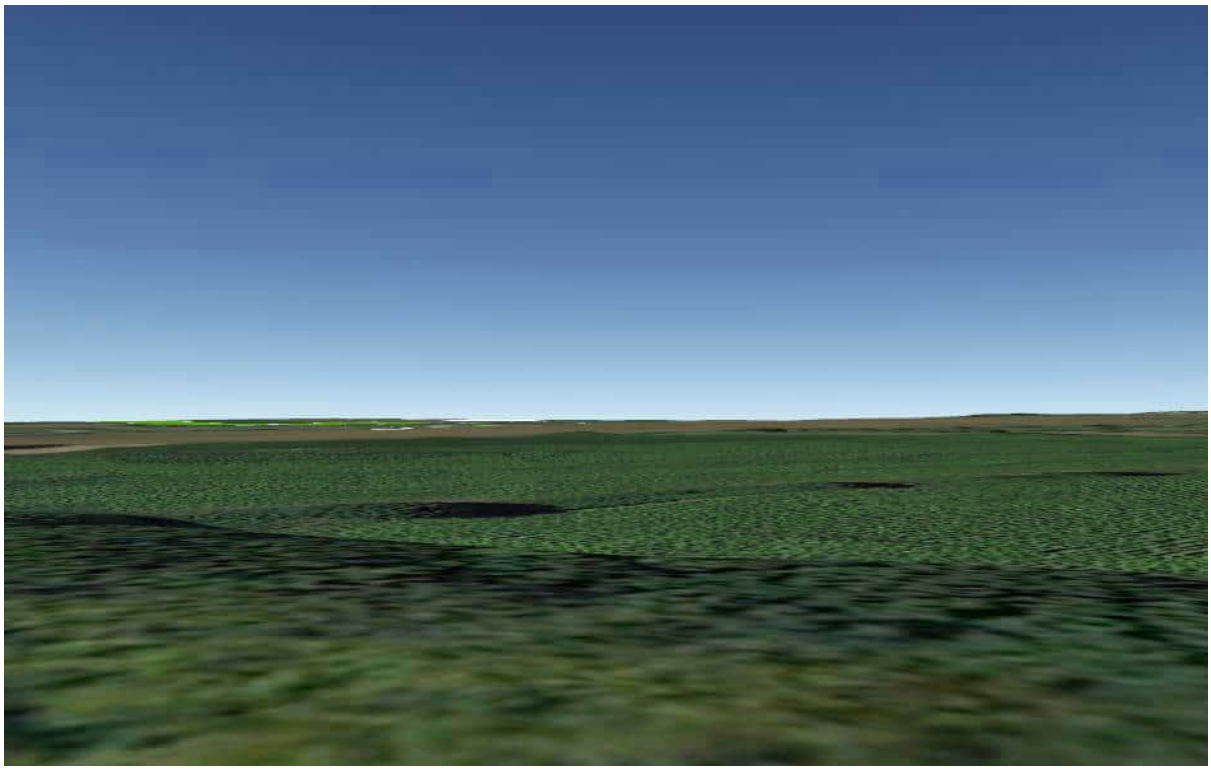
Receptor 25 (Group A Receptor 25)

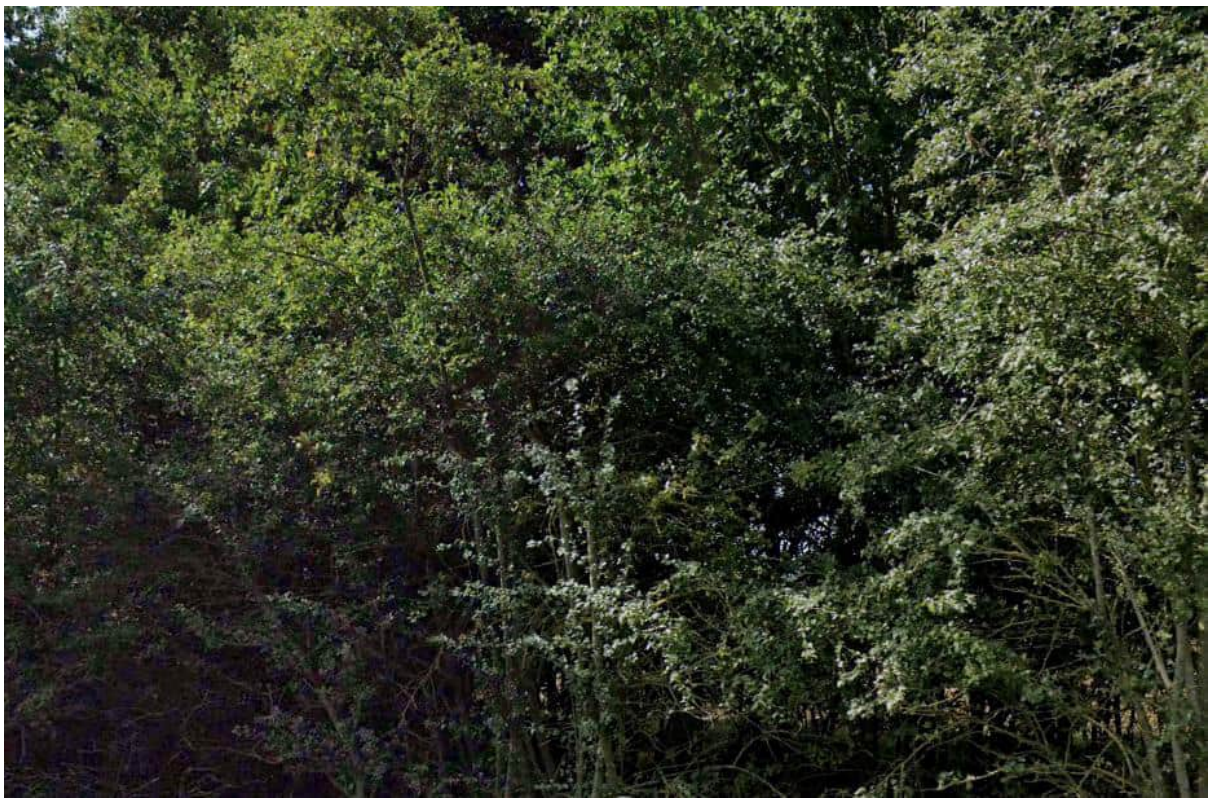


Receptor 26 (Group A Receptor 26)

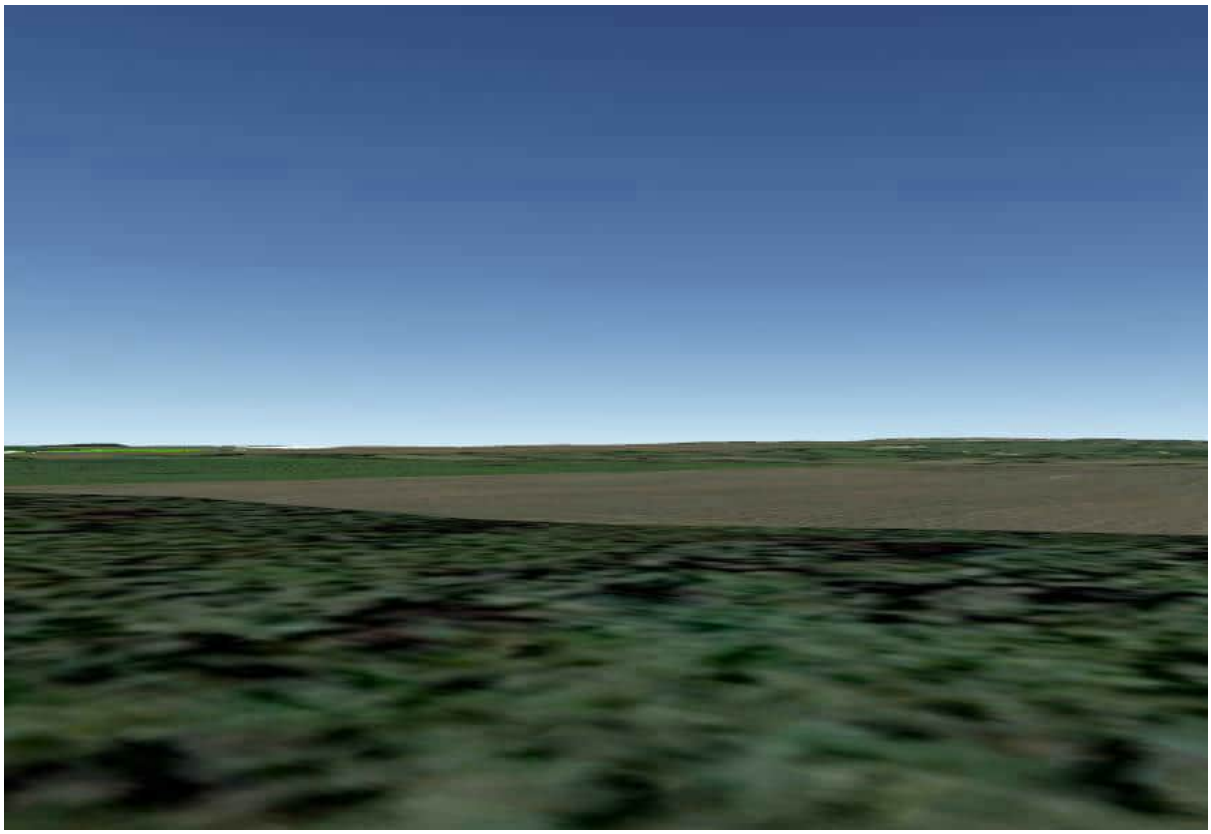


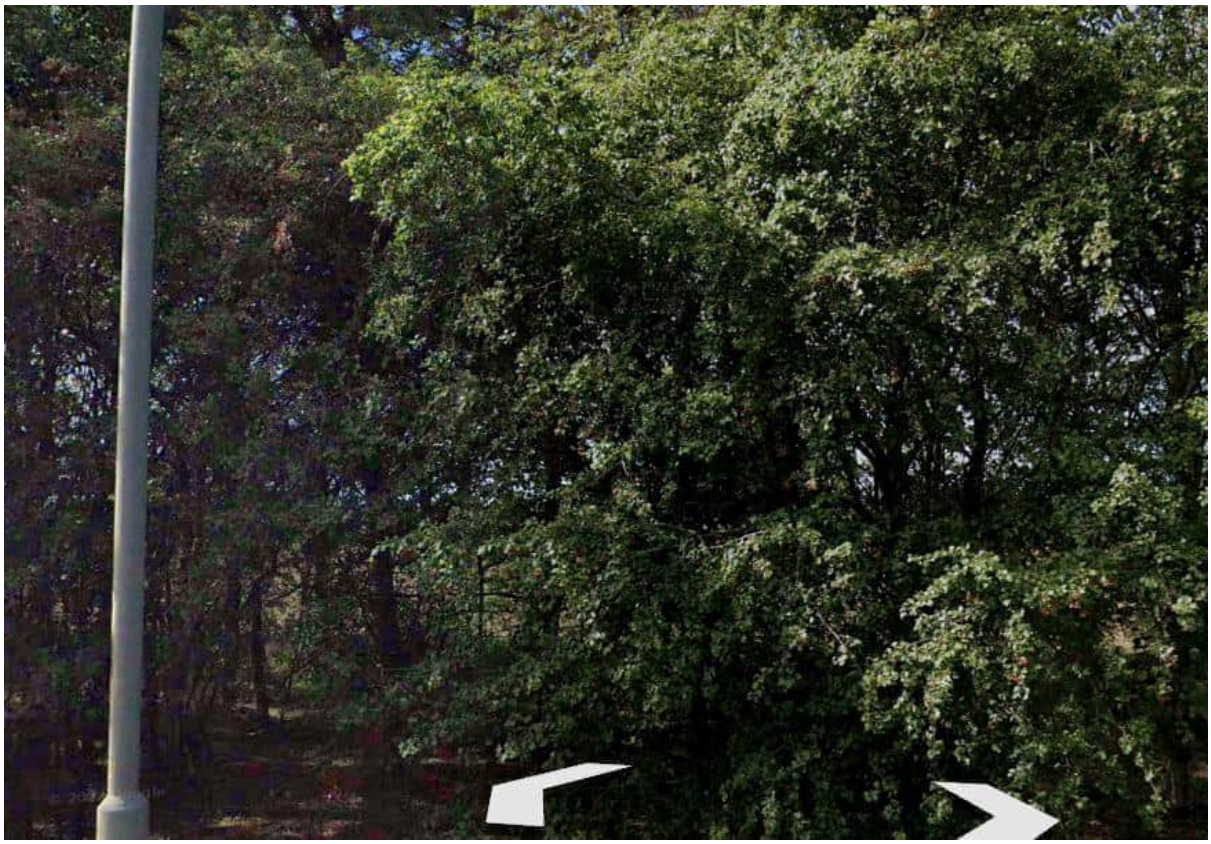
Receptor 27 (Group A Receptor 27)



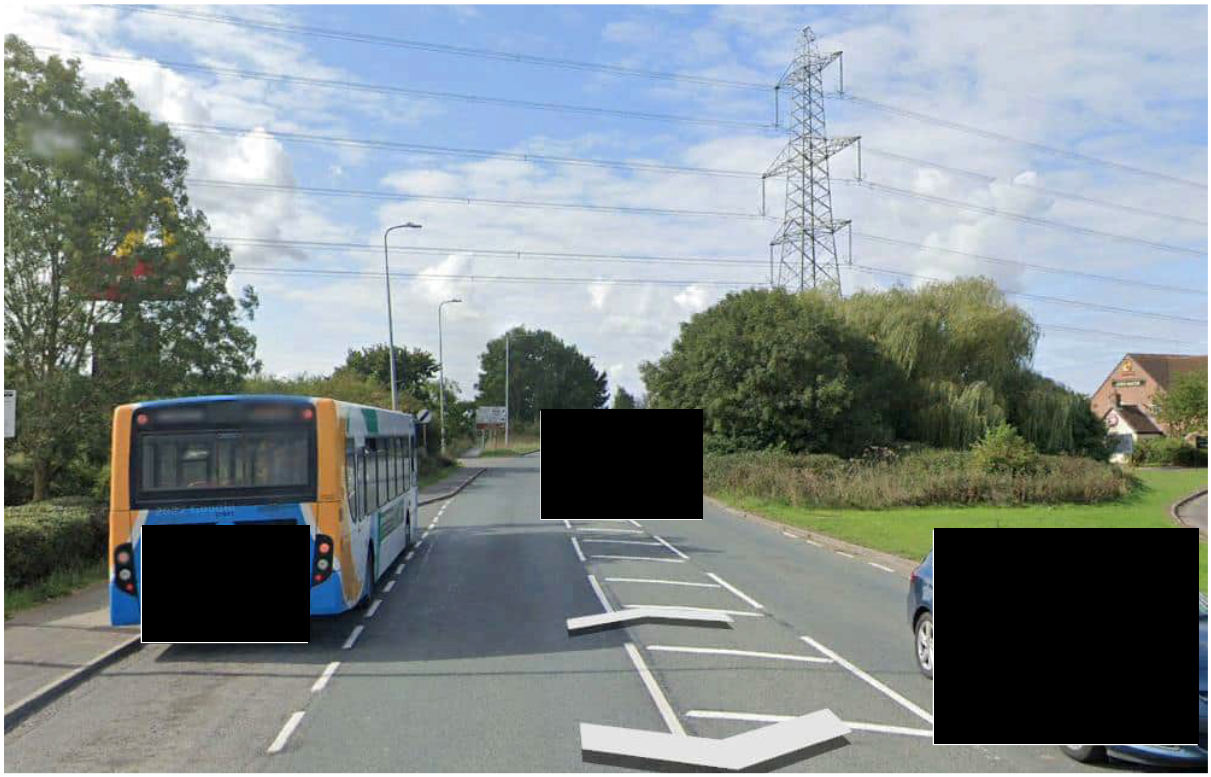


Receptor 28 (Group A Receptor 28)

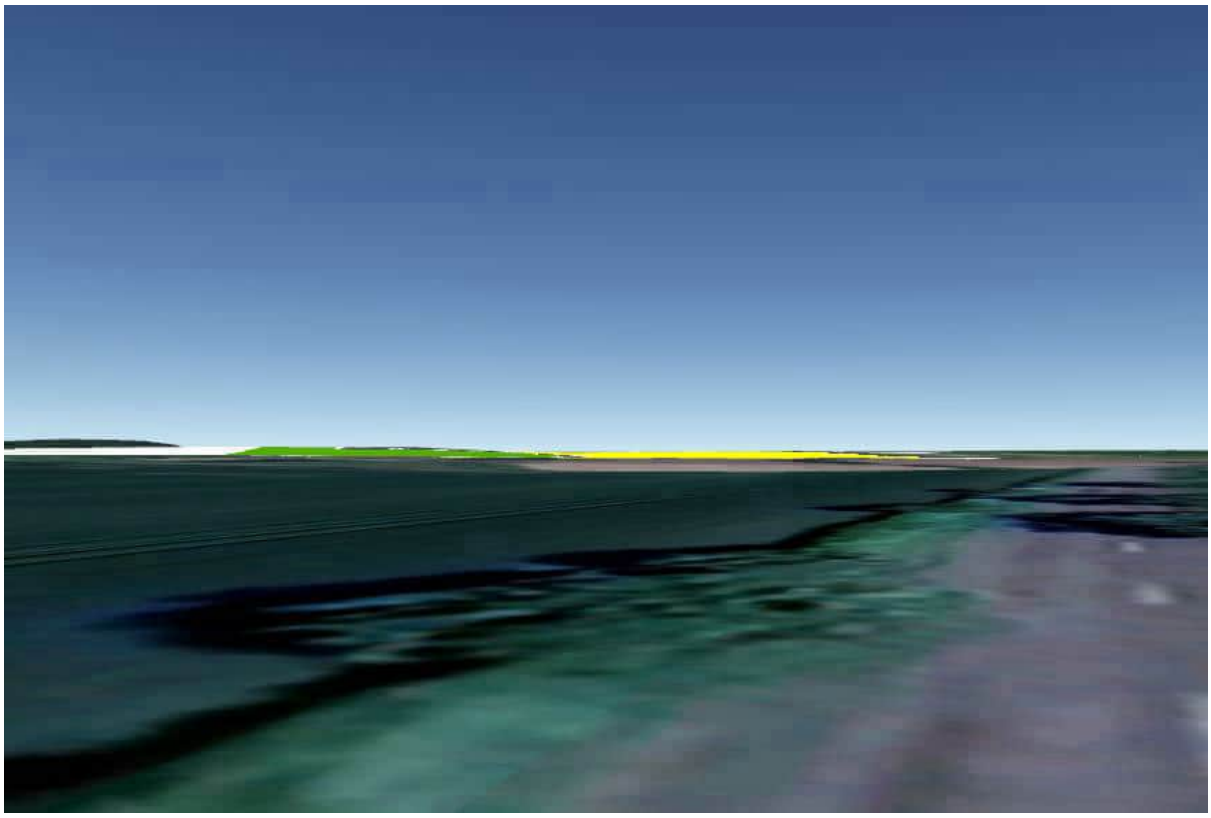




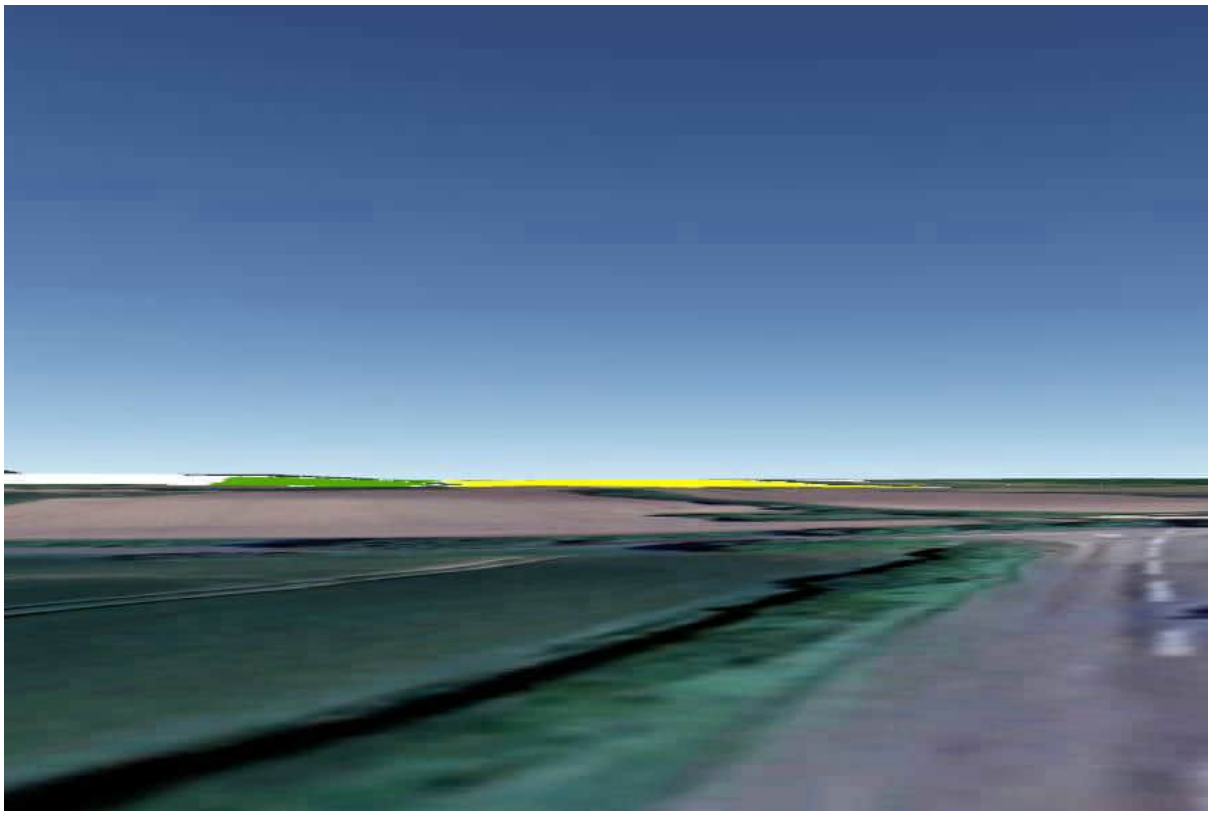
Receptor 29 (Group A Receptor 29)



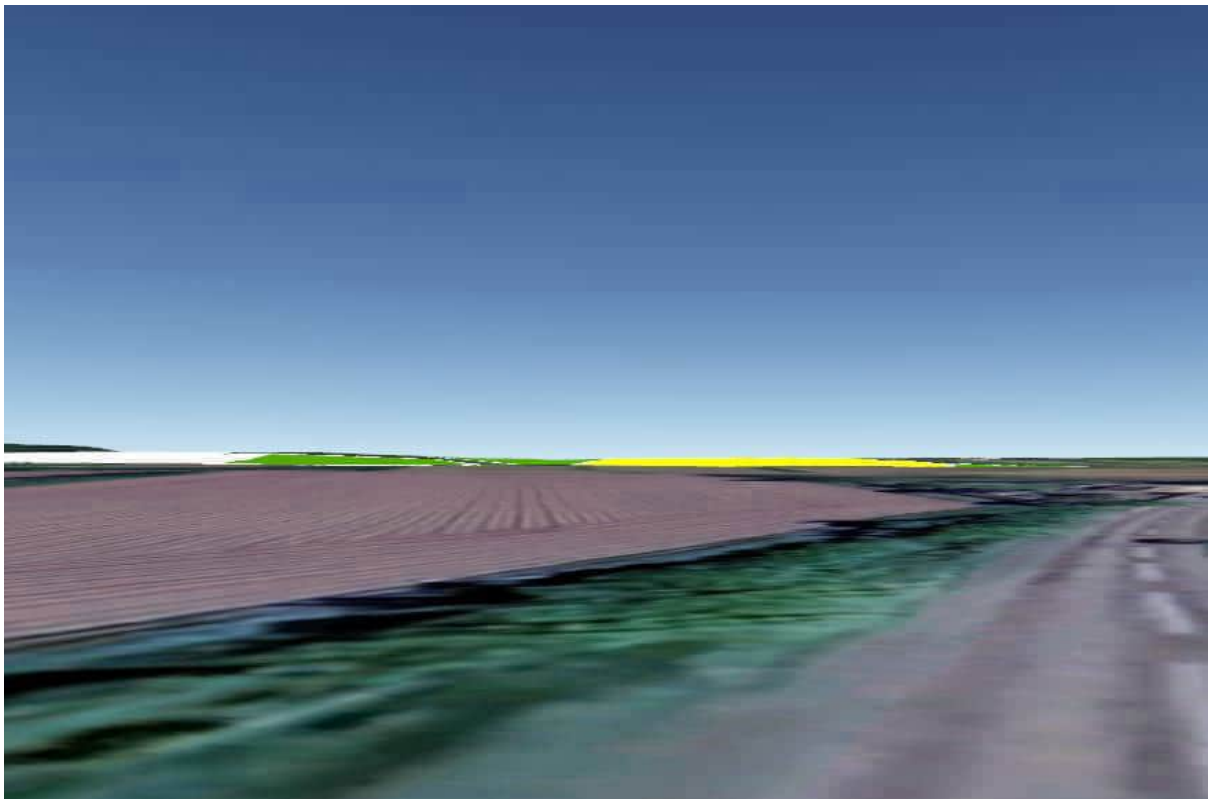
Receptor 30 (Group A Receptor 30)



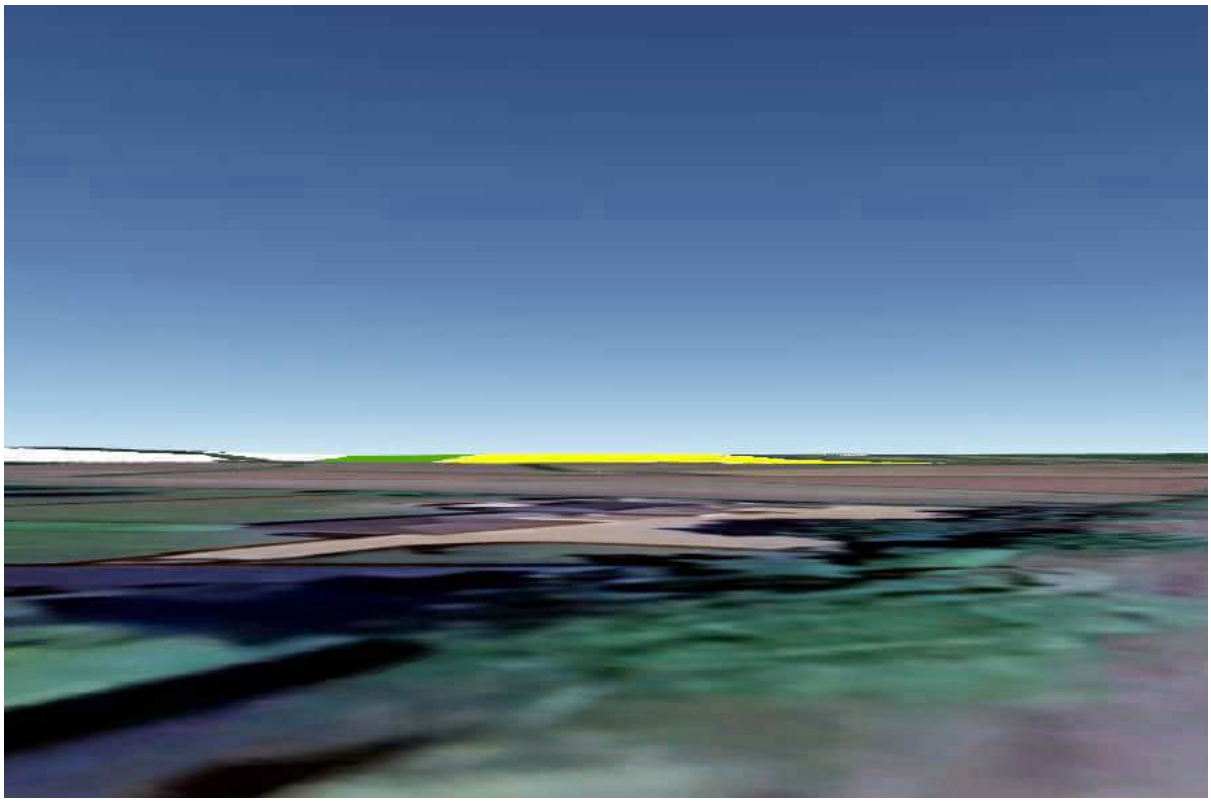
Receptor 31 (Group A Receptor 31)



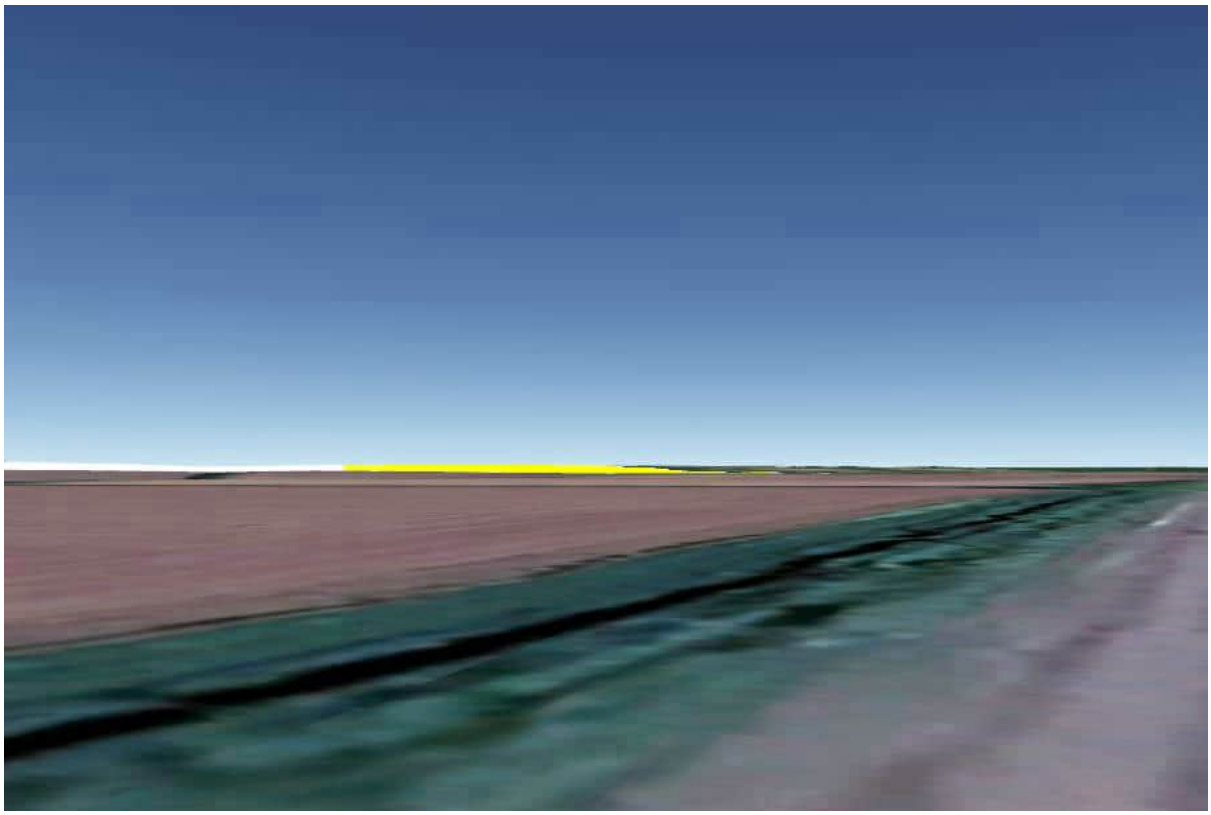
Receptor 32 (Group A Receptor 32)



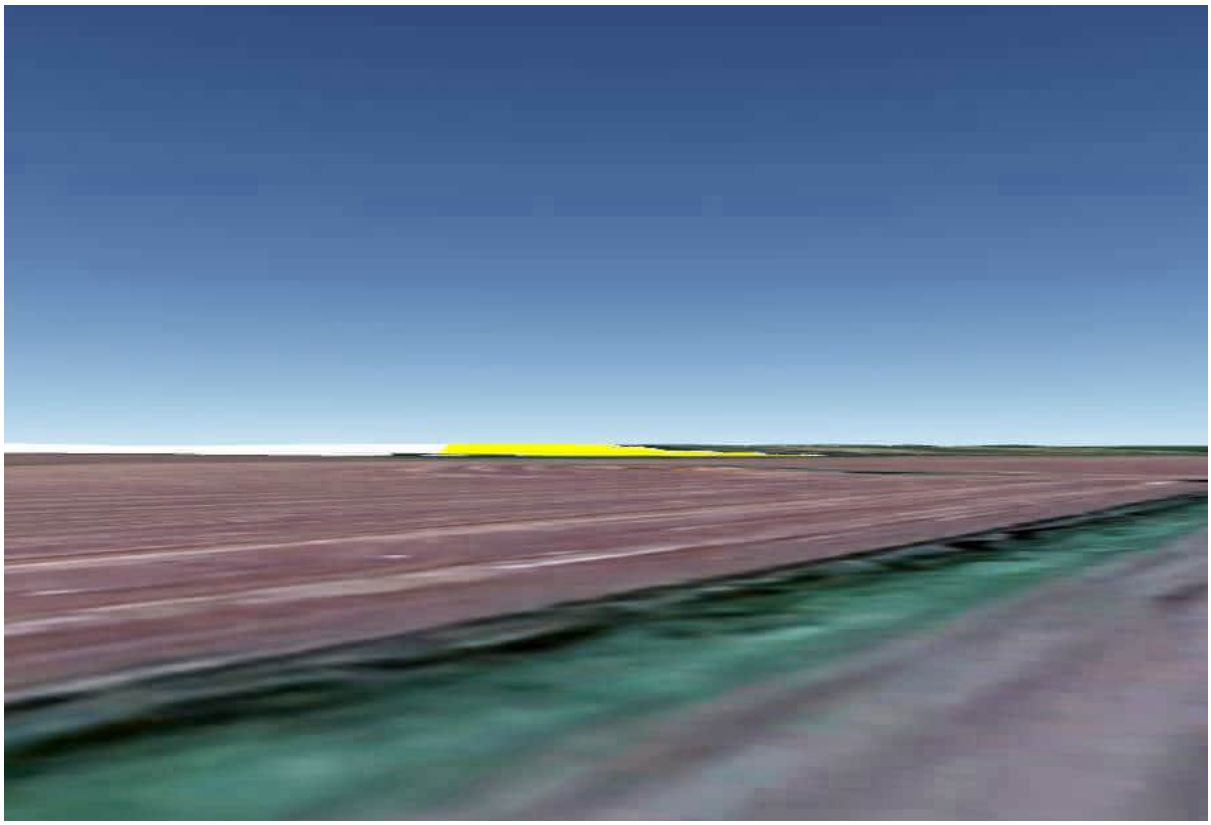
Receptor 33 (Group A Receptor 33)



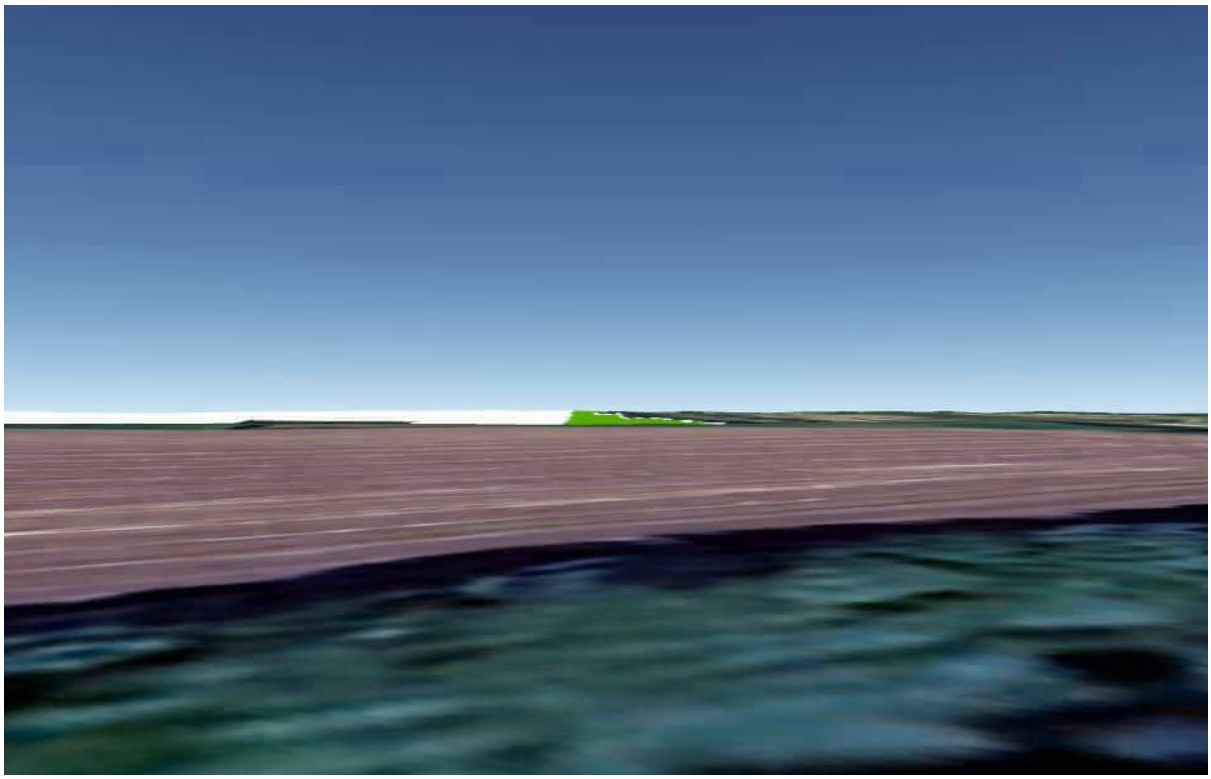
Receptor 34 (Group A Receptor 34)



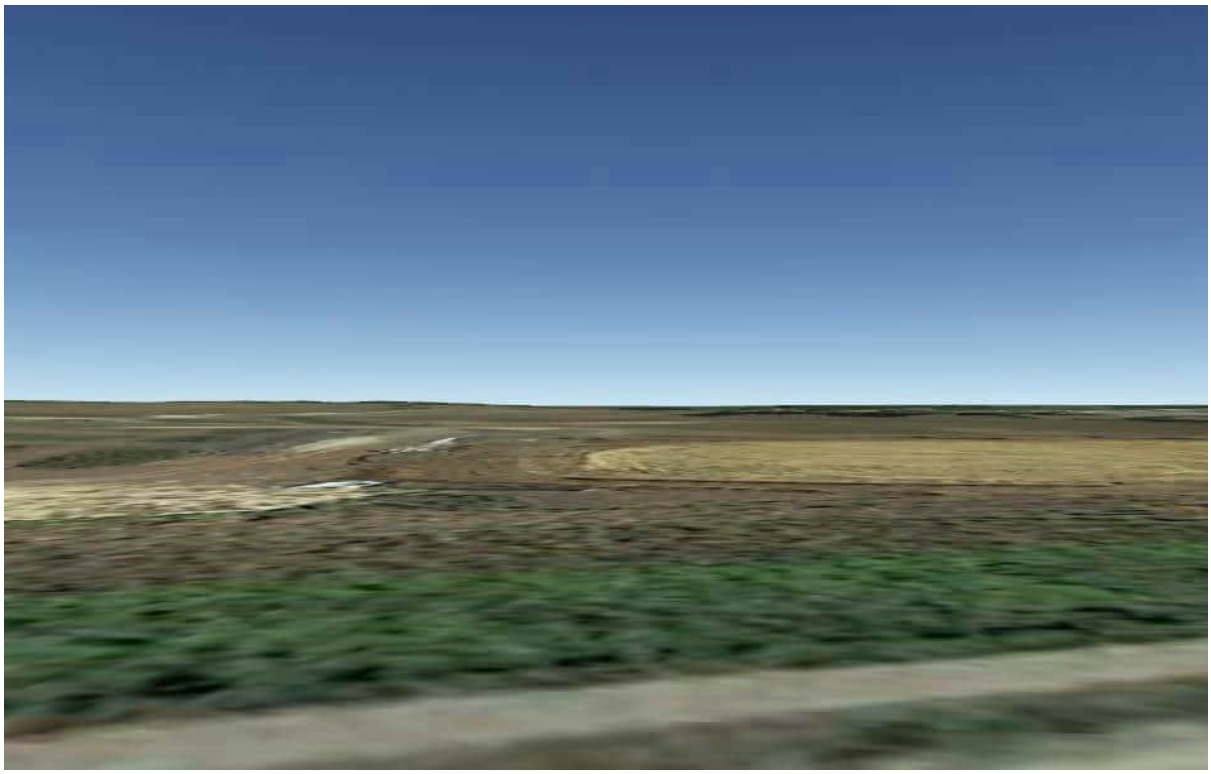
Receptor 35 (Group A Receptor 35)



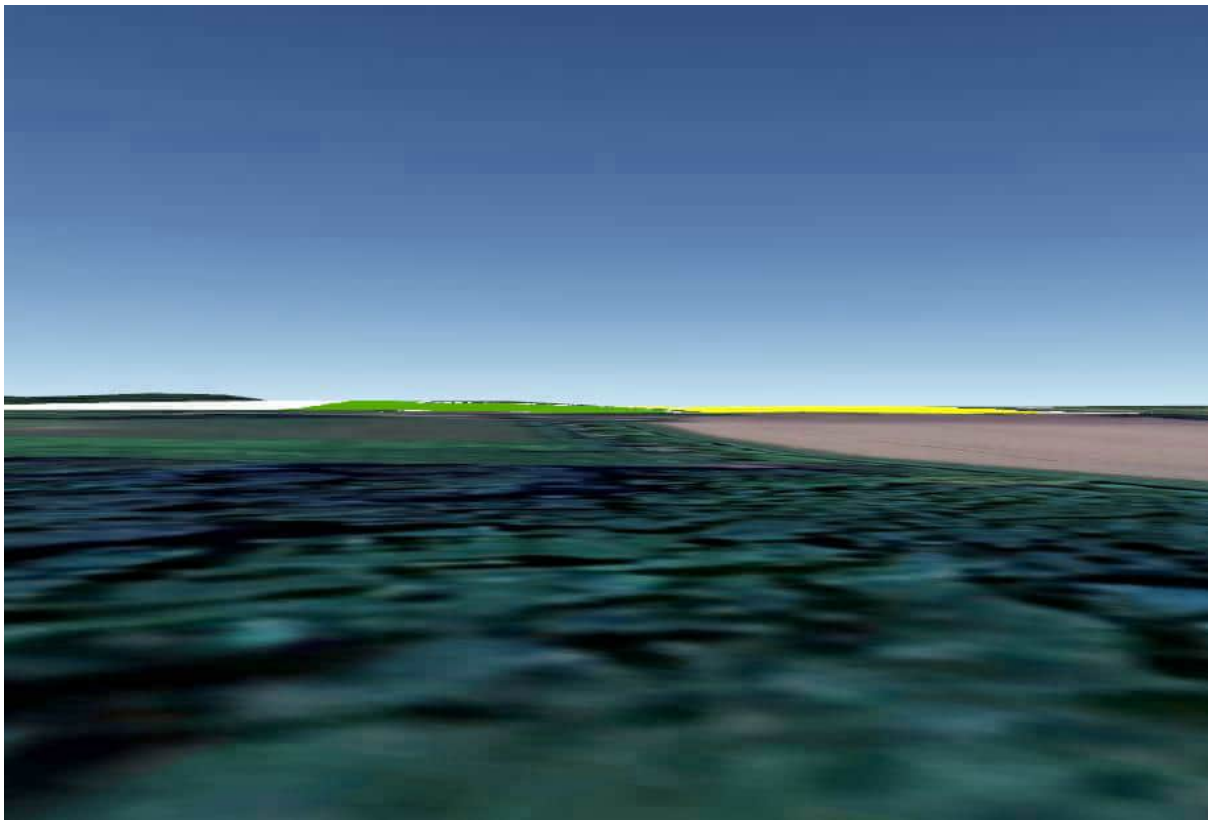
Receptor 36 (Group A Receptor 36)



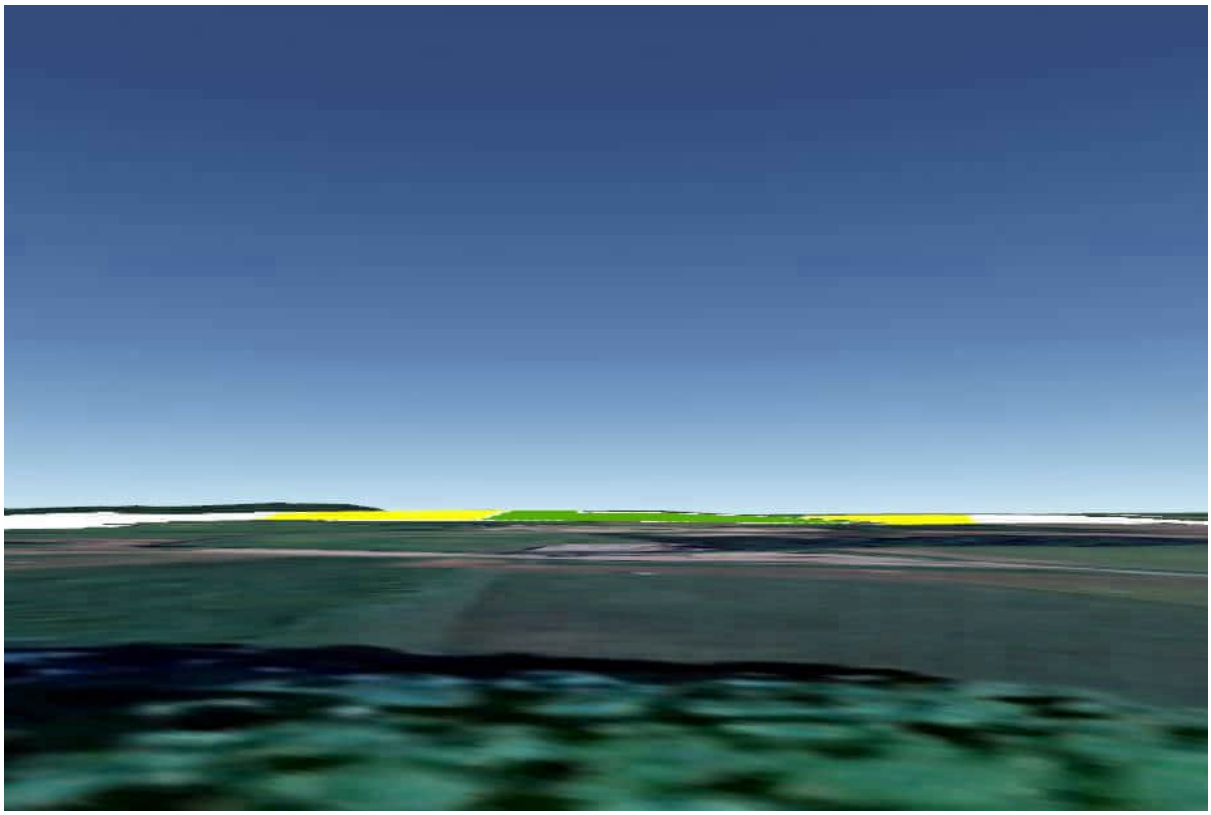
Receptor 37 (Group A Receptor 37)



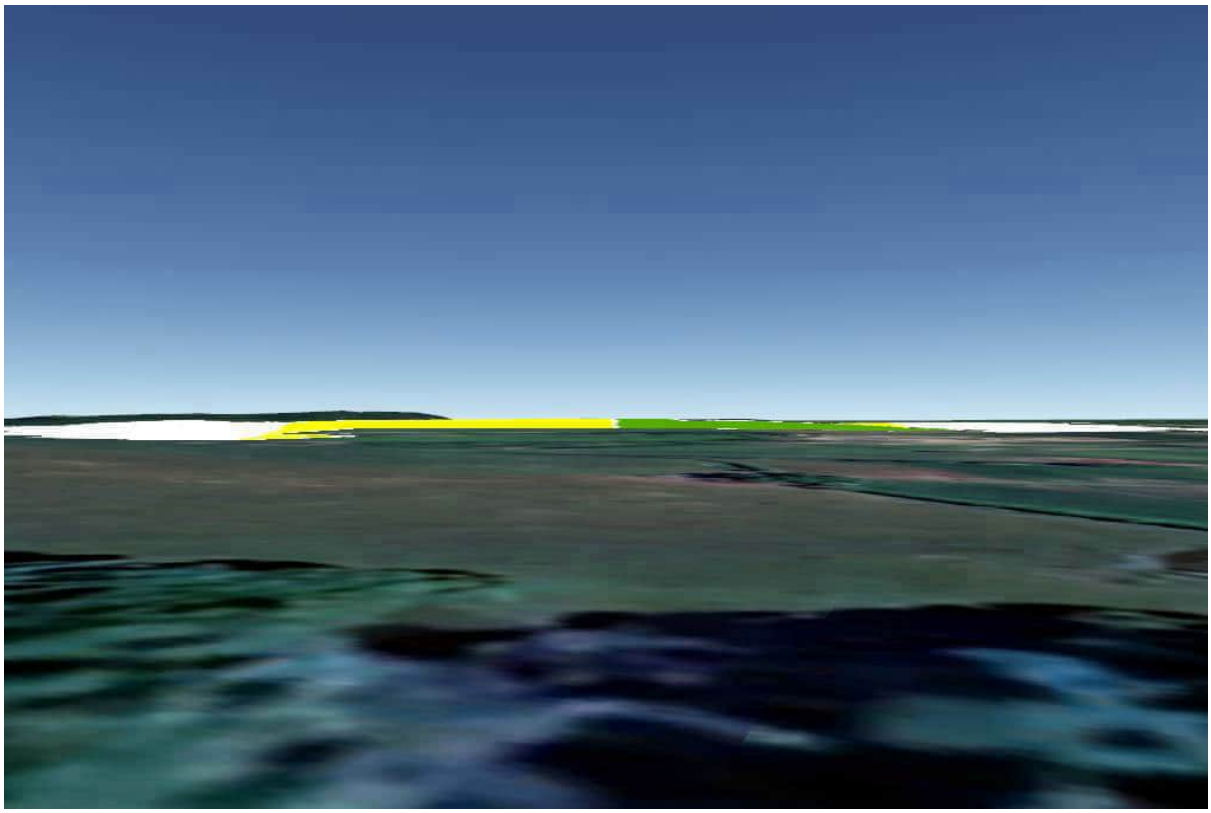
Receptor 38 (Group A Receptor 38)

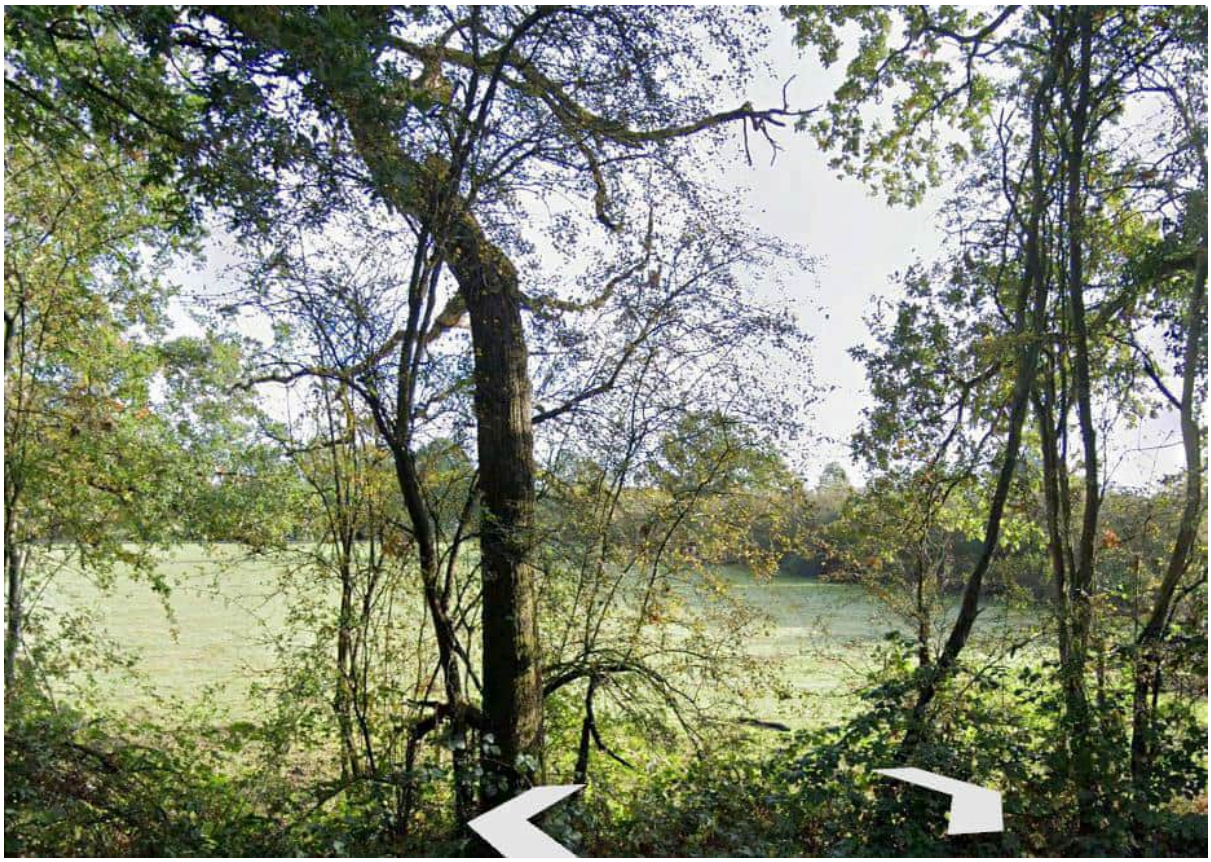


Receptor 39 (Group A Receptor 39)

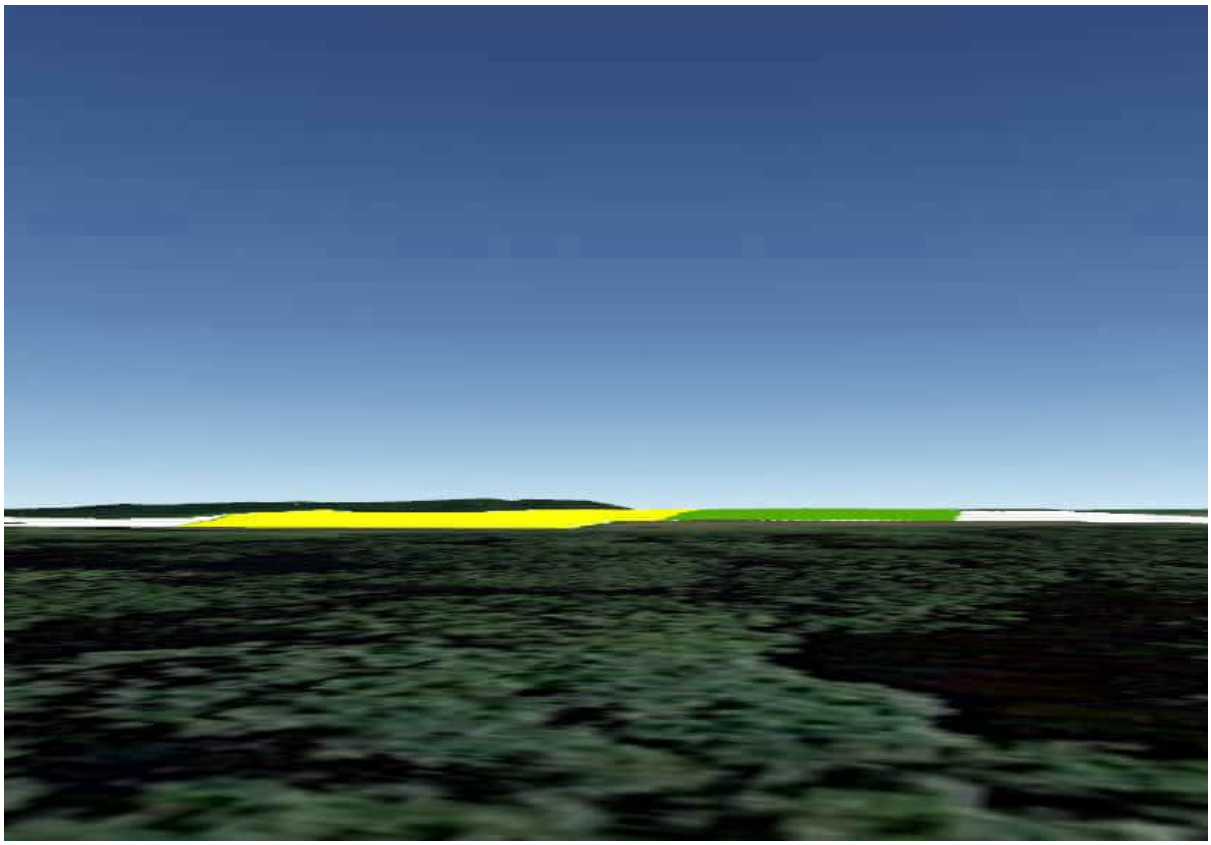


Receptor 40 (Group A Receptor 40)

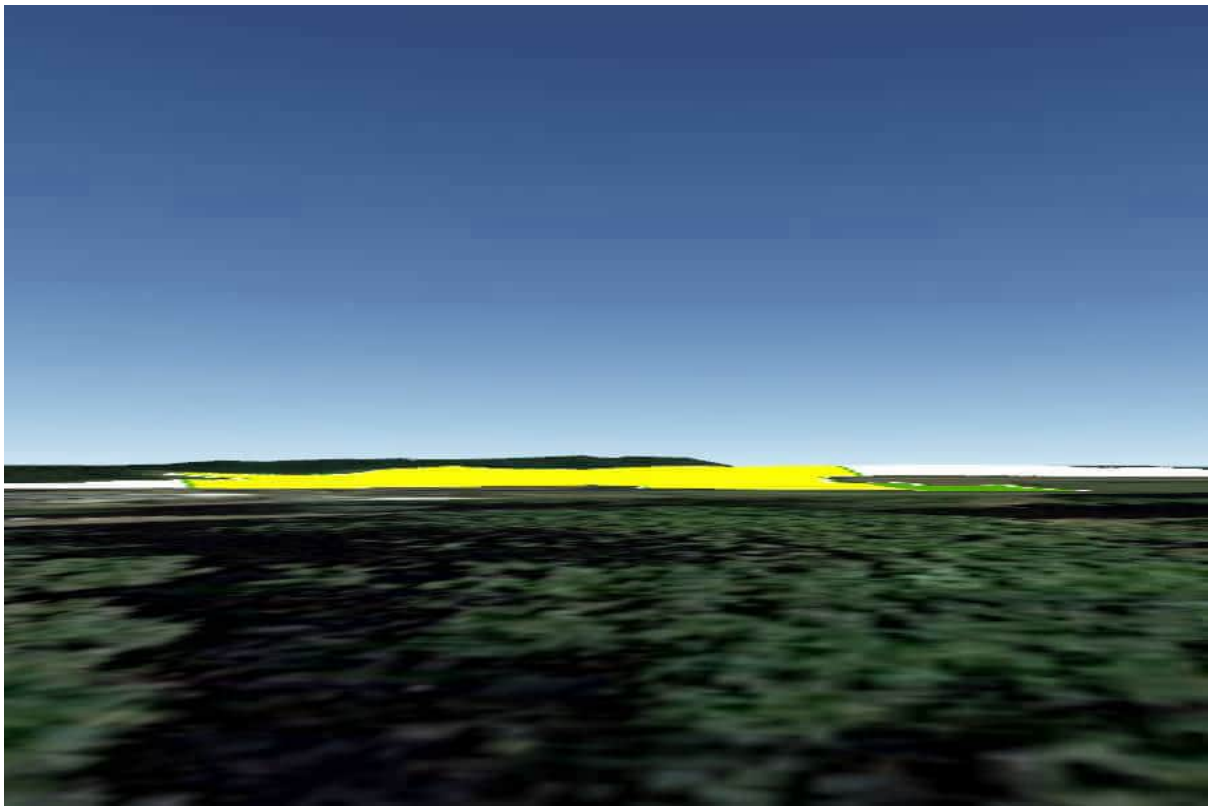


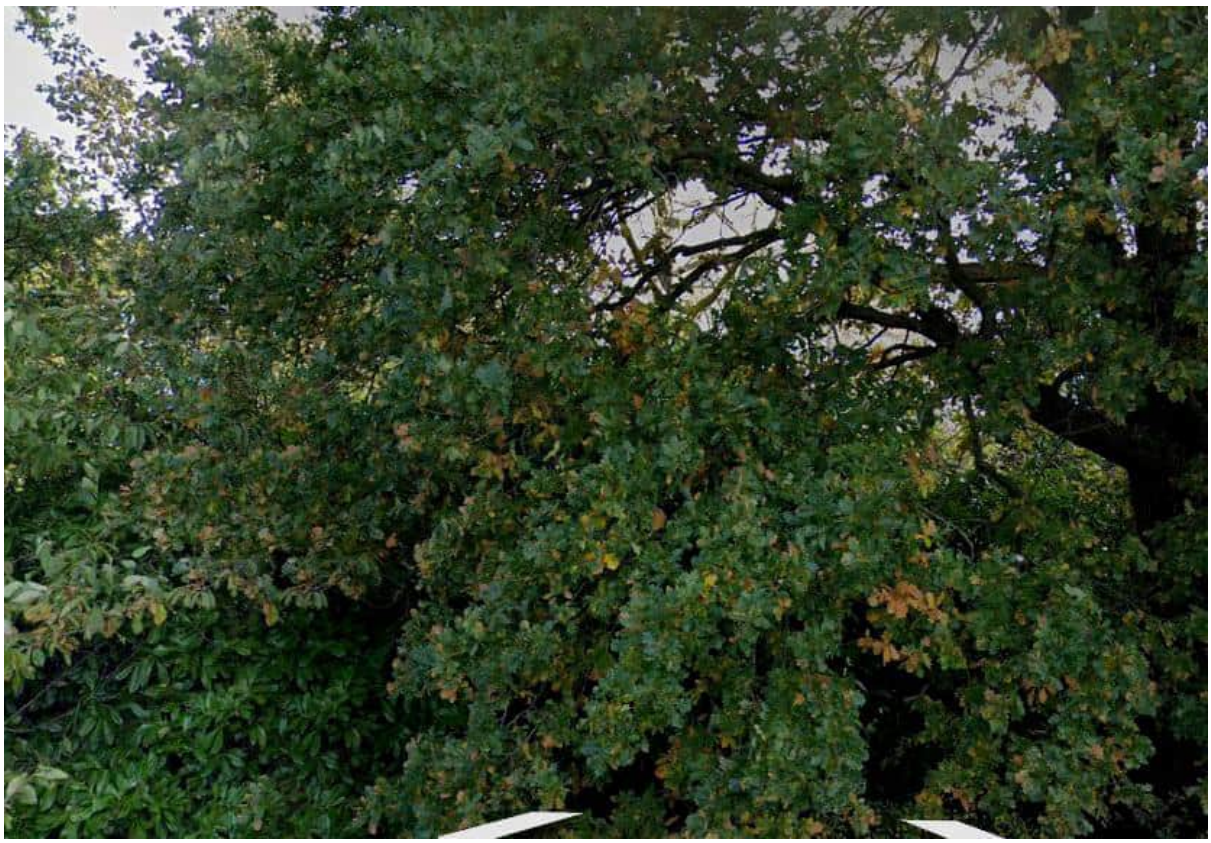


Receptor 41 (Group A Receptor 41)

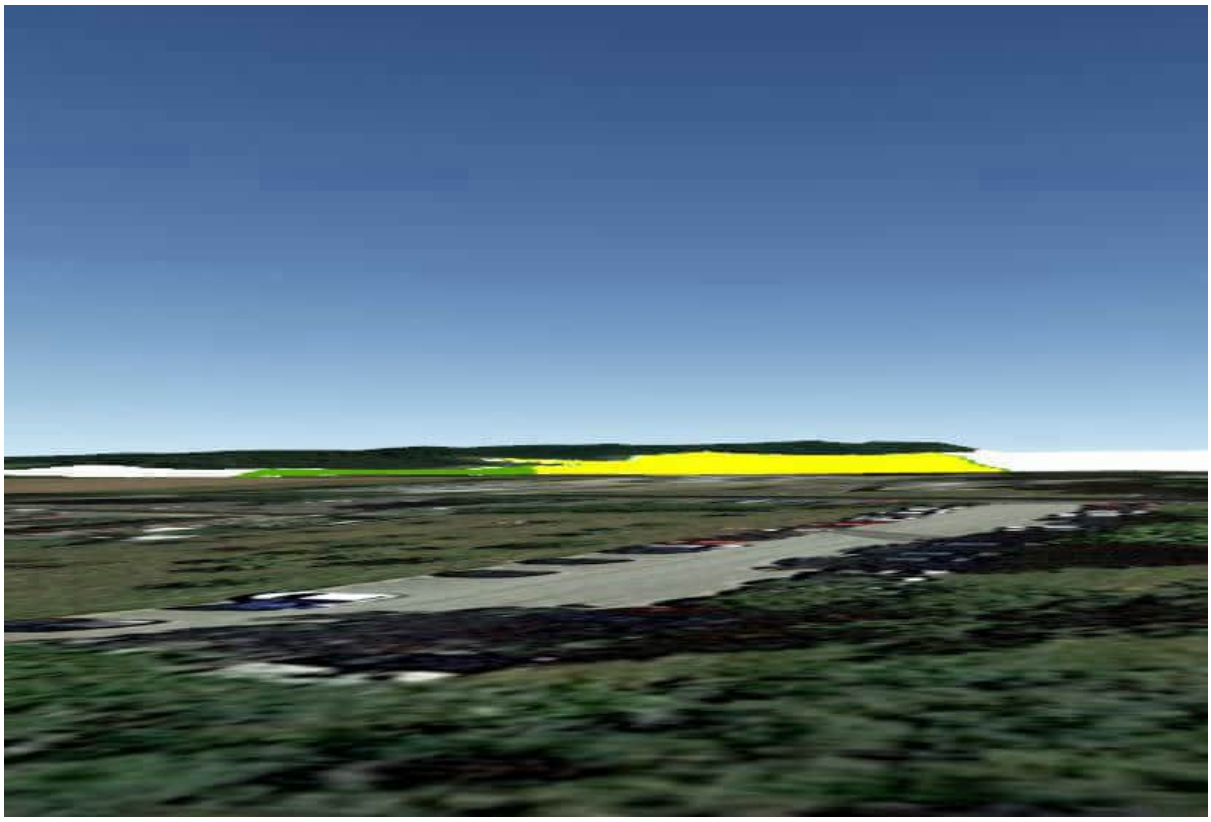


Receptor 42 (Group A Receptor 42)

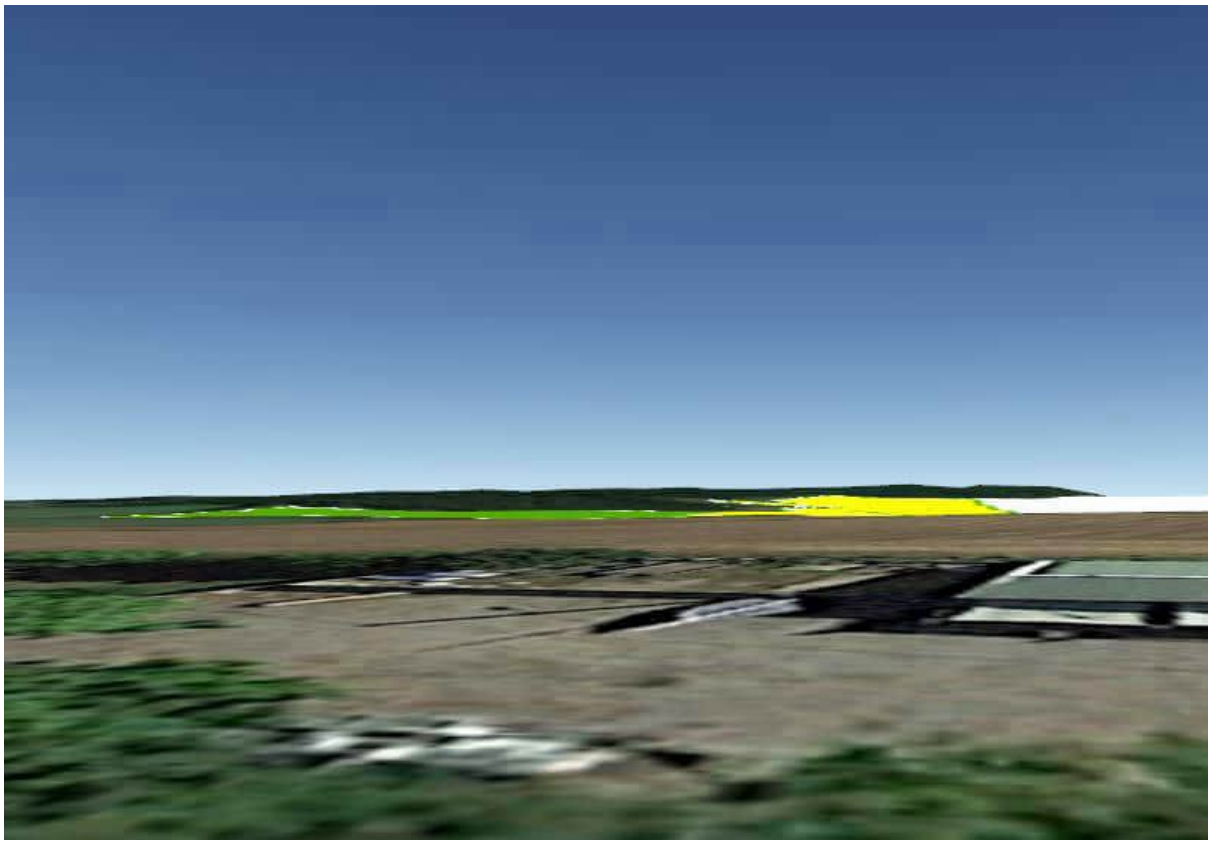


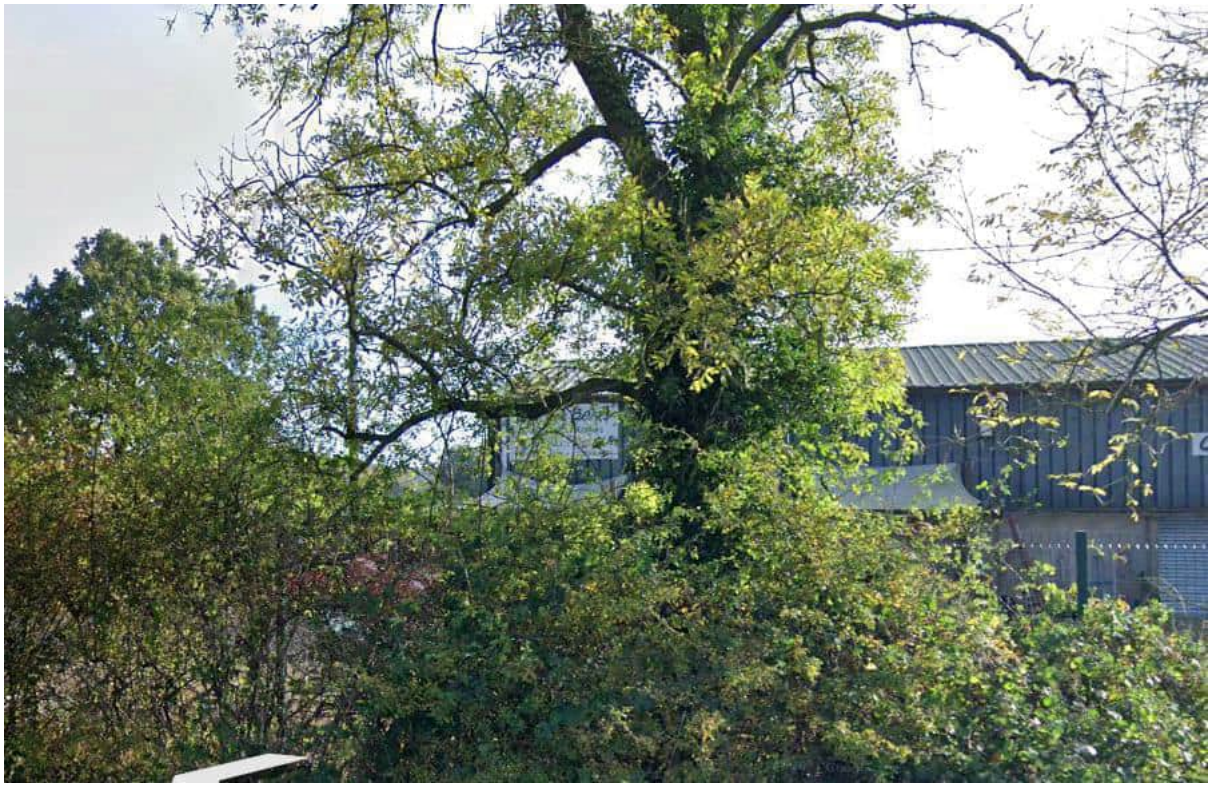


Receptor 43 (Group A Receptor 43)

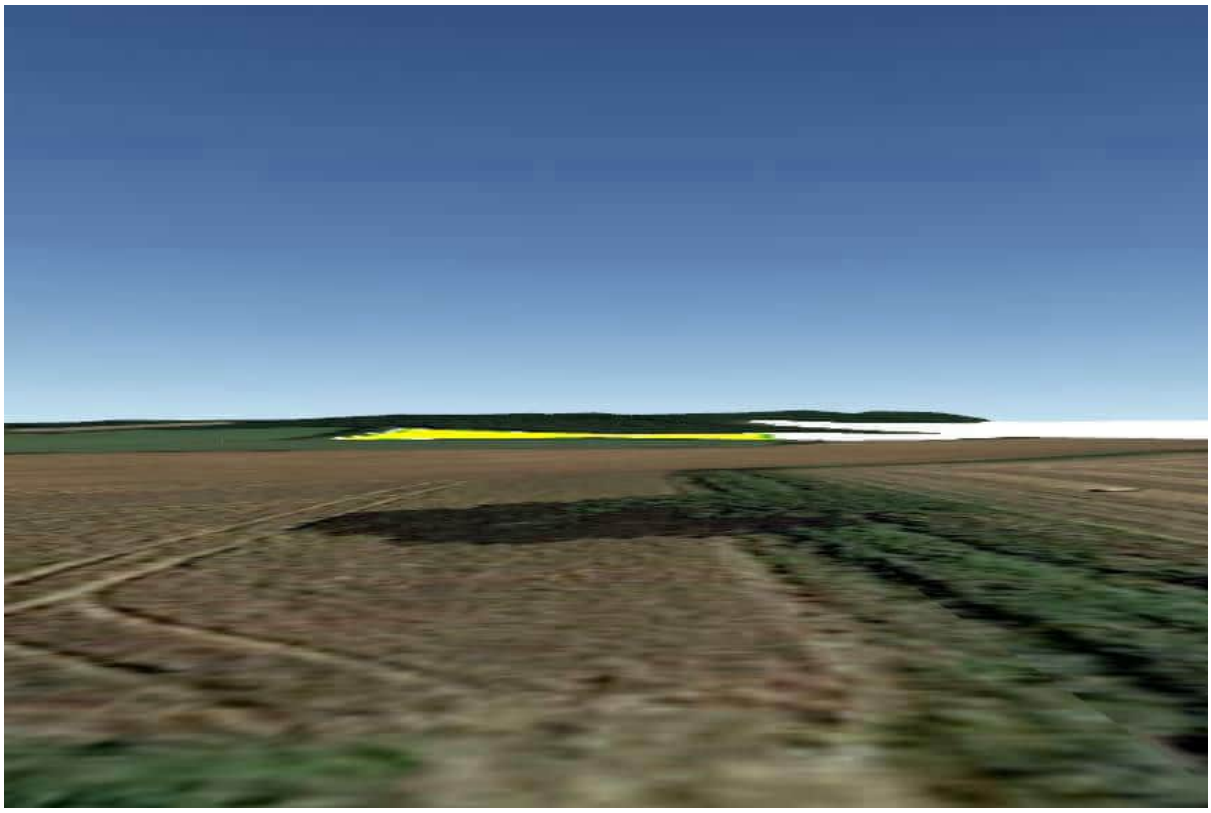


Receptor 44 (Group A Receptor 44)

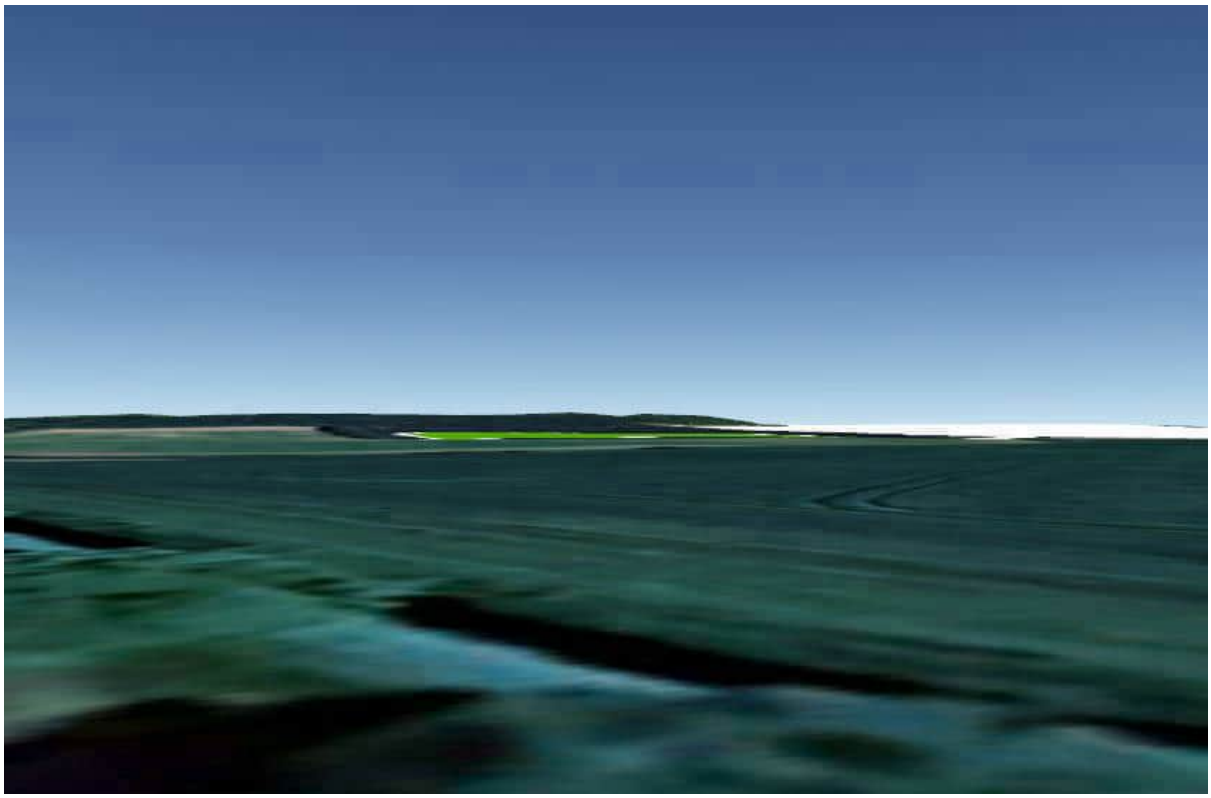




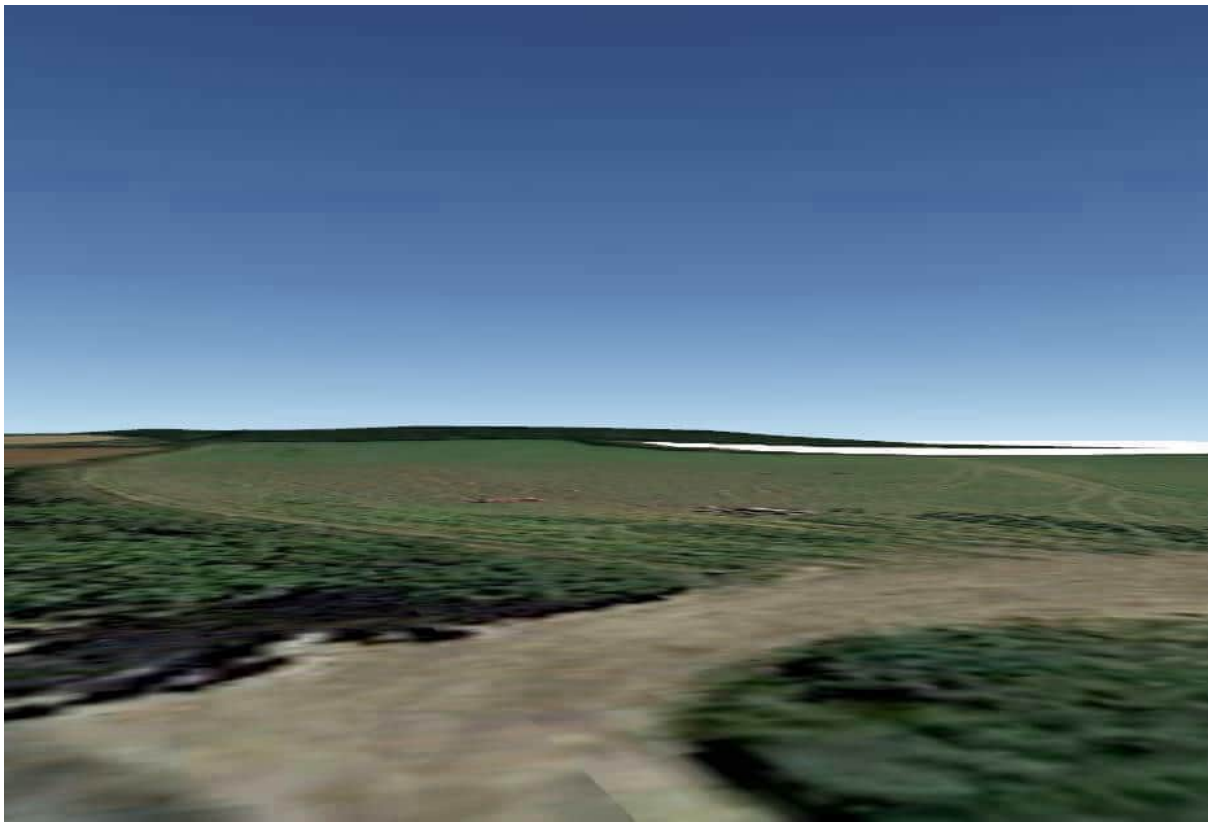
Receptor 45 (Group A Receptor 45)



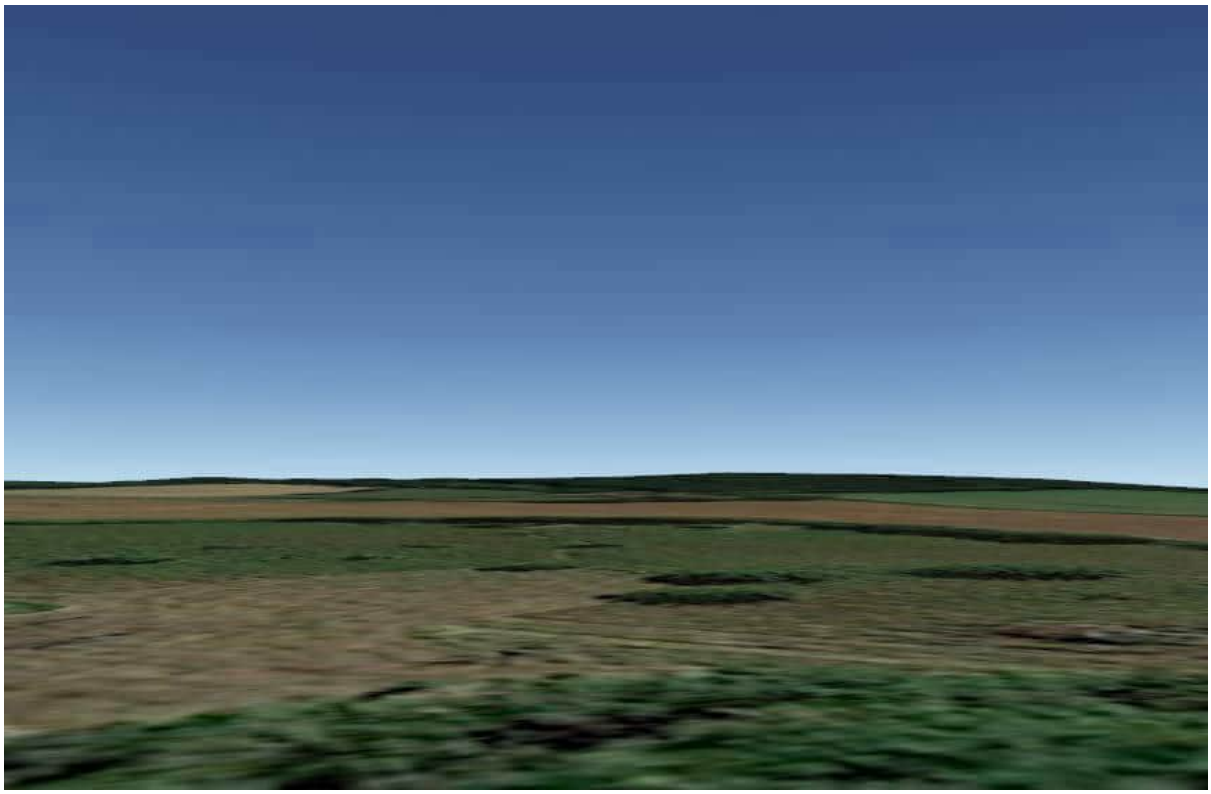
Receptor 46 (Group A Receptor 46)

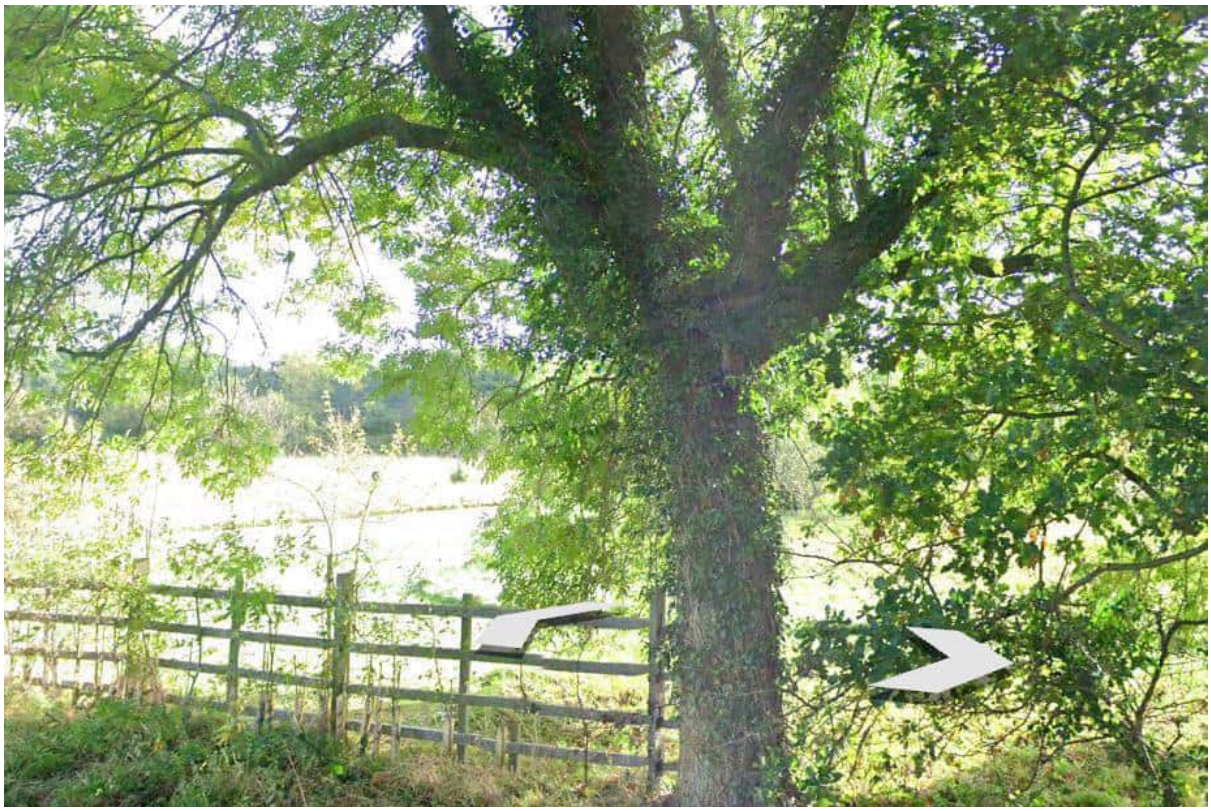


Receptor 47 (Group A Receptor 47)

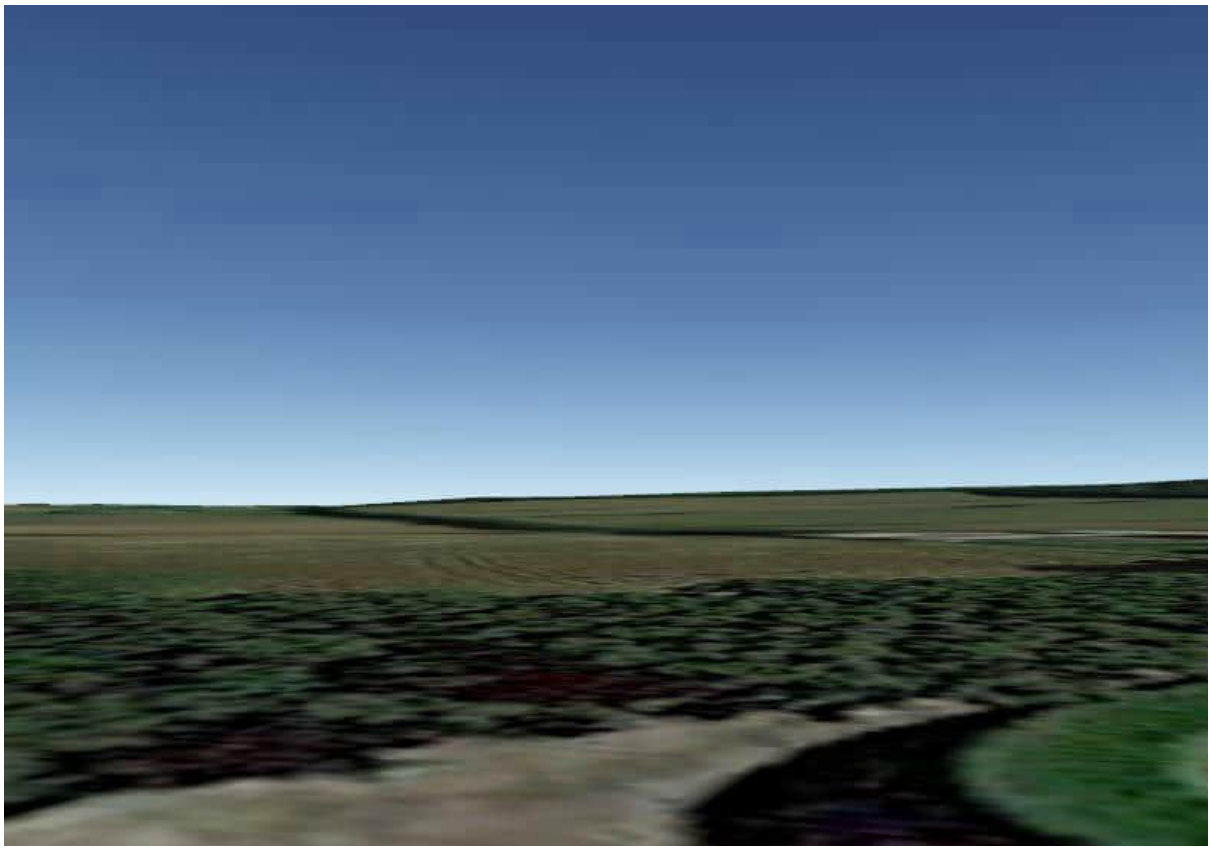


Receptor 48 (Group A Receptor 48)

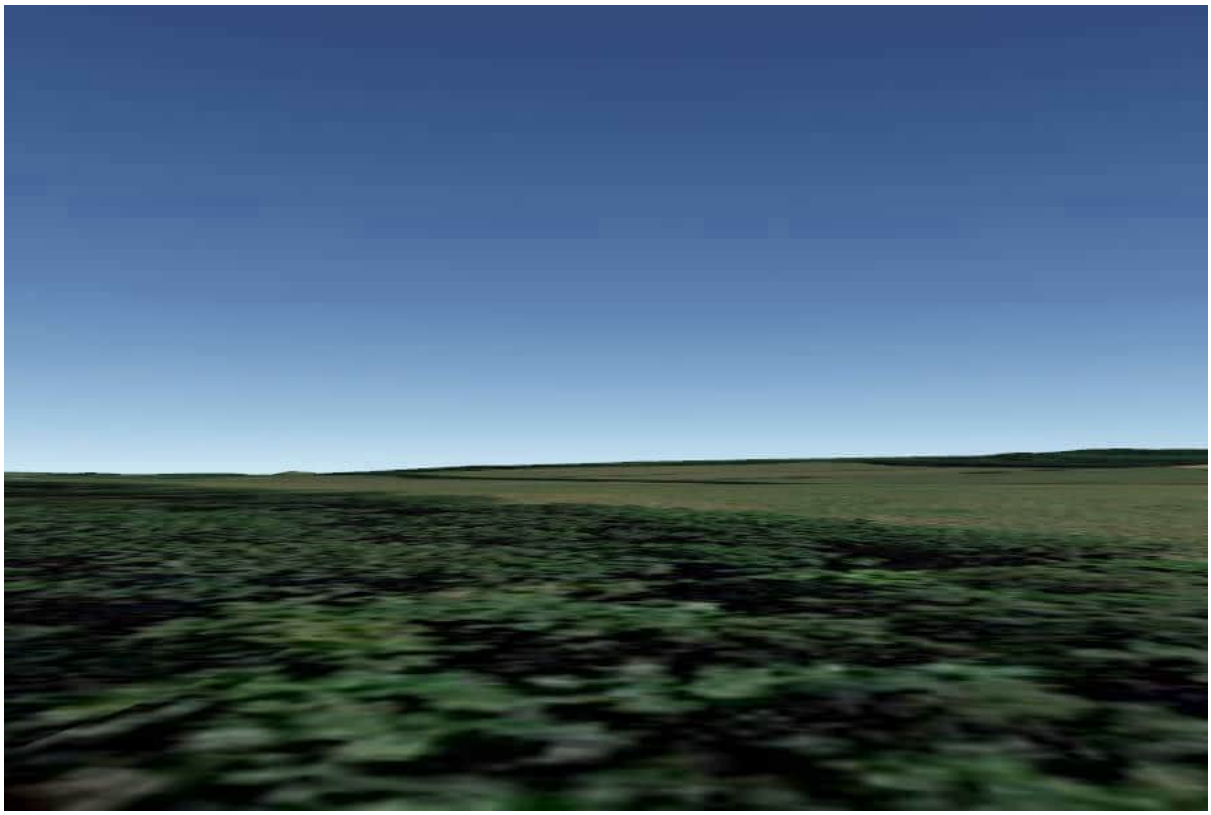




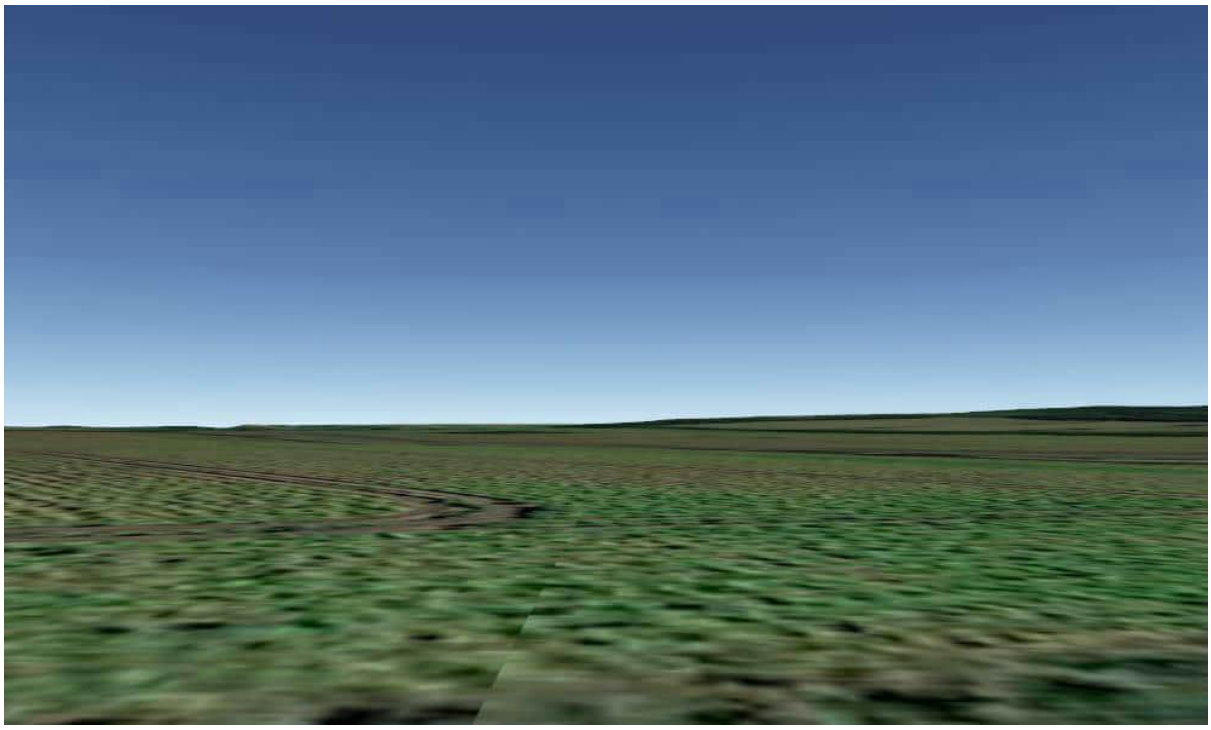
Receptor 49 (Group A Receptor 49)



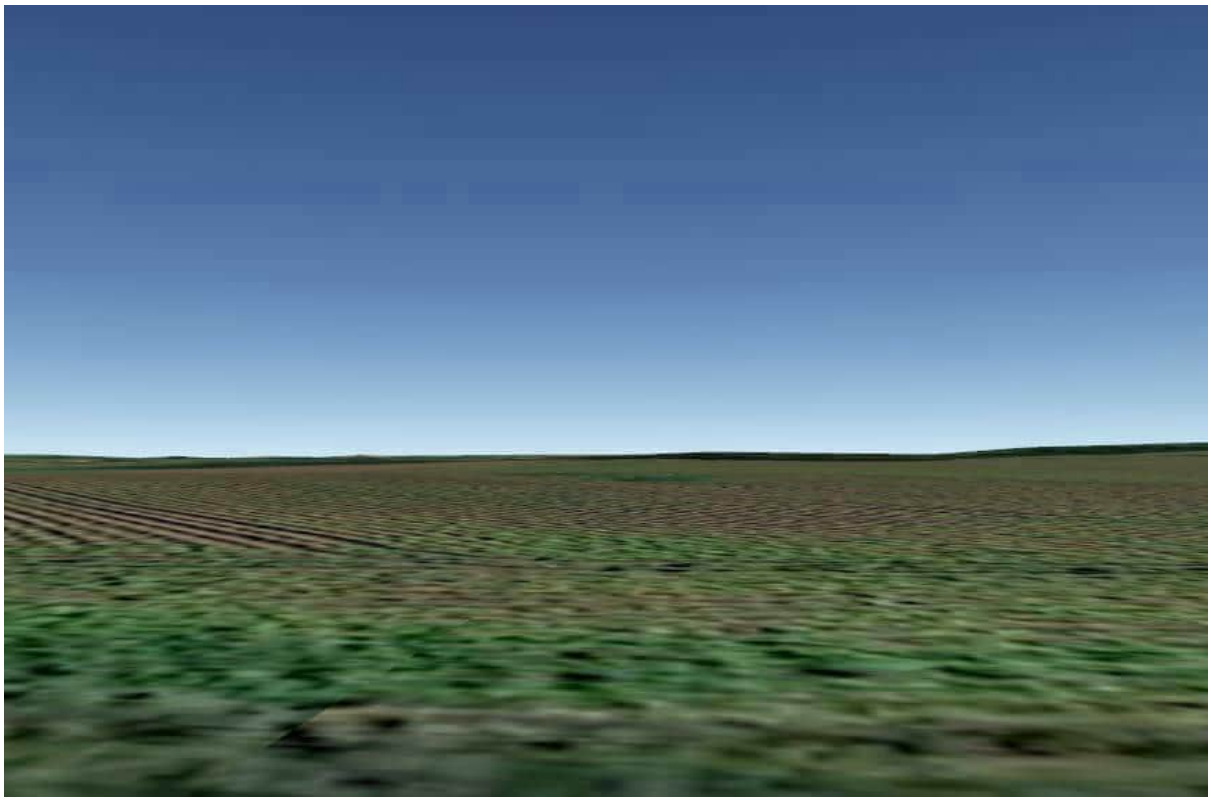
Receptor 50 (Group A Receptor 50)



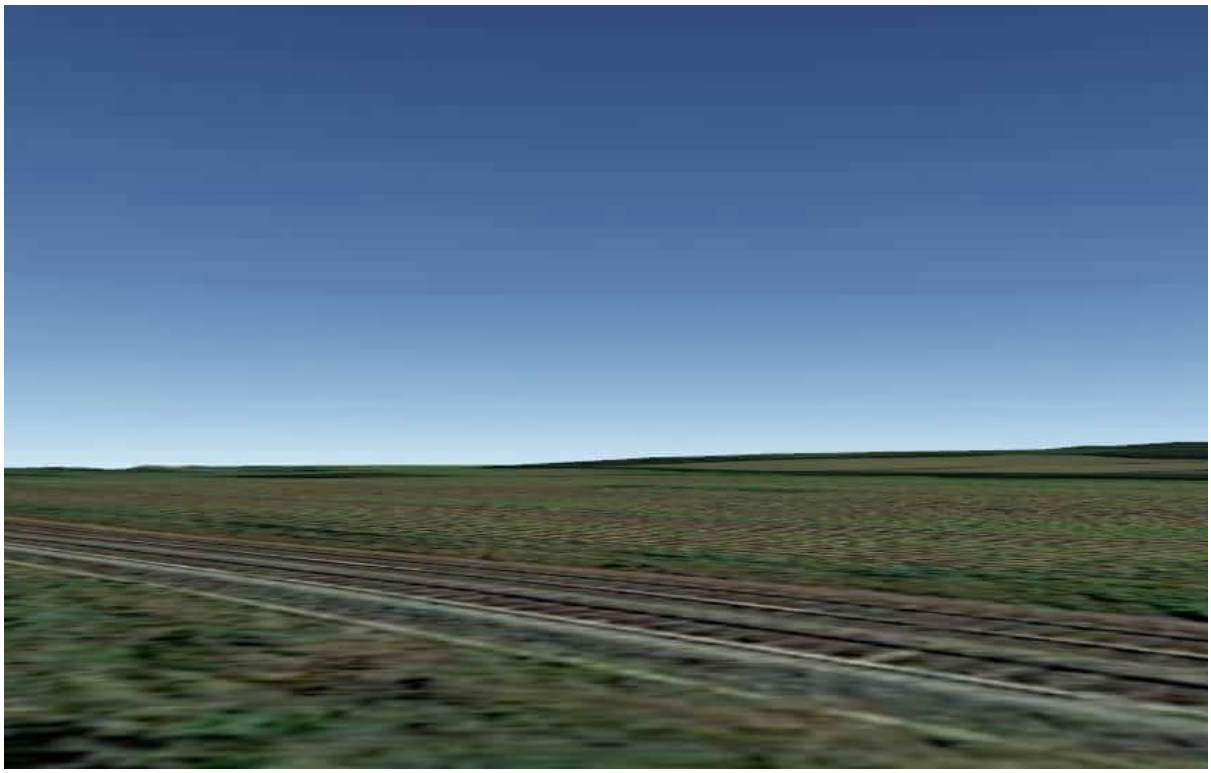
Receptor 51 (Group A Receptor 51)



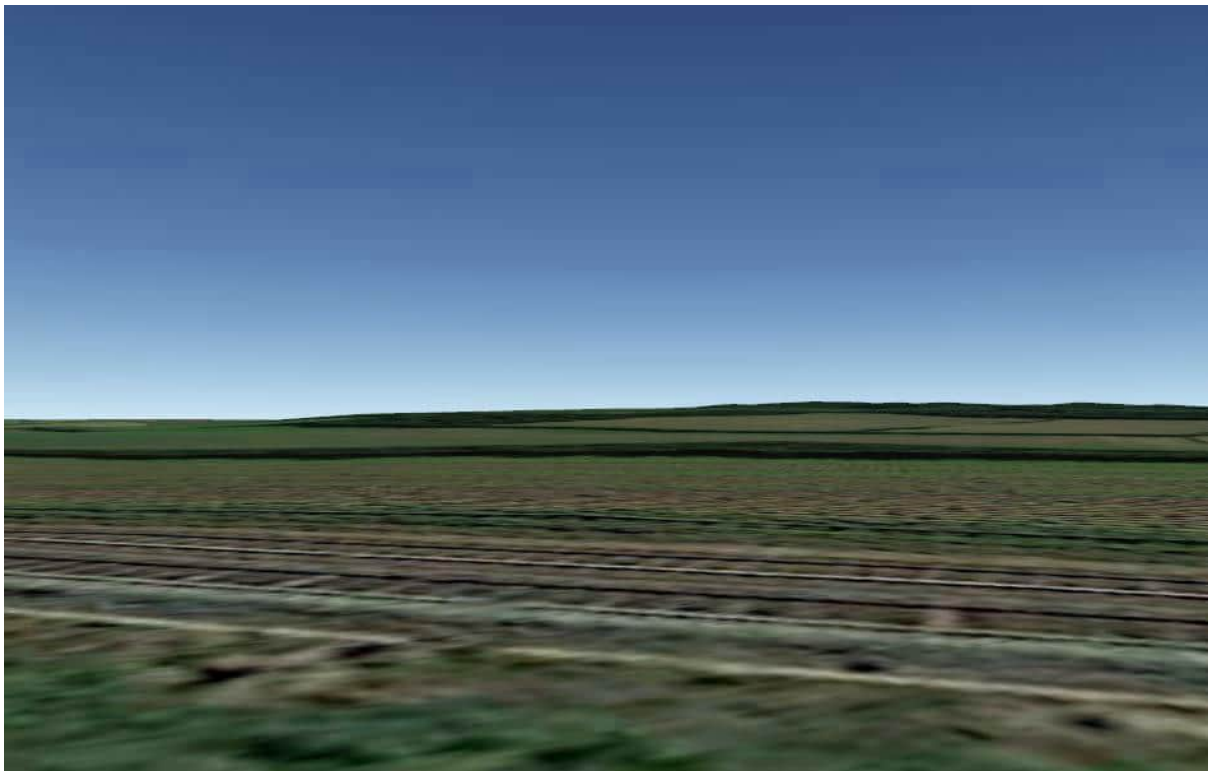
Receptor 52 (Group A Receptor 52)



Receptor 53 (Group A Receptor 53)

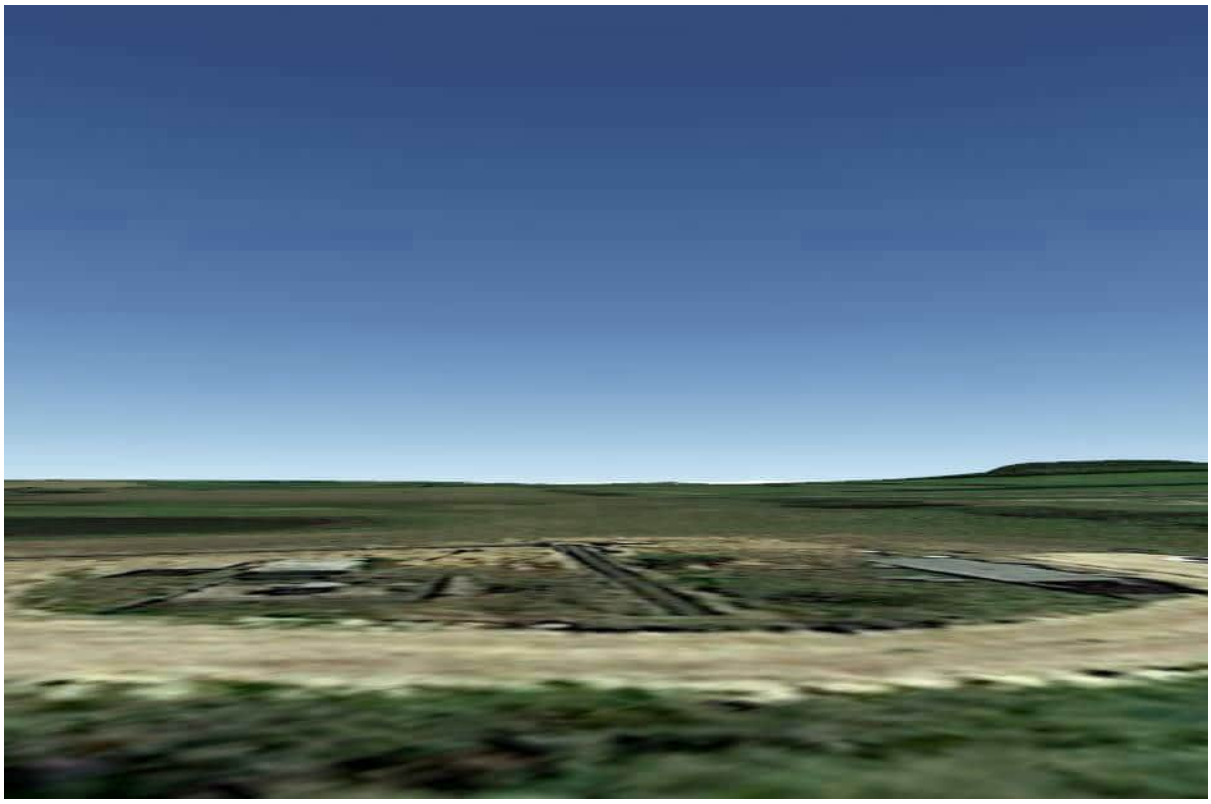


Receptor 54 (Group A Receptor 54)

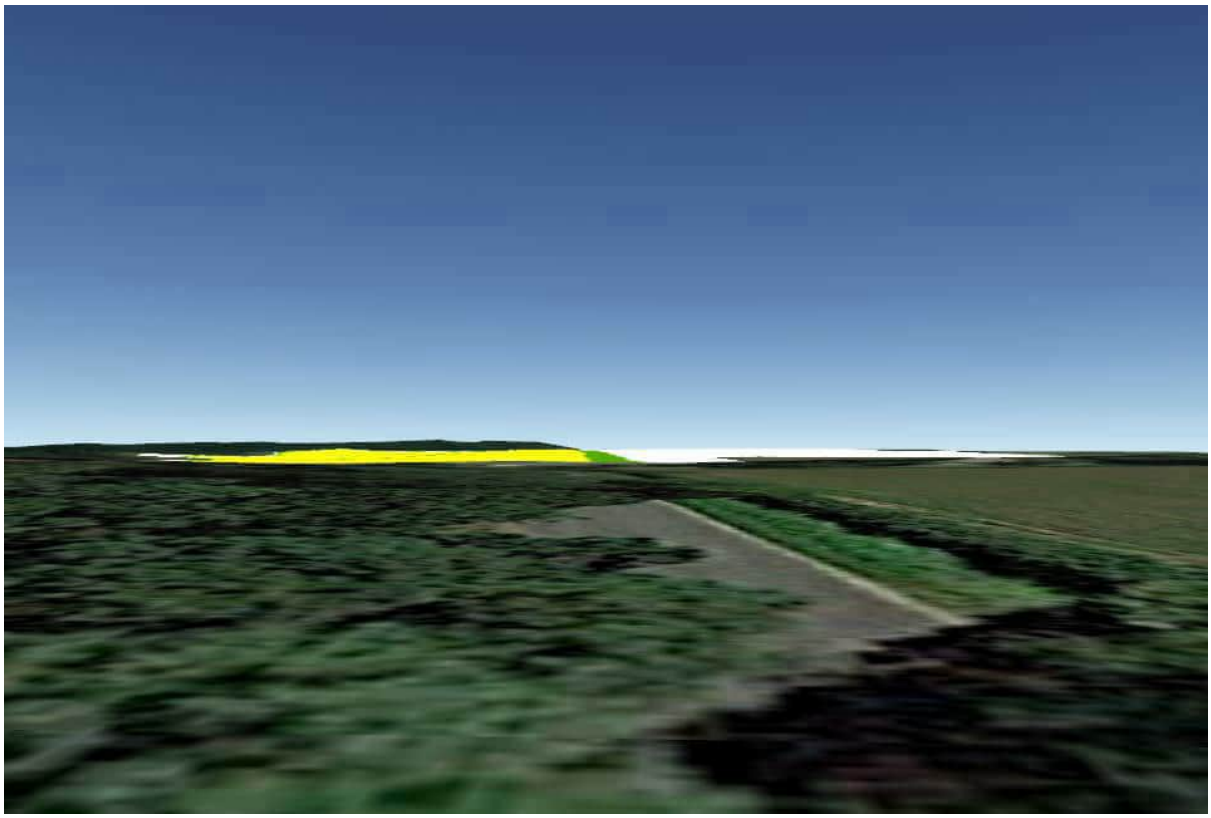


Receptor 55 (Group A Receptor 55)

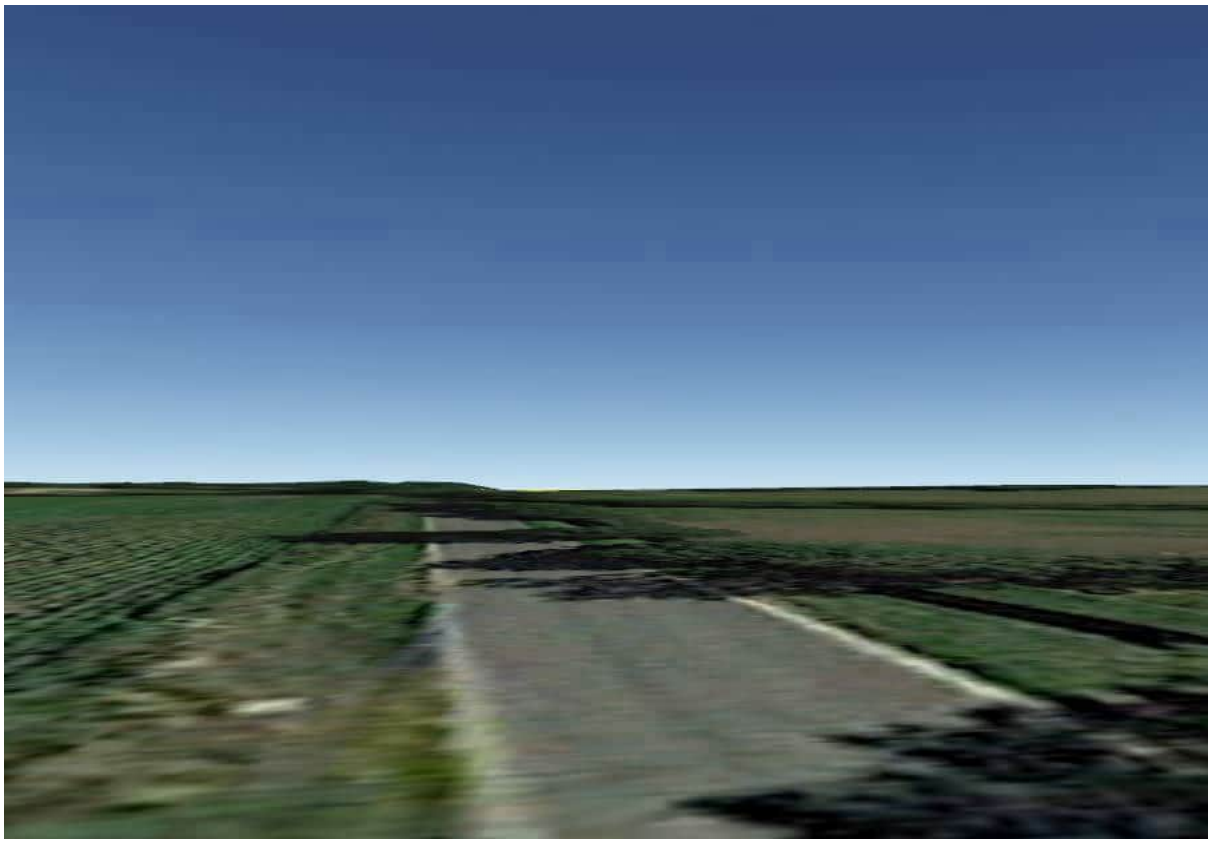
Receptor 57 (Group A Receptor 57)



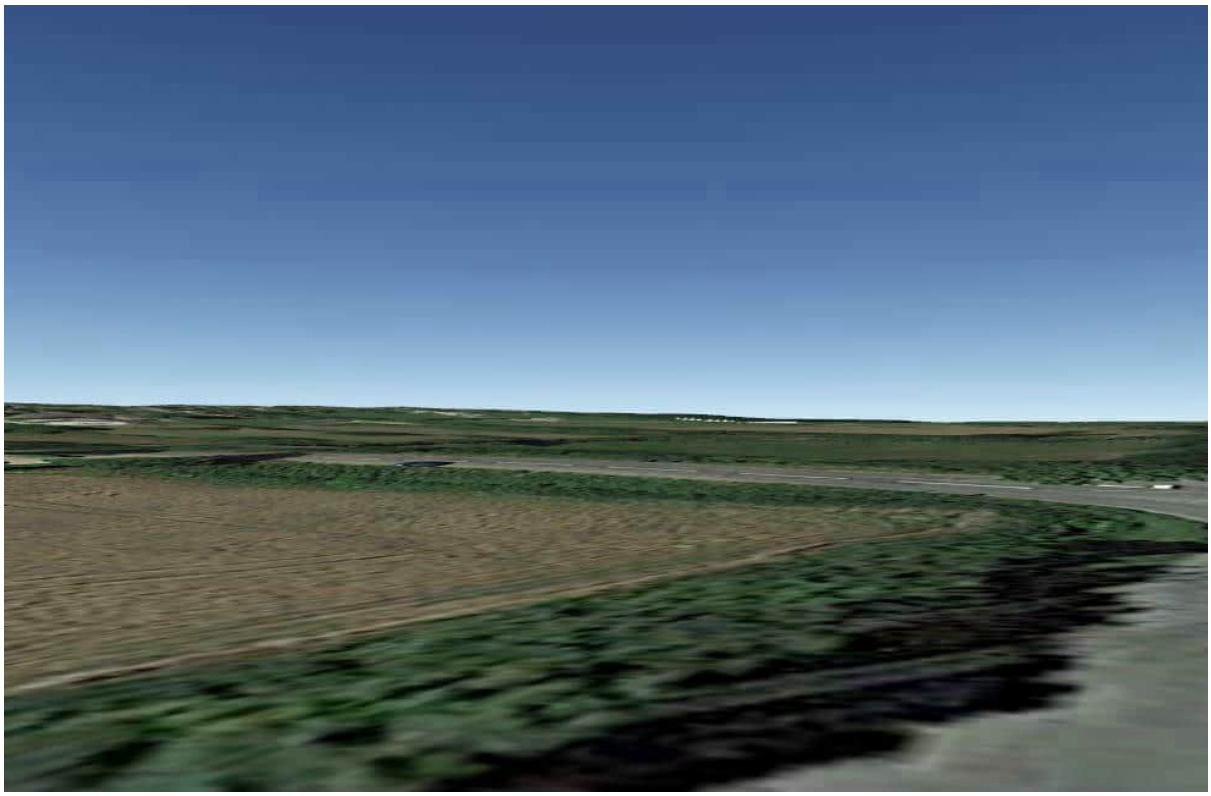
Receptor 58 (Group A Receptor 58)



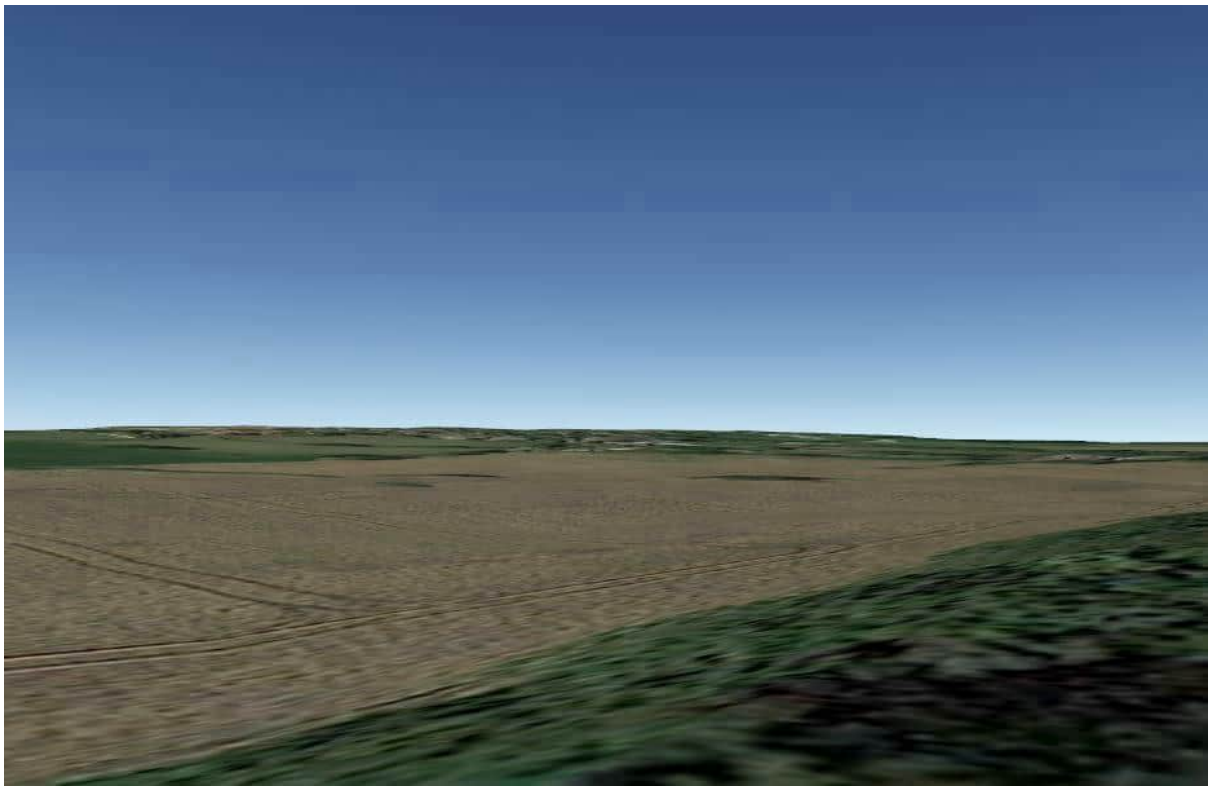
Receptor 59 (Group A Receptor 59)



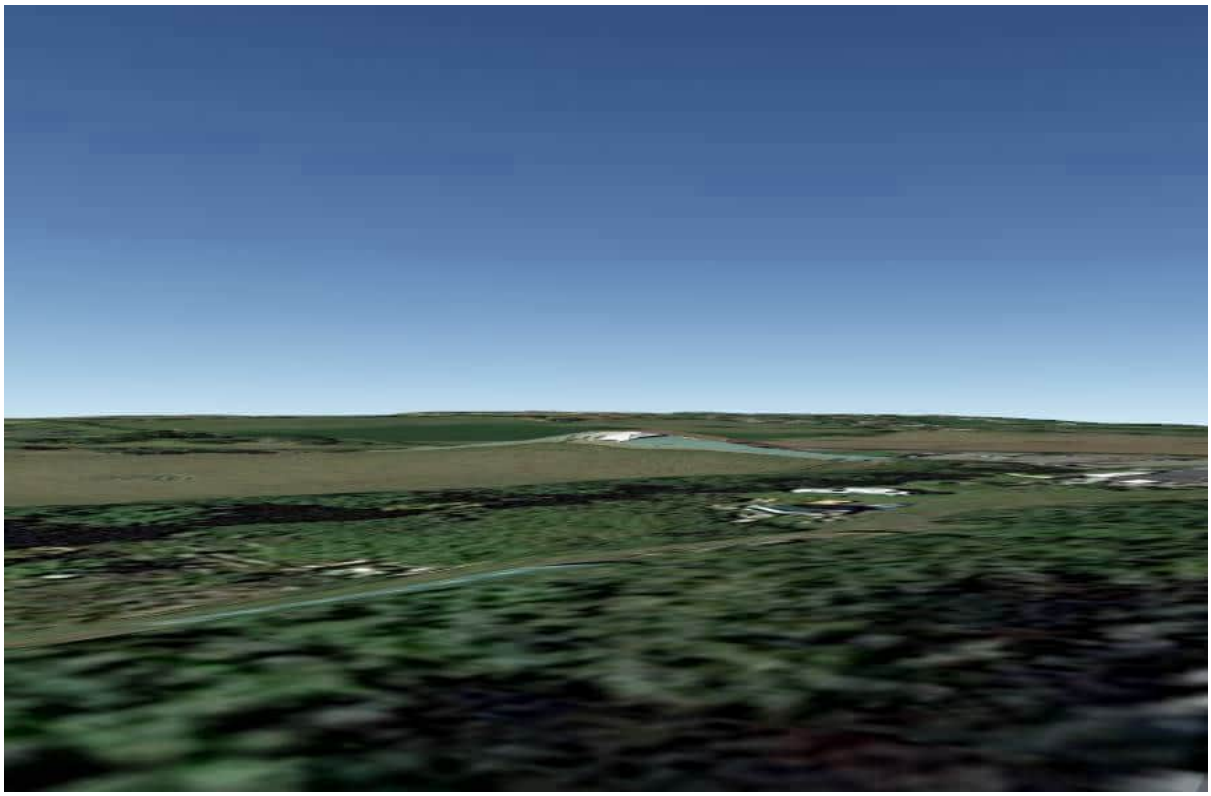
Receptor 60 (Group A Receptor 60)



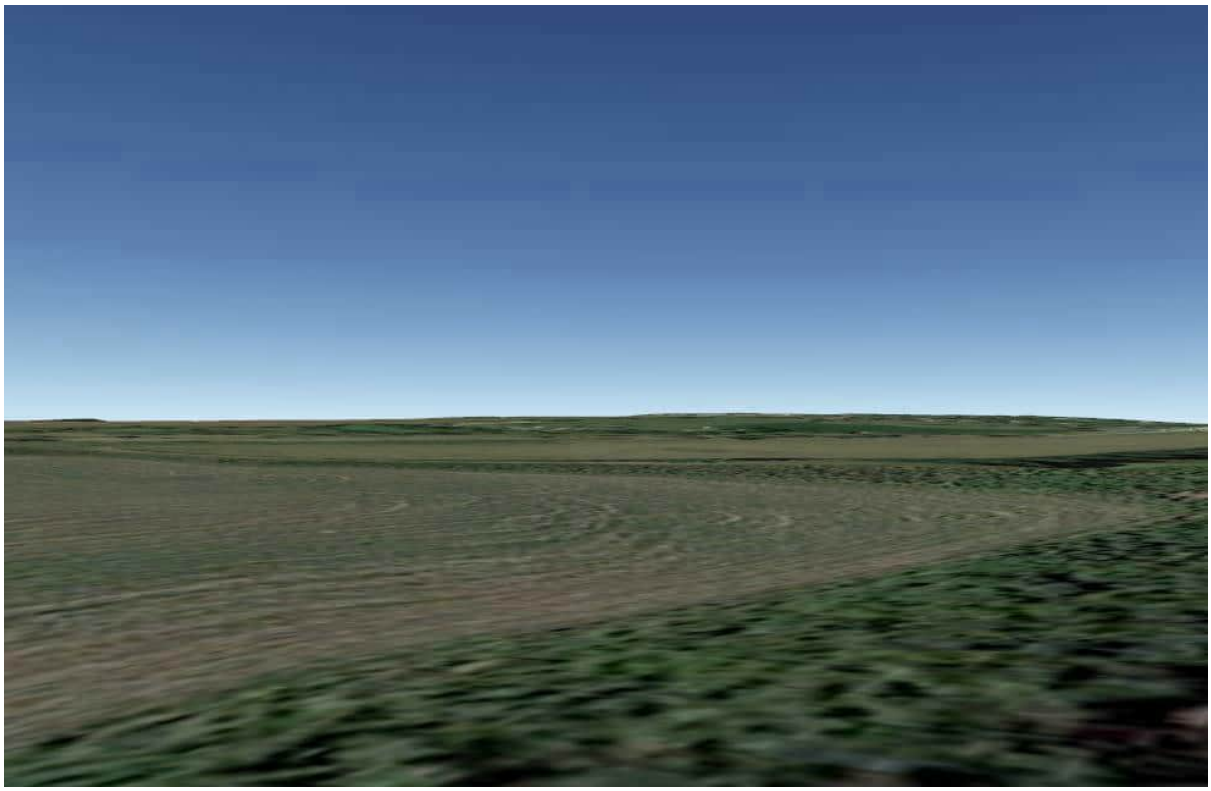
Receptor 61 (Group A Receptor 61)



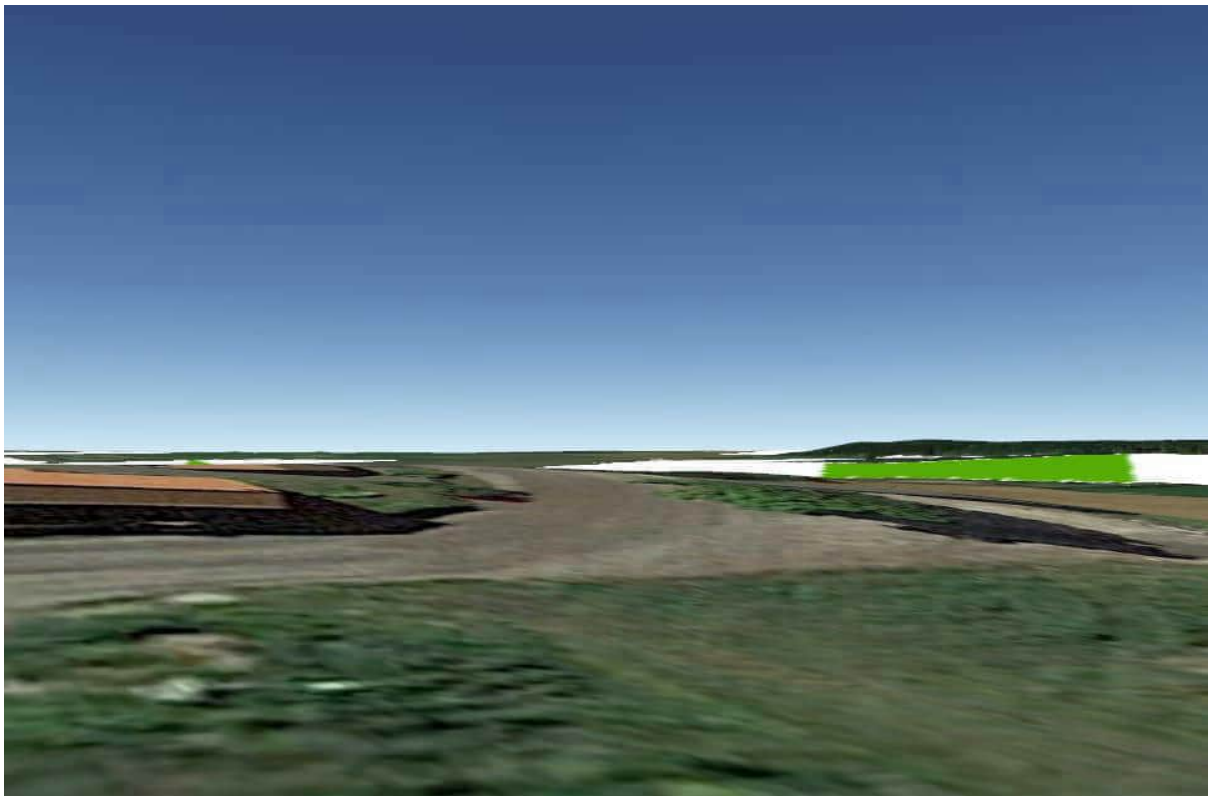
Receptor 62 (Group A Receptor 62)



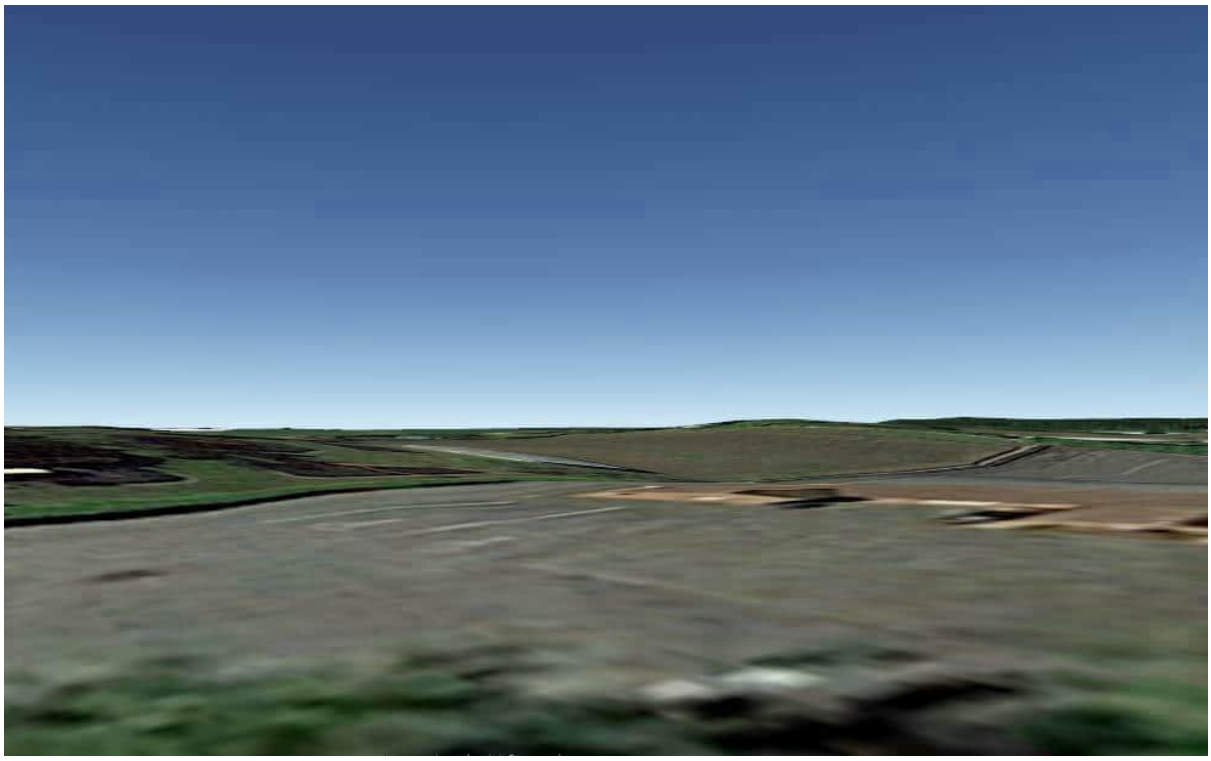
Receptor 63 (Group A Receptor 63)



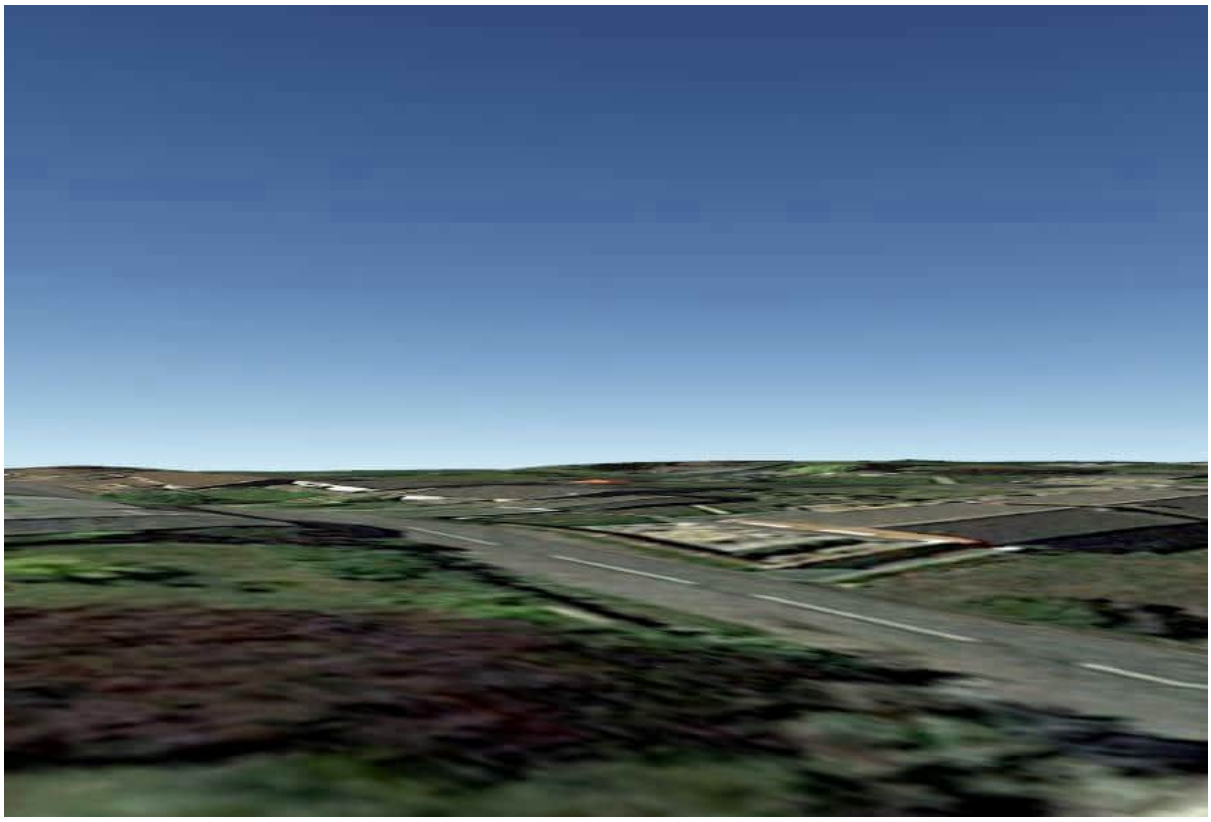
Receptor 64 (Group A Receptor 64)



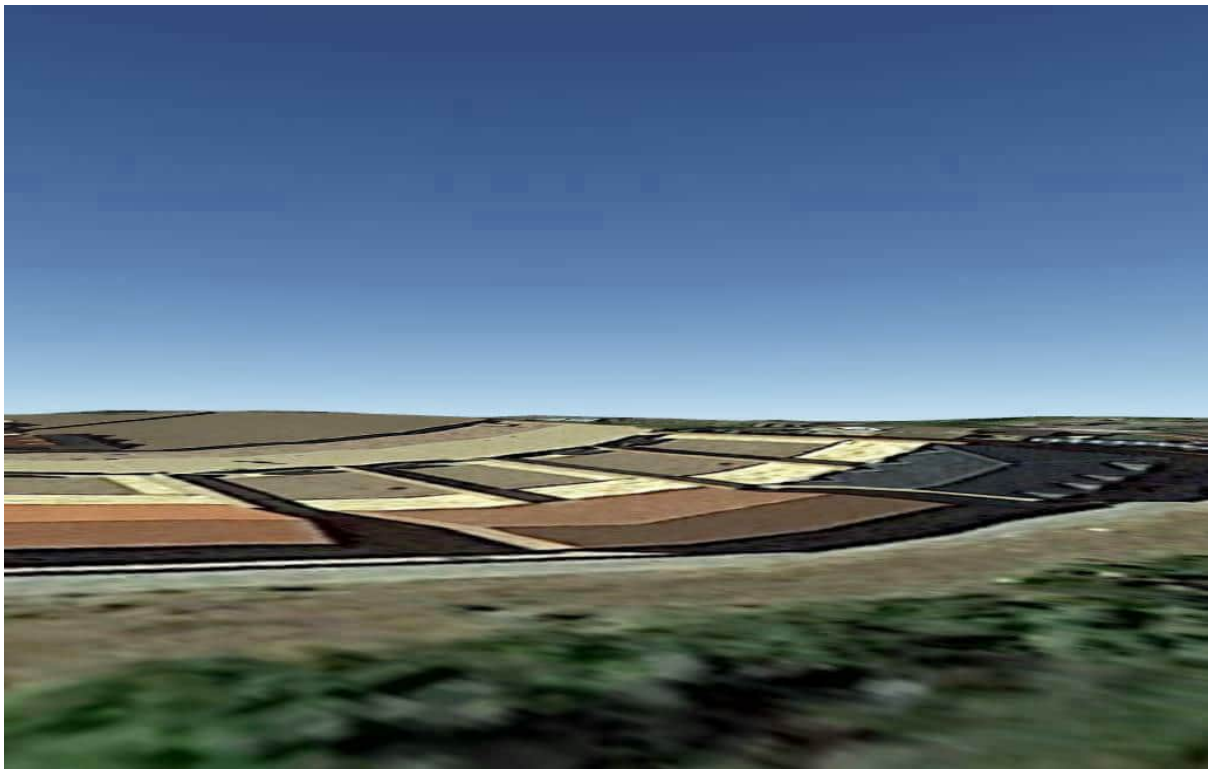
Receptor 65 (Group A Receptor 65)



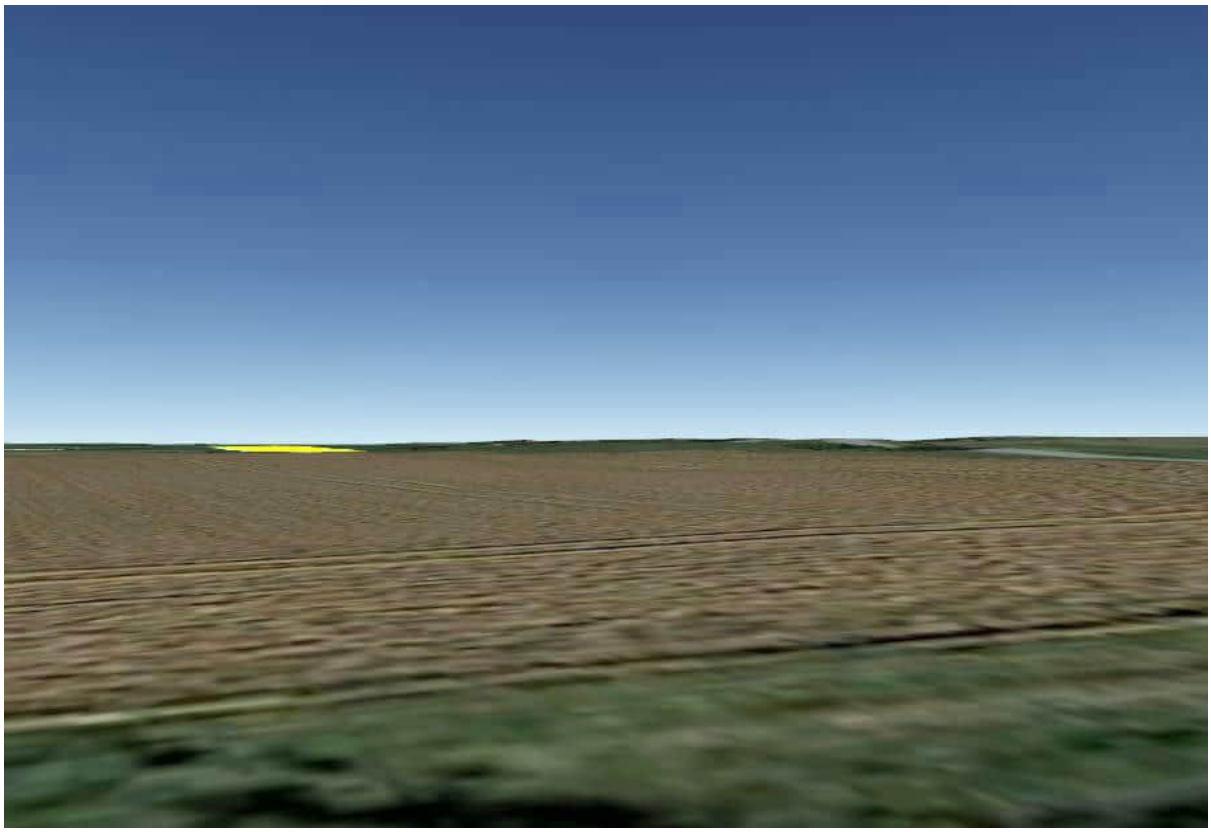
Receptor 66 (Group A Receptor 66)



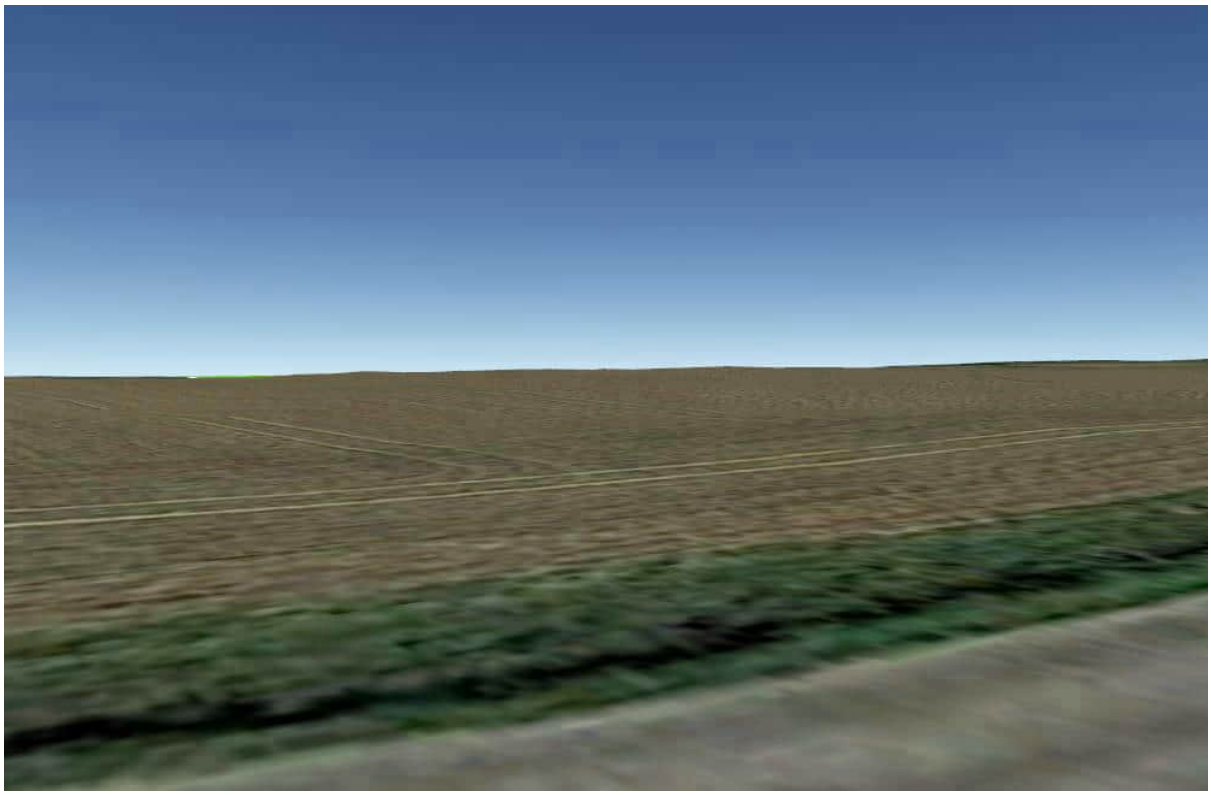
Receptor 67 (Group A Receptor 67)



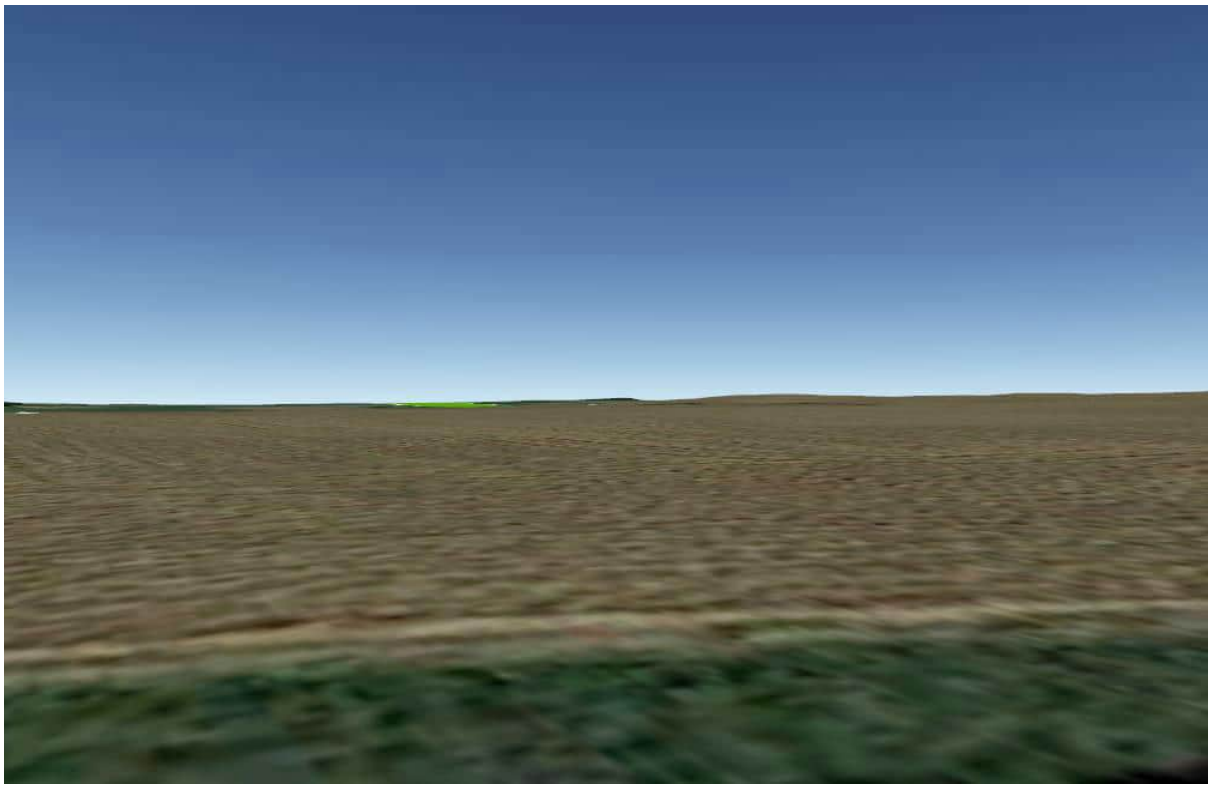
Receptor 68 (Group A Receptor 68)



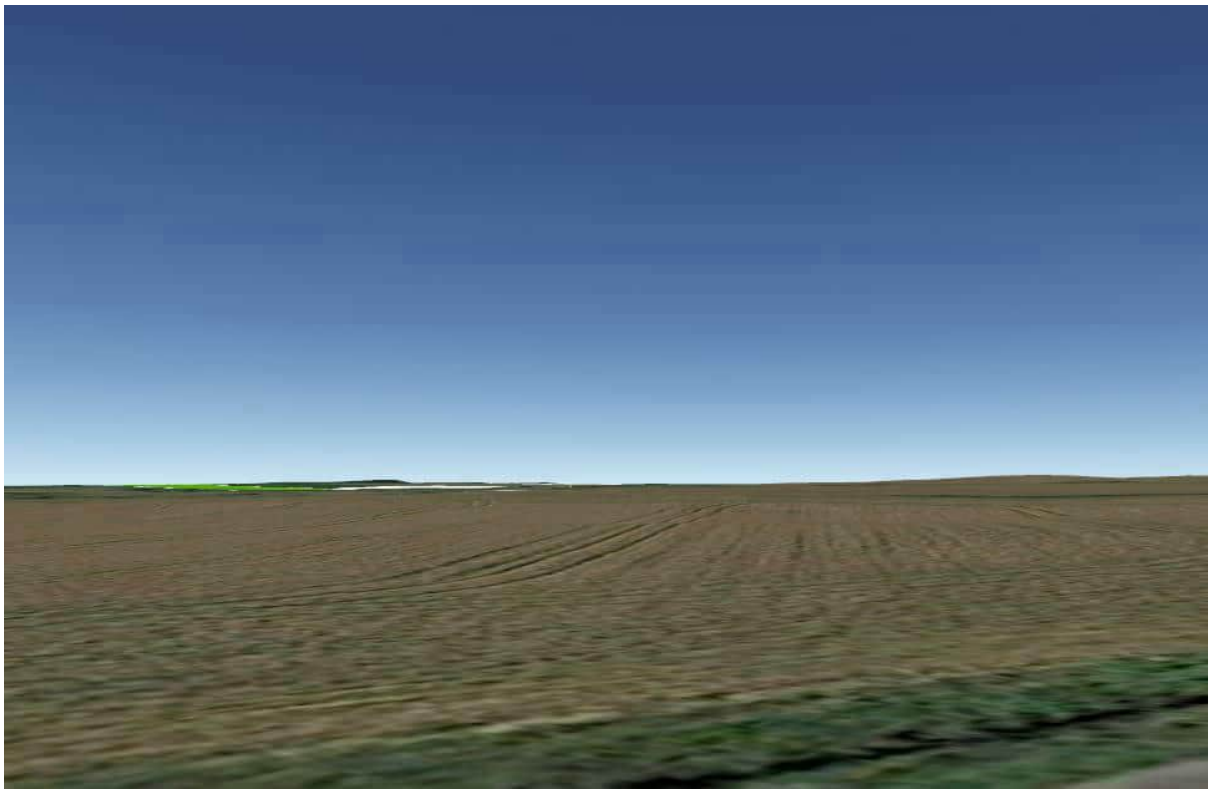
Receptor 69 (Group A Receptor 69)



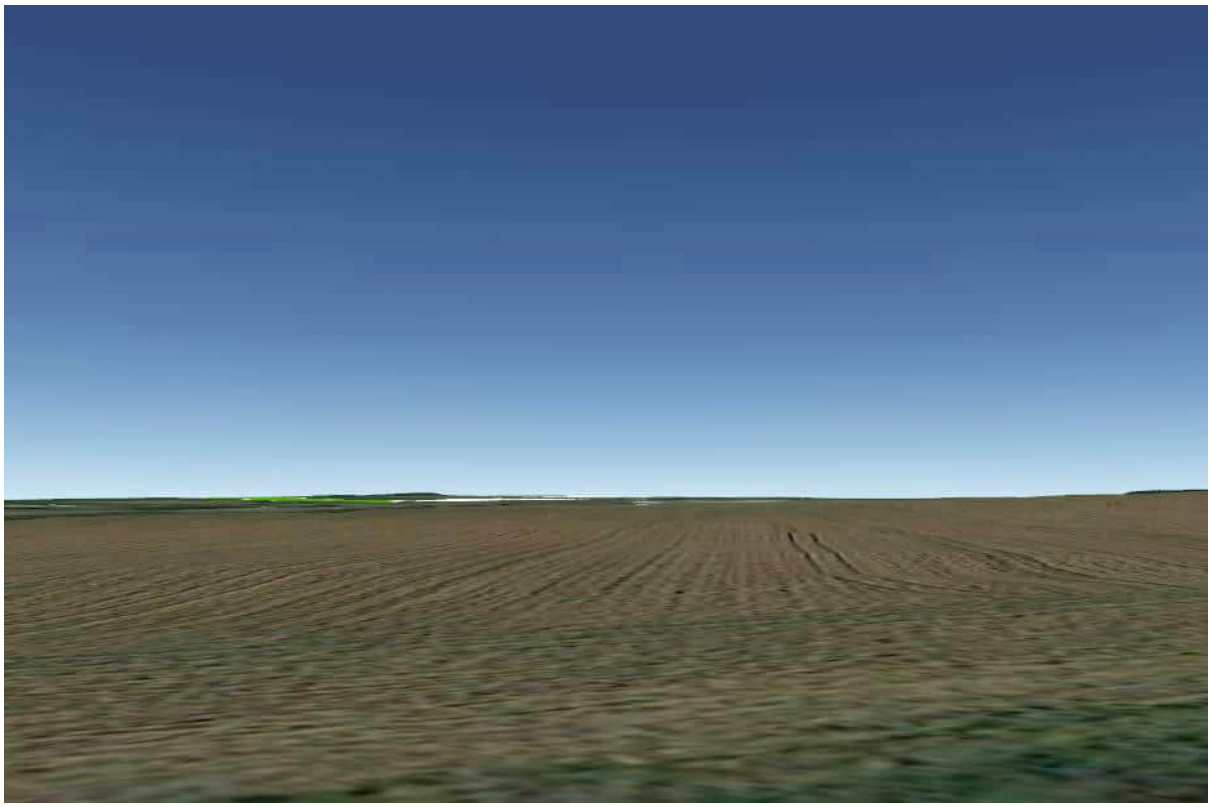
Receptor 70 (Group A Receptor 70)



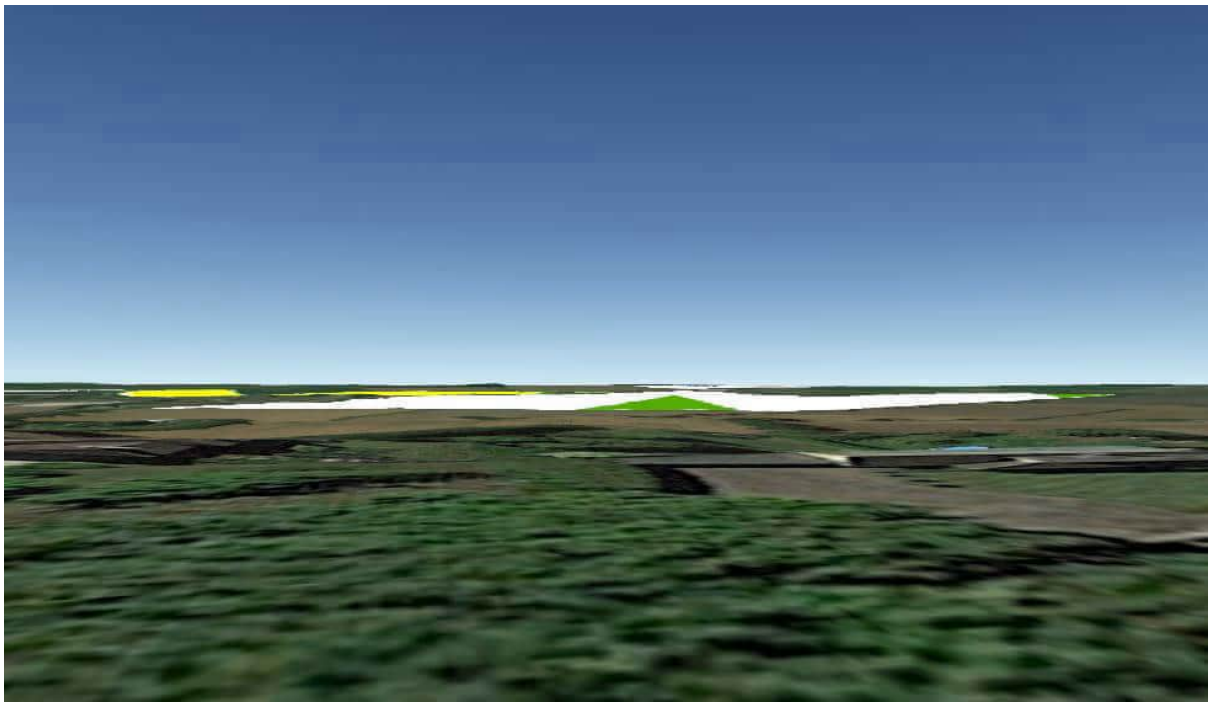
Receptor 71 (Group A Receptor 71)



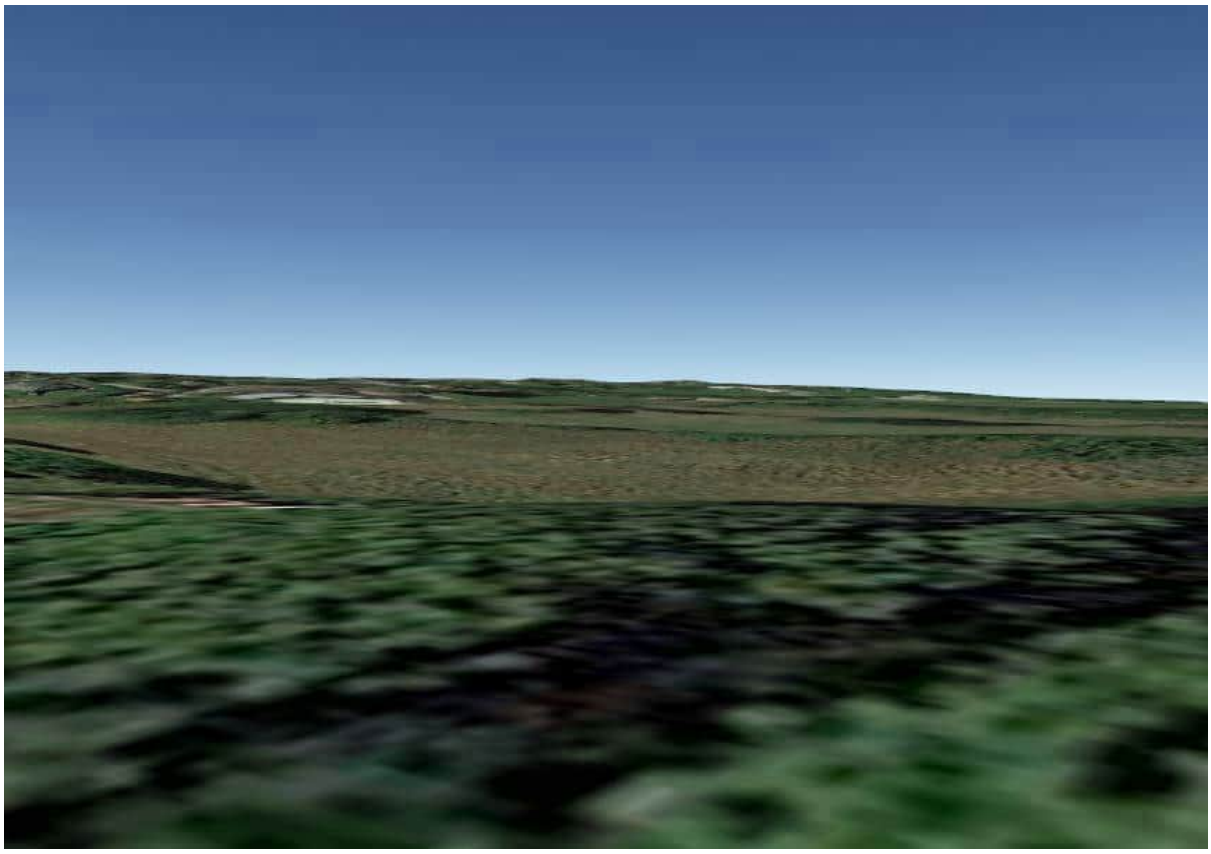
Receptor 72 (Group A Receptor 72)



Receptor 73 (Group A Receptor 73)

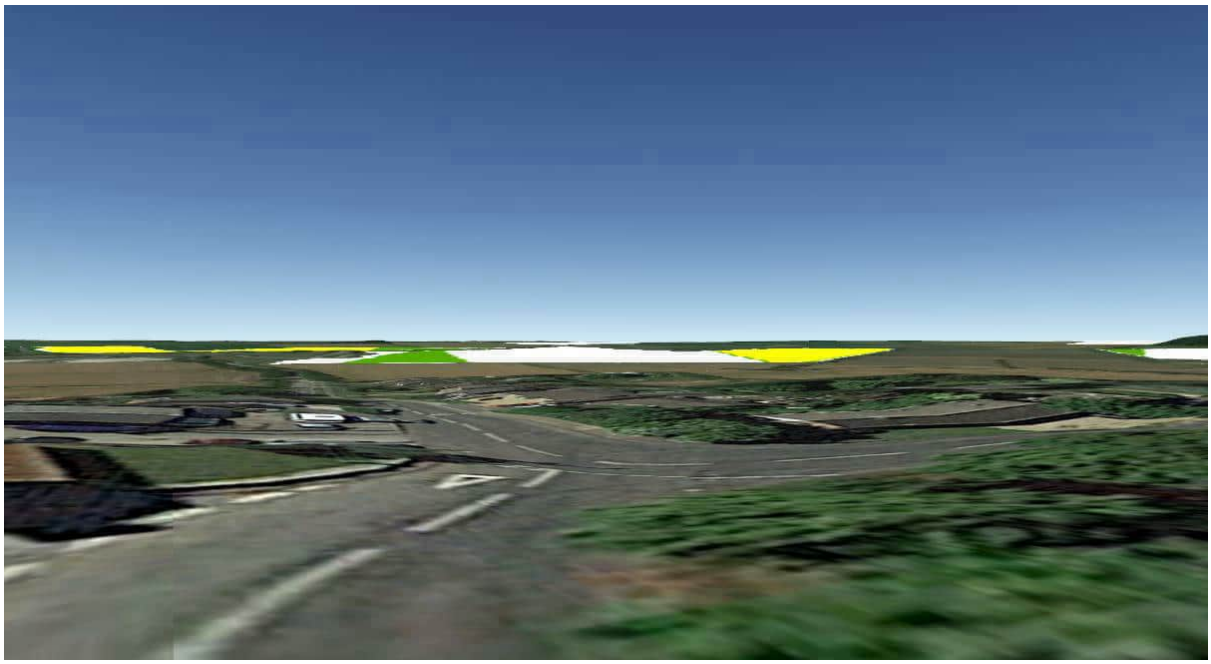


Receptor 74 (Group A Receptor 74)



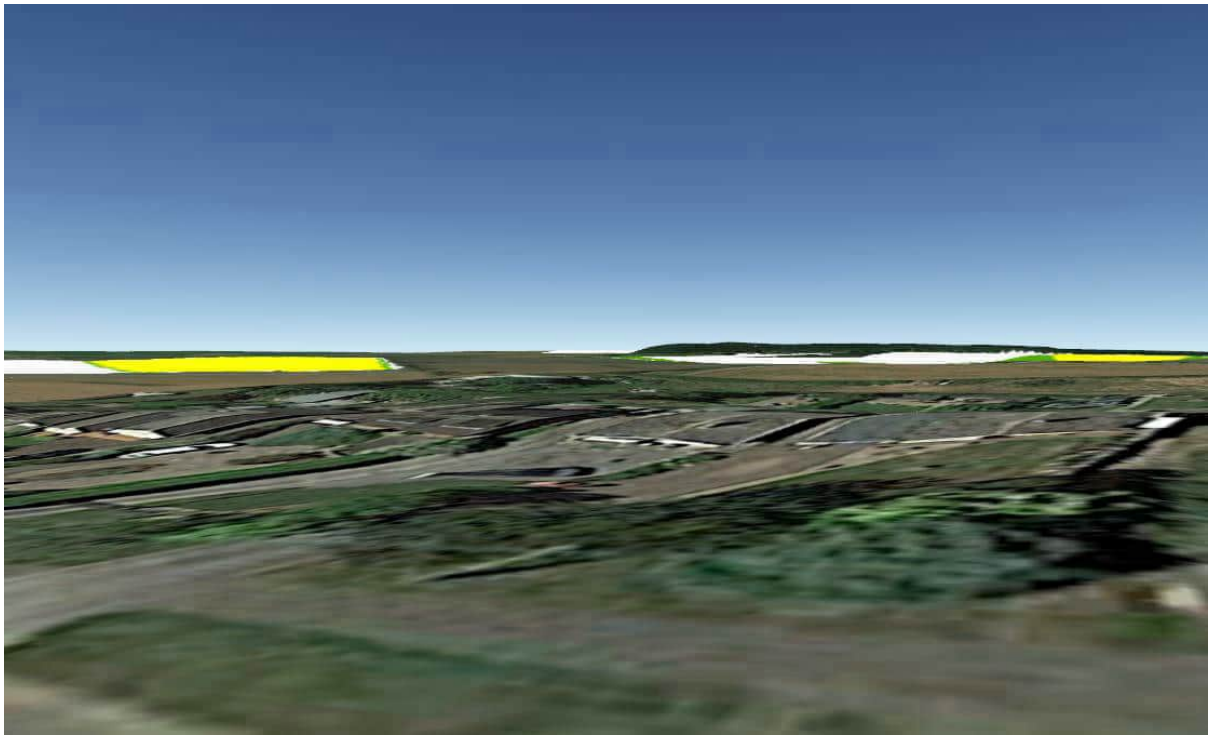
Receptor 75 (Group A Receptor 75)

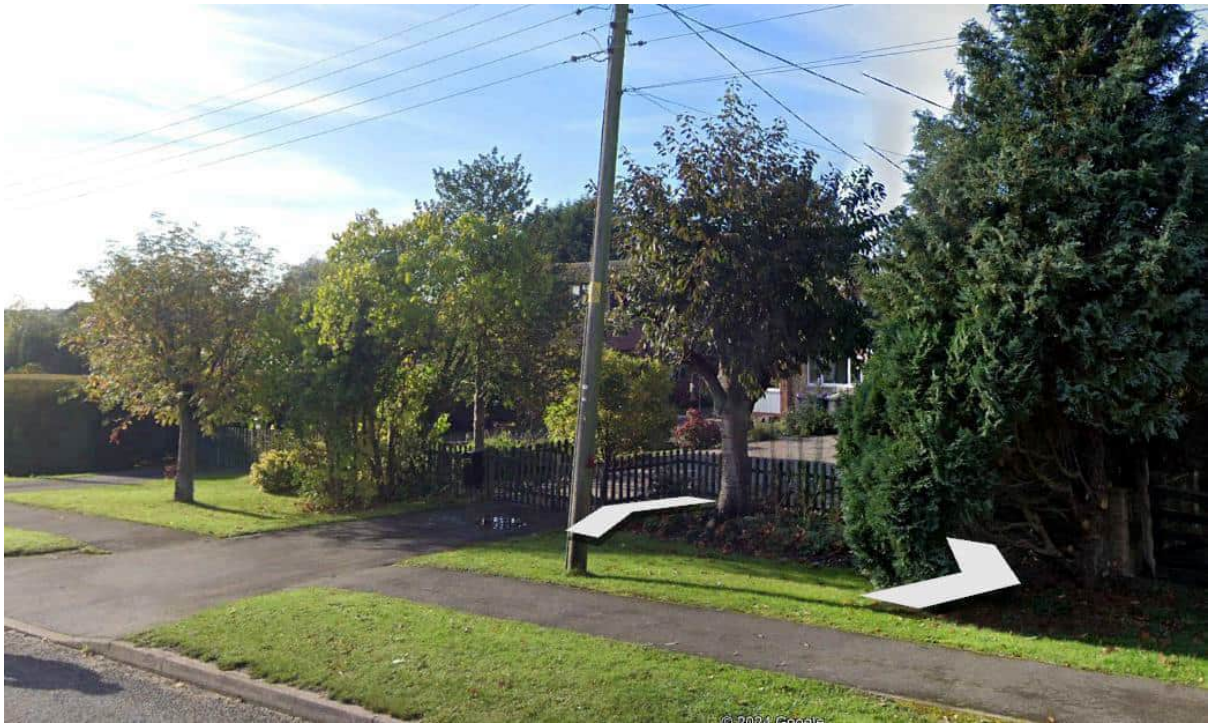
Receptor 76 (Group A Receptor 76)



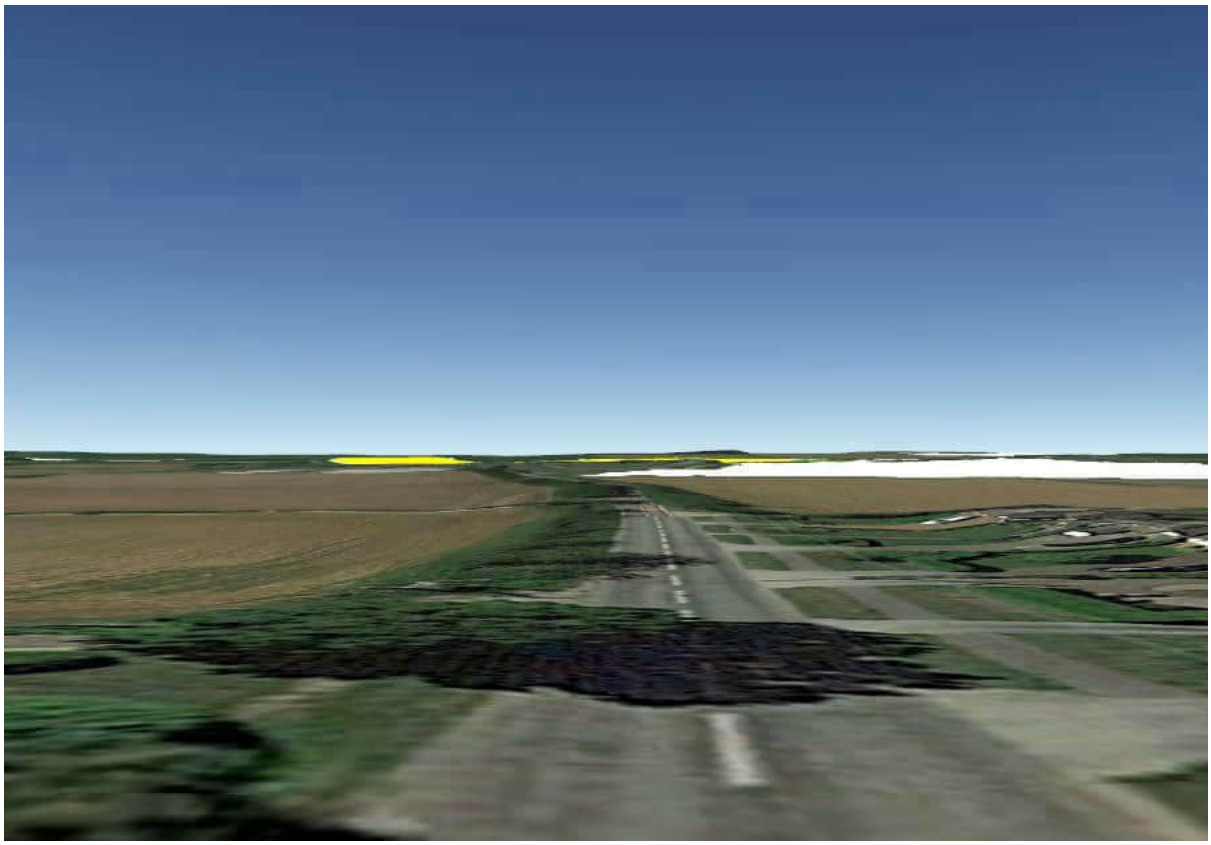
Receptor 77 (Group A Receptor 77)

Looking West



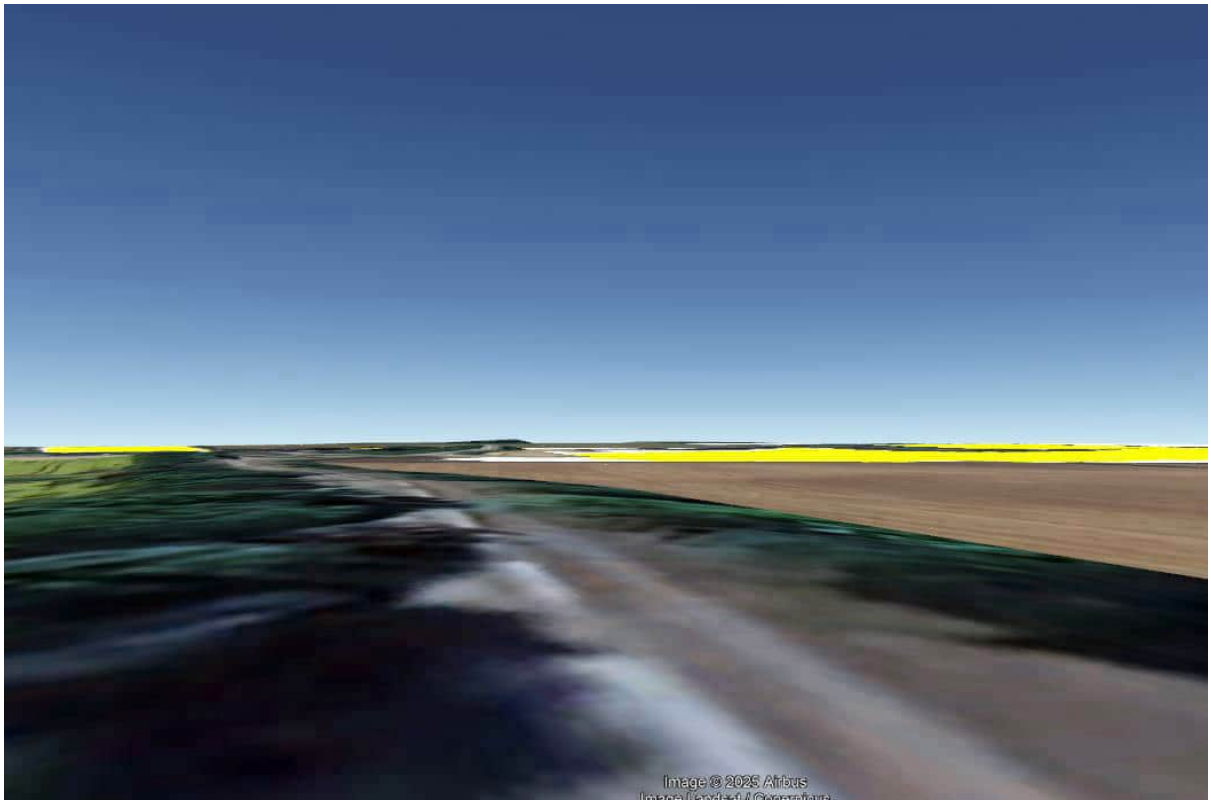


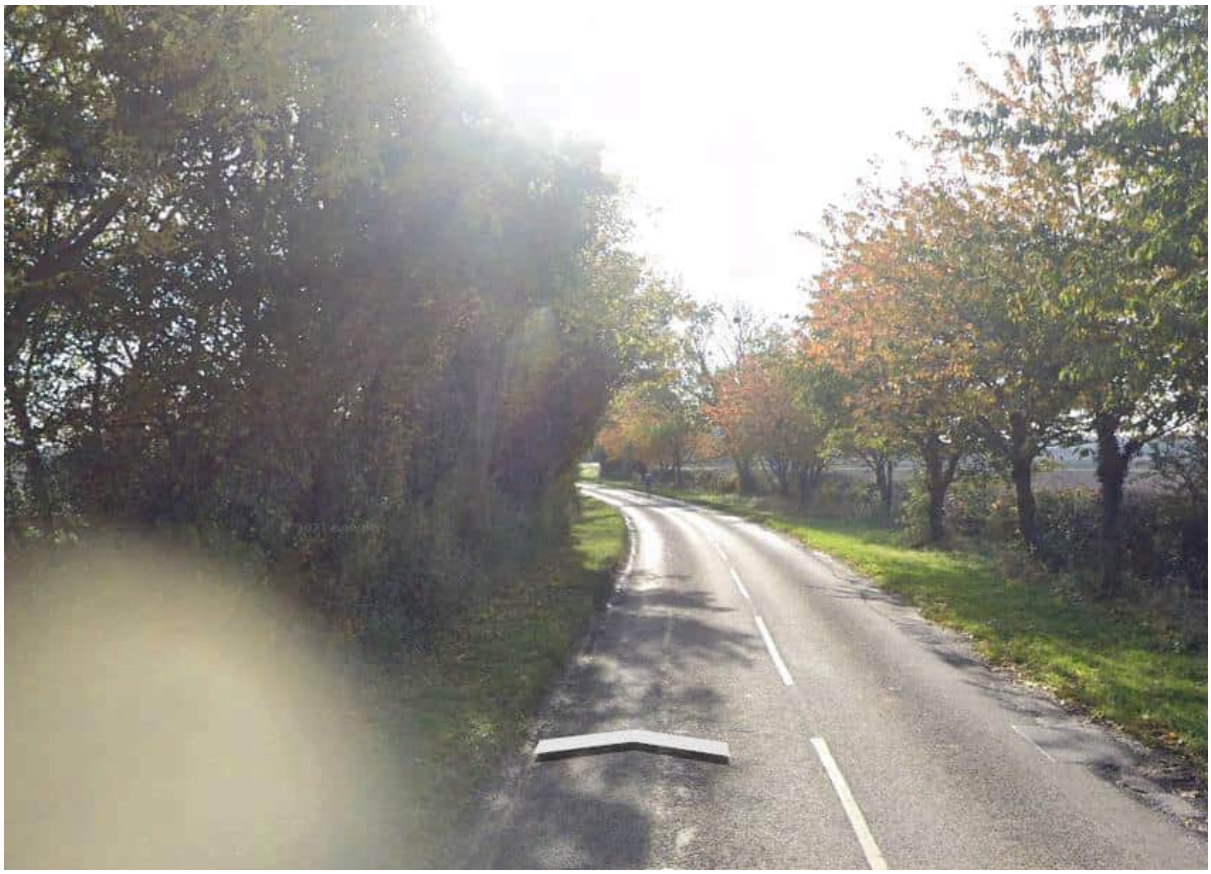
Looking South



Receptor 78 (Group A Receptor 78)

Looking South

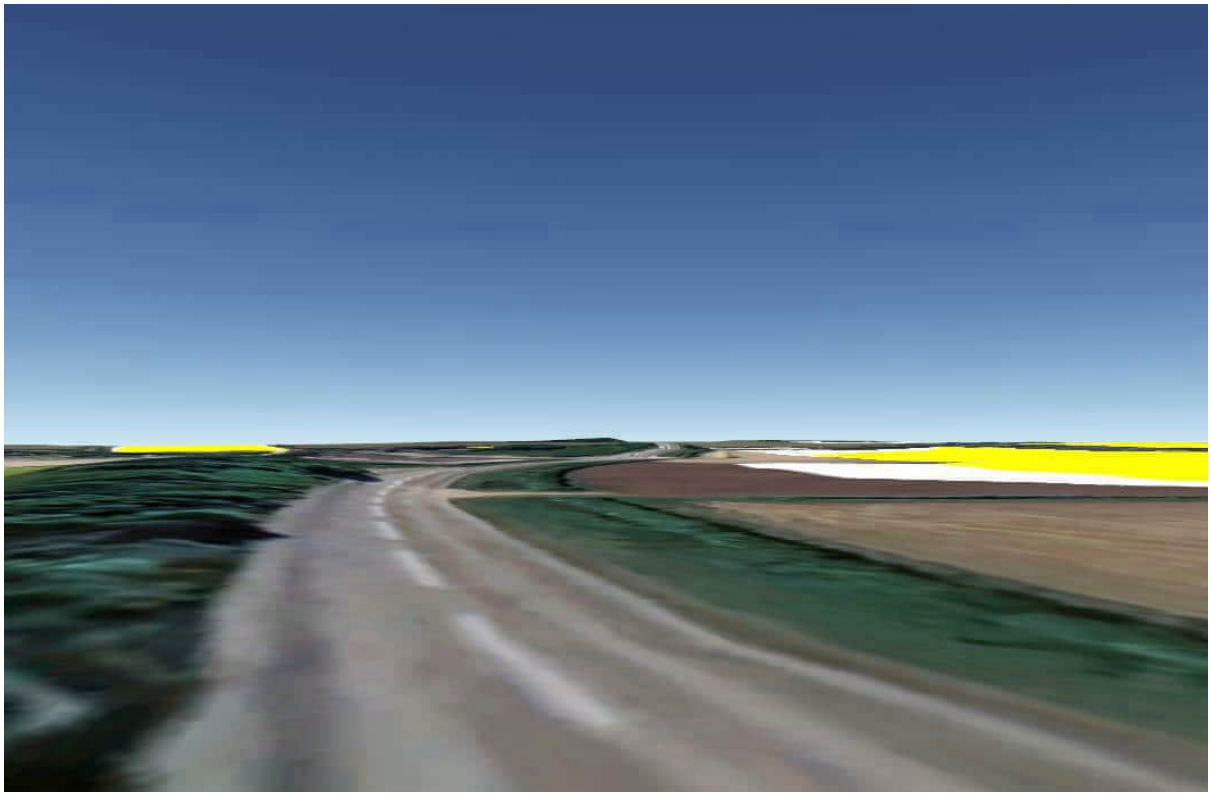




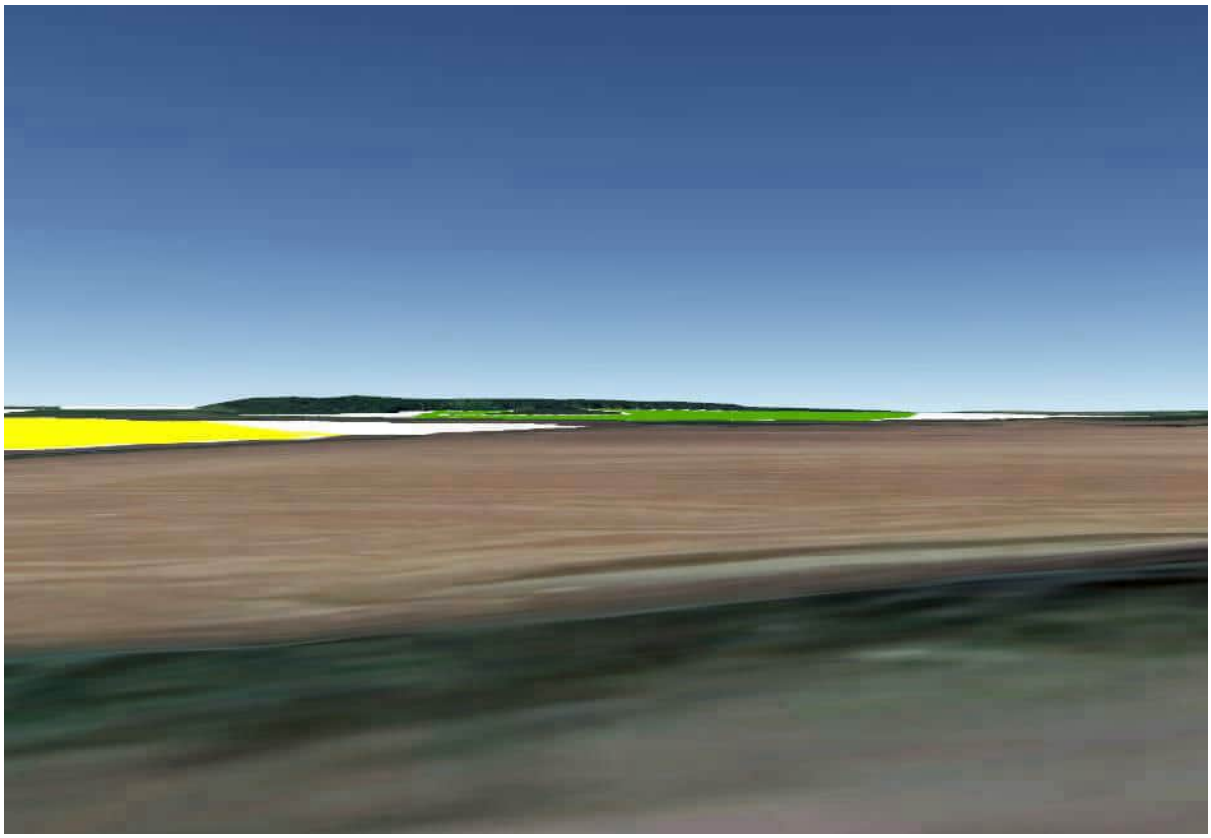
Looking West

Receptor 79 (Group A Receptor 79)

Looking South

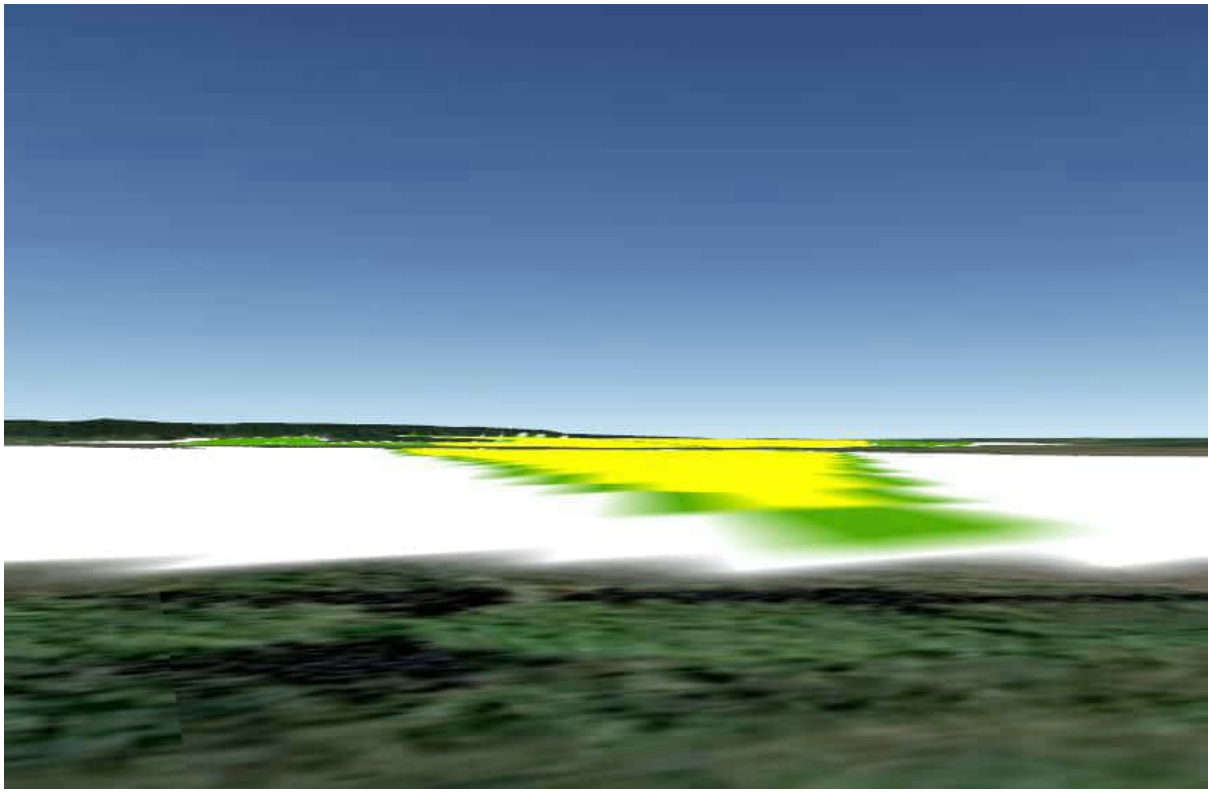


Looking West



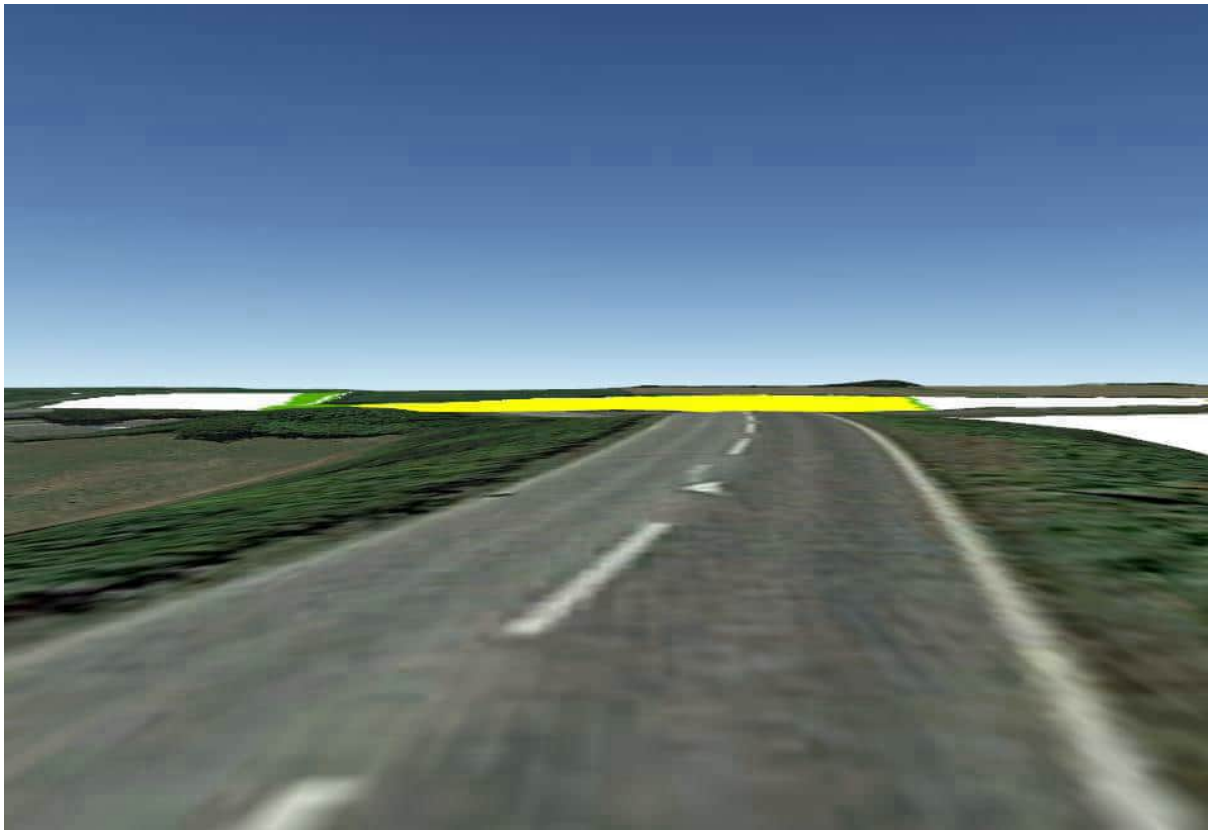
Receptor 80 (Group A Receptor 80)

Looking West

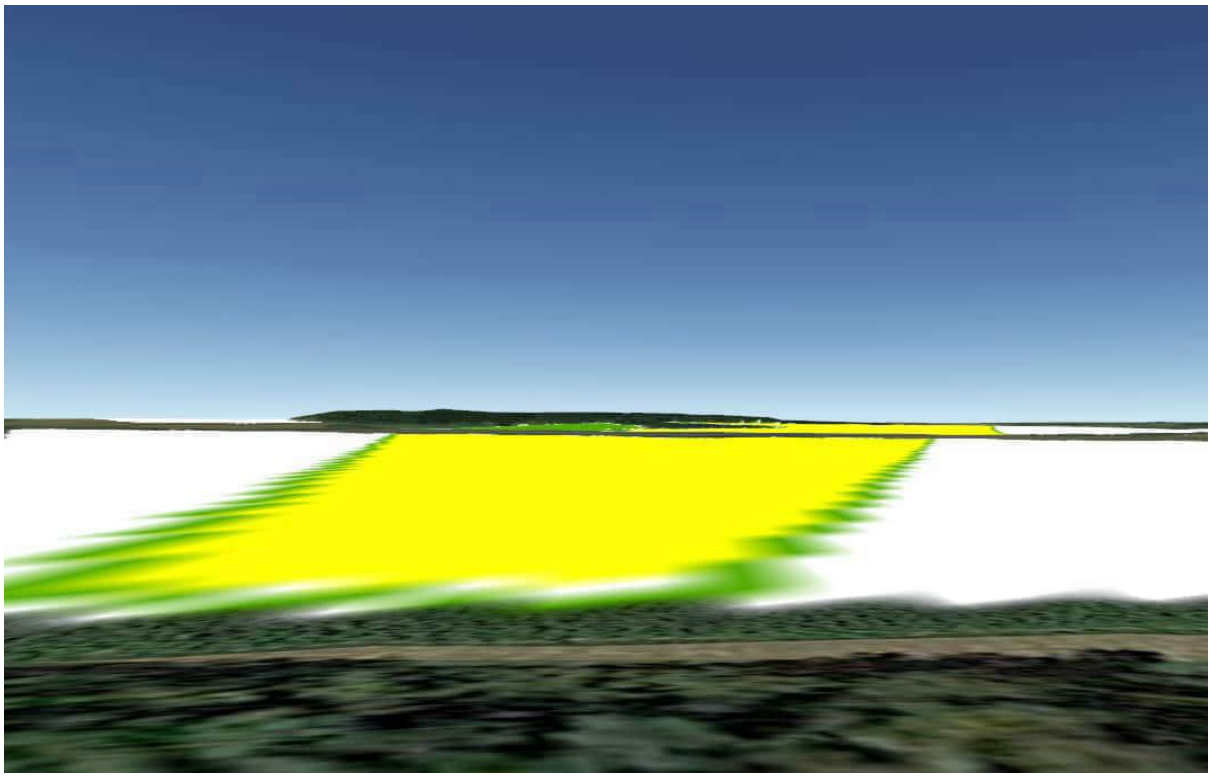


Receptor 81 (Group B Receptor 1)

Looking South

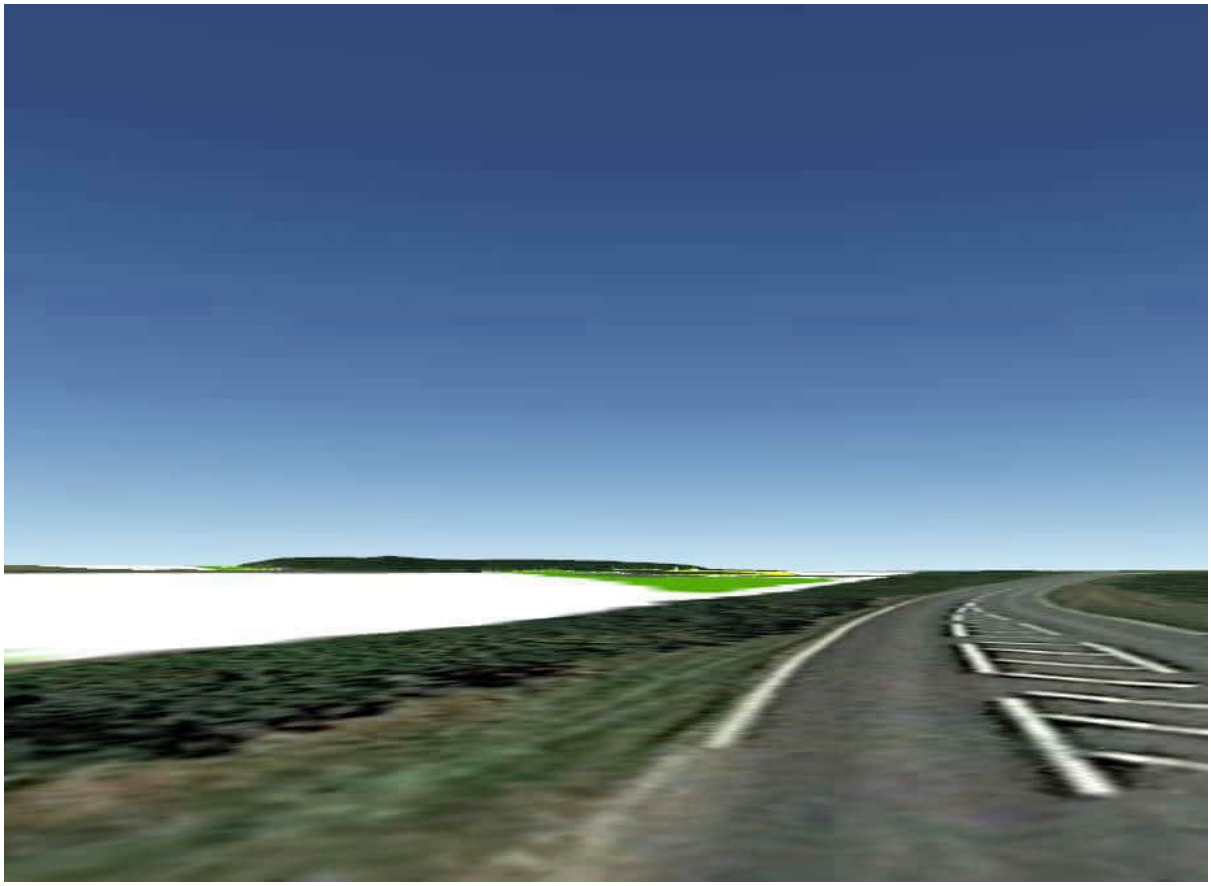


Looking West

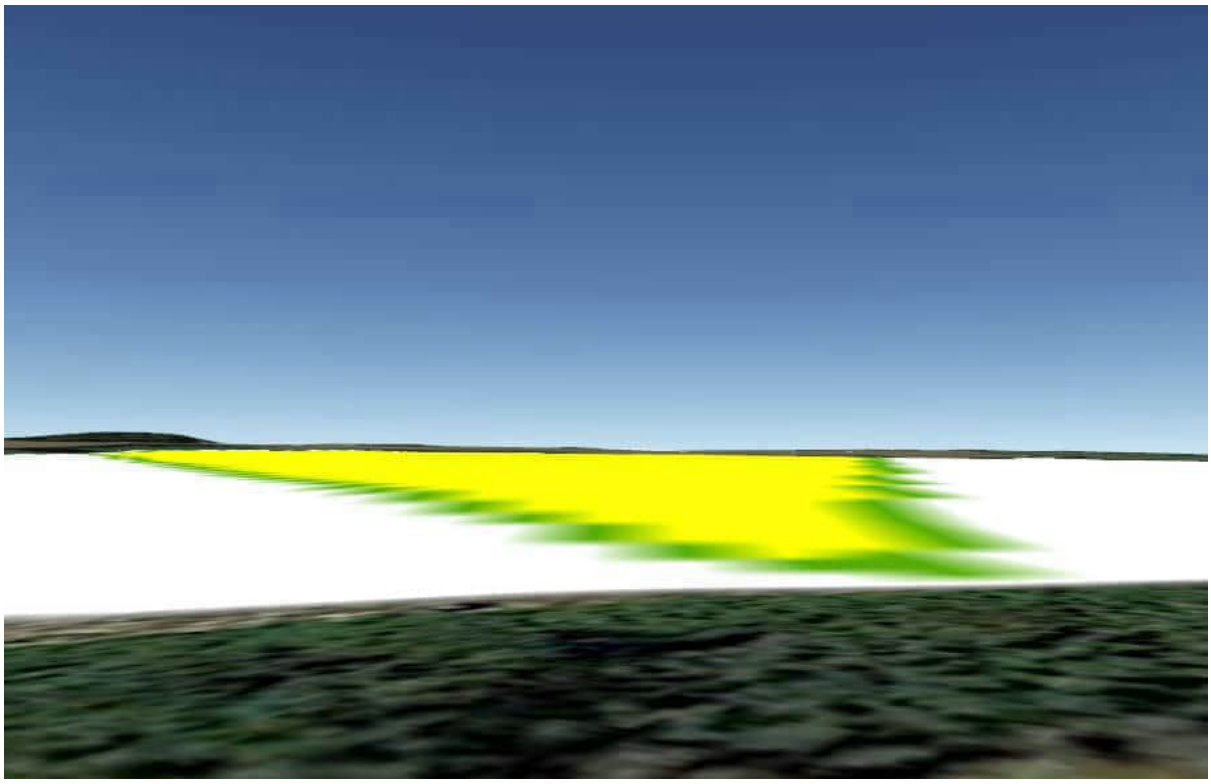


Receptor 82 (Group B Receptor 2)

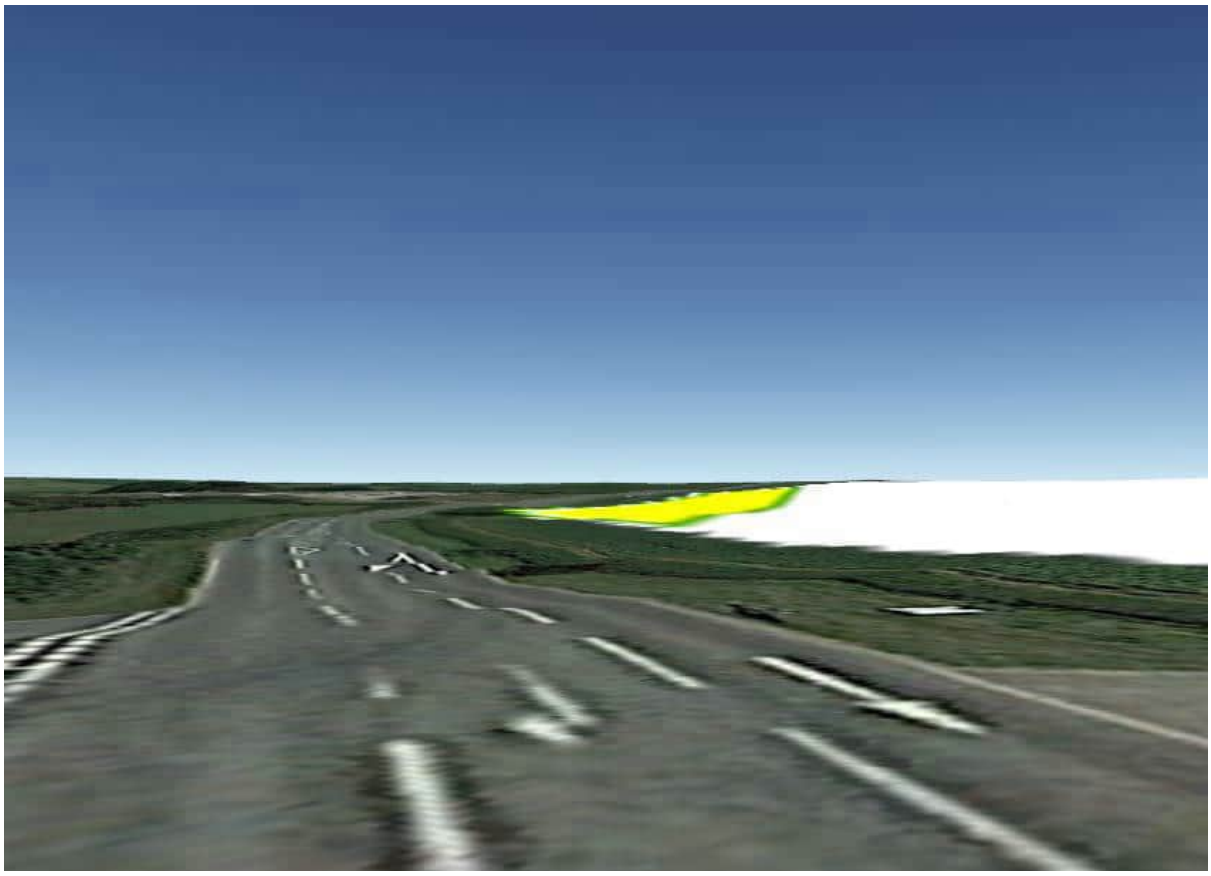
Looking Northwest



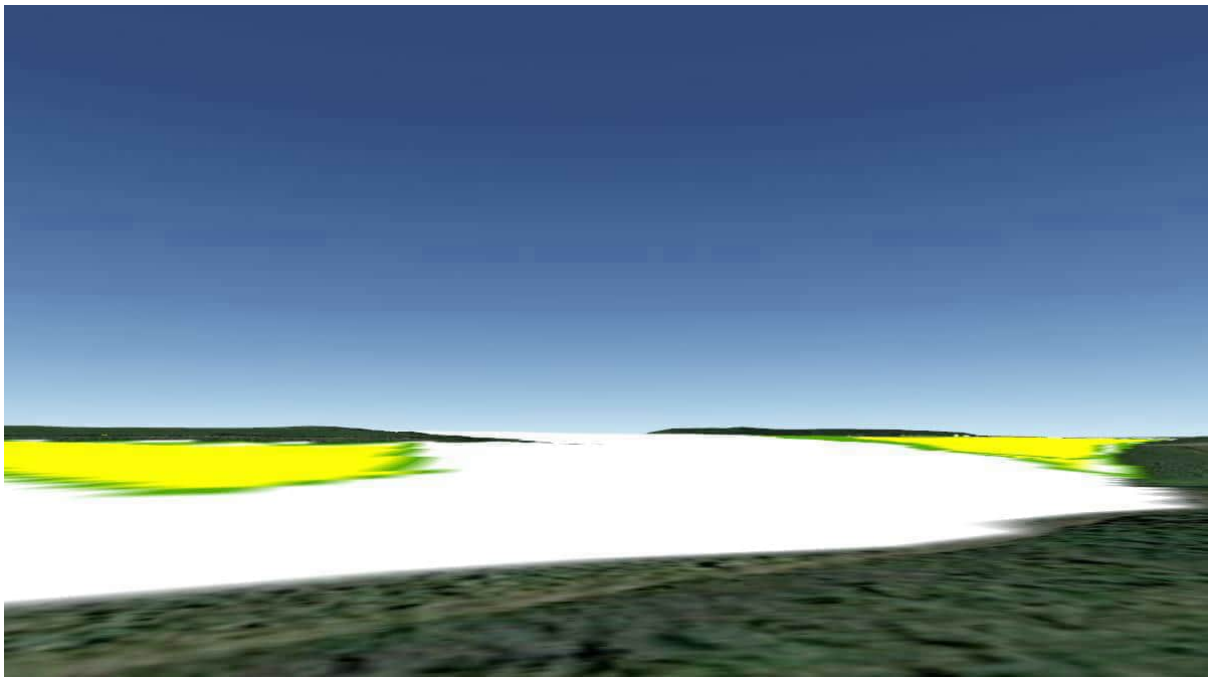
Looking Southwest



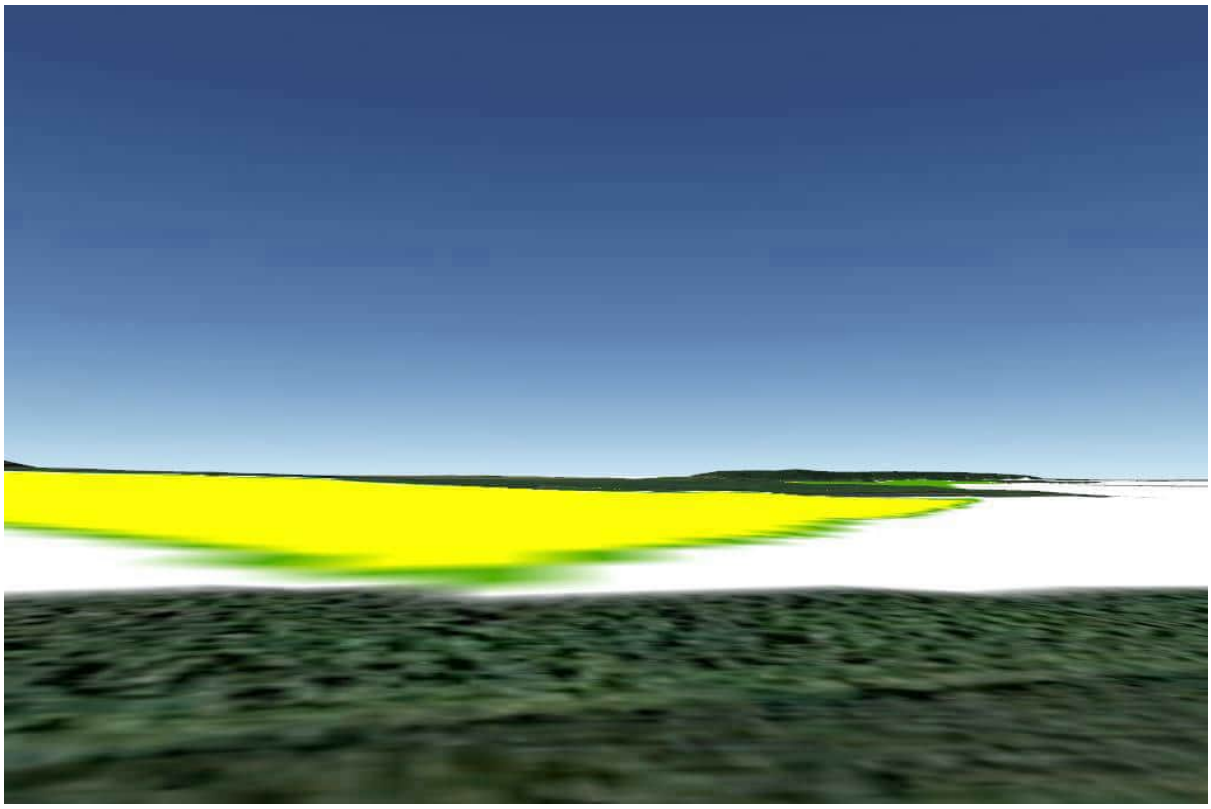
Looking South



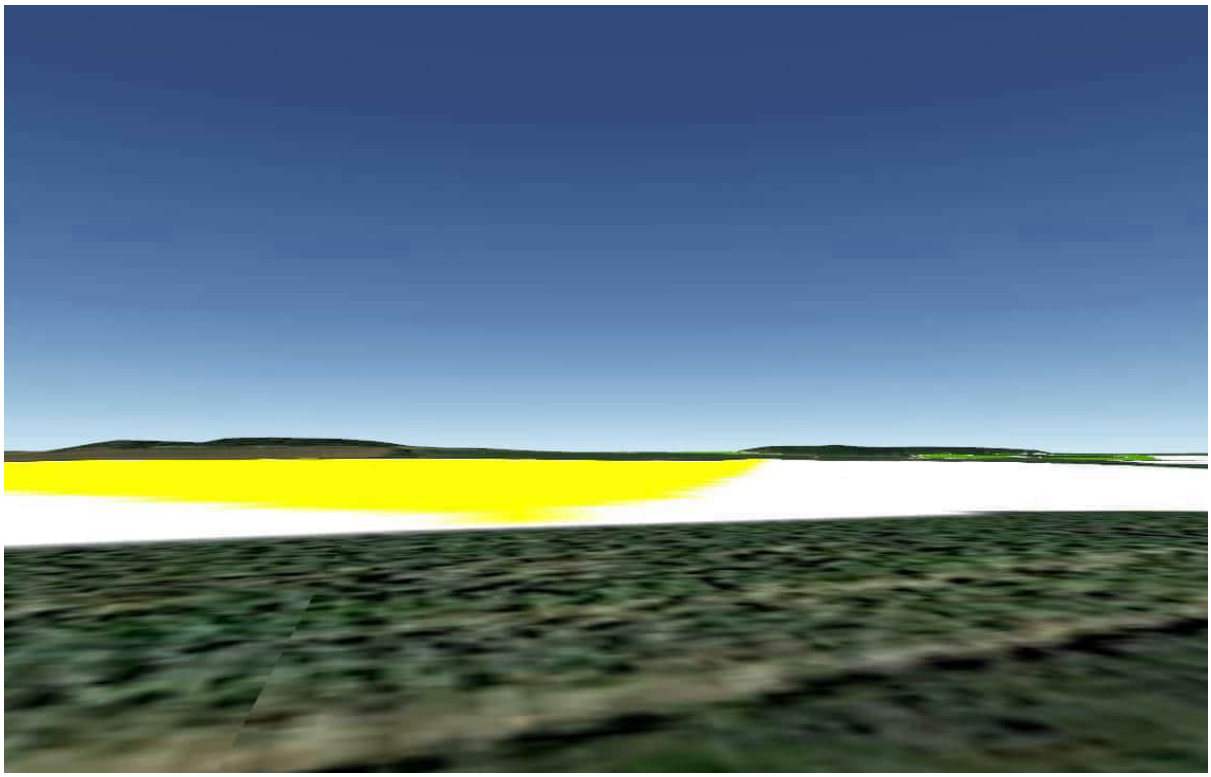
Receptor 83 (Group B Receptor 3)

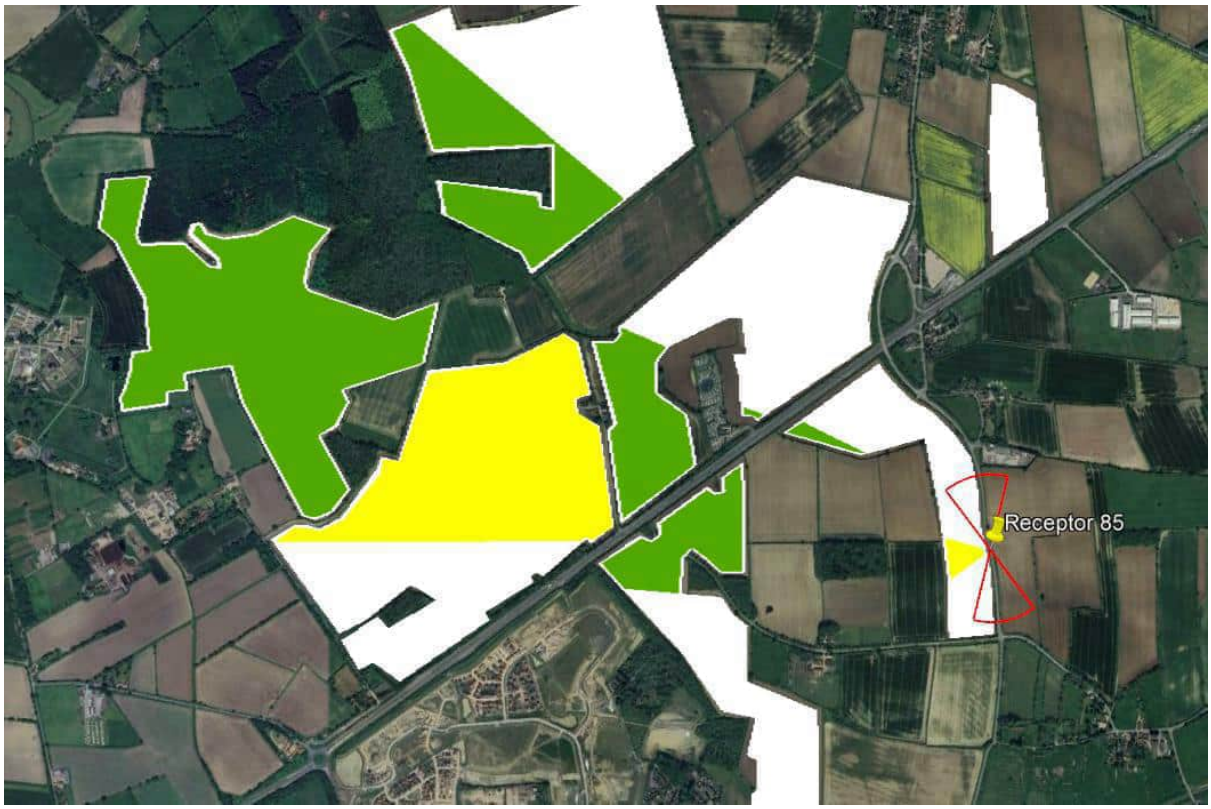


Receptor 84 (Group B Receptor 4)



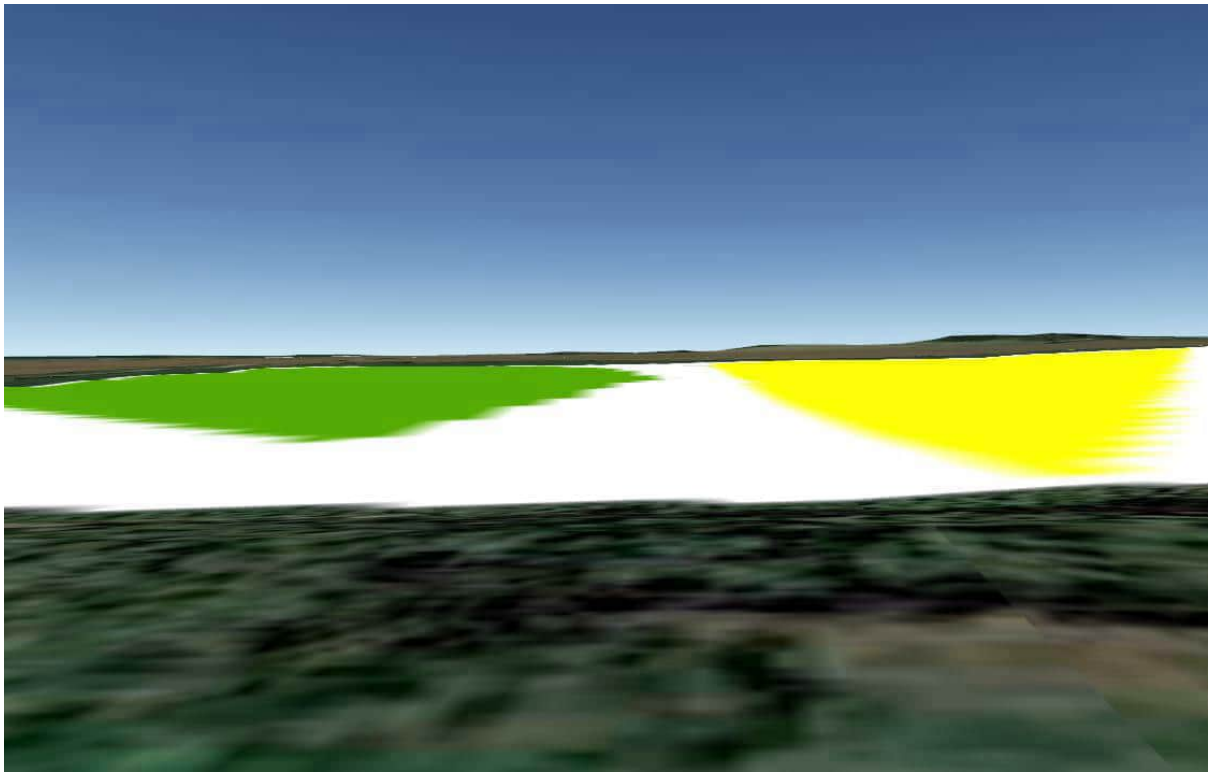
Receptor 85 (Group B Receptor 5)



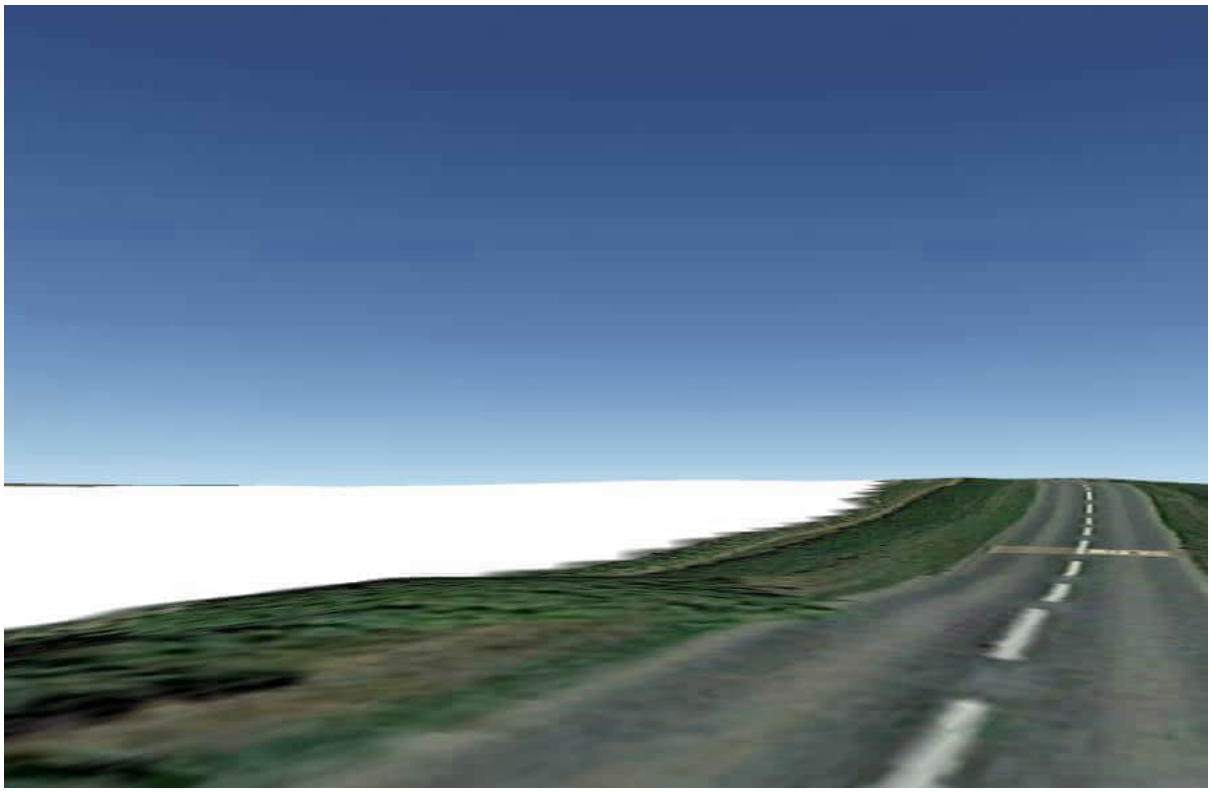


Receptor 86 (Group B Receptor 6)

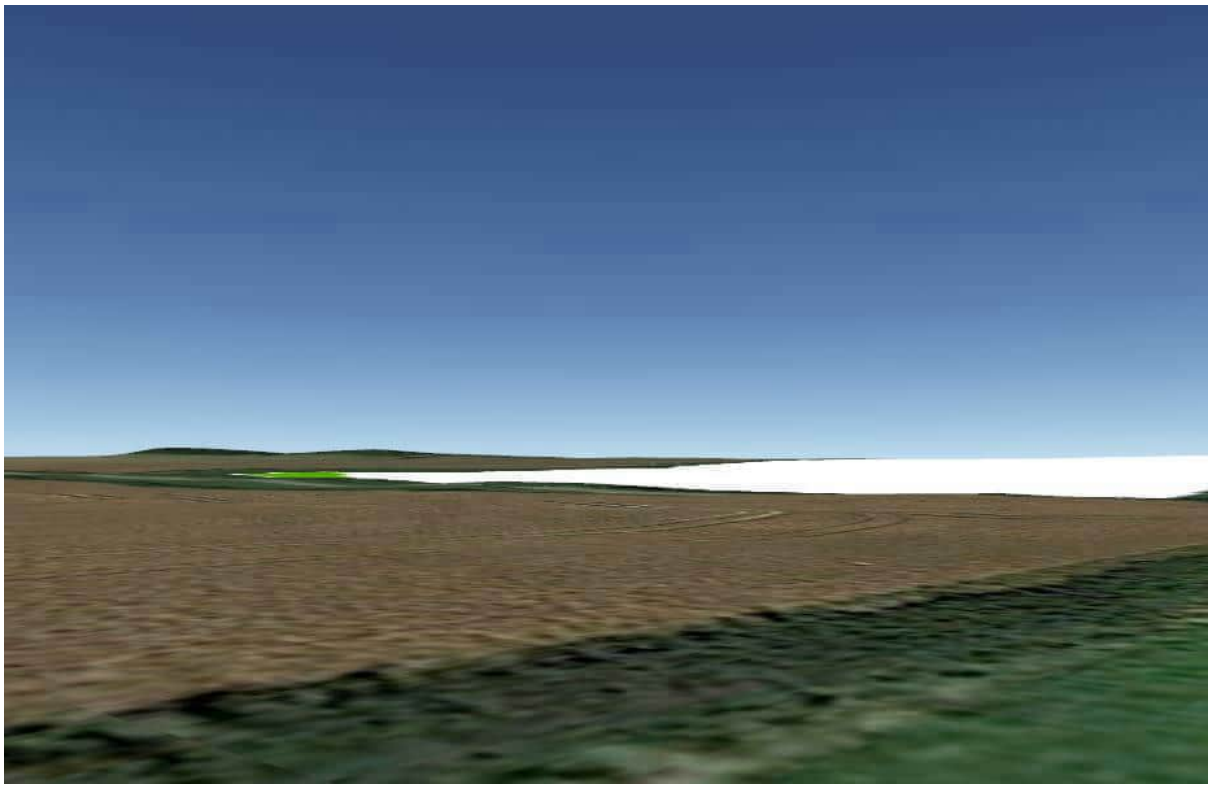
Looking East



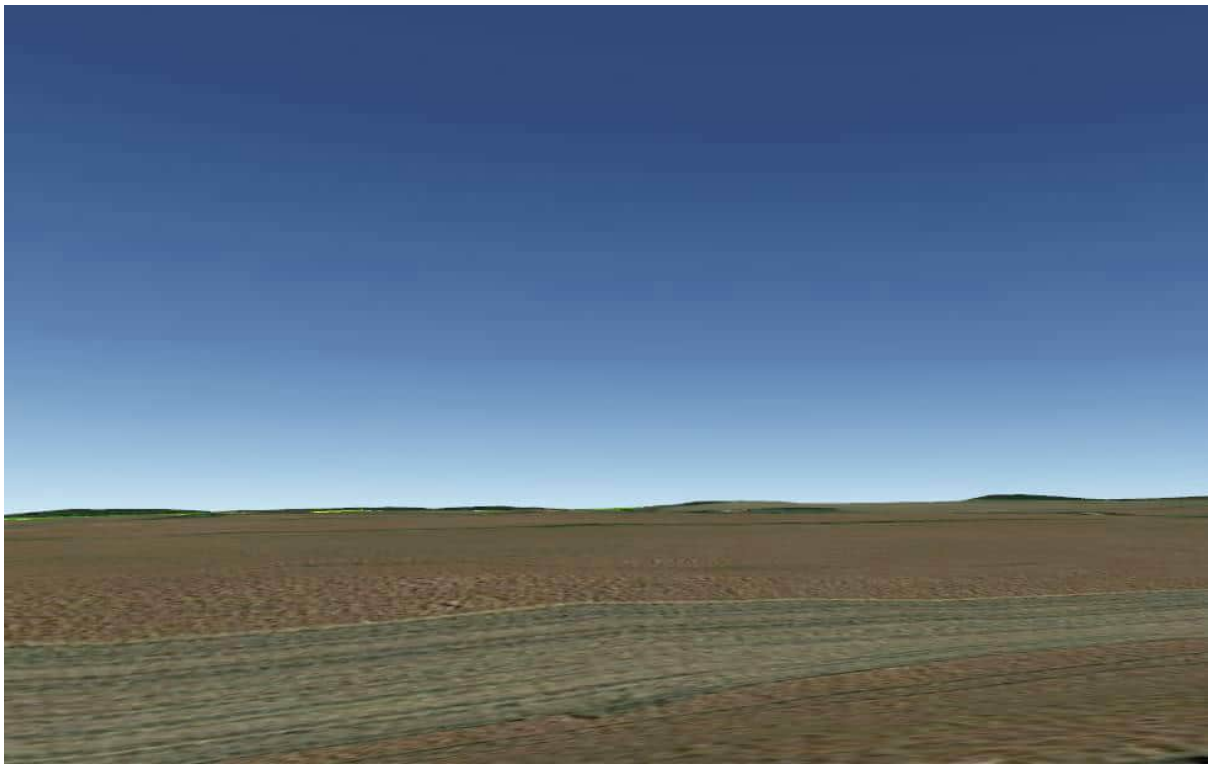
Looking North



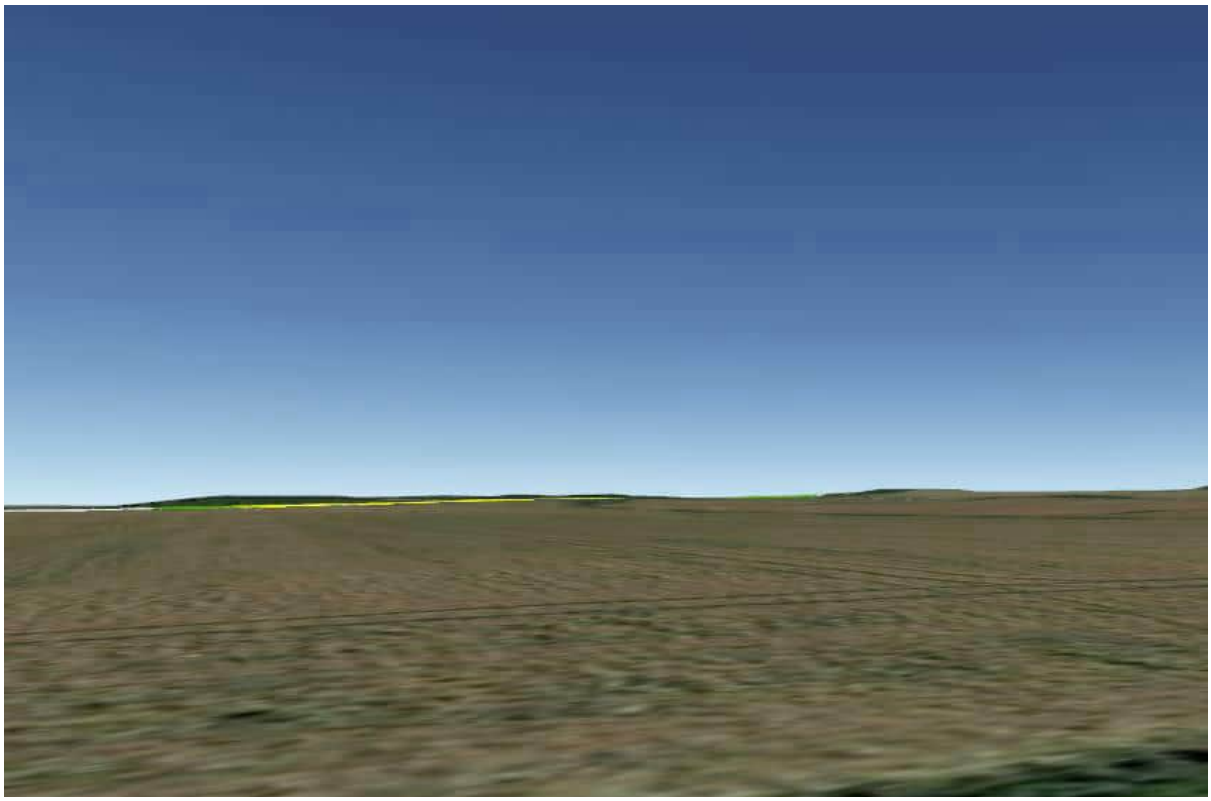
Receptor 87 (Group B Receptor 7)



Receptor 88 (Group B Receptor 8)

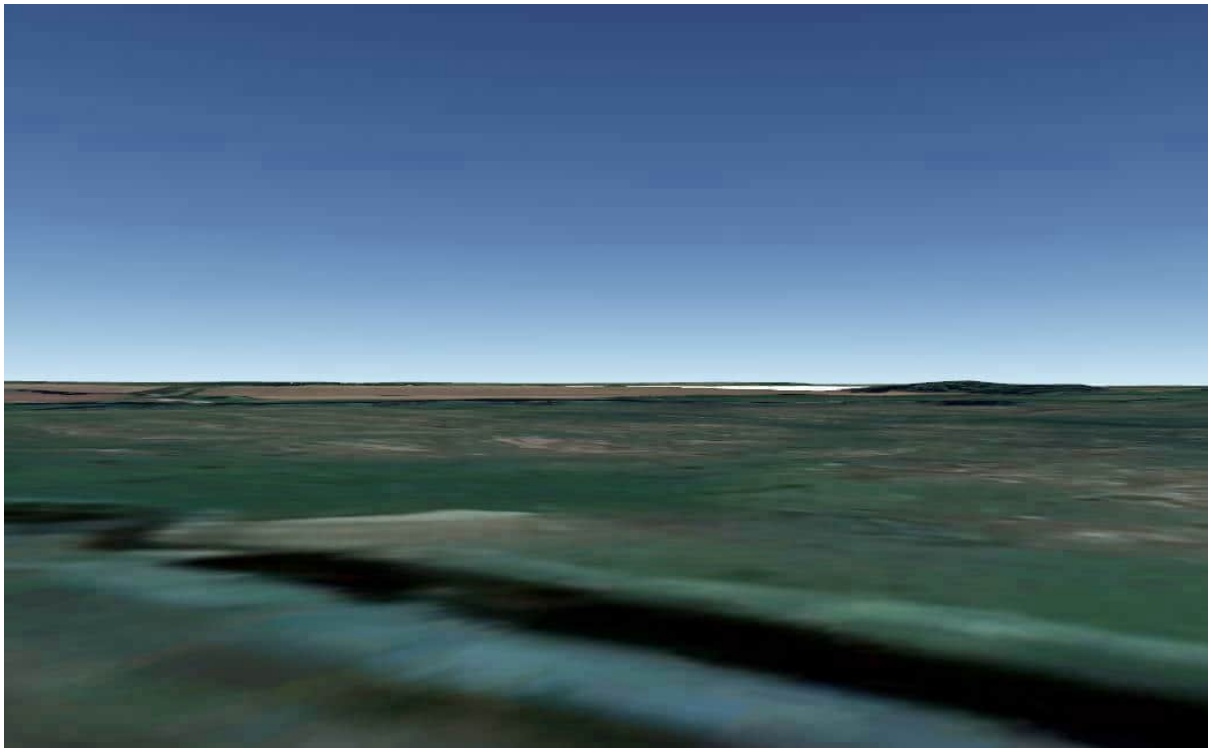


Receptor 89 (Group B Receptor 9)

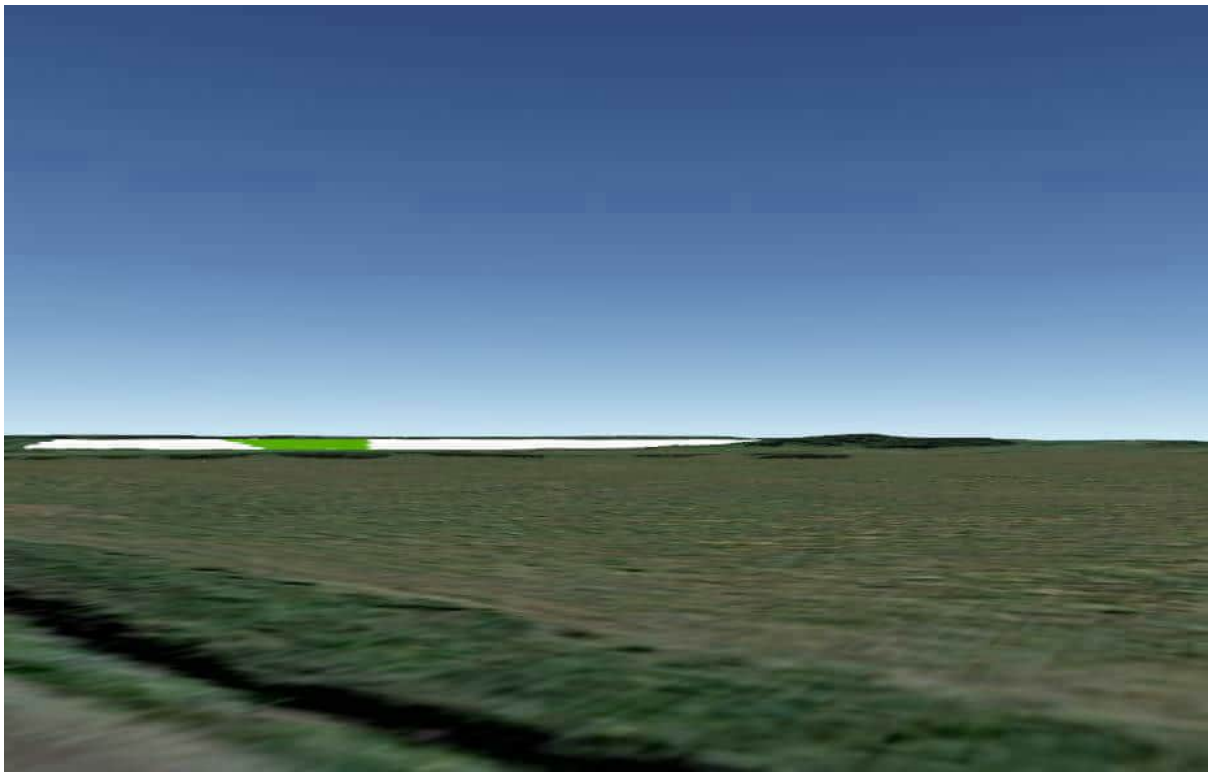


Receptor 90 (Group B Receptor 10)

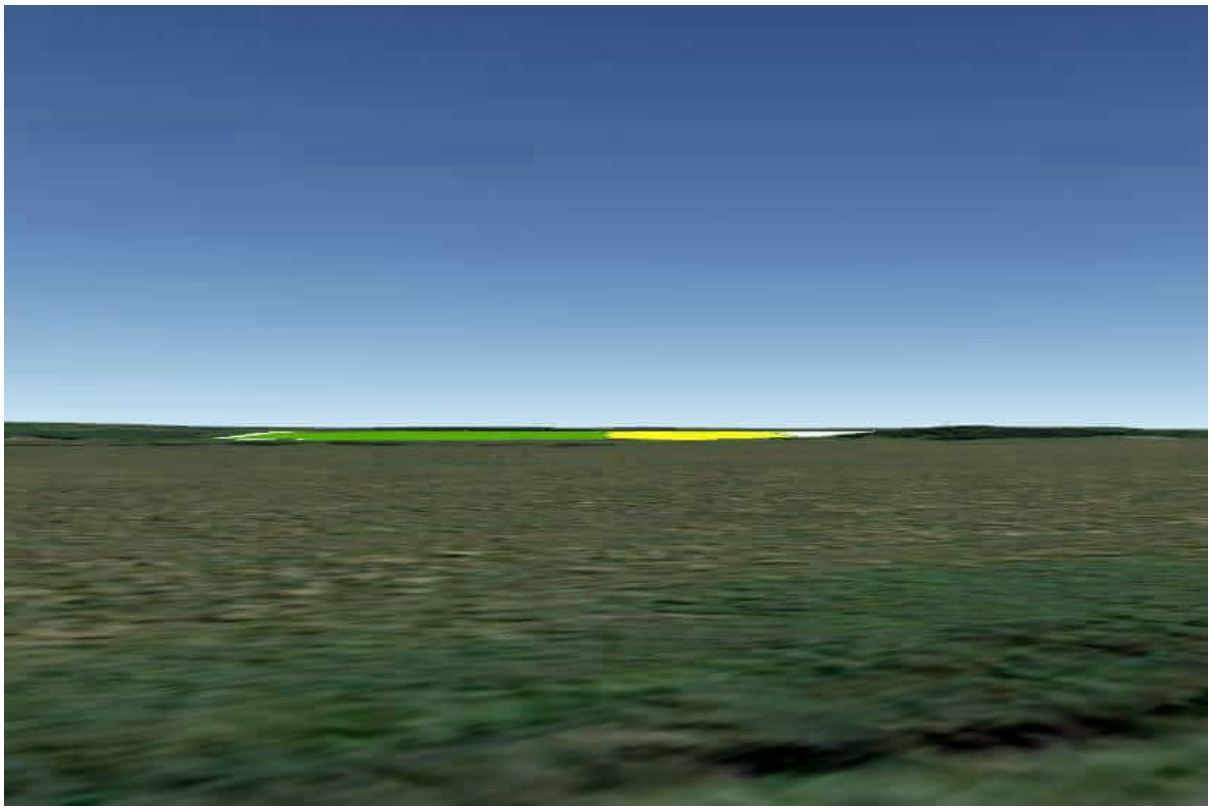
Looking East



Looking West

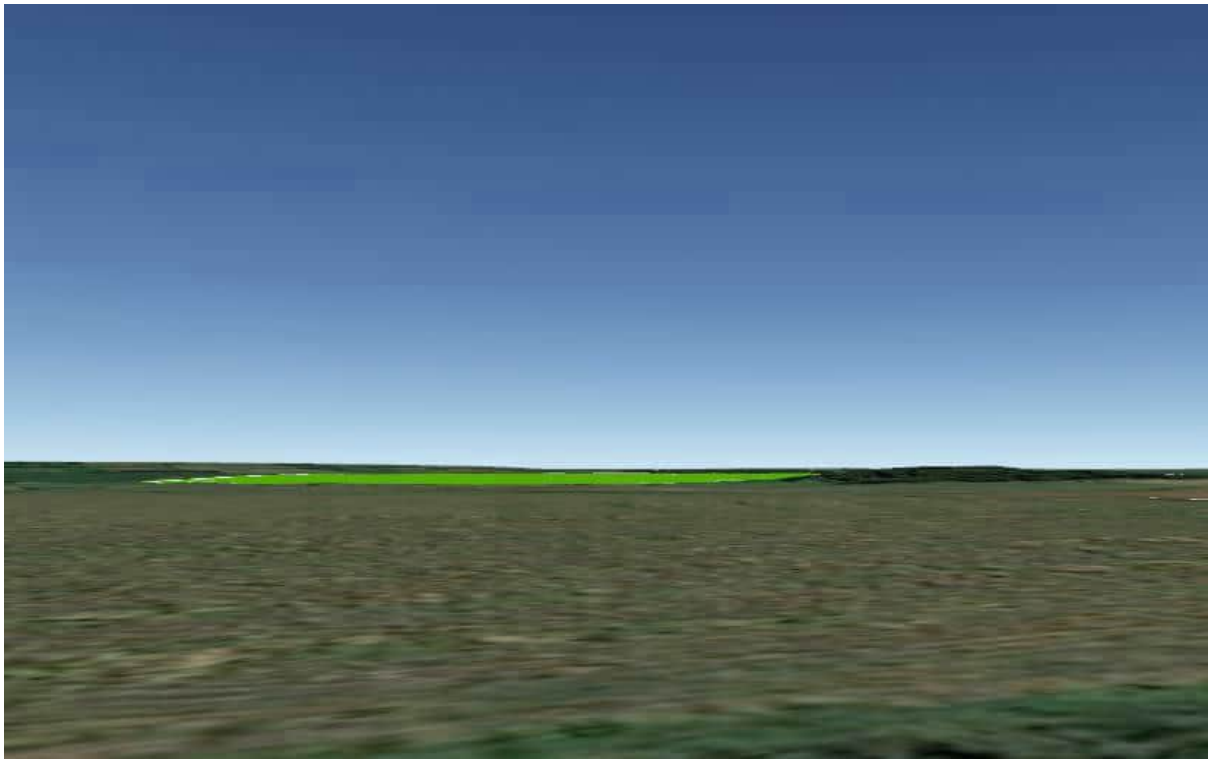


Receptor 91 (Group B Receptor 11)

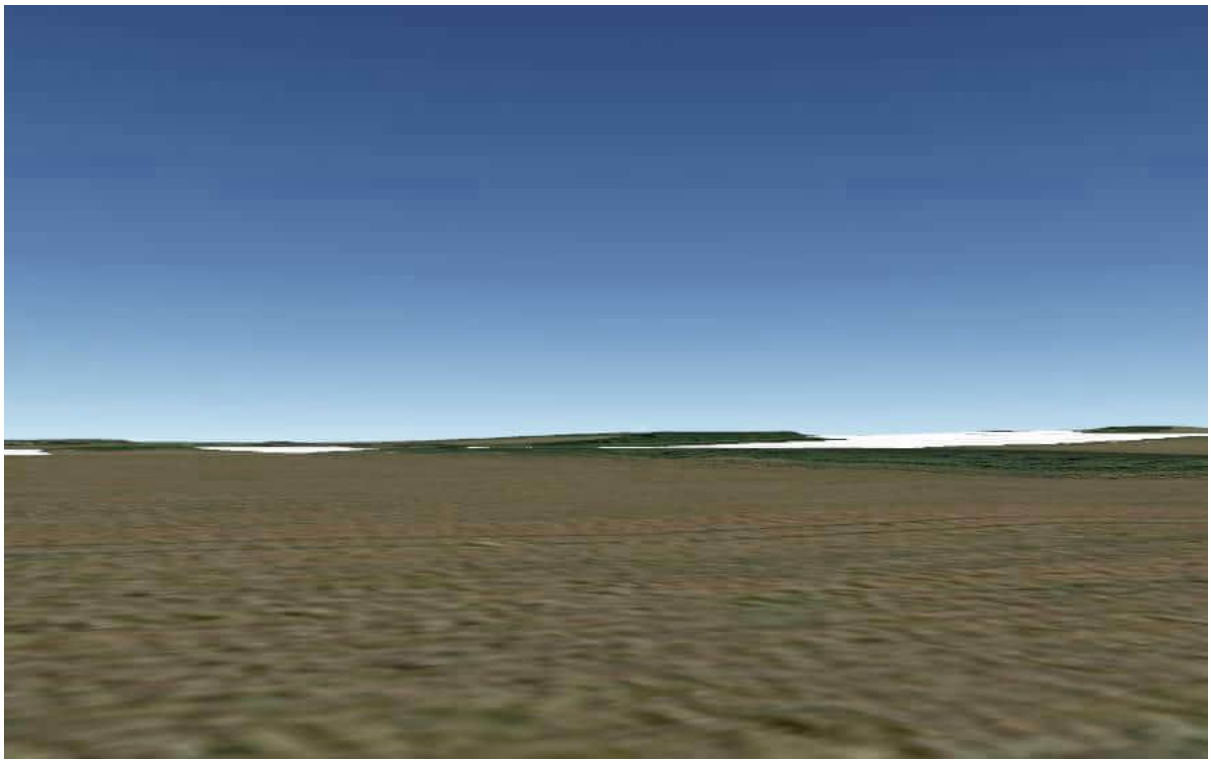


Receptor 92 (Group B Receptor 12)

Looking East

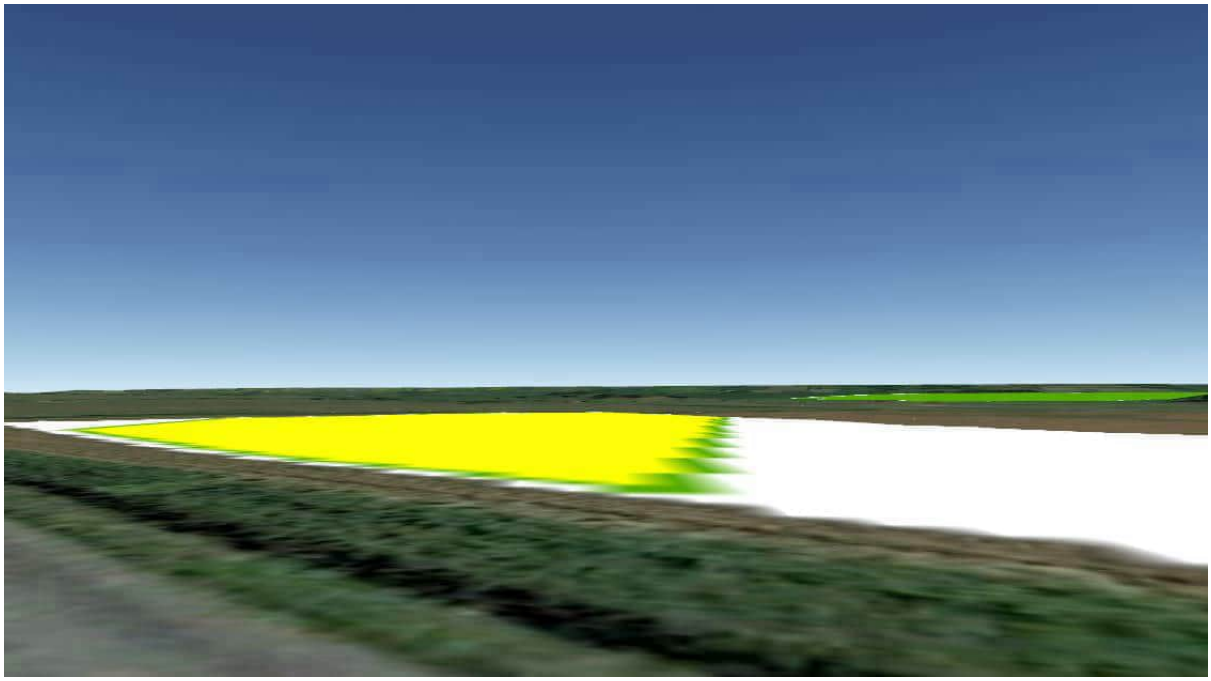


Looking West



Receptor 93 (Group B Receptor 13)

Looking East

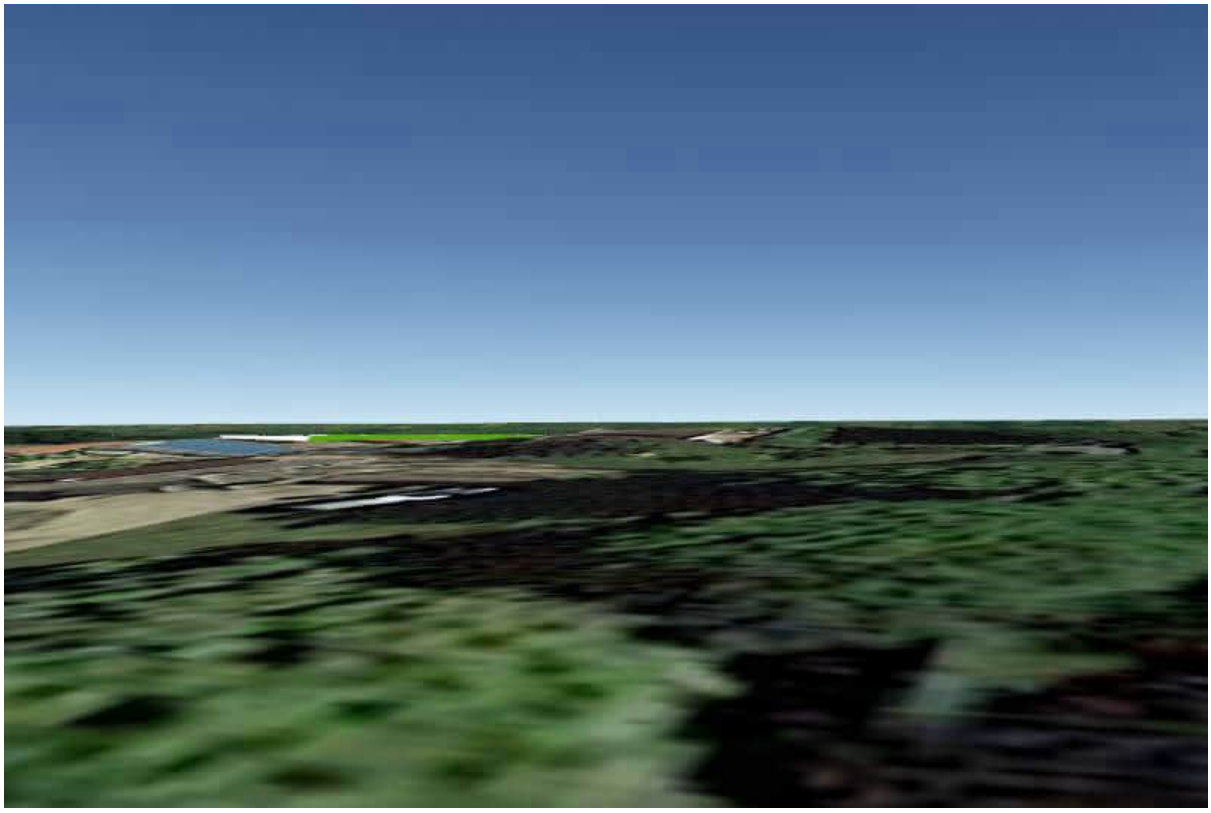


Receptor 94 (Group B Receptor 14)

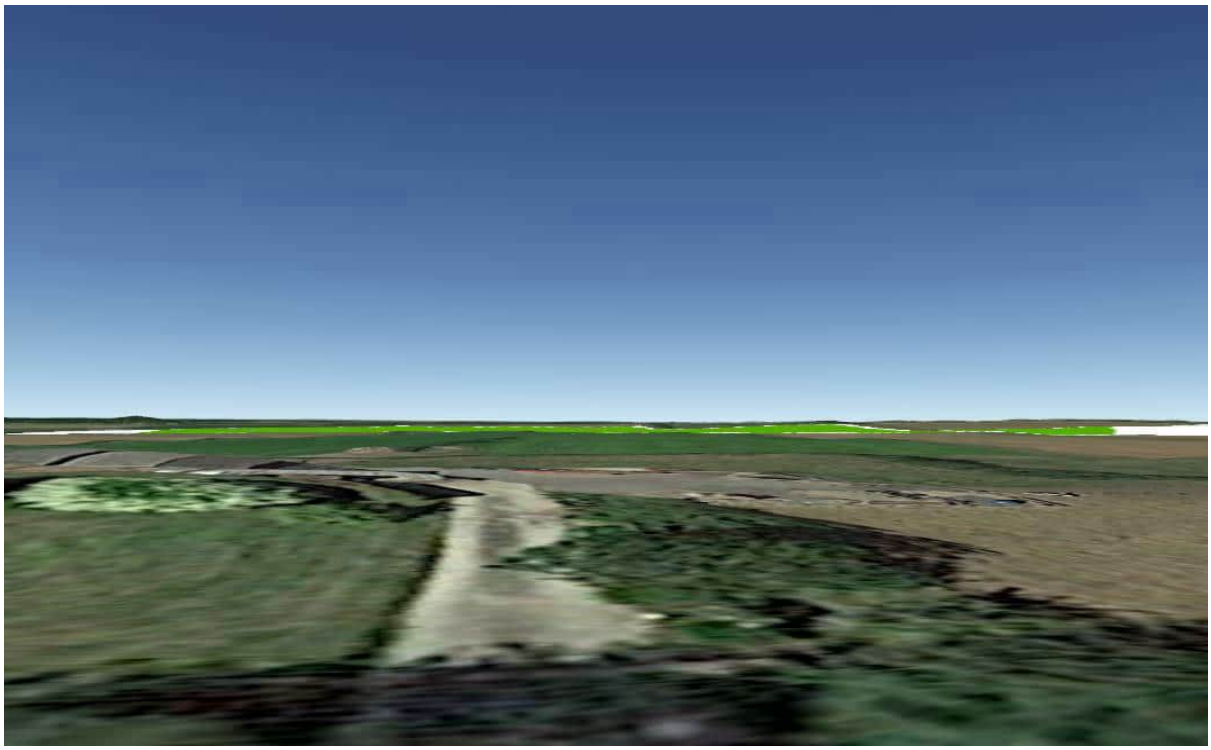
Receptor 95 (Group B Receptor 15)

Receptor 96 (Group B Receptor 16)

Looking East



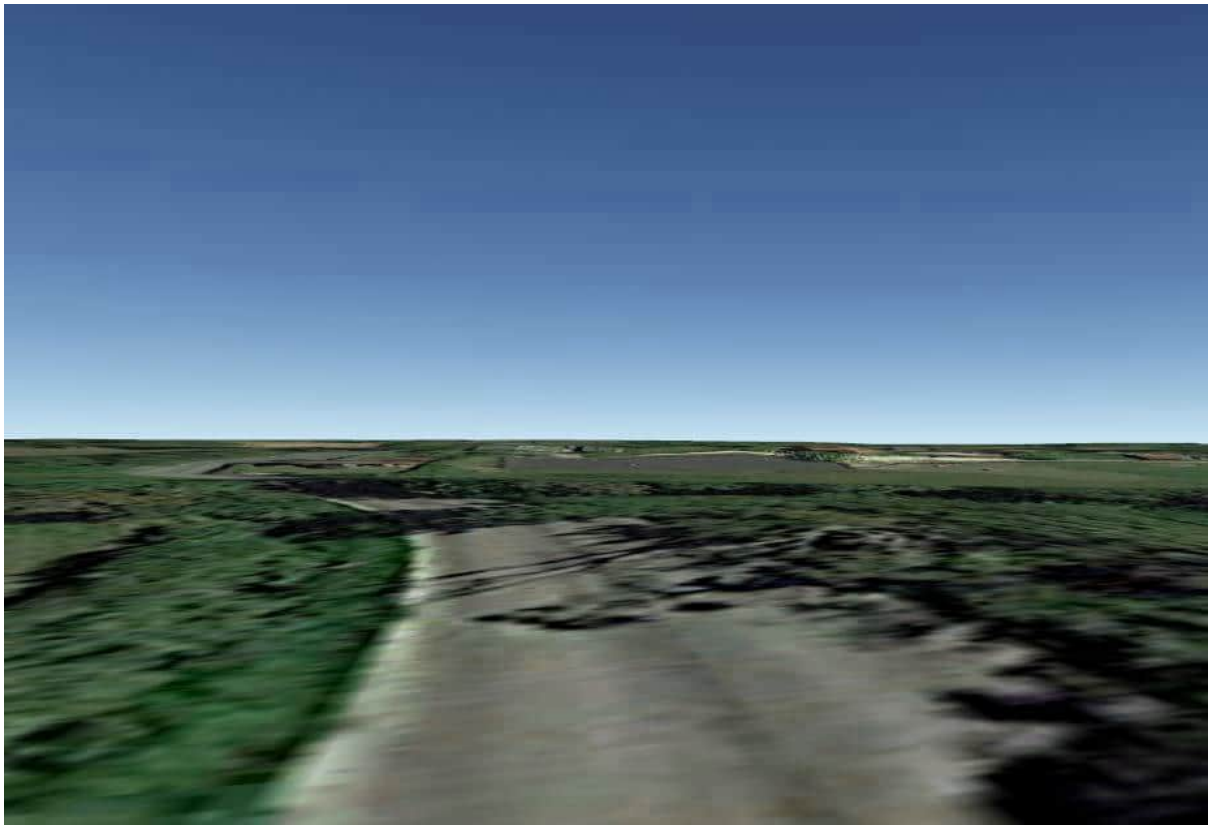
Looking West



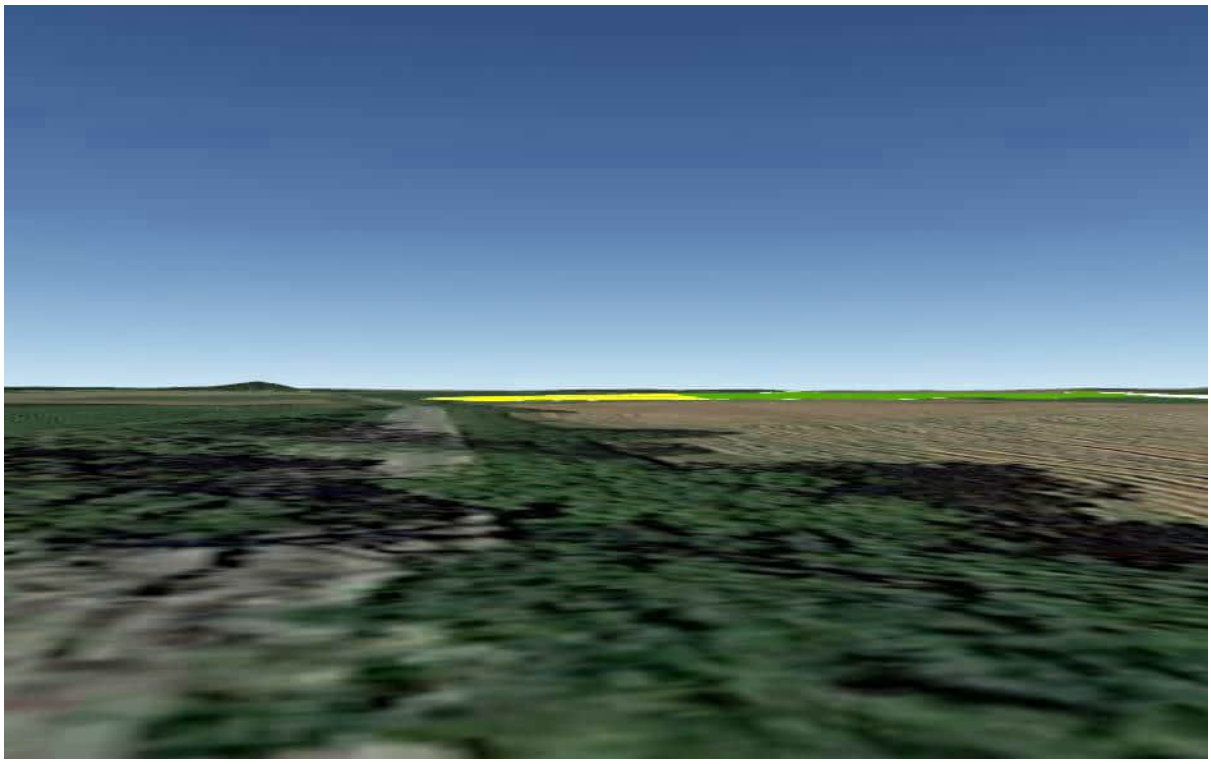
Receptor 97 (Group B Receptor 17)

Receptor 98 (Group B Receptor 18)

Looking East

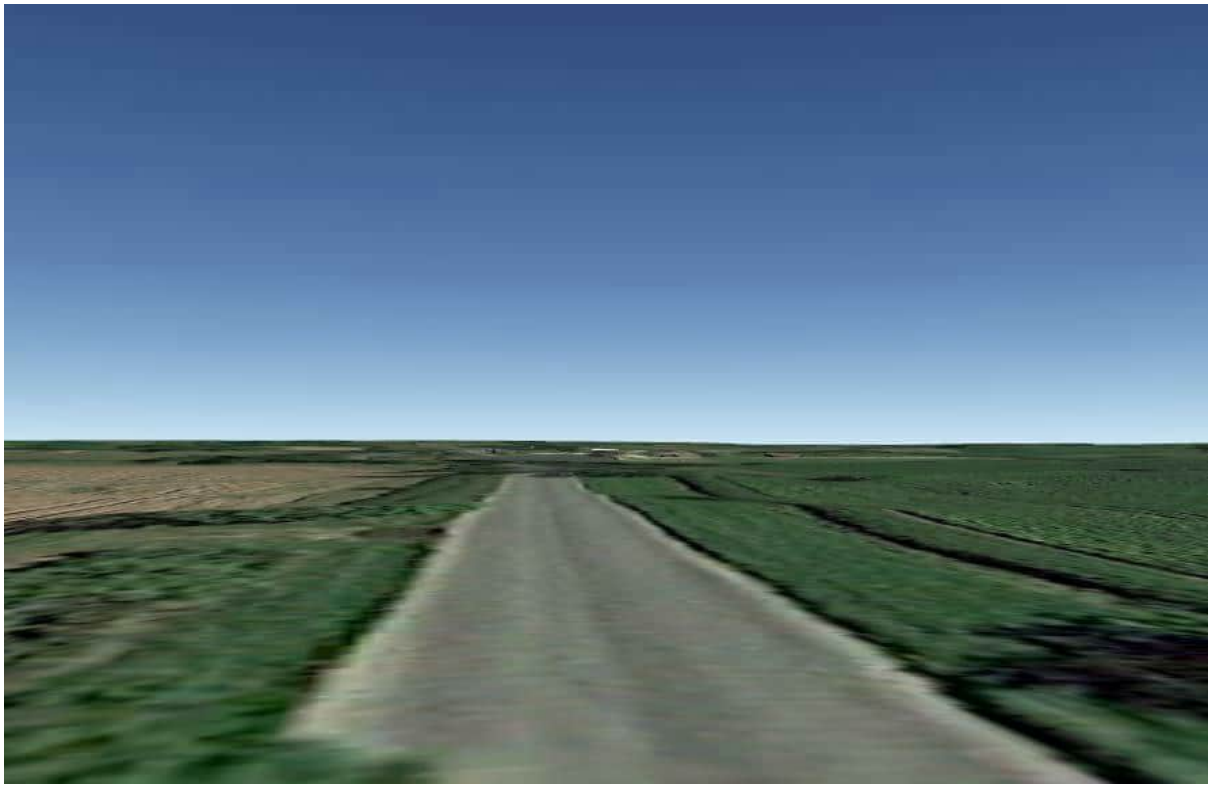


Looking West

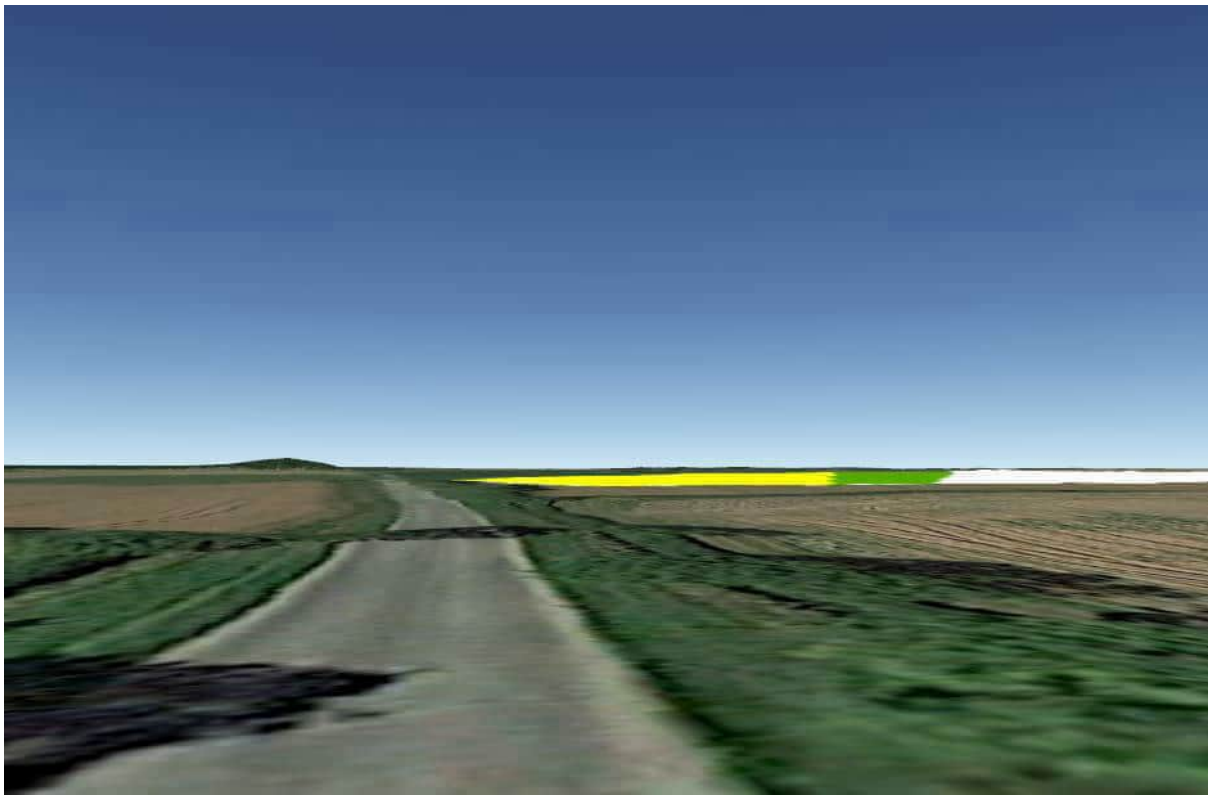


Receptor 99 (Group B Receptor 19)

Looking East

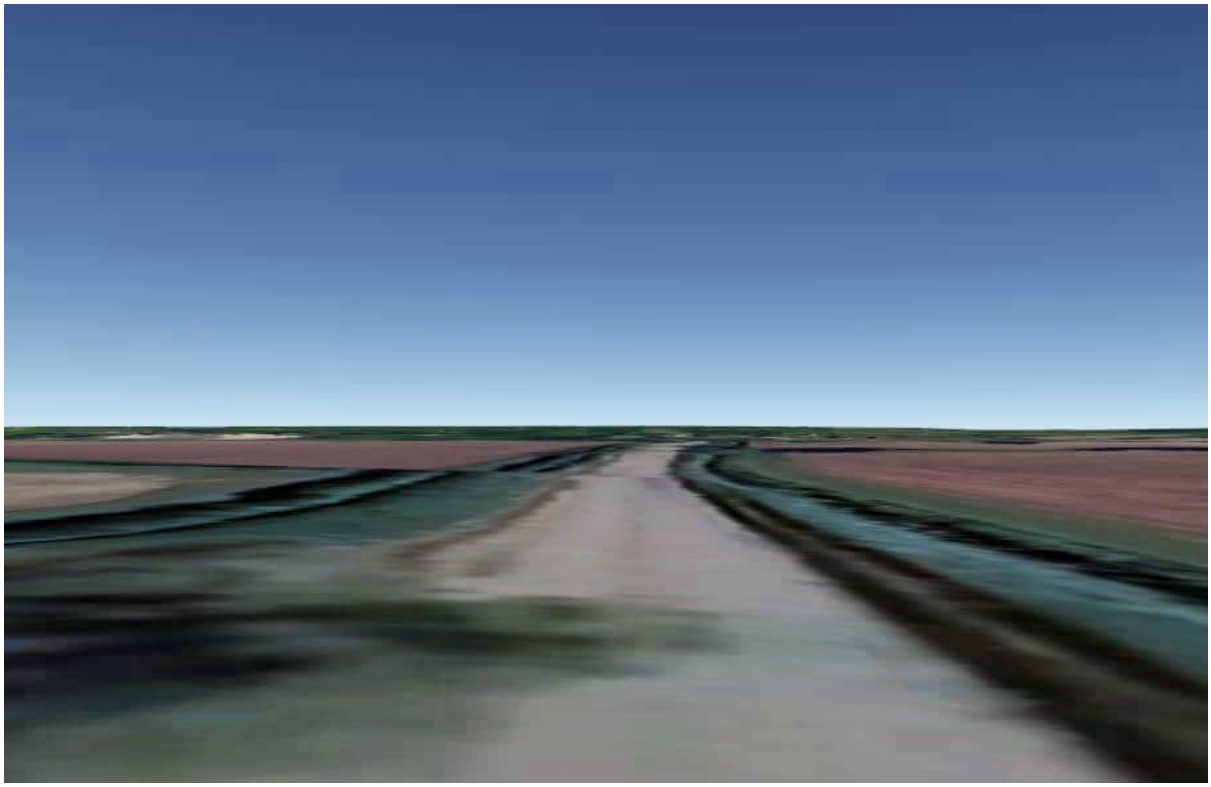


Looking West

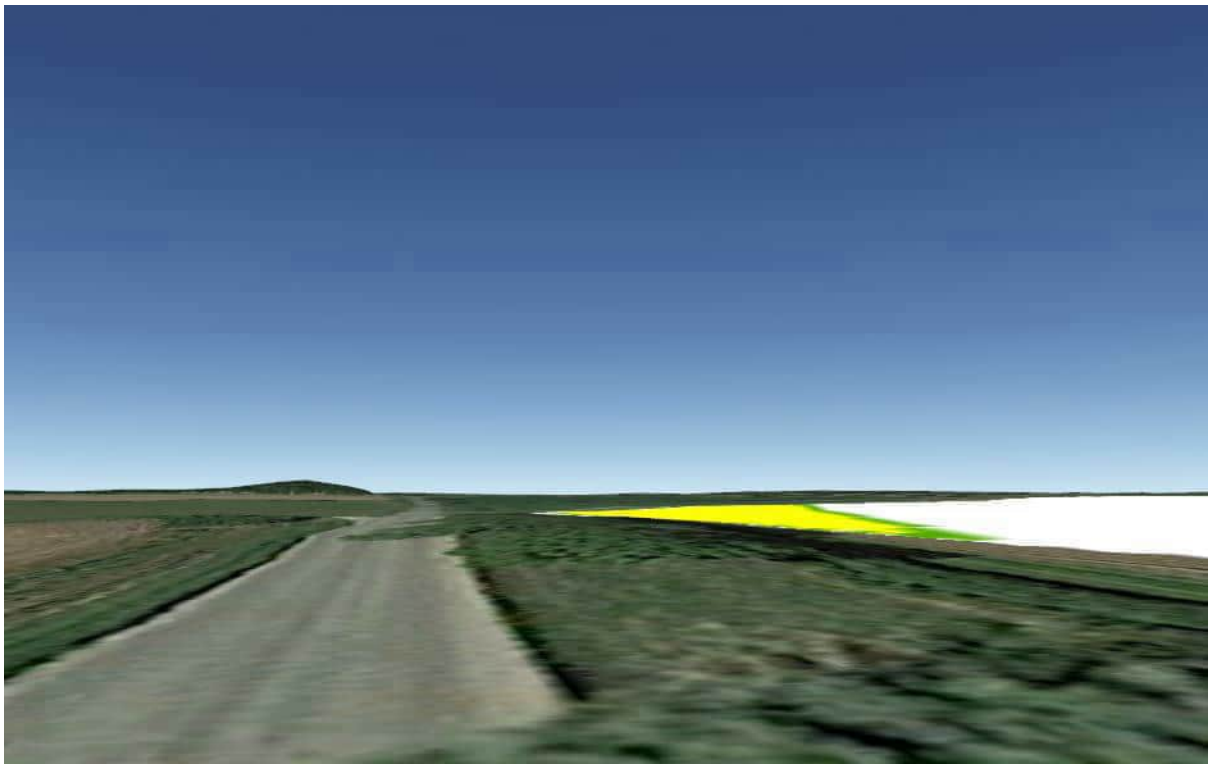


Receptor 100 (Group B Receptor 20)

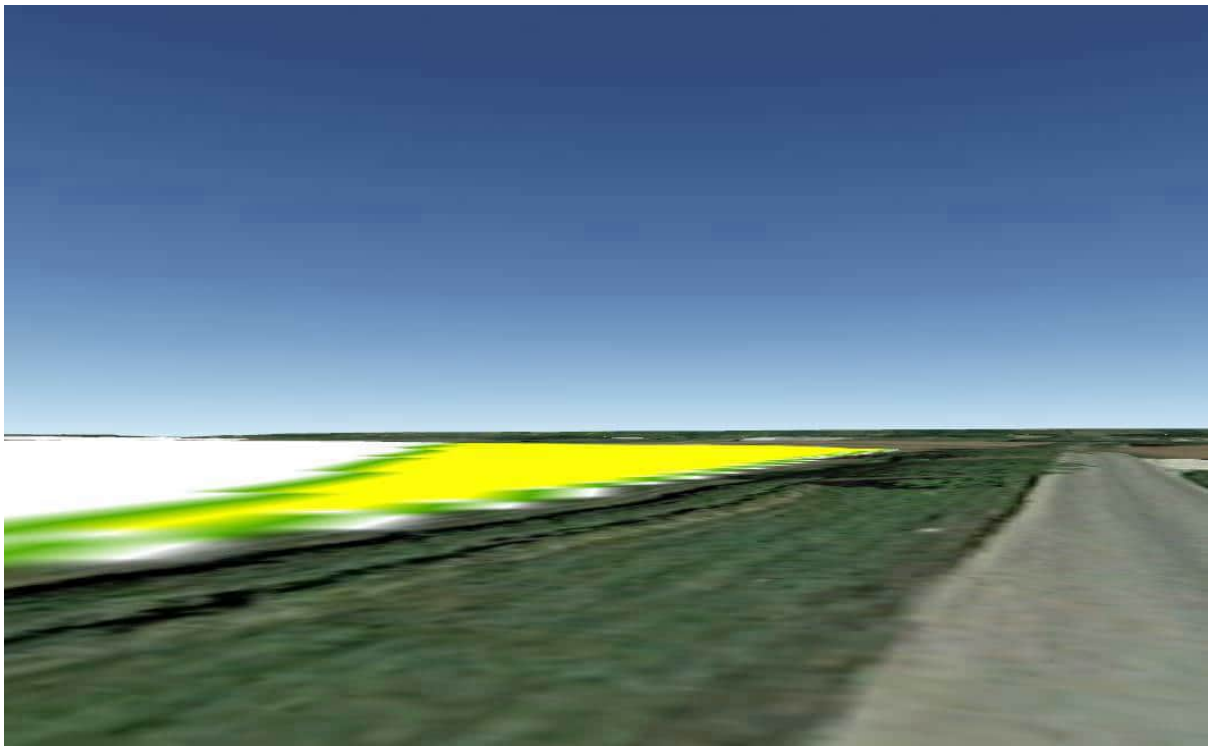
Looking East



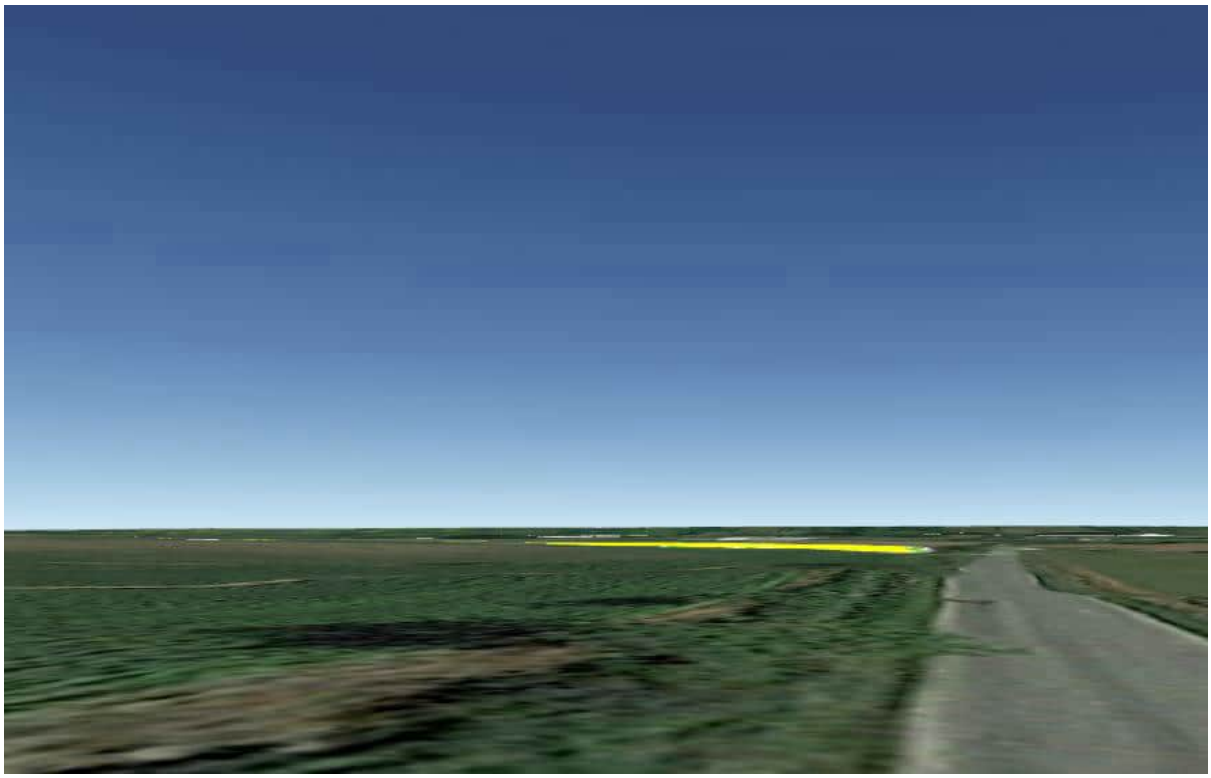
Looking West



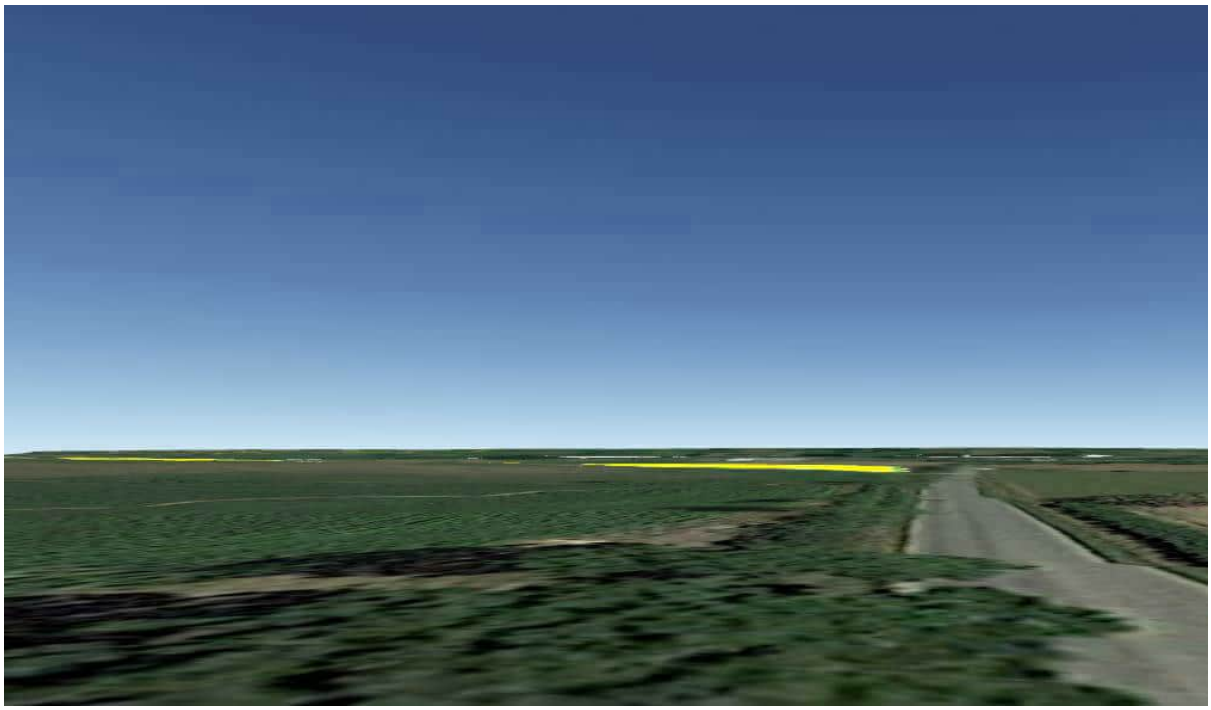
Receptor 101 (Group B Receptor 21)



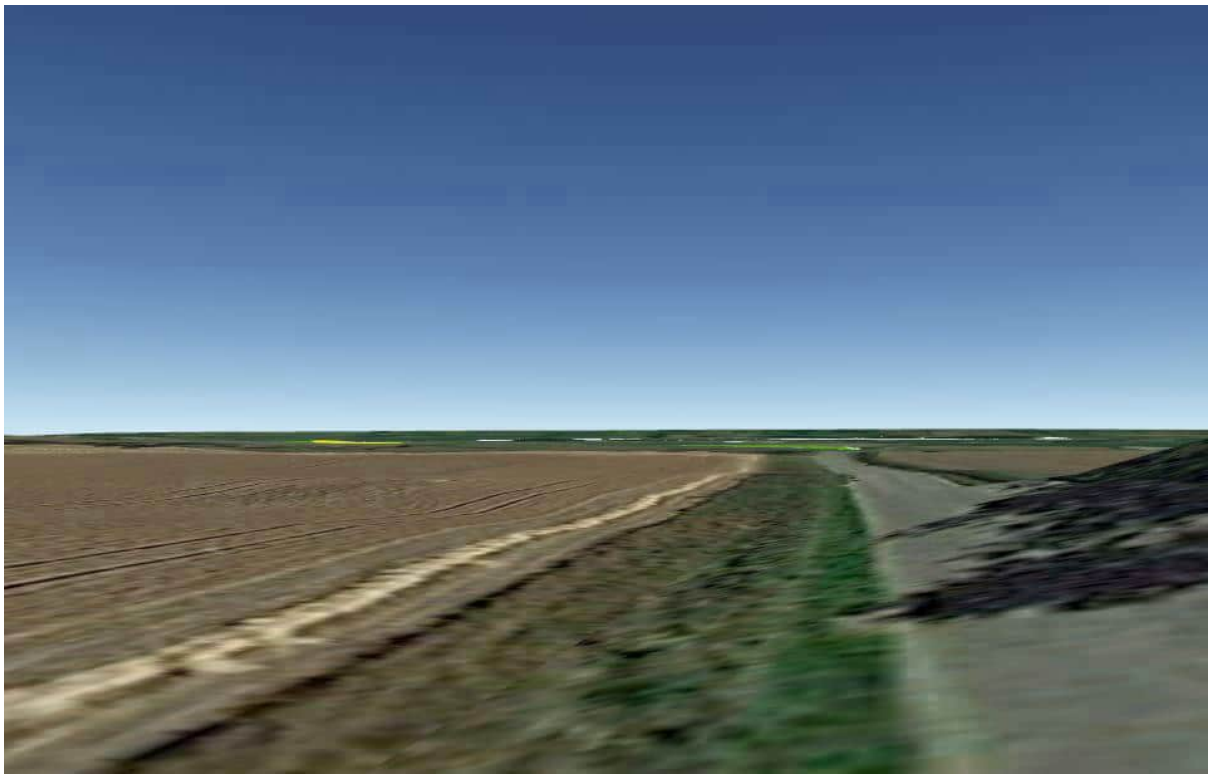
Receptor 102 (Group B Receptor 22)



Receptor 103 (Group B Receptor 23)

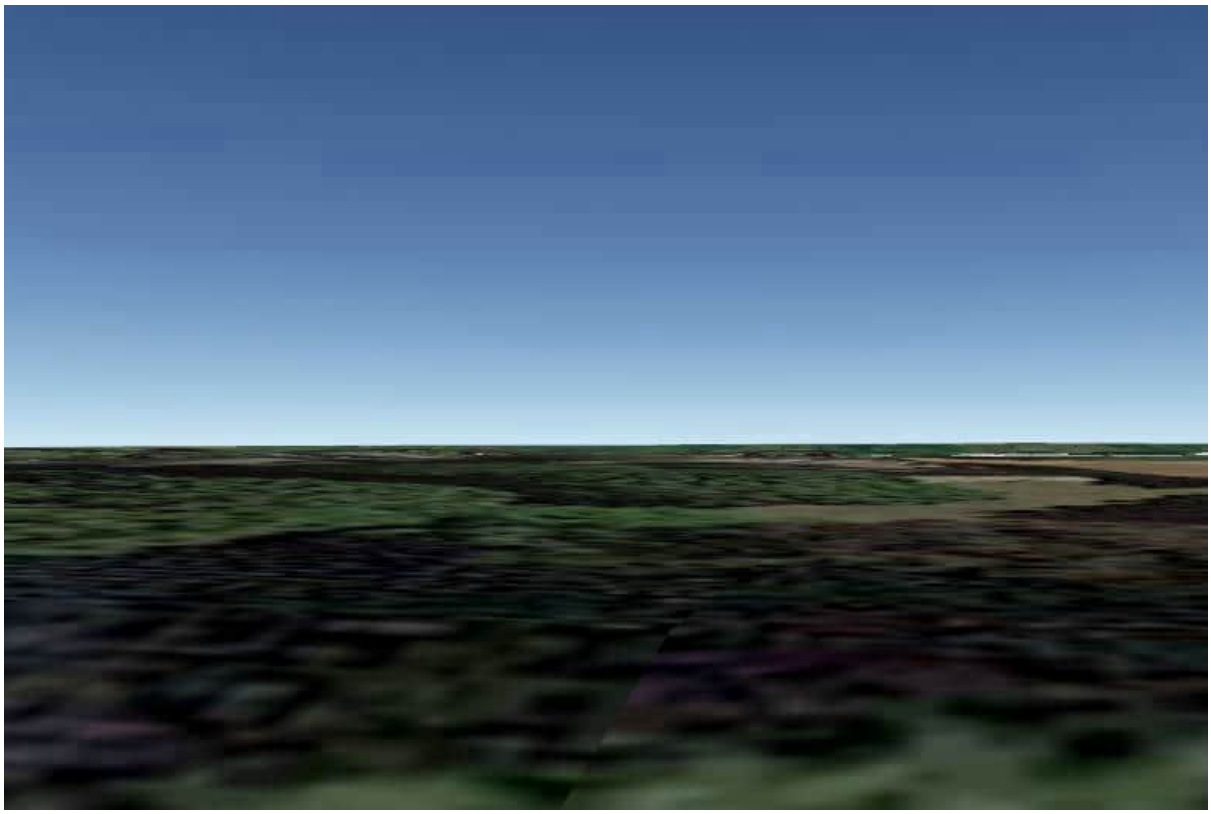


Receptor 104 (Group B Receptor 24)

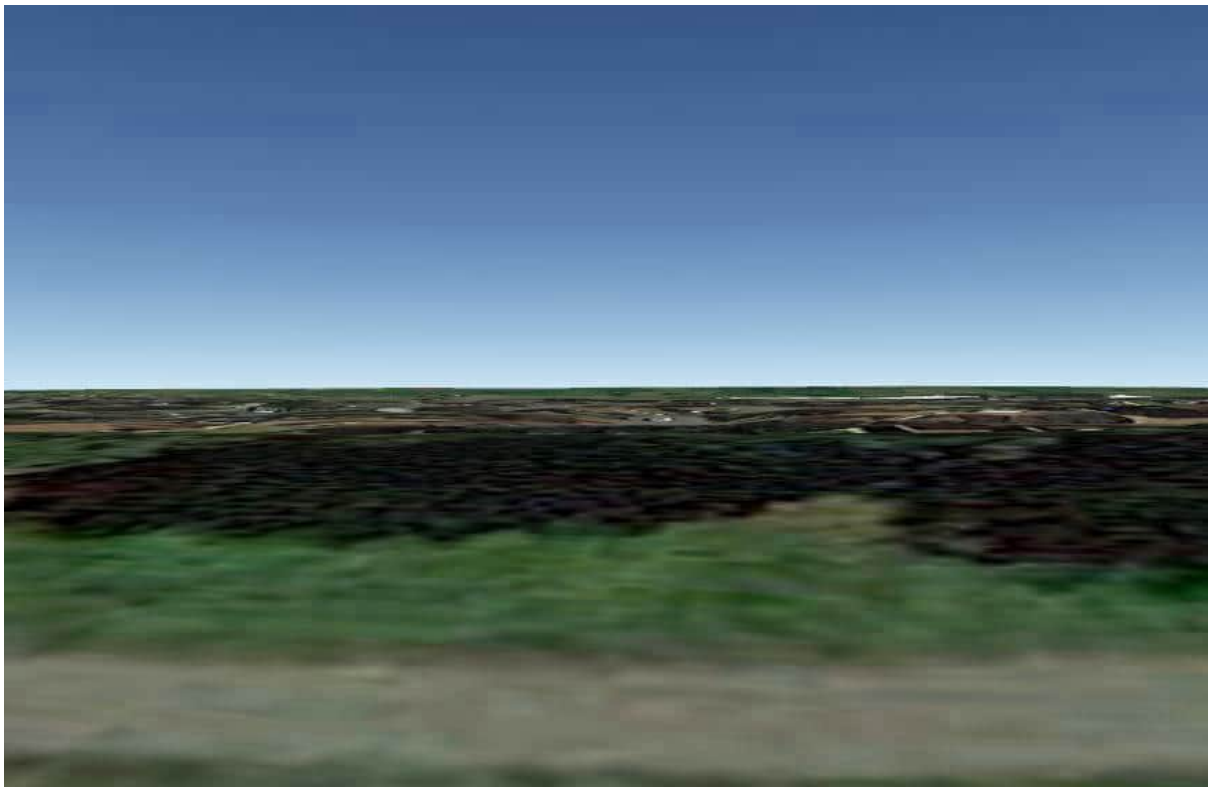


Receptor 105 (Group B Receptor 25)

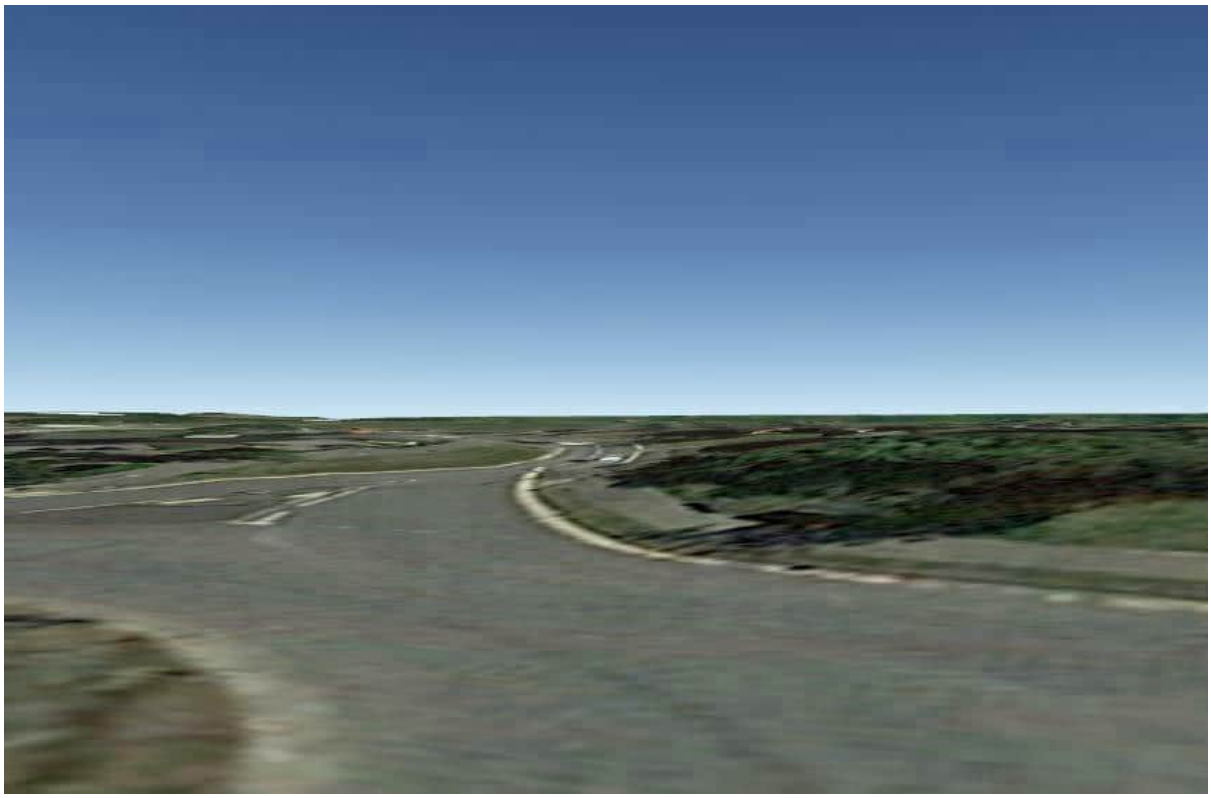
Receptor 106 (Group B Receptor 26)



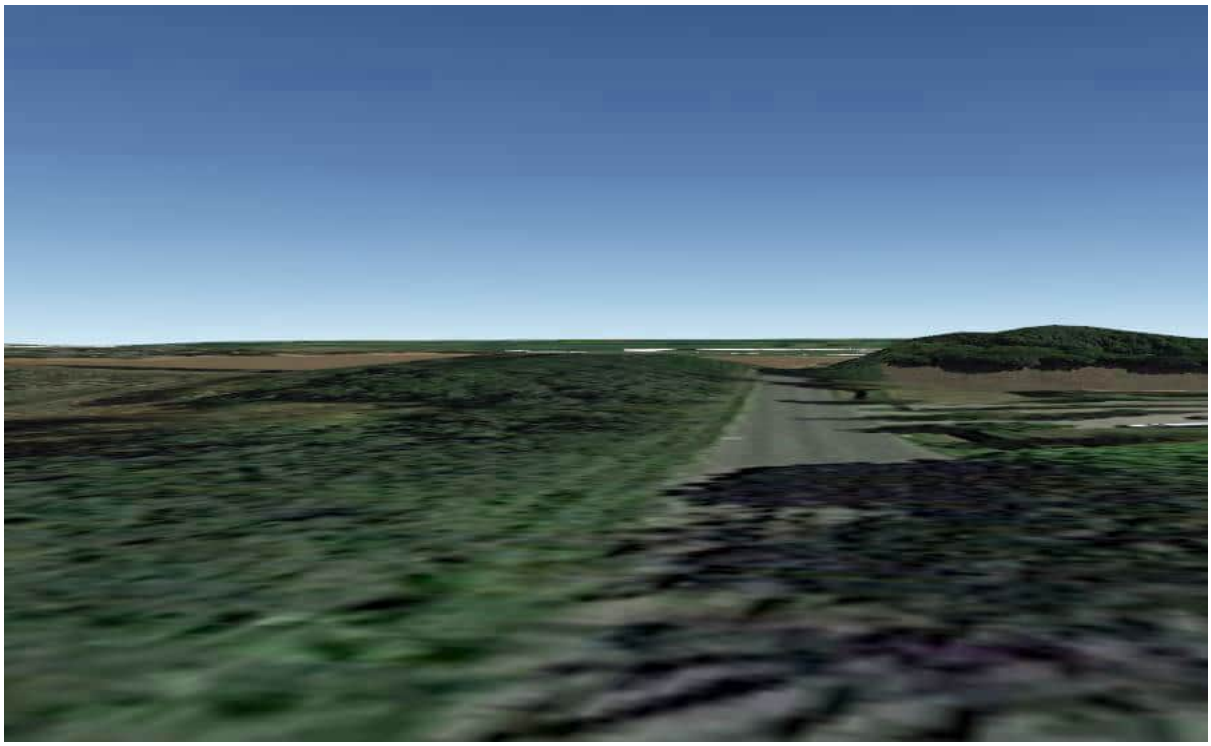
Receptor 107 (Group B Receptor 27)



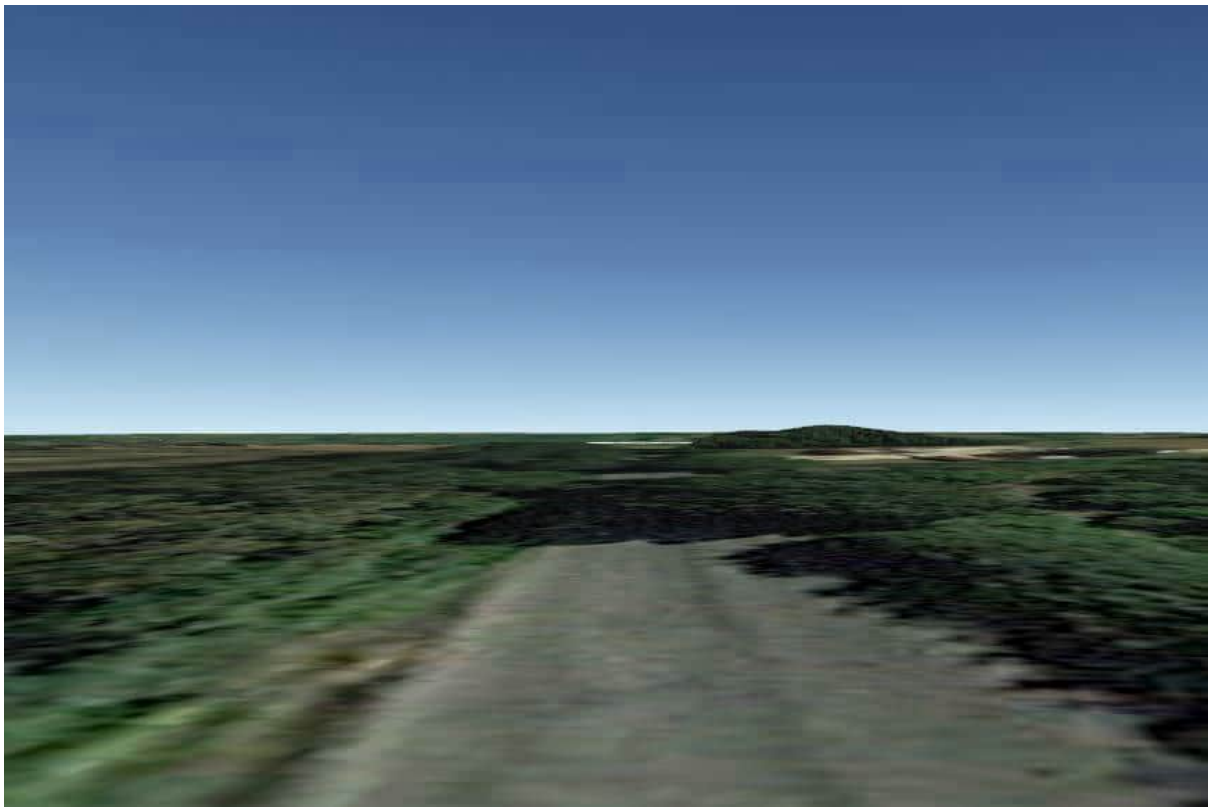
Receptor 108 (Group B Receptor 28)



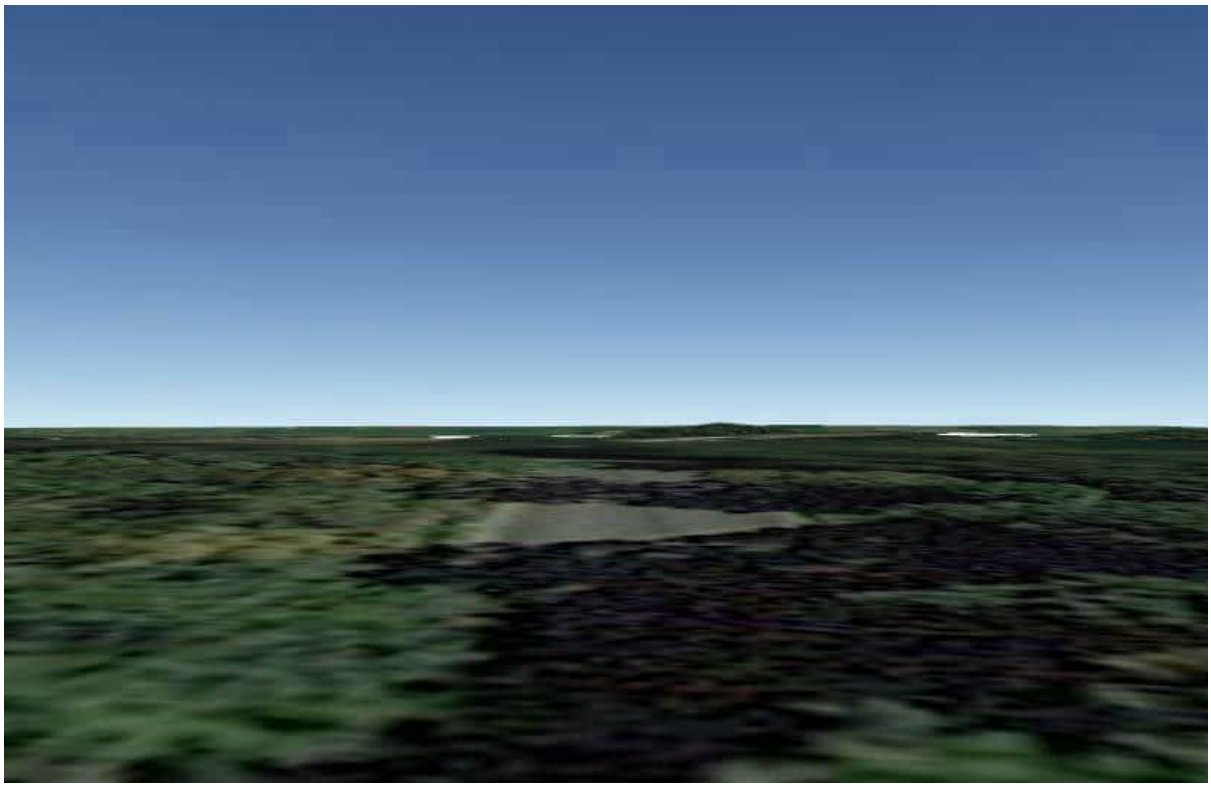
Receptor 109 (Group B Receptor 29)



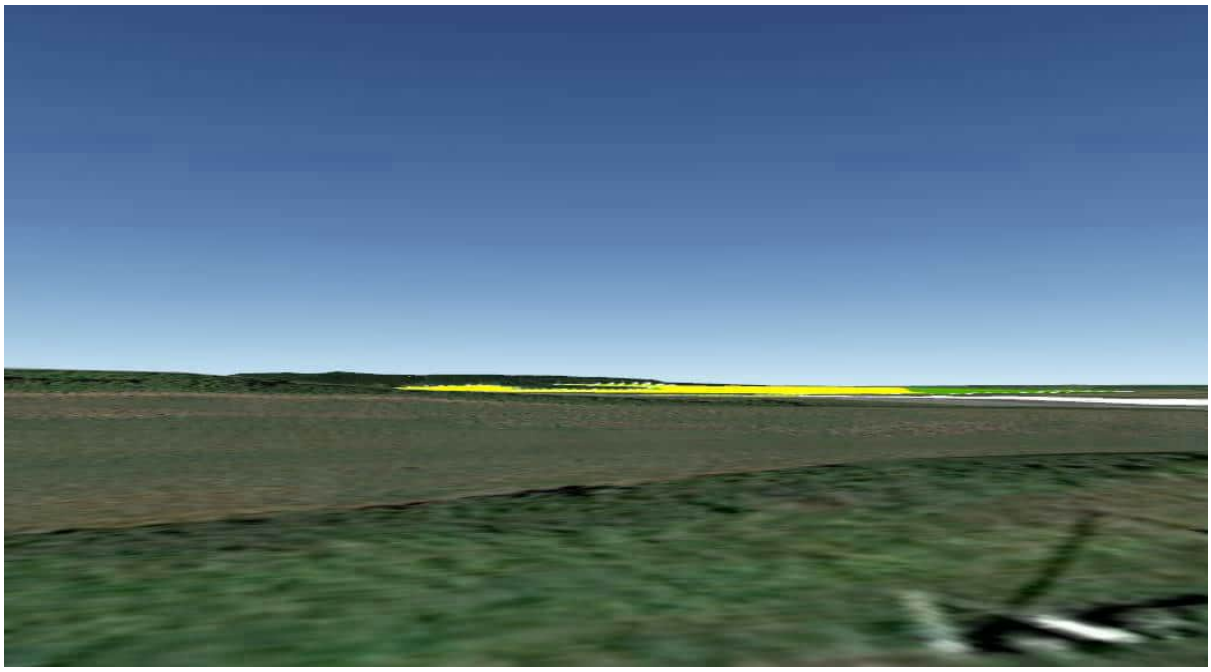
Receptor 110 (Group B Receptor 30)



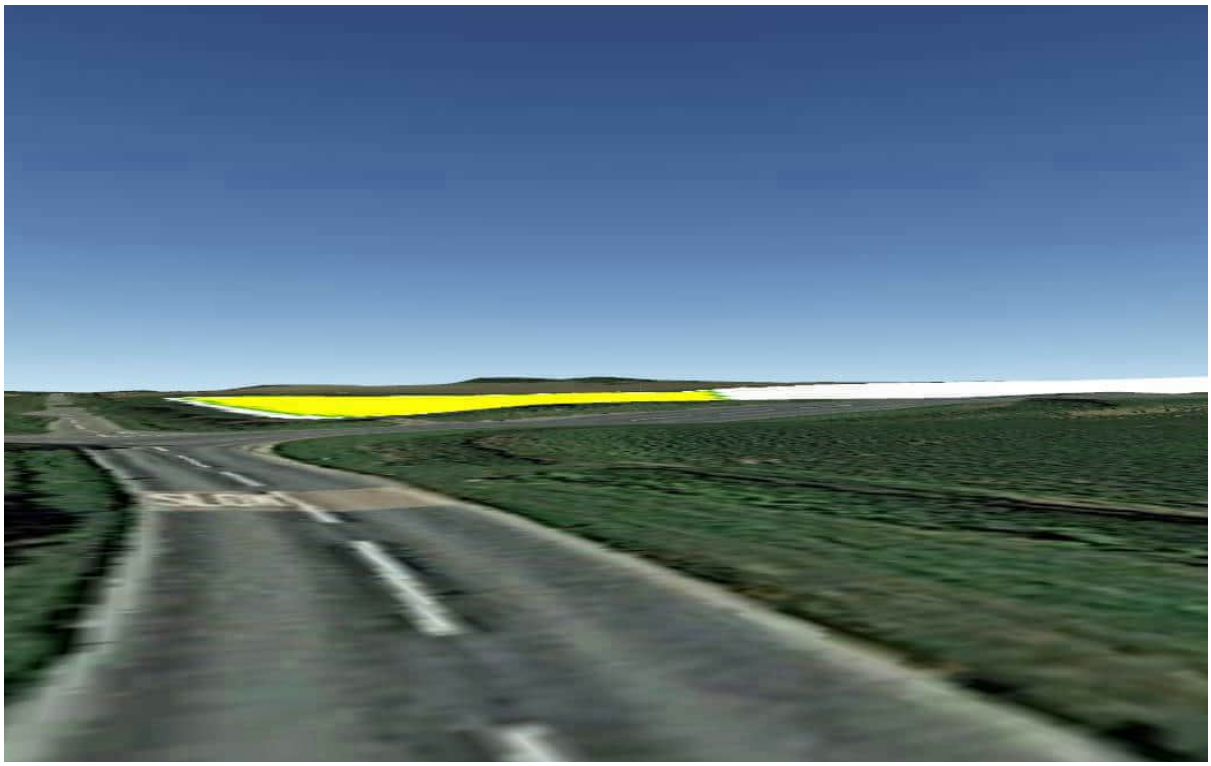
Receptor 111 (Group B Receptor 31)



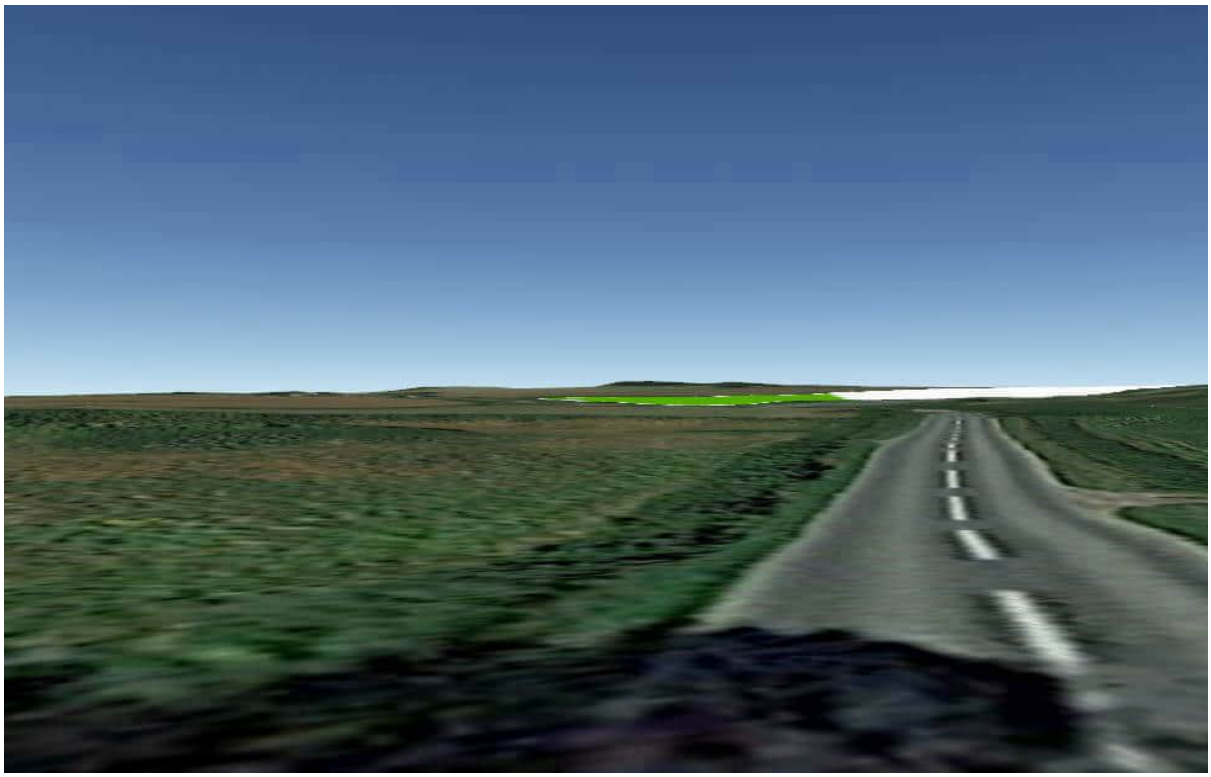
Receptor 112 (Group B Receptor 32)



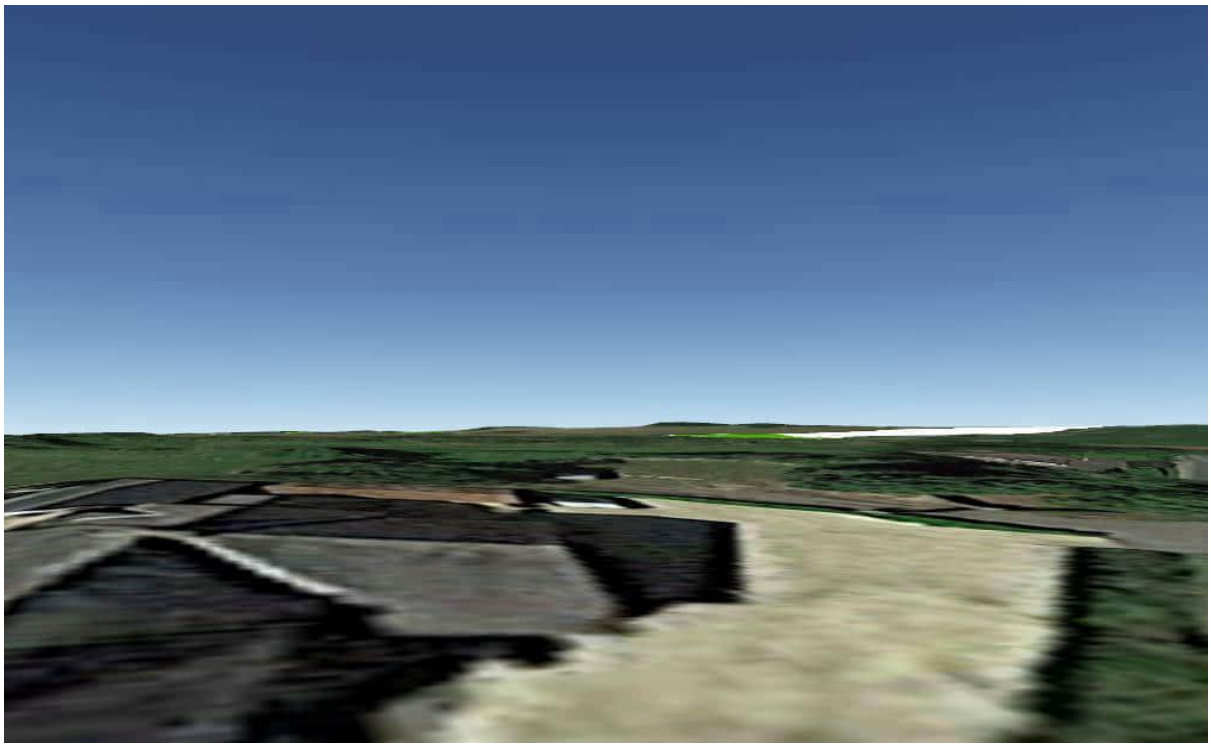
Receptor 113 (Group B Receptor 33)

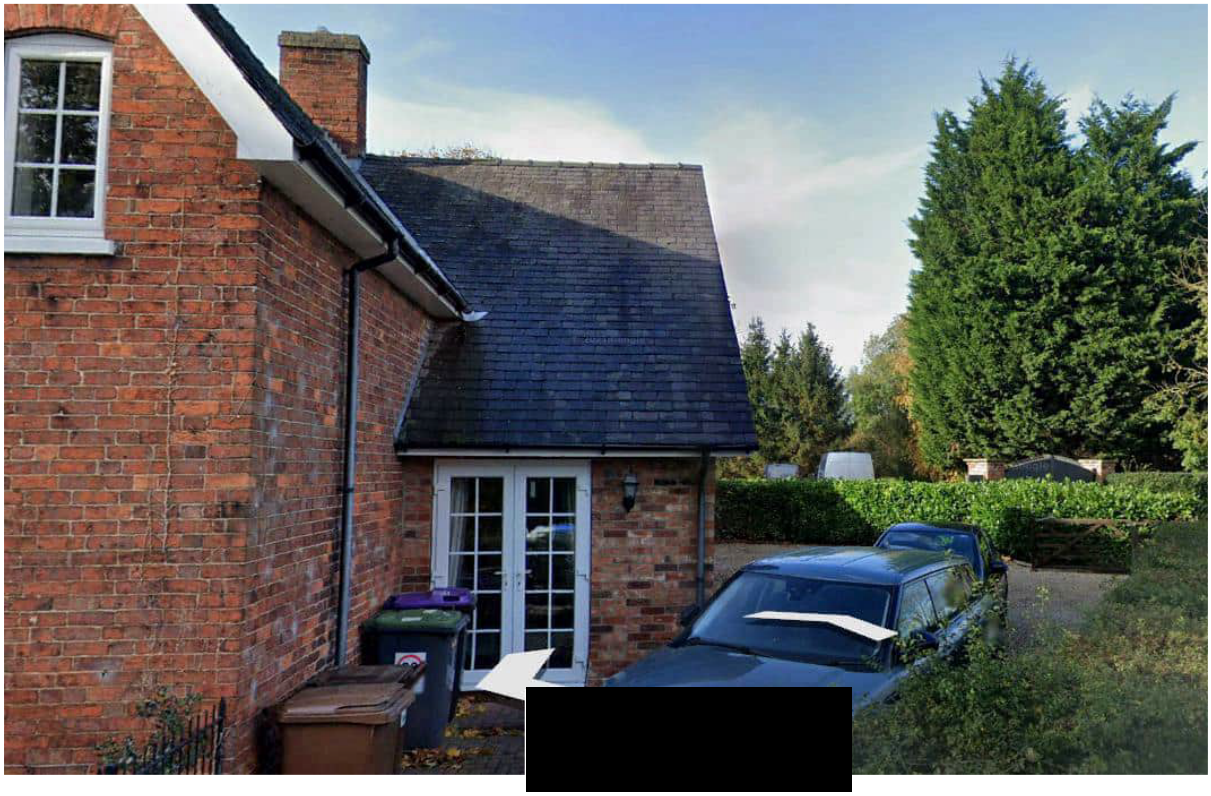


Receptor 114 (Group B Receptor 34)

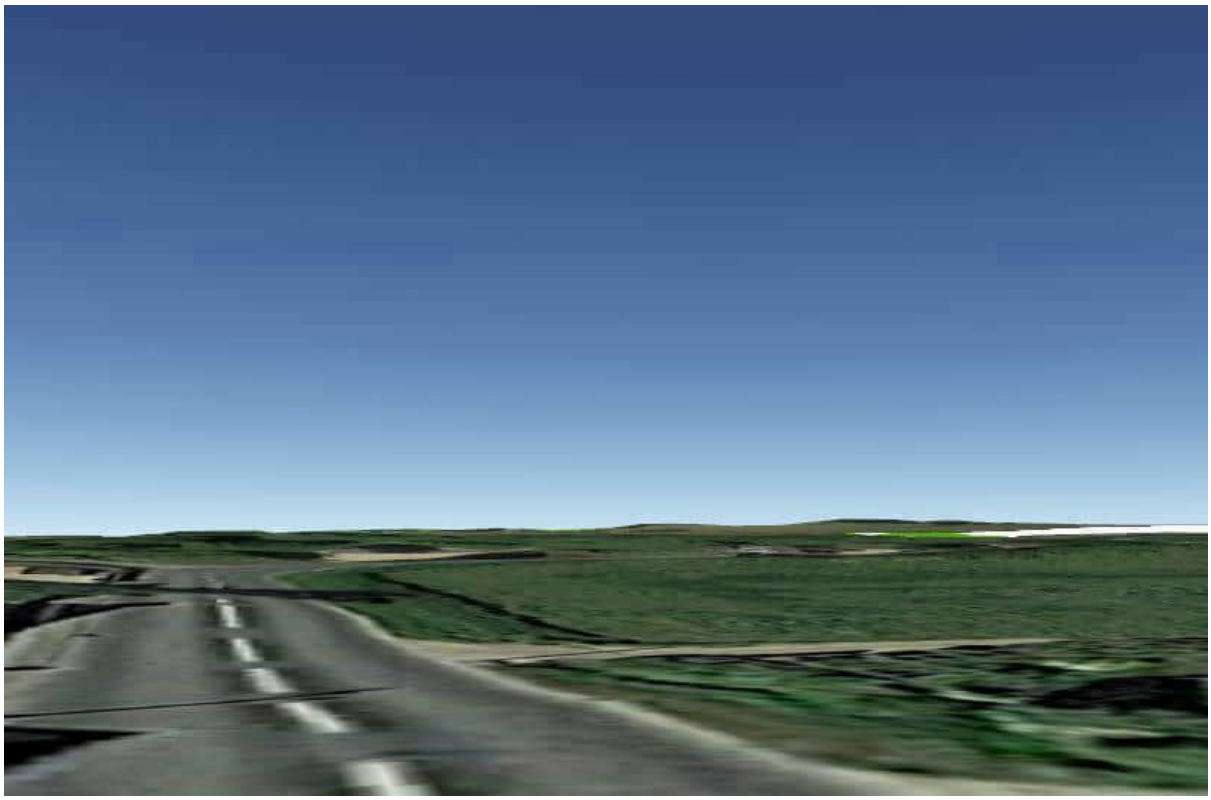


Receptor 115 (Group B Receptor 35)

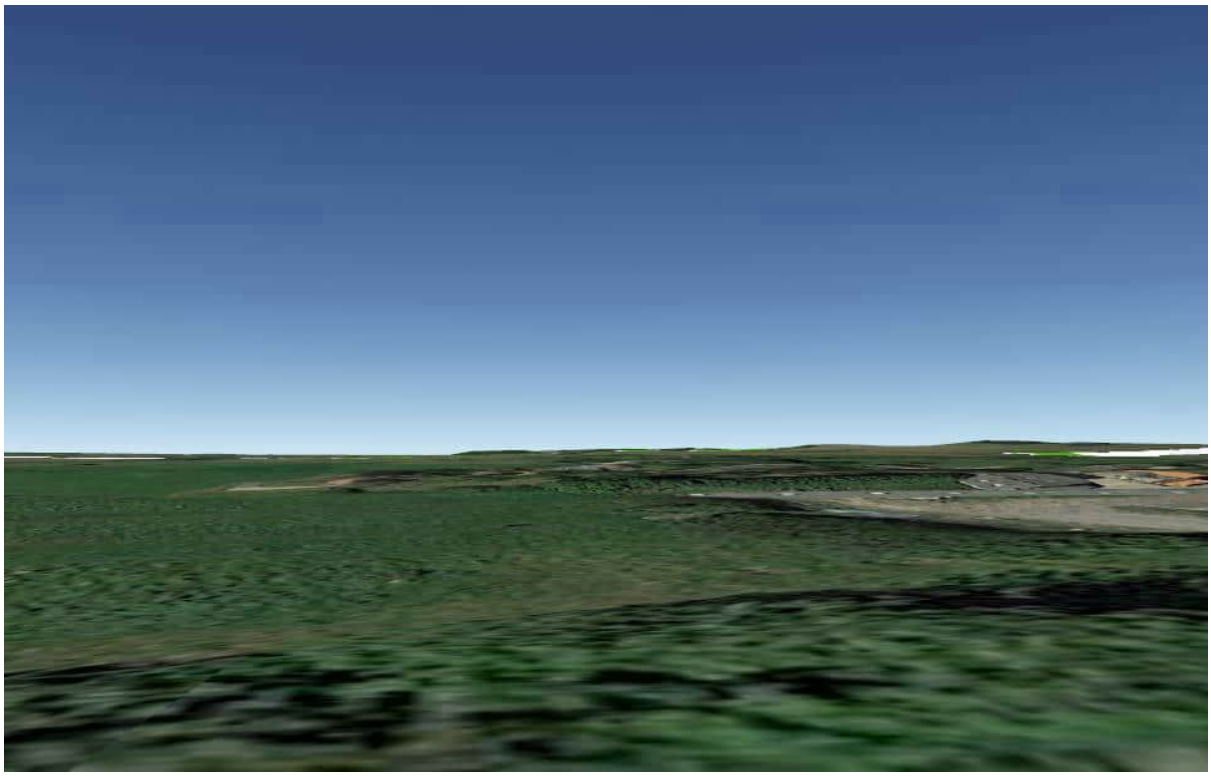




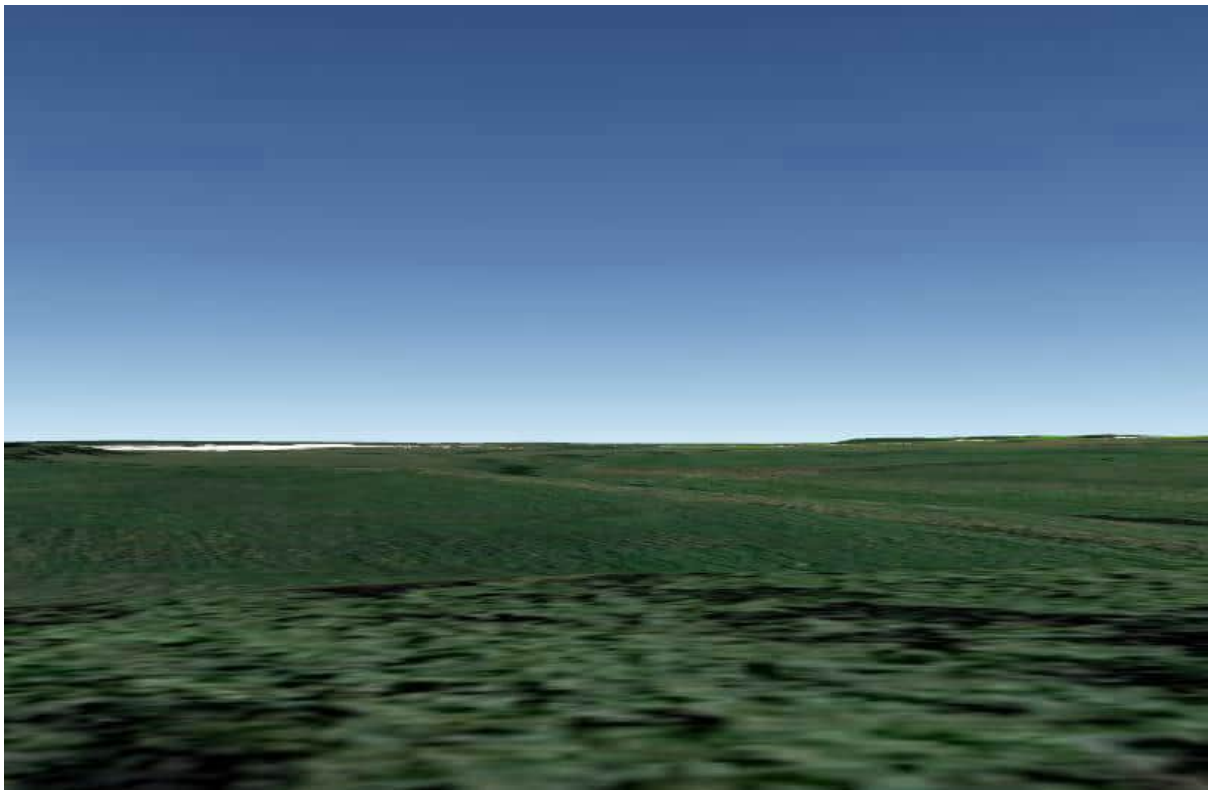
Receptor 116 (Group B Receptor 36)

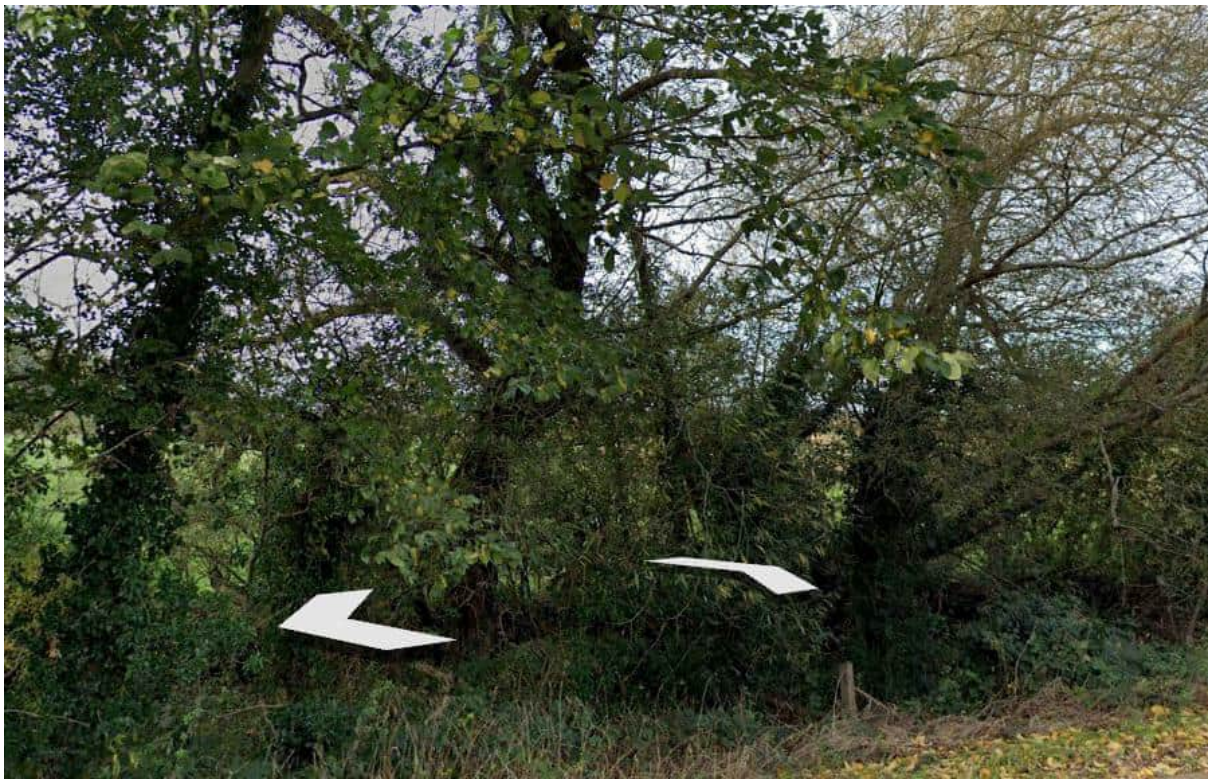


Receptor 117 (Group B Receptor 37)

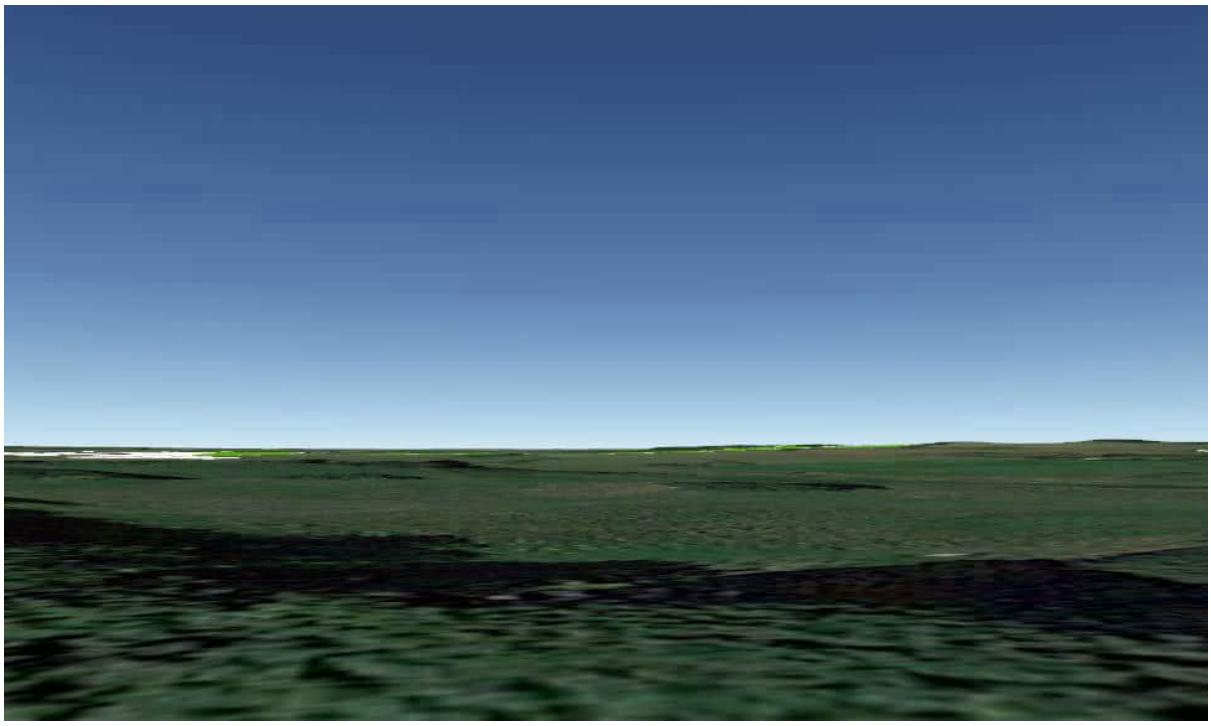


Receptor 118 (Group B Receptor 38)



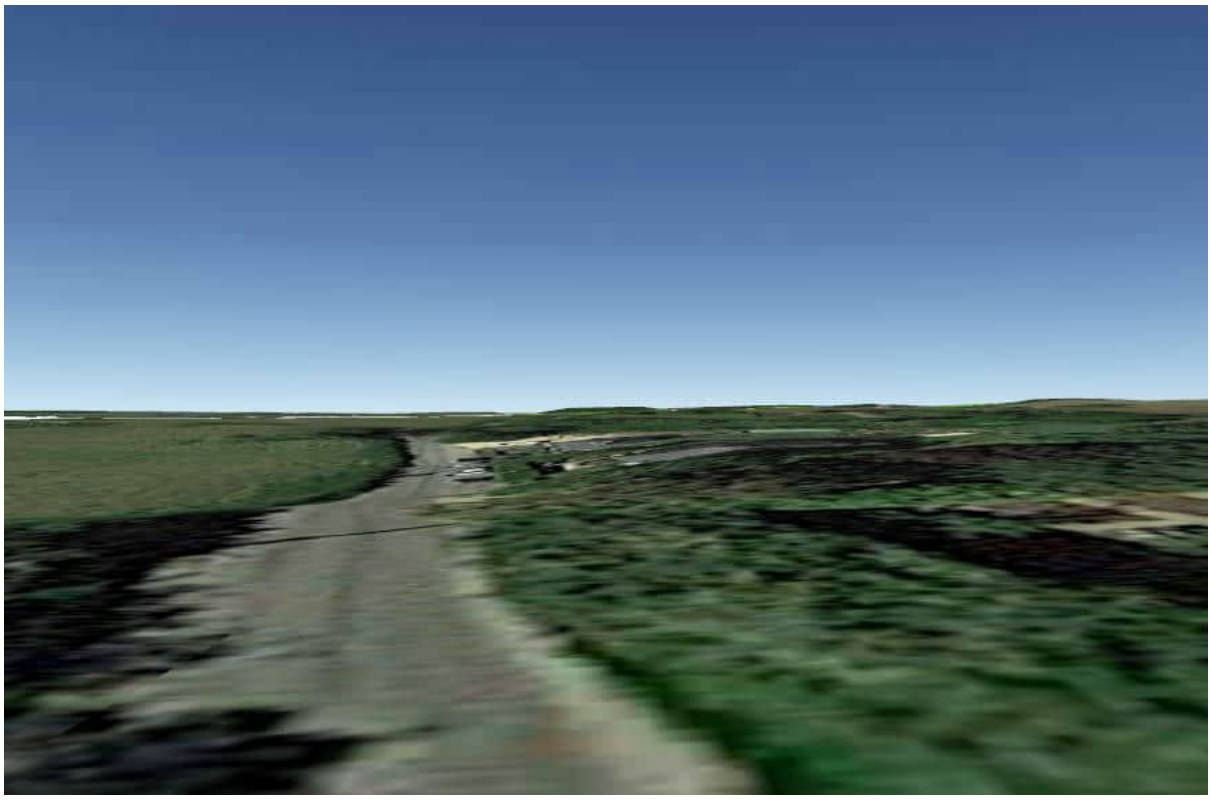


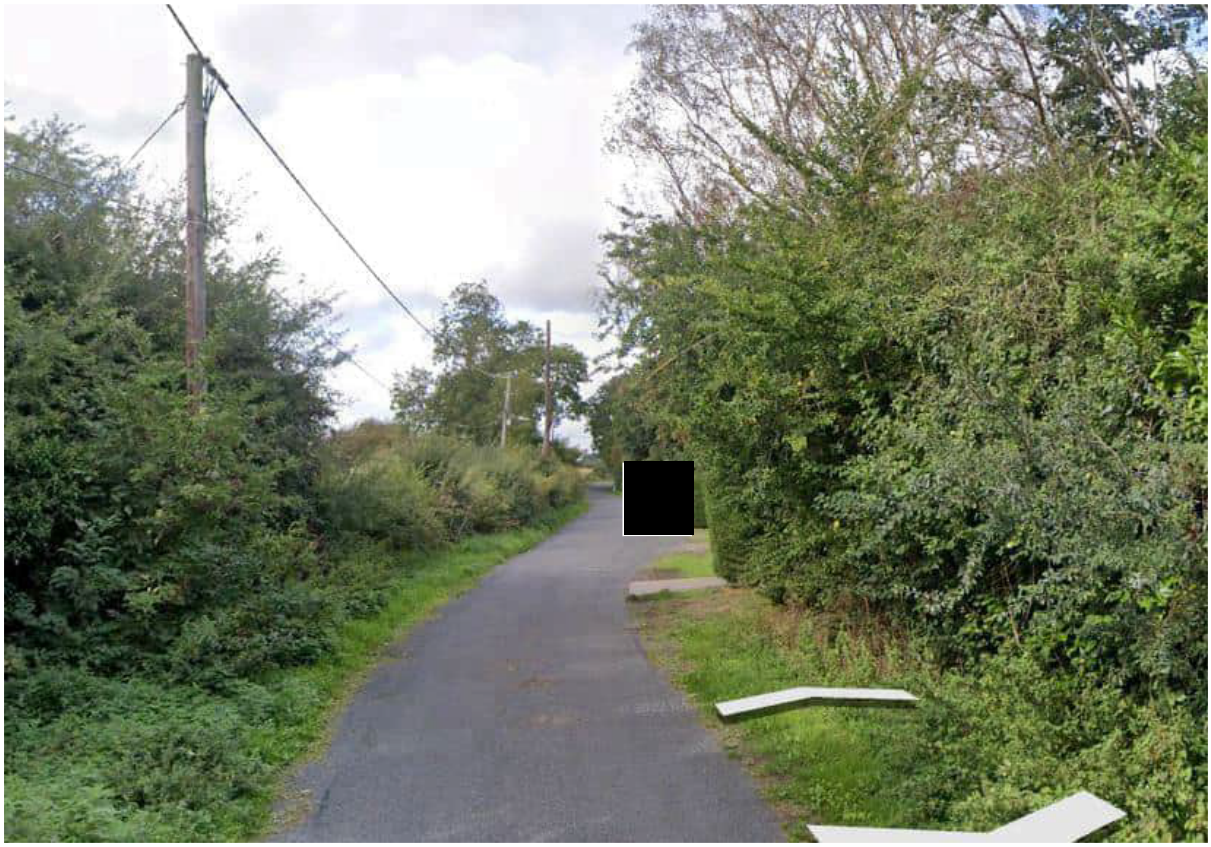
Receptor 119 (Group B Receptor 39)



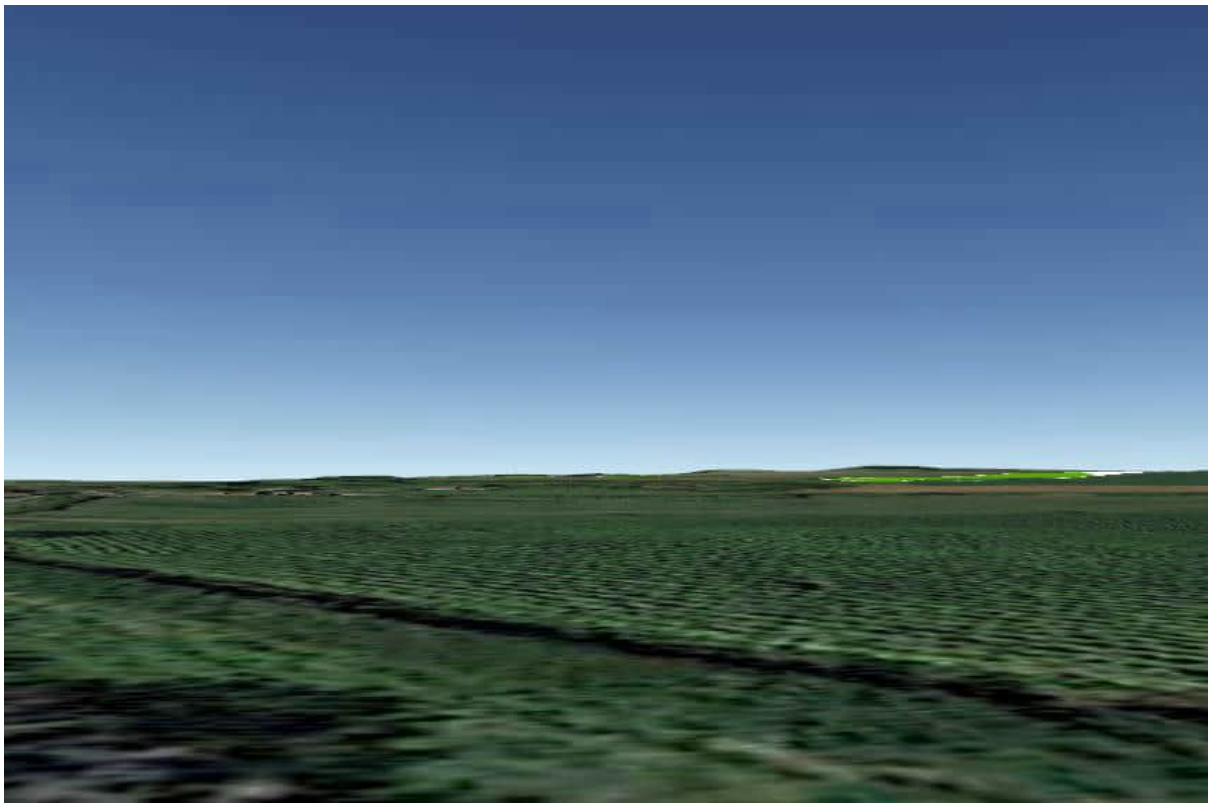
Receptor 120 (Group B Receptor 40)

Receptor 121 (Group B Receptor 41)



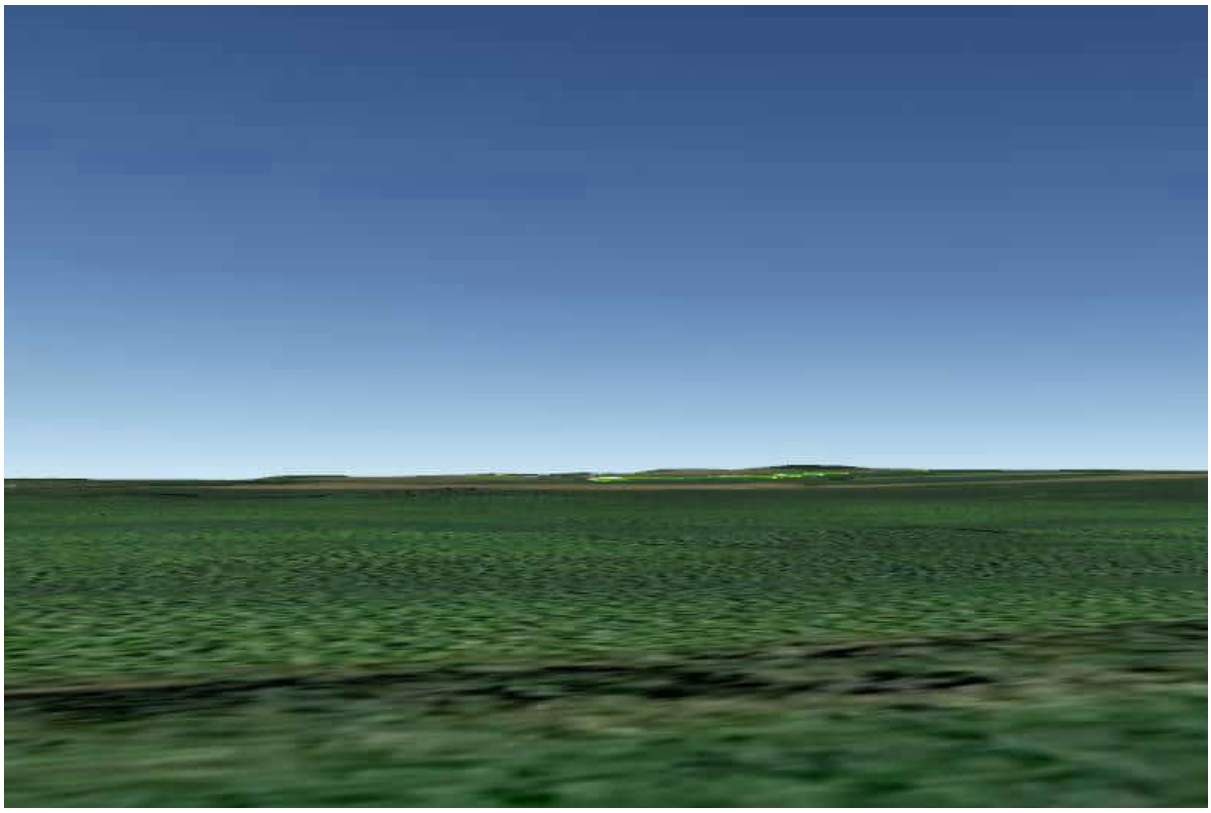


Receptor 122 (Group B Receptor 42)

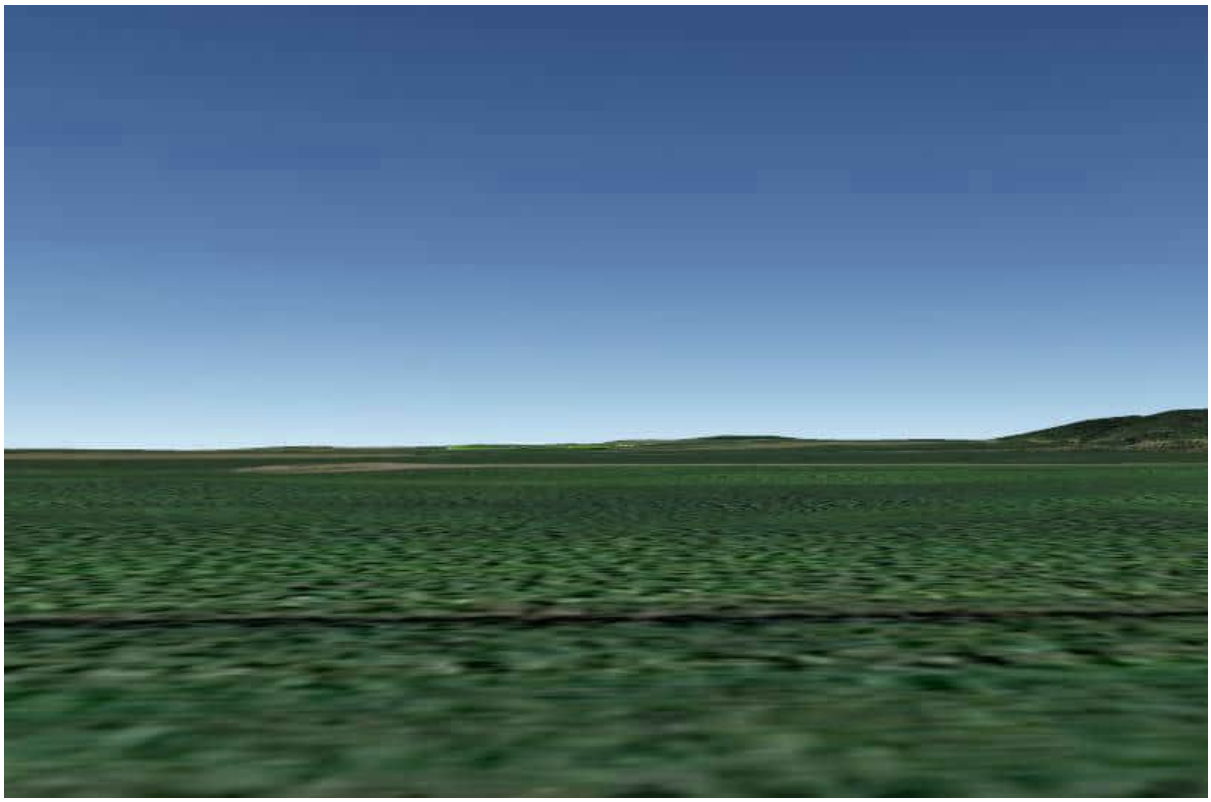


Receptor 123 (Group B Receptor 43)

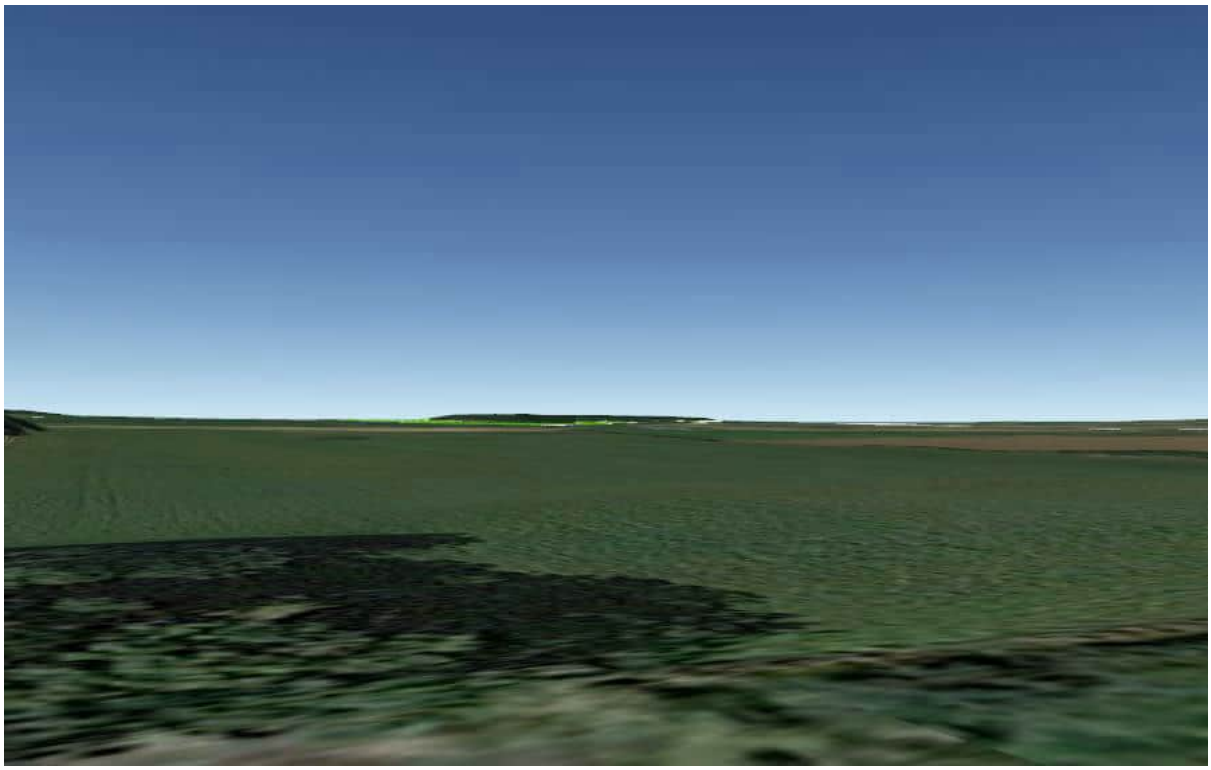
Receptor 124 (Group B Receptor 44)



Receptor 125 (Group B Receptor 45)

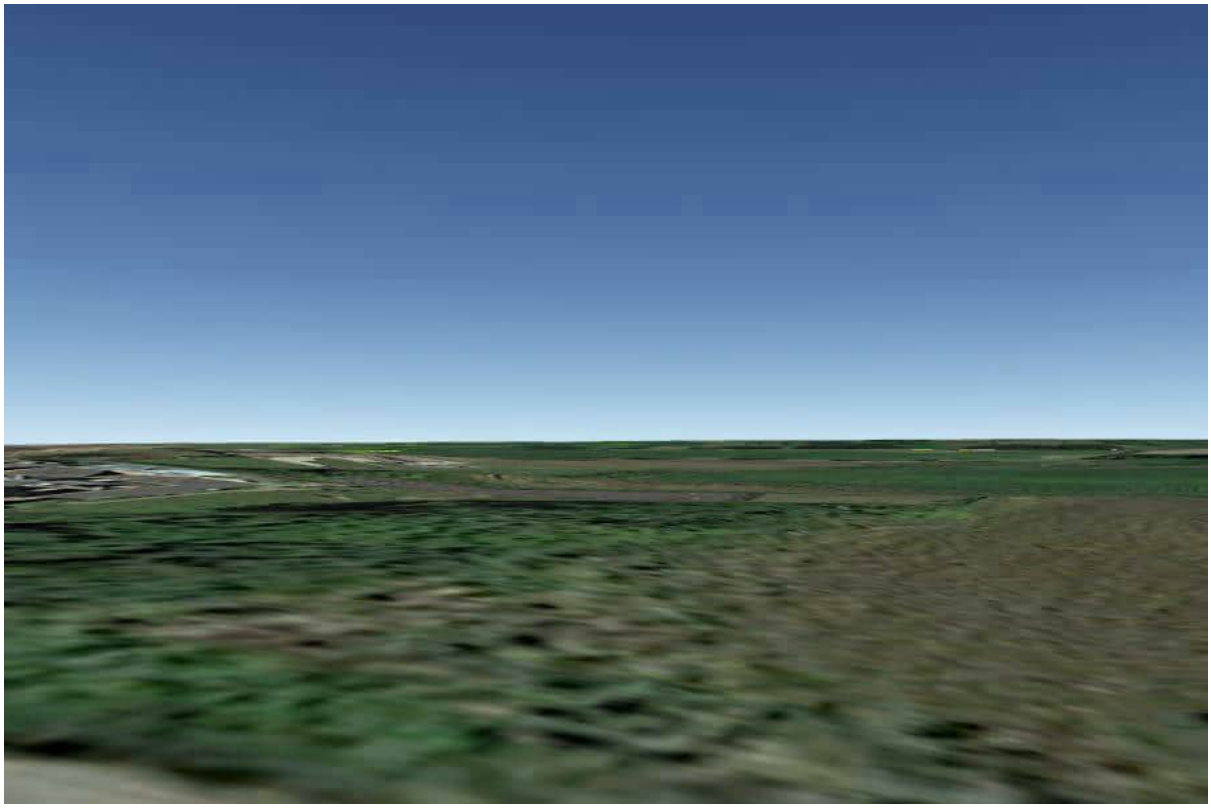


Receptor 126 (Group B Receptor 46)

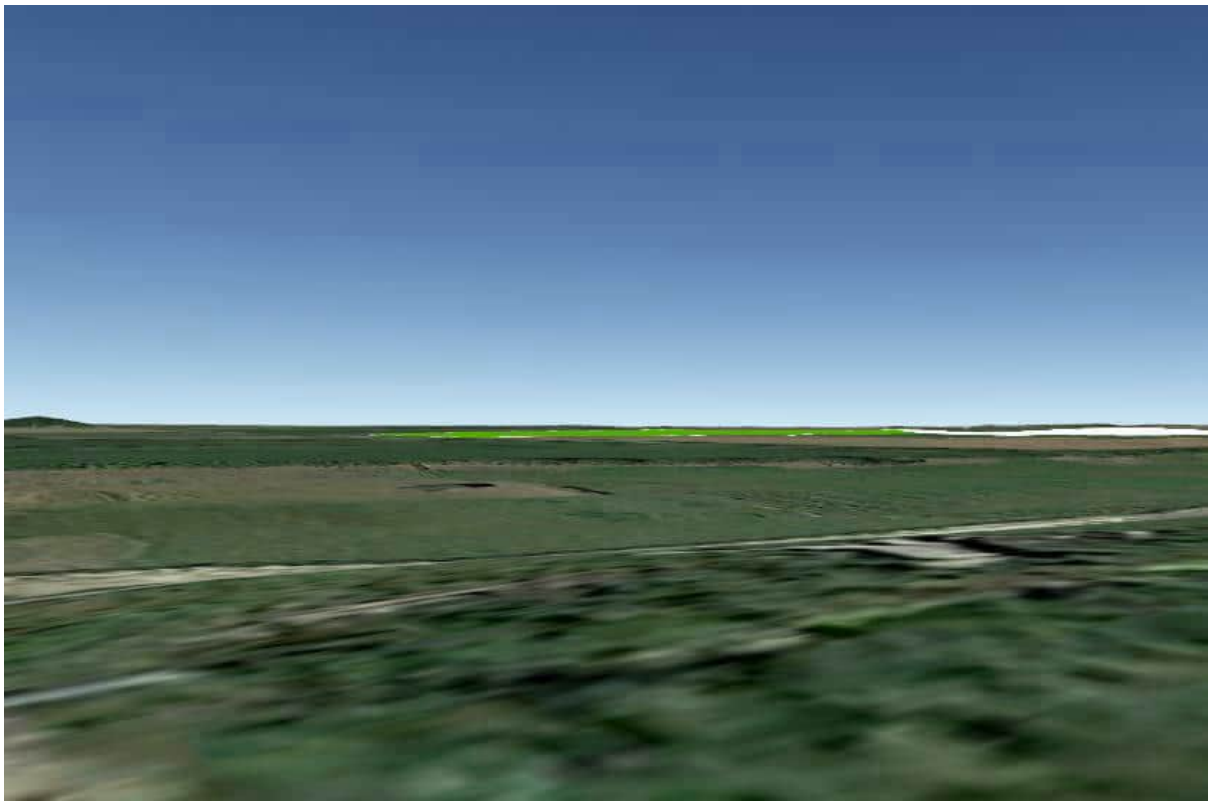


Receptor 127 (Group B Receptor 47)

Looking East

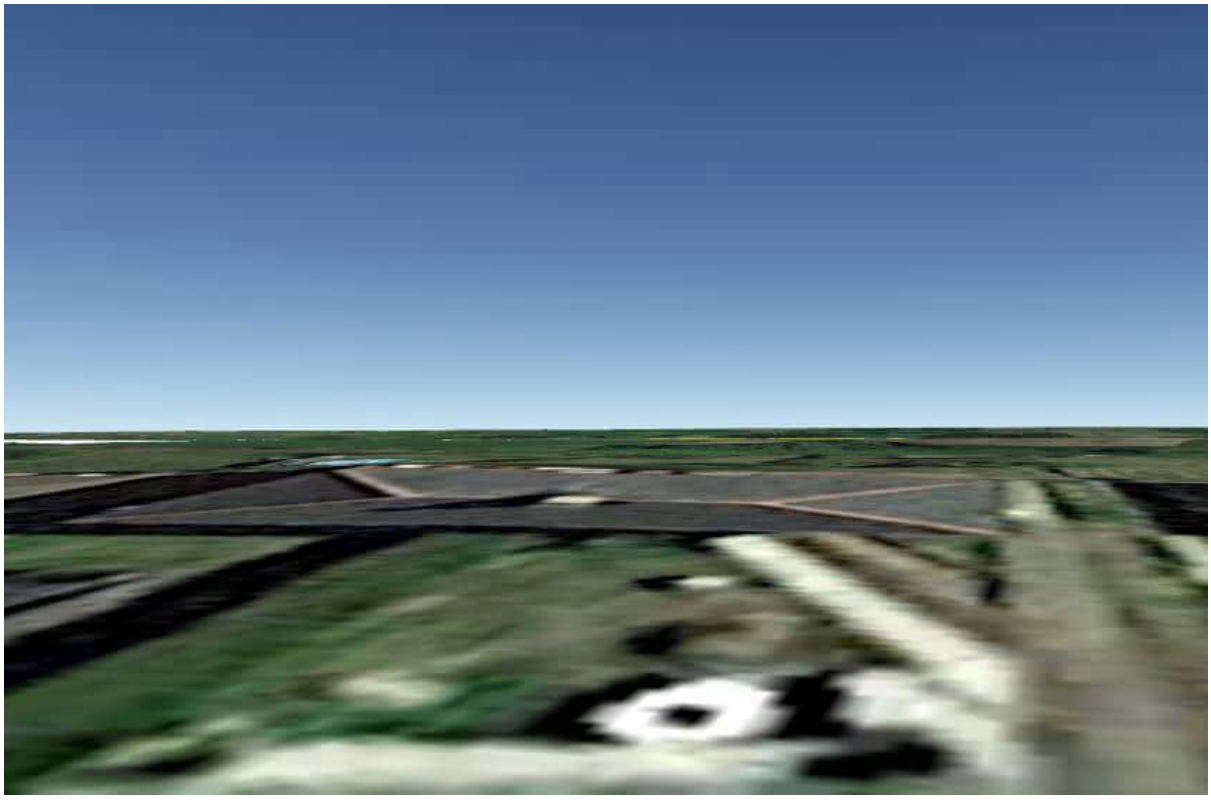


Looking West

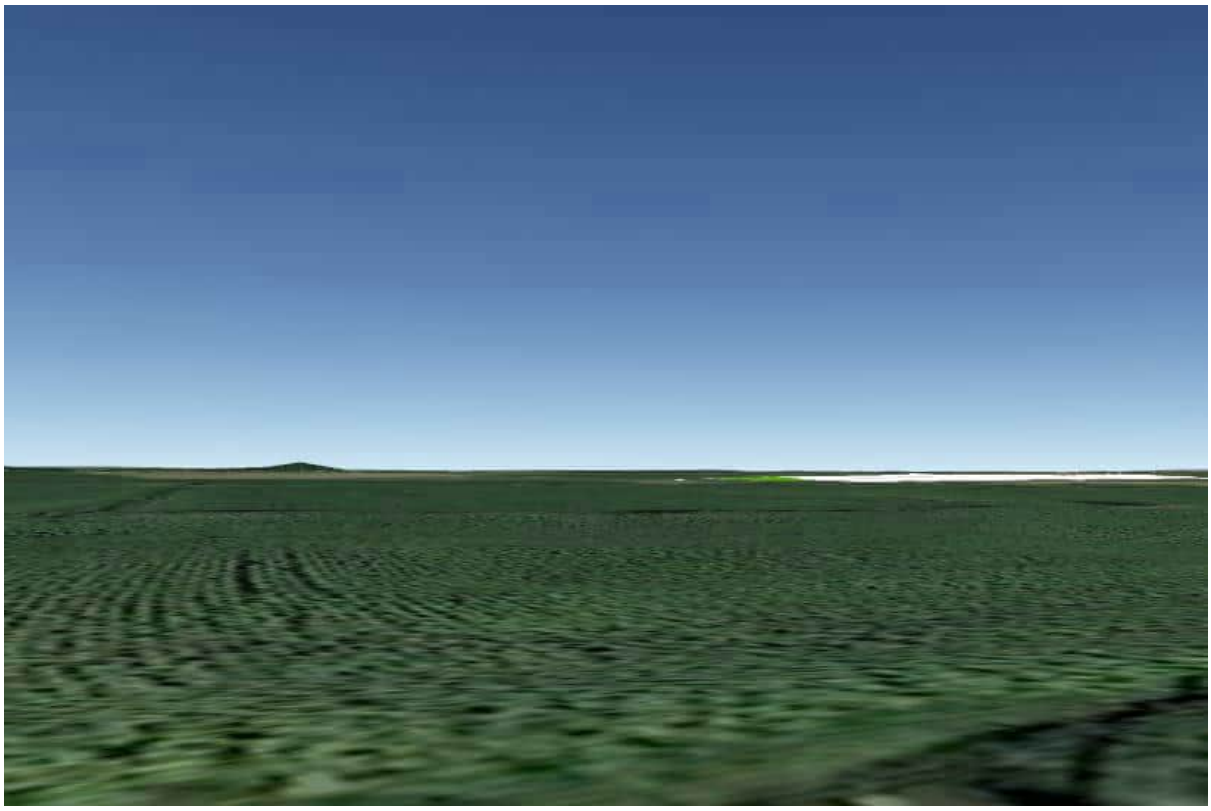


Receptor 128 (Group B Receptor 48)

Looking East

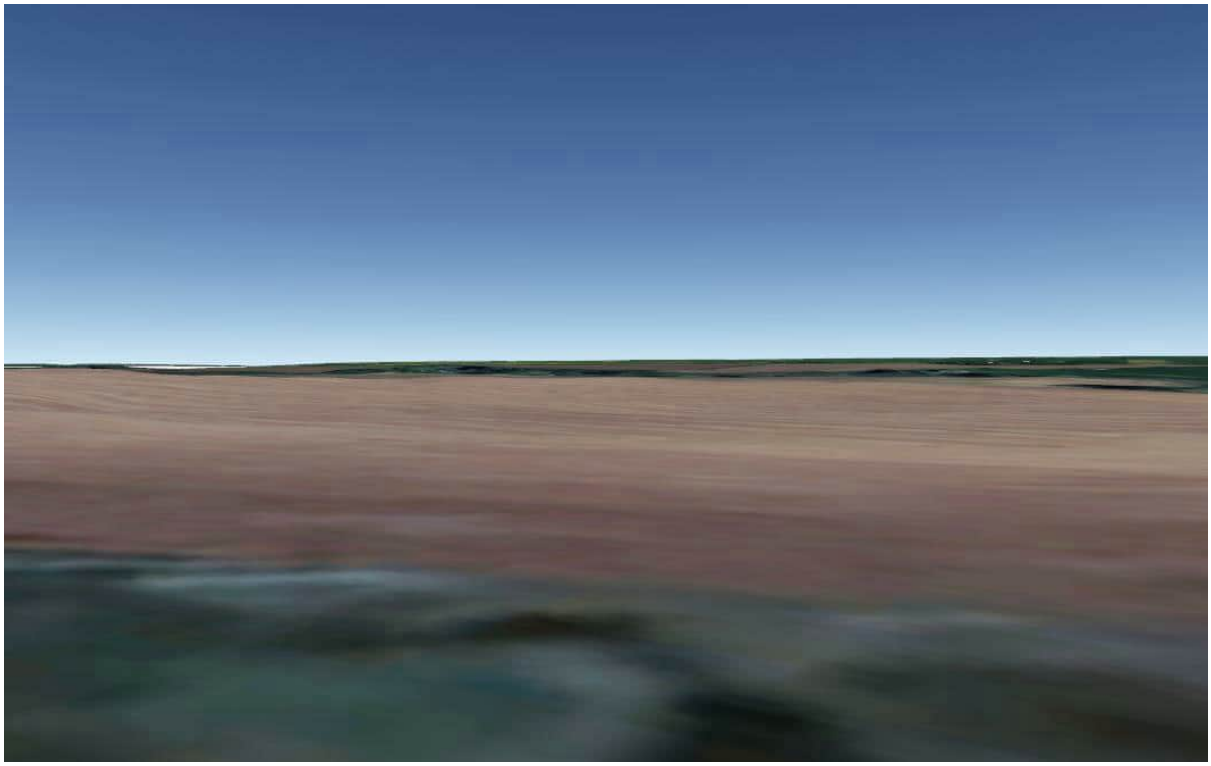


Looking West

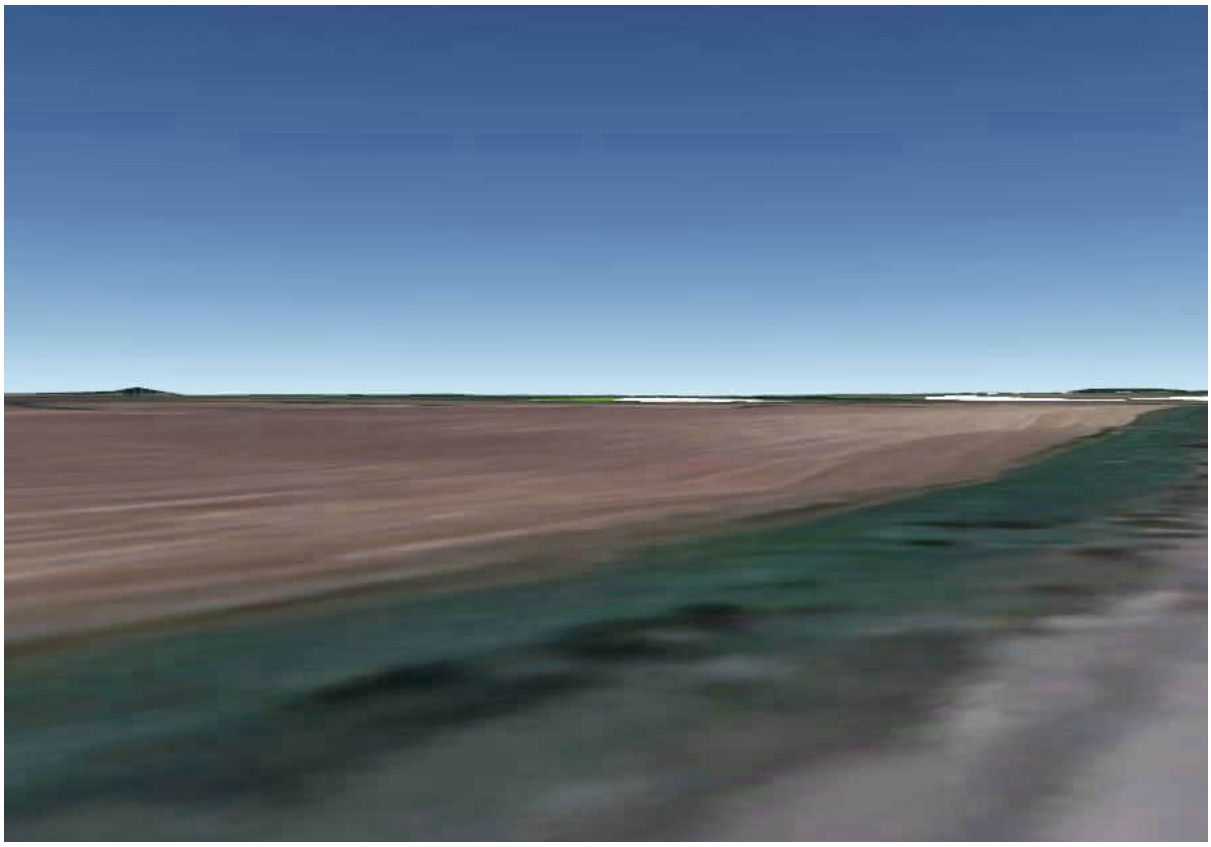


Receptor 129 (Group B Receptor 49)

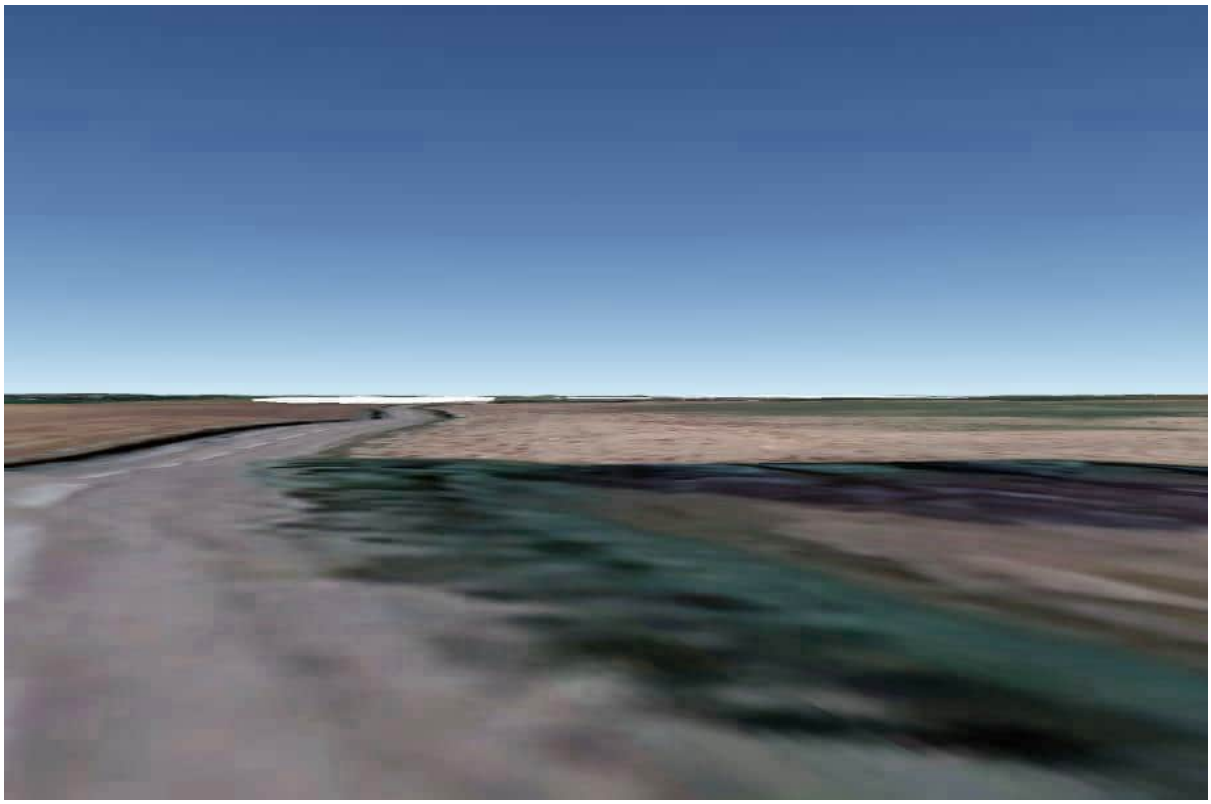
Looking East



Looking North

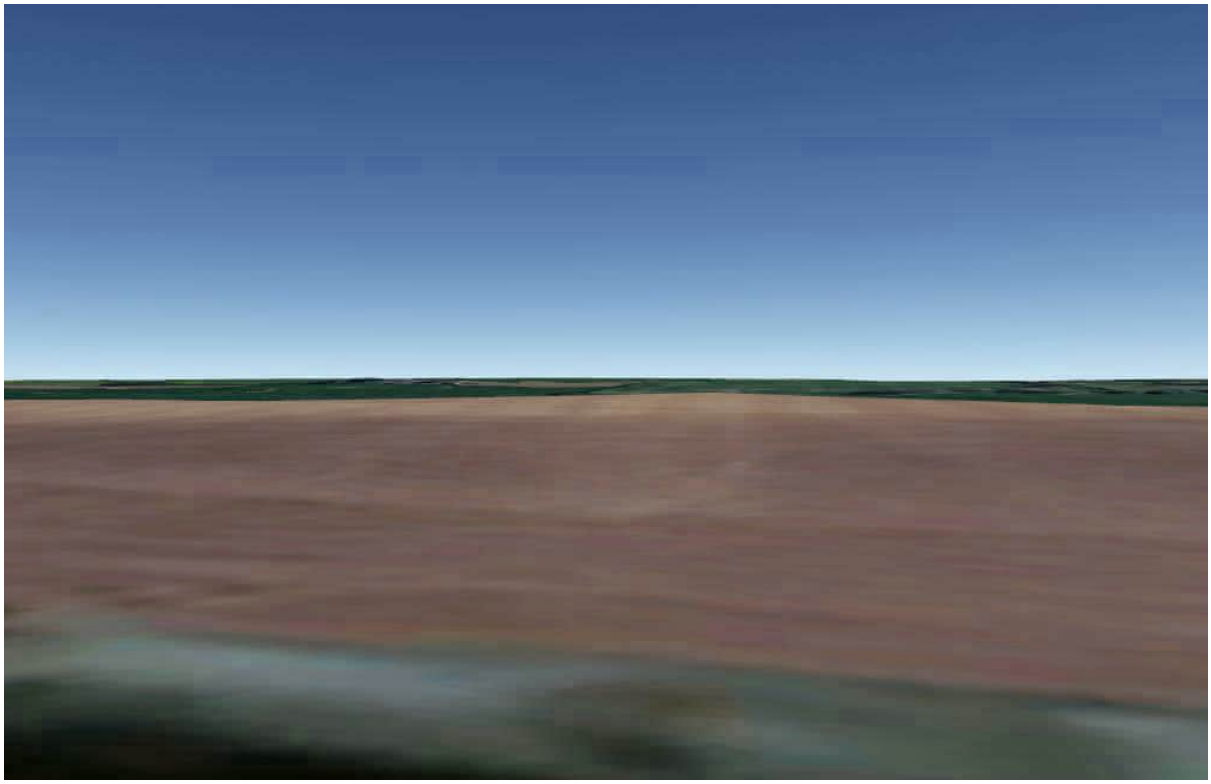


Looking South

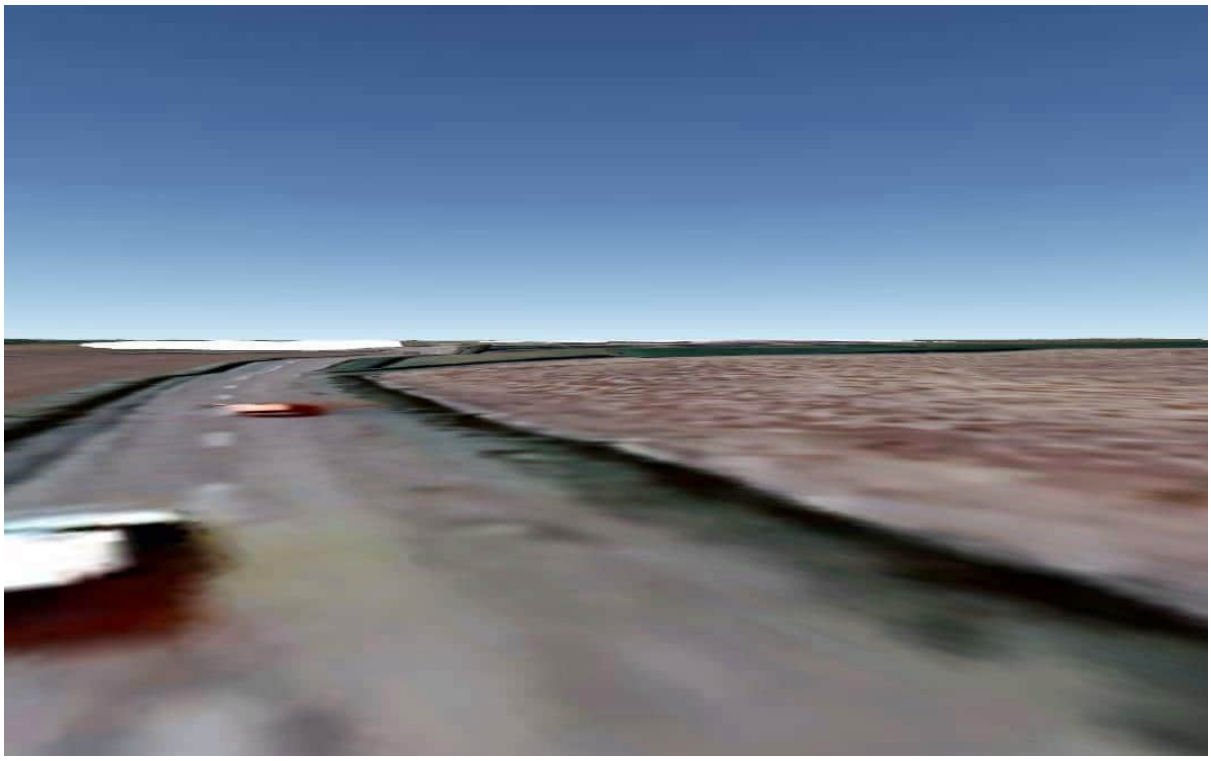


Receptor 130 (Group B Receptor 50)

Lookin East

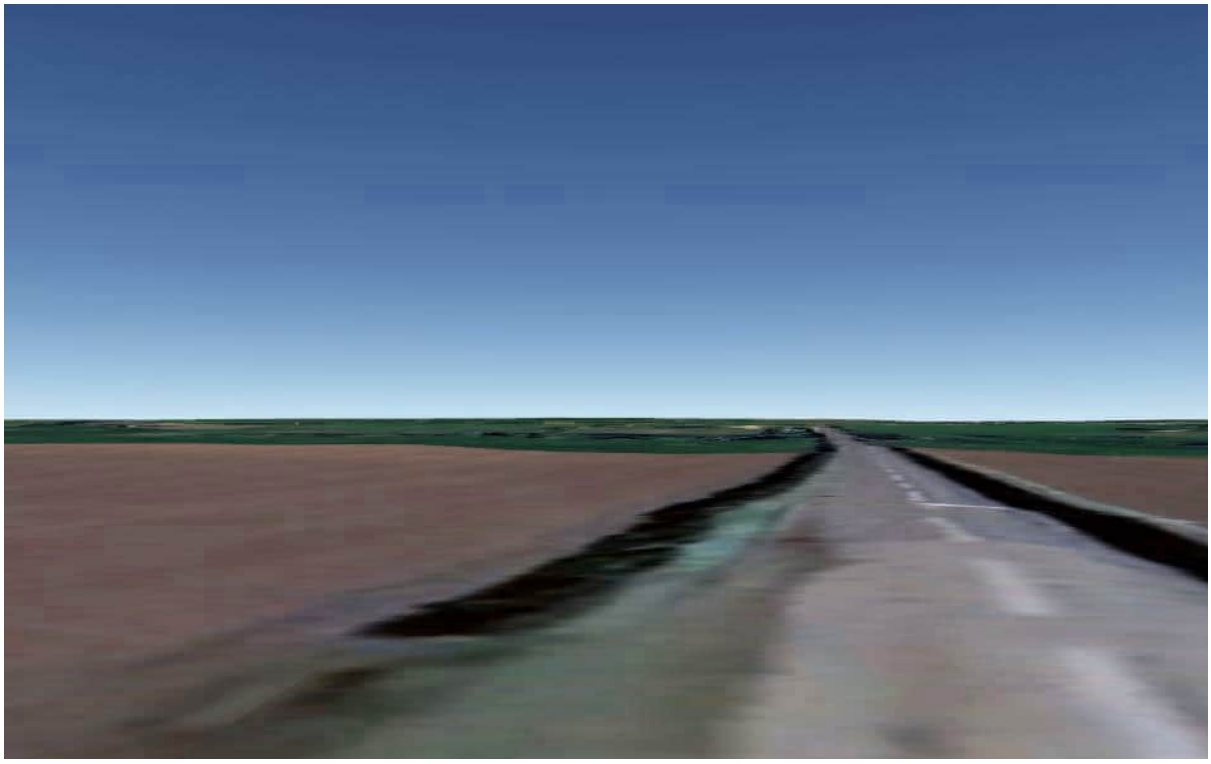


Looking South

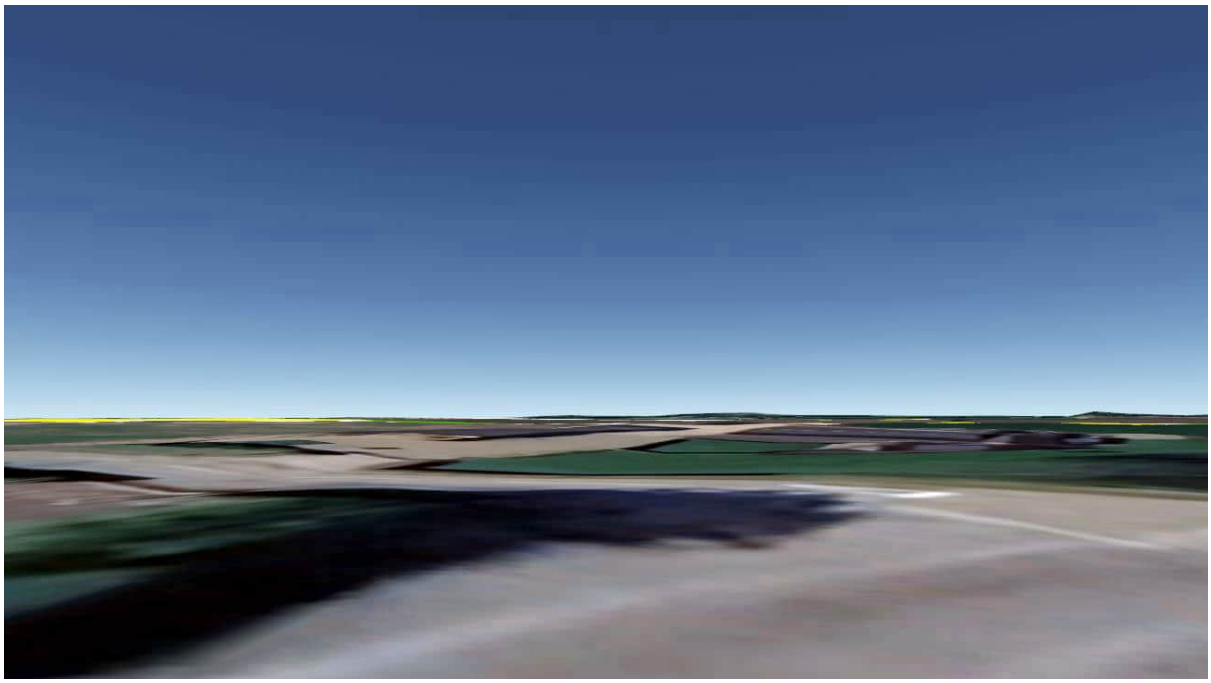


Receptor 131 (Group B Receptor 51)

Looking East

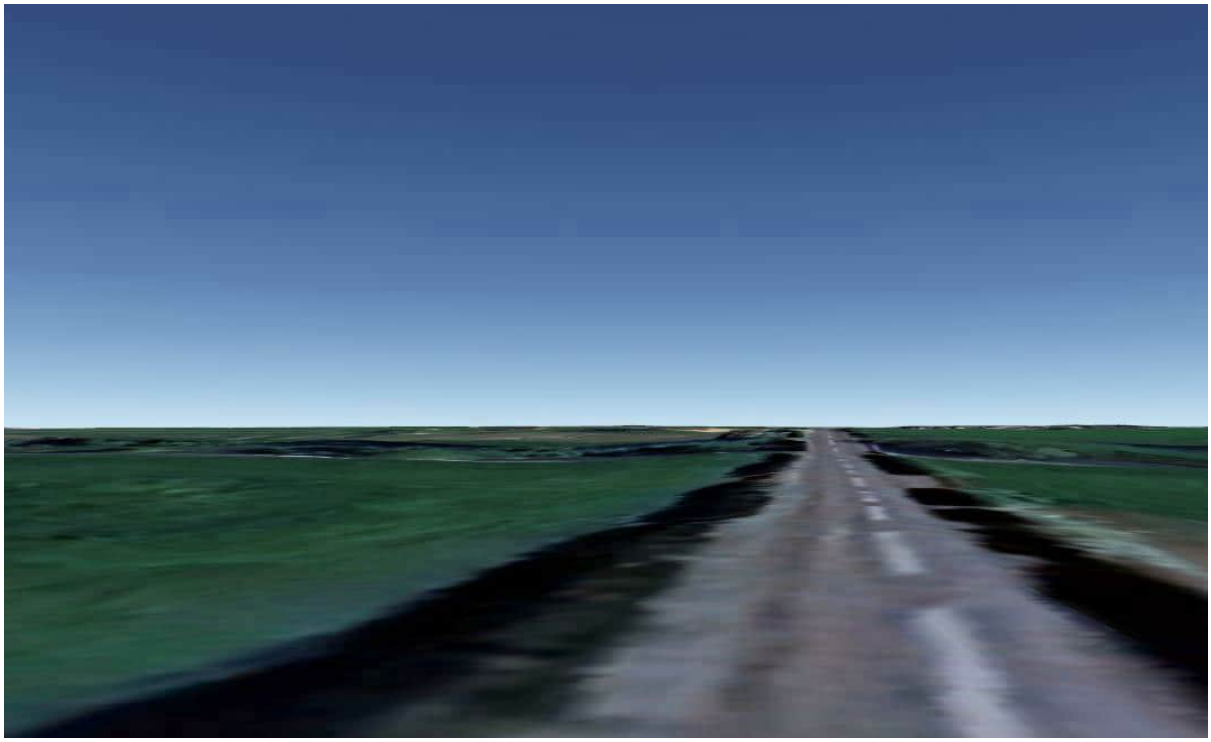


Looking West

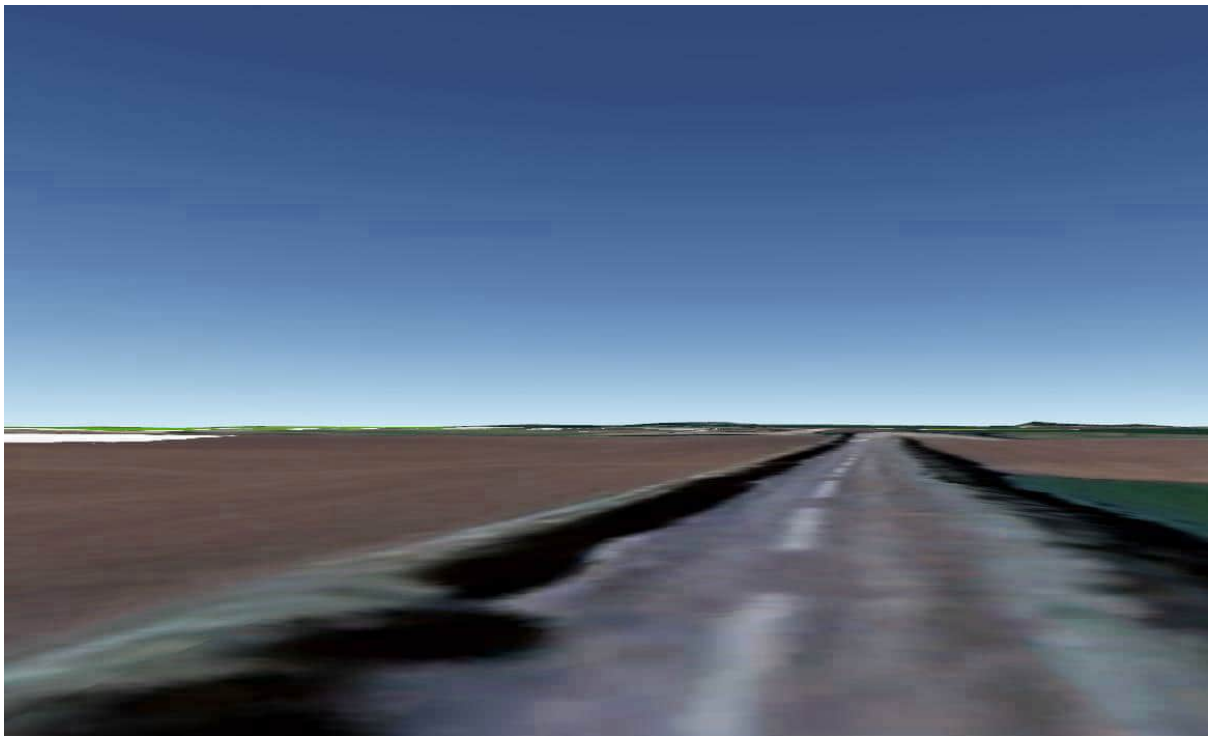


Receptor 132 (Group B Receptor 52)

Looking East

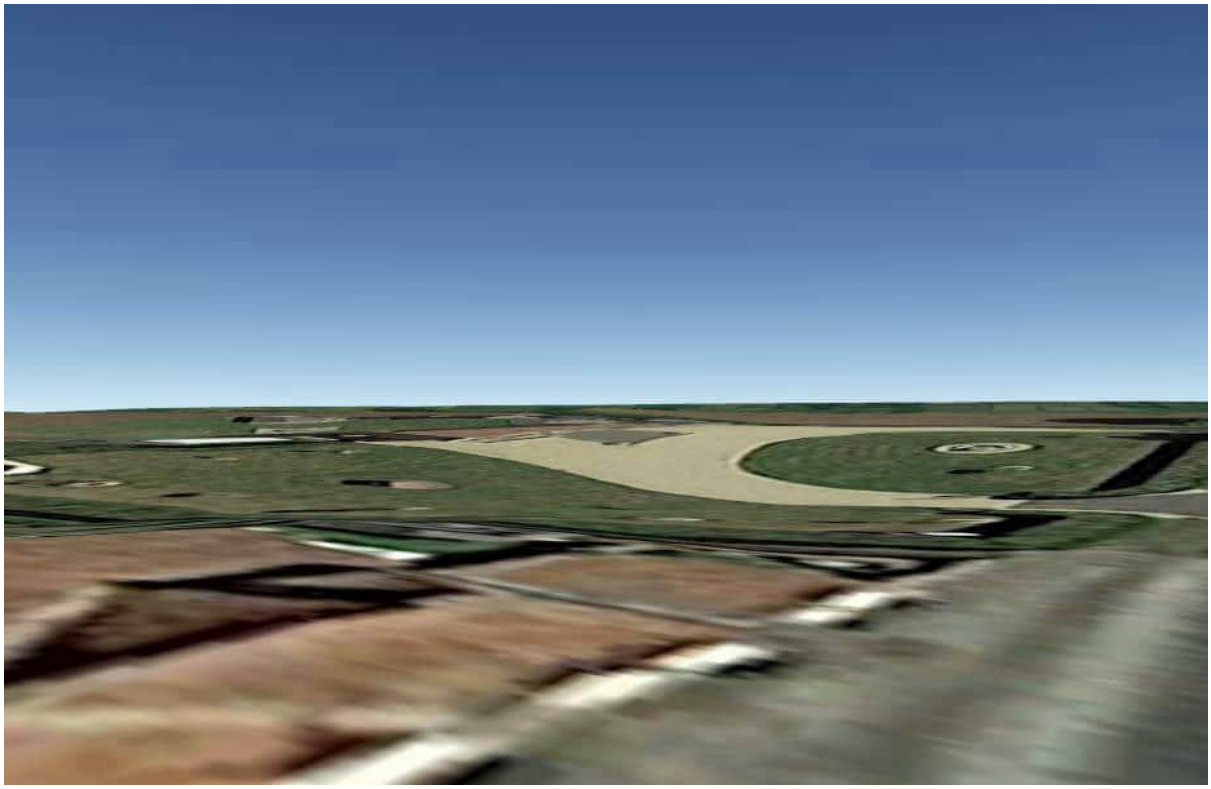


Looking West

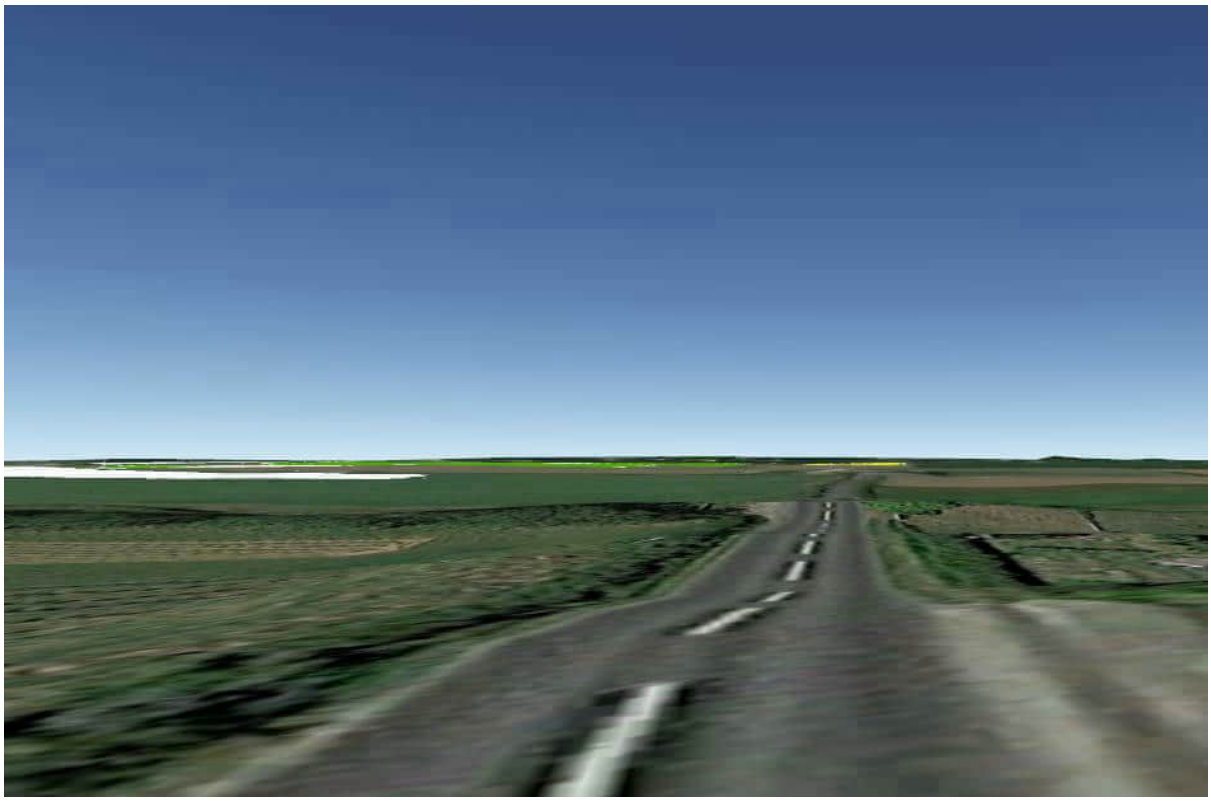


Receptor 133 (Group B Receptor 53)

Looking East

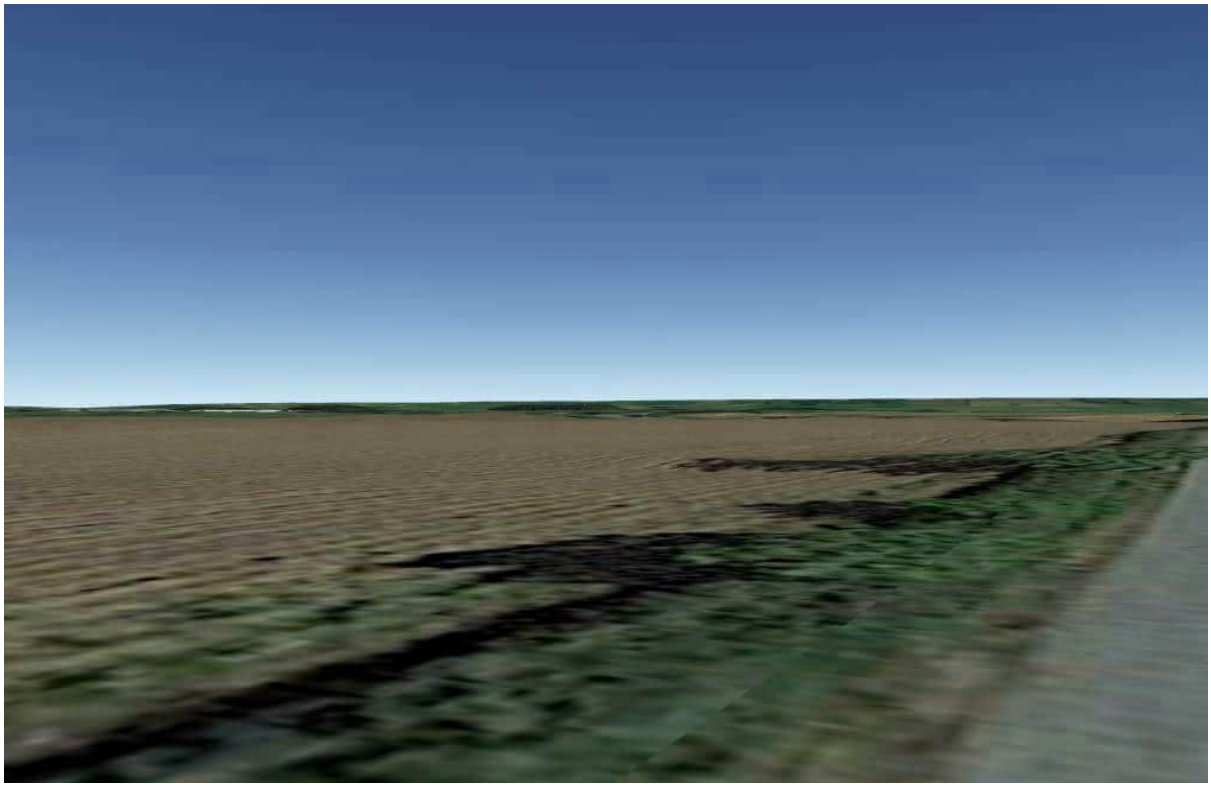


Looking West

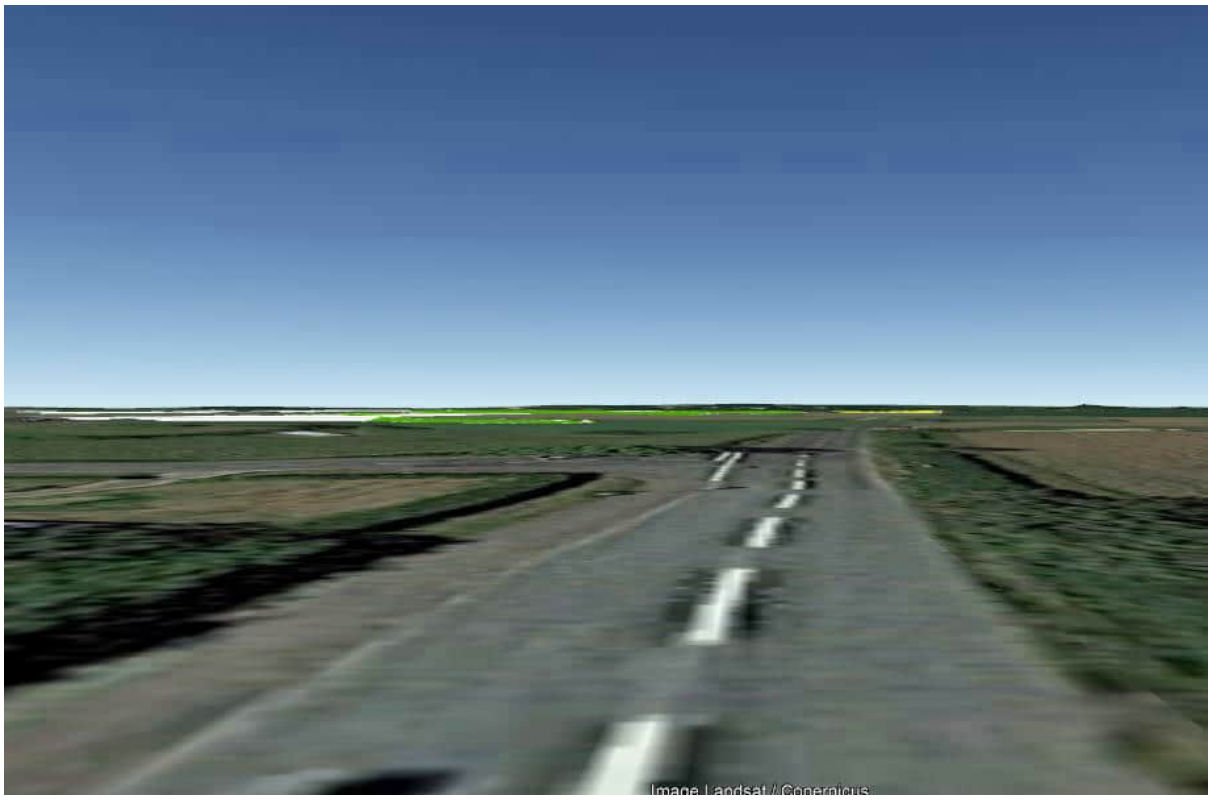


Receptor 134 (Group B Receptor 54)

Looking East

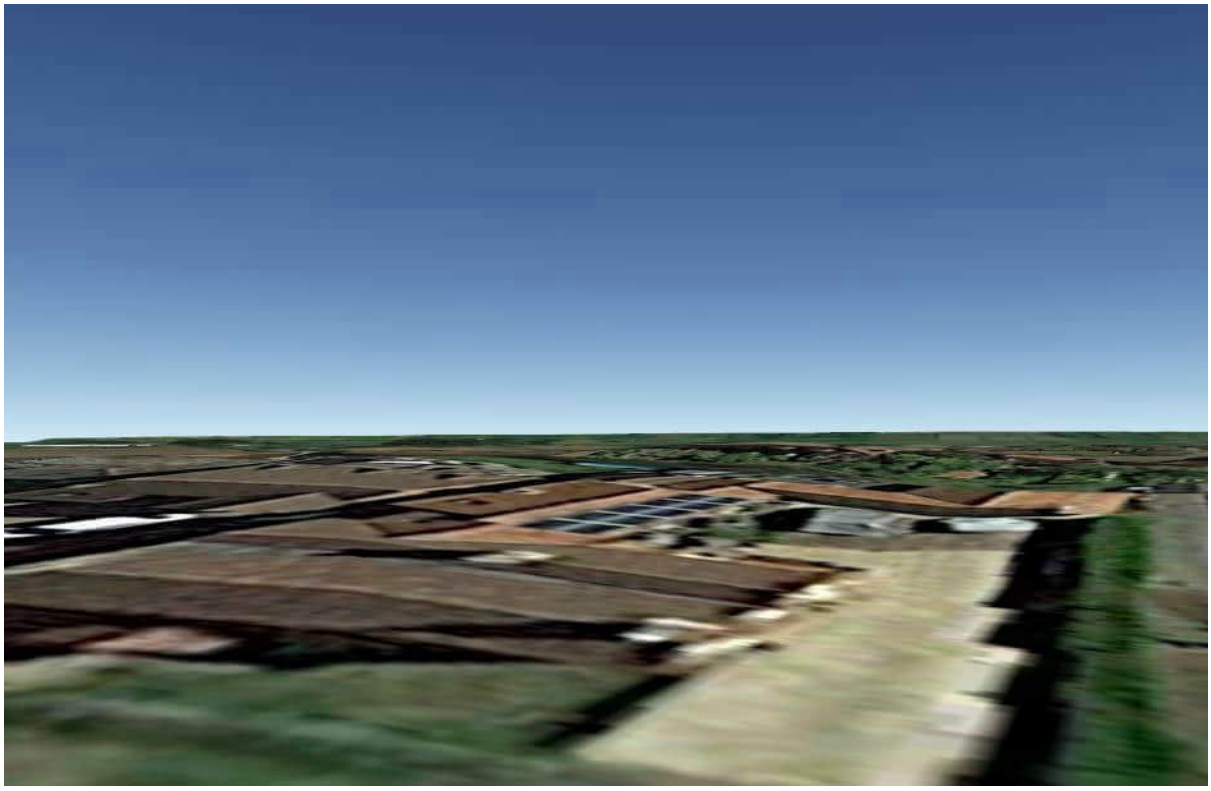


Looking West

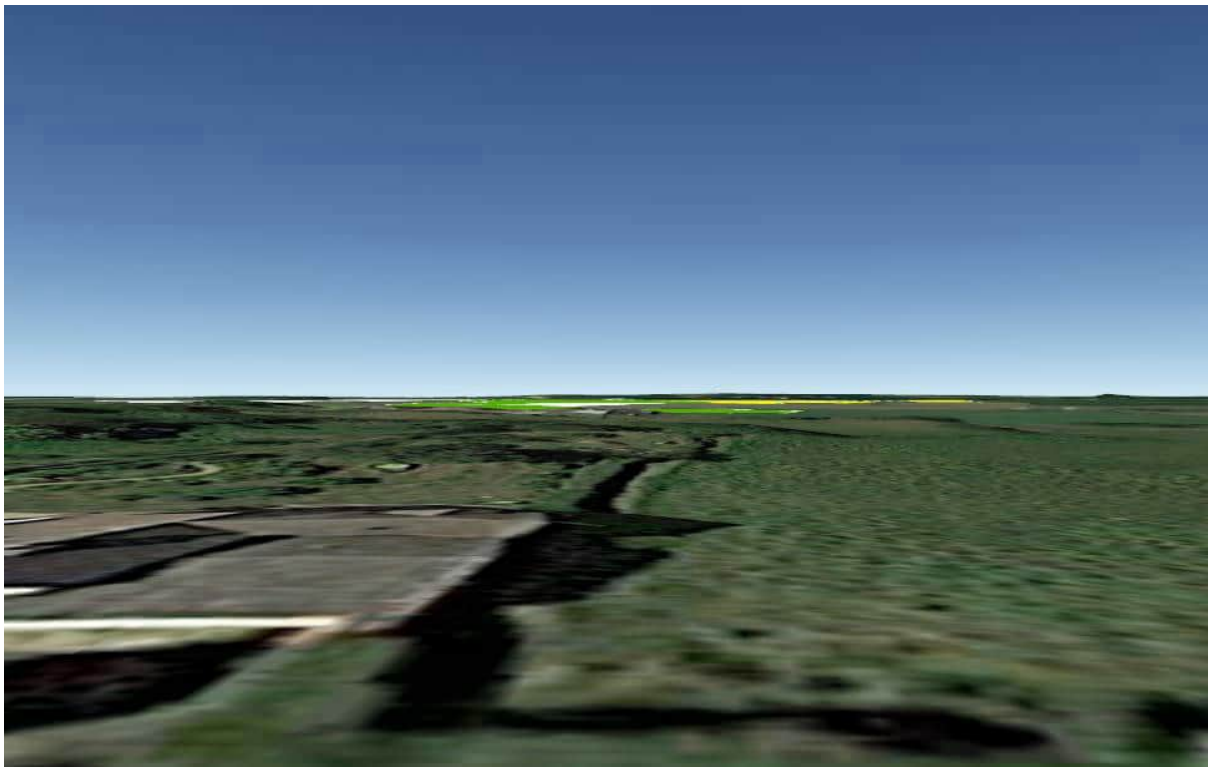


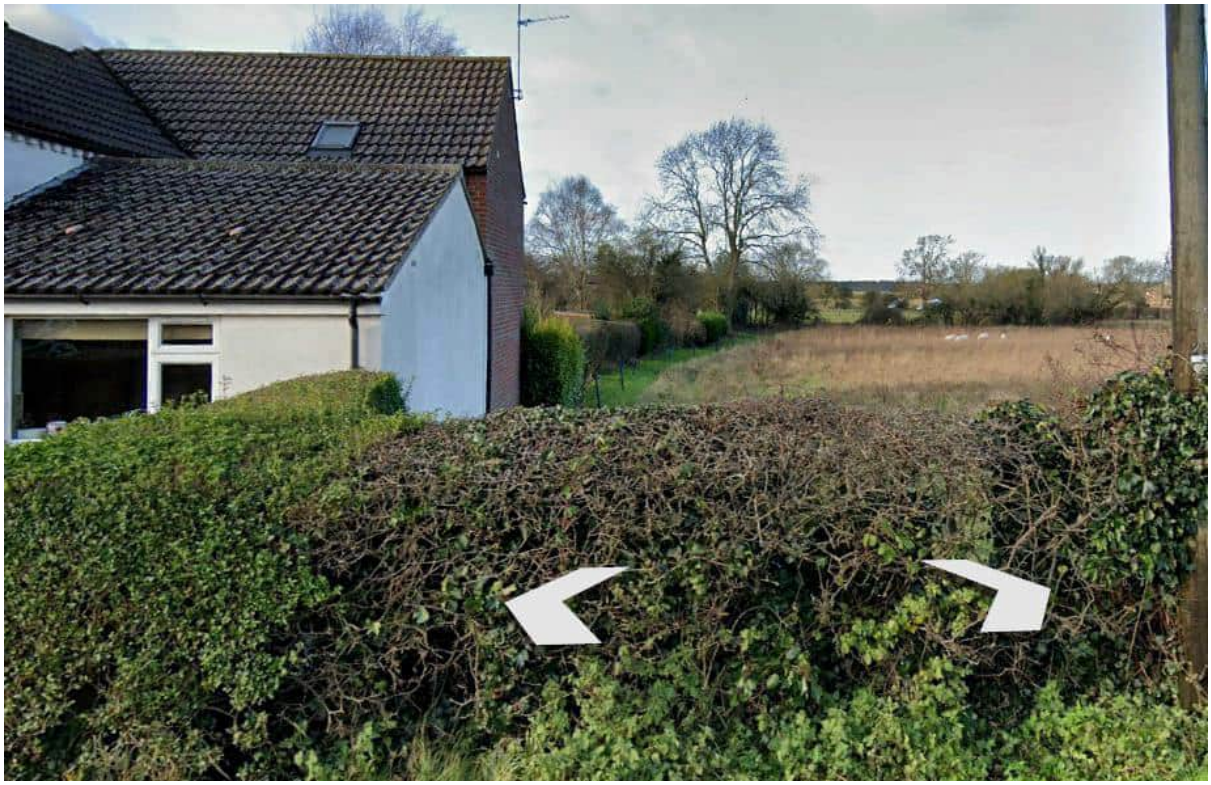
Receptor 135 (Group B Receptor 55)

Looking East

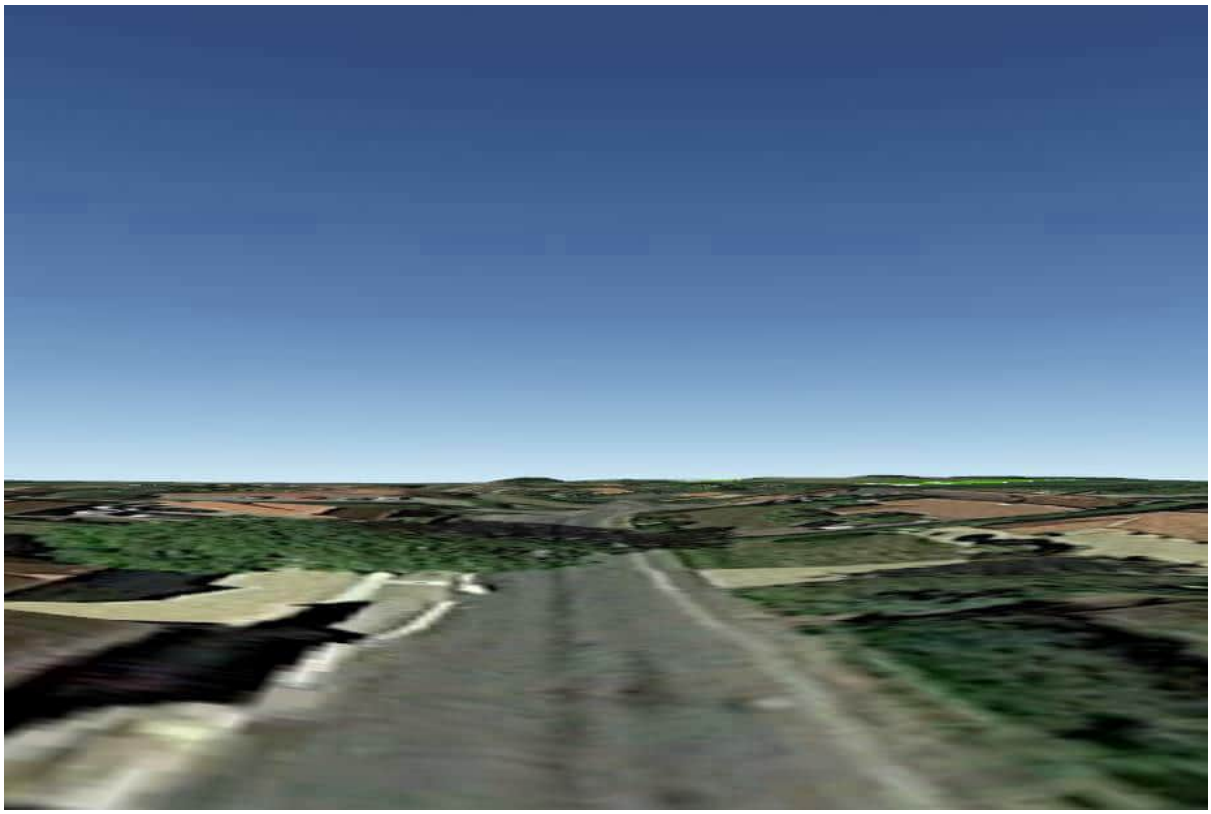


Looking West

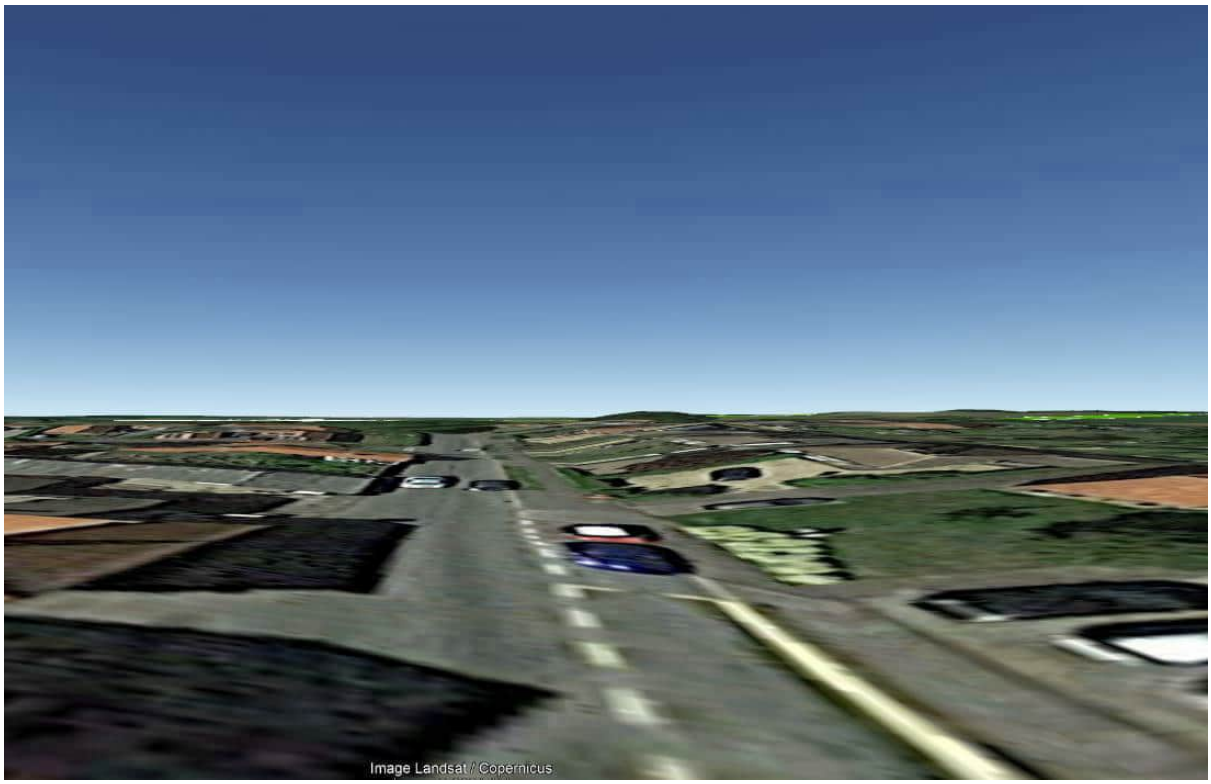




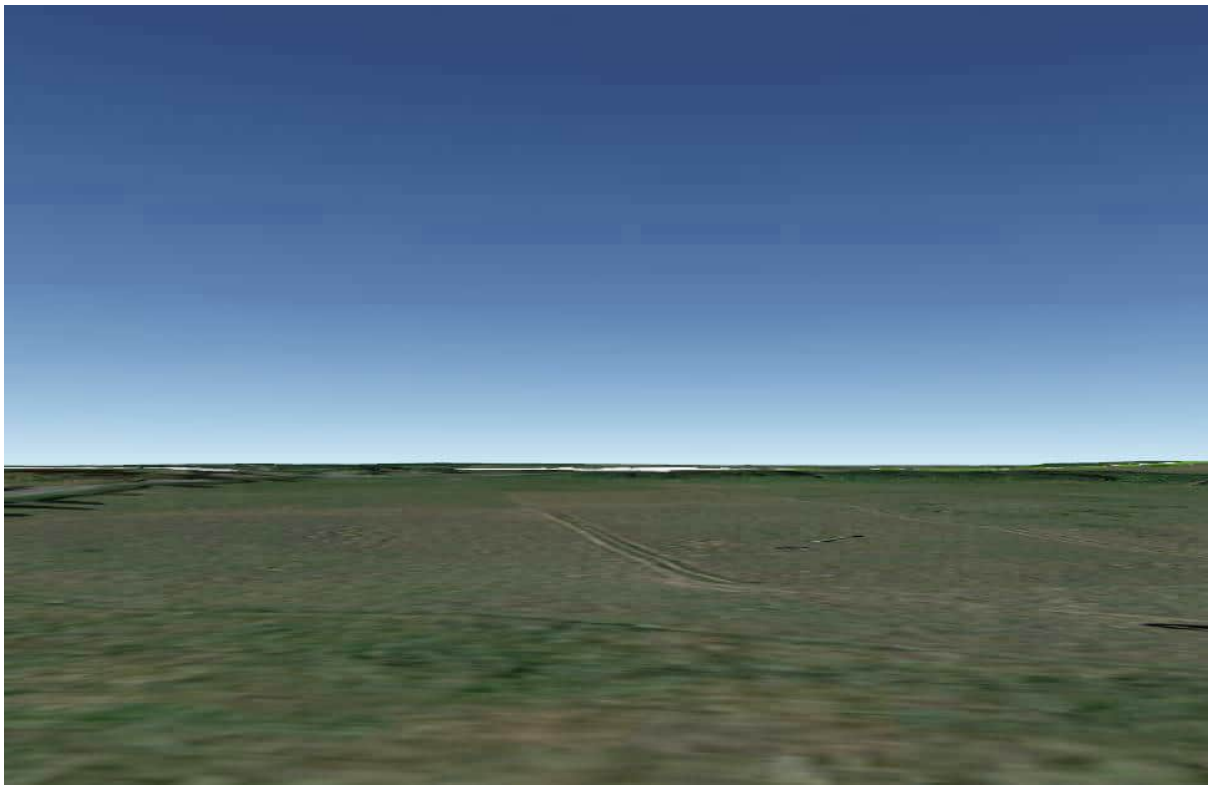
Receptor 136 (Group B Receptor 56)



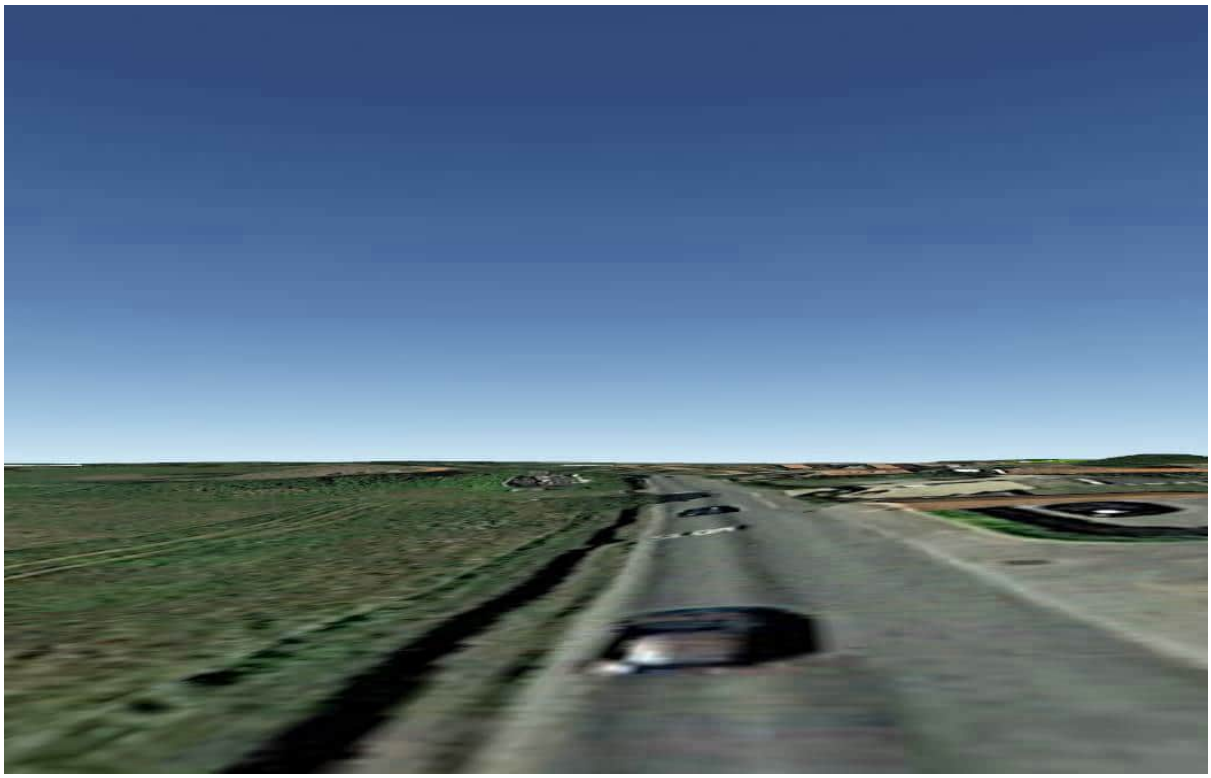
Receptor 137 (Group B Receptor 57)



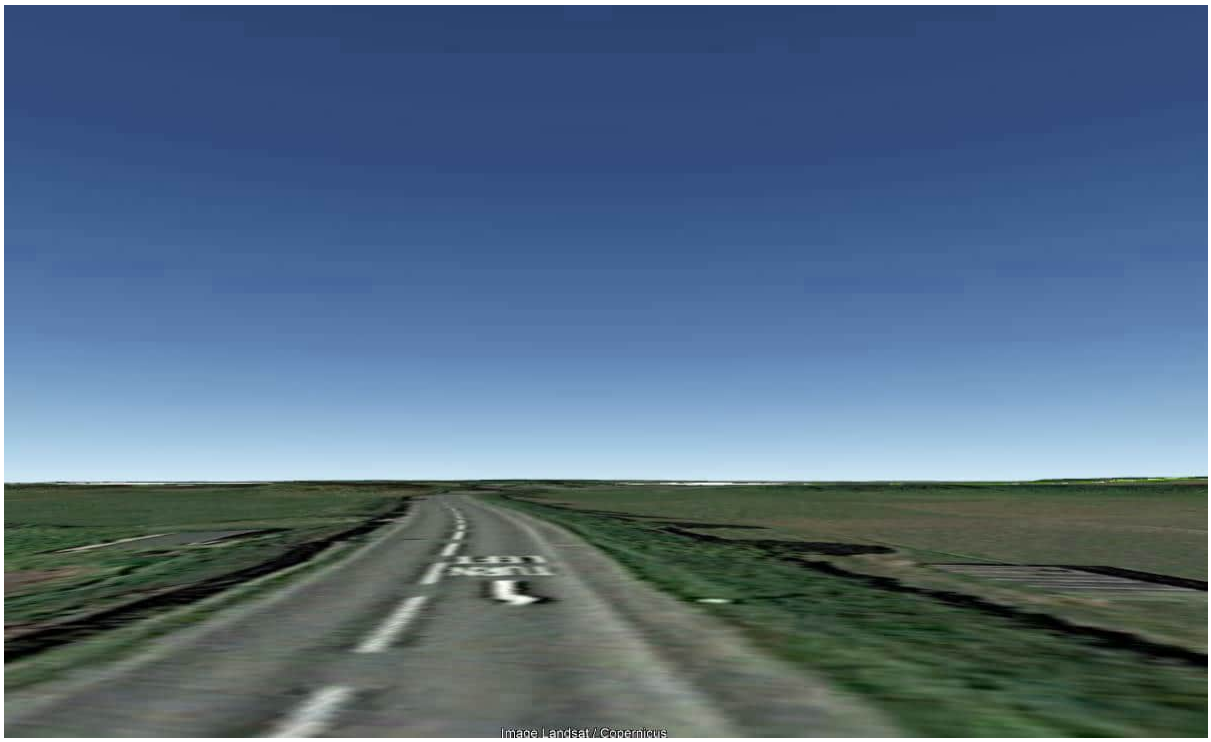
Receptor 138 (Group B Receptor 58)



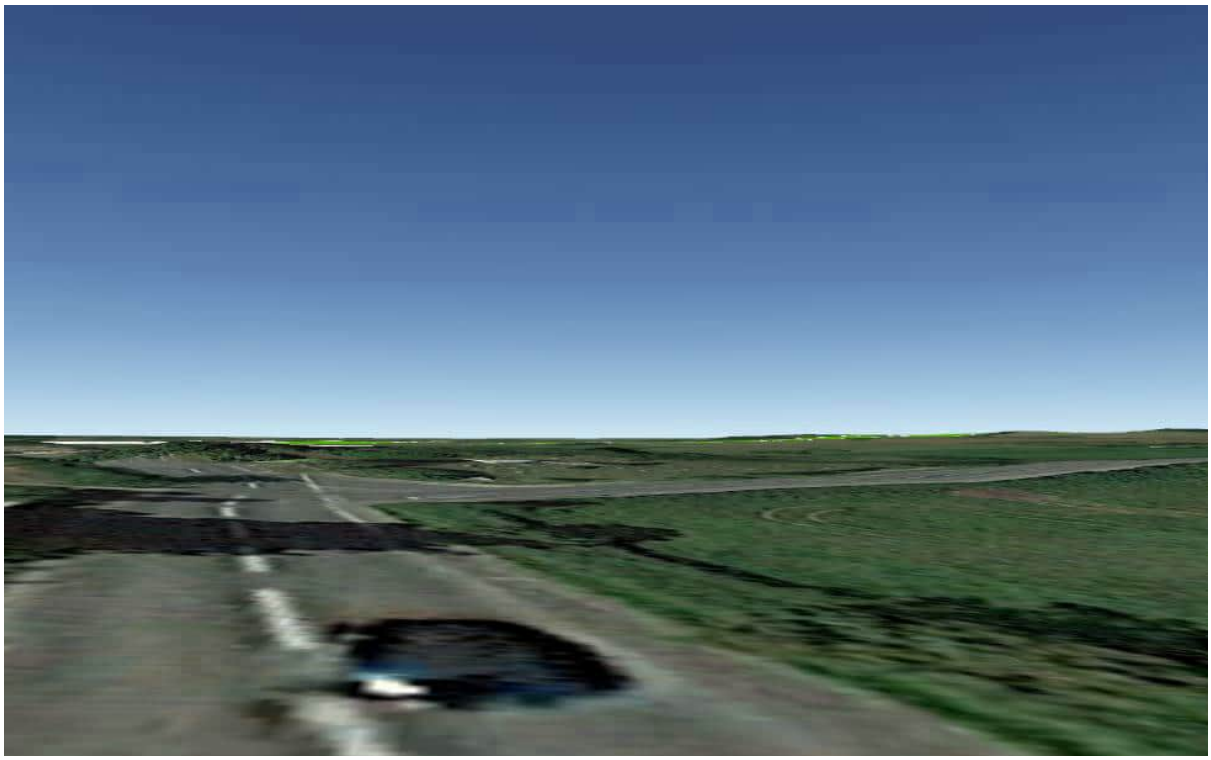
Receptor 139 (Group B Receptor 59)



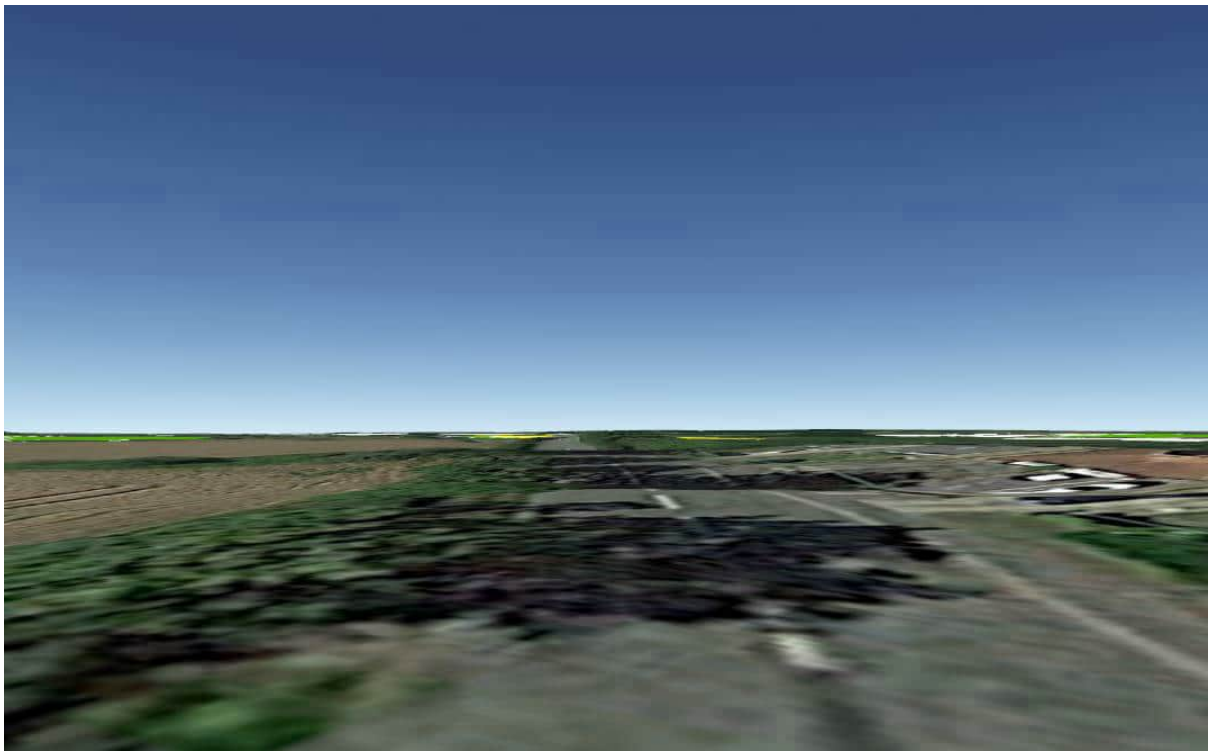
Receptor 140 (Group B Receptor 60)



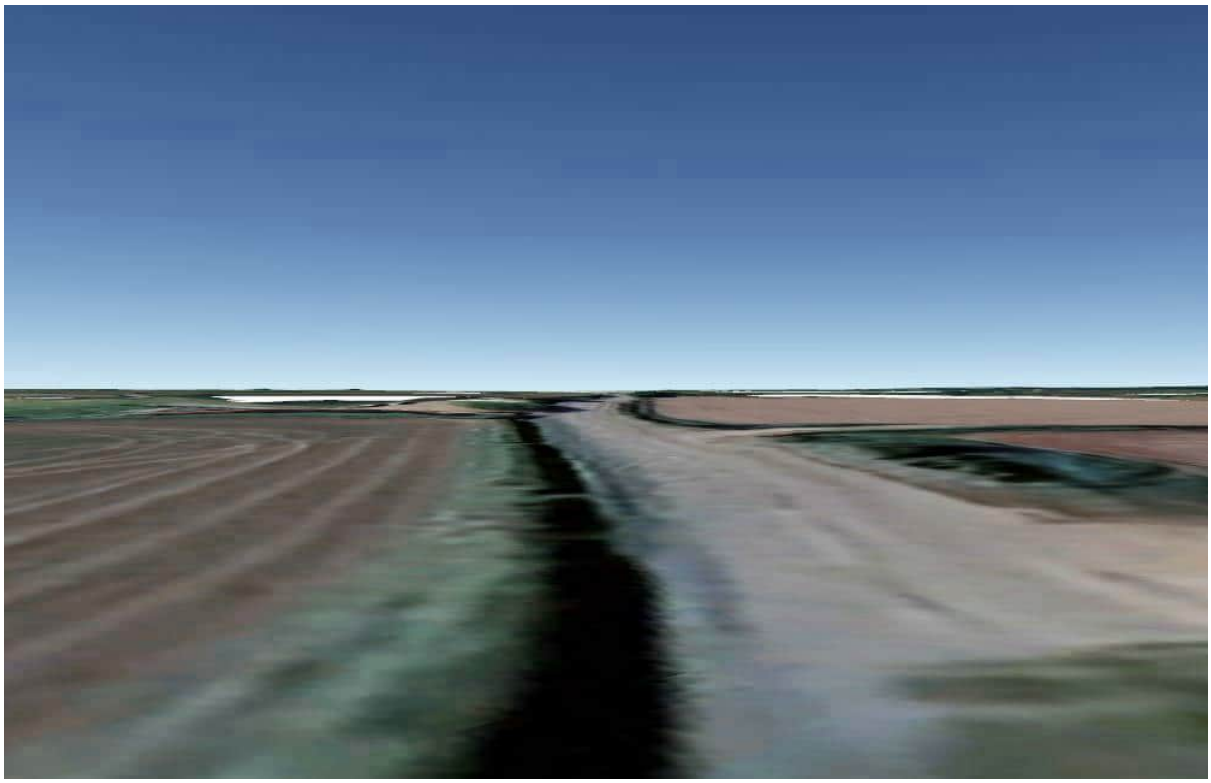
Receptor 141 (Group B Receptor 61)



Receptor 142 (Group B Receptor 62)

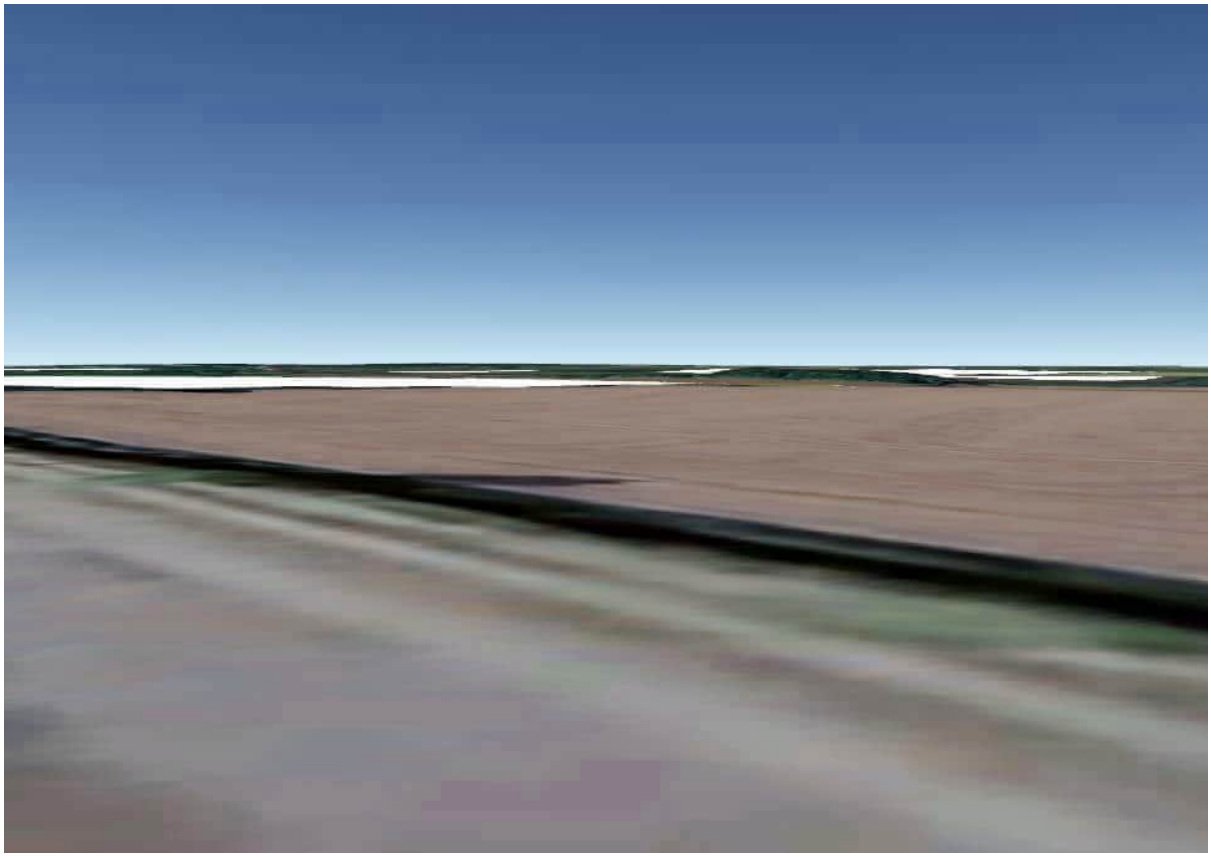


Receptor 143 (Group B Receptor 63)

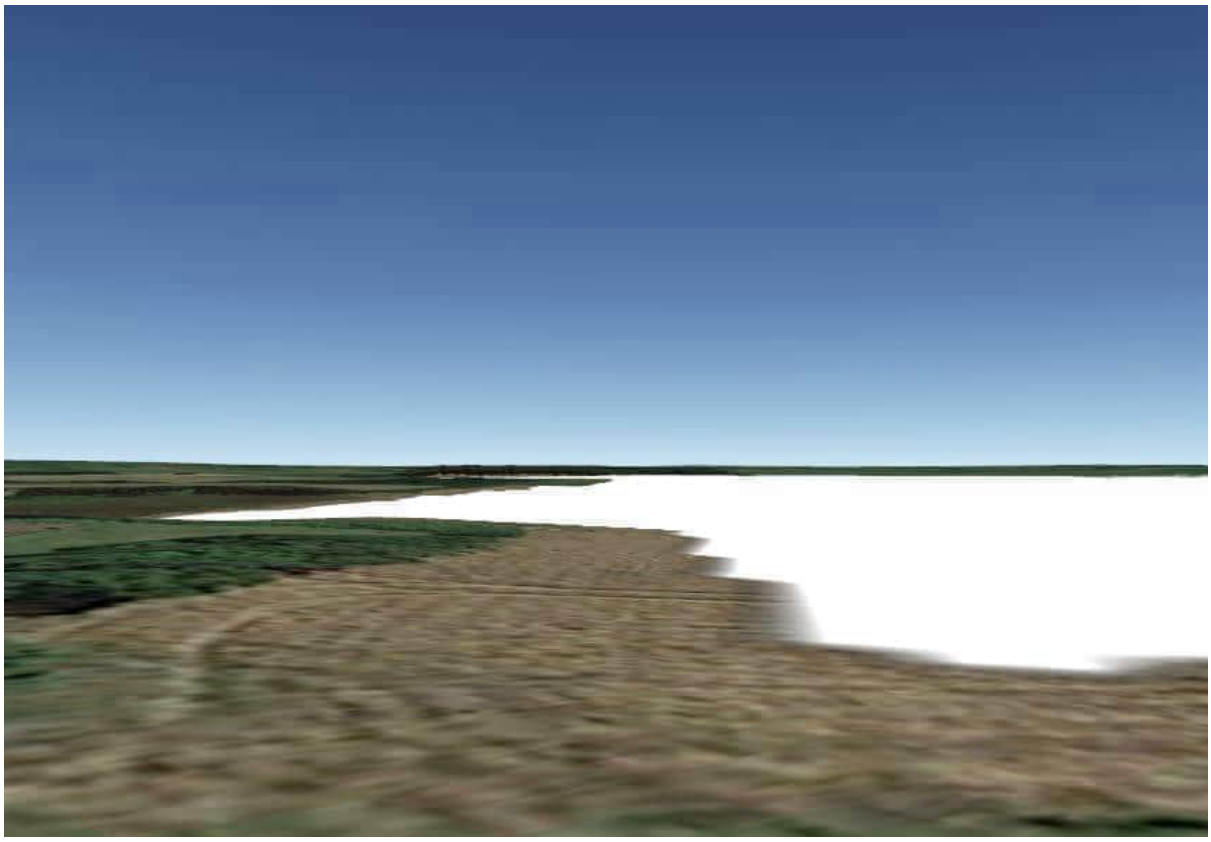


Receptor 144 (Group B Receptor 64)

Looking West

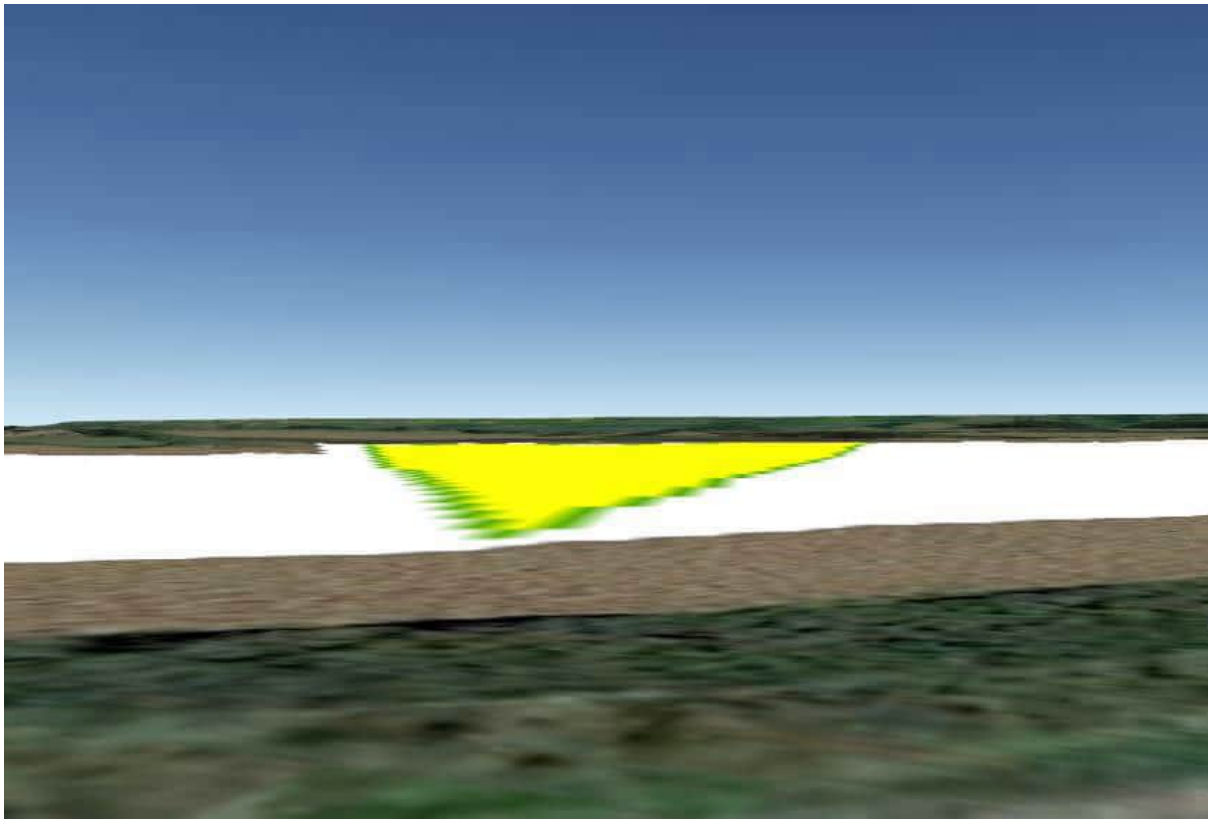


Looking South

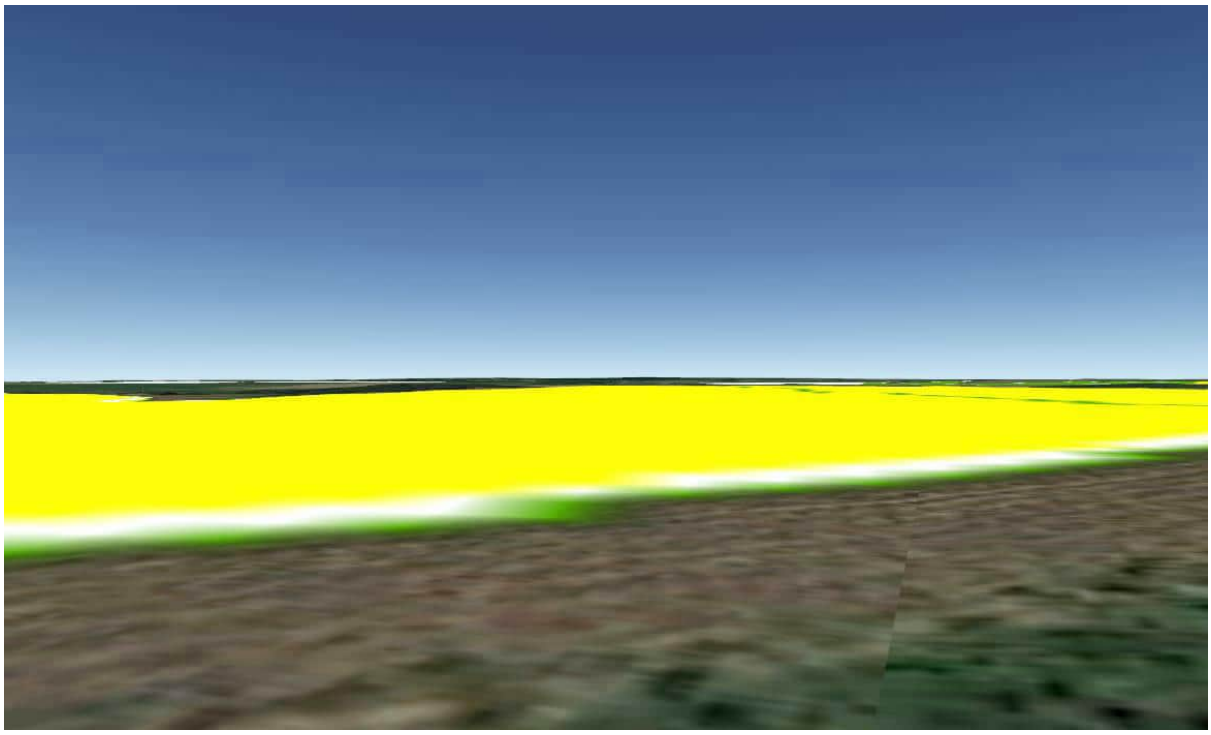


Receptor 145 (Group B Receptor 65)

Looking East

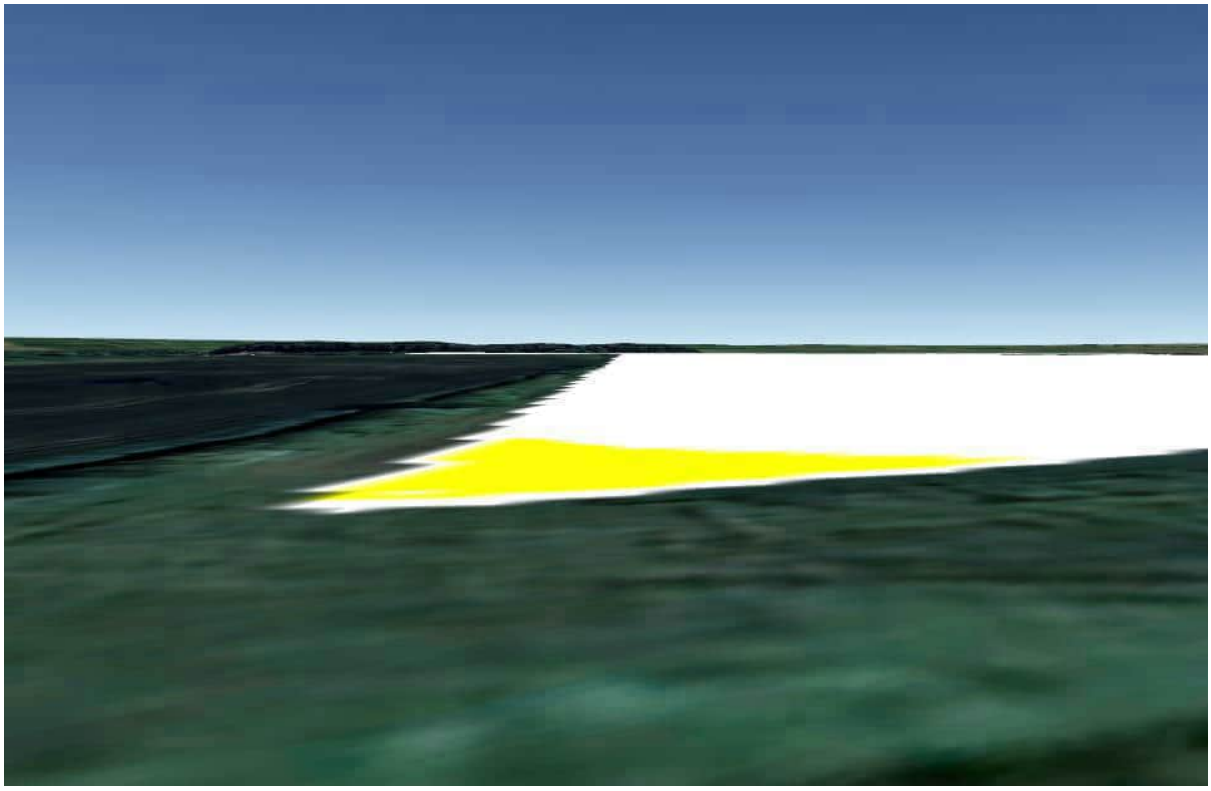


Looking West

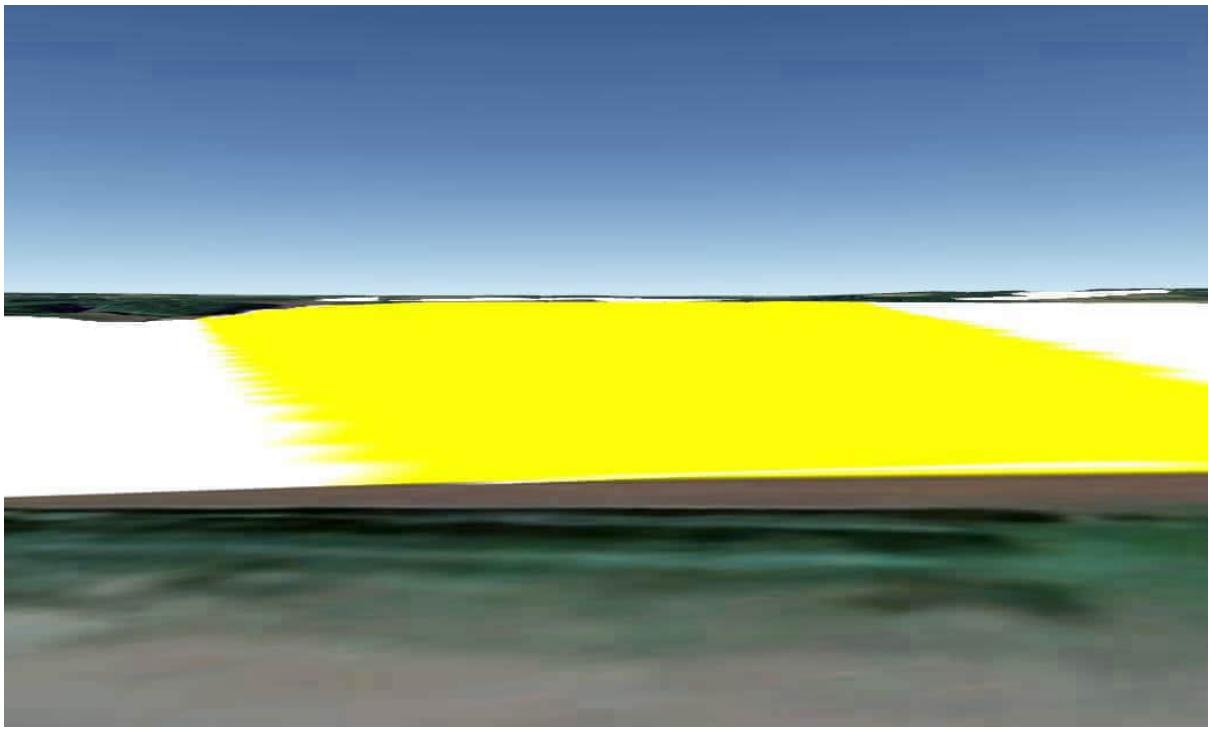


Receptor 146 (Group B Receptor 66)

Looking East

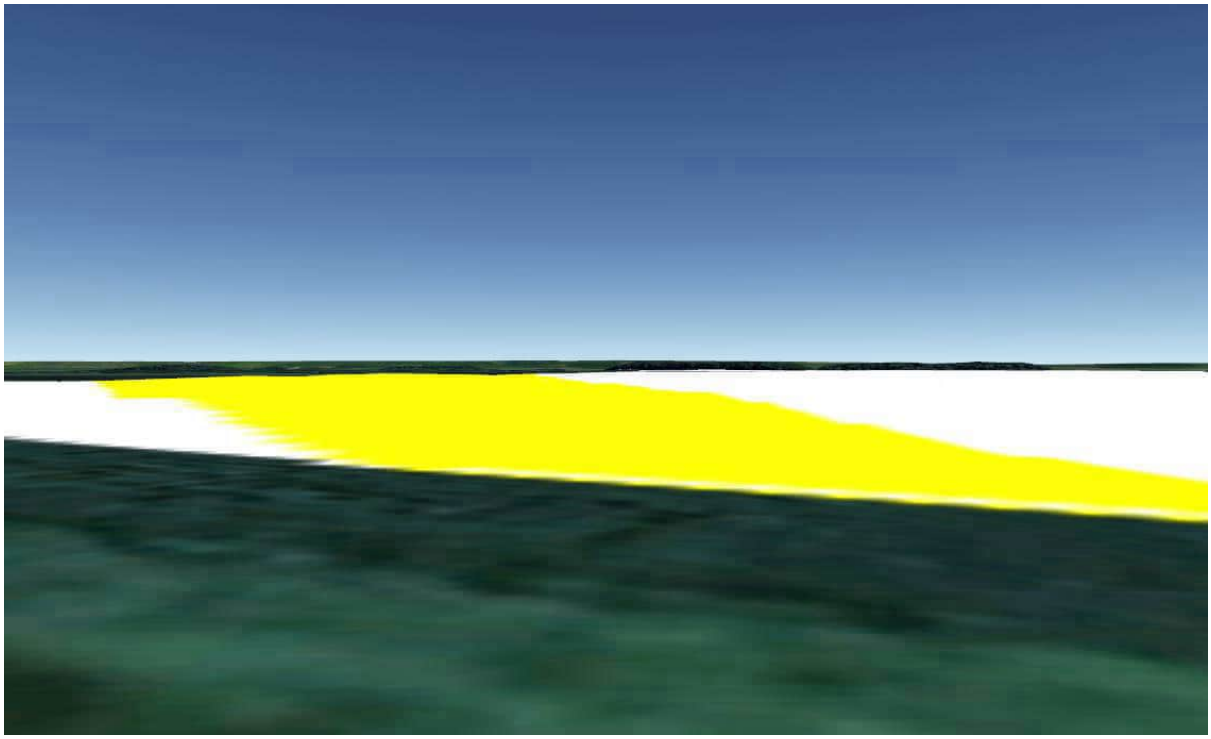


Looking West

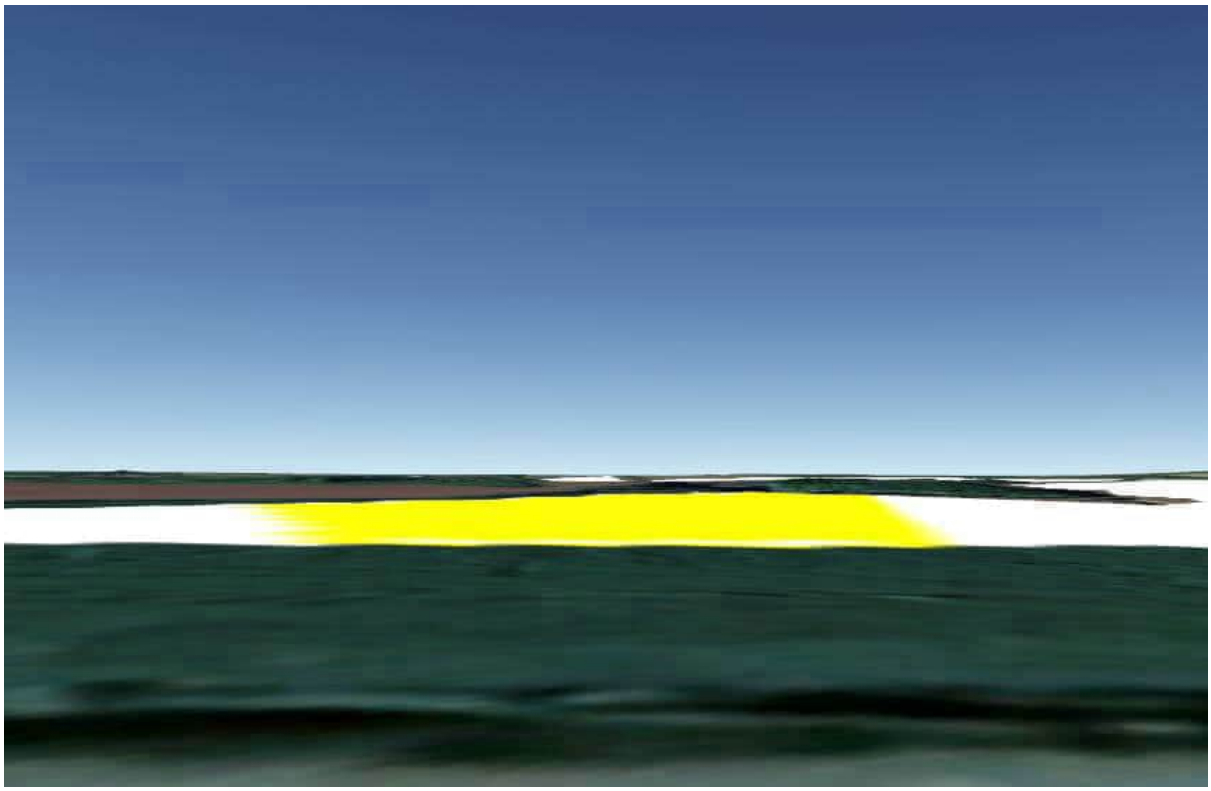


Receptor 147 (Group B Receptor 67)

Looking East

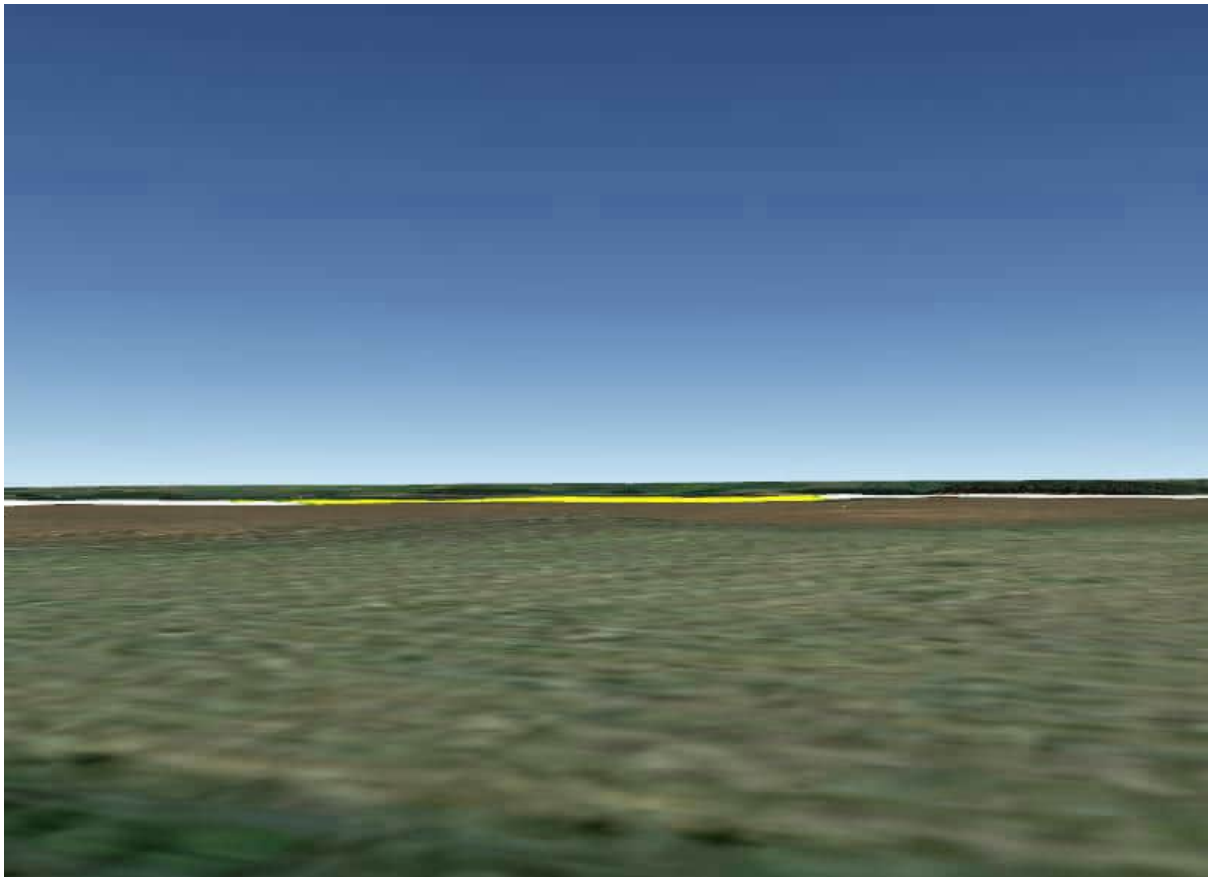


Looking West

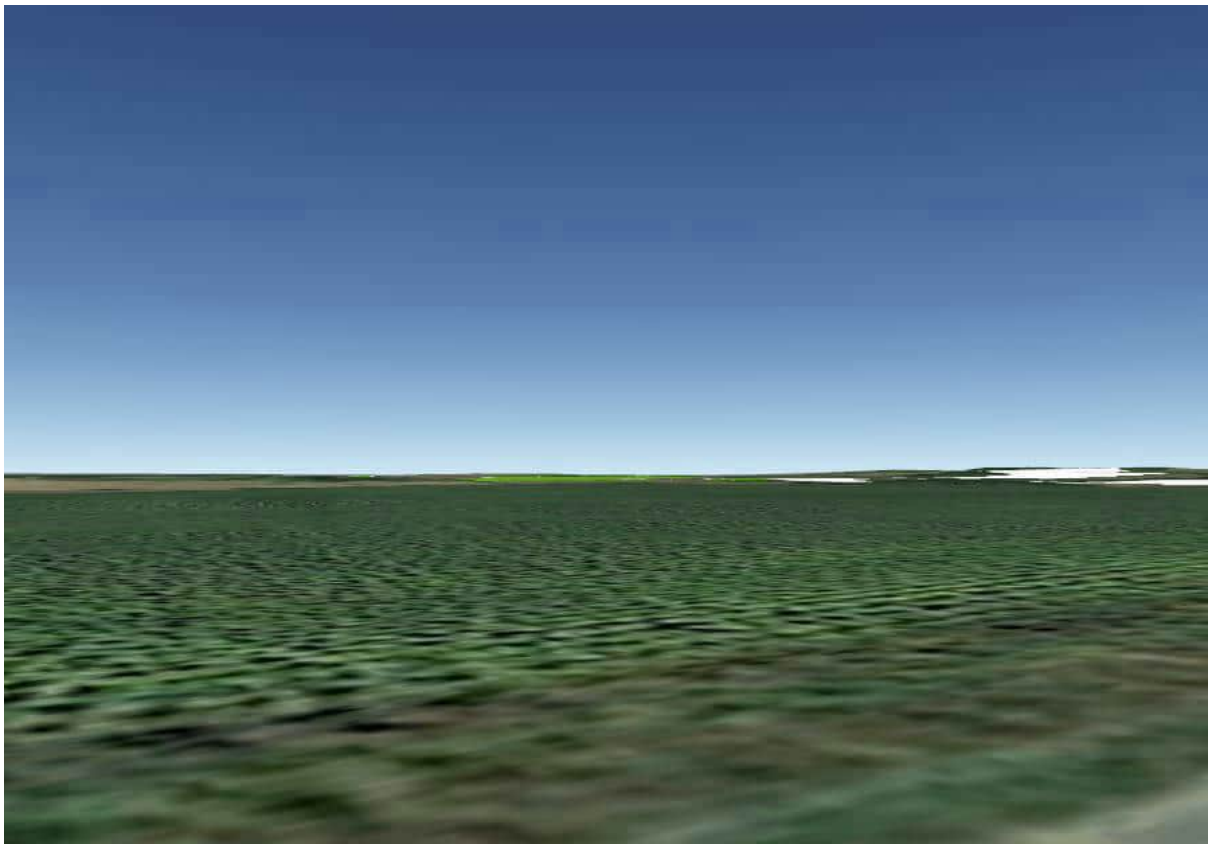


Receptor 148 (Group B Receptor 68)

Looking East

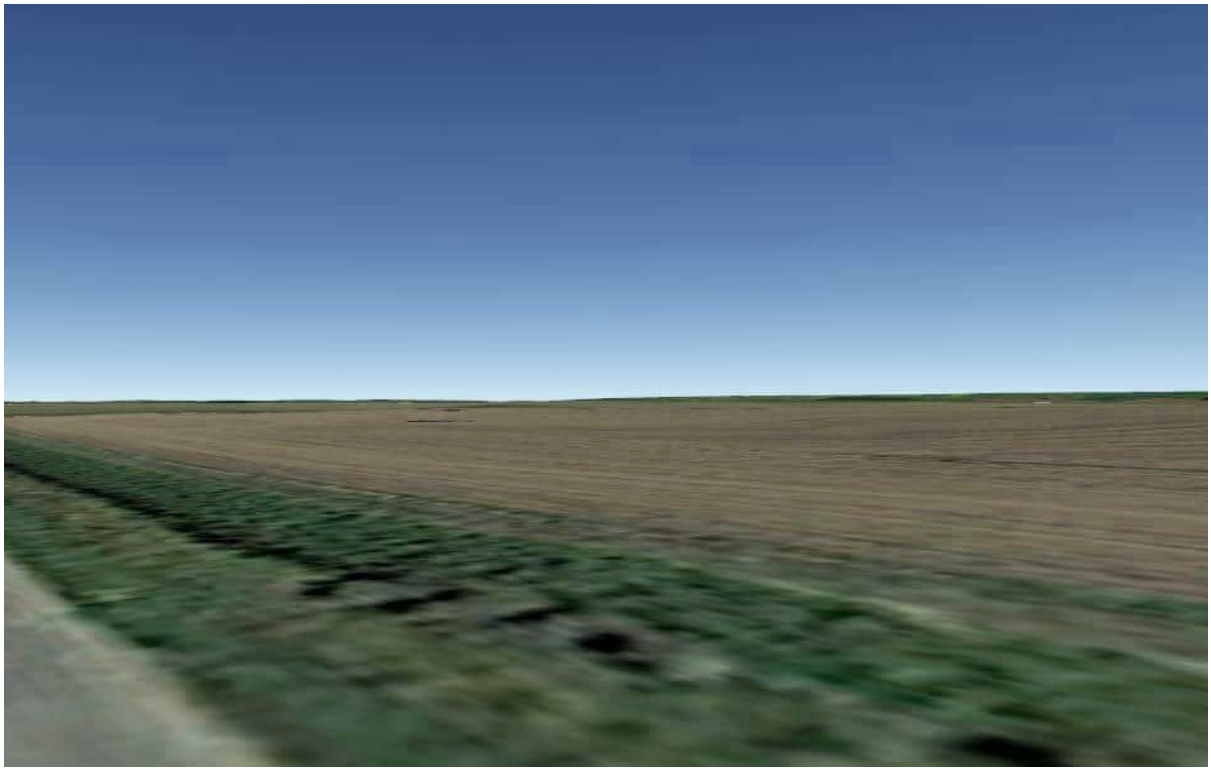


Looking West

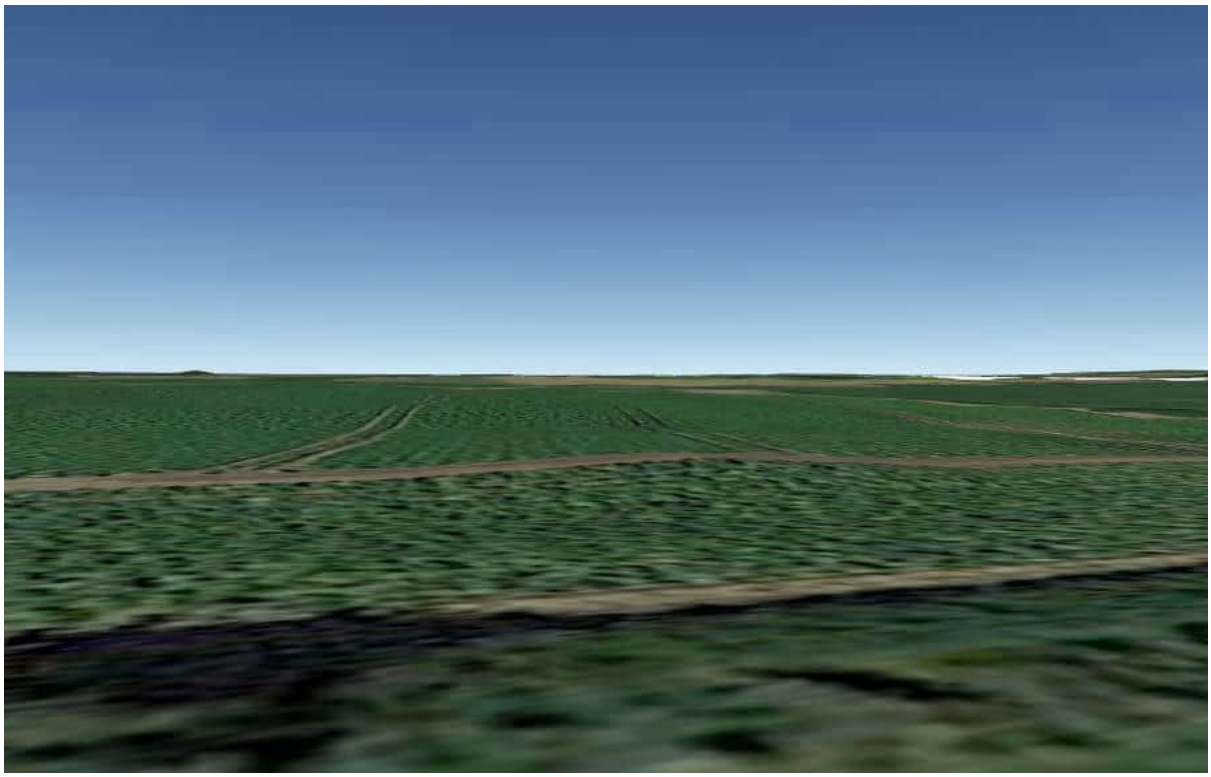


Receptor 149 (Group B Receptor 69)

Looking East

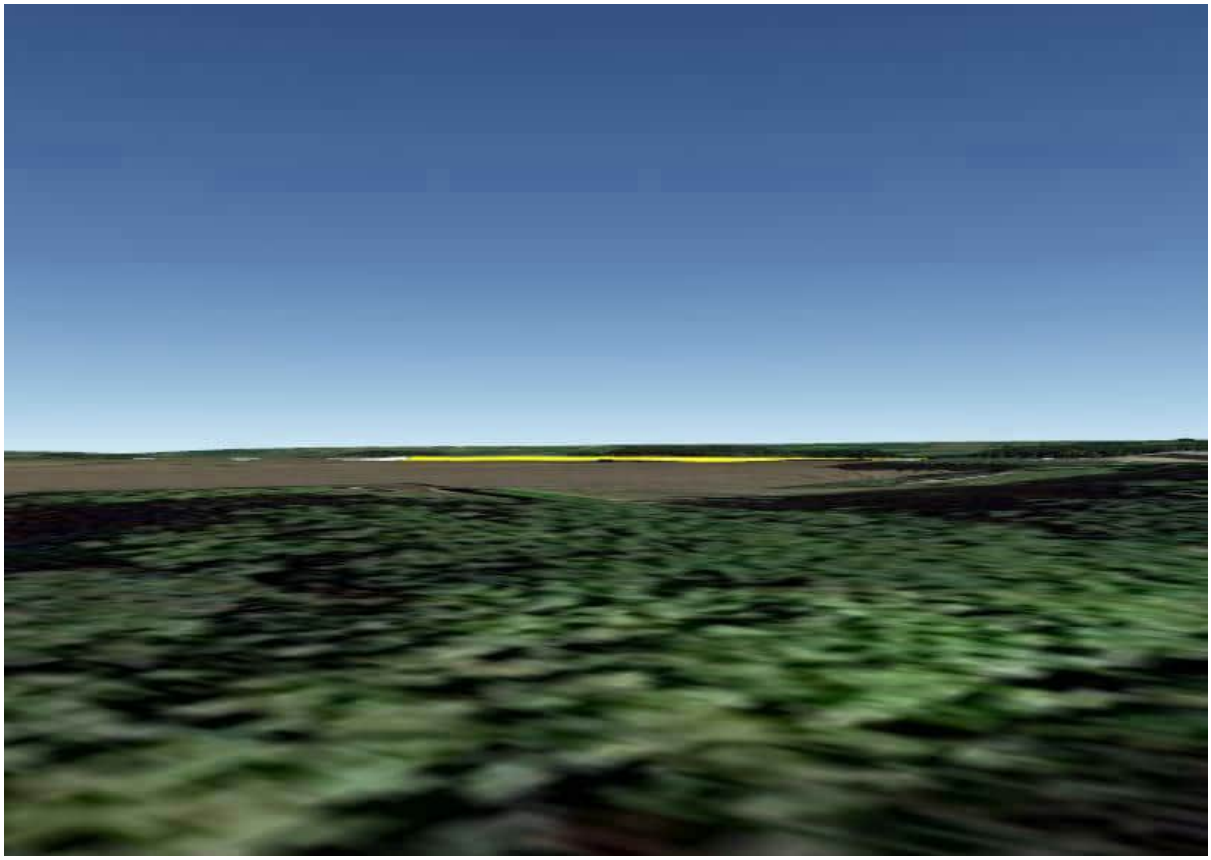


Looking West

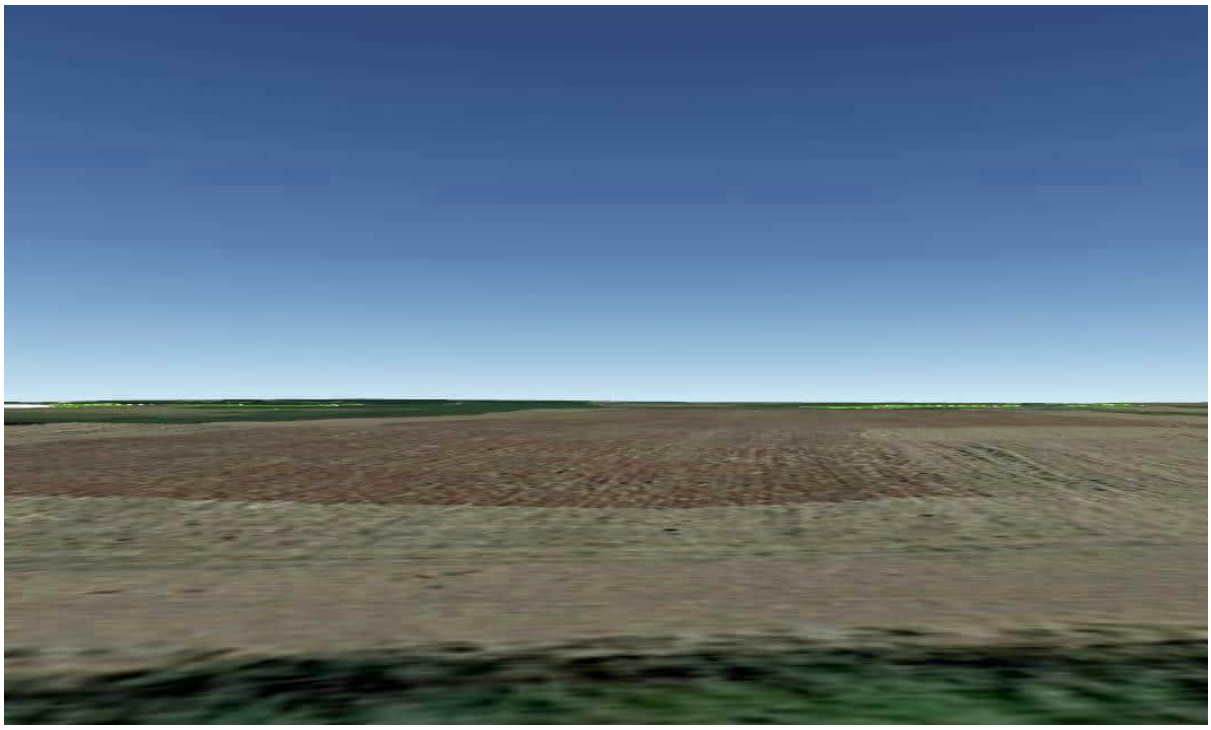


Receptor 150 (Group B Receptor 70)

Looking East

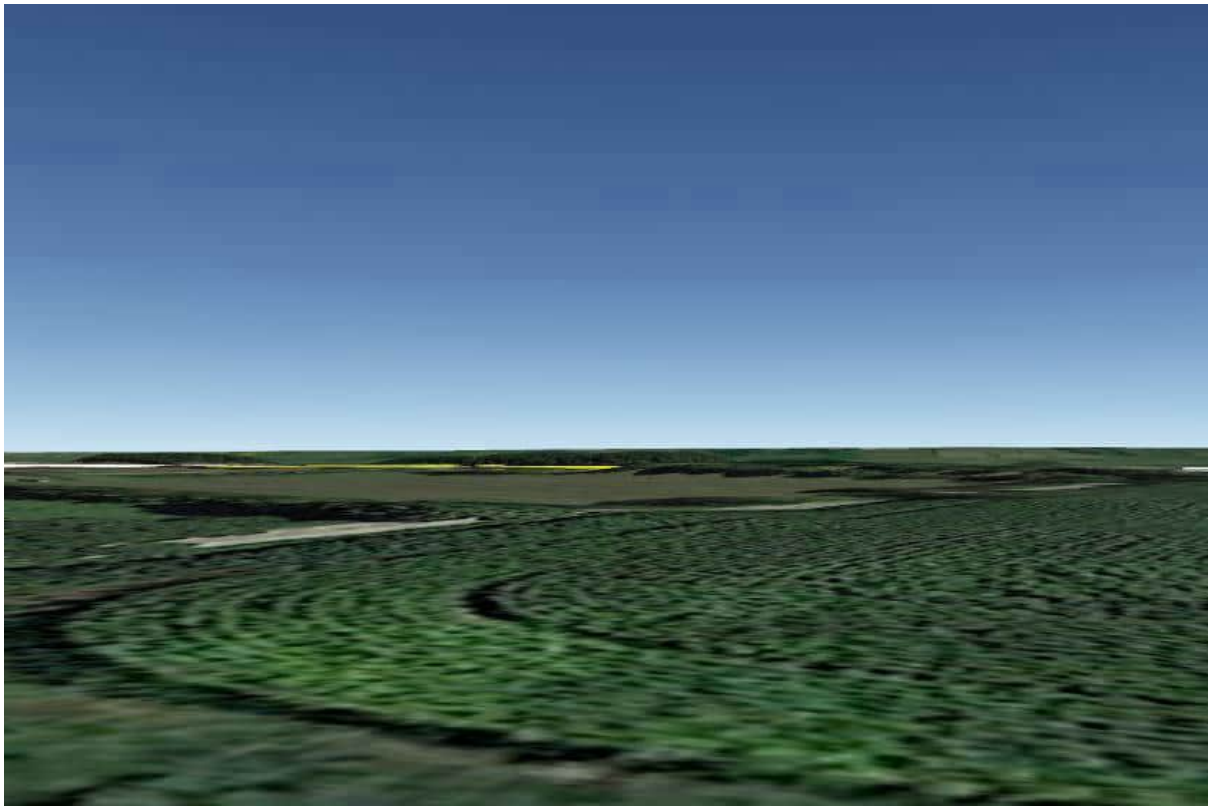


Looking West

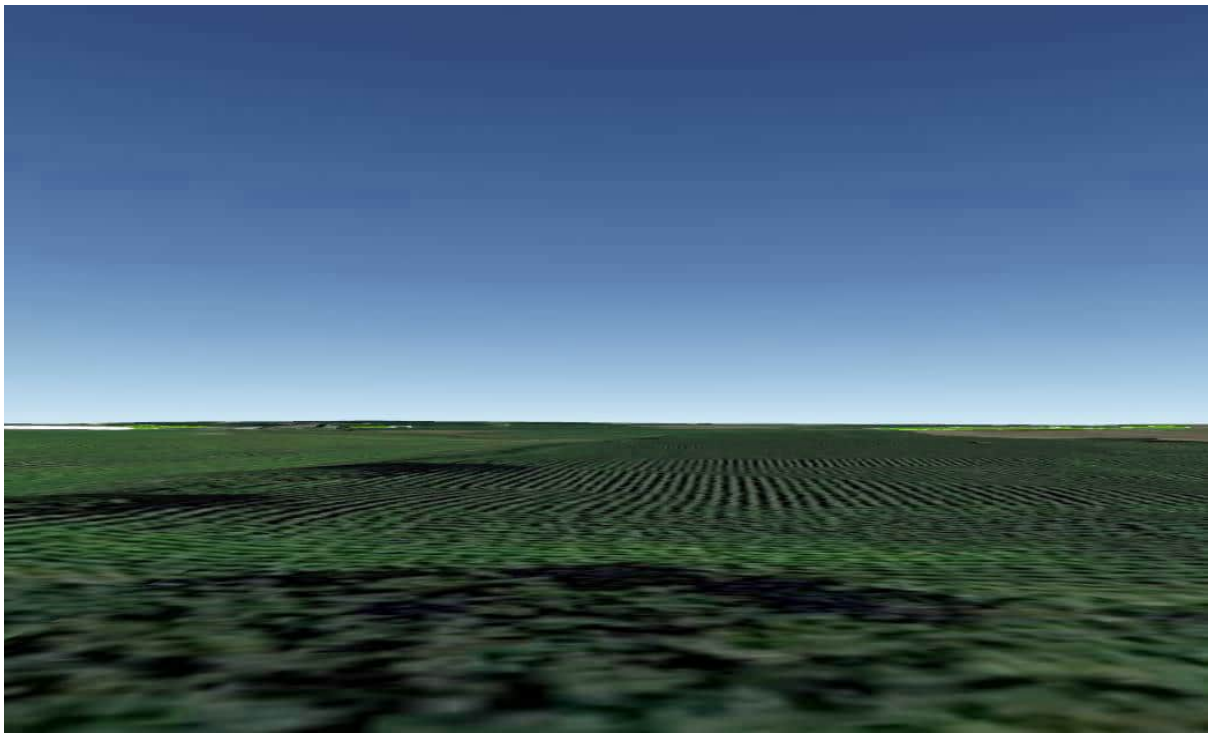


Receptor 151 (Group B Receptor 71)

Looking East

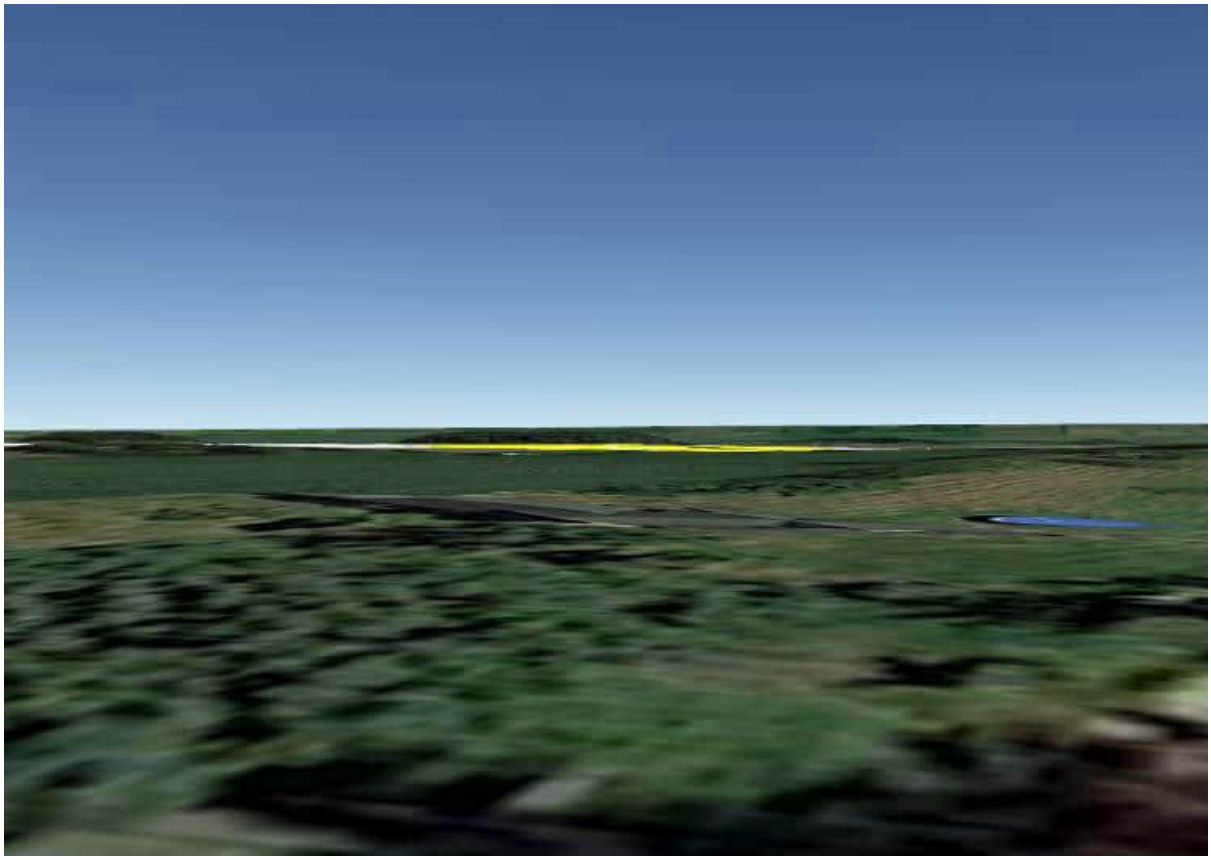


Looking West

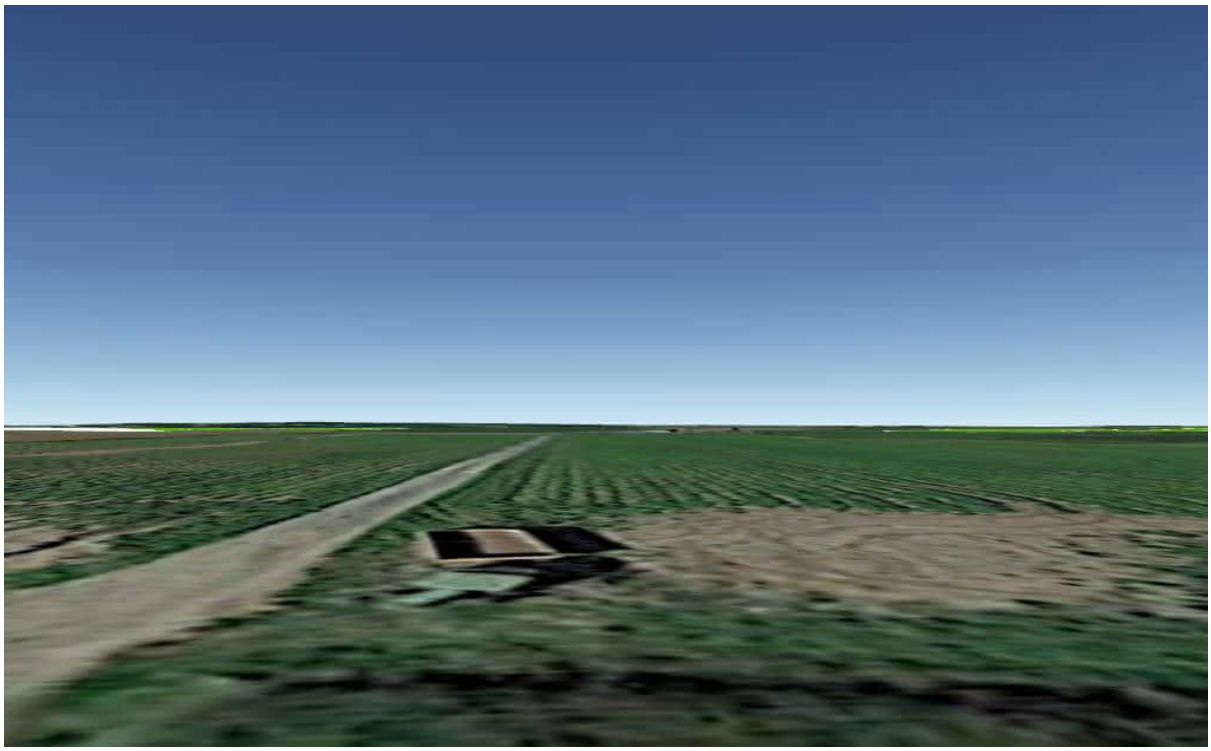


Receptor 152 (Group B Receptor 72)

Looking East



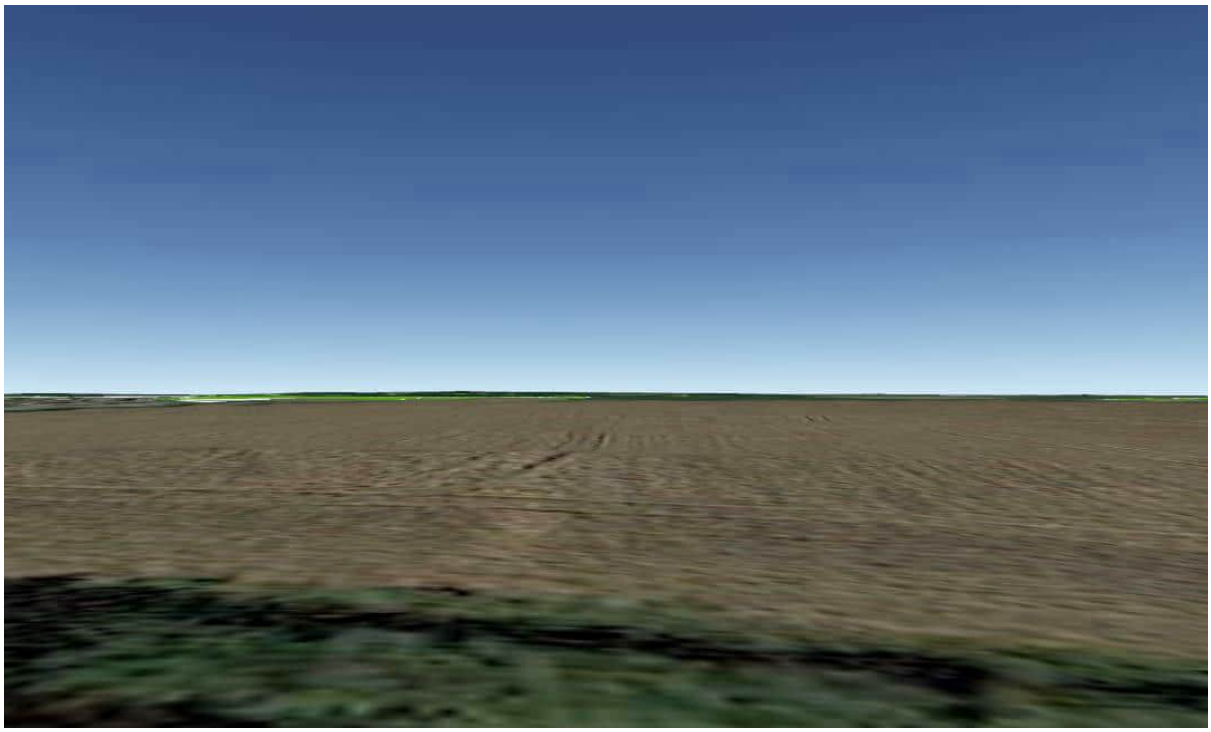
Looking West



Receptor 153 (Group B Receptor 73)

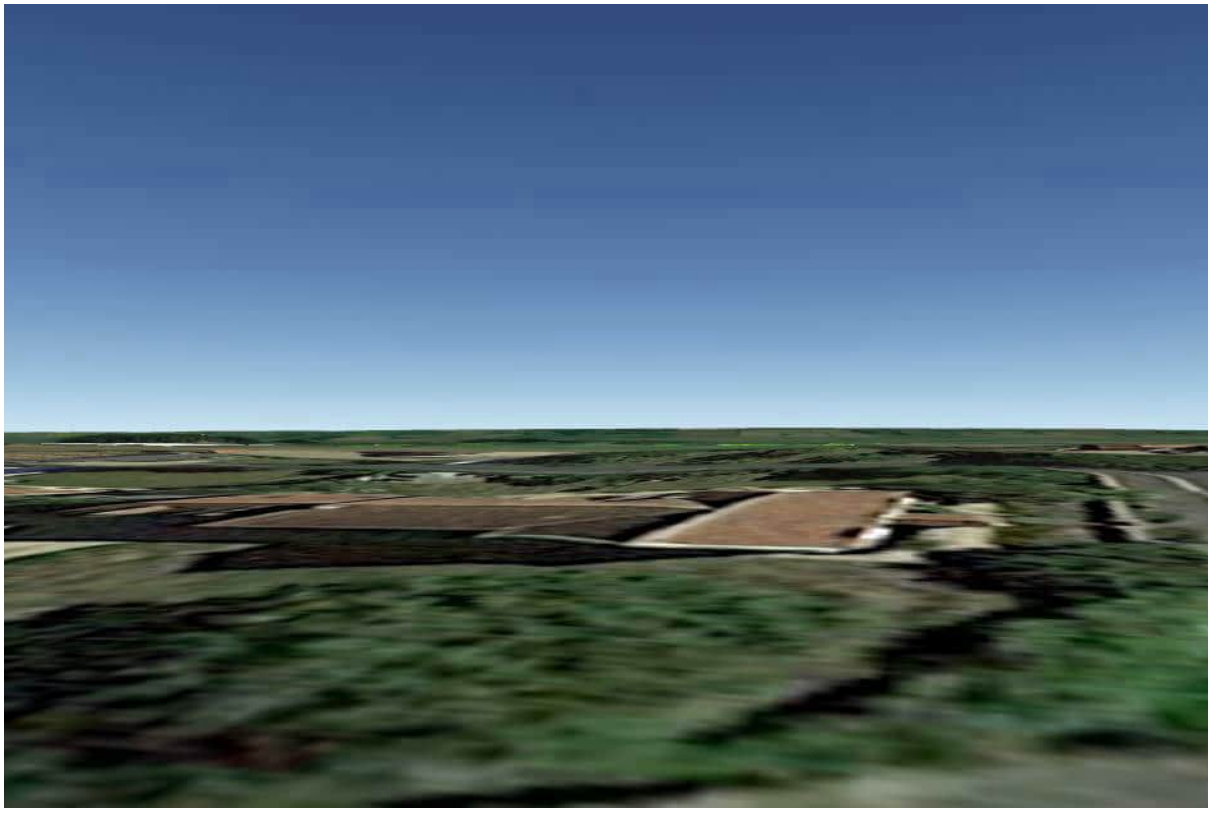
Looking East

Looking West

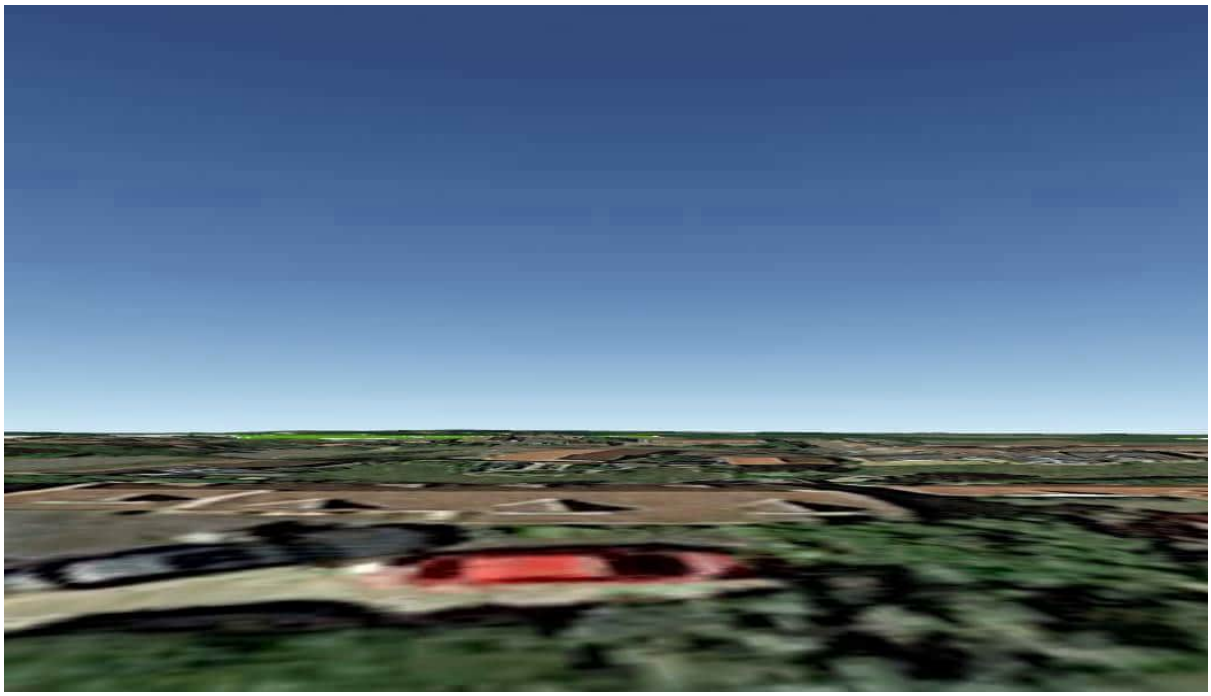


Receptor 154 (Group C Receptor 1)

Looking East

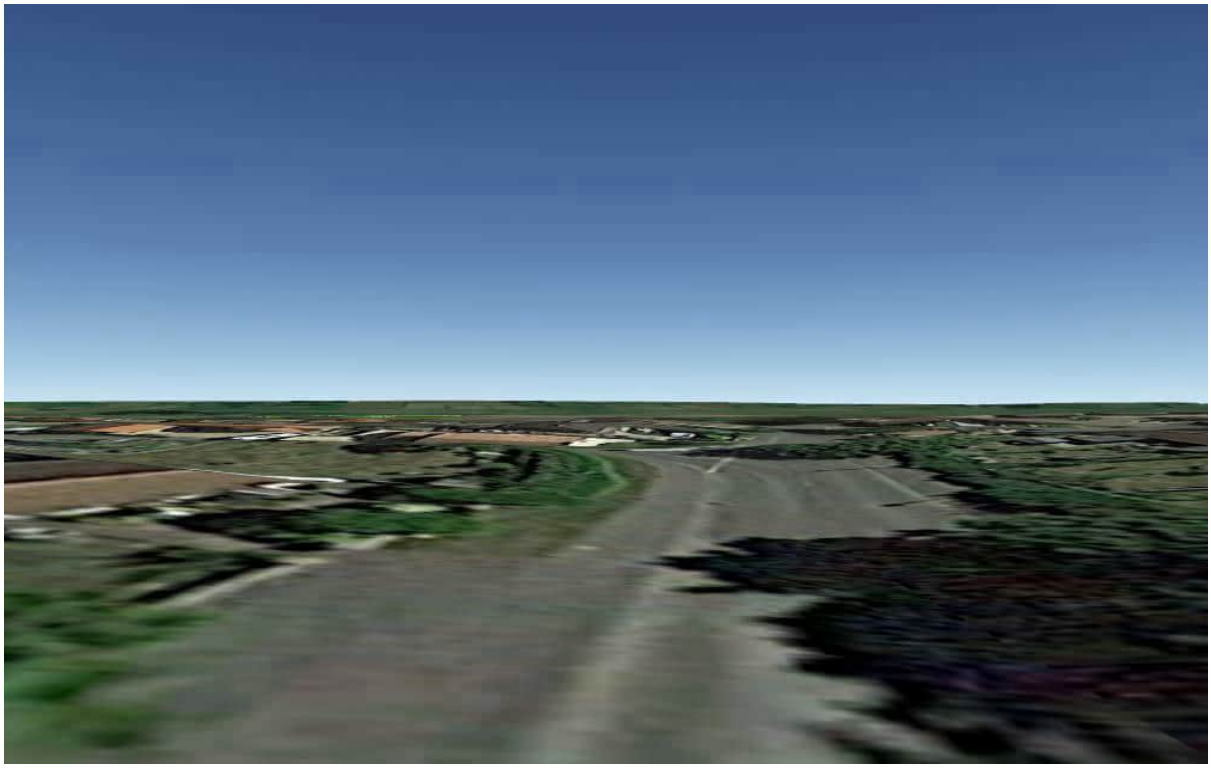


Looking West

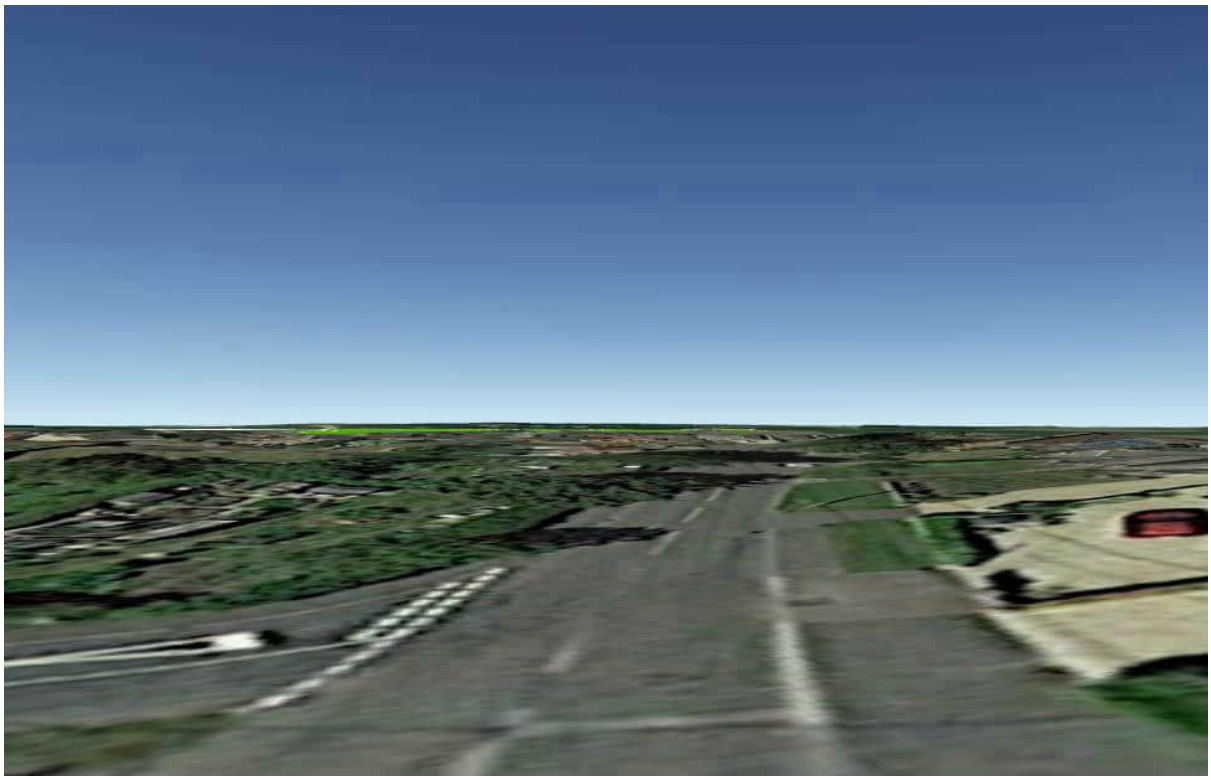


Receptor 155 (Group C Receptor 2)

Looking East

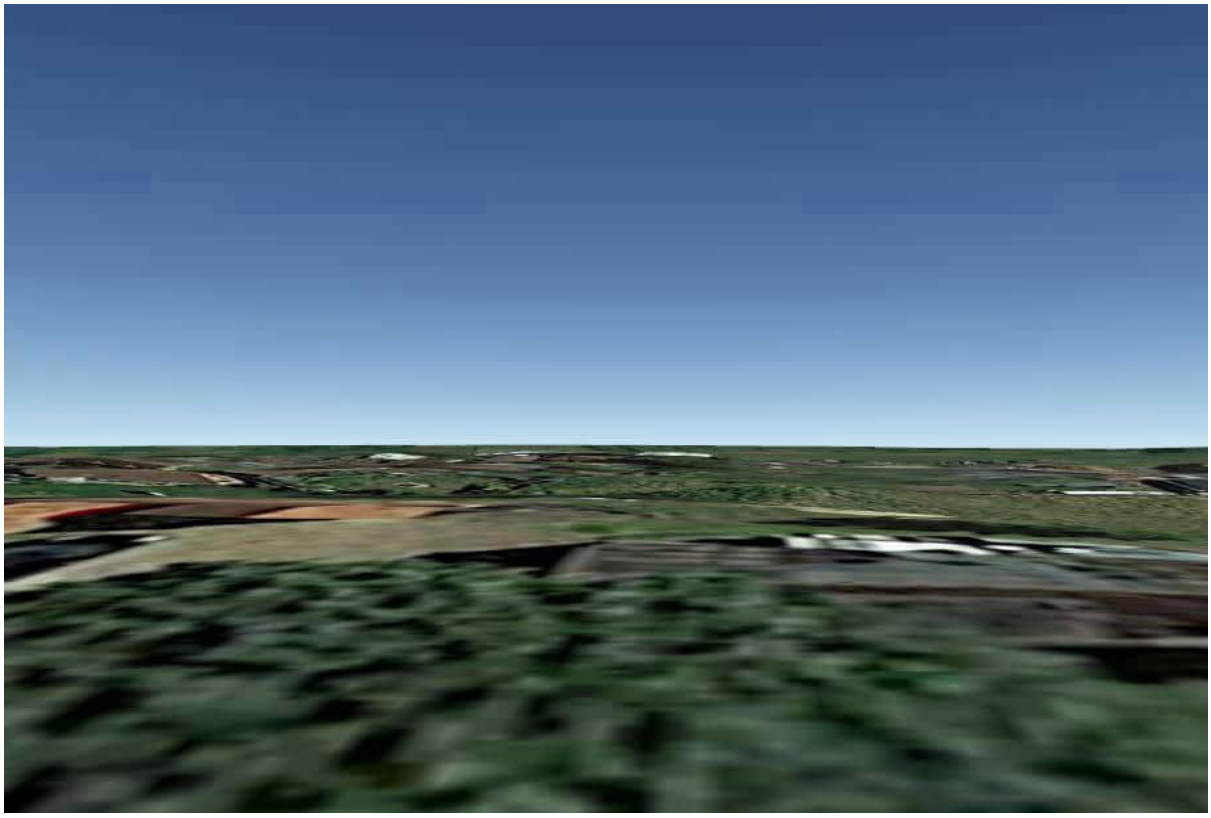


Looking West

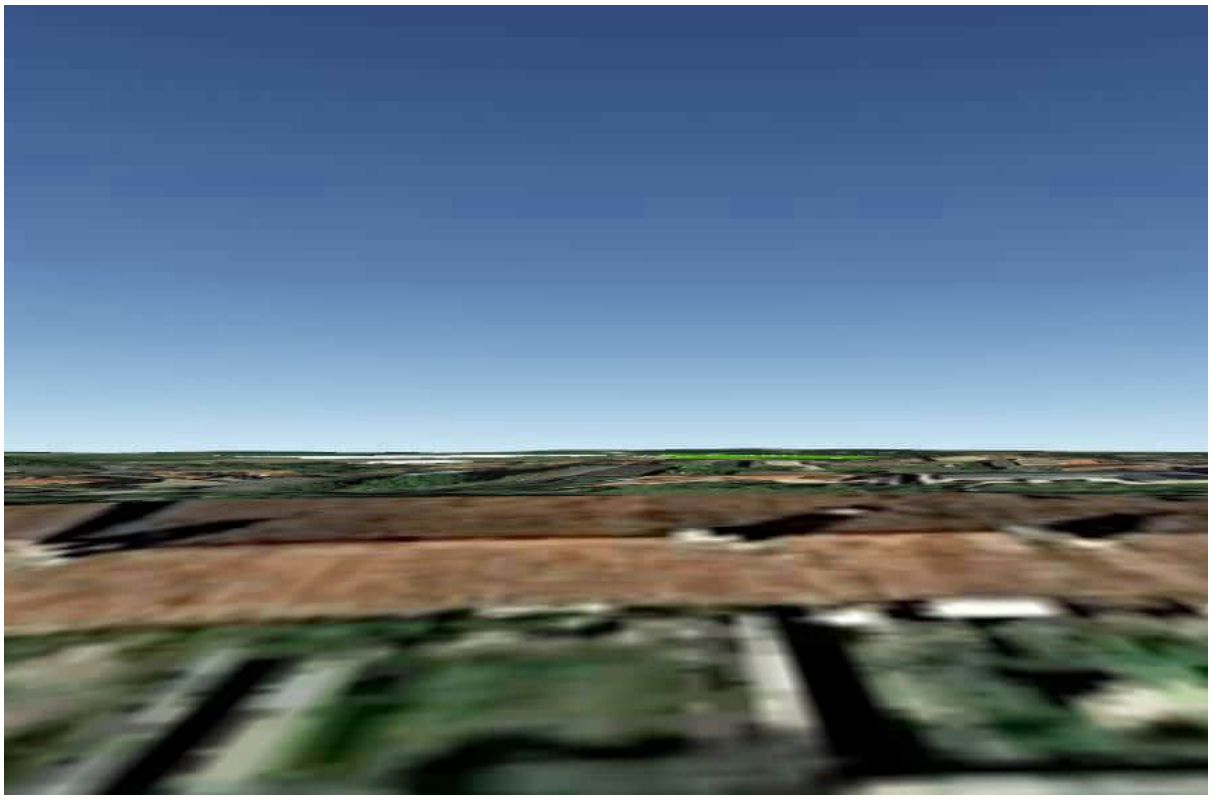


Receptor 156 (Group C Receptor 3)

Looking East

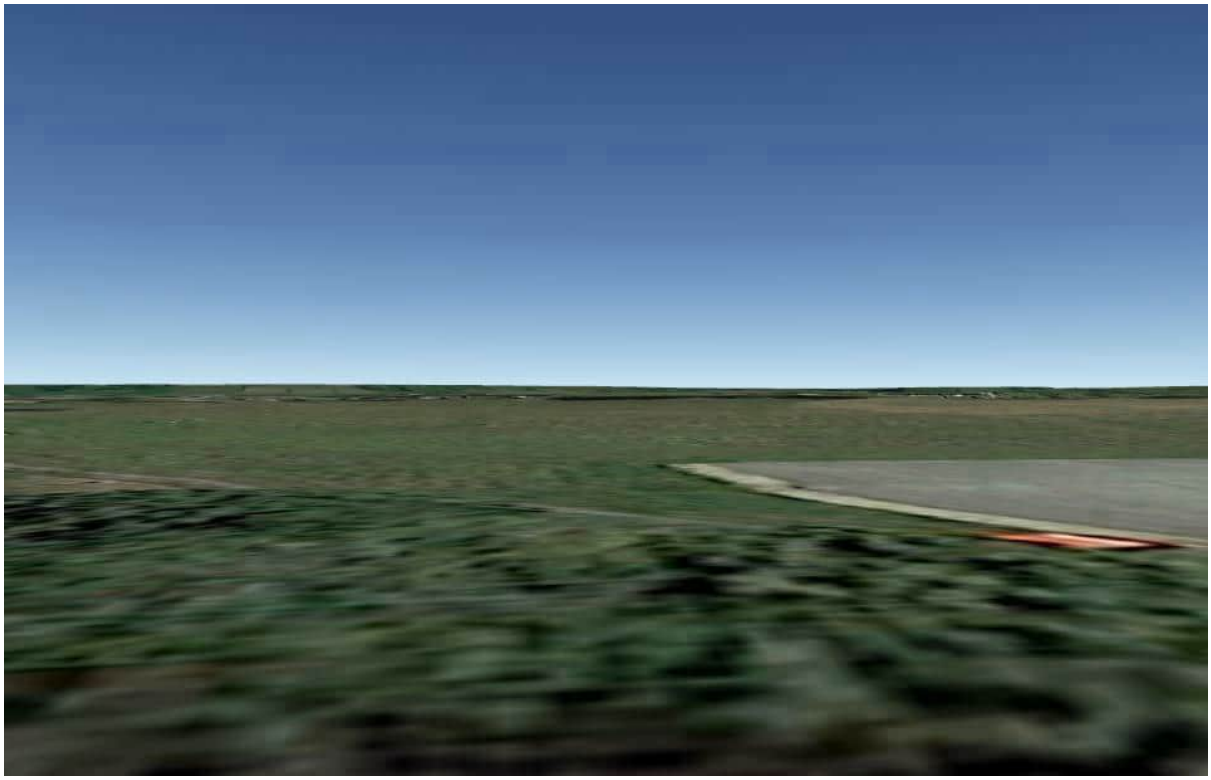


Looking West

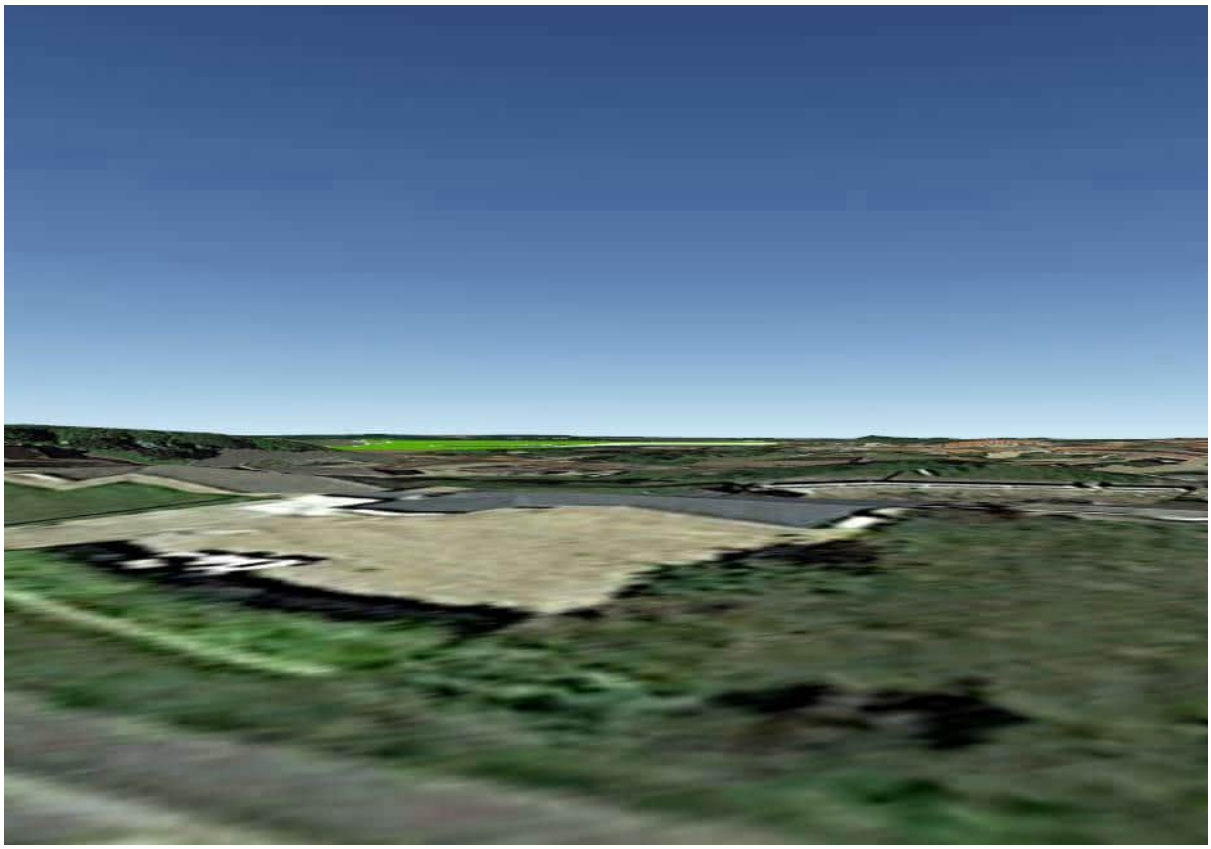


Receptor 157 (Group C Receptor 4)

Looking East

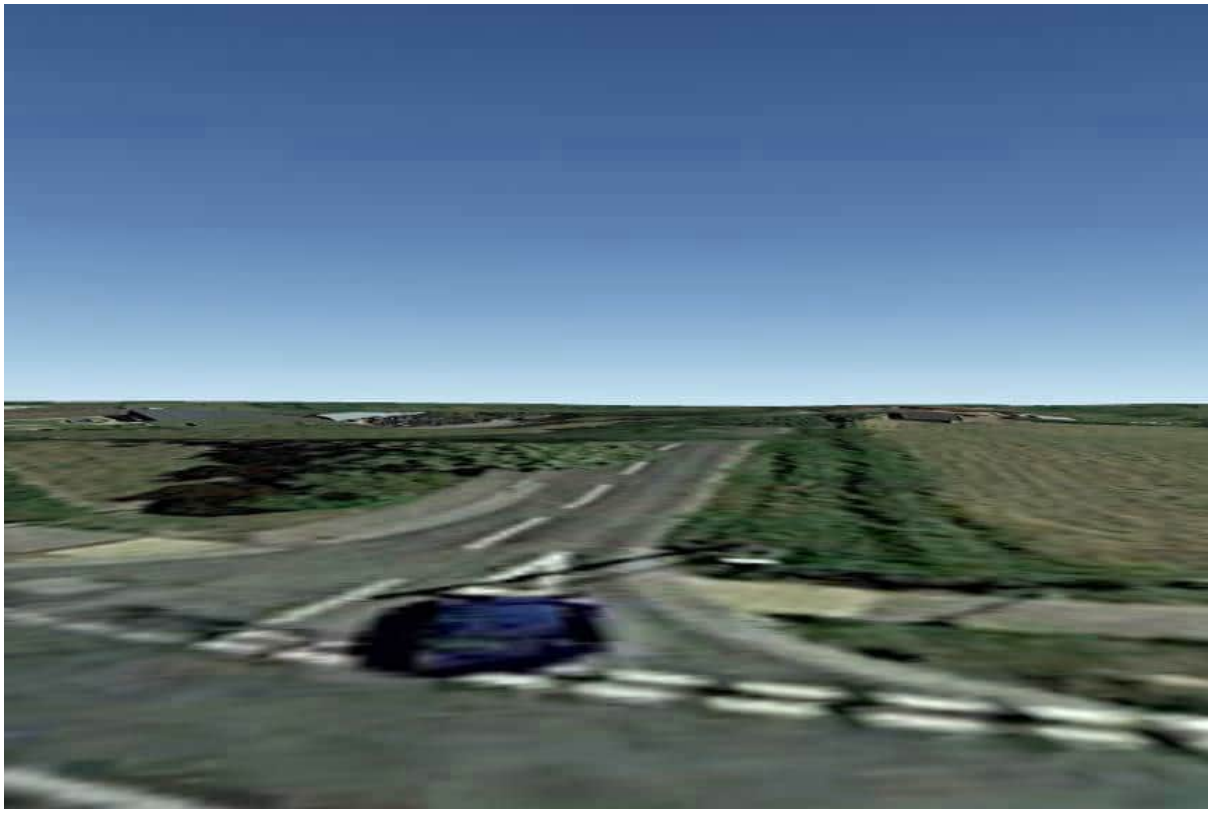


Looking West

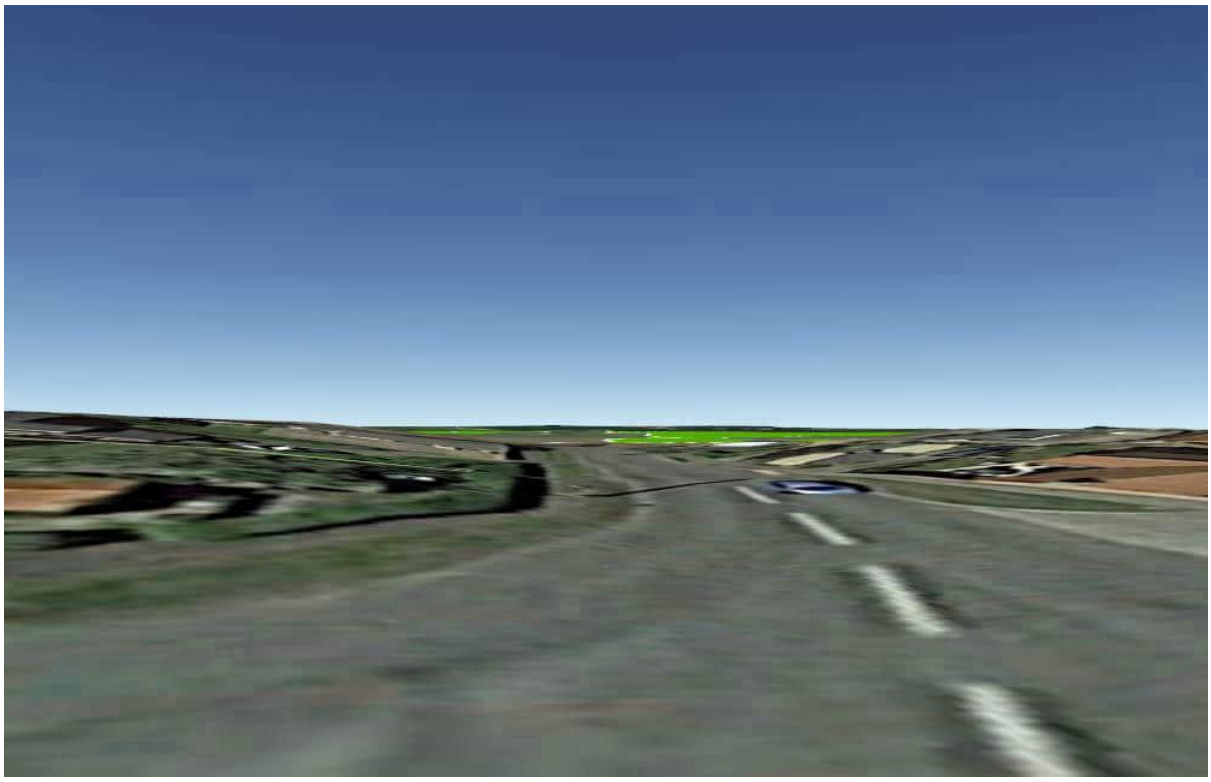


Receptor 158 (Group C Receptor 5)

Looking East

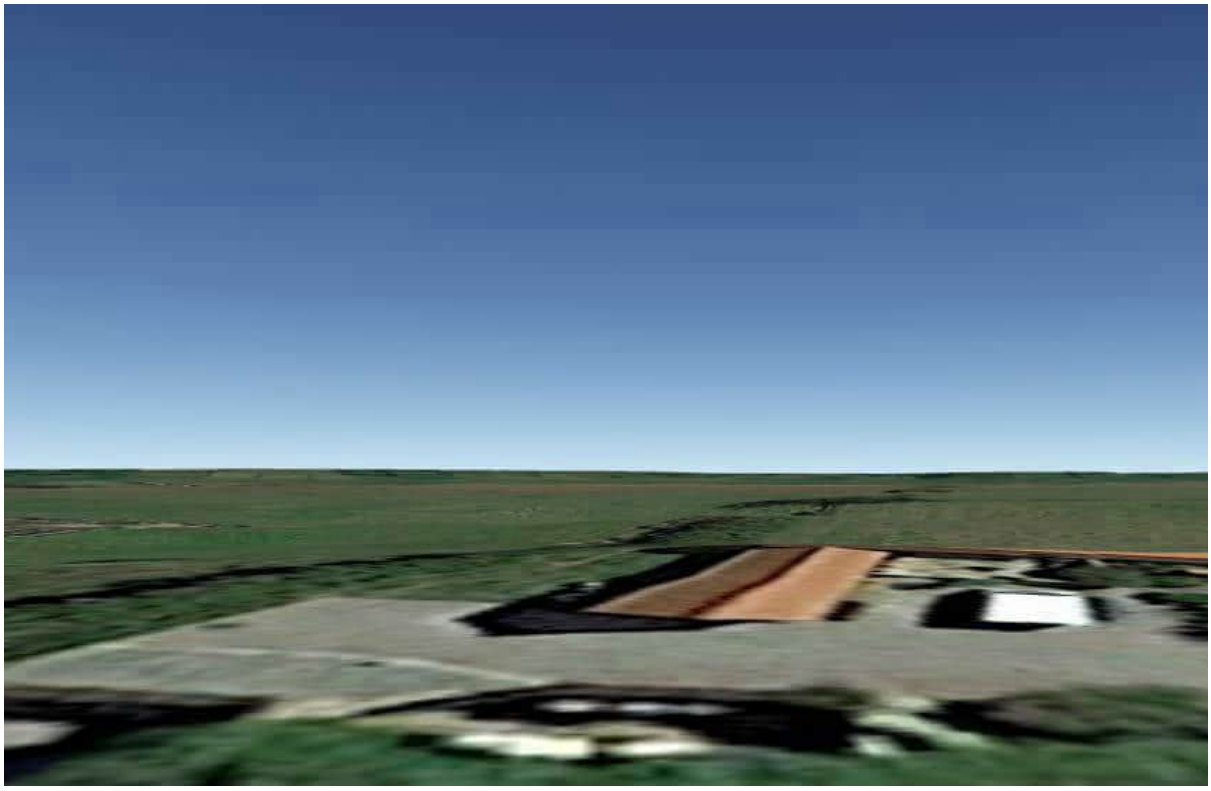


Looking West

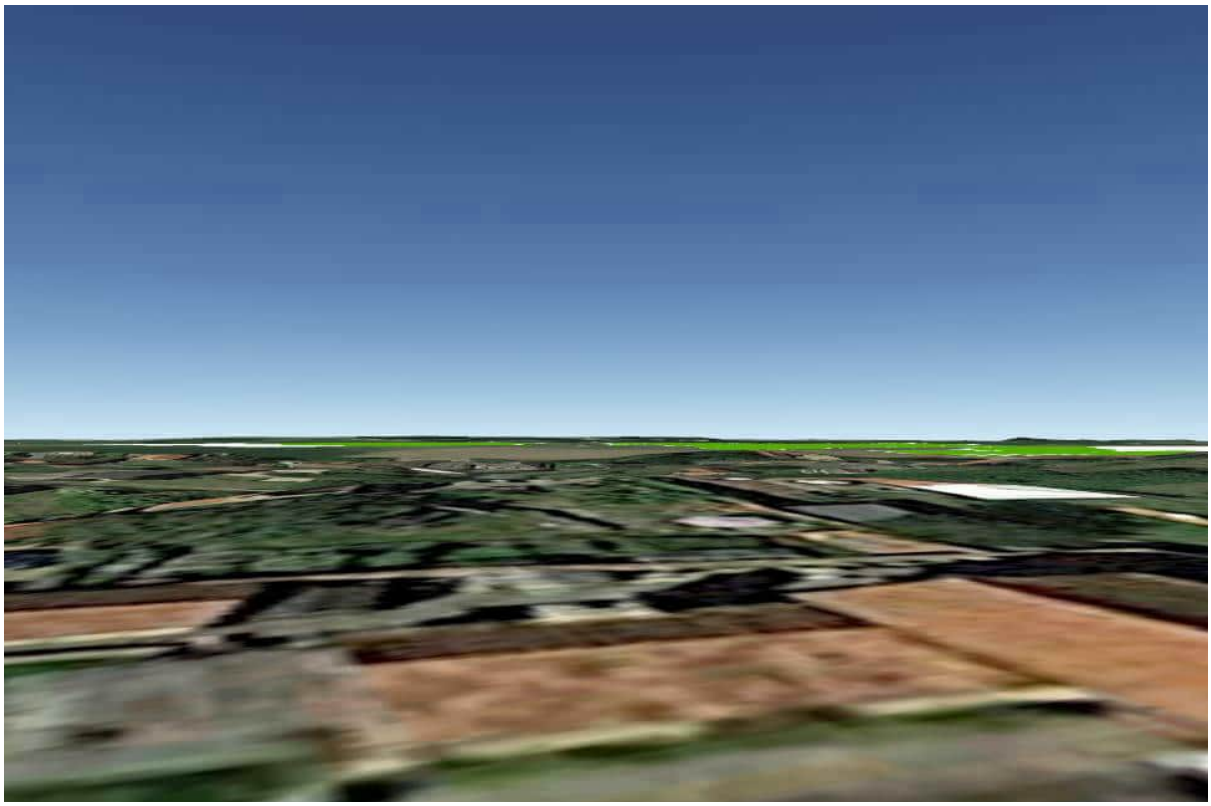


Receptor 159 (Group C Receptor 6)

Looking East



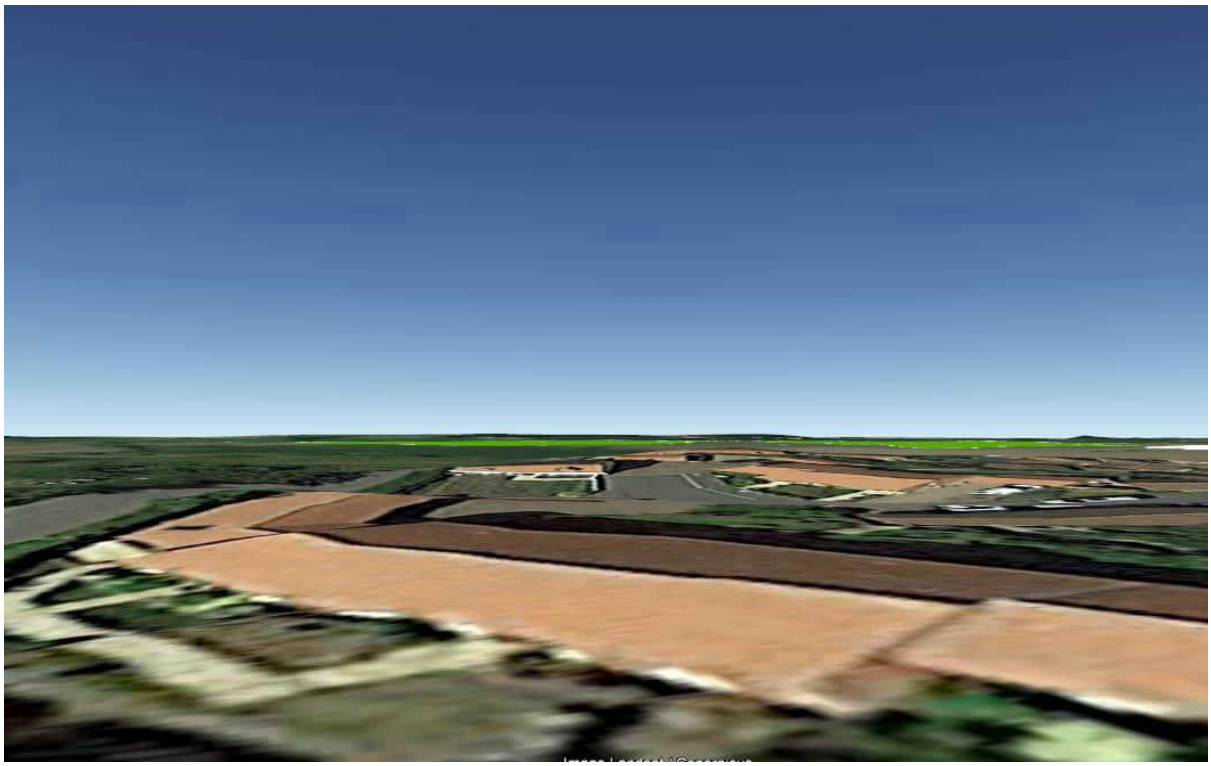
Looking West



Receptor 160 (Group C Receptor 7)

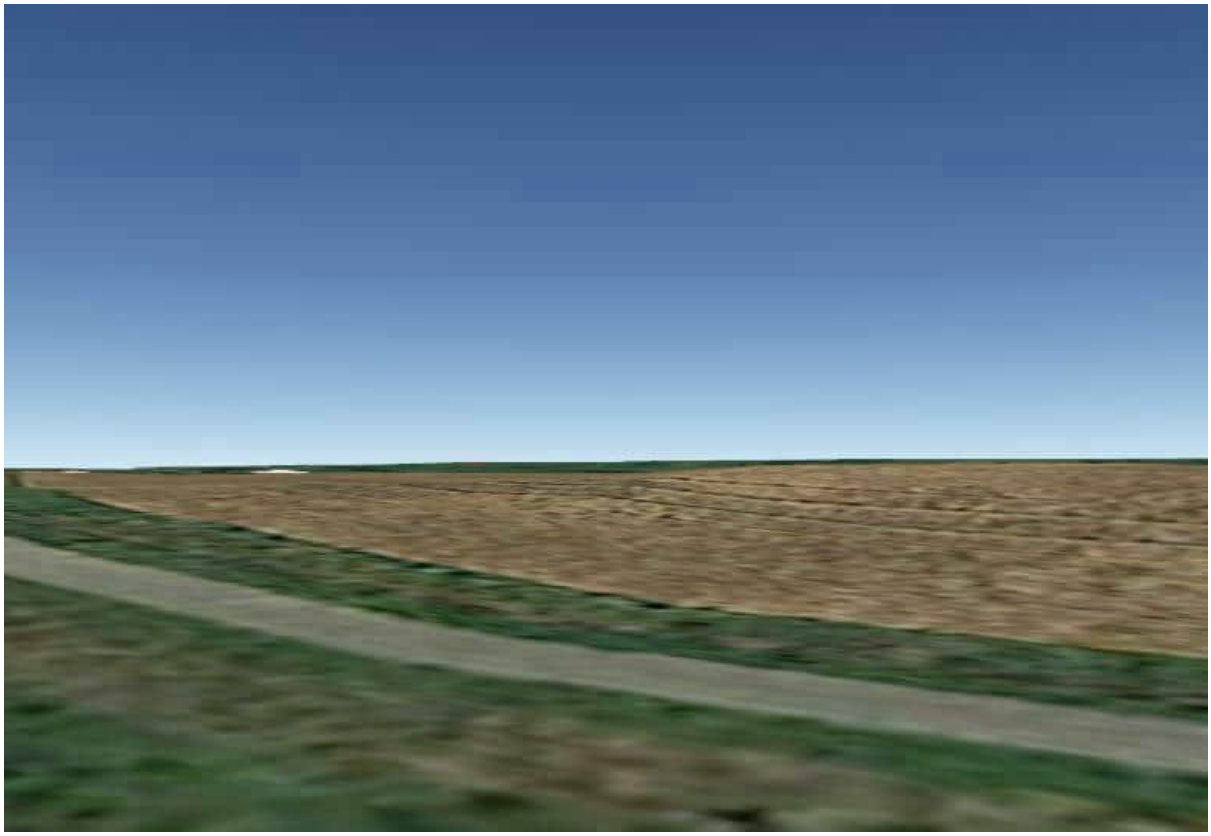
Looking East

Looking West



Receptor 161 (Group C Receptor 8)

Looking East

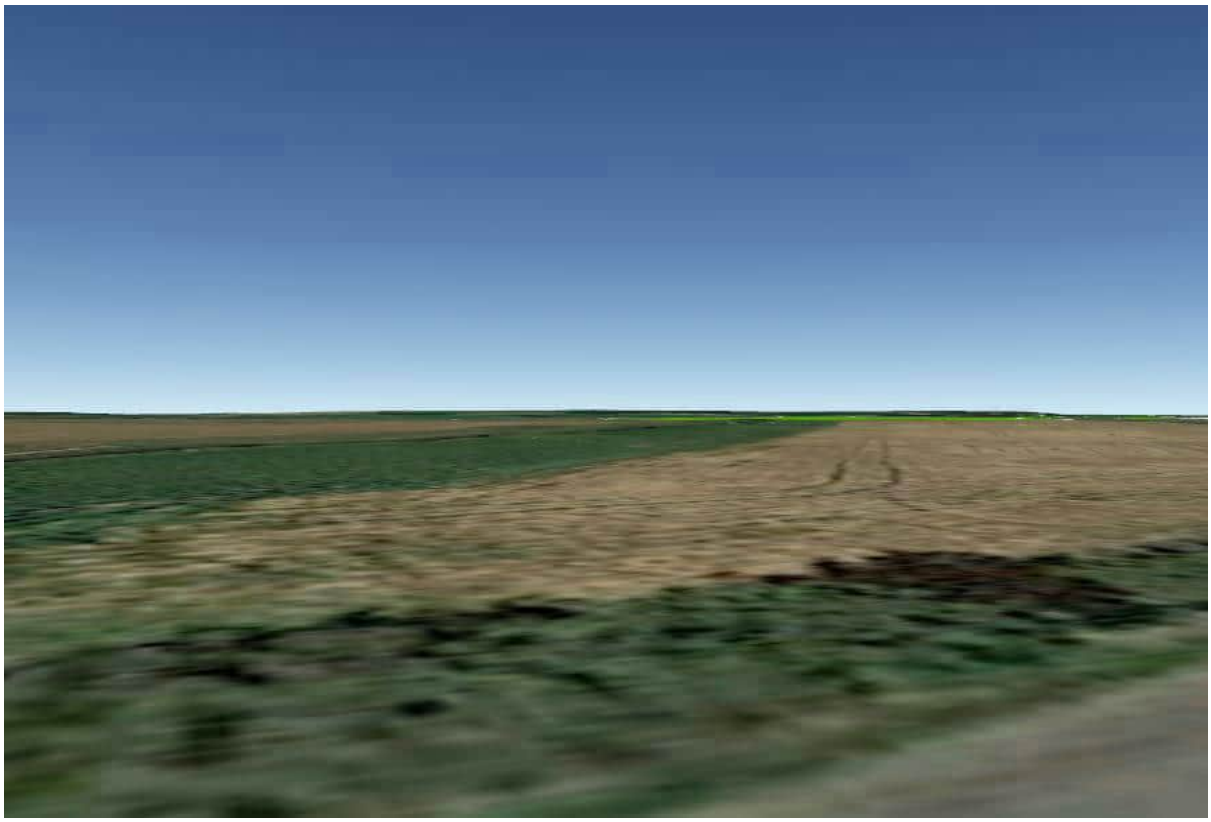


Looking West

Receptor 162 (Group C Receptor 9)

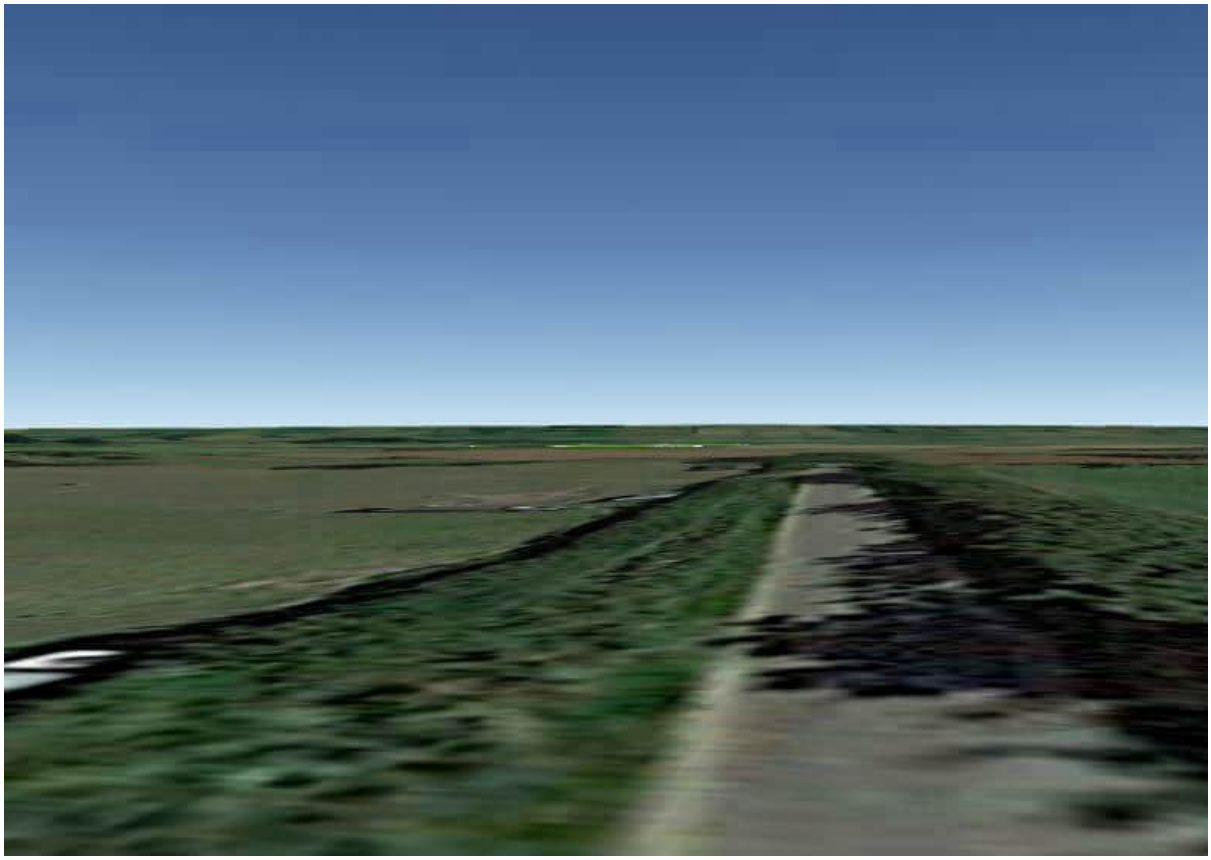
Looking East

Looking West

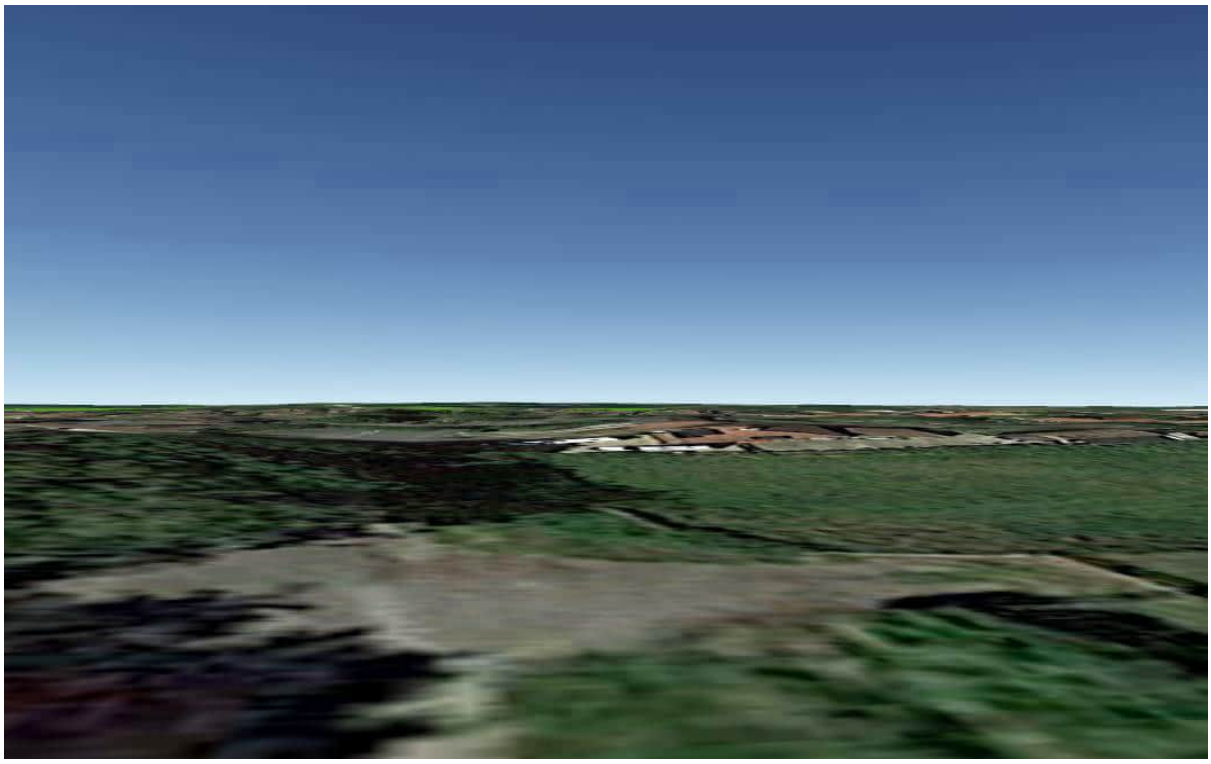


Receptor 163 (Group C Receptor 10)

Looking East

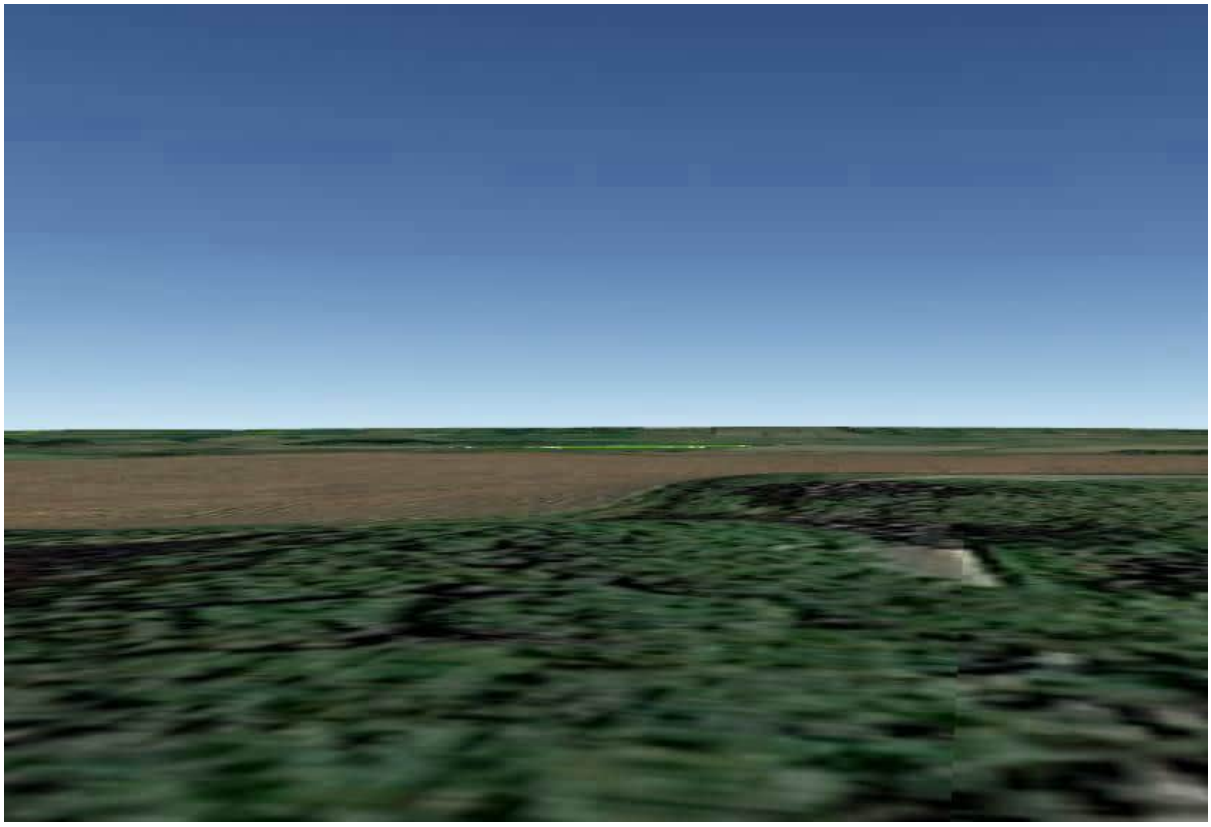


Looking West

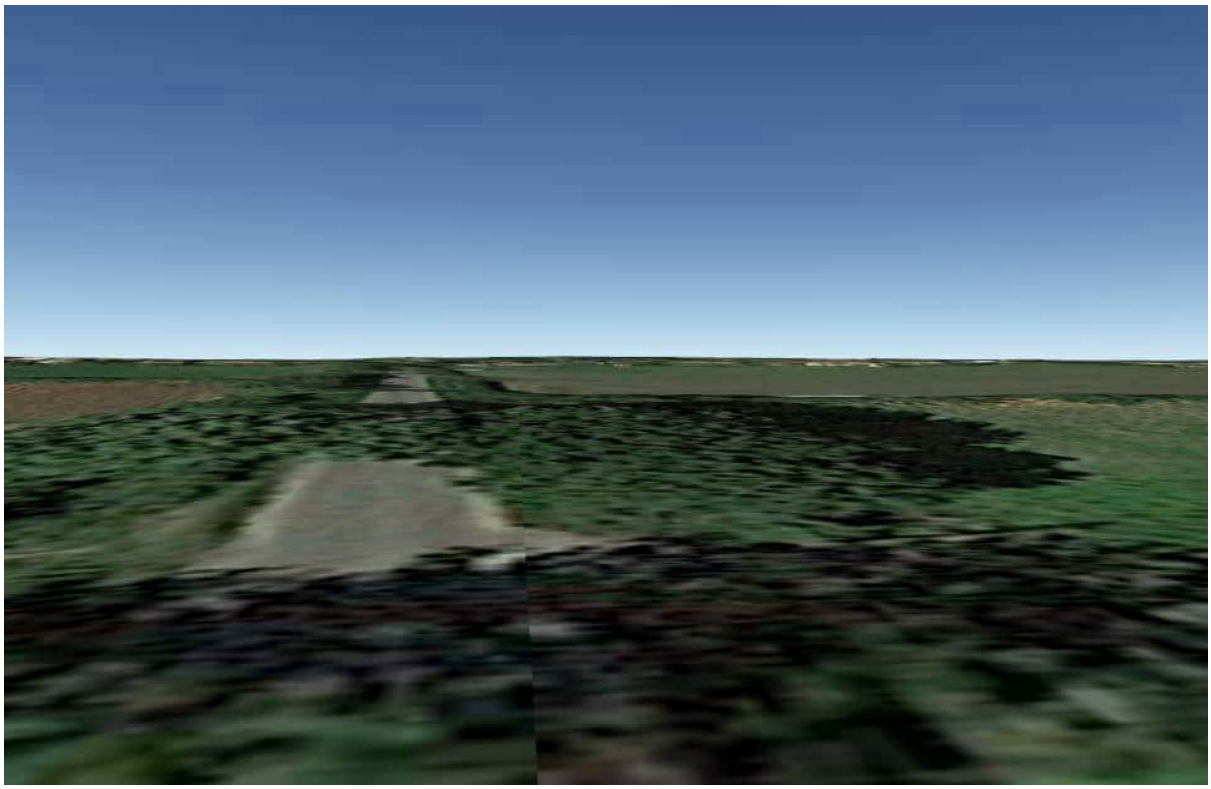


Receptor 164 (Group C Receptor 11)

Looking East

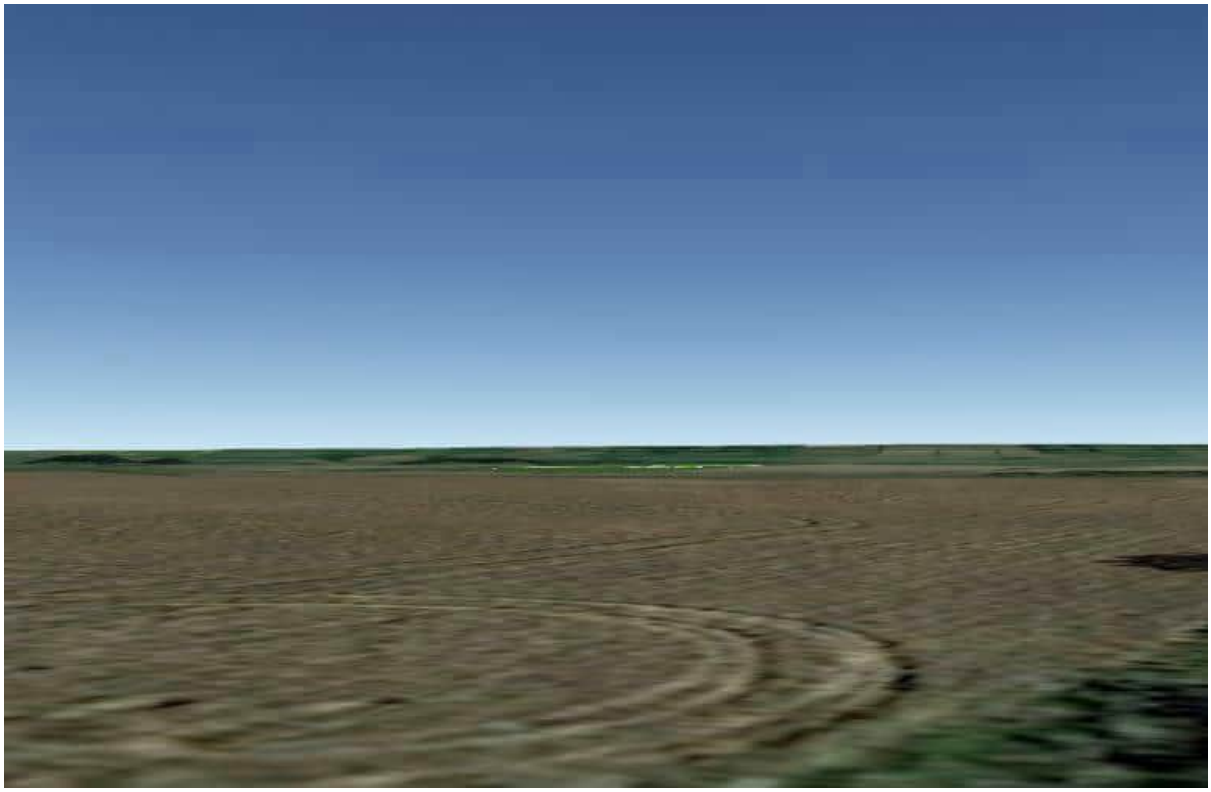


Looking West

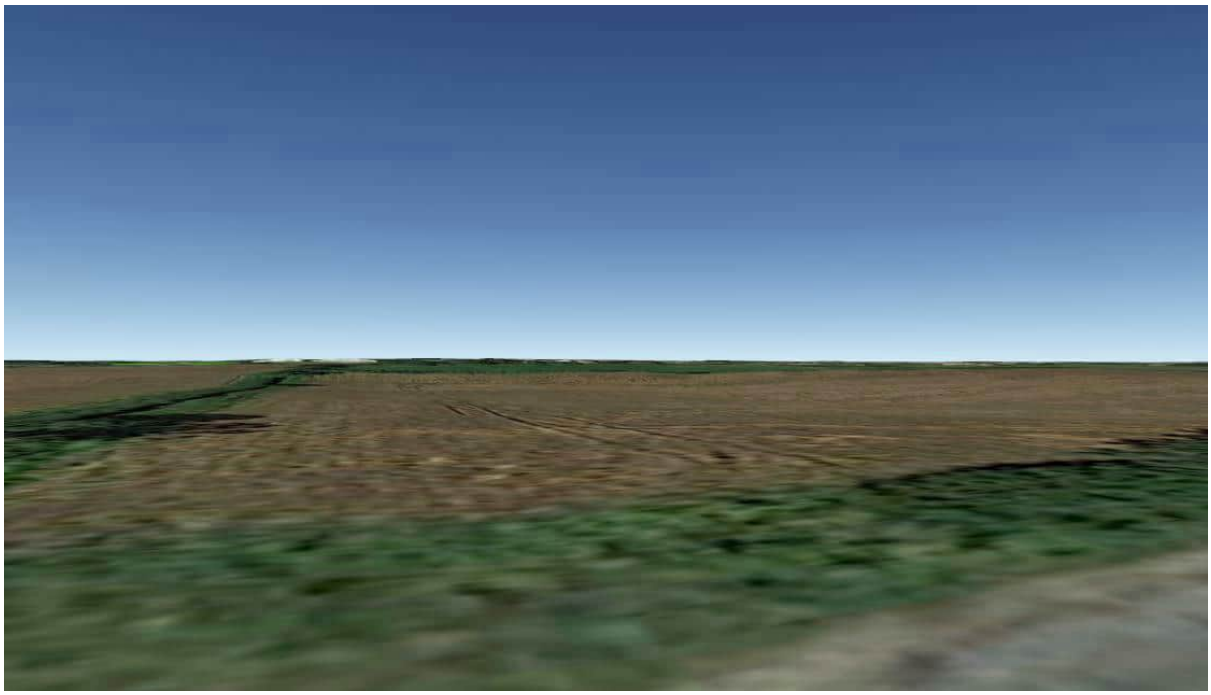


Receptor 165 (Group C Receptor 12)

Looking East

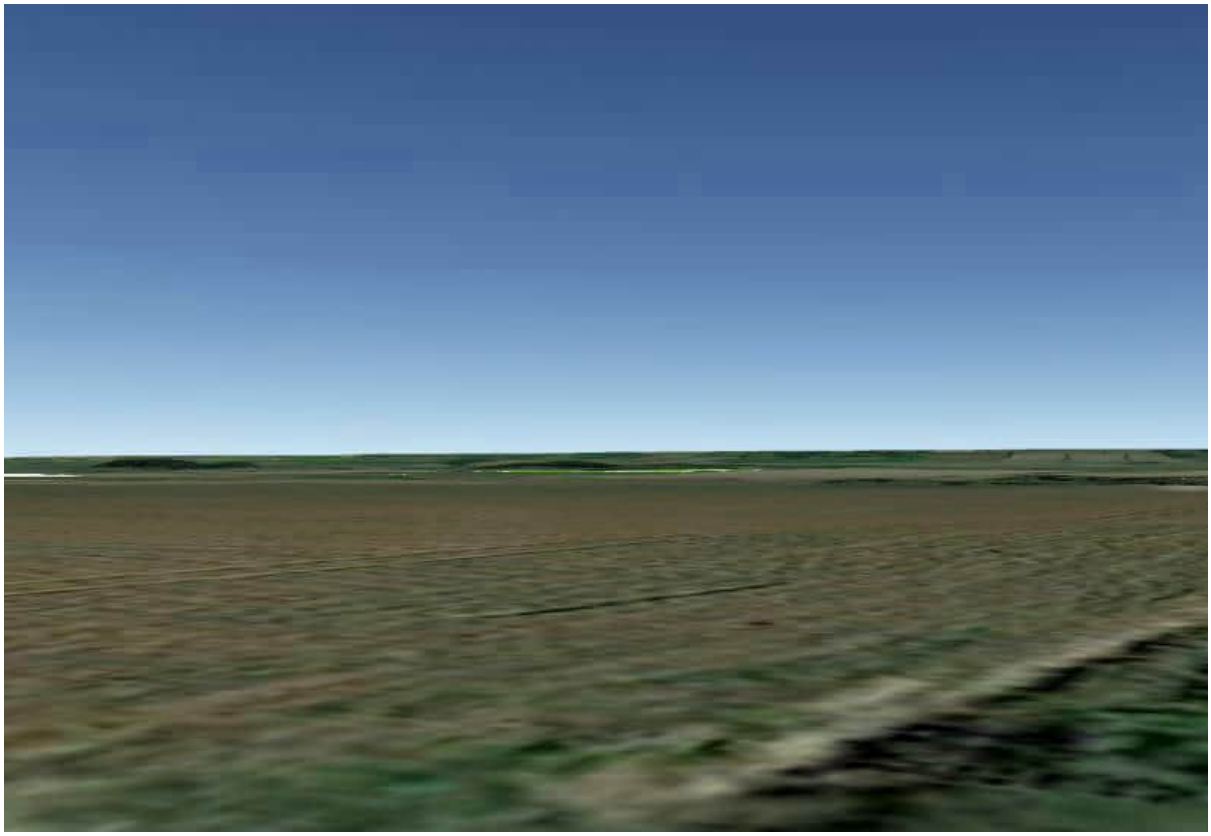


Looking West

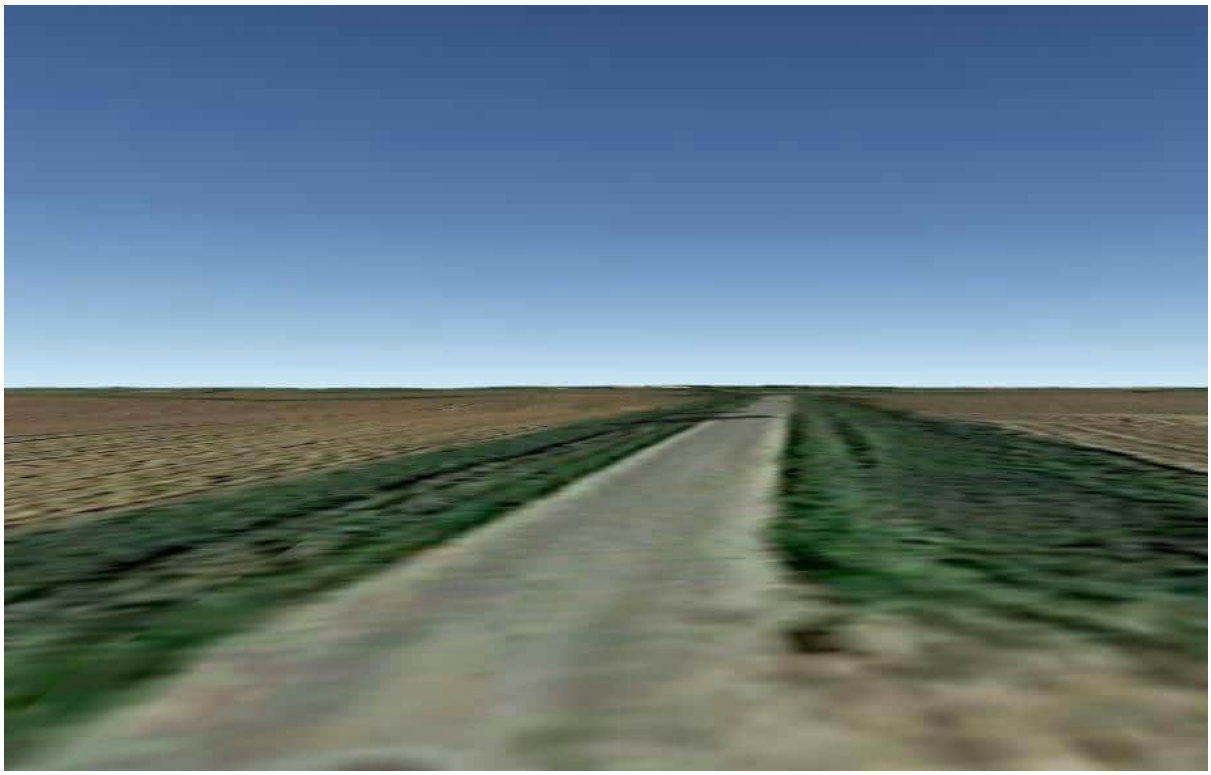


Receptor 166 (Group C Receptor 13)

Looking East

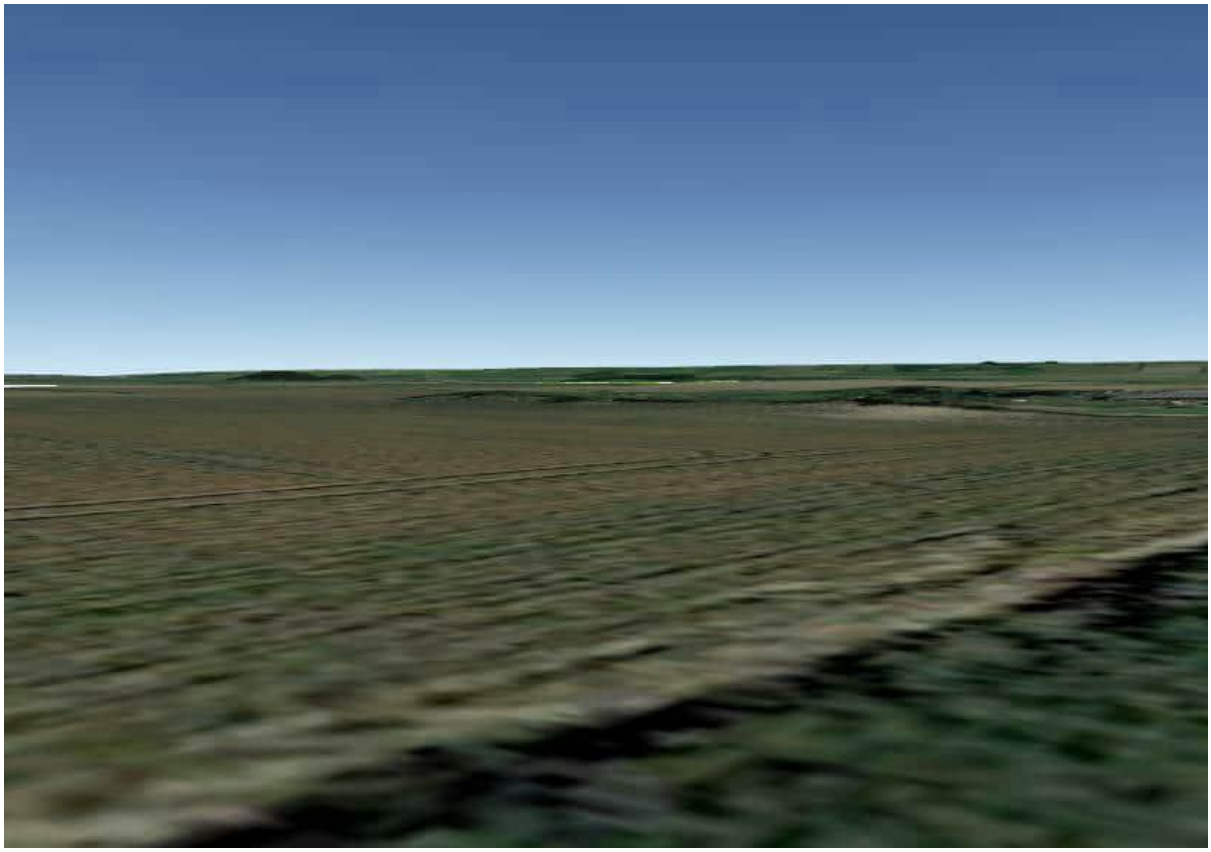


Looking West

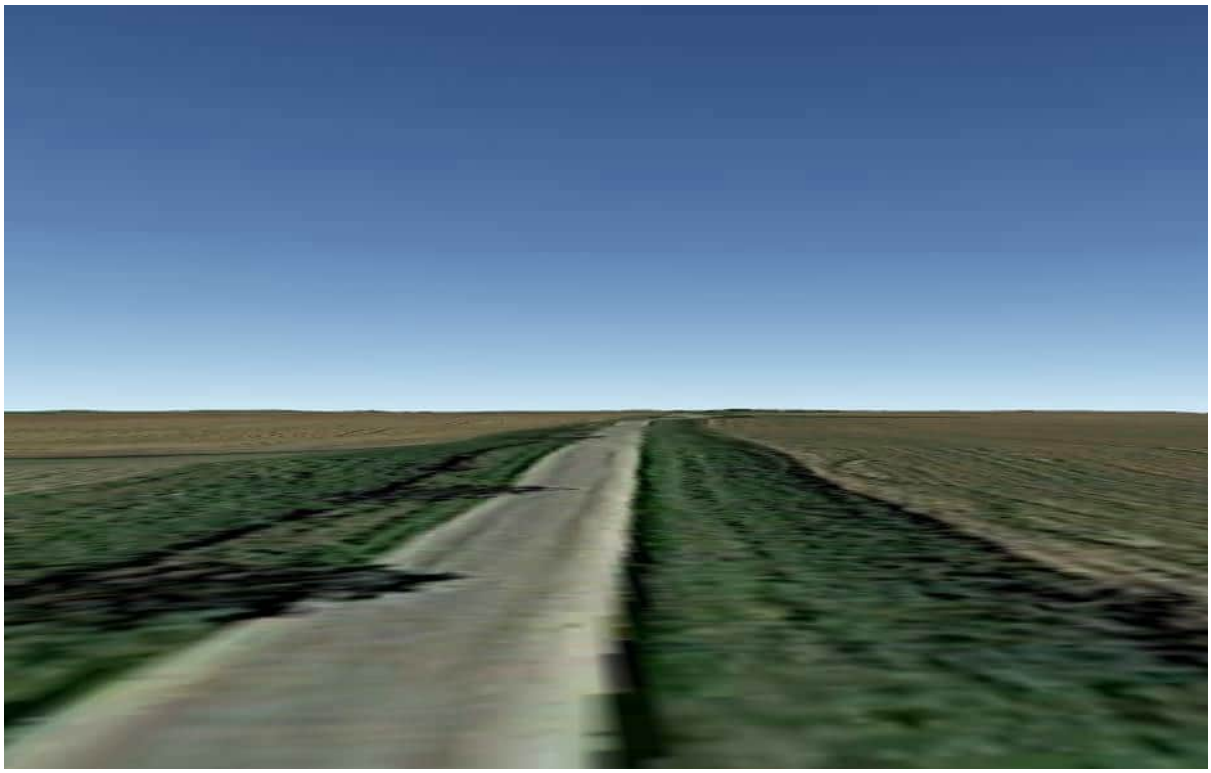


Receptor 167 (Group C Receptor 14)

Looking East

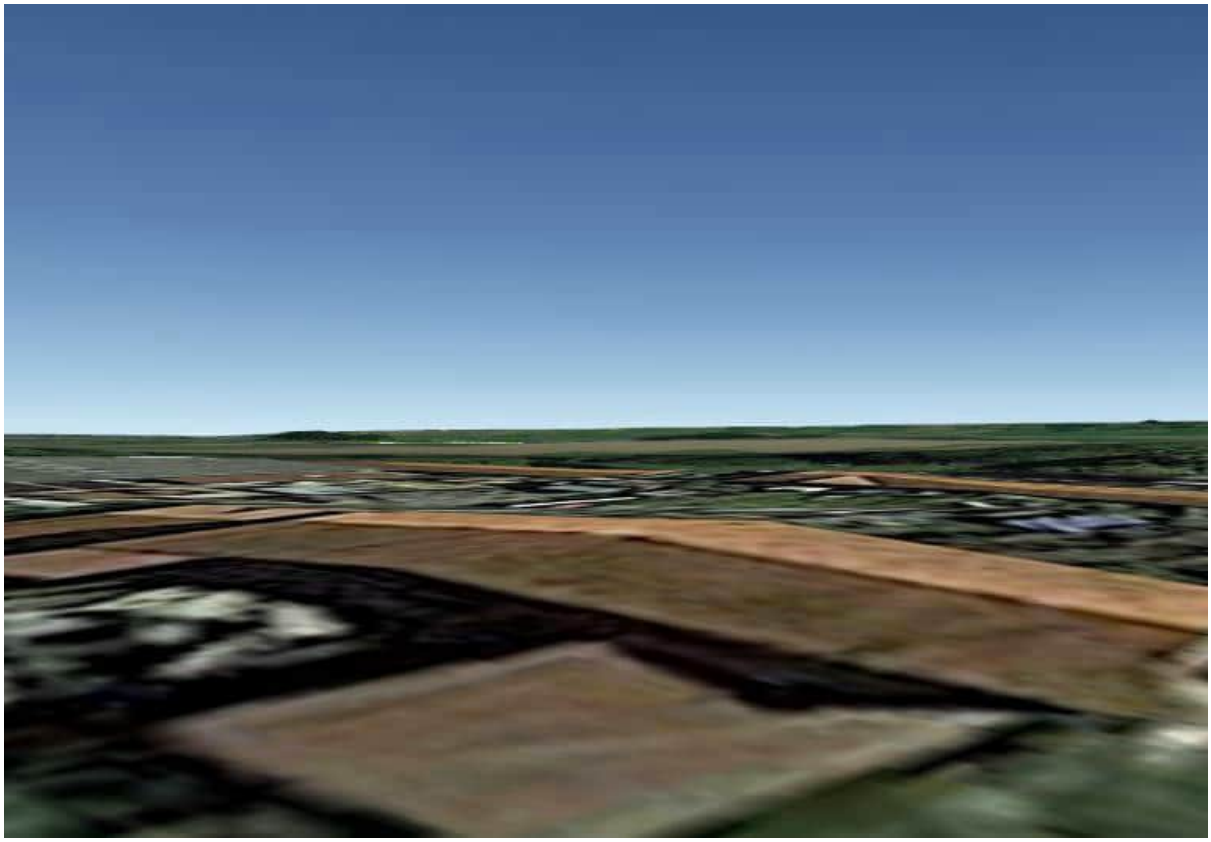


Looking West

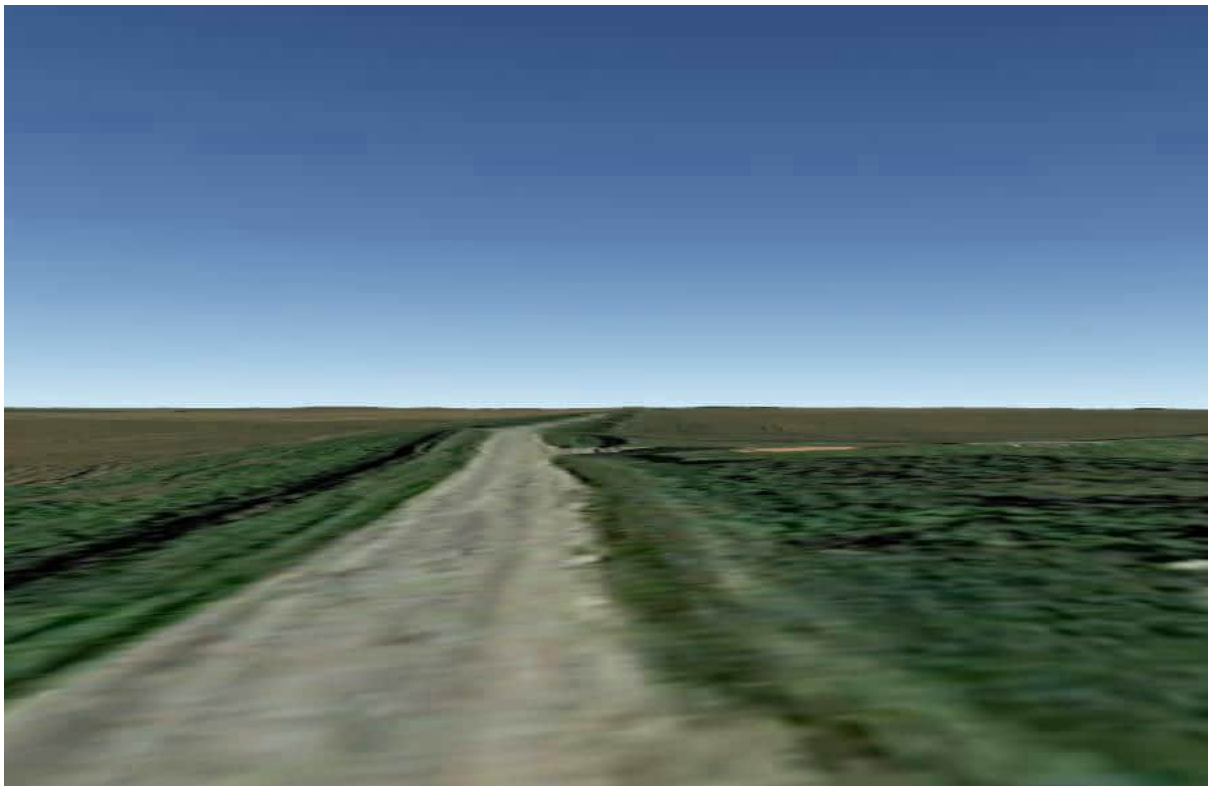


Receptor 168 (Group C Receptor 15)

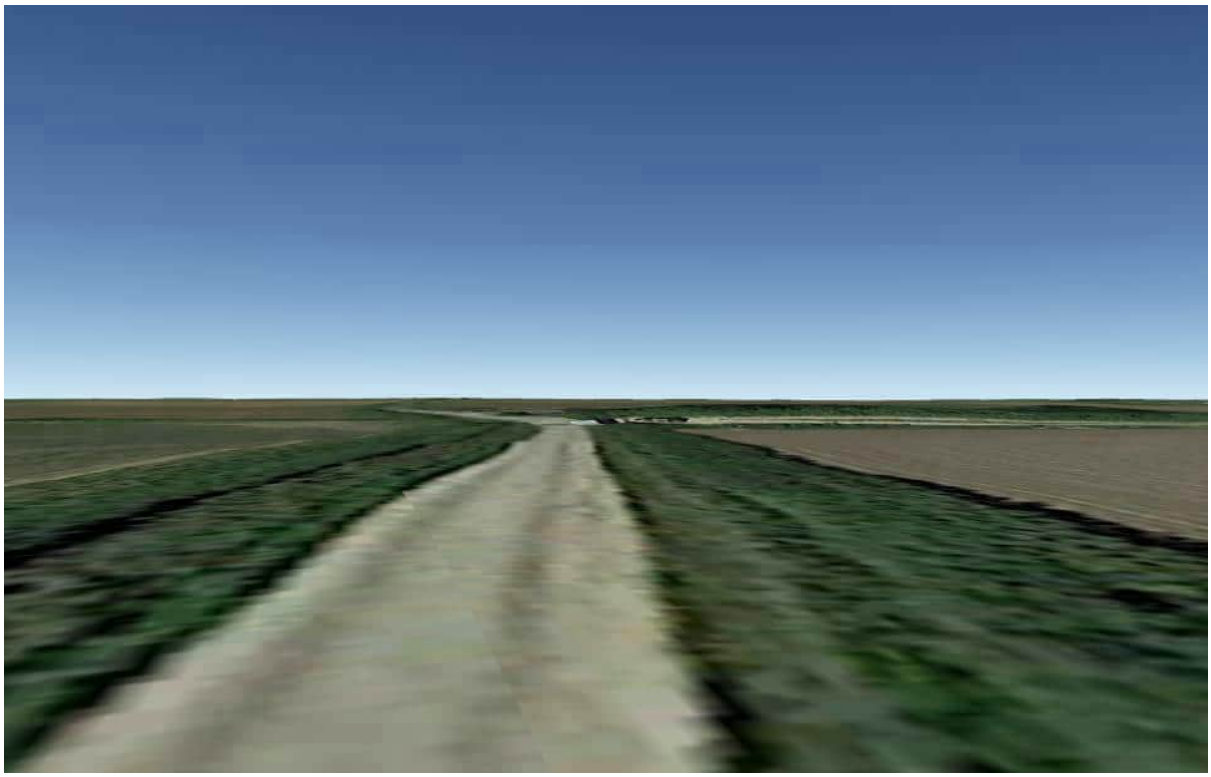
Looking East



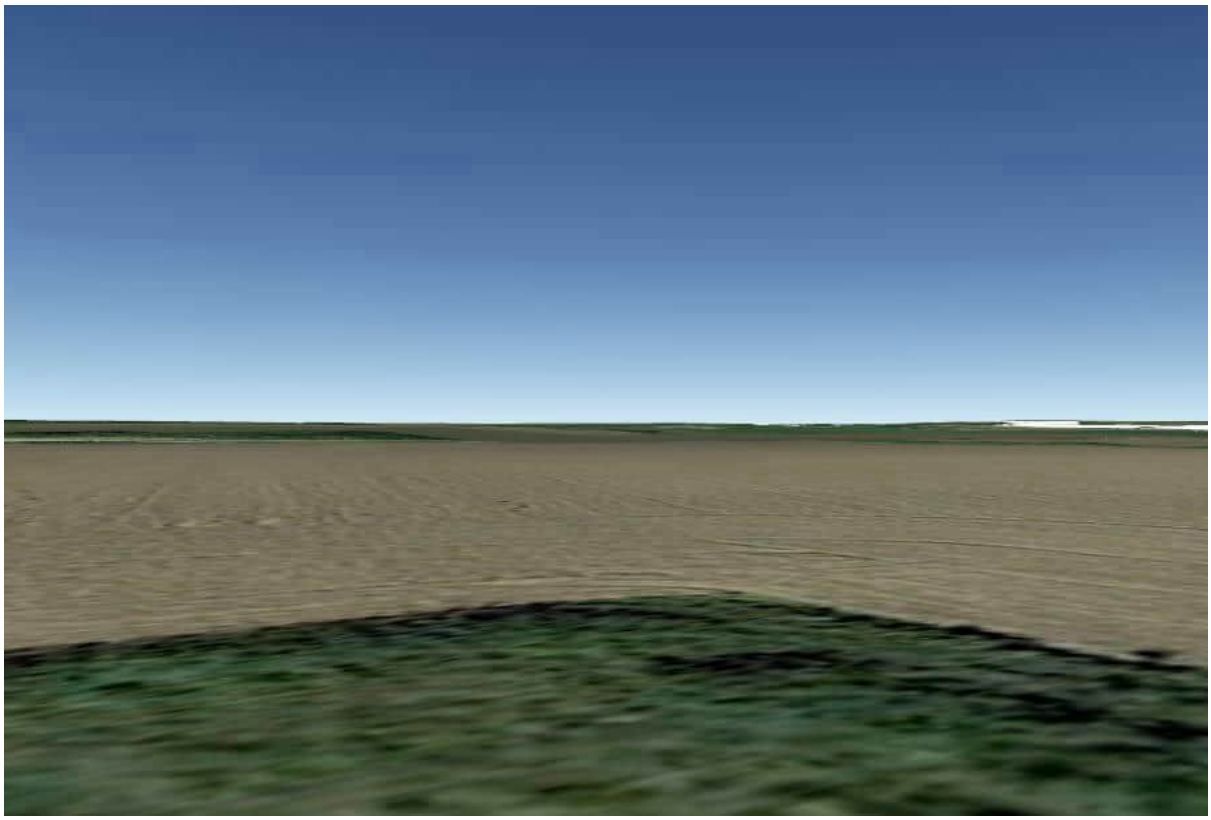
Looking West



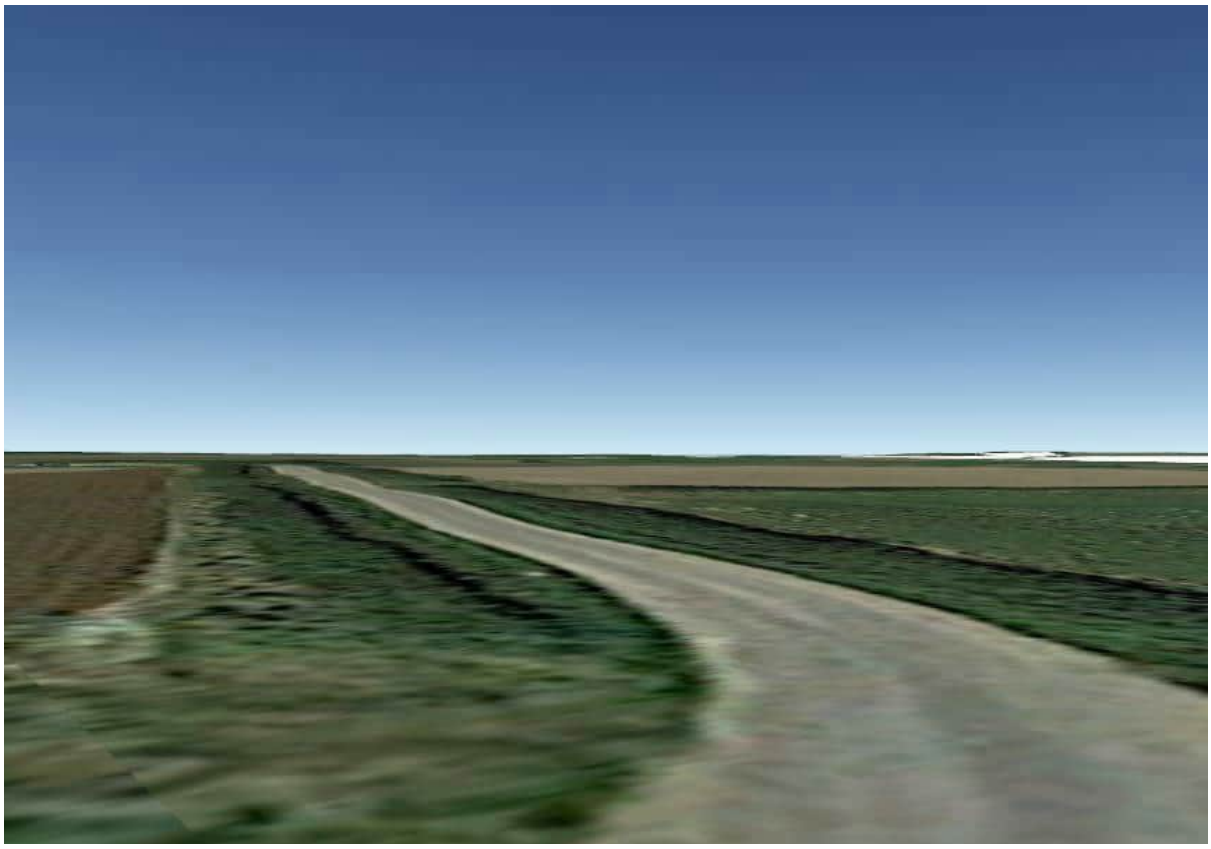
Receptor 169 (Group C Receptor 16)



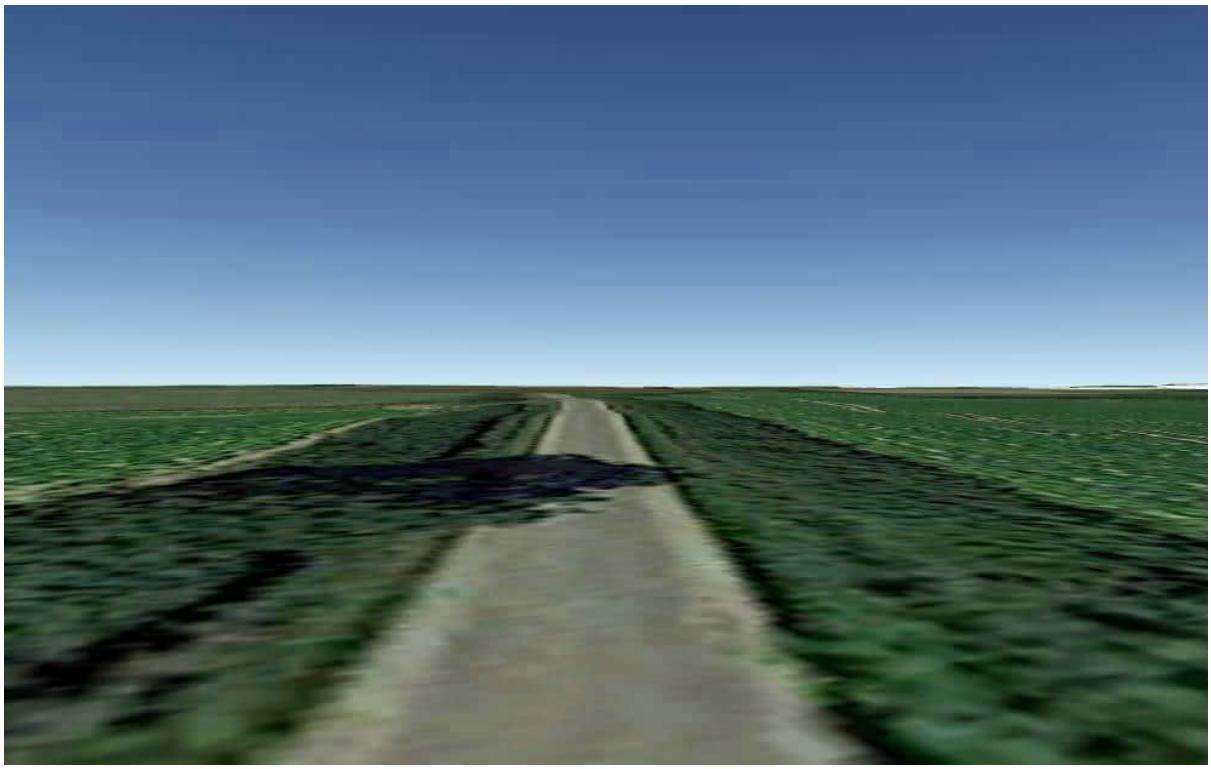
Receptor 170 (Group C Receptor 17)



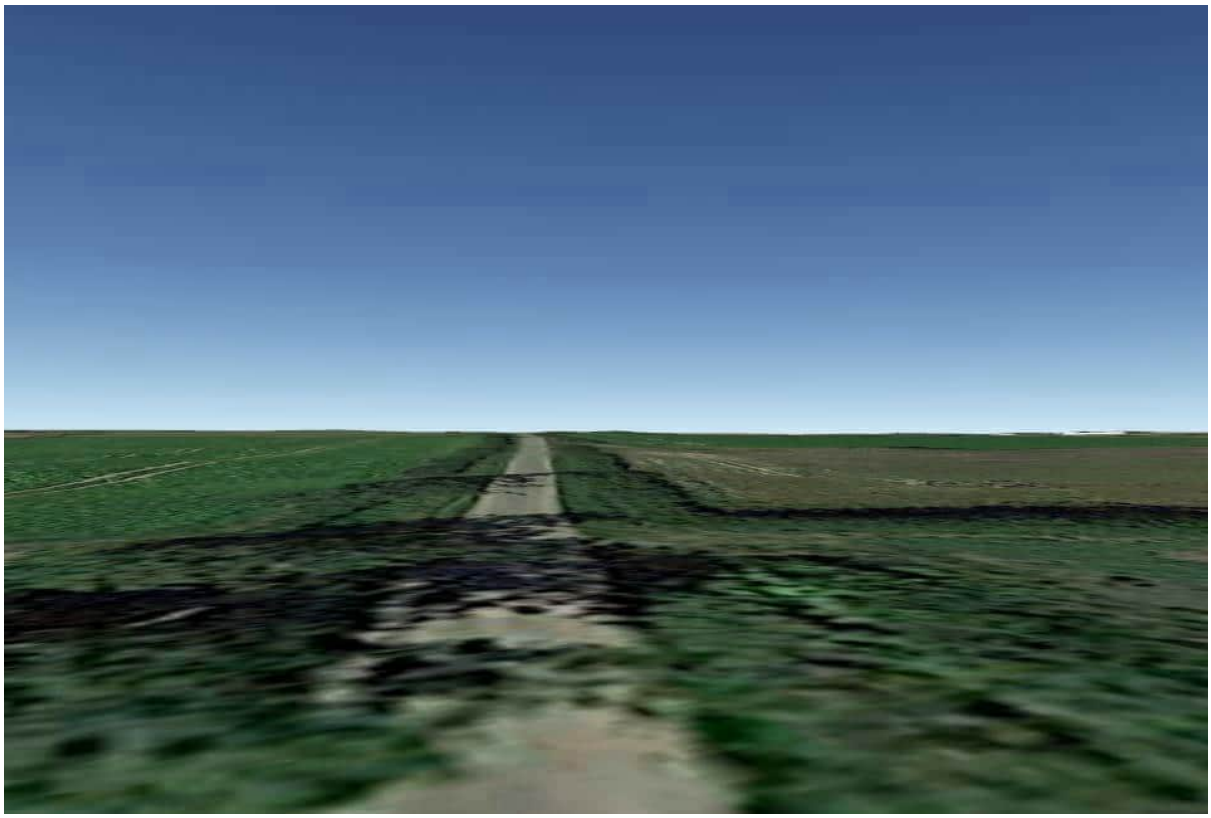
Receptor 171 (Group C Receptor 18)



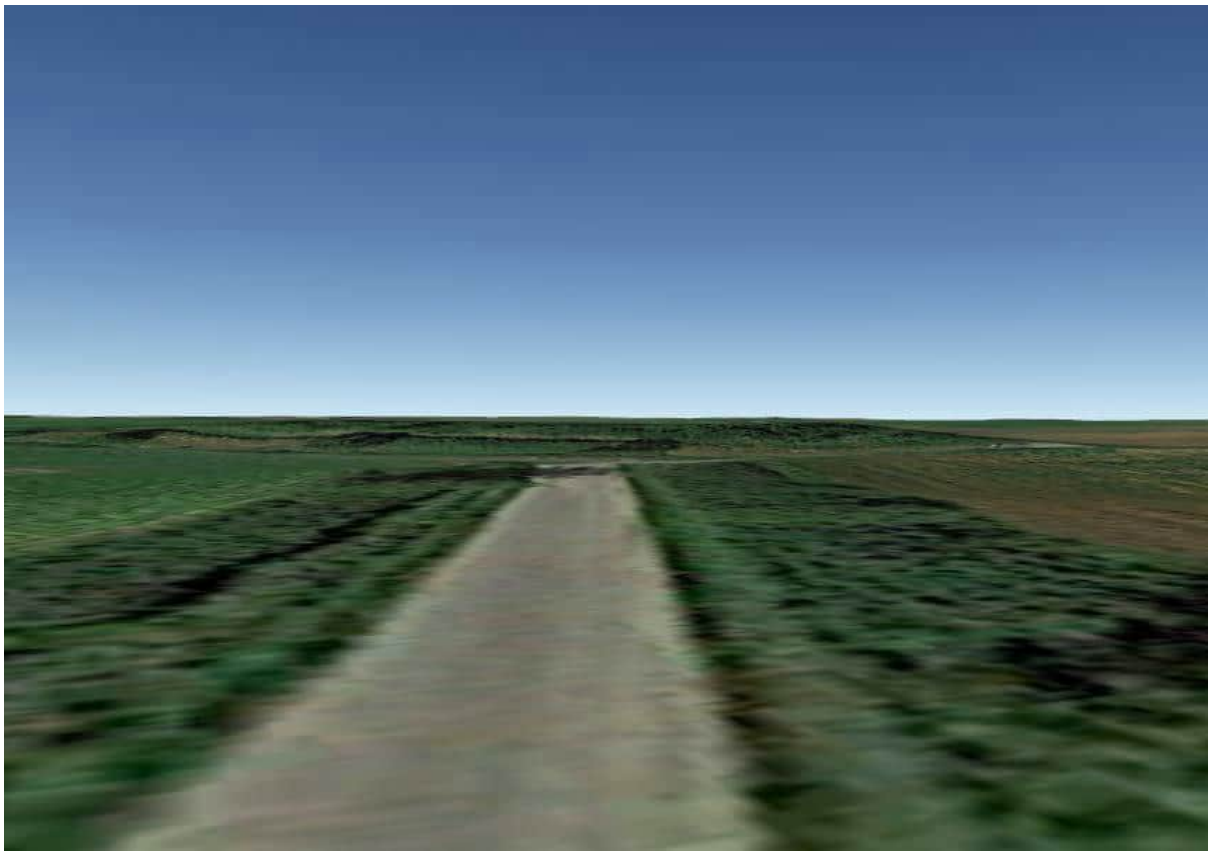
Receptor 172 (Group C Receptor 19)



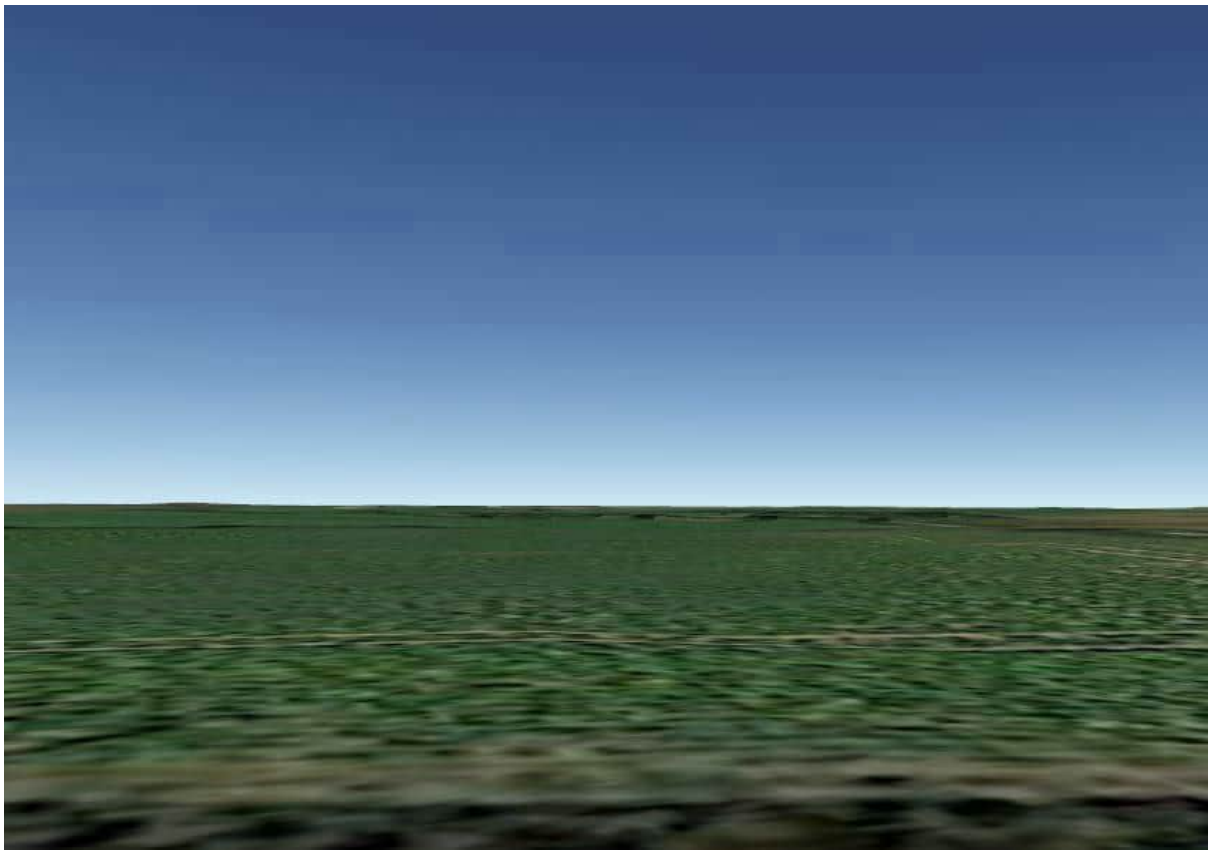
Receptor 173 (Group C Receptor 20)



Receptor 174 (Group C Receptor 21)

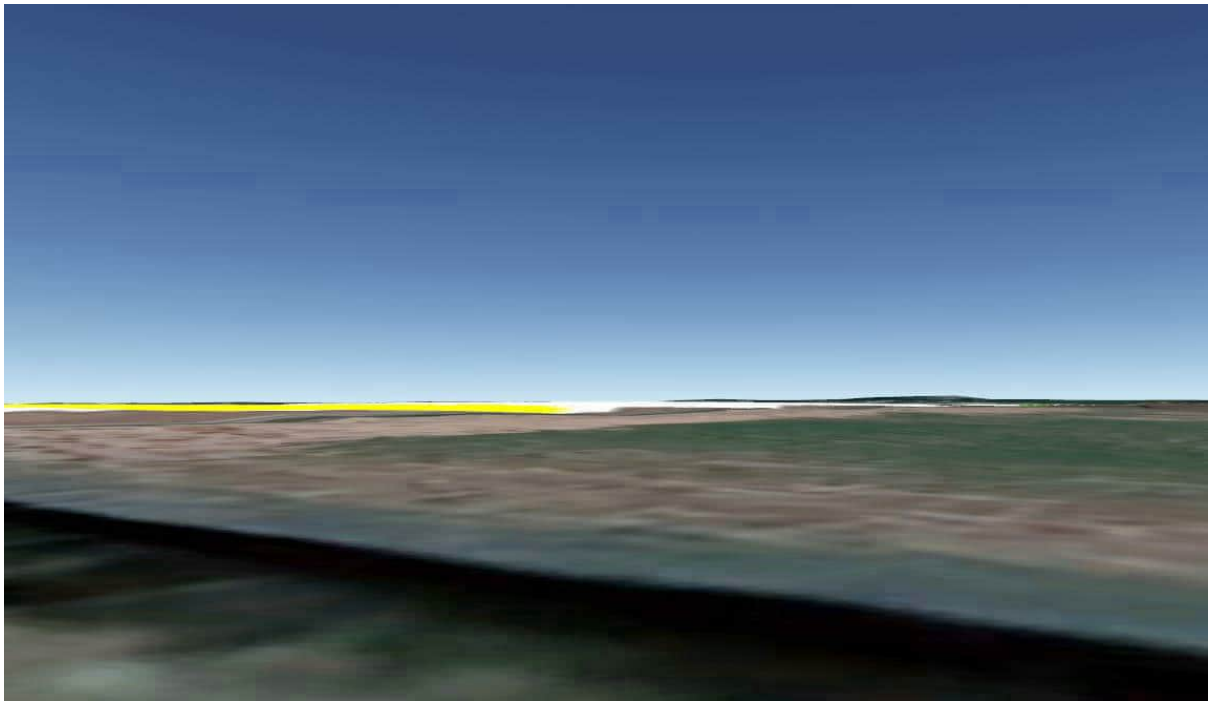


Receptor 175 (Group C Receptor 22)

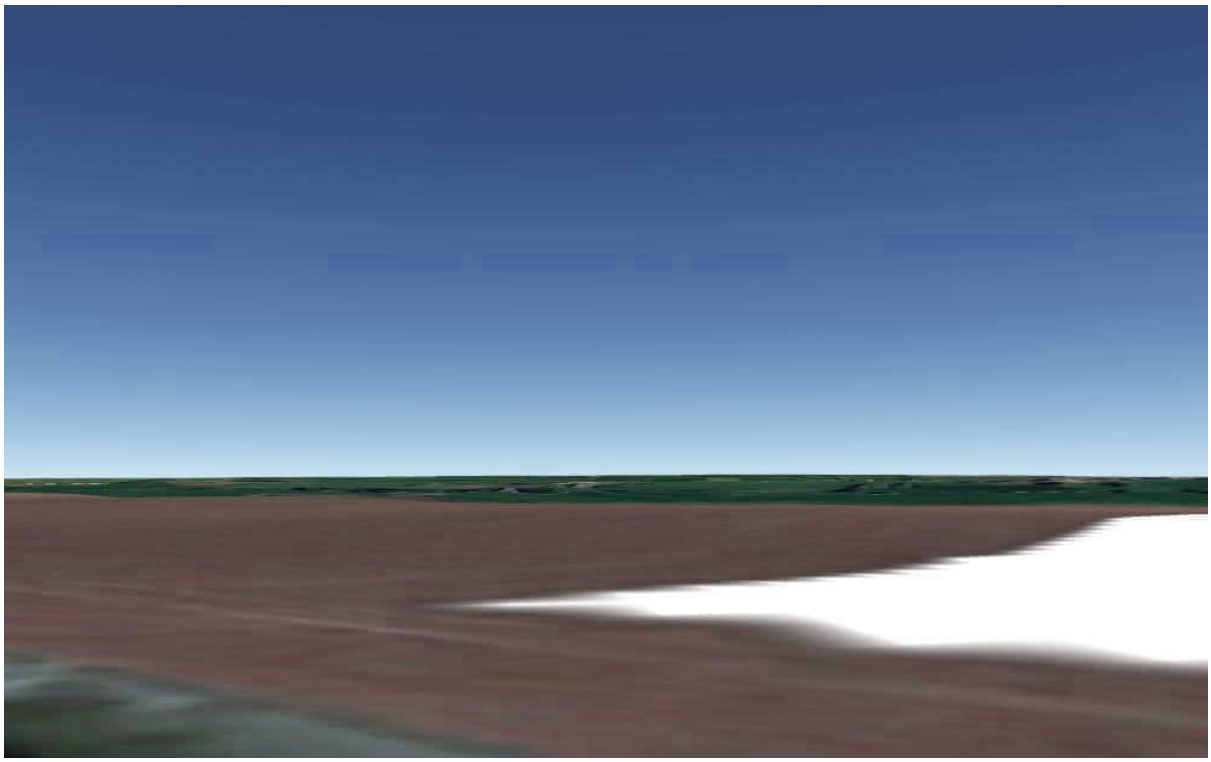


Receptor 176 (Group C Receptor 23)

Looking Southeast

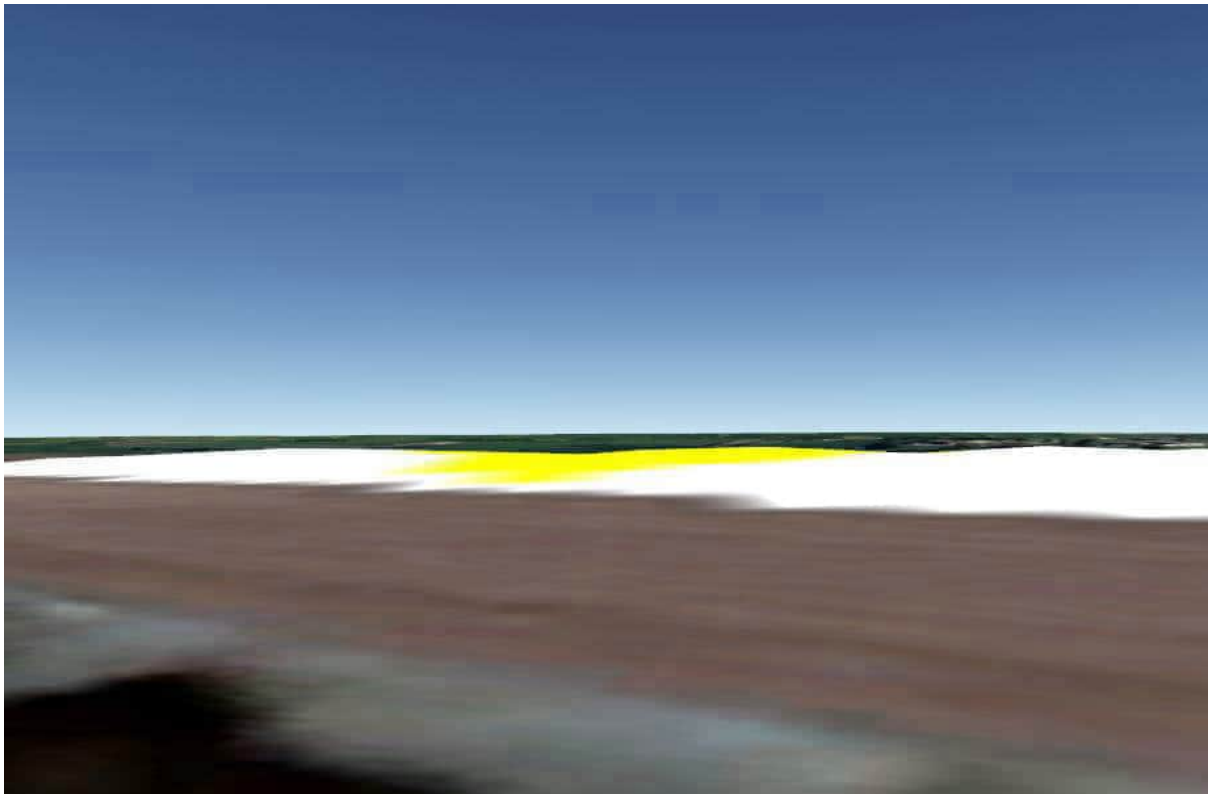


Looking East

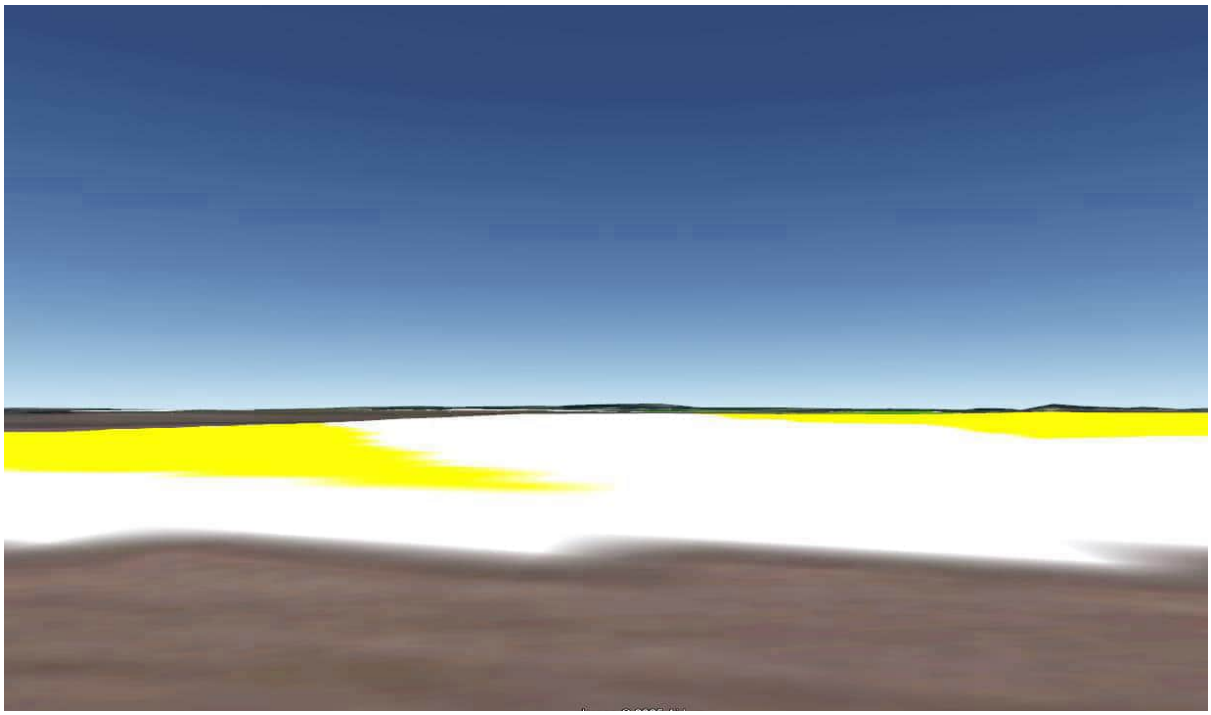


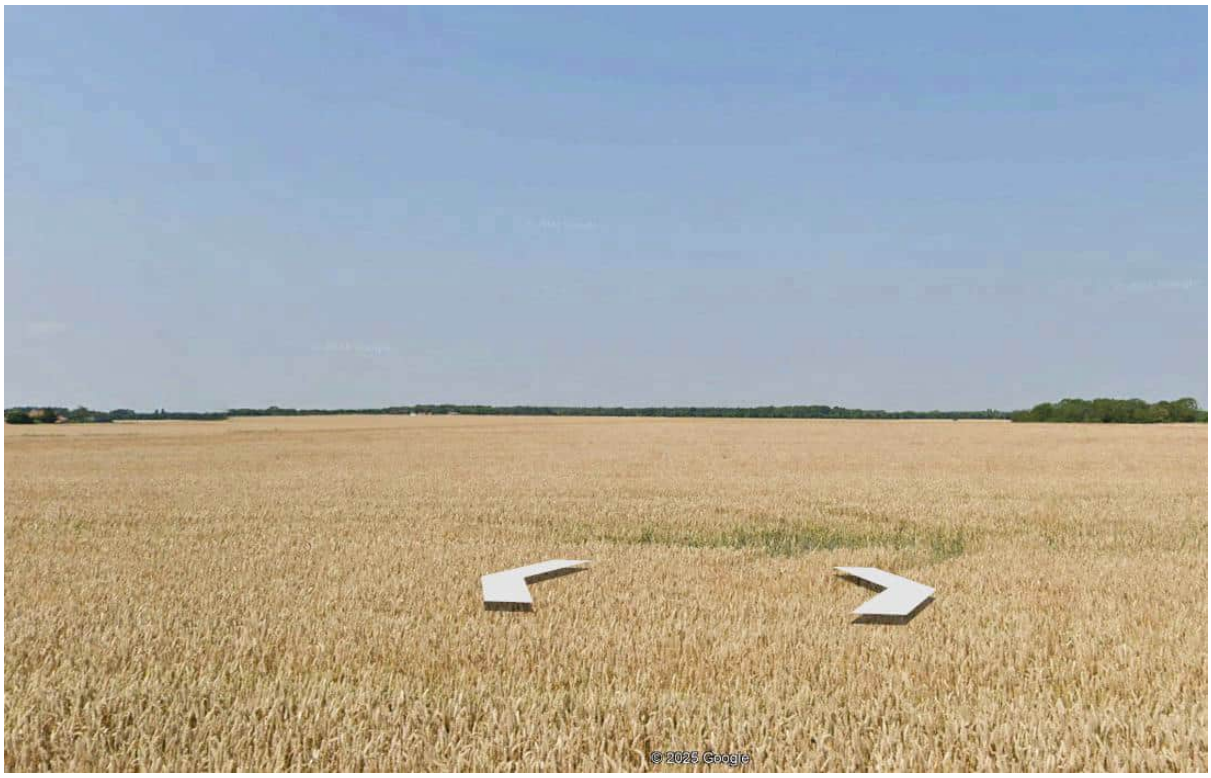
Receptor 177 (Group C Receptor 24)

Looking East



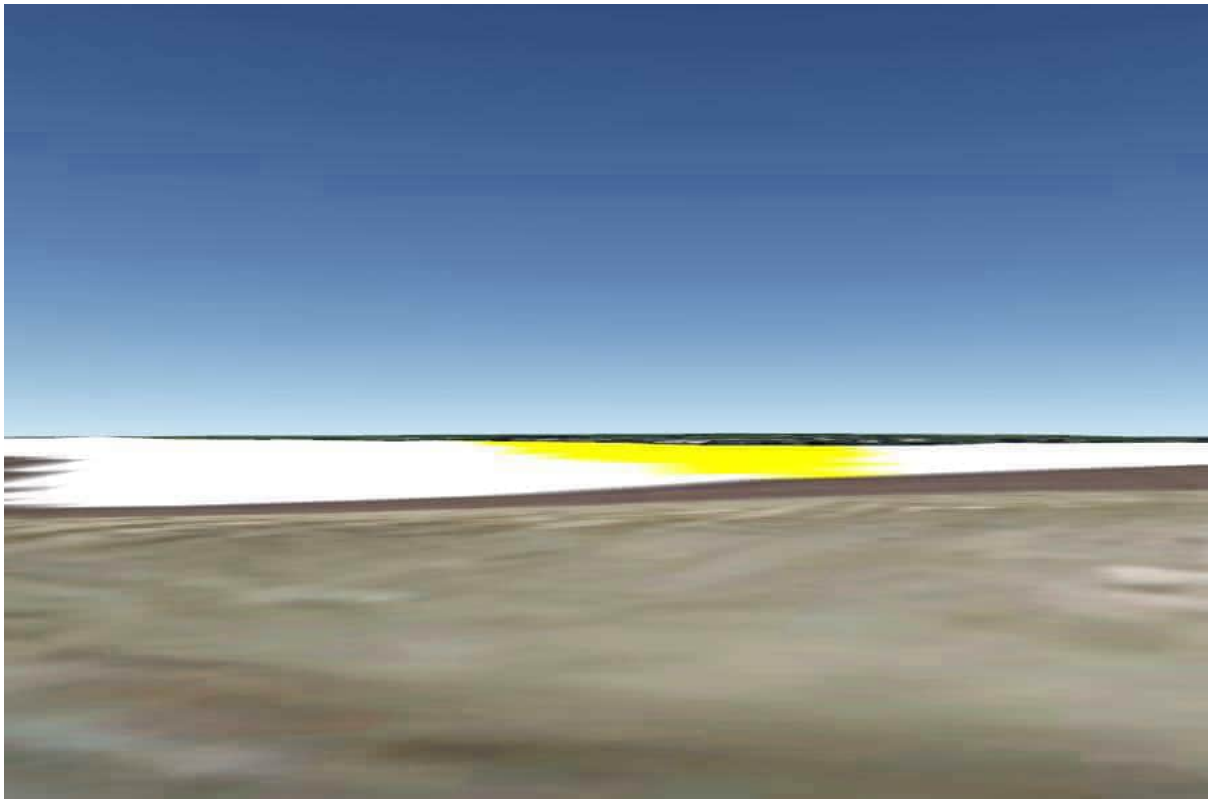
Looking West



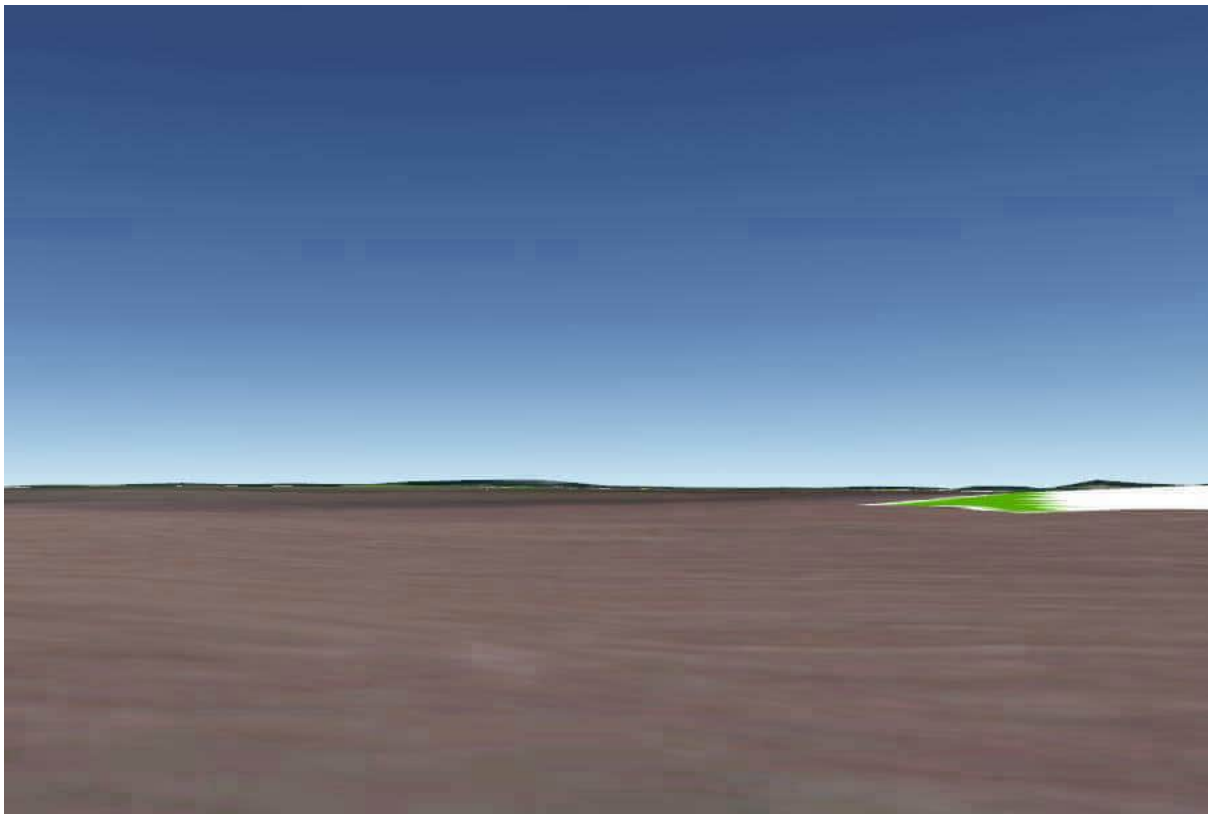


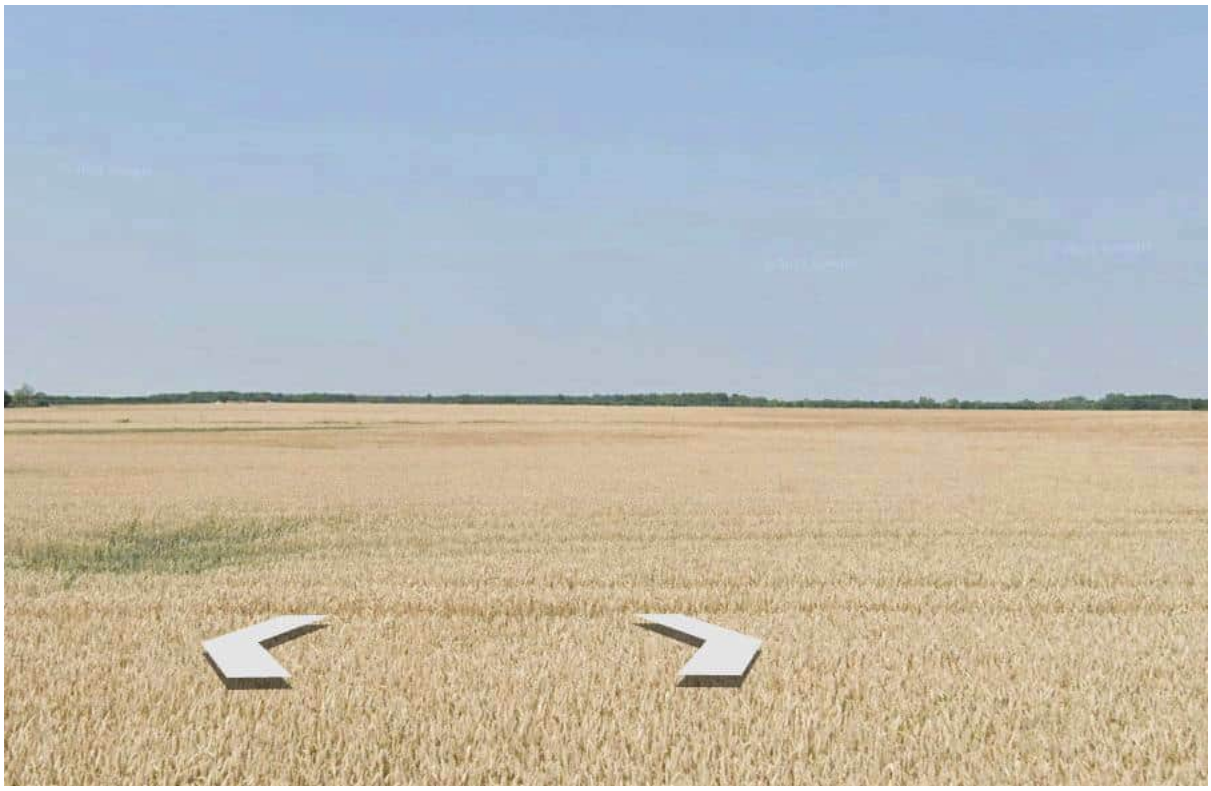
Receptor 178 (Group C Receptor 25)

Looking East



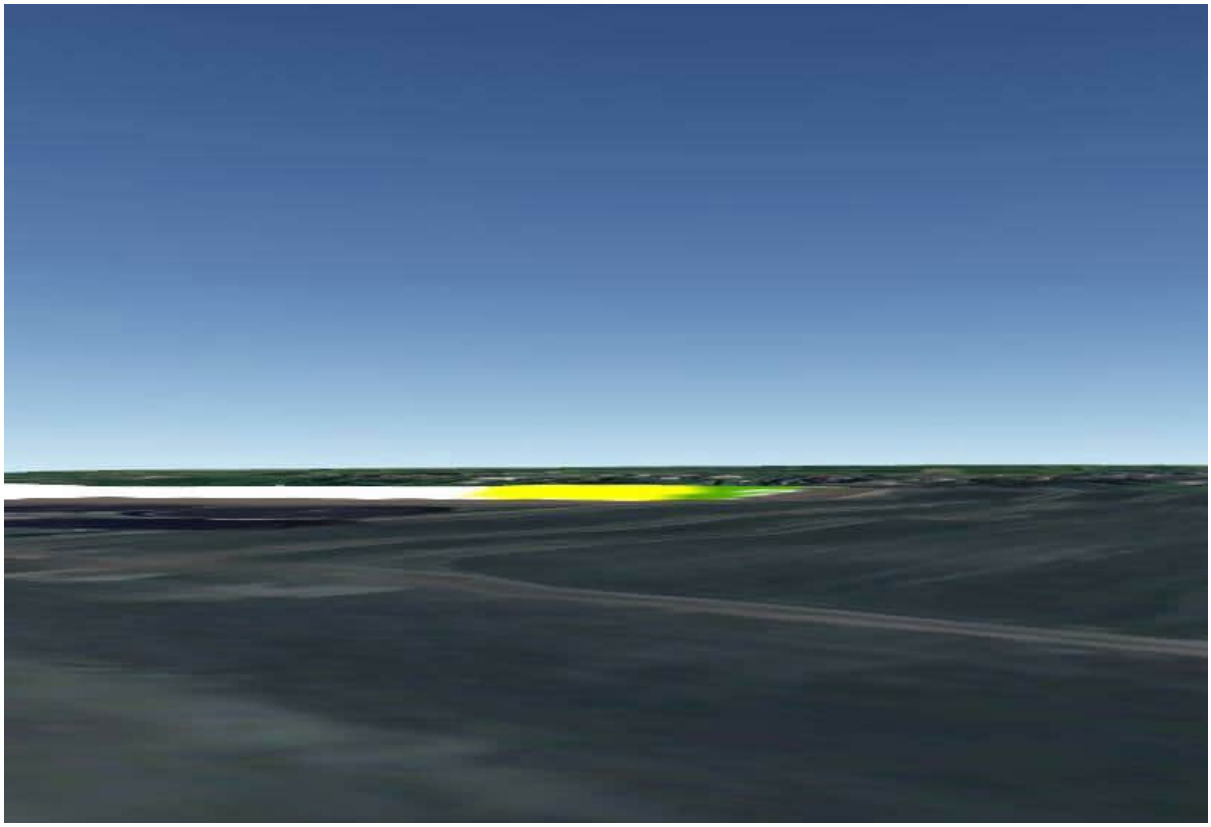
Looking West



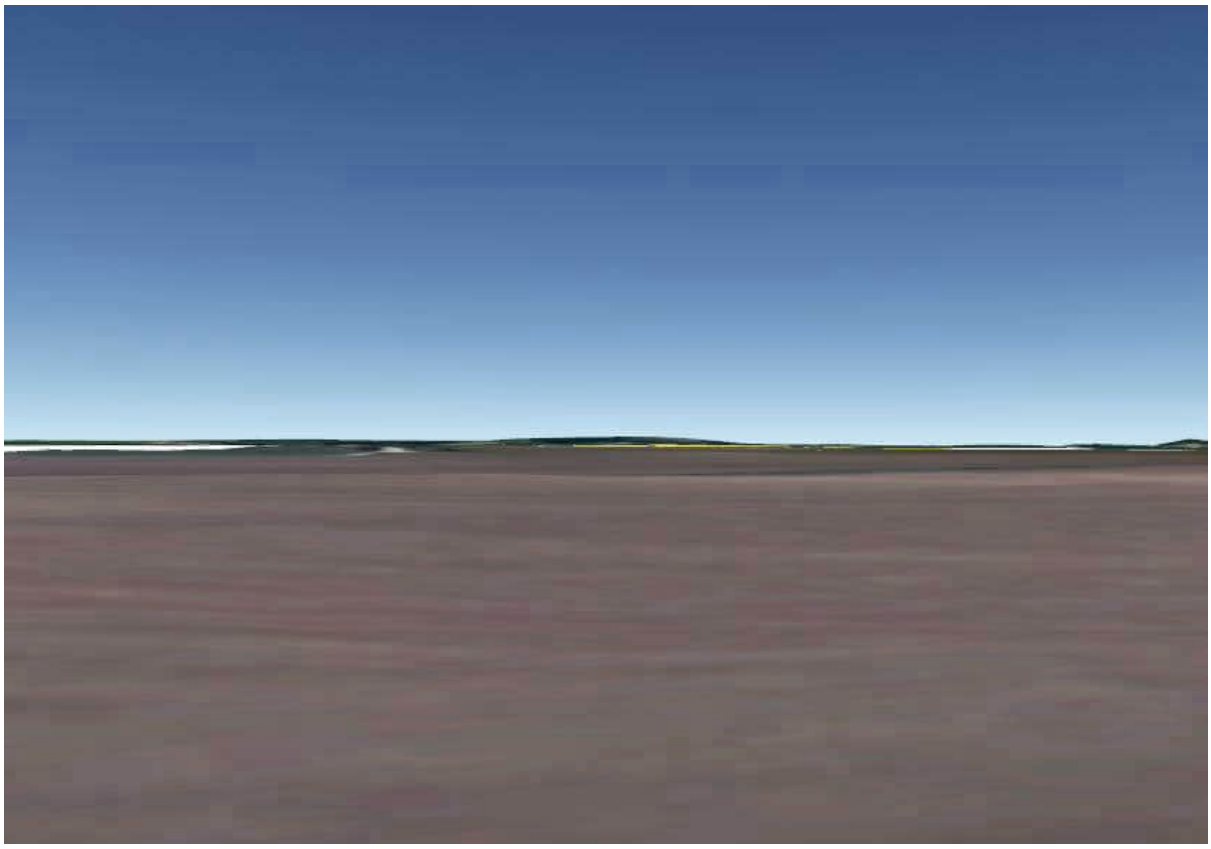


Receptor 179 (Group C Receptor 26)

Looking Northeast

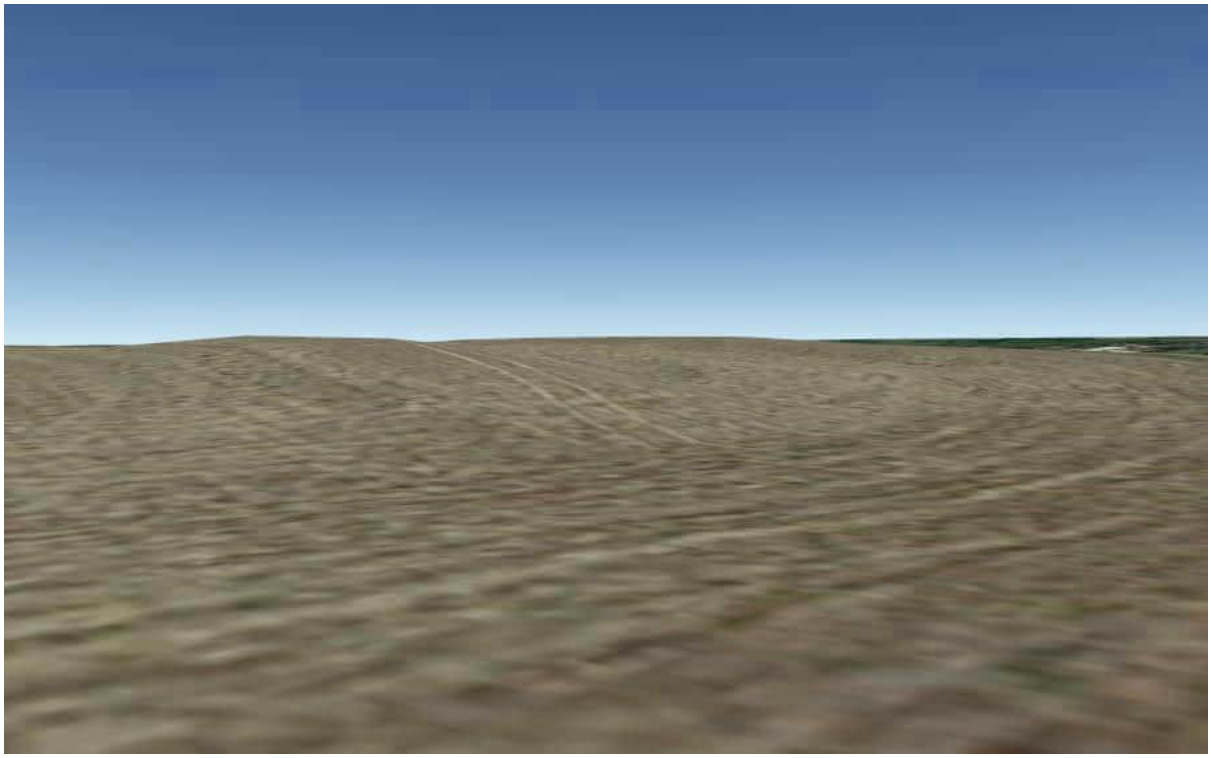


Looking West

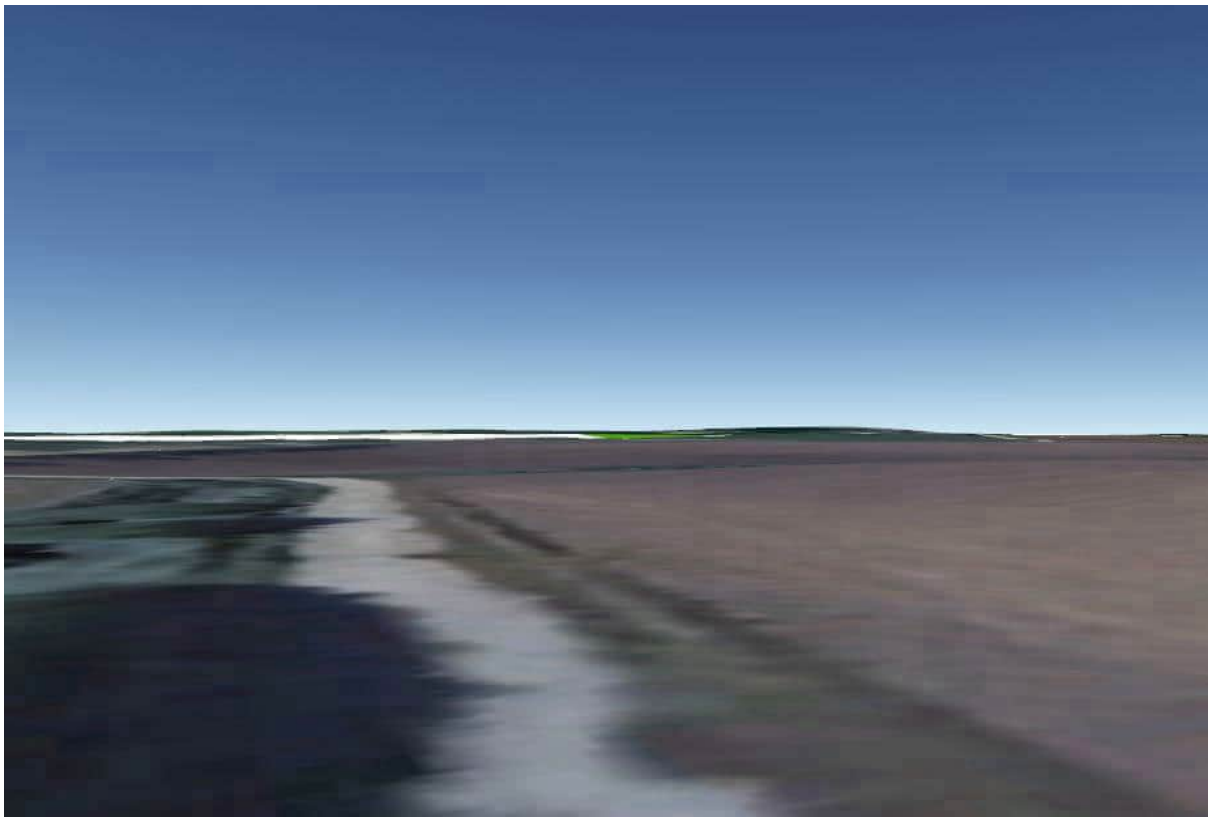


Receptor 180 (Group C Receptor 27)

Looking East

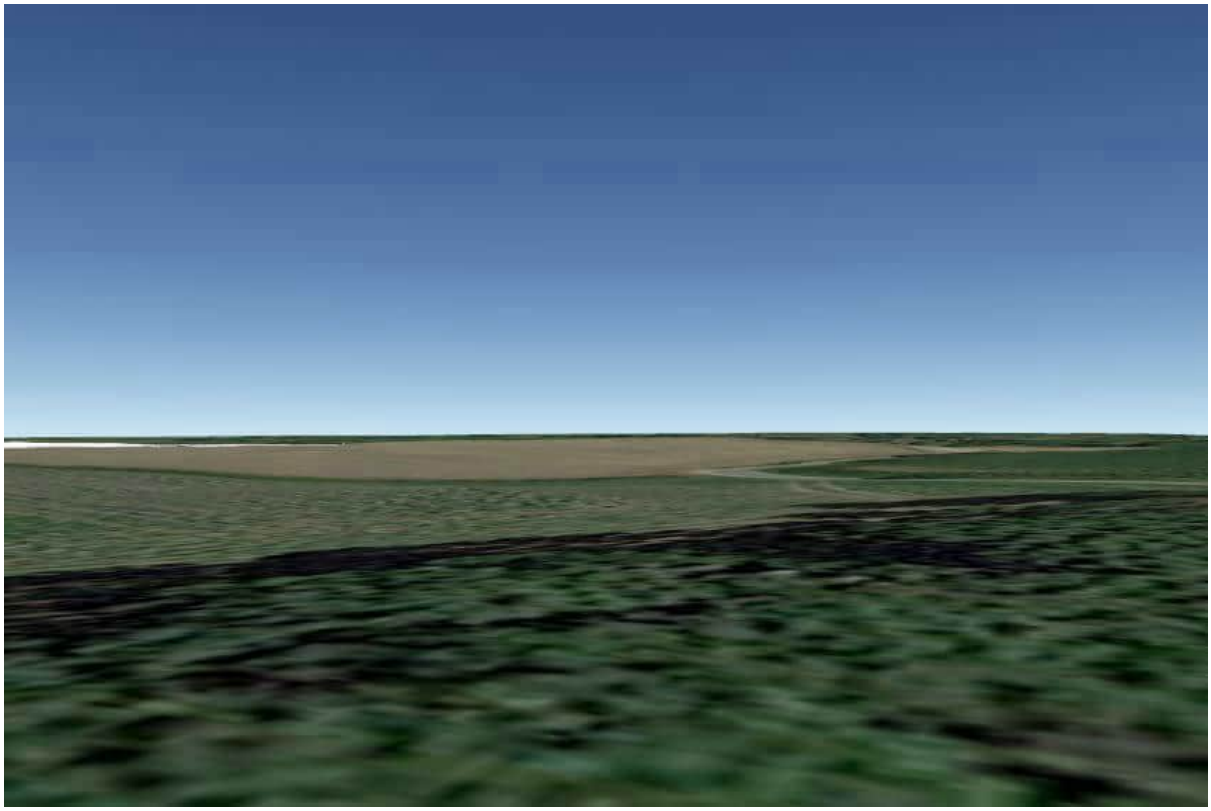


Looking West

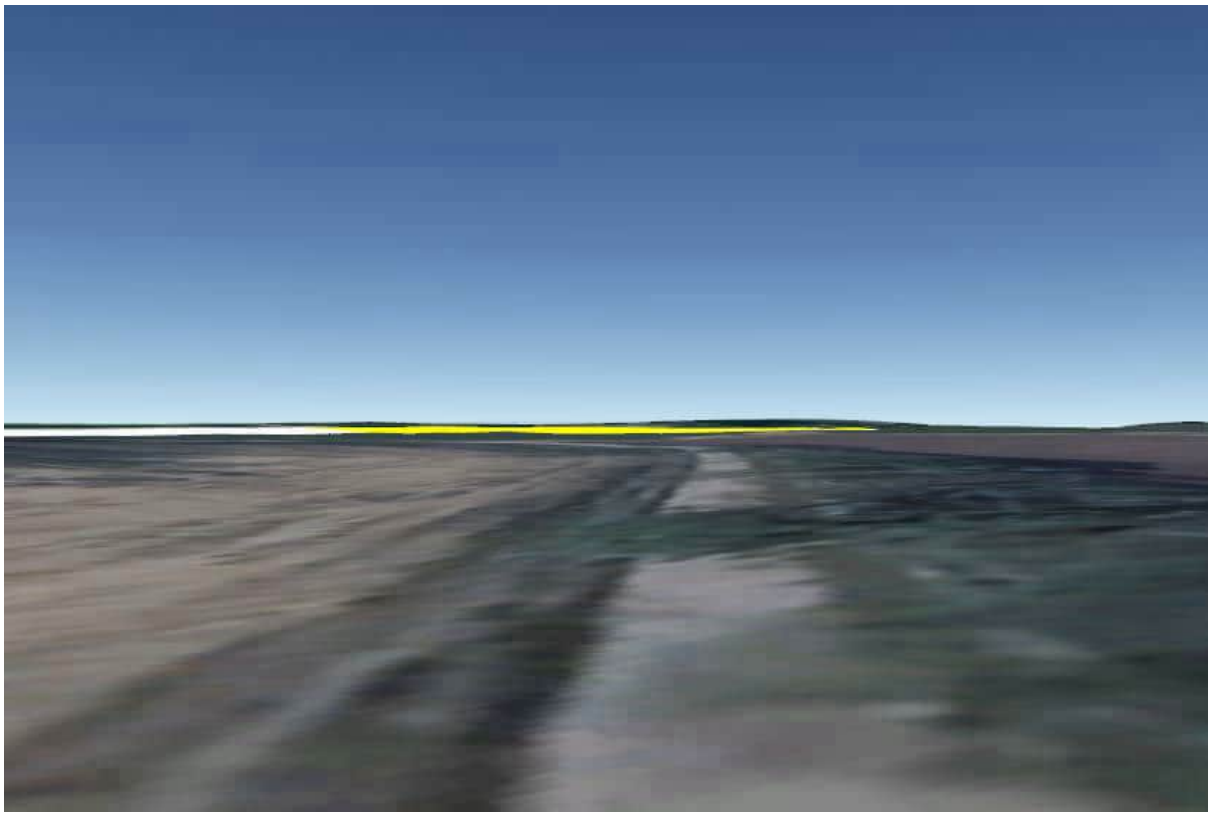


Receptor 181 (Group C Receptor 28)

Looking East

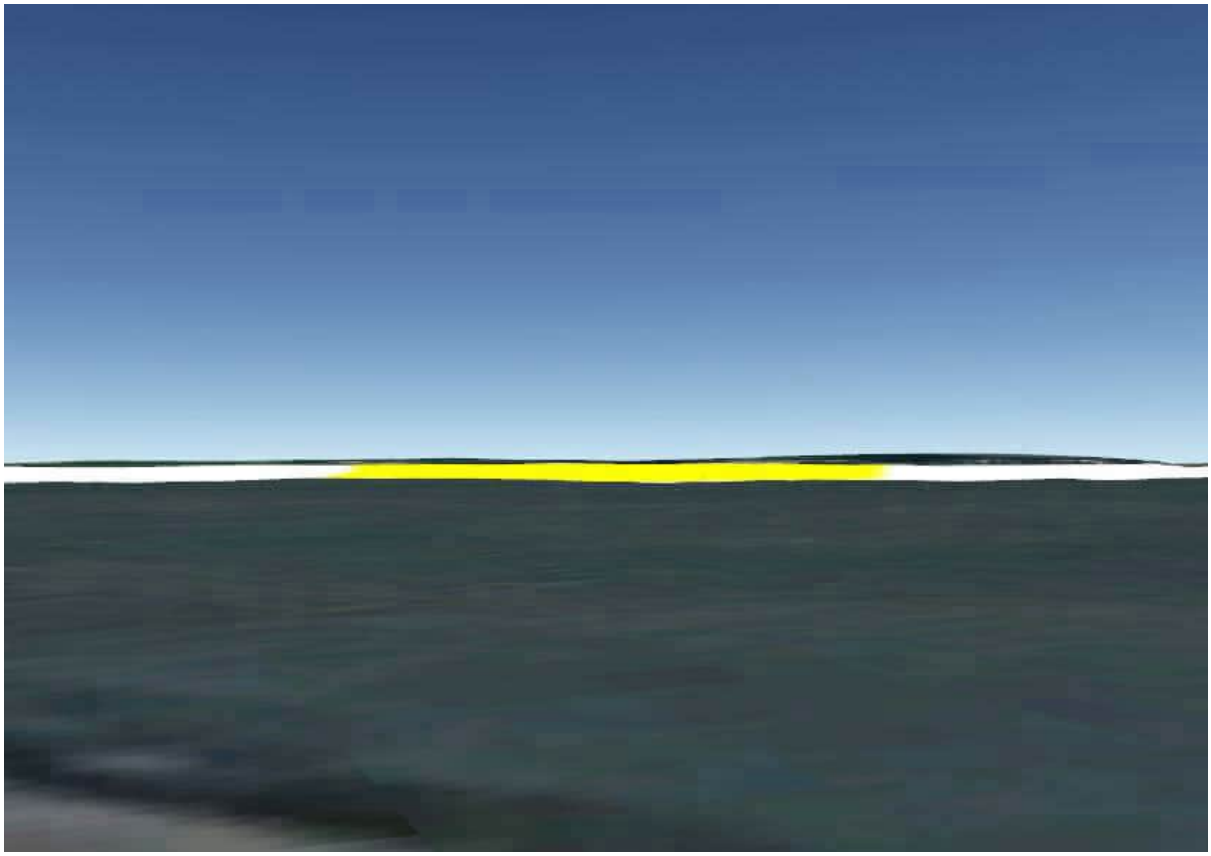


Looking West

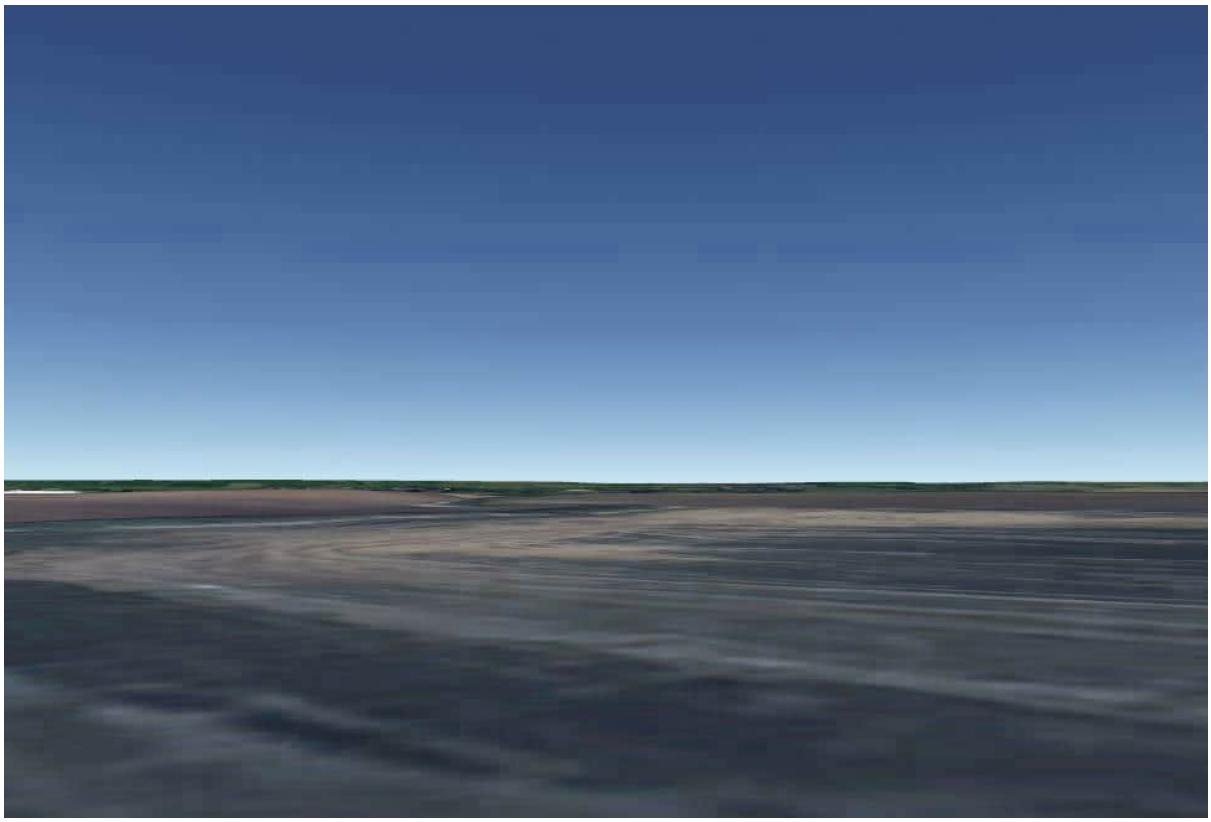


Receptor 182 (Group C Receptor 29)

Looking West



Looking Northeast



Receptor 183 (Group C Receptor 30)

Looking East

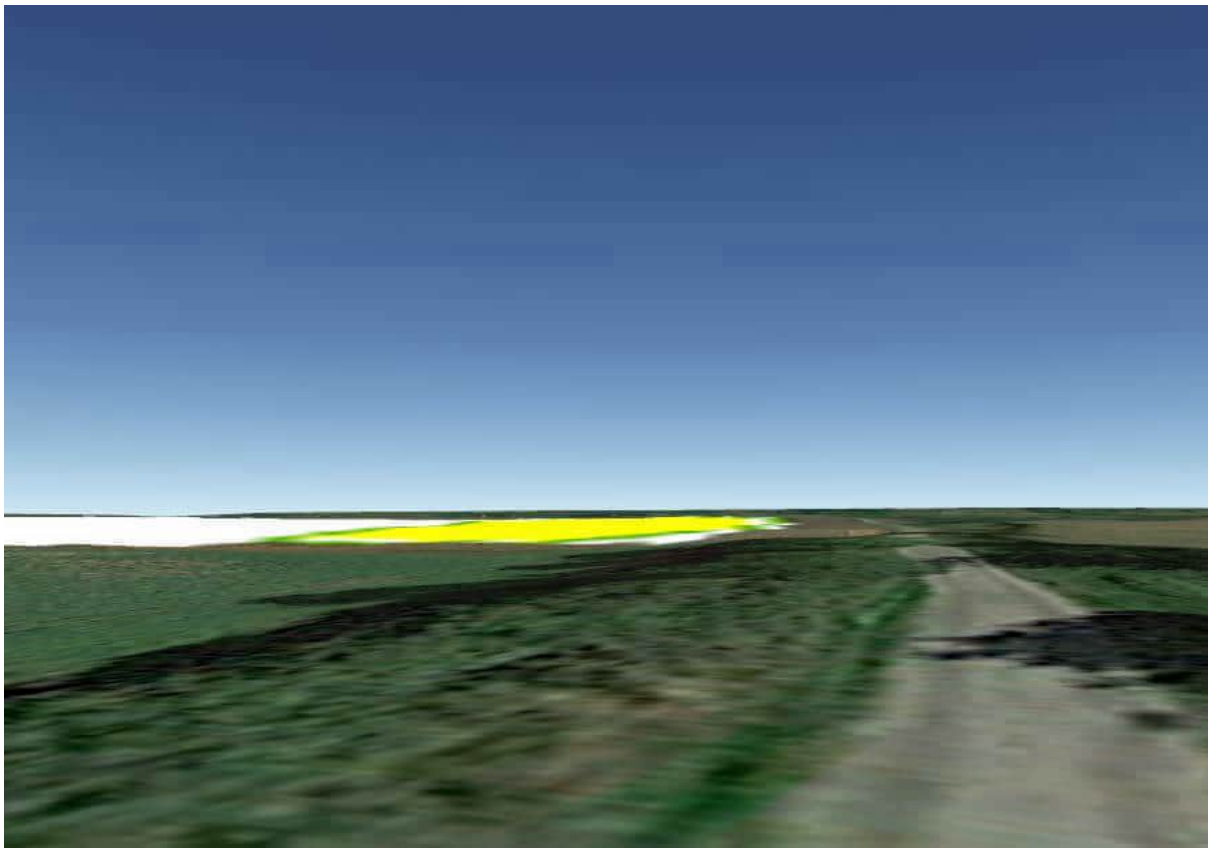
Receptor 184 (Group C Receptor 31)

Looking Northeast

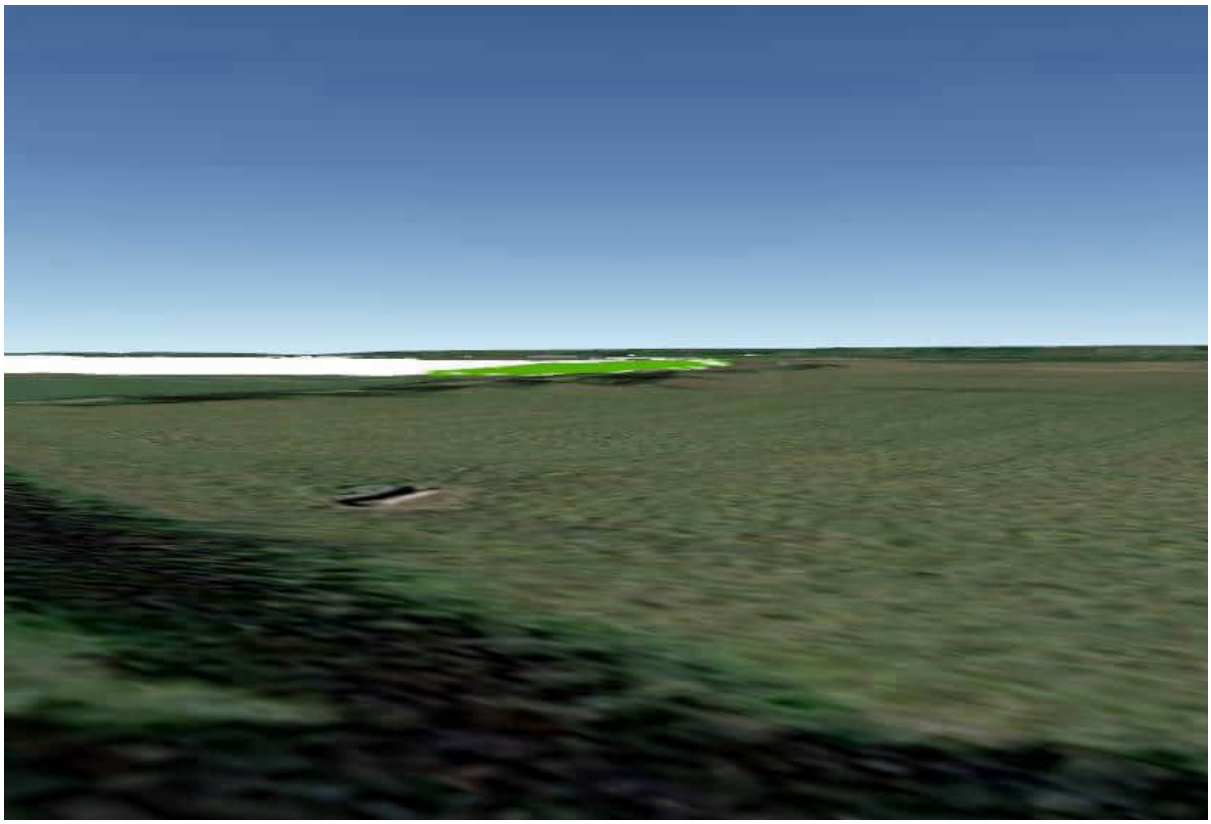
Receptor 185 (Group C Receptor 32)

Looking Northeast

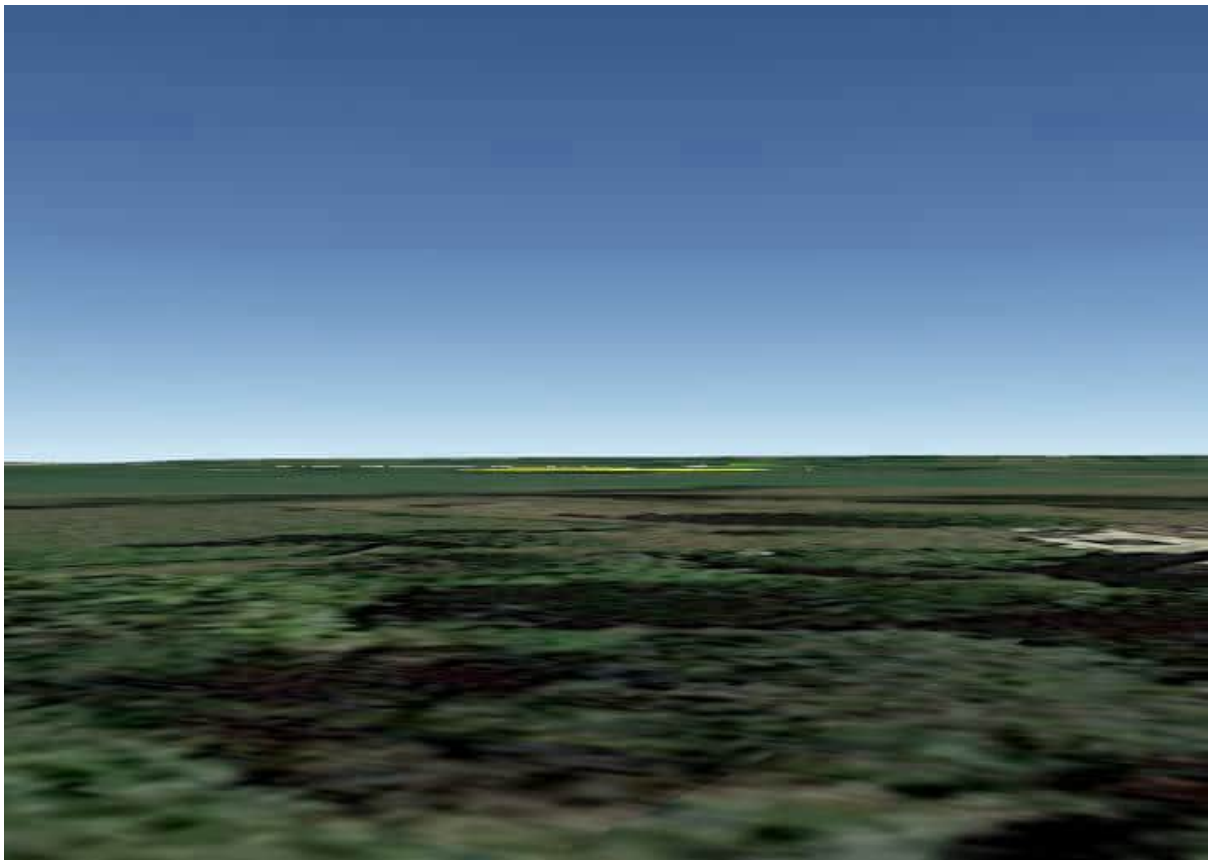
Receptor 186 (Group C Receptor 33)

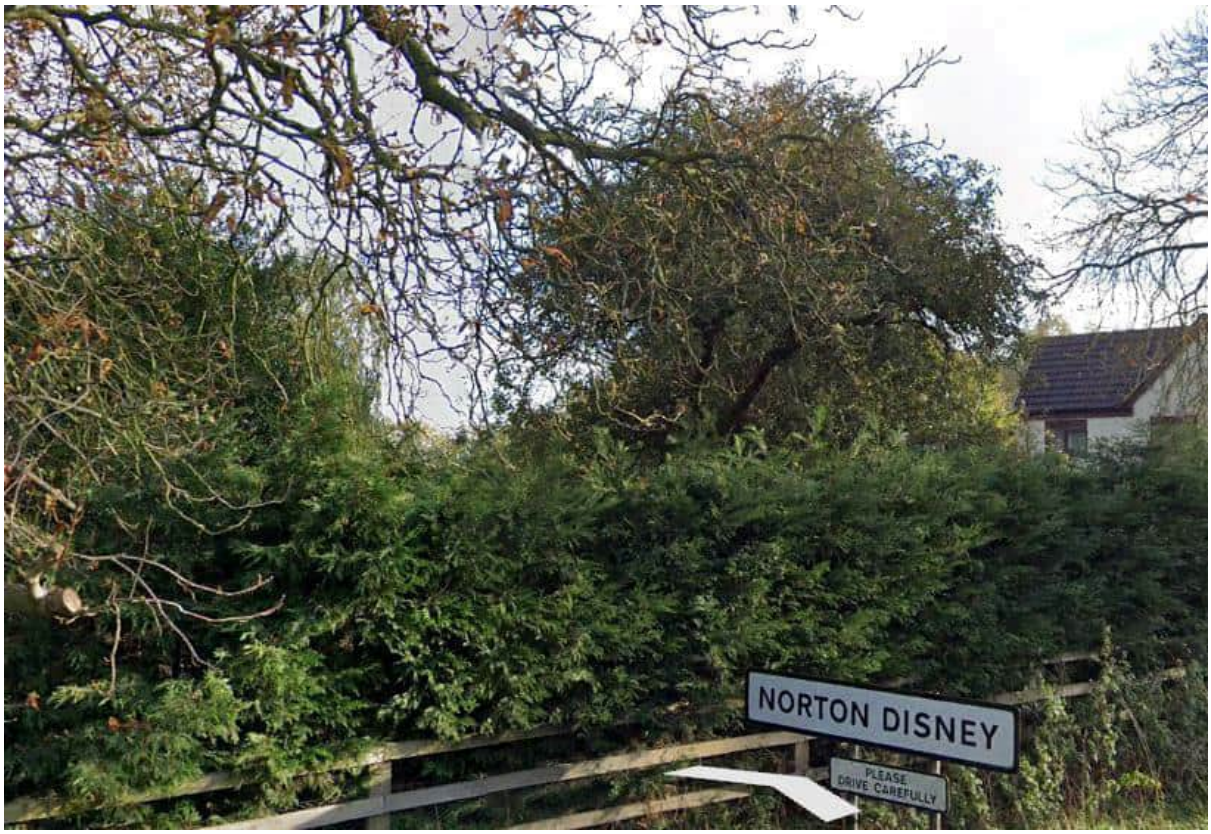


Receptor 187 (Group C Receptor 34)

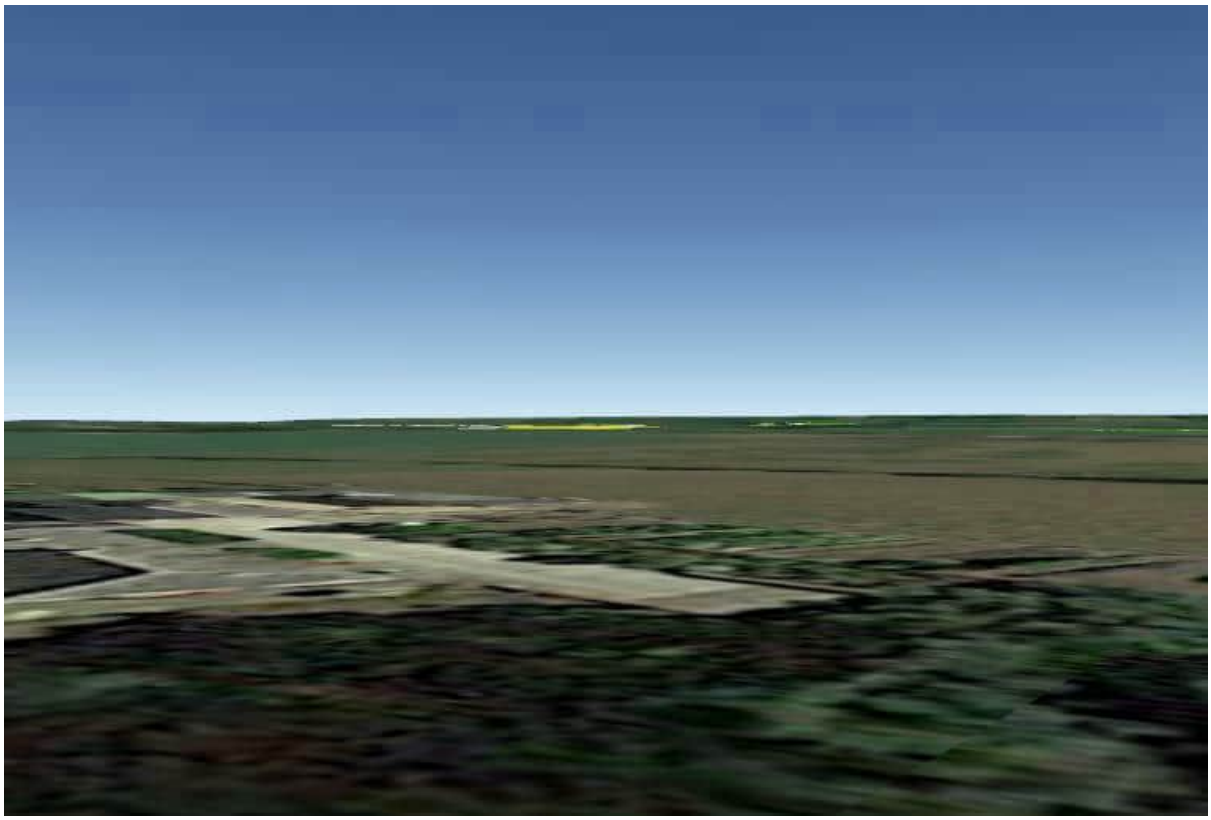


Receptor 188 (Group C Receptor 35)

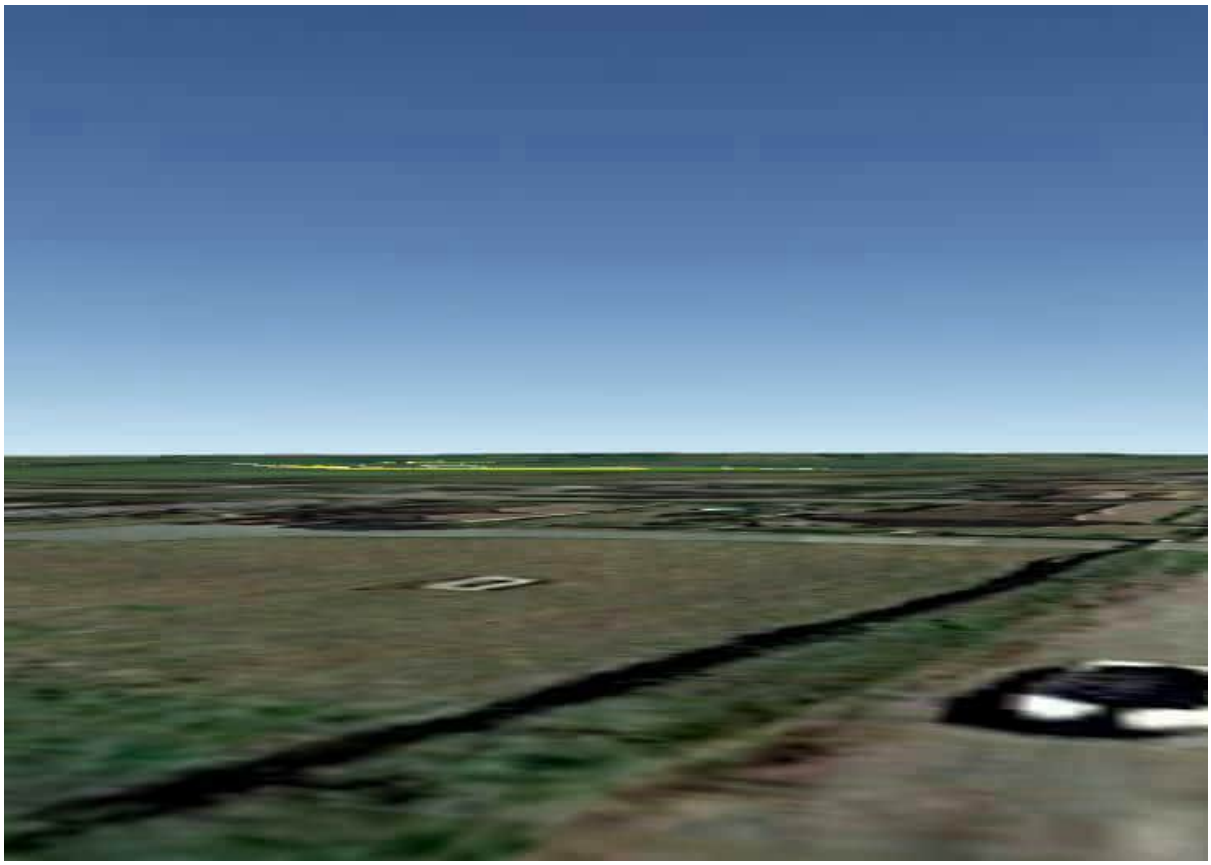




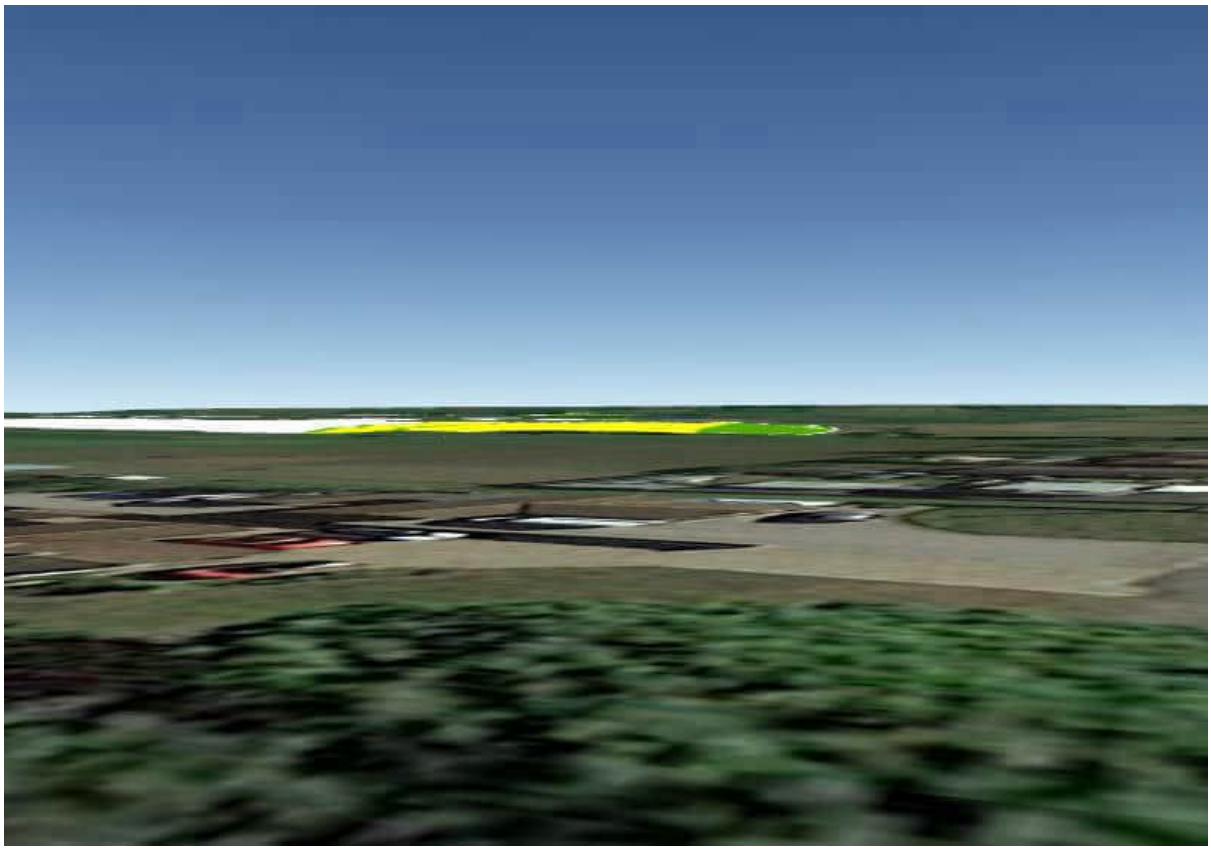
Receptor 189 (Group C Receptor 36)



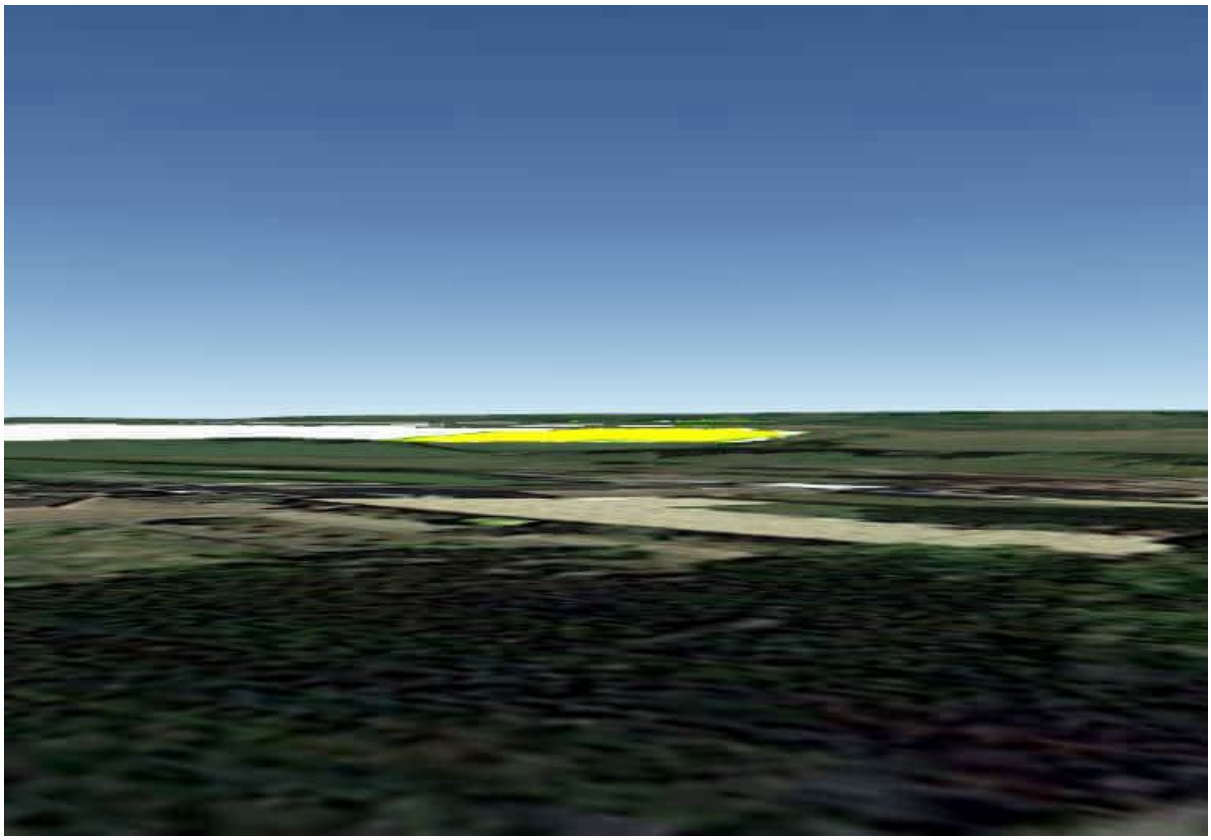
Receptor 190 (Group C Receptor 37)



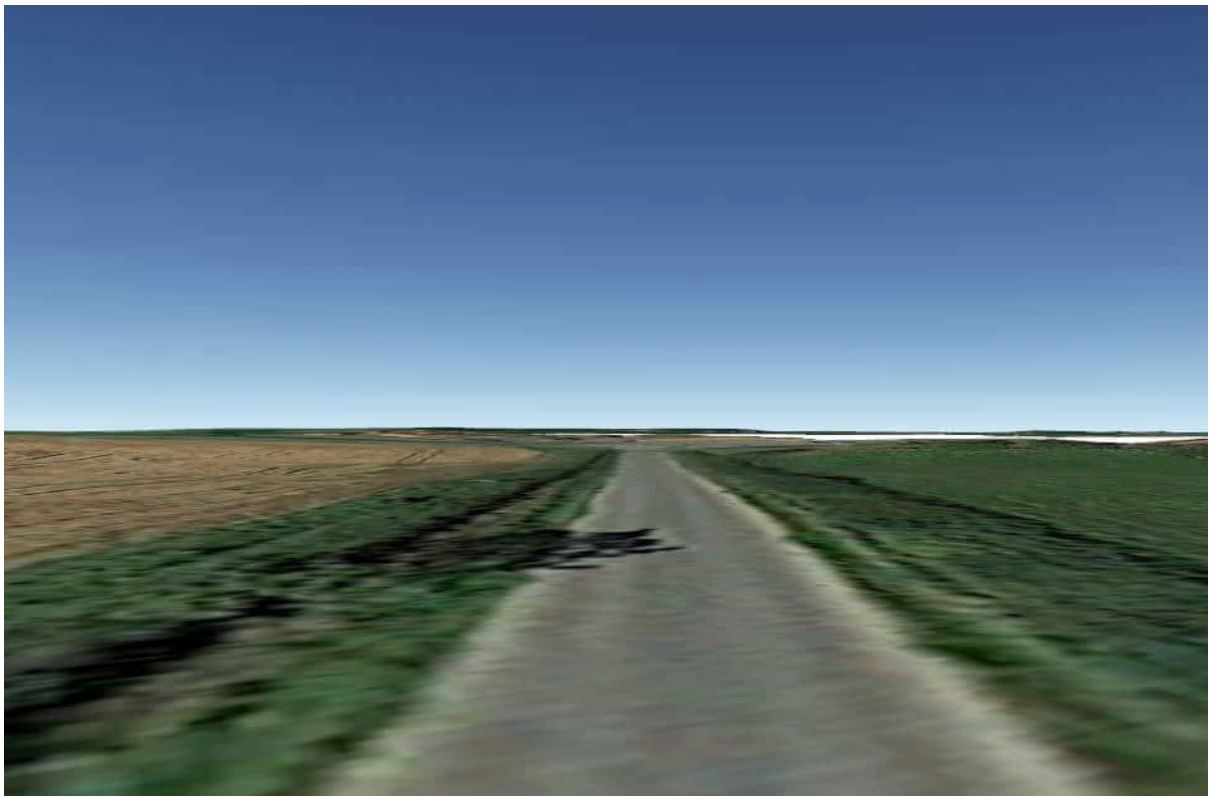
Receptor 191 (Group C Receptor 38)



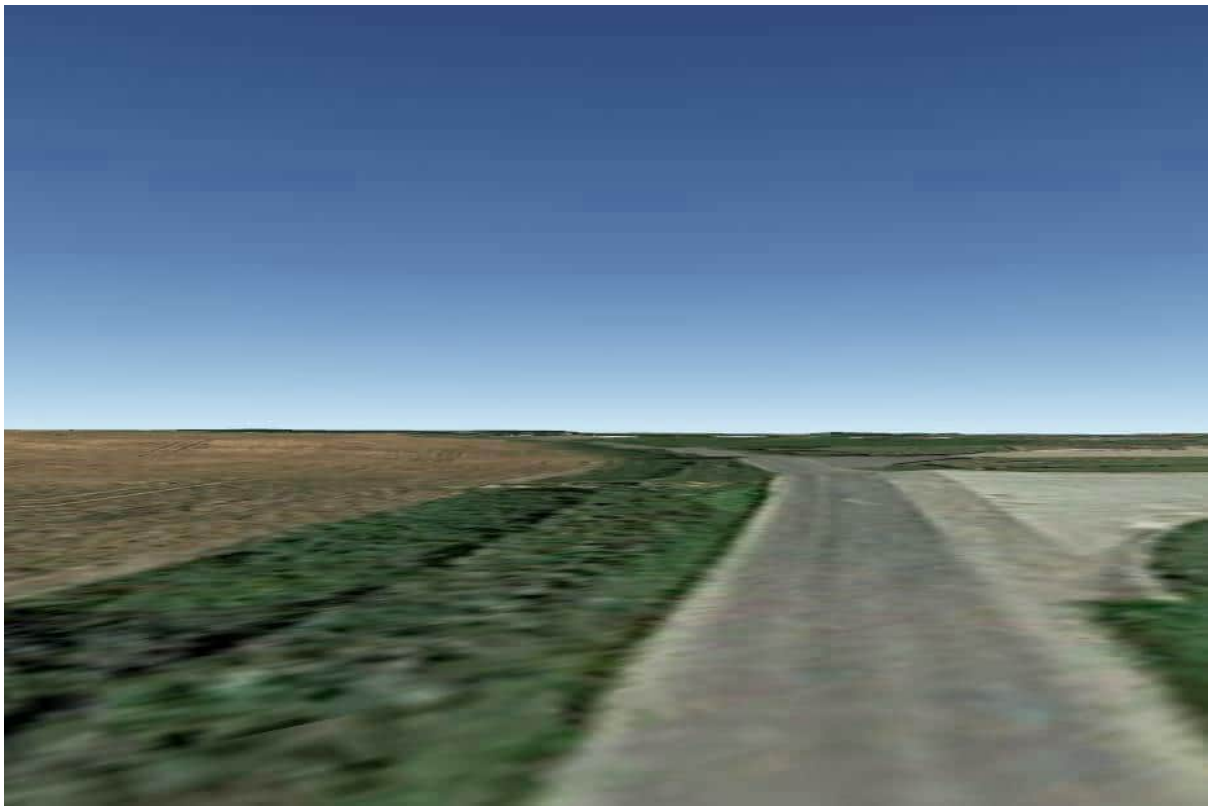
Receptor 192 (Group C Receptor 39)



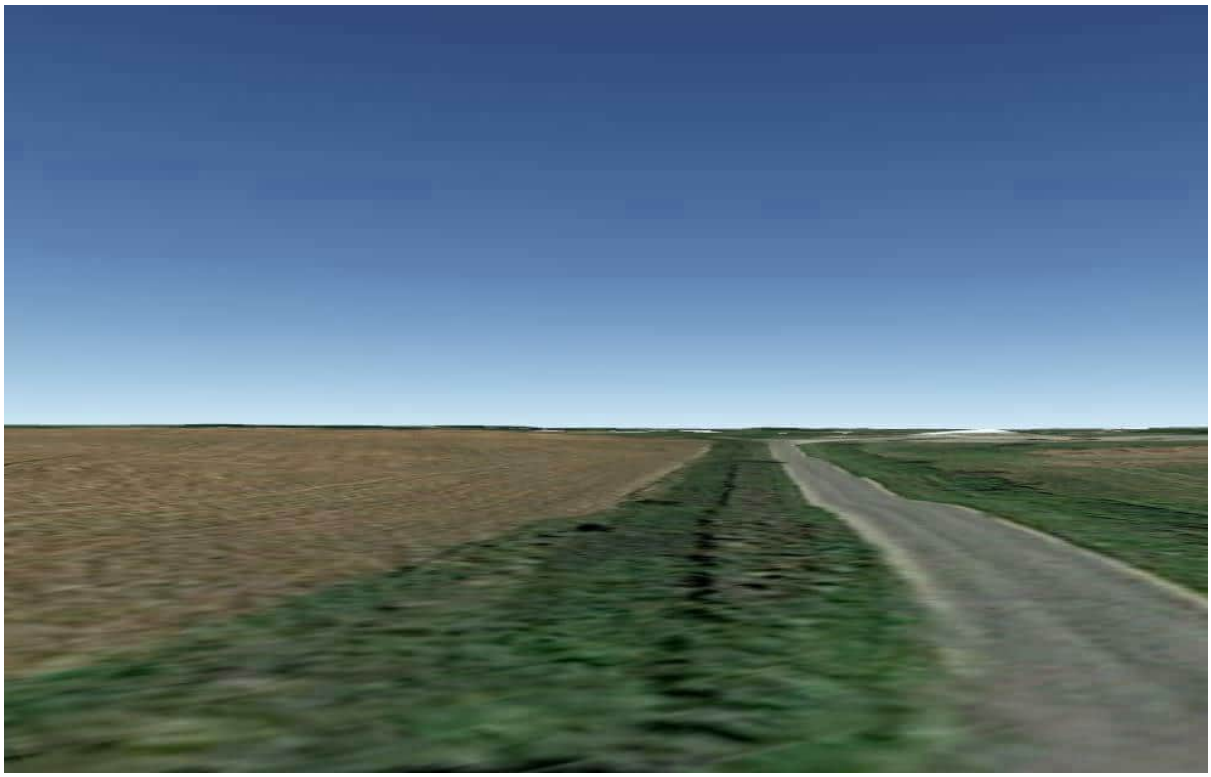
Receptor 193 (Group C Receptor 40)



Receptor 194 (Group C Receptor 41)



Receptor 195 (Group C Receptor 42)

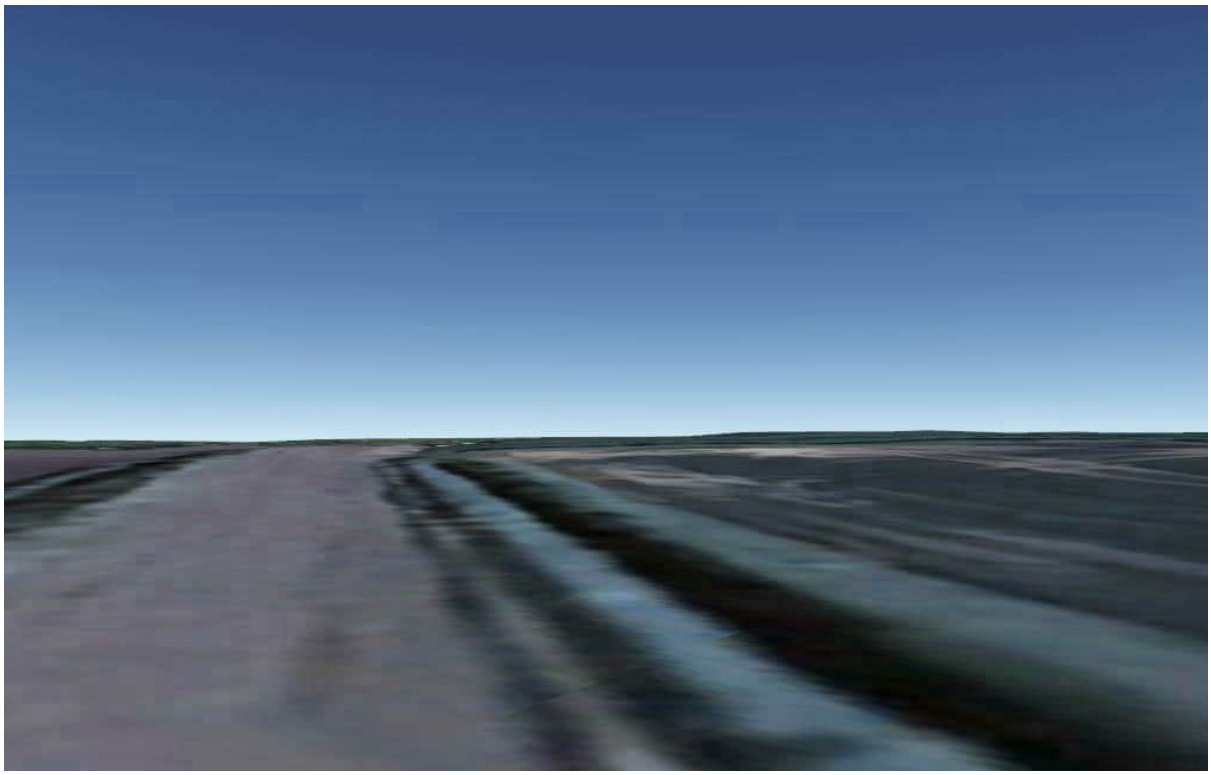


Receptor 197 (Group C Receptor 44)

Looking East

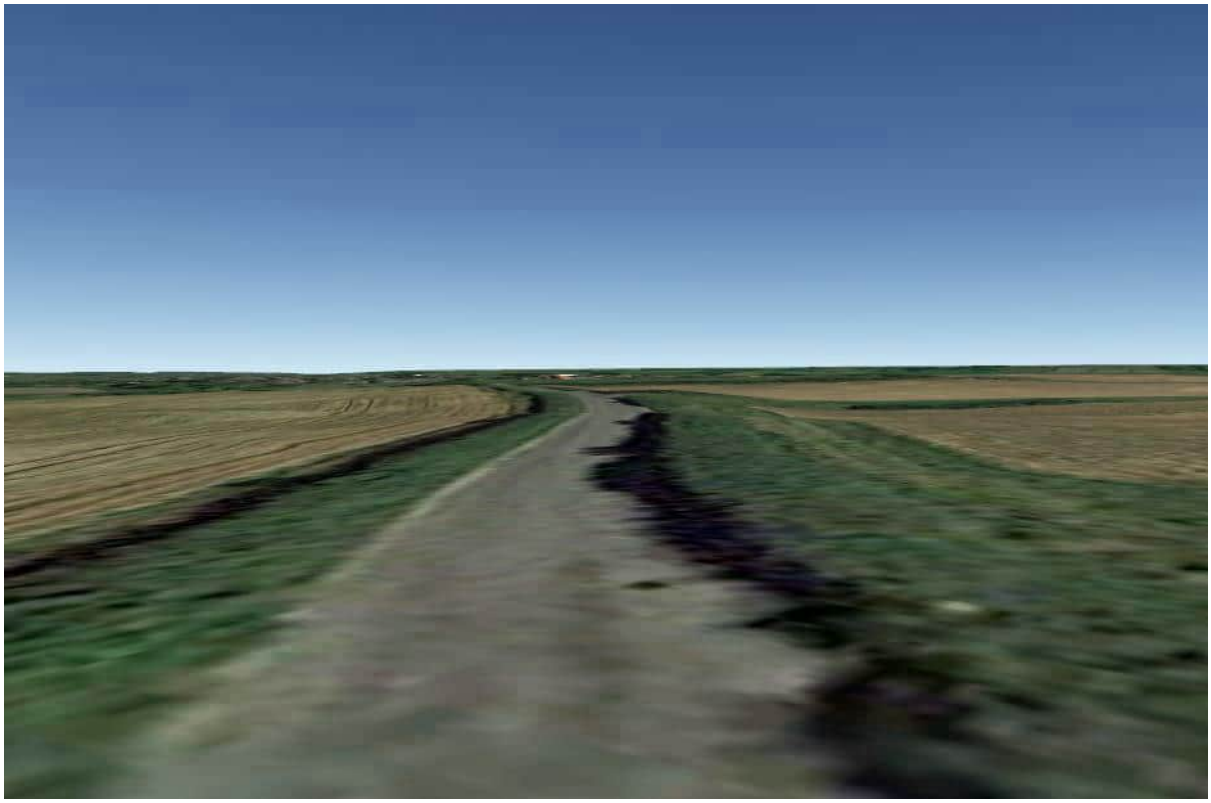
Looking West

Receptor 198 (Group C Receptor 45)

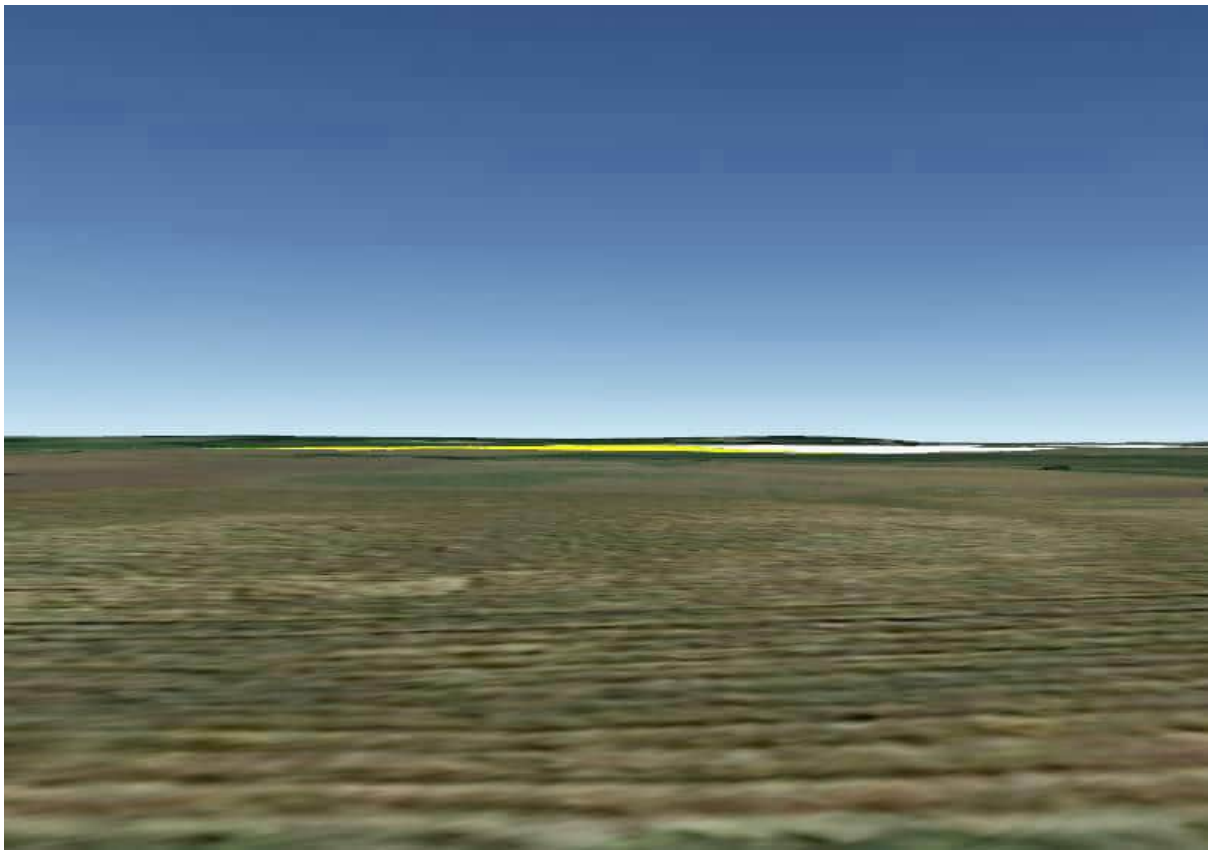


Receptor 199 (Group C Receptor 46)

Looking East

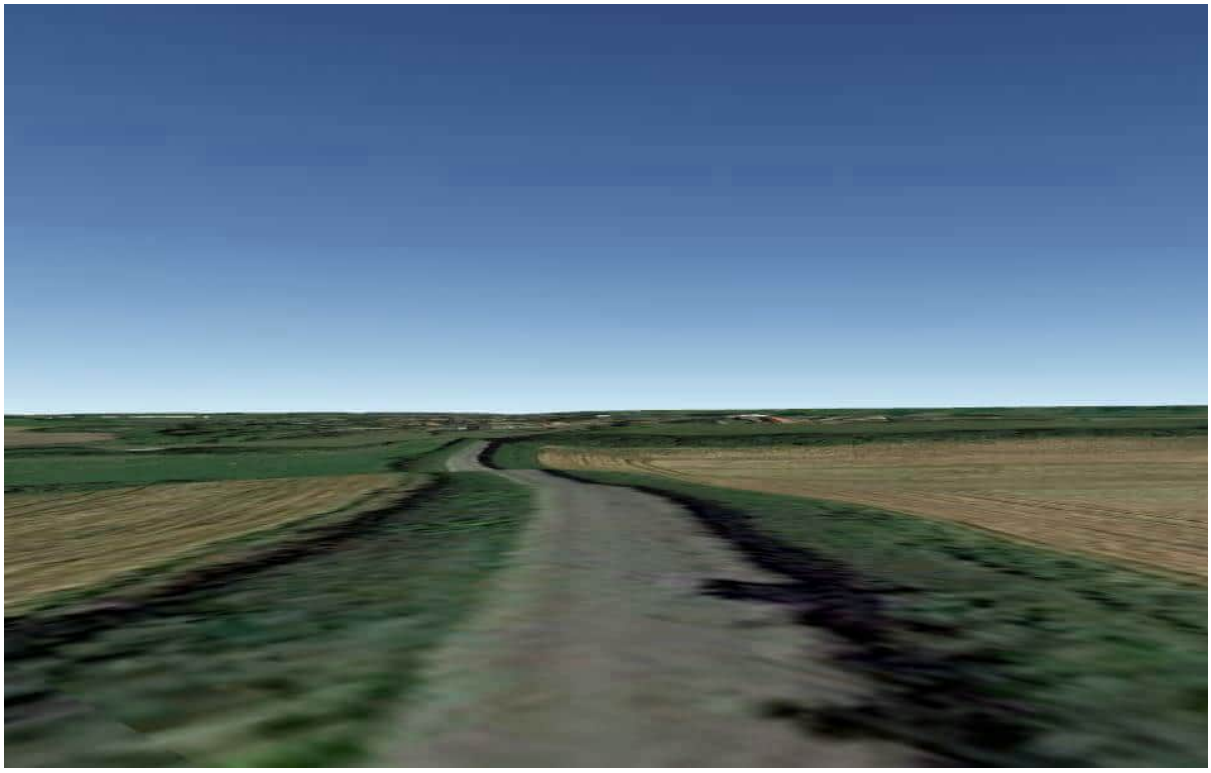


Looking West

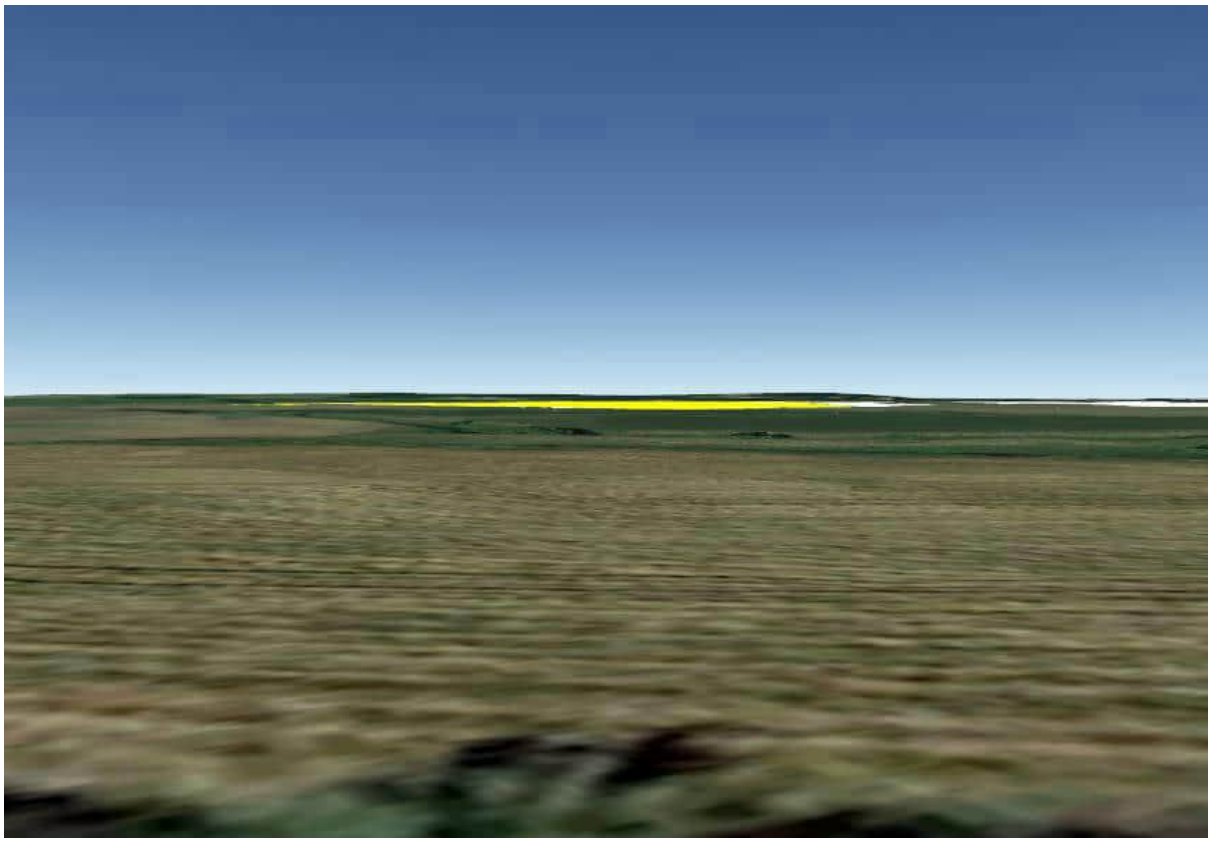


Receptor 200 (Group C Receptor 47)

Looking East

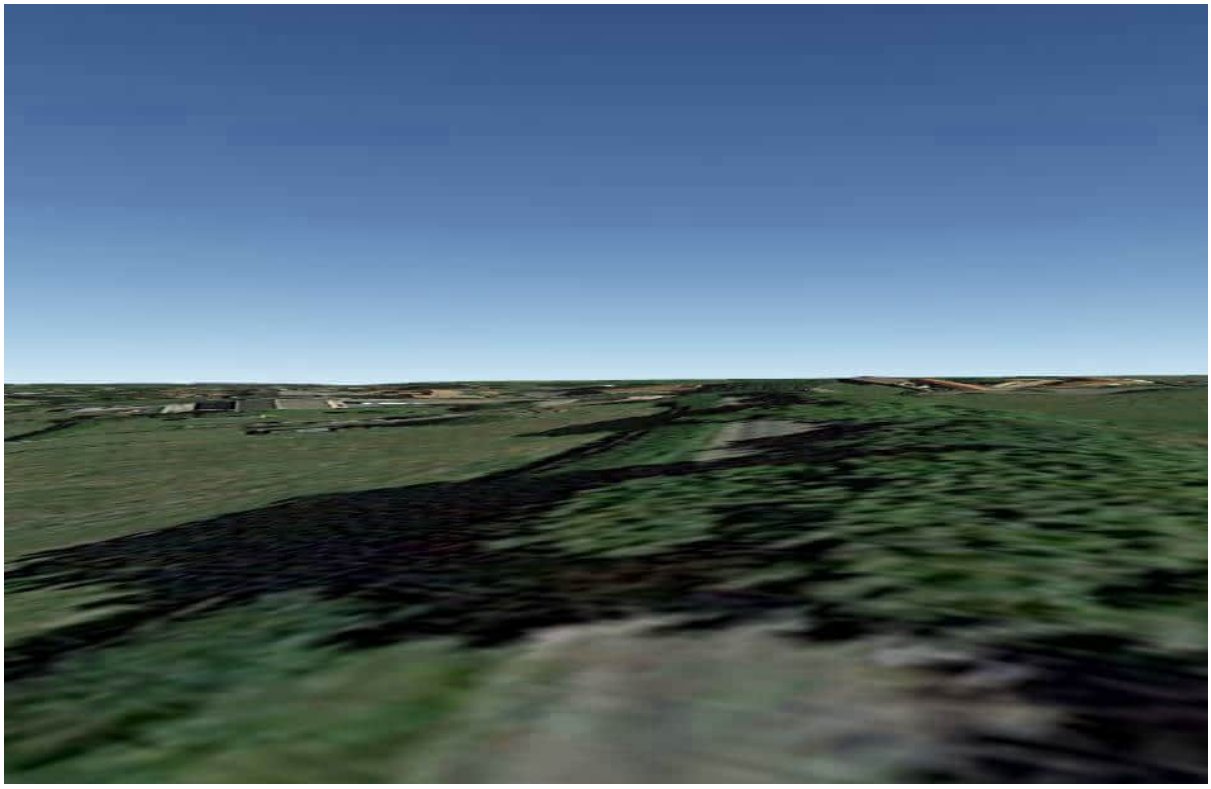


Looking West

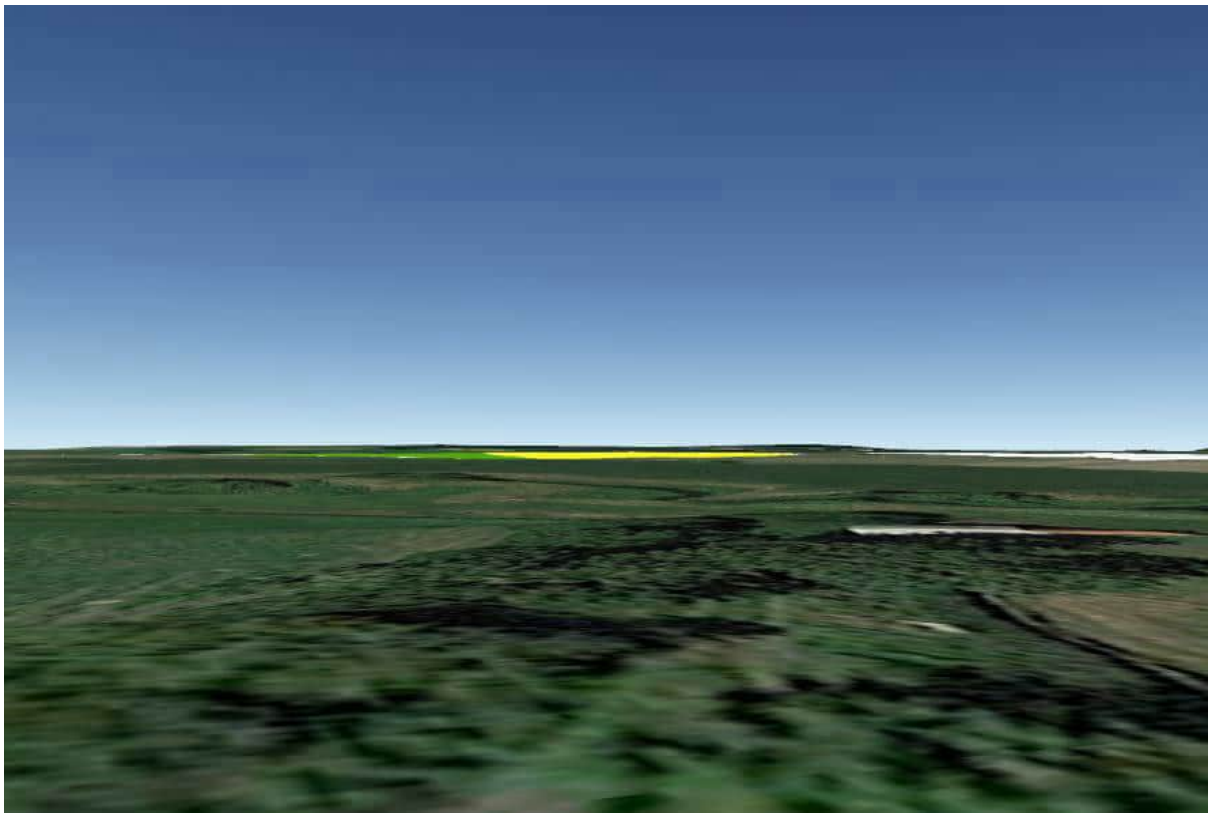


Receptor 201 (Group C Receptor 48)

Looking East

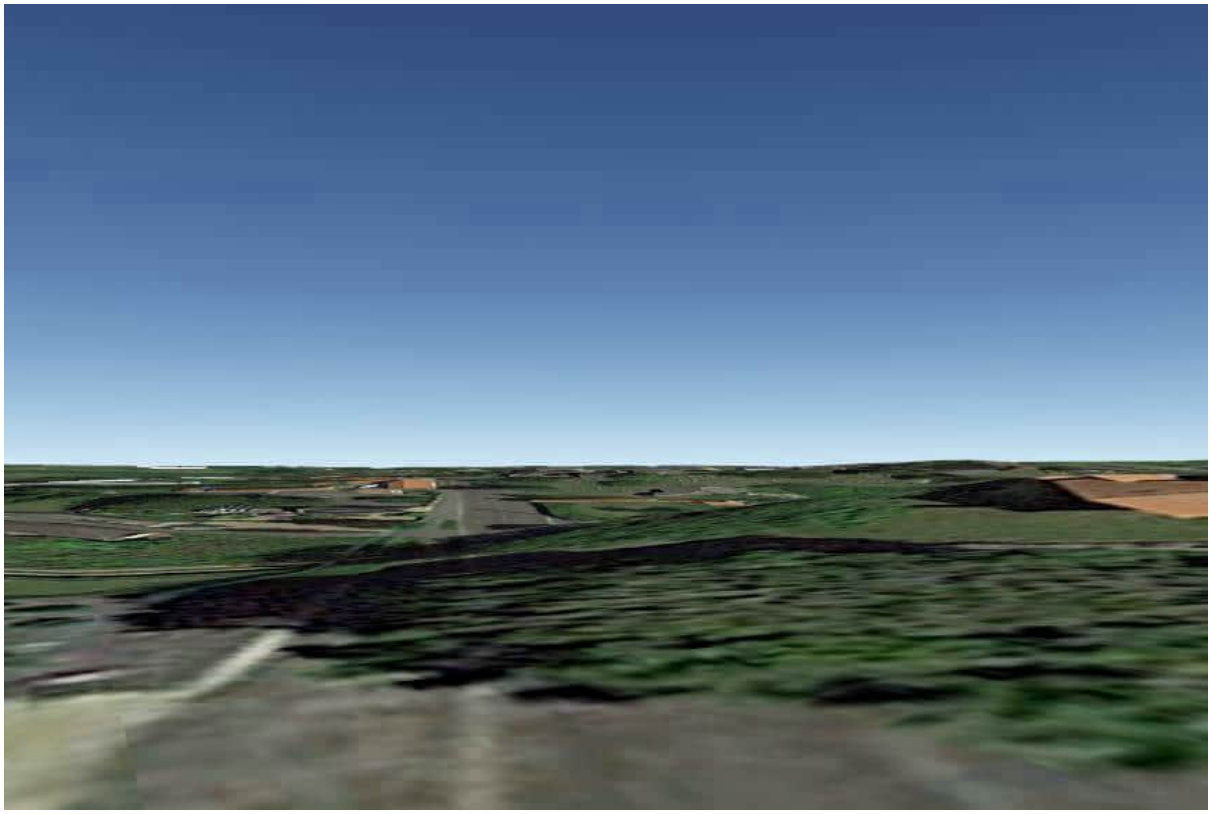


Looking West

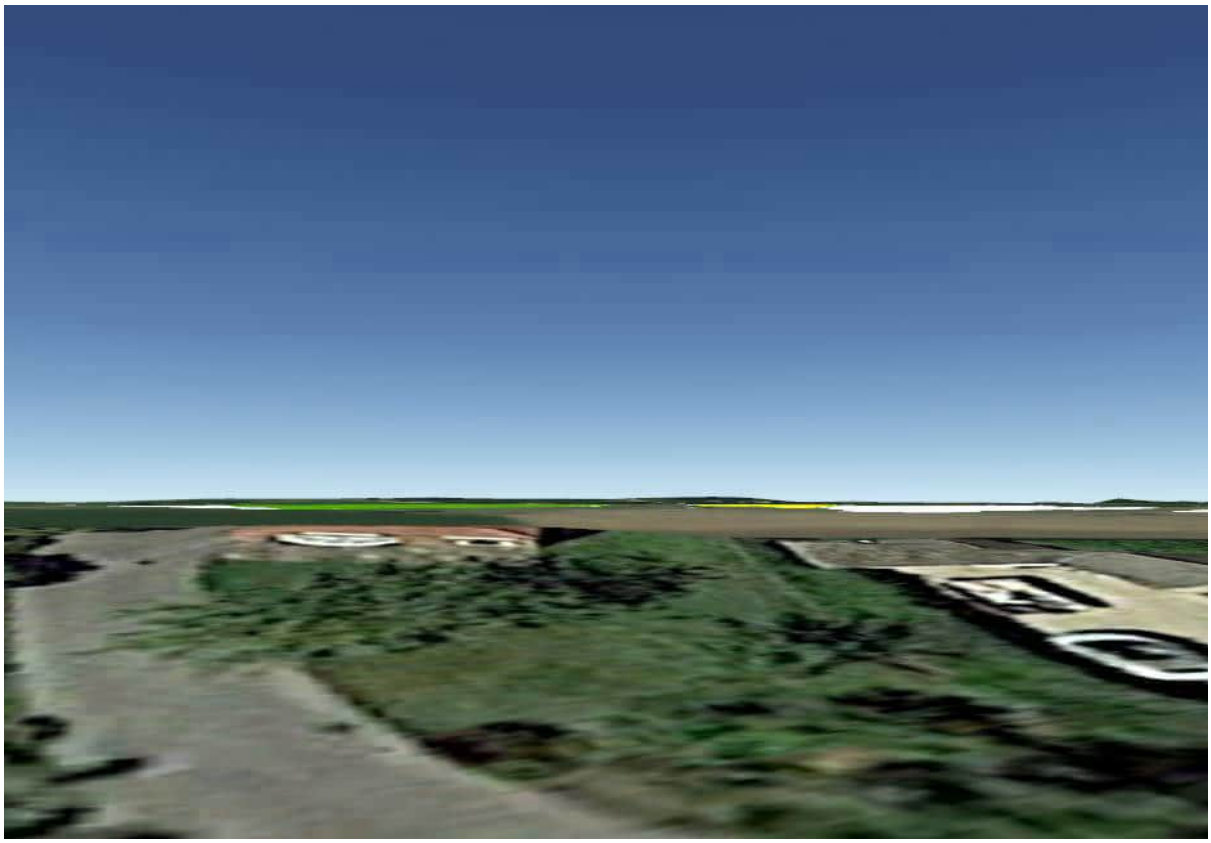


Receptor 202 (Group C Receptor 49)

Looking East

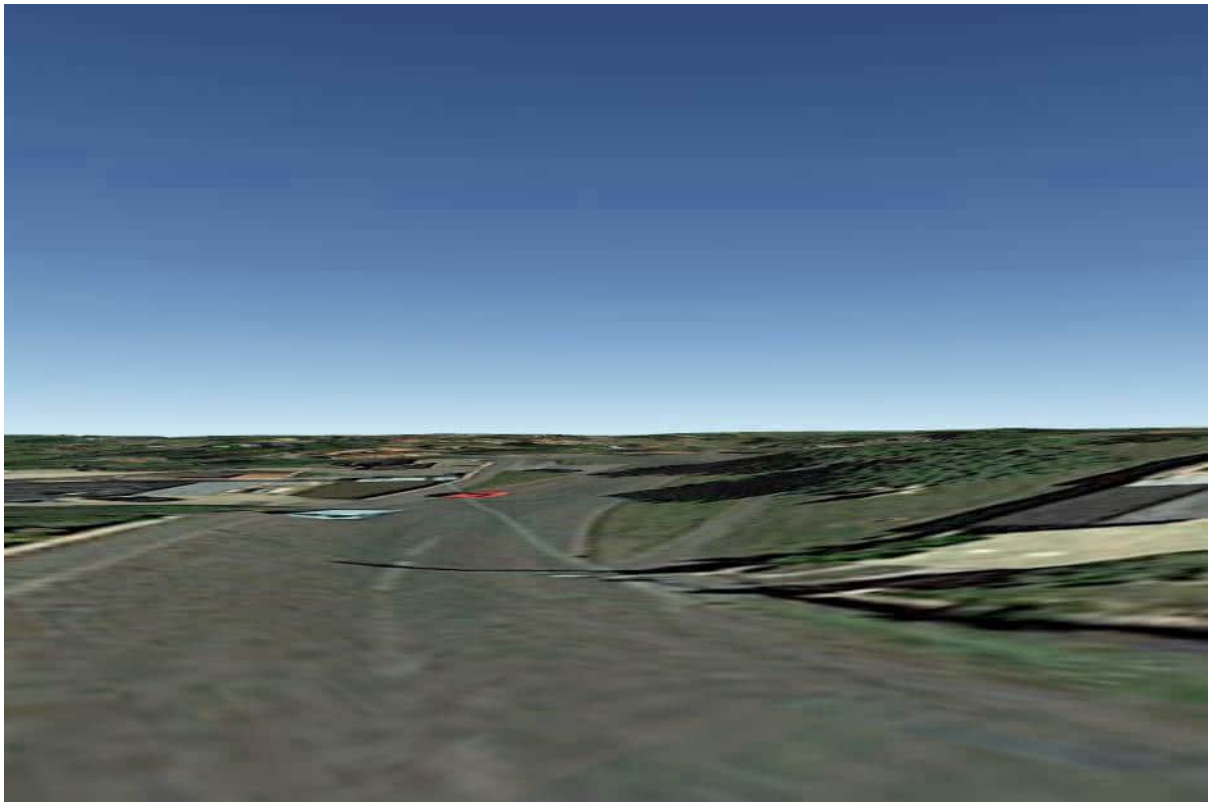


Looking West

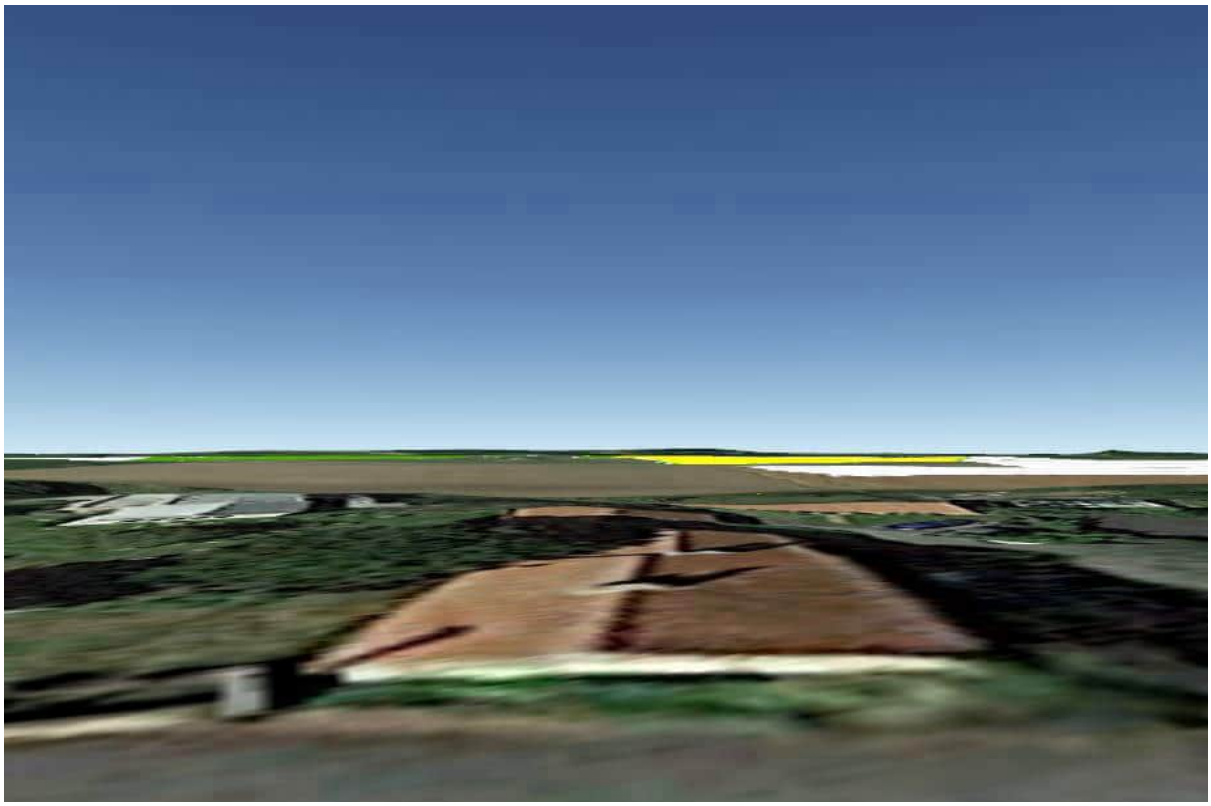


Receptor 203 (Group C Receptor 50)

Looking East

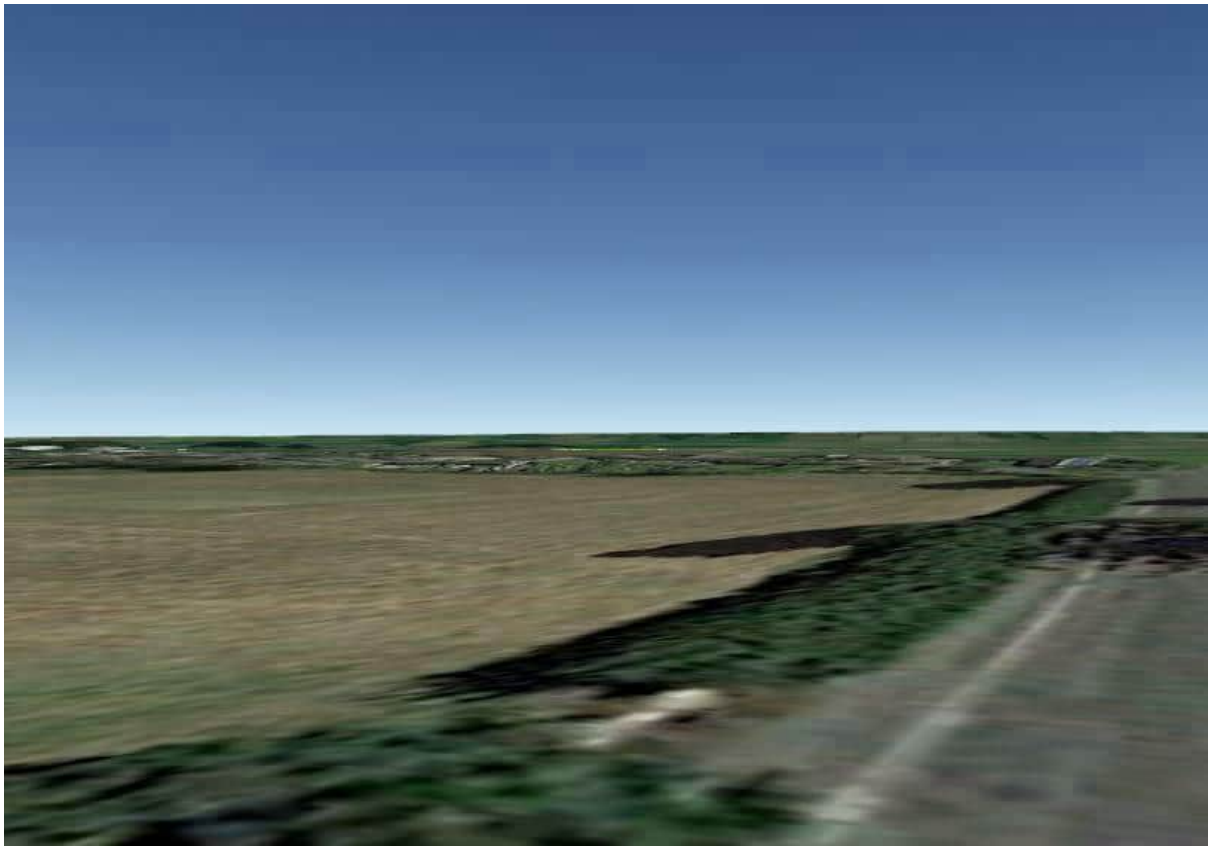


Looking West

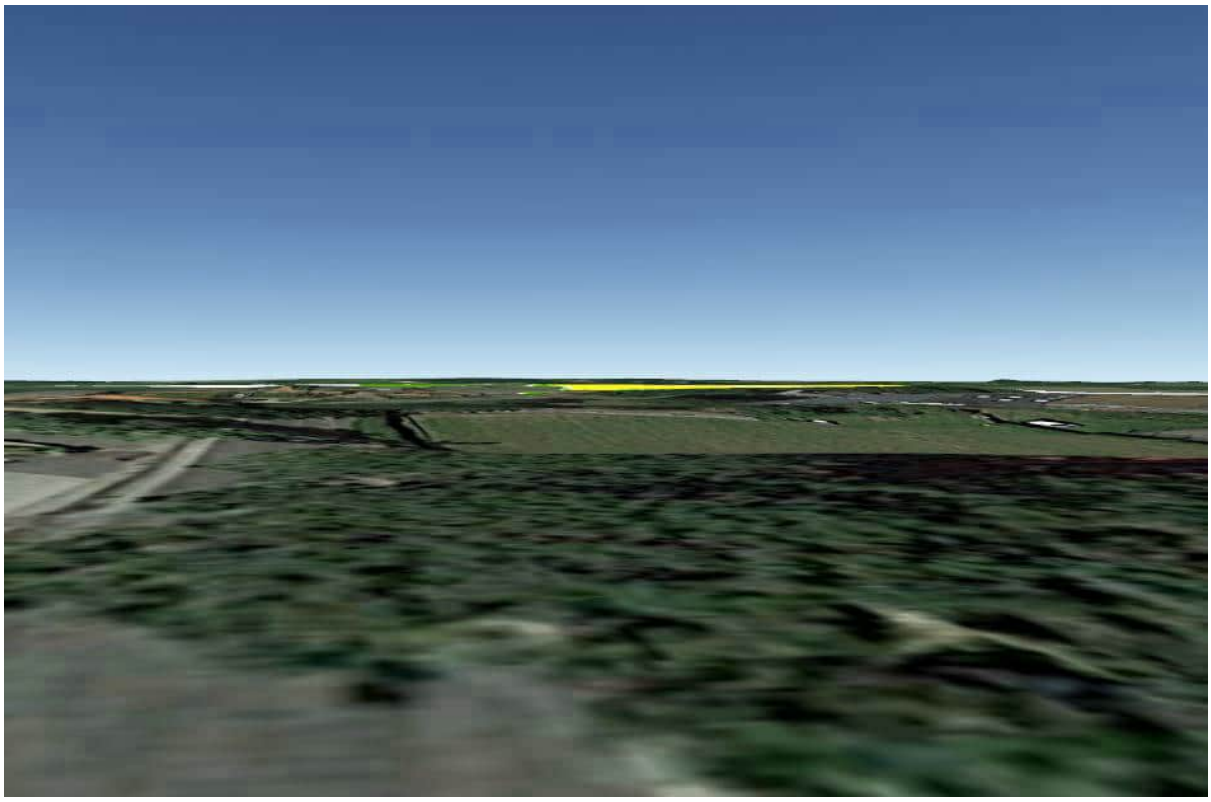


Receptor 204 (Group C Receptor 51)

Looking East

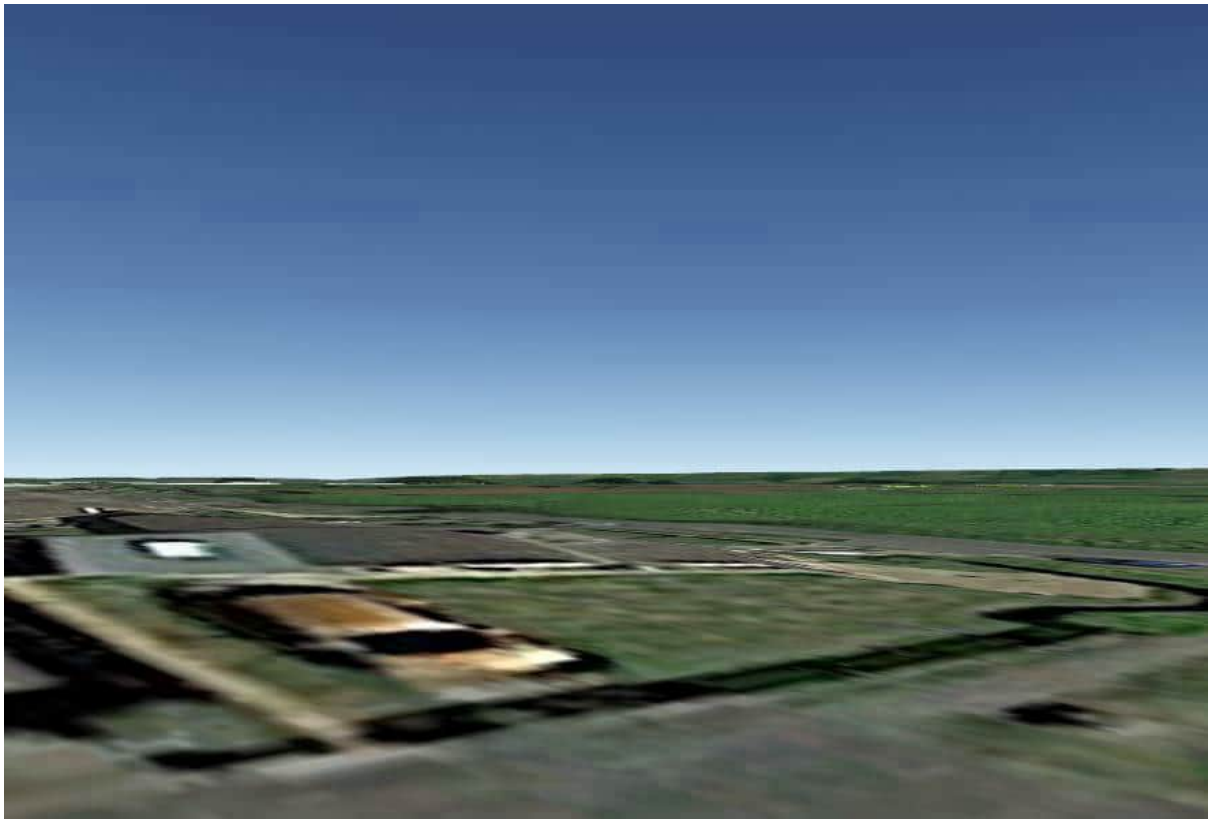


Looking West

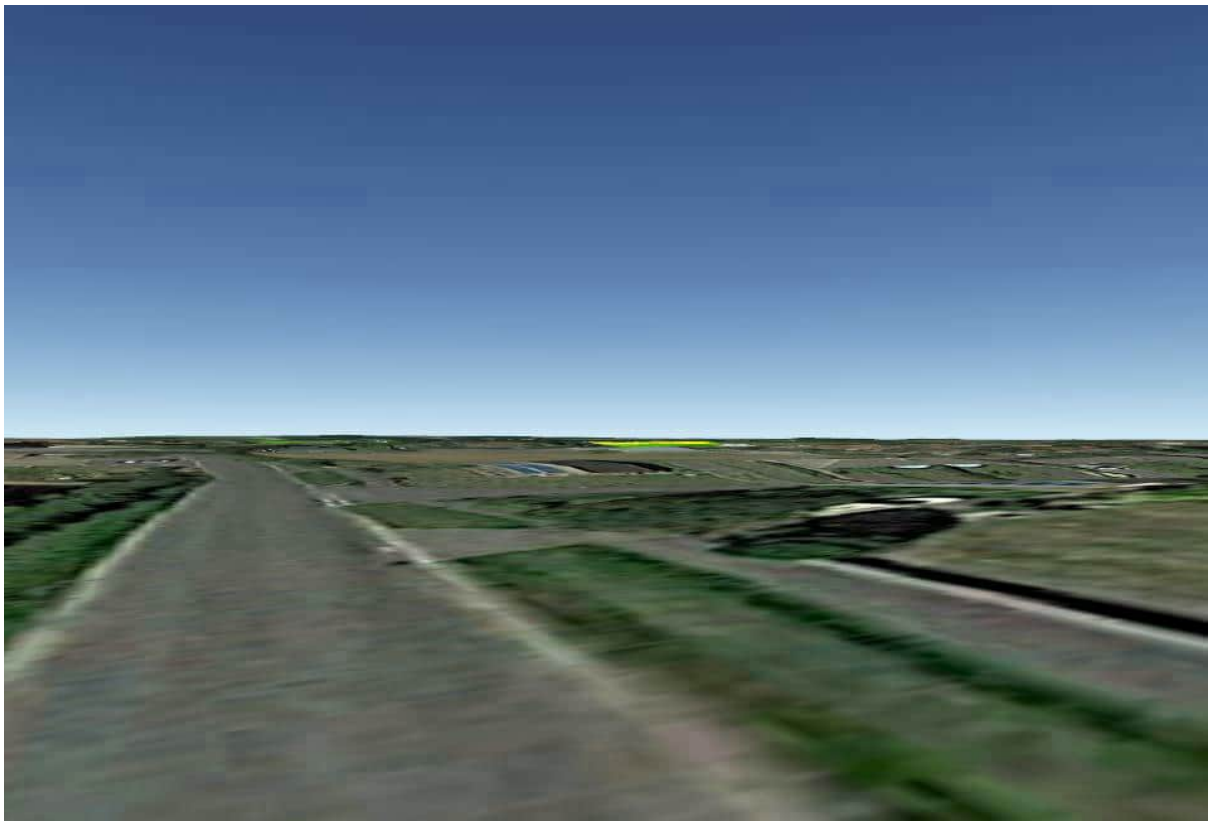


Receptor 205 (Group C Receptor 52)

Looking East

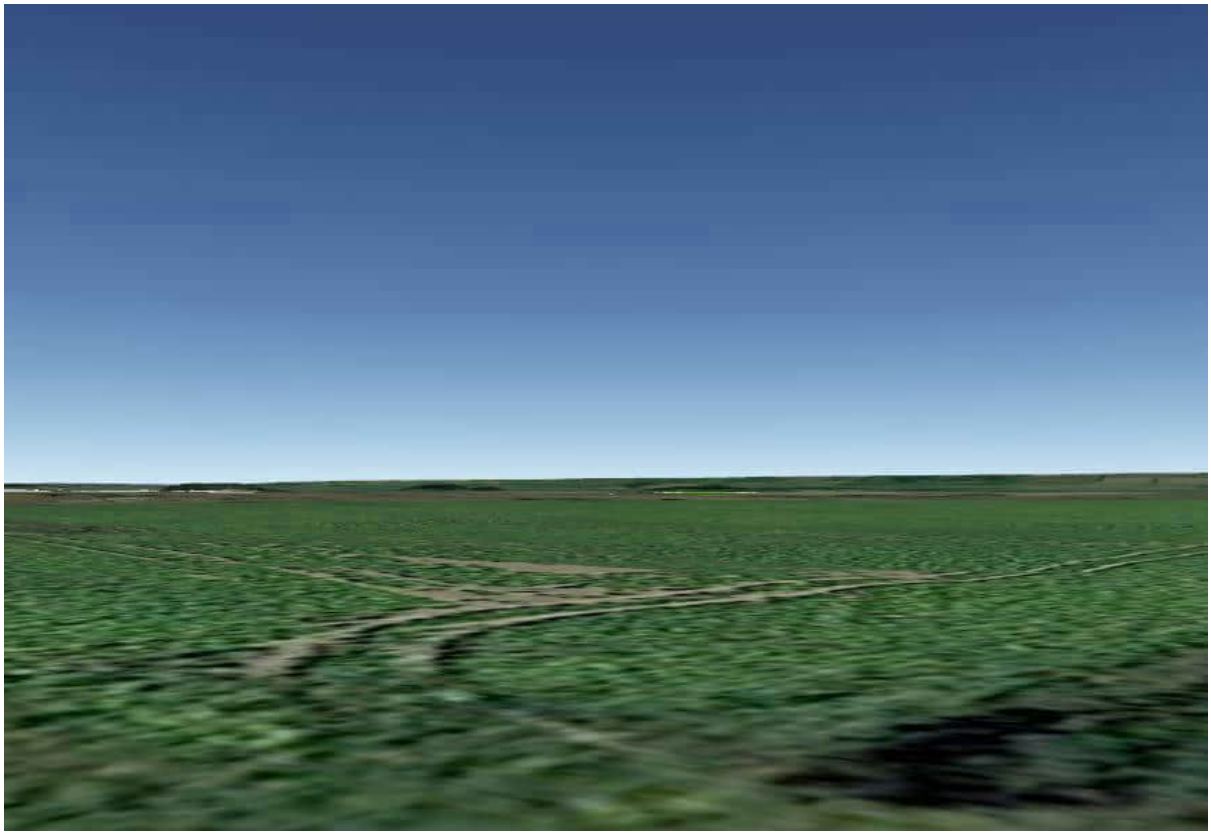


Looking West

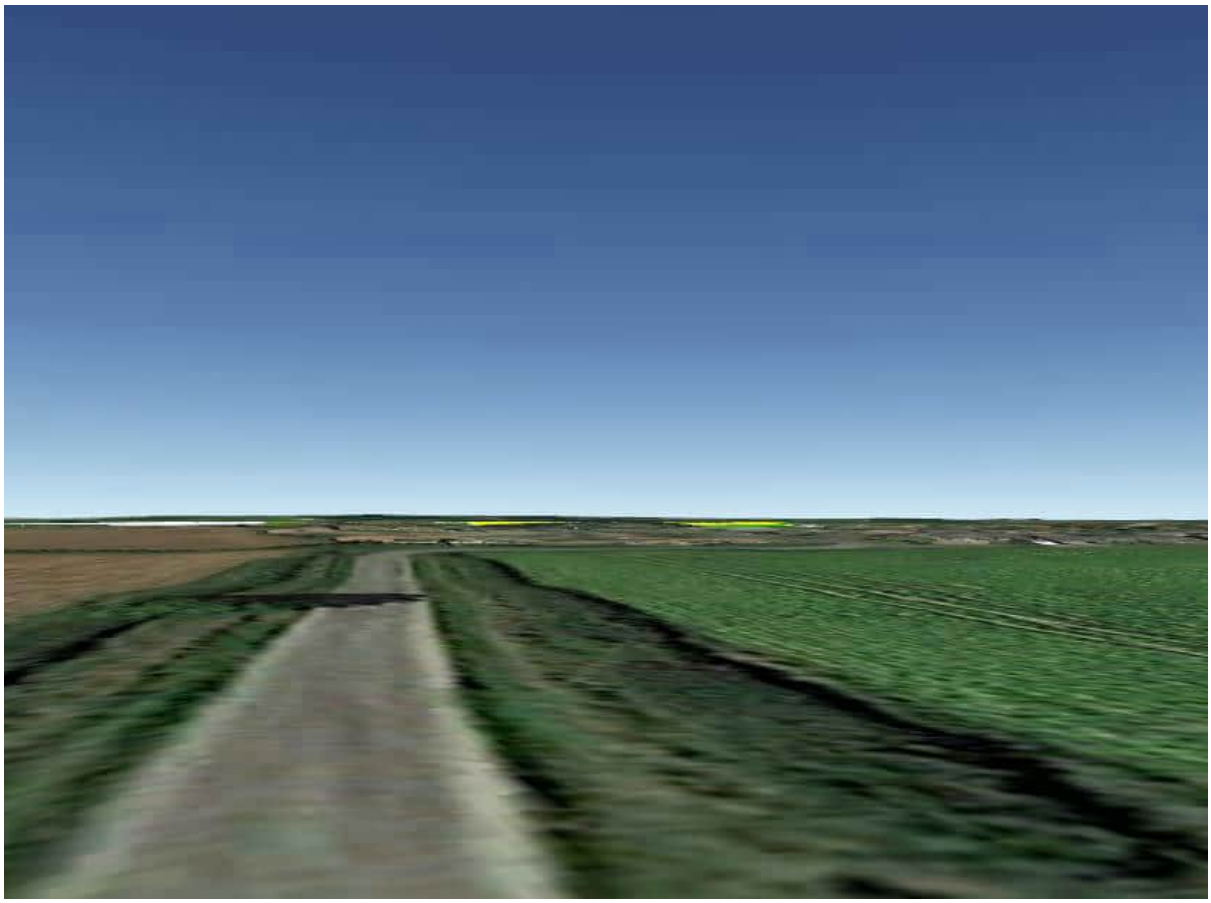


Receptor 206 (Group C Receptor 53)

Looking East

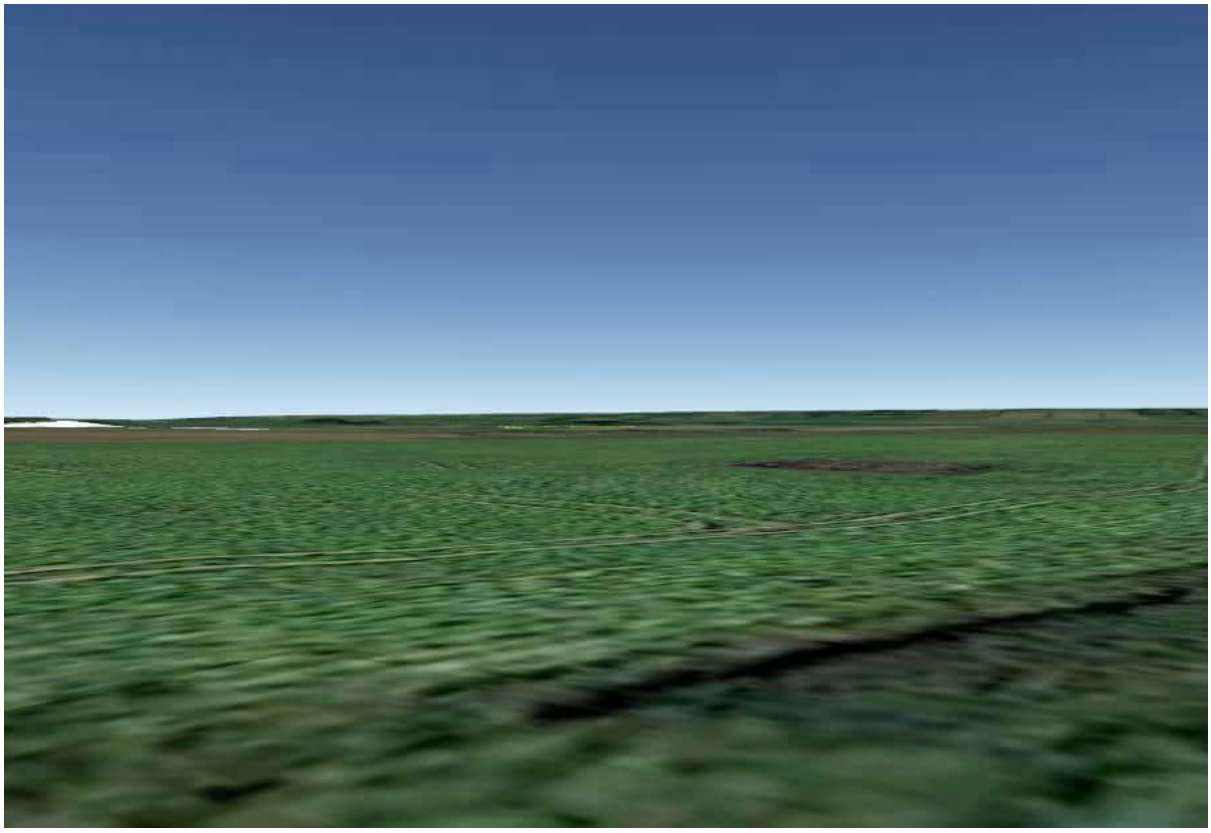


Looking West

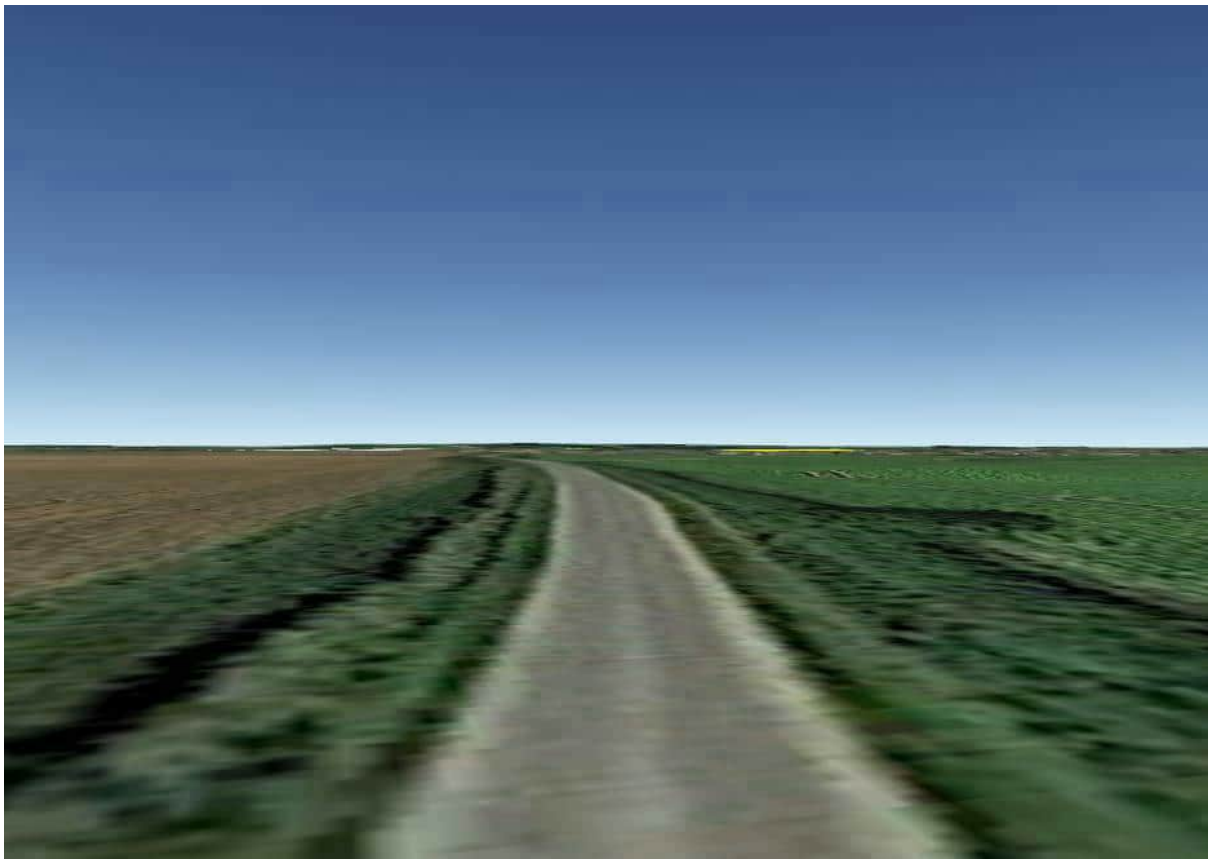


Receptor 207 (Group C Receptor 54)

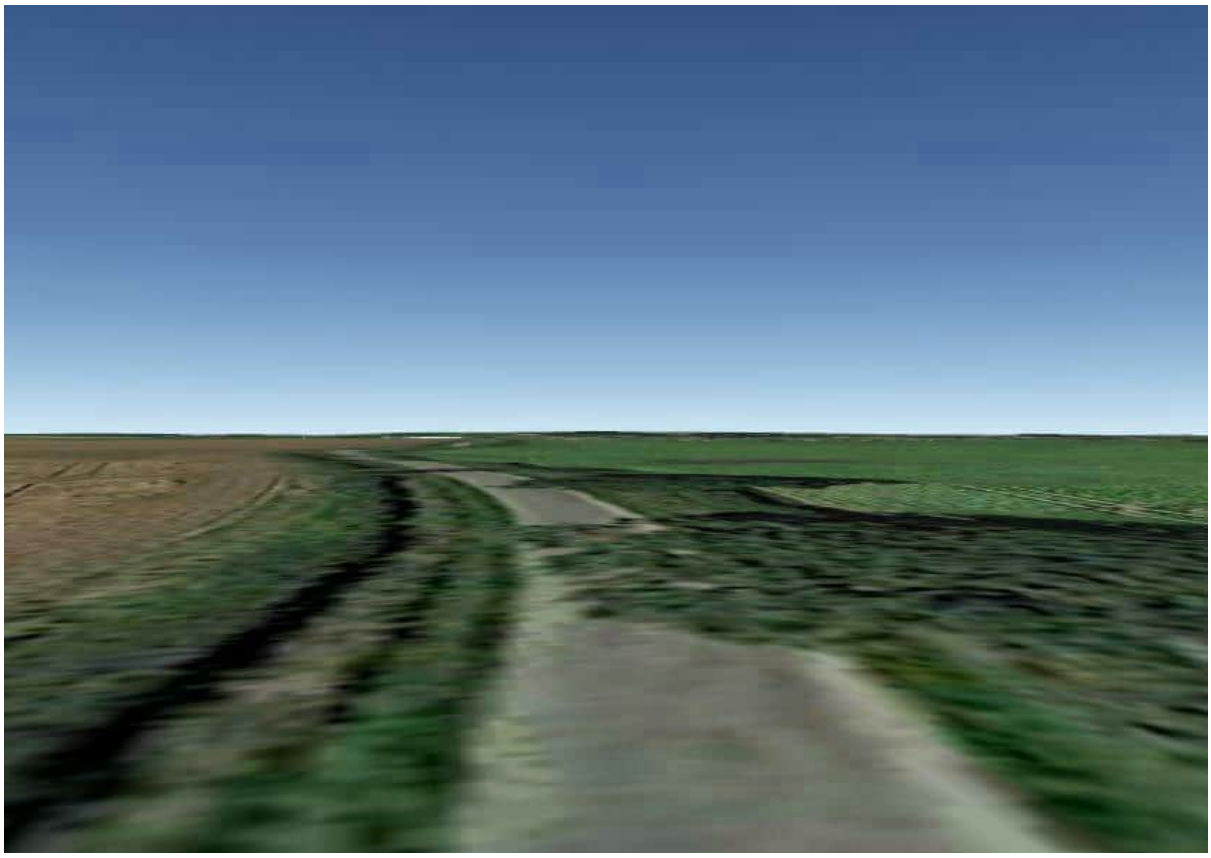
Looking East



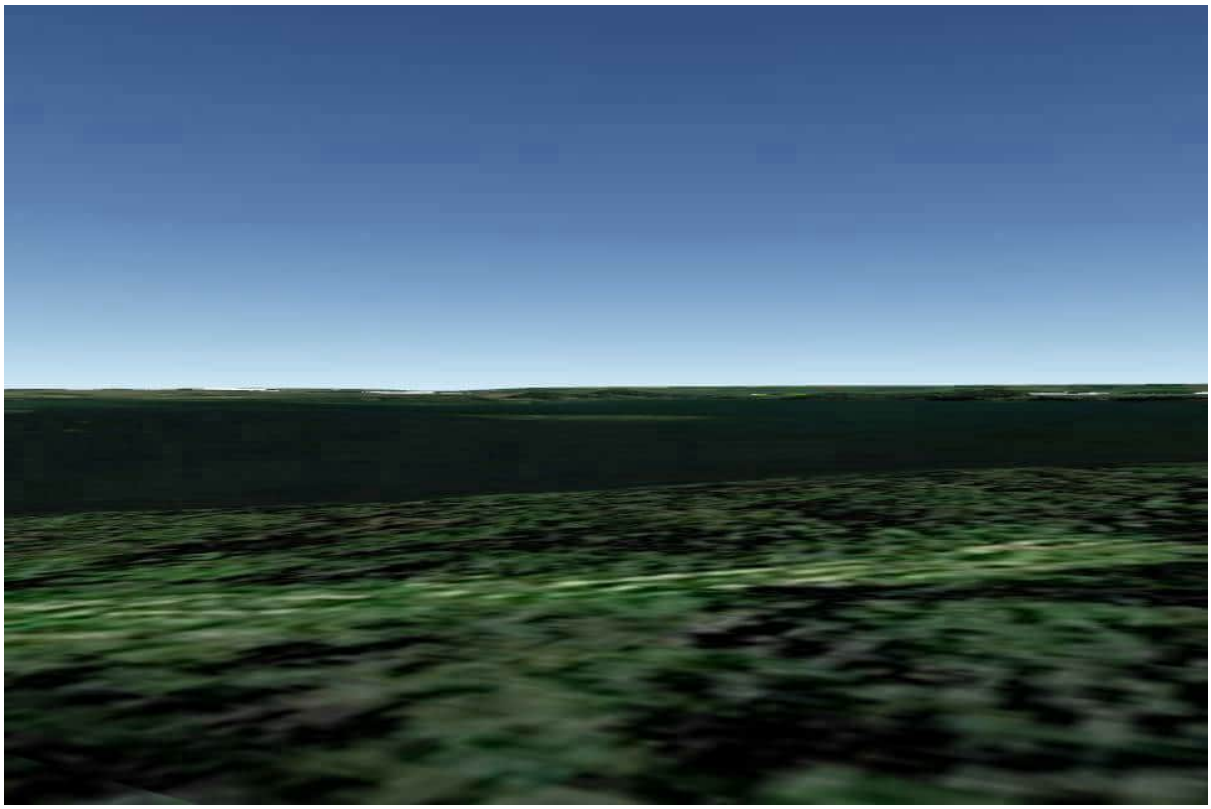
Looking West



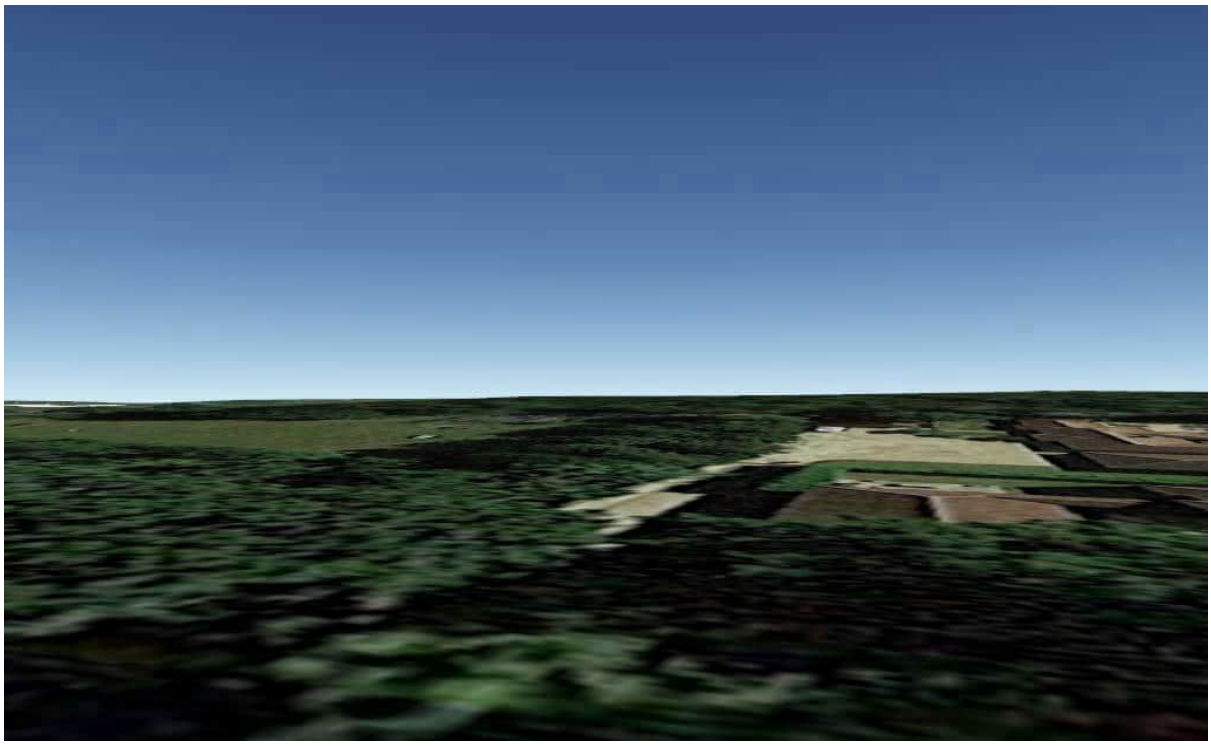
Receptor 208 (Group C Receptor 55)



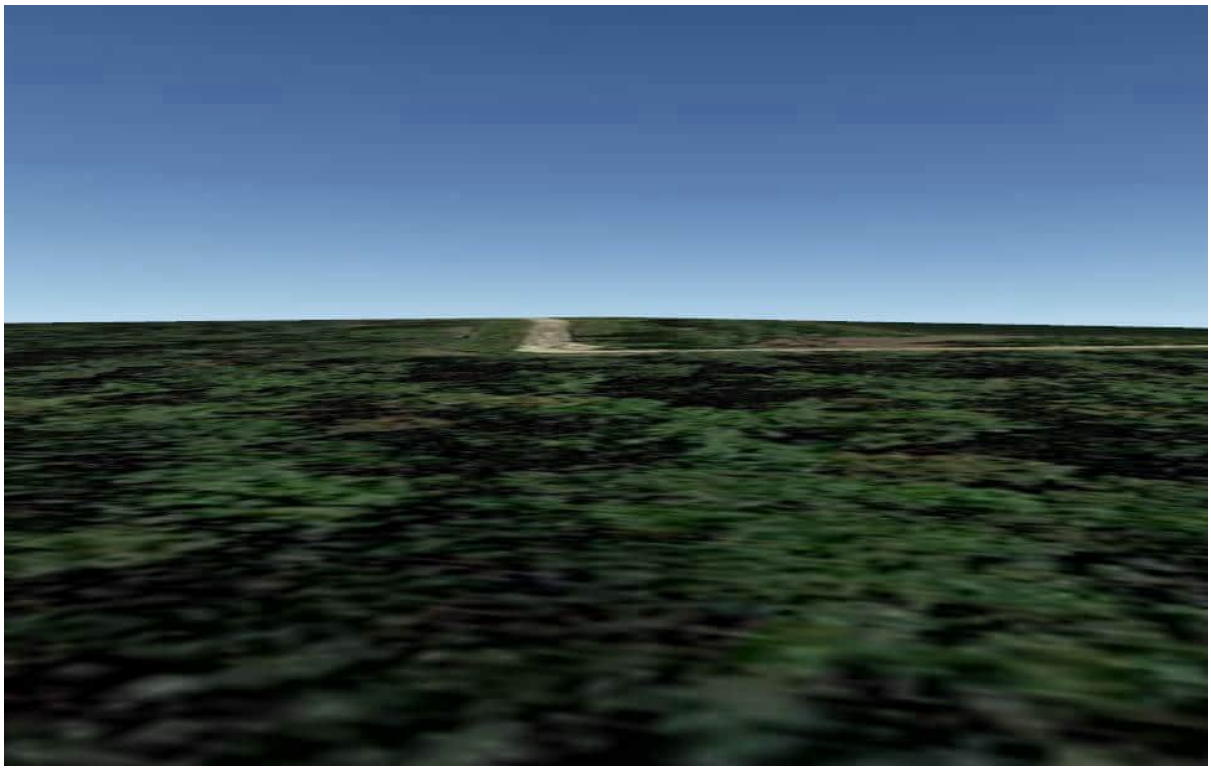
Receptor 209 (Group C Receptor 56)



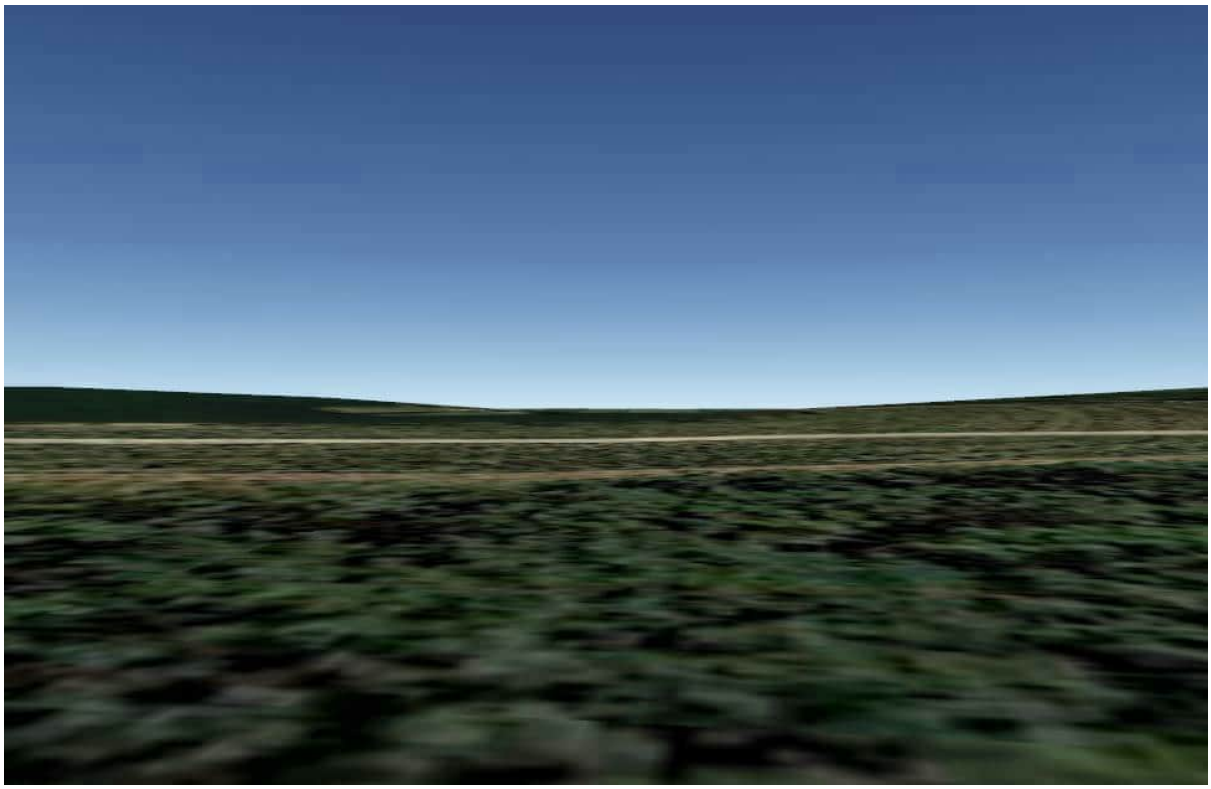
Receptor 210 (Group C Receptor 57)



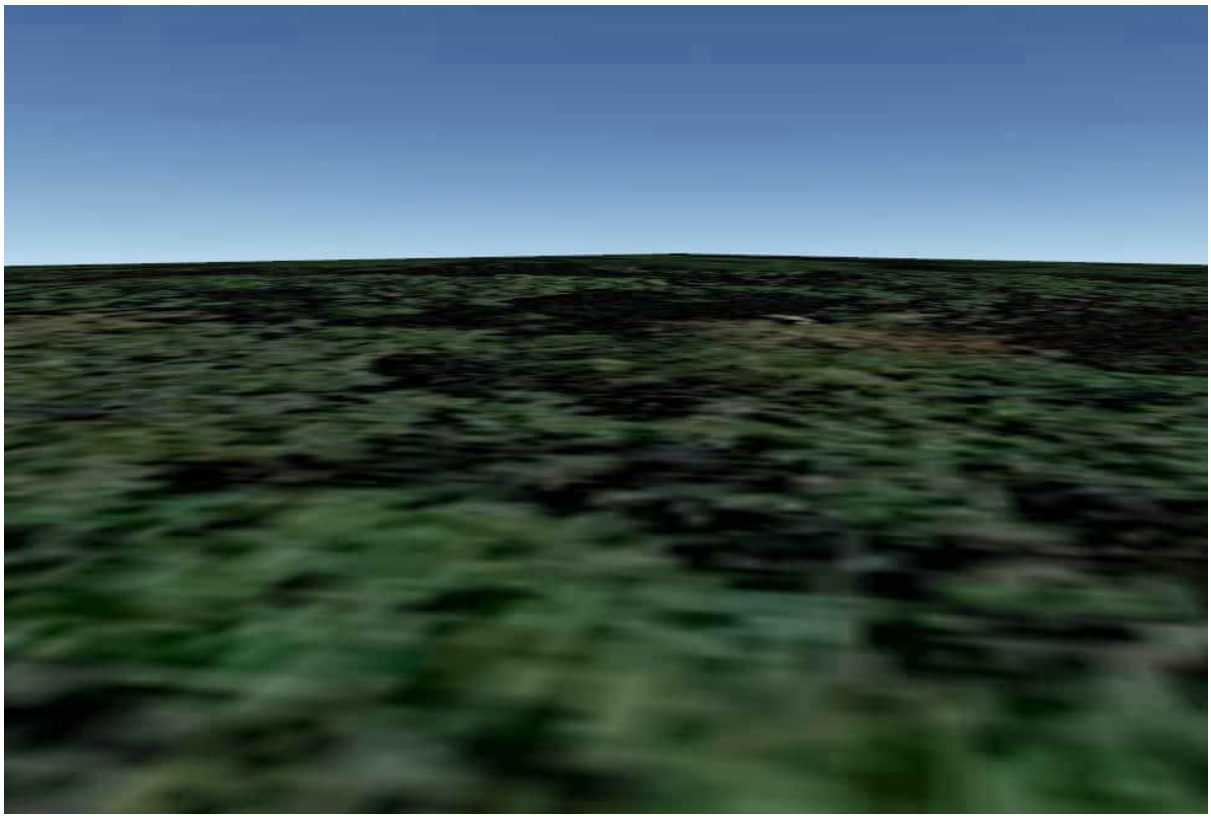
Receptor 211 (Group C Receptor 58)



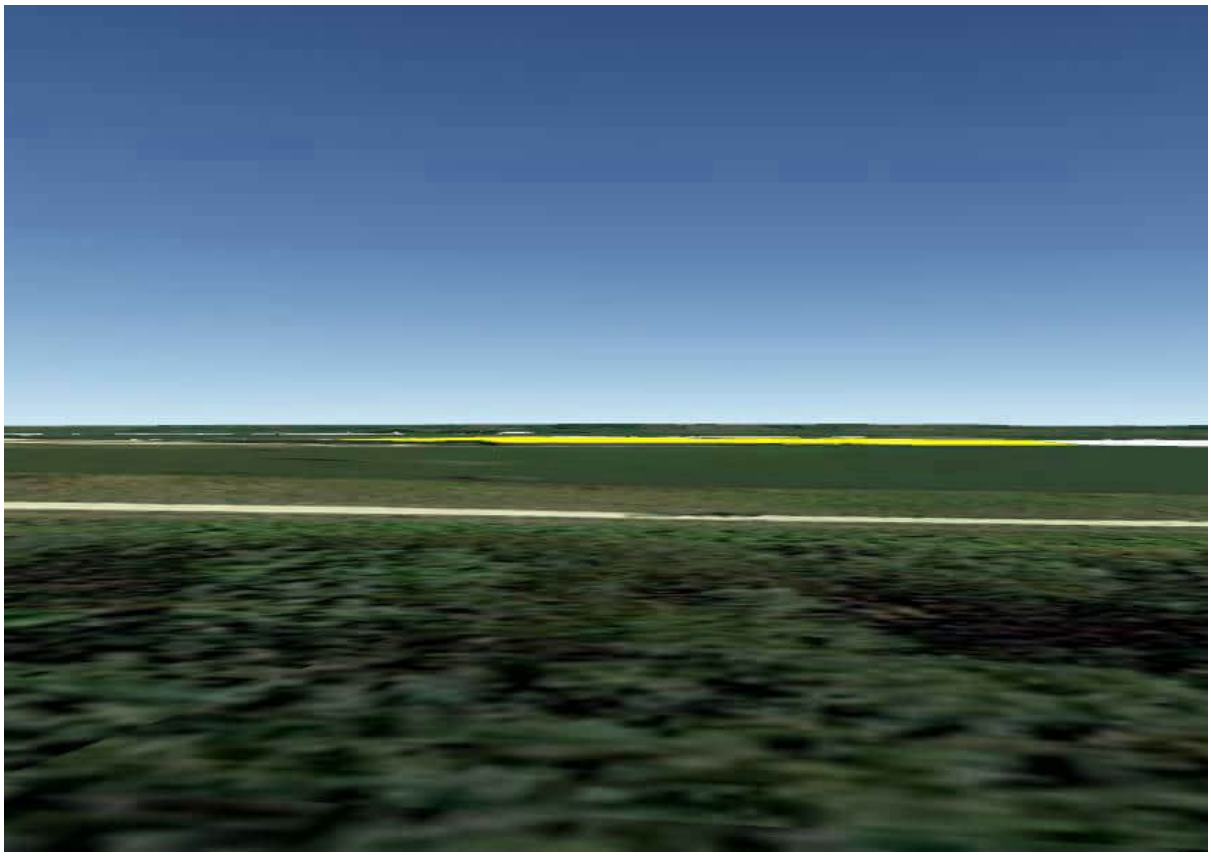
Receptor 212 (Group C Receptor 59)



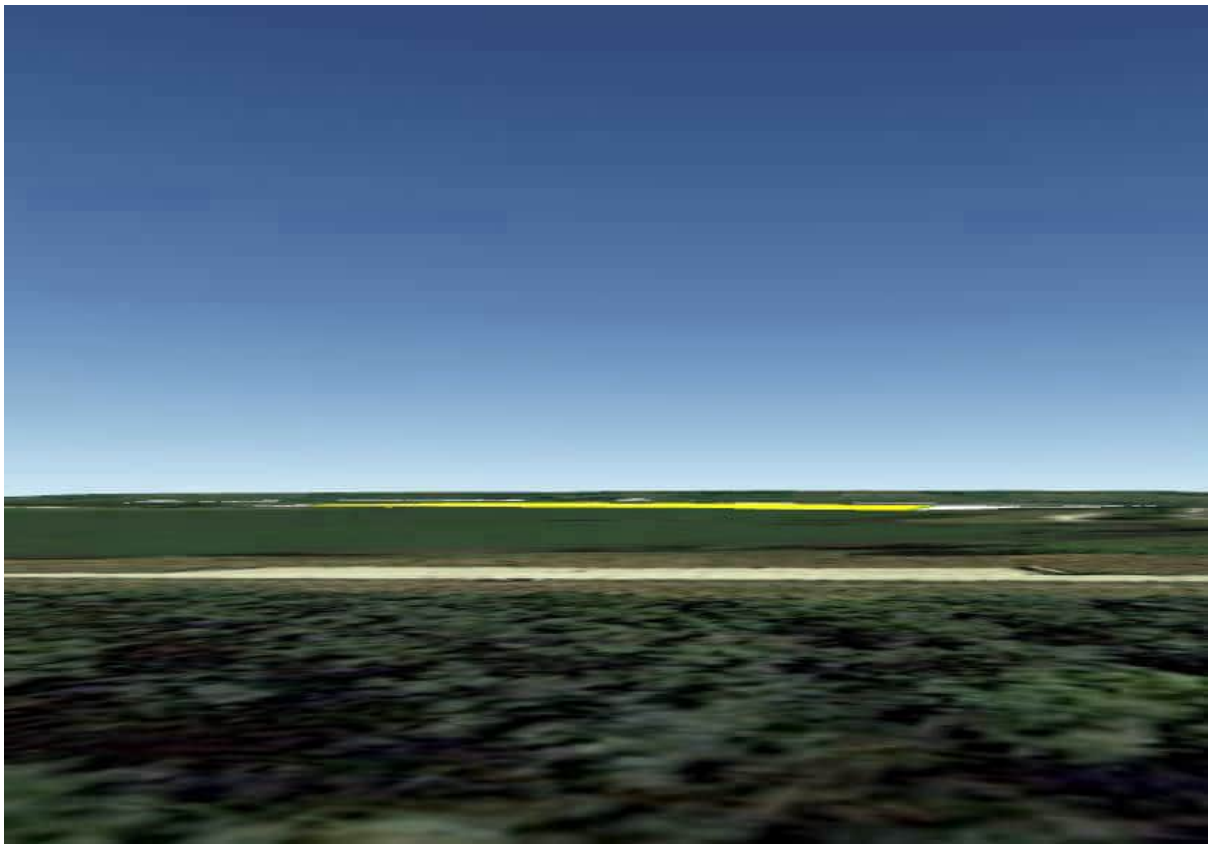
Receptor 213 (Group C Receptor 60)



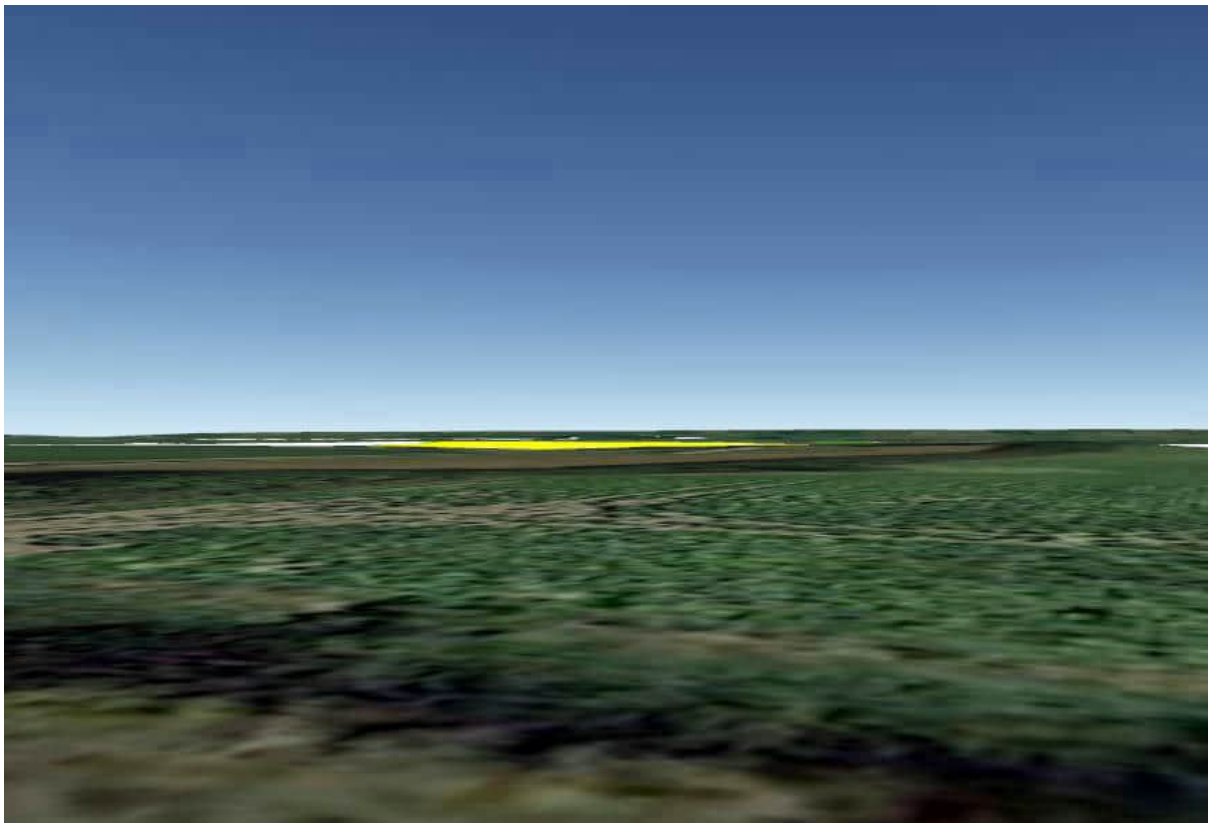
Receptor 214 (Group C Receptor 61)



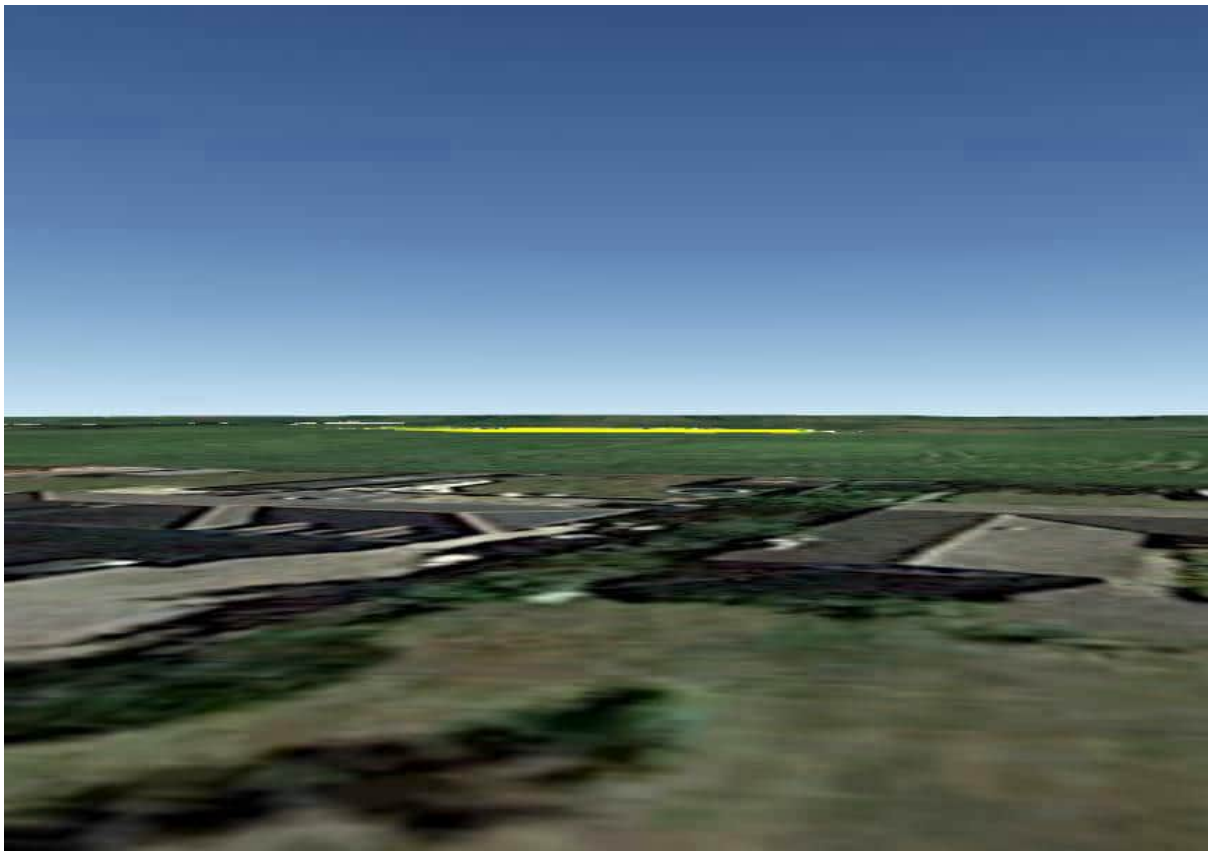
Receptor 215 (Group C Receptor 62)



Receptor 216 (Group C Receptor 63)

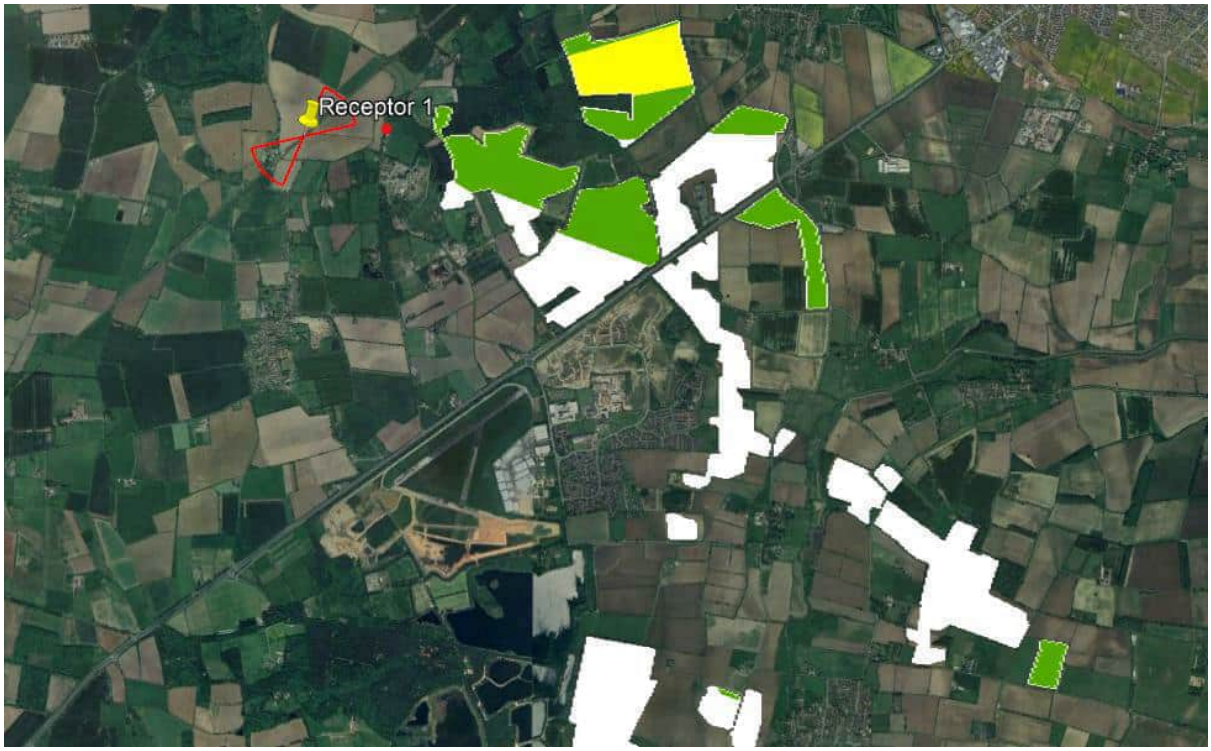


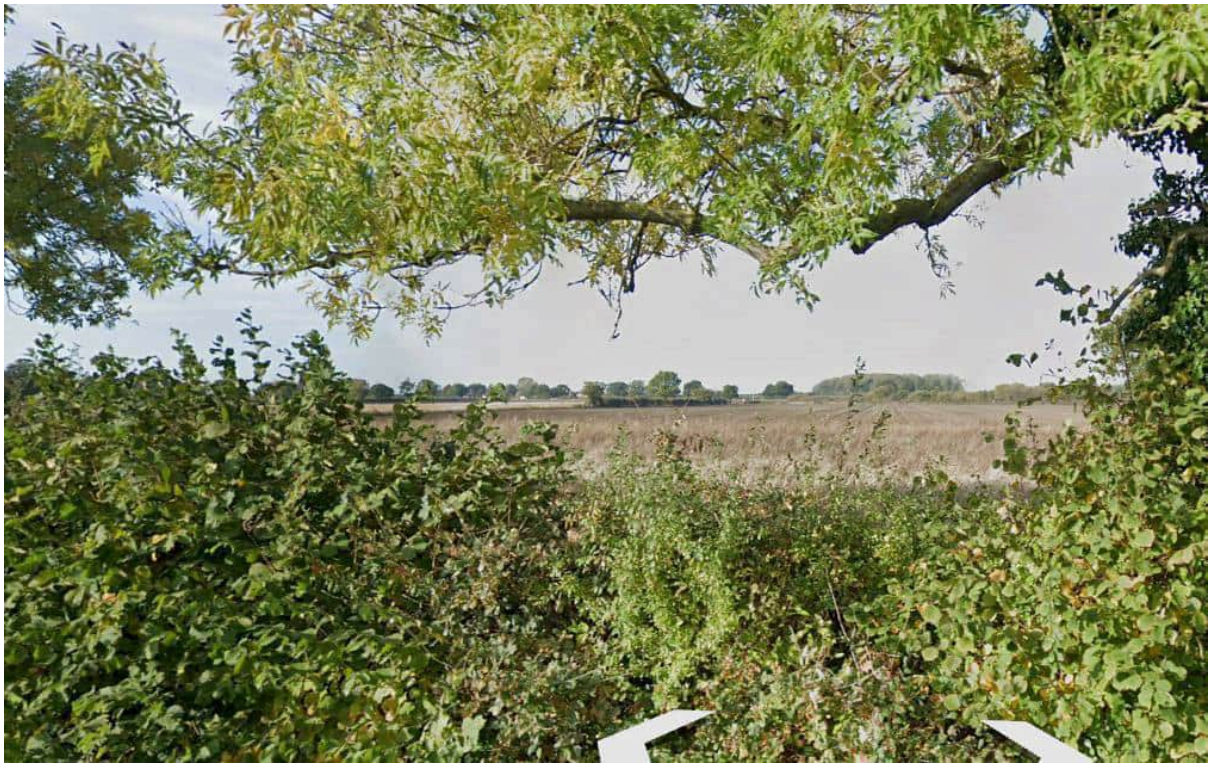
Receptor 217 (Group C Receptor 64)



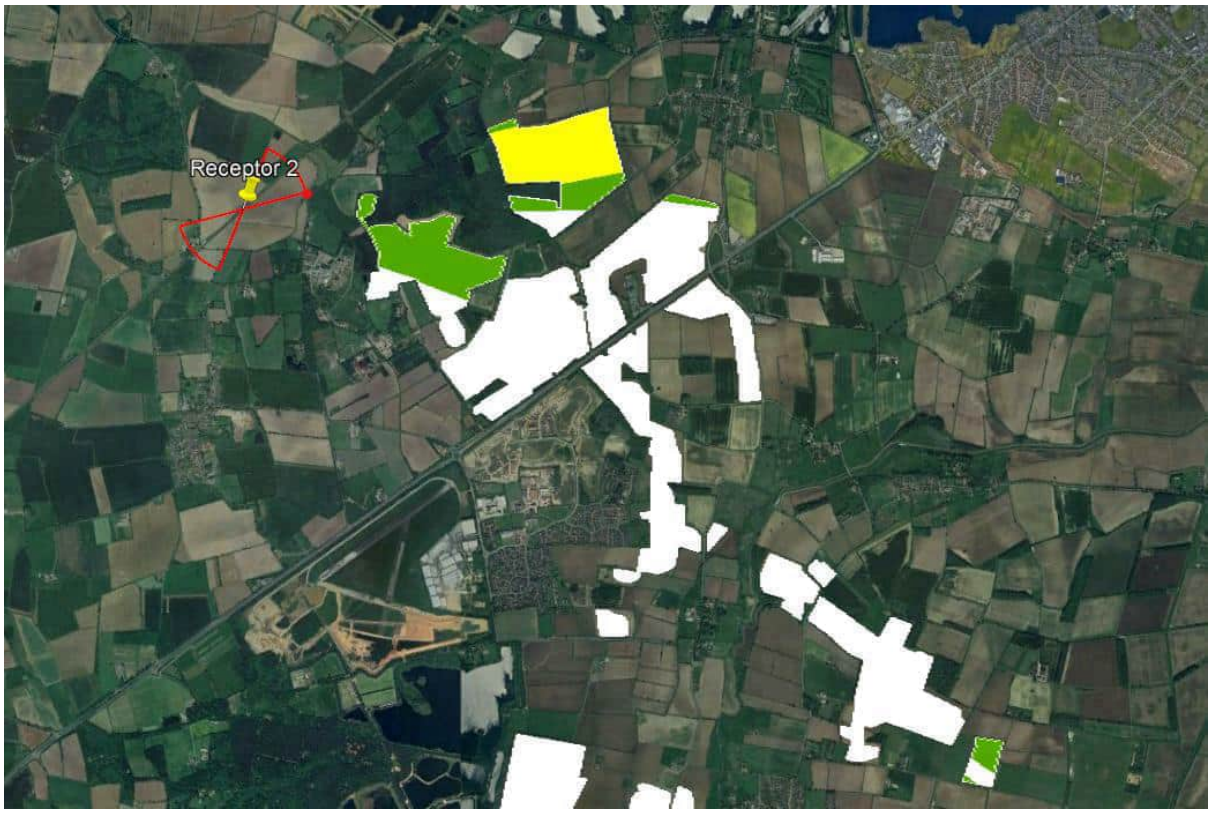
Rail Receptors

Receptor 1

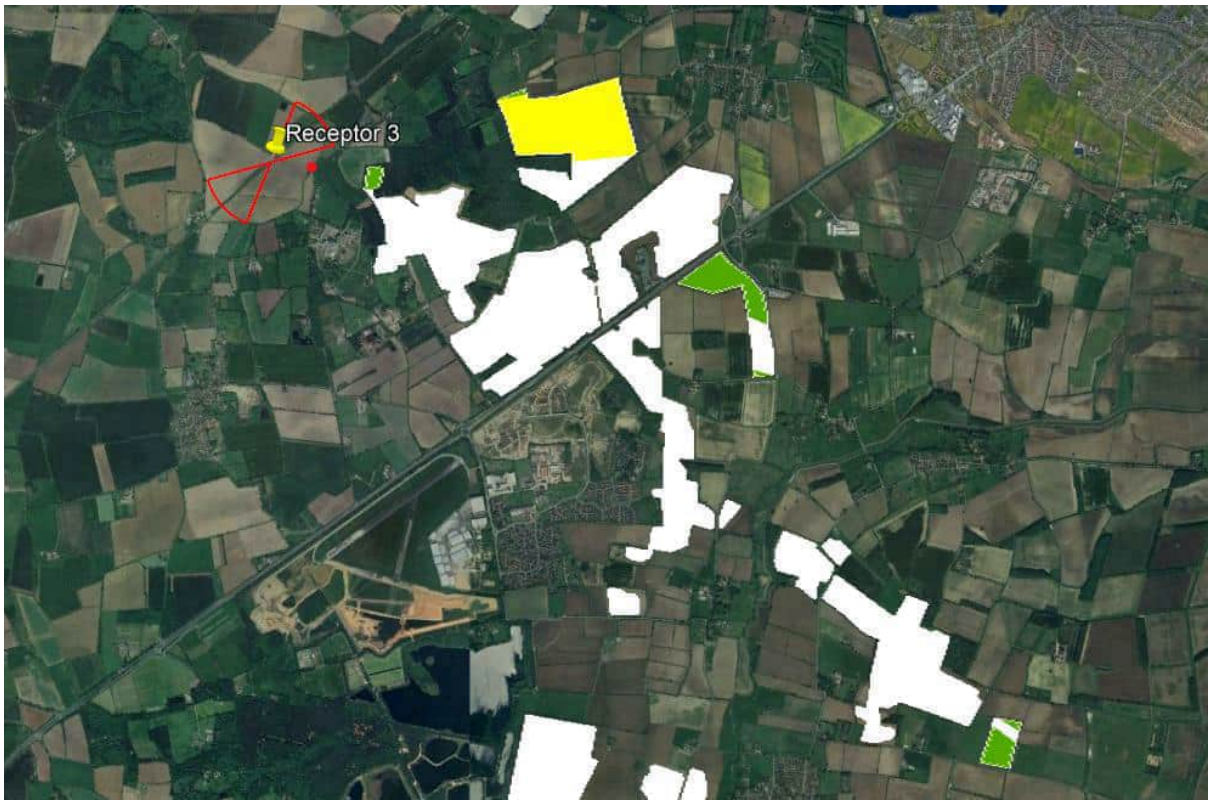




Receptor 2

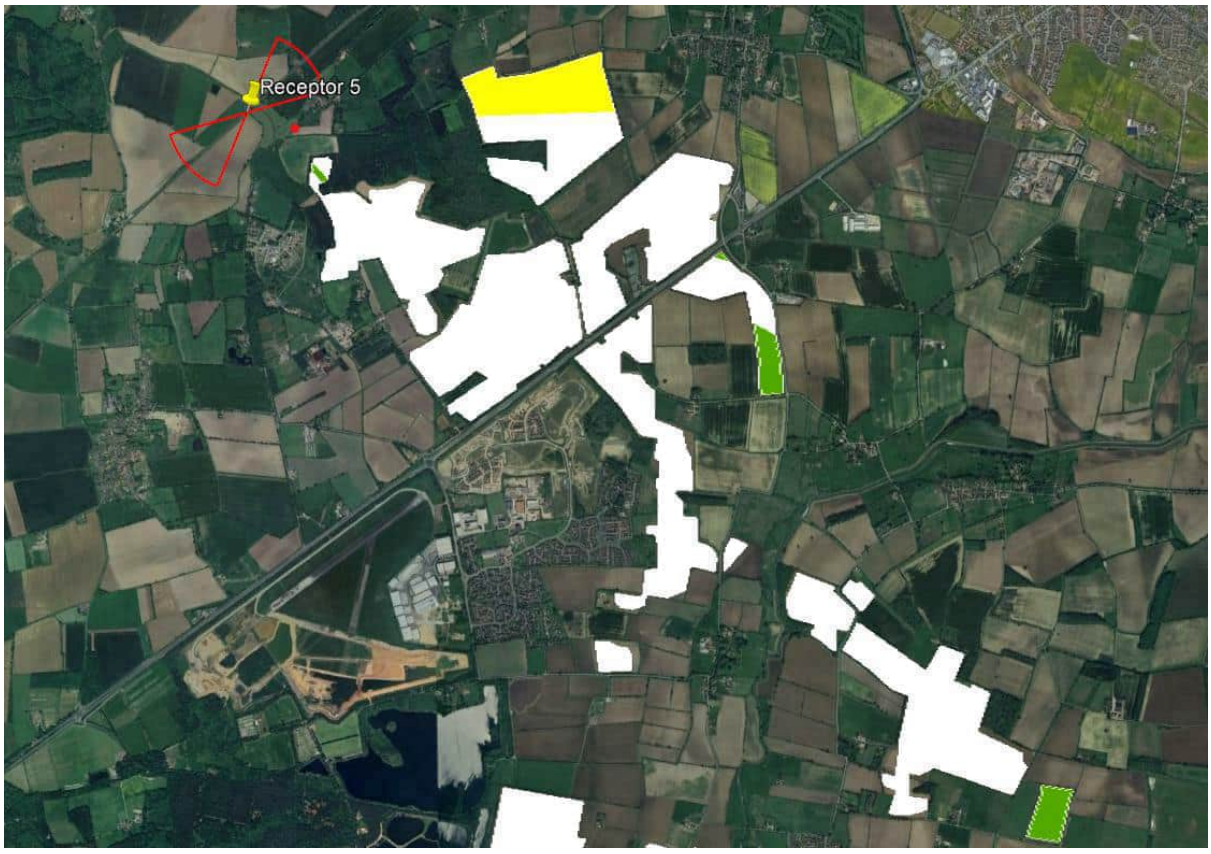


Receptor 3



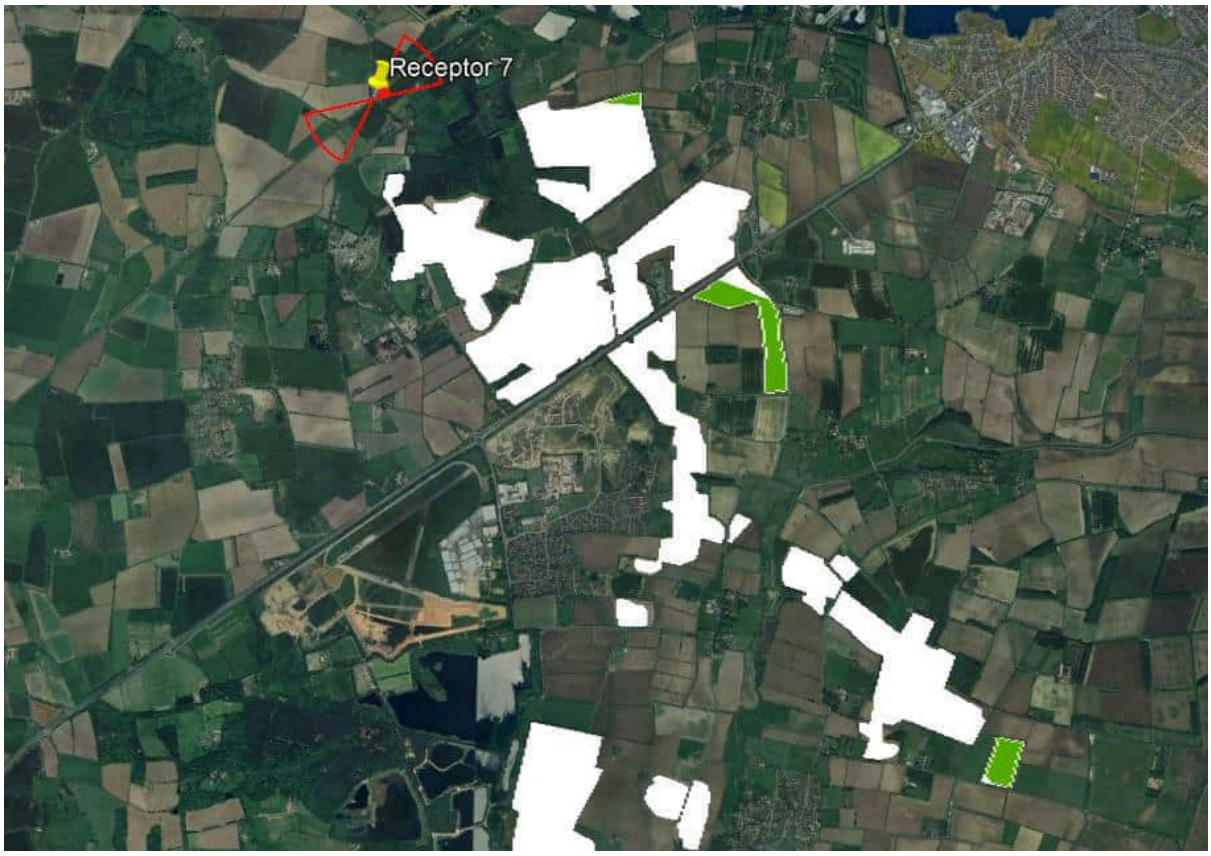
Receptor 4

Receptor 5



Receptor 6

Receptor 7



Receptor 8

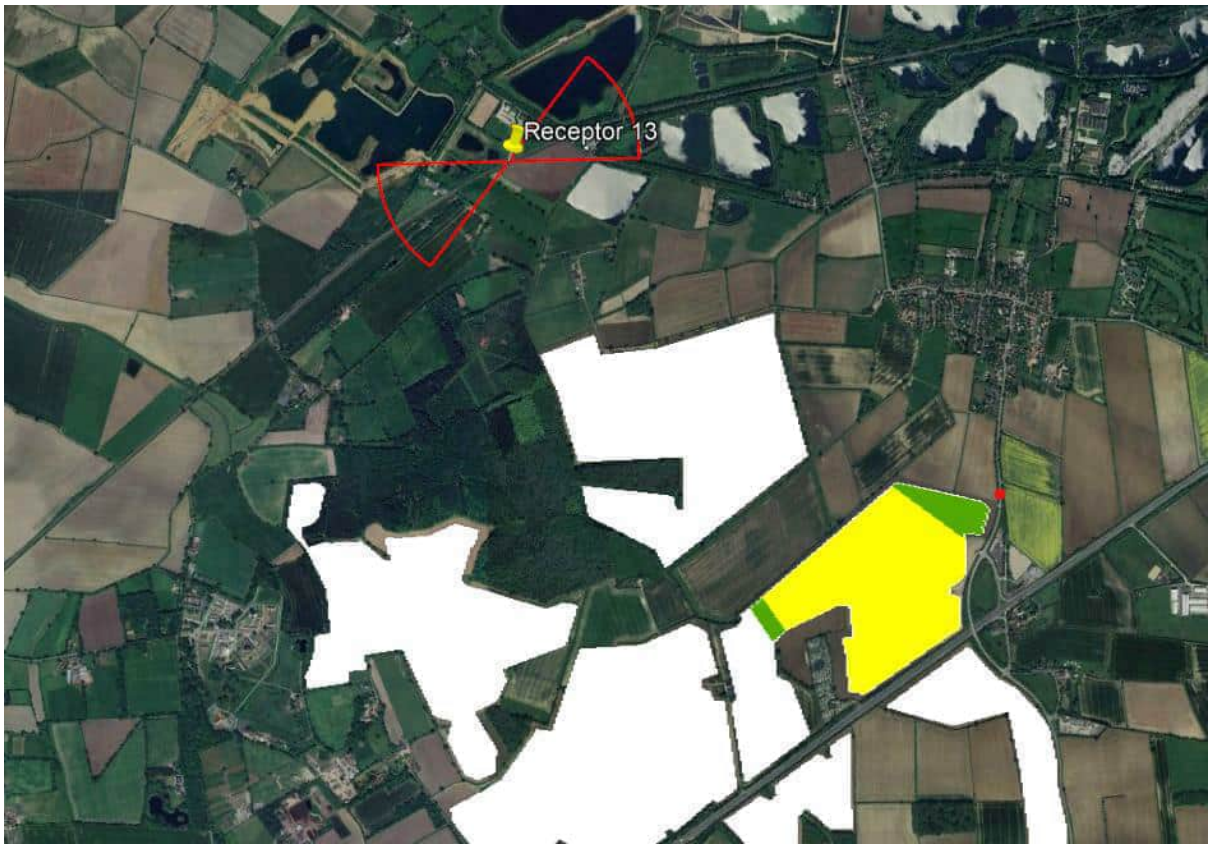
Receptor 9

Receptor 10

Receptor 11

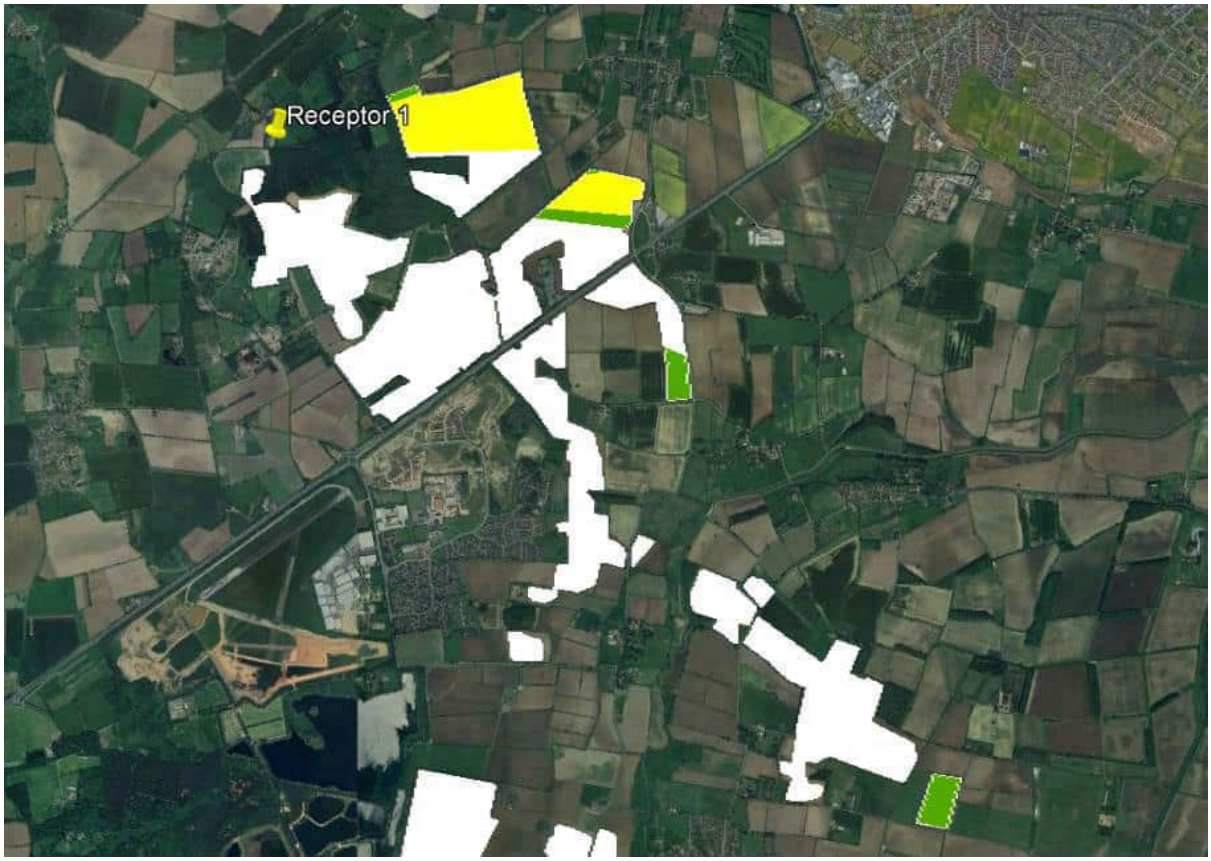
Receptor 12

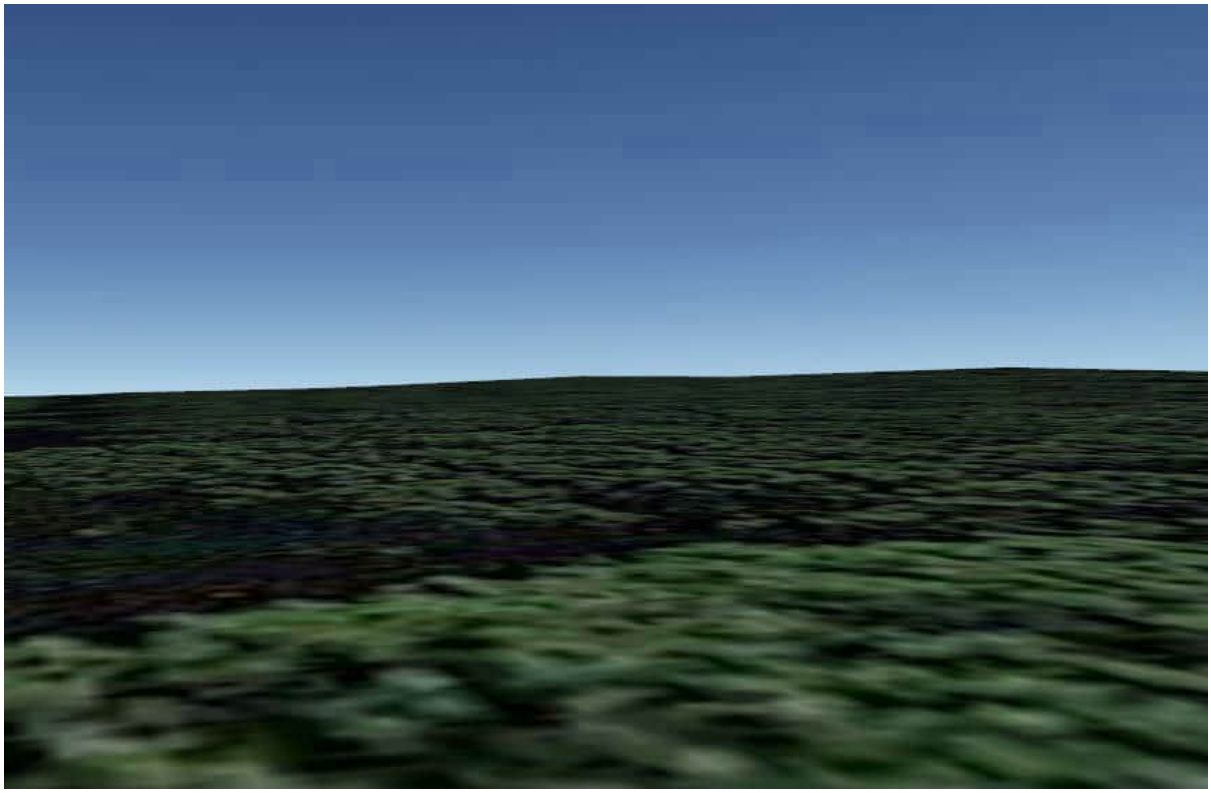
Receptor 13



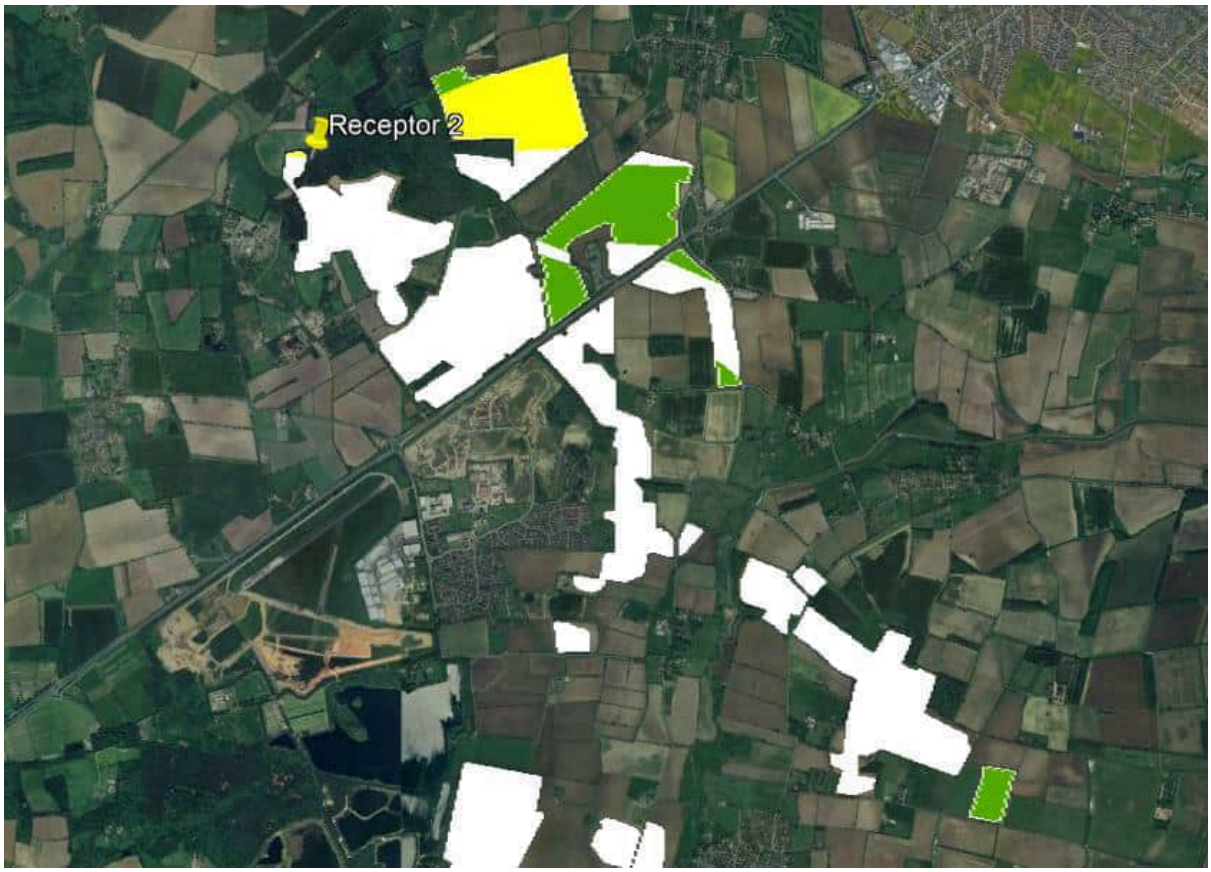
Bridleway Receptors

Receptor 1

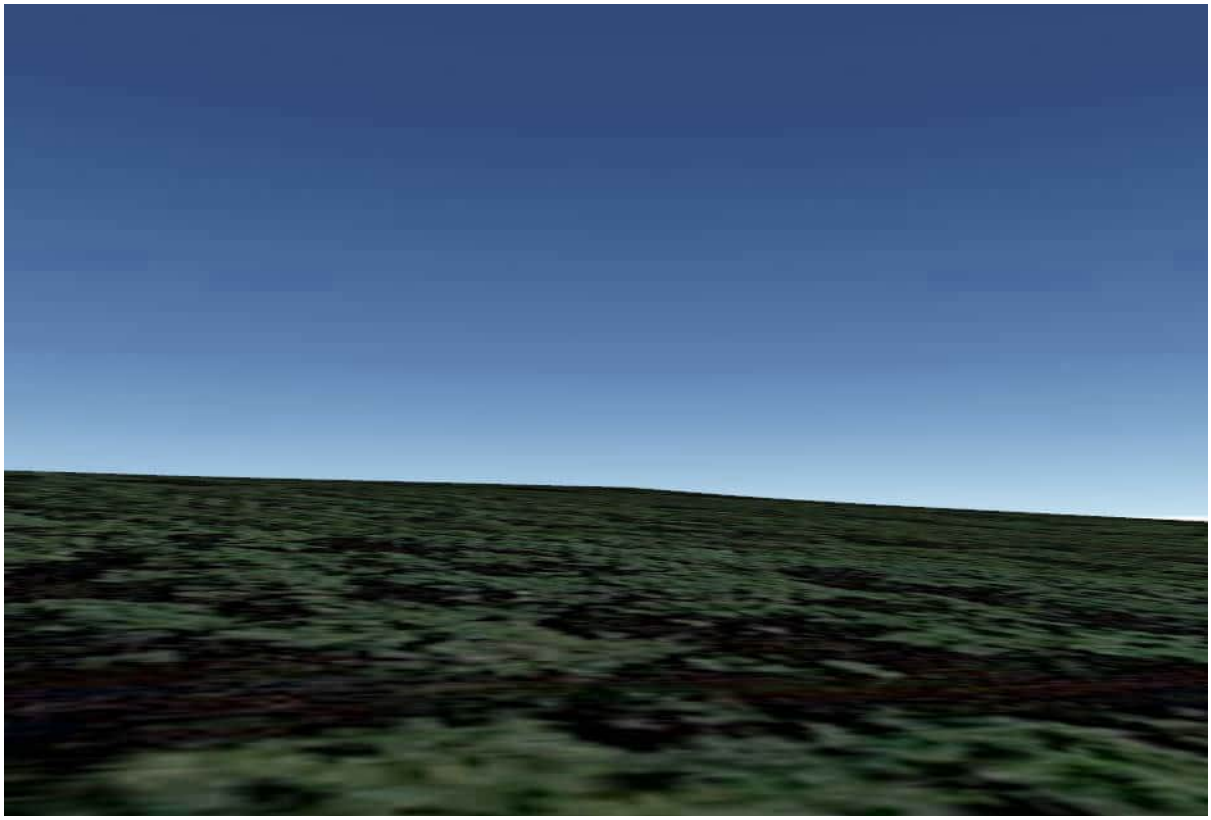




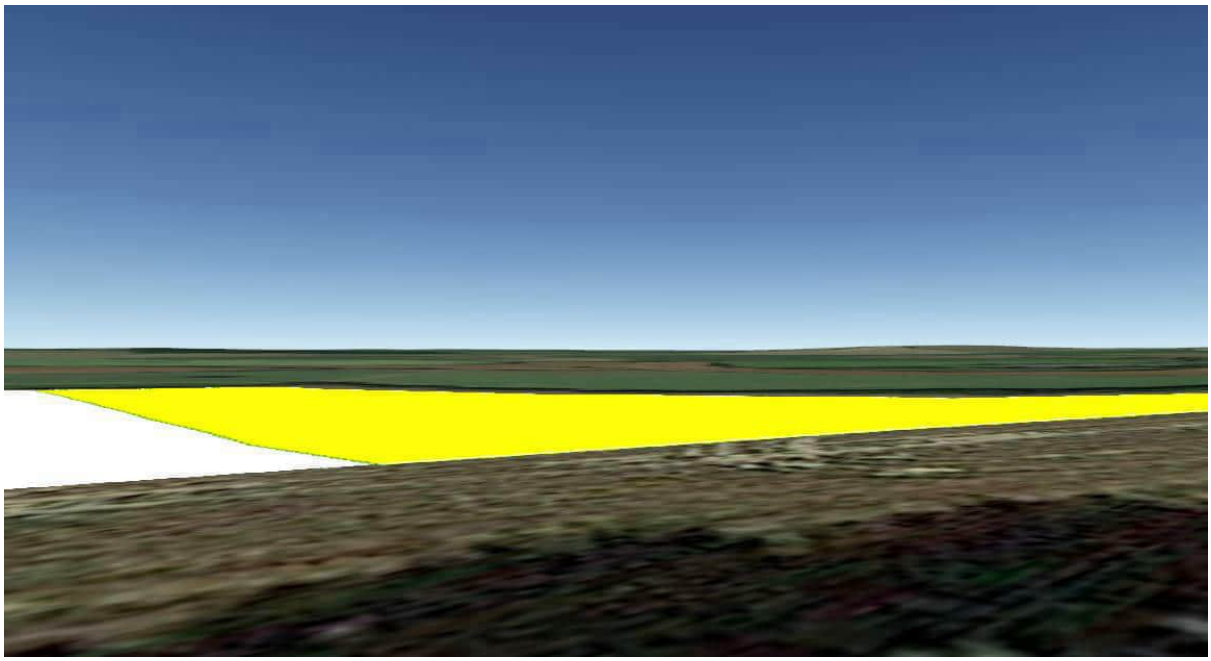
Receptor 2



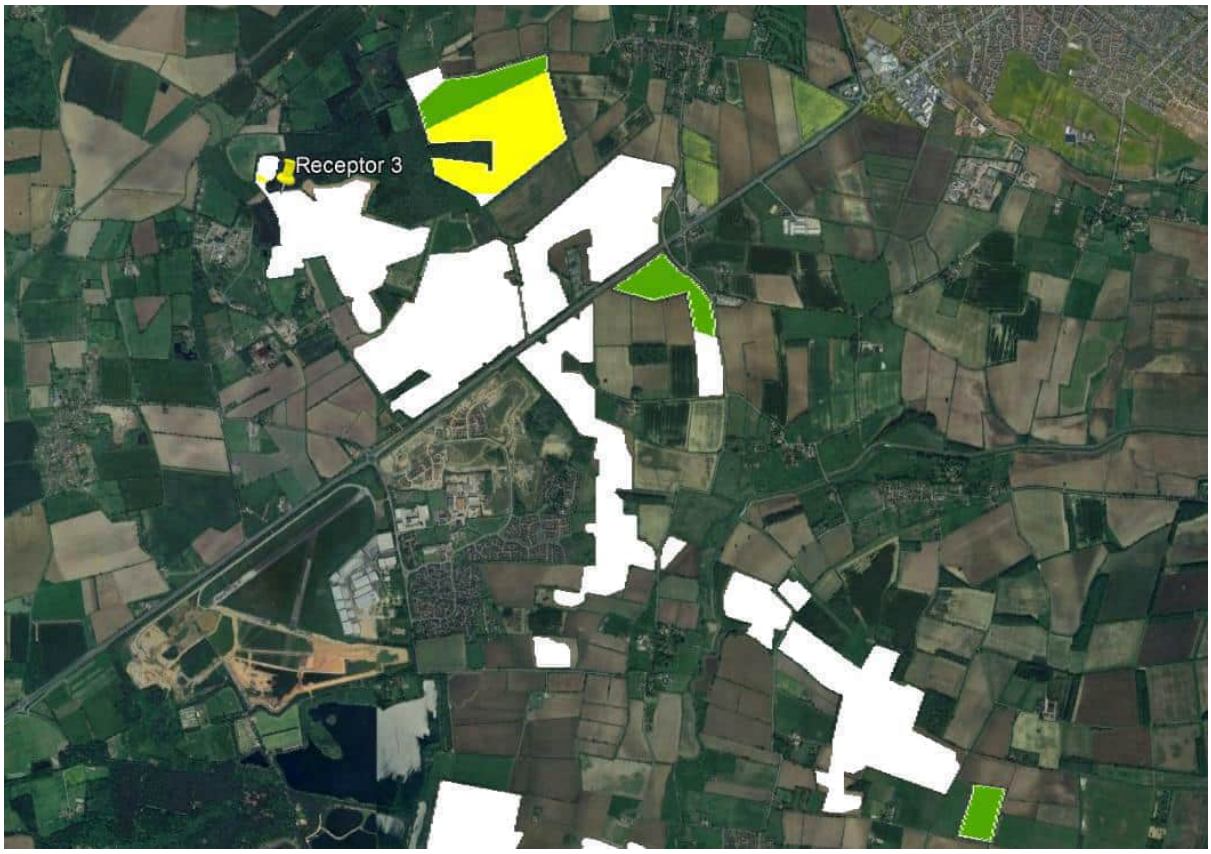
Looking East



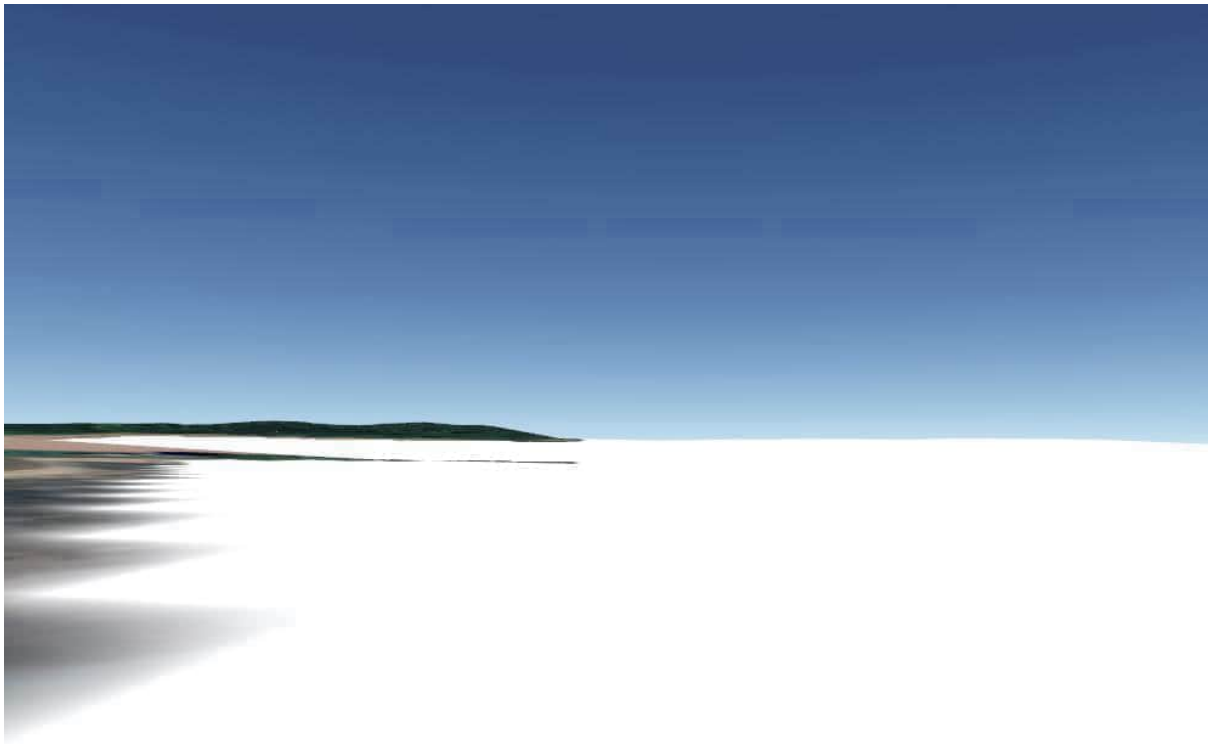
Looking West



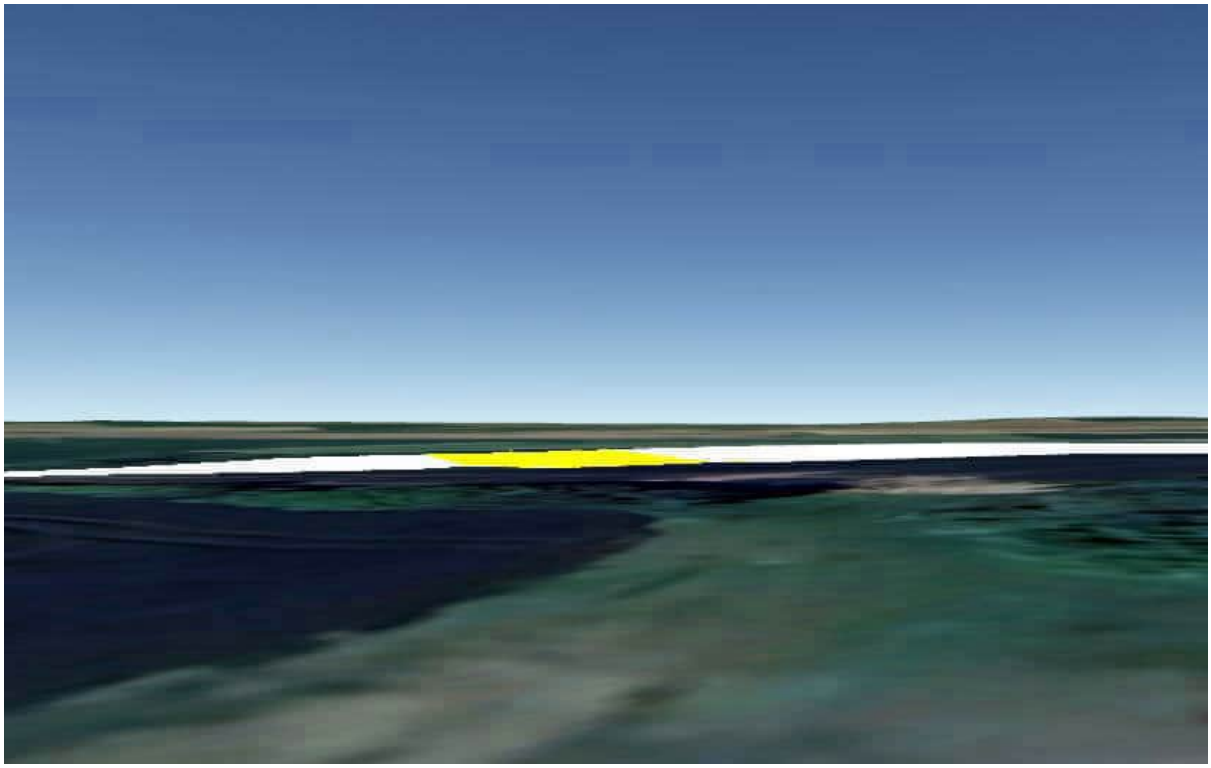
Receptor 3



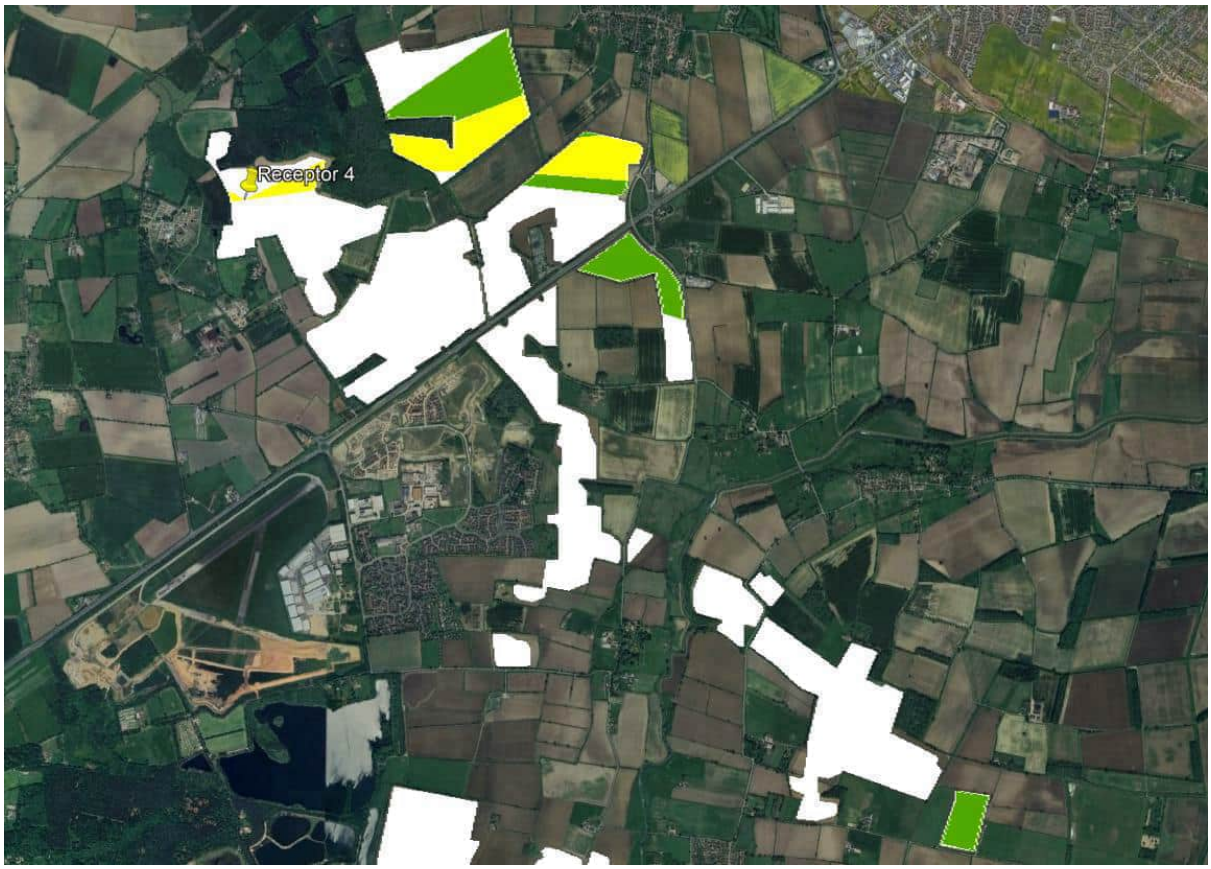
Looking East



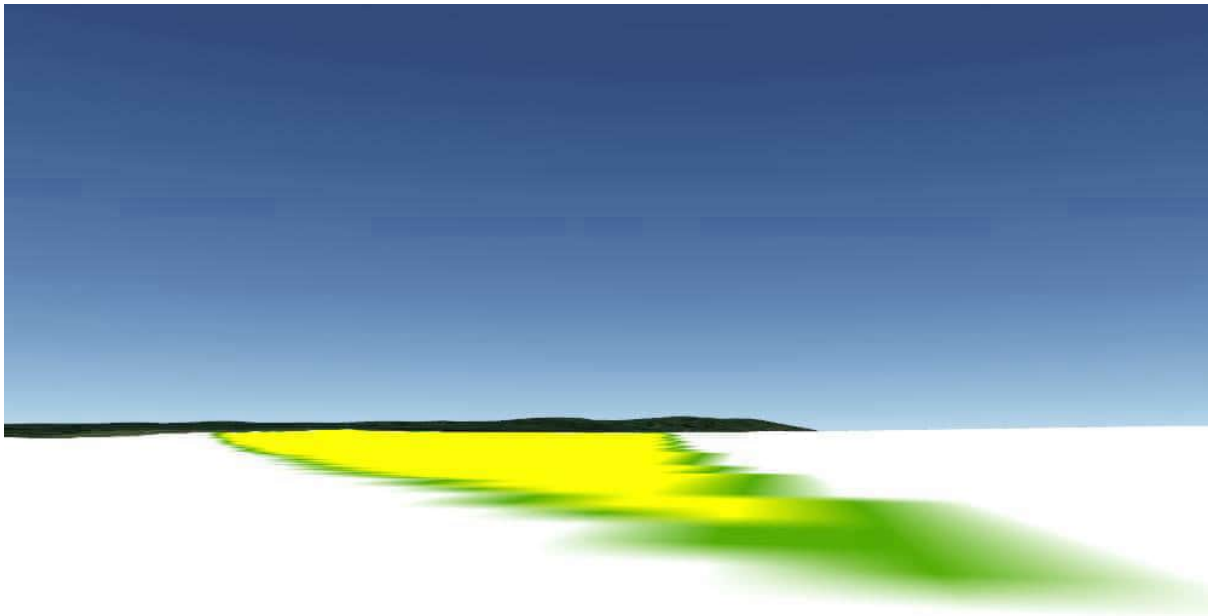
Looking West



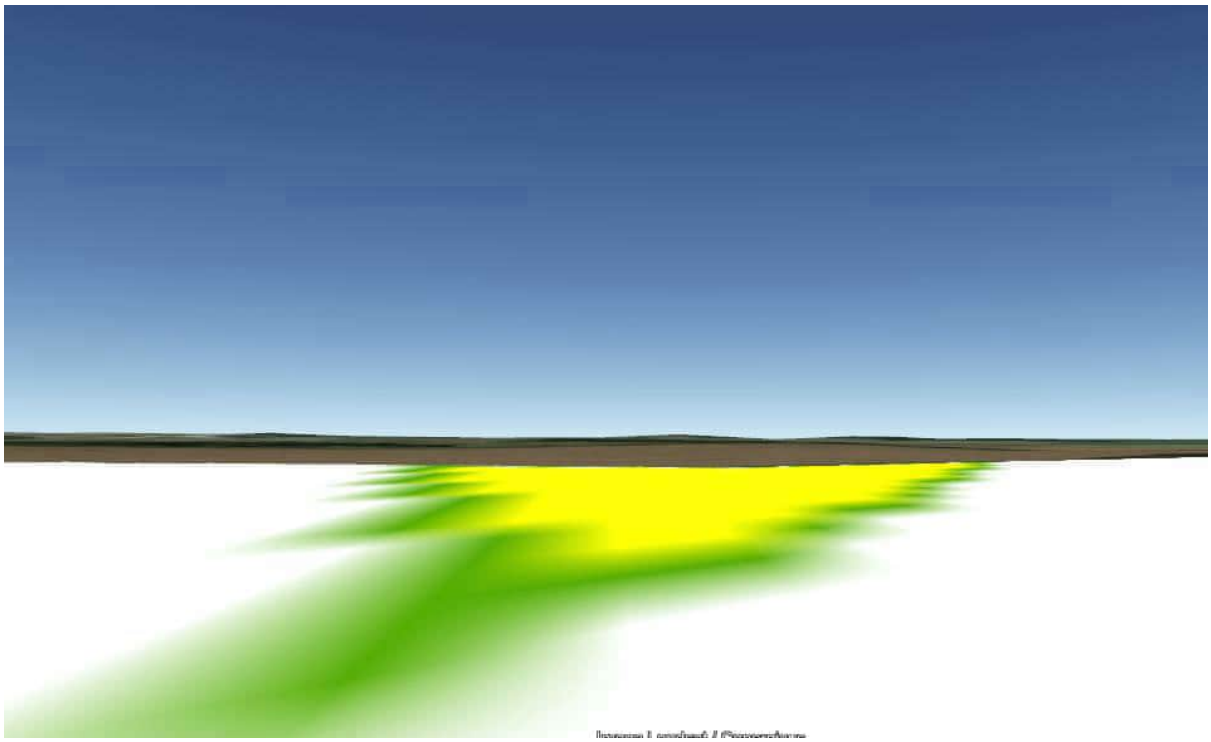
Receptor 4



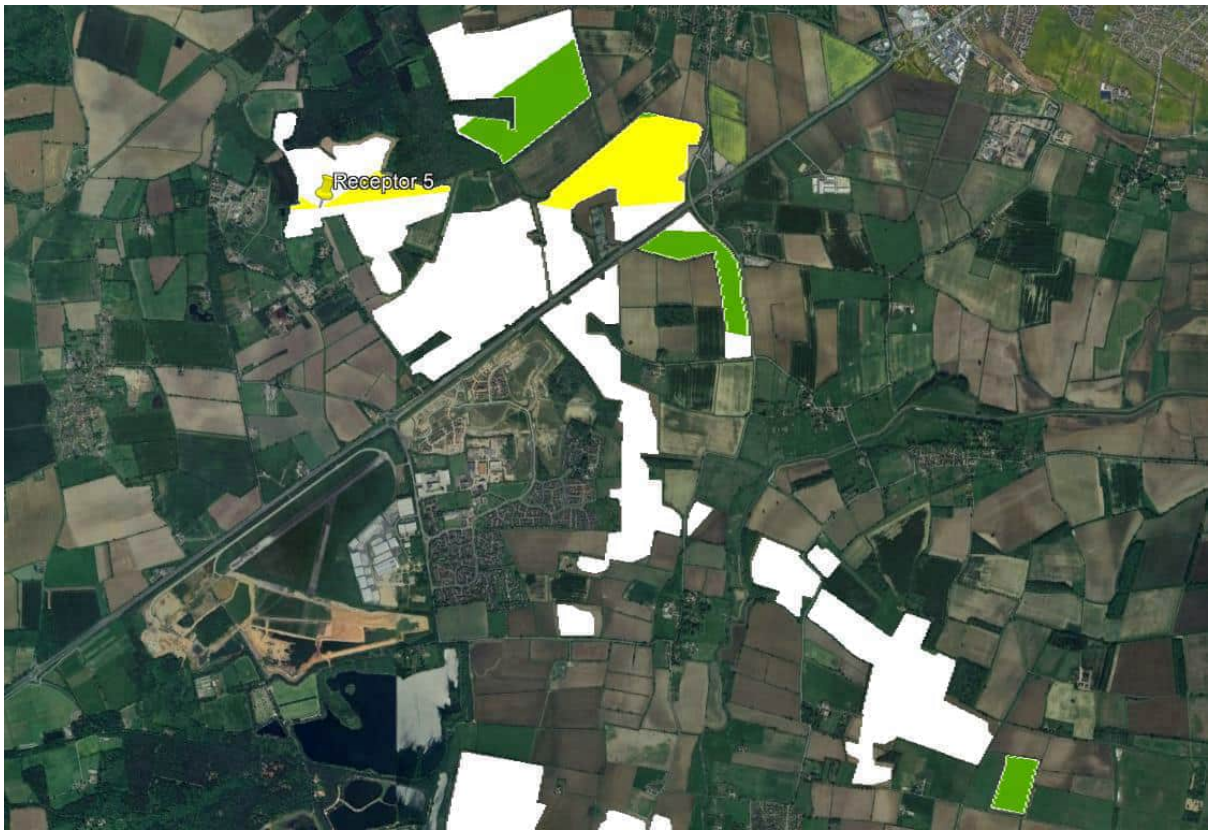
Looking East



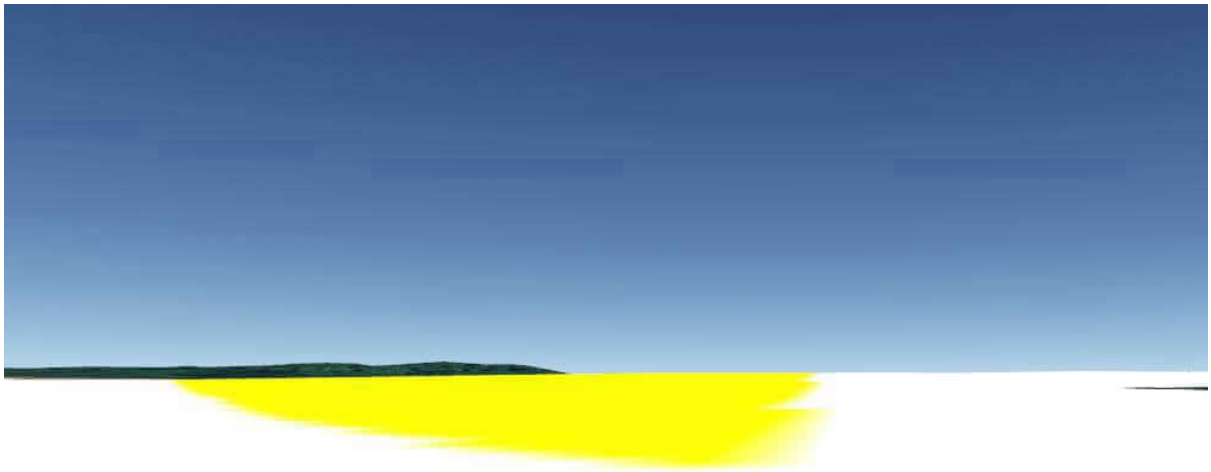
Looking West



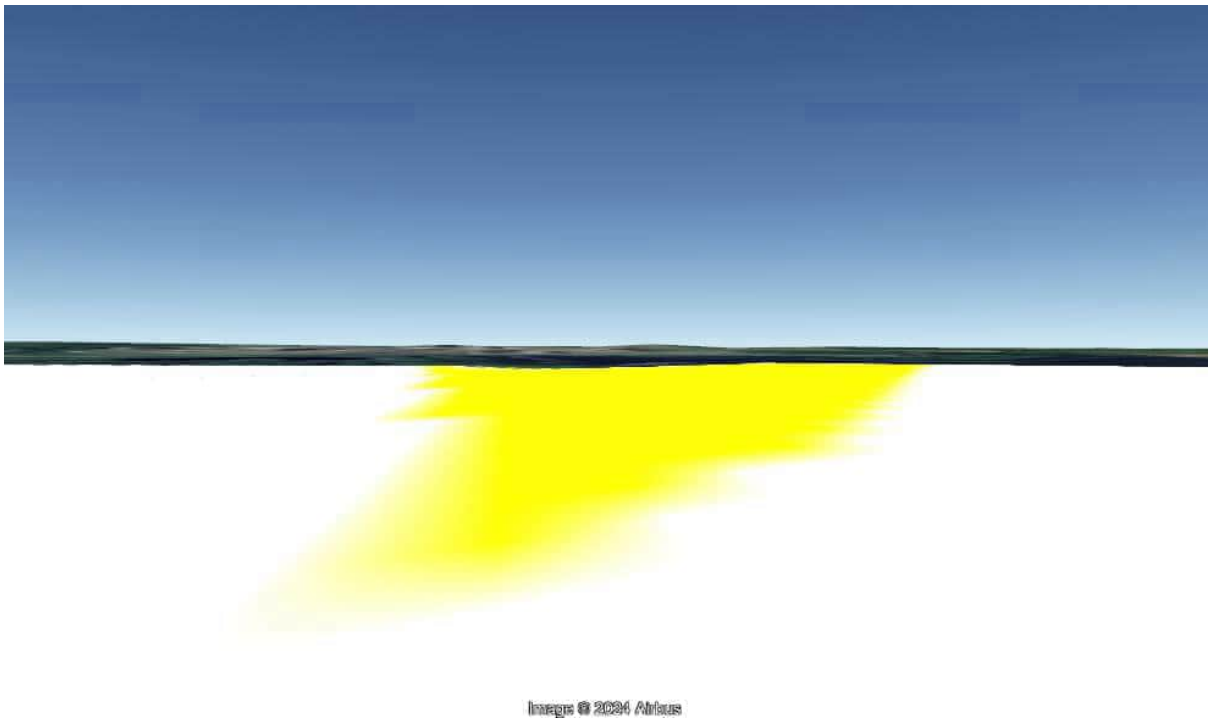
Receptor 5



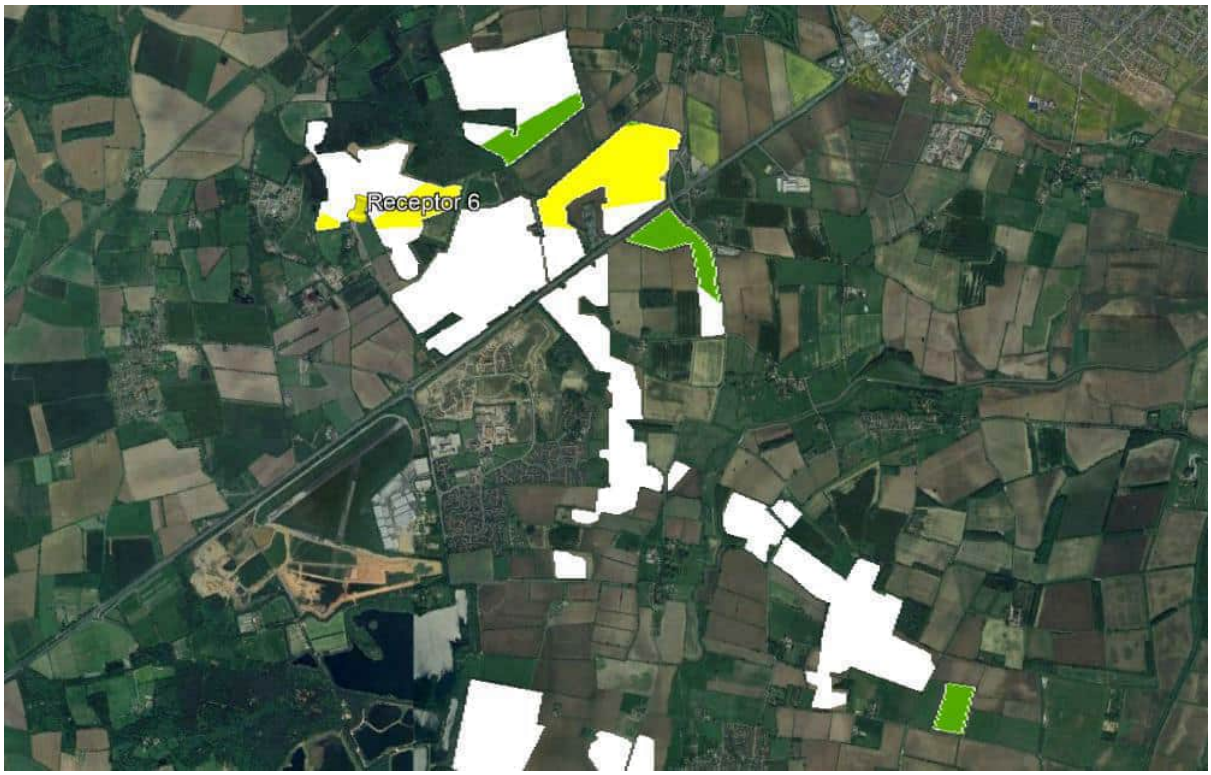
Looking East



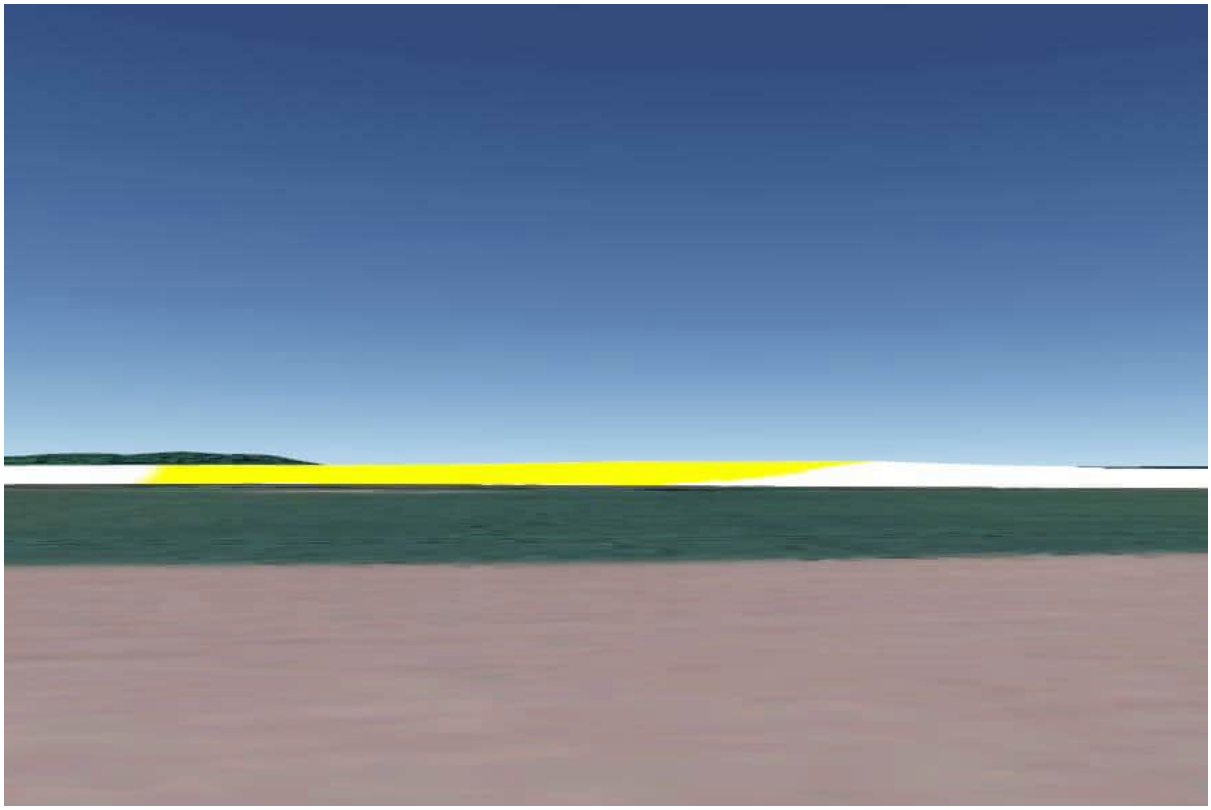
Looking West



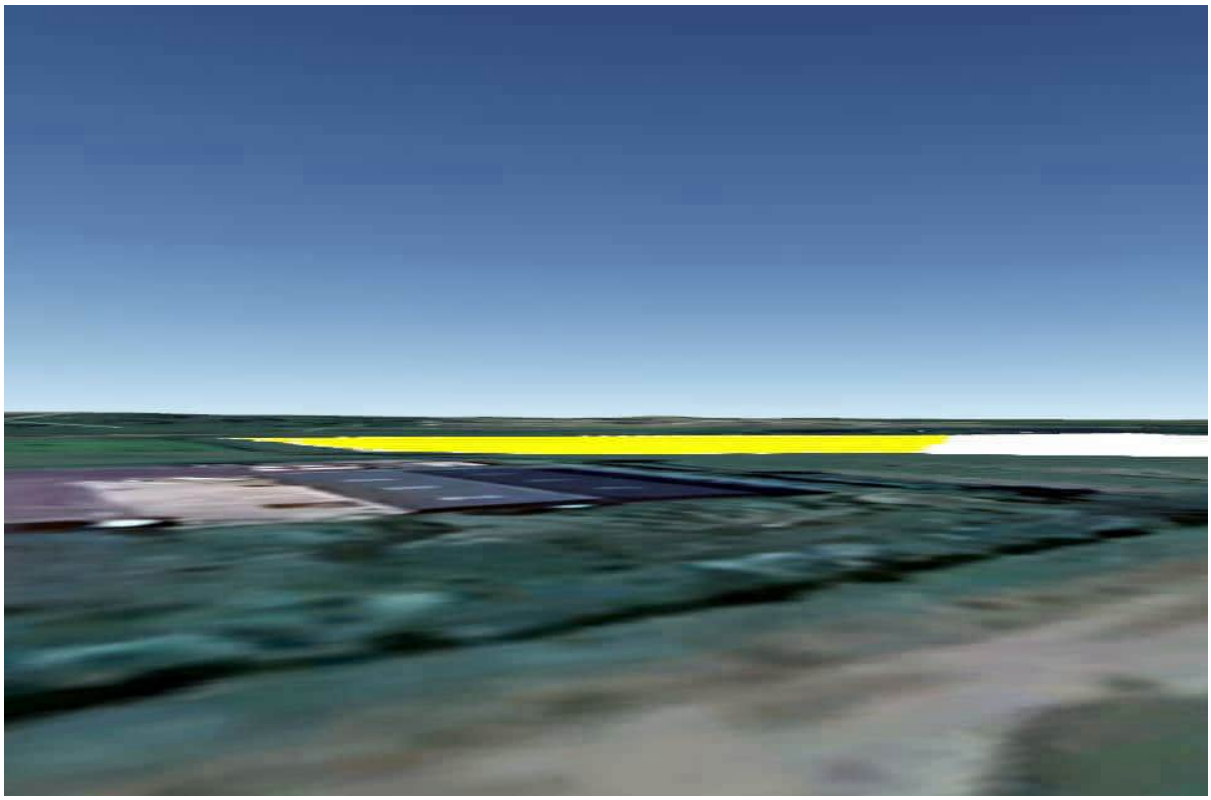
Receptor 6



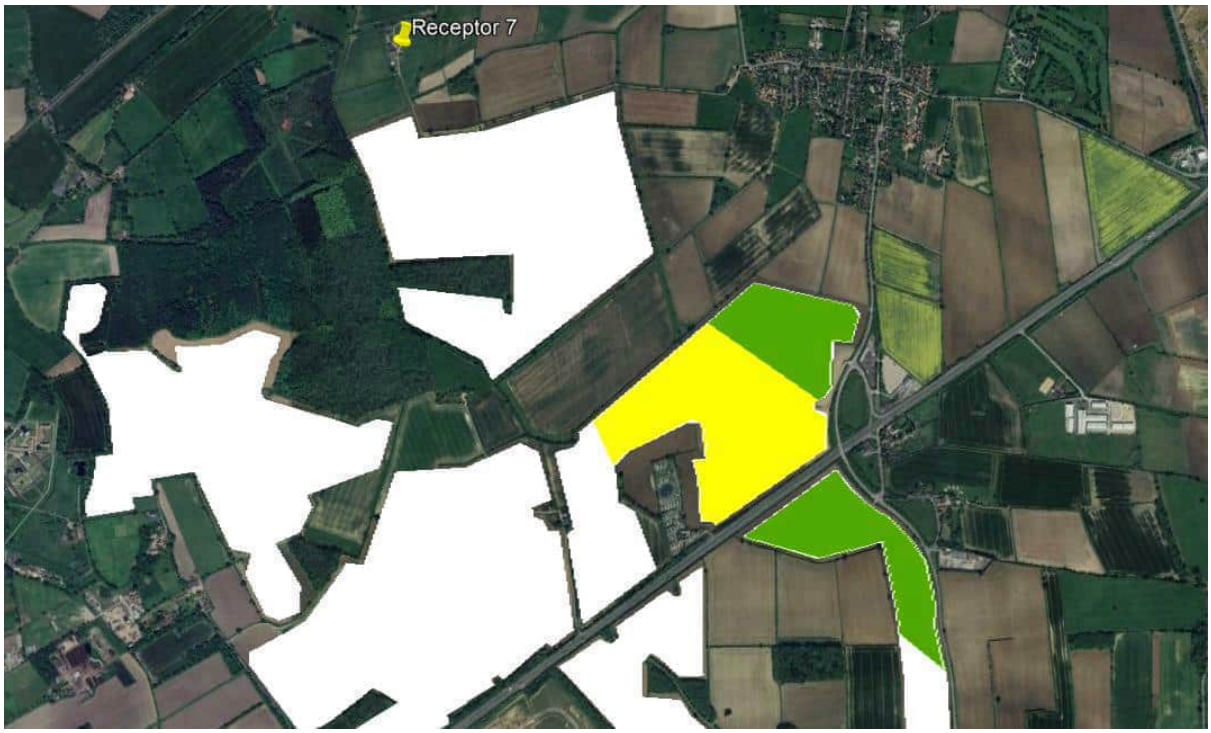
Looking East

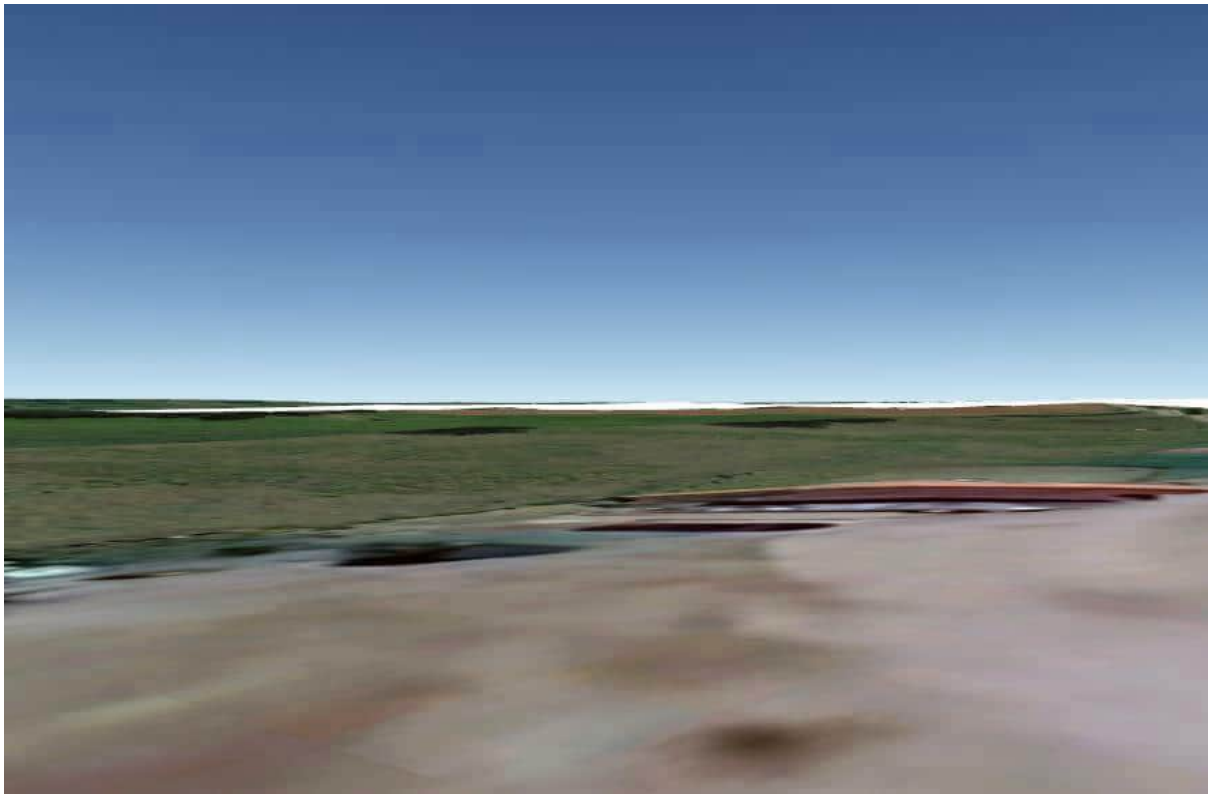


Looking West

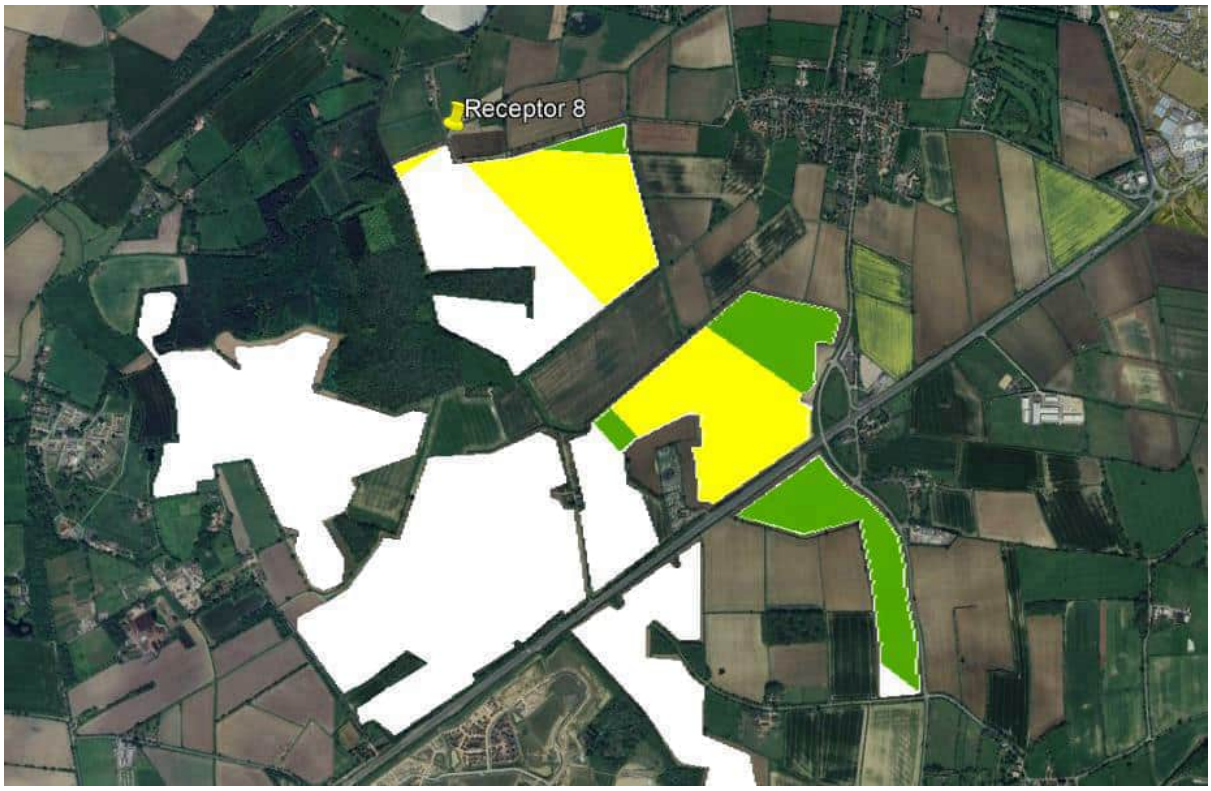


Receptor 7

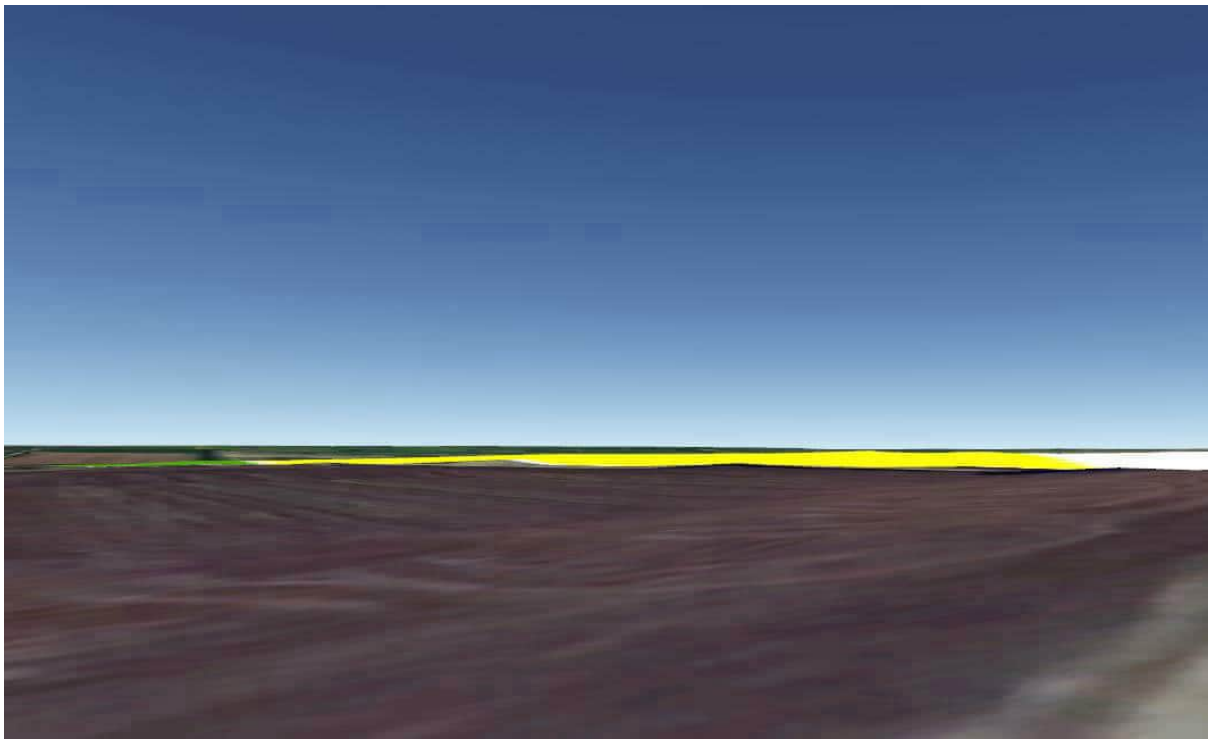




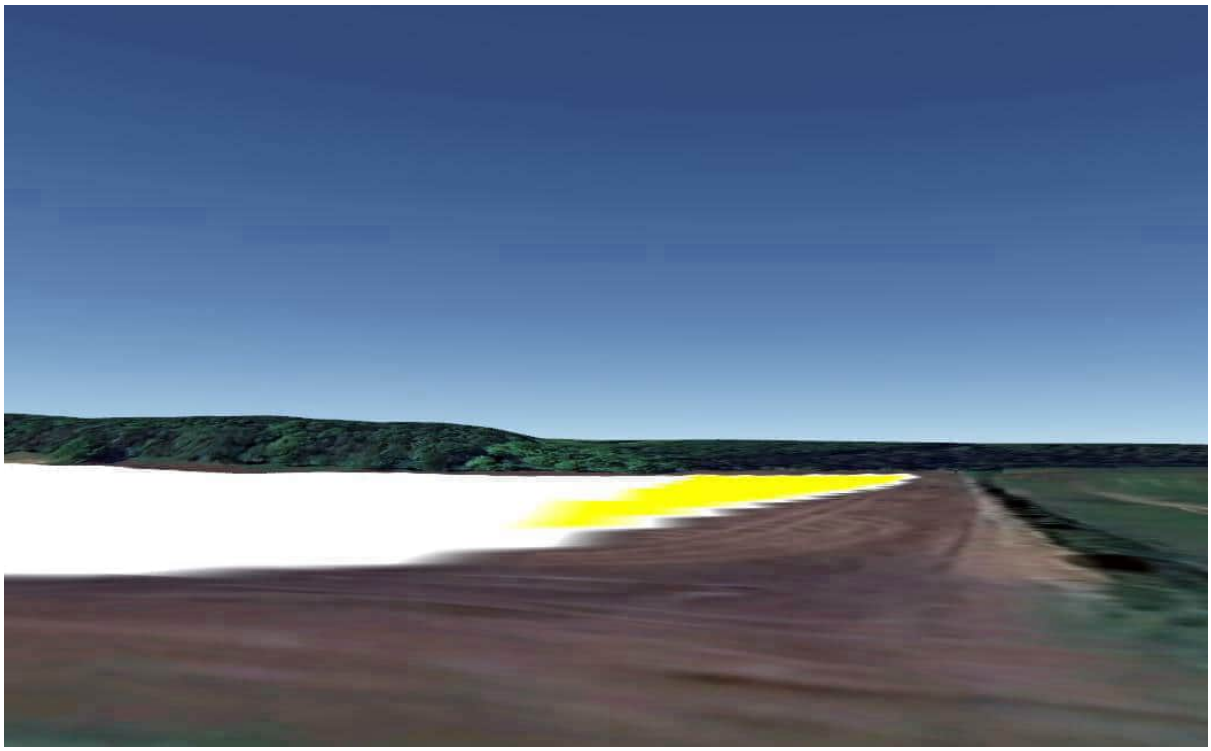
Receptor 8



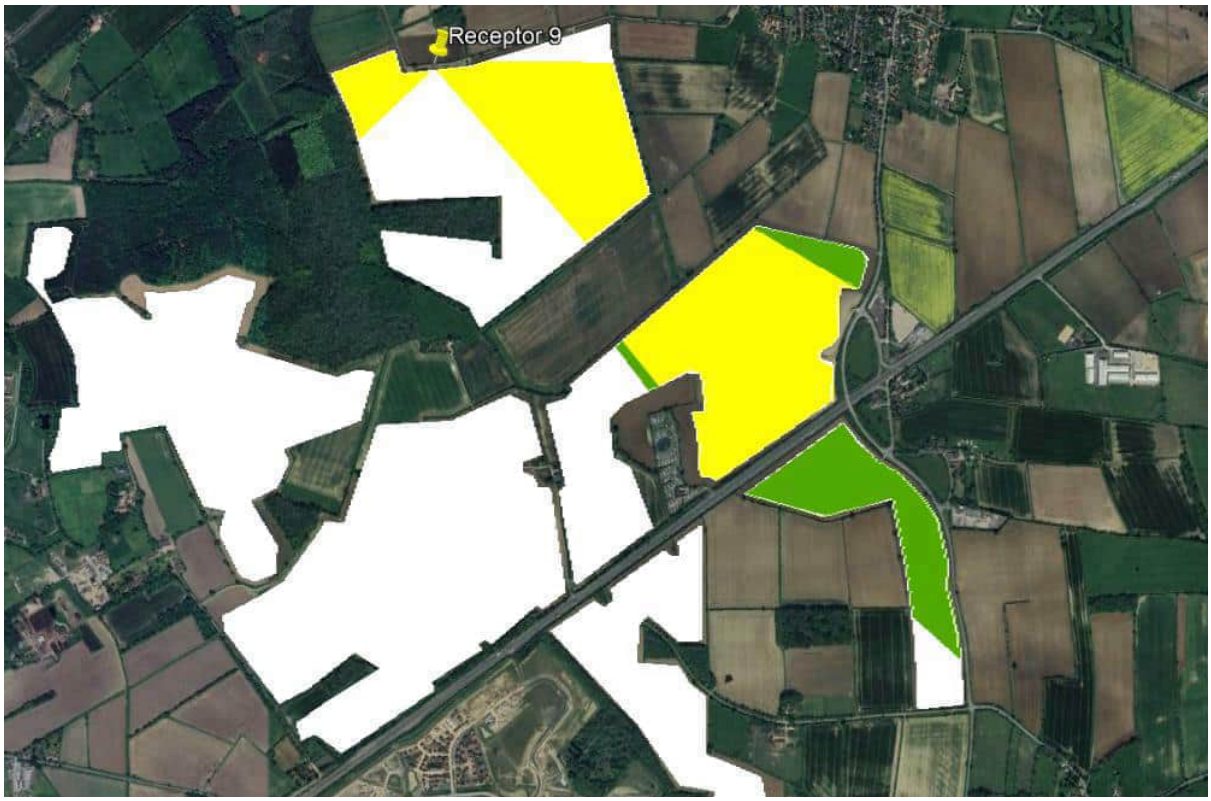
Looking South



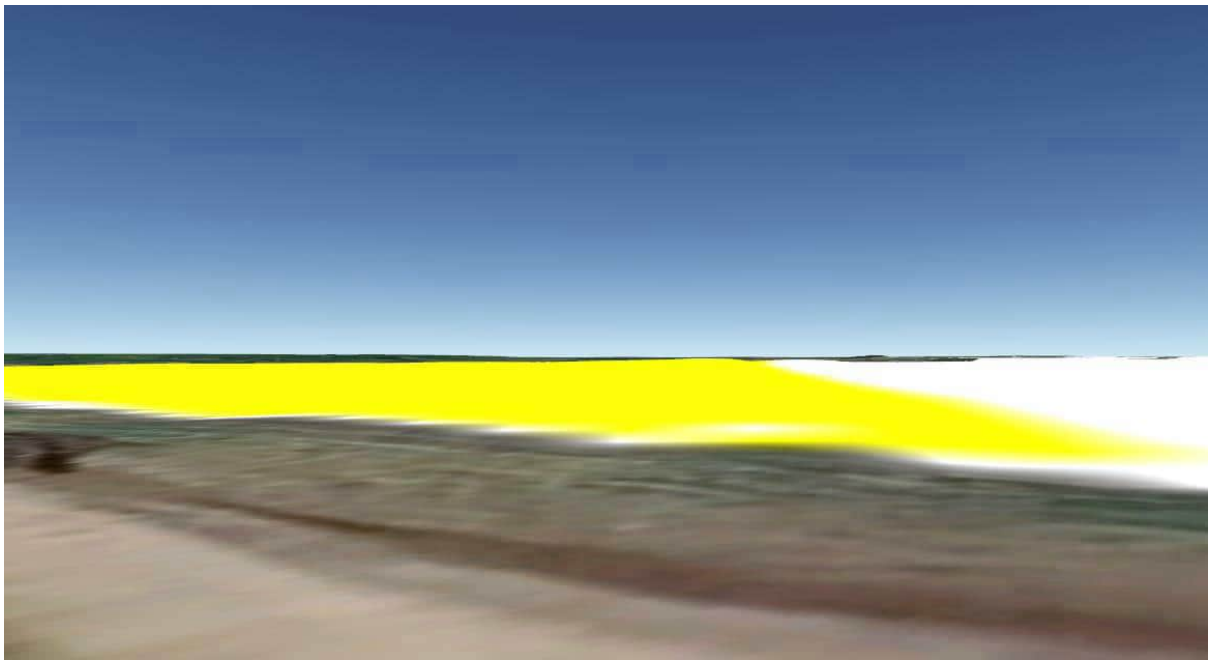
Looking West



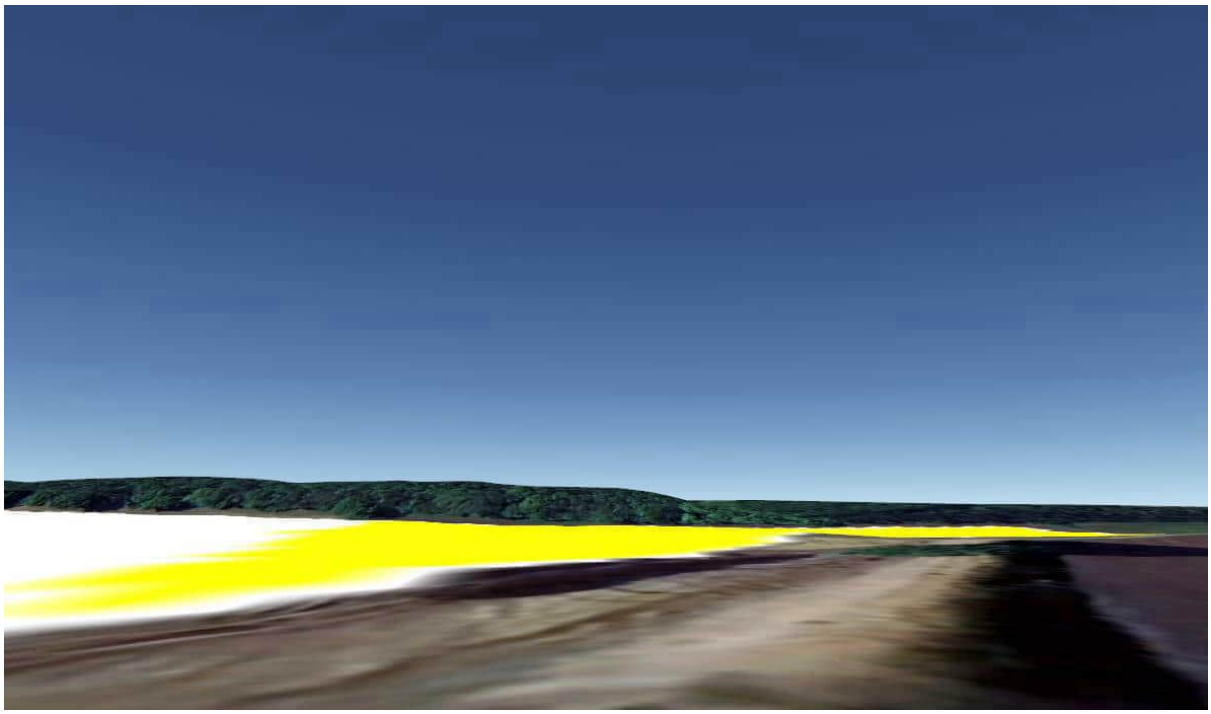
Receptor 9



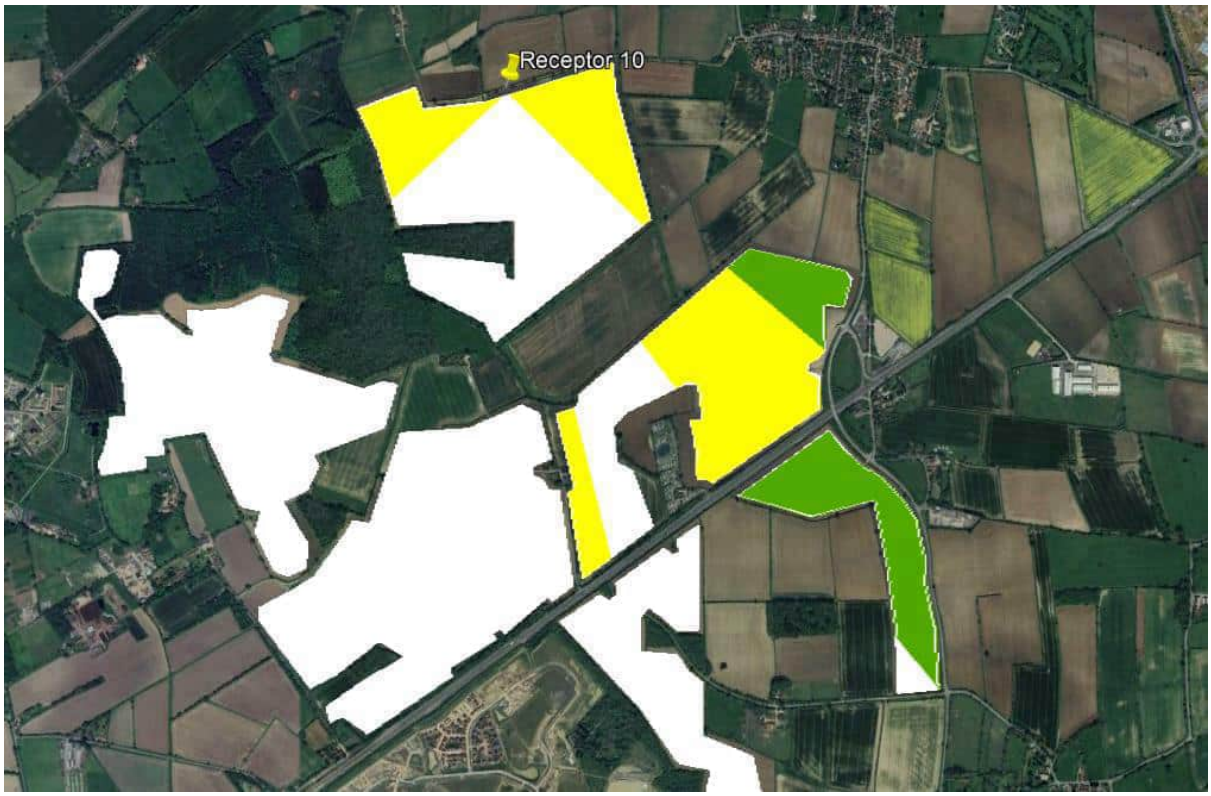
Looking Southeast



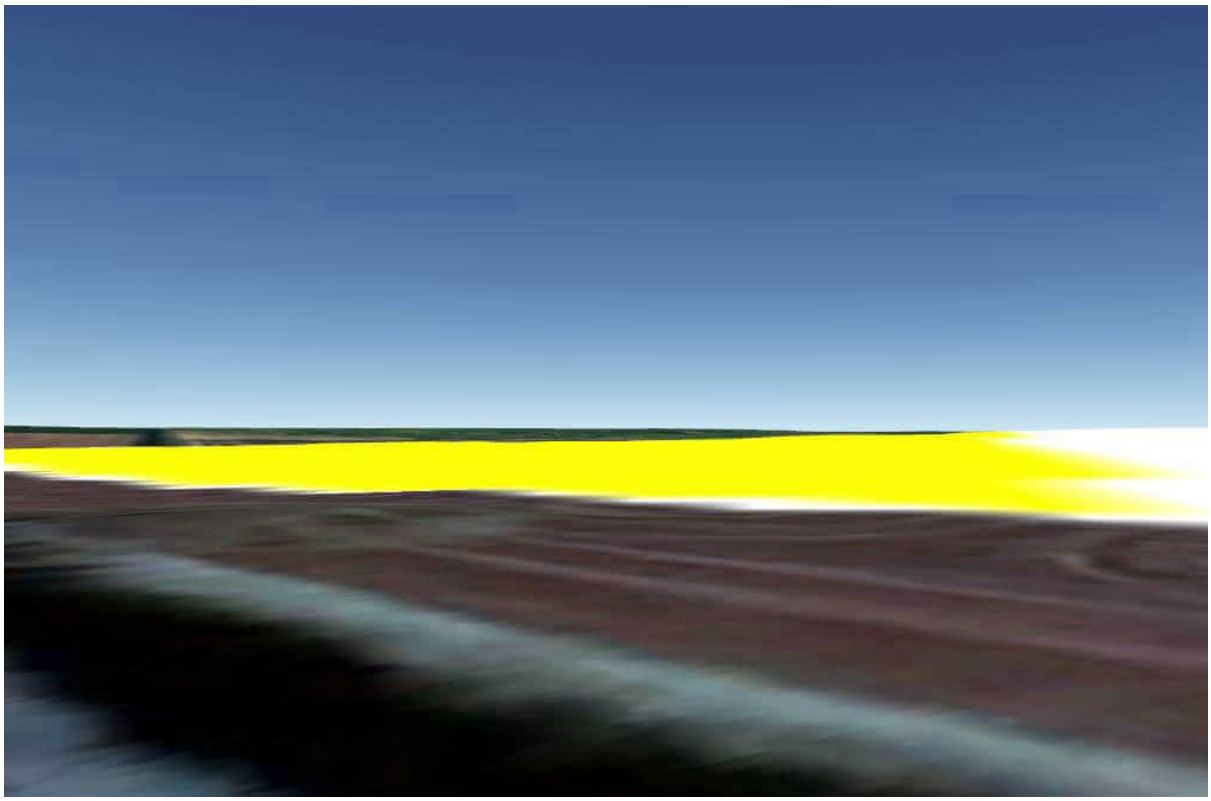
Looking West



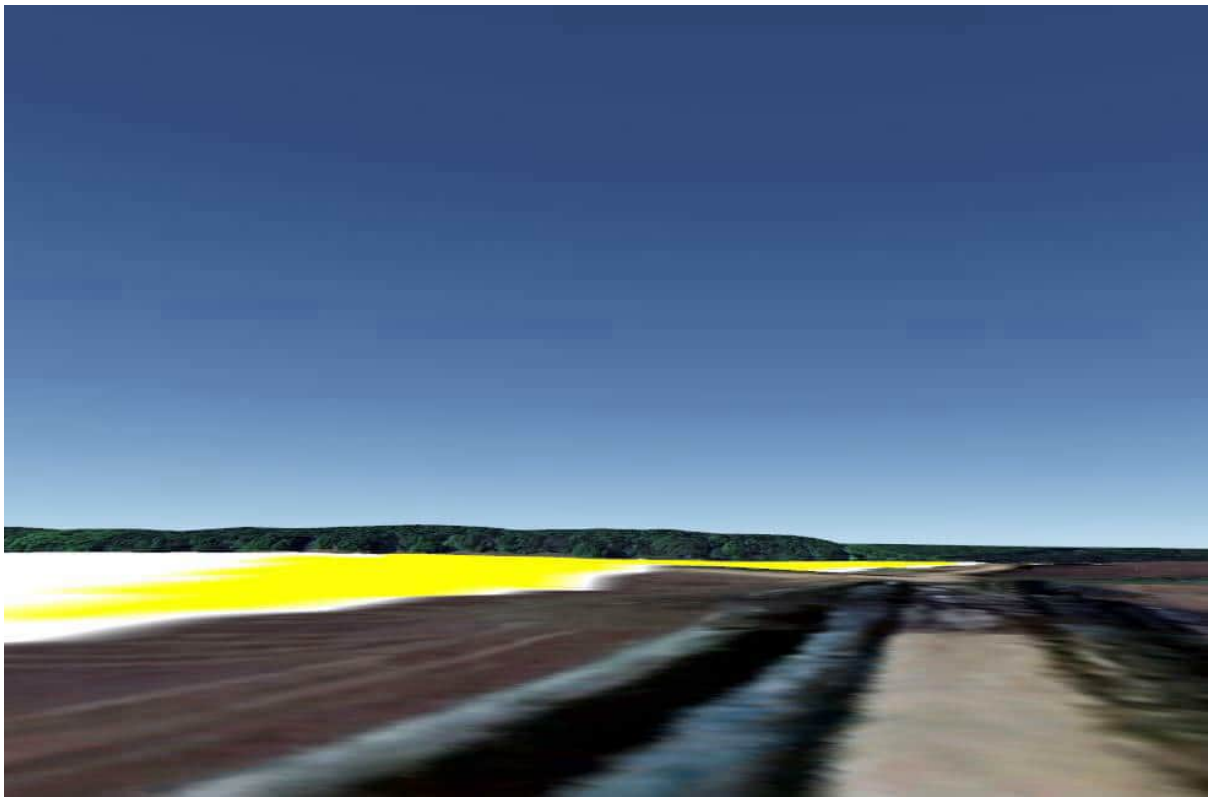
Receptor 10



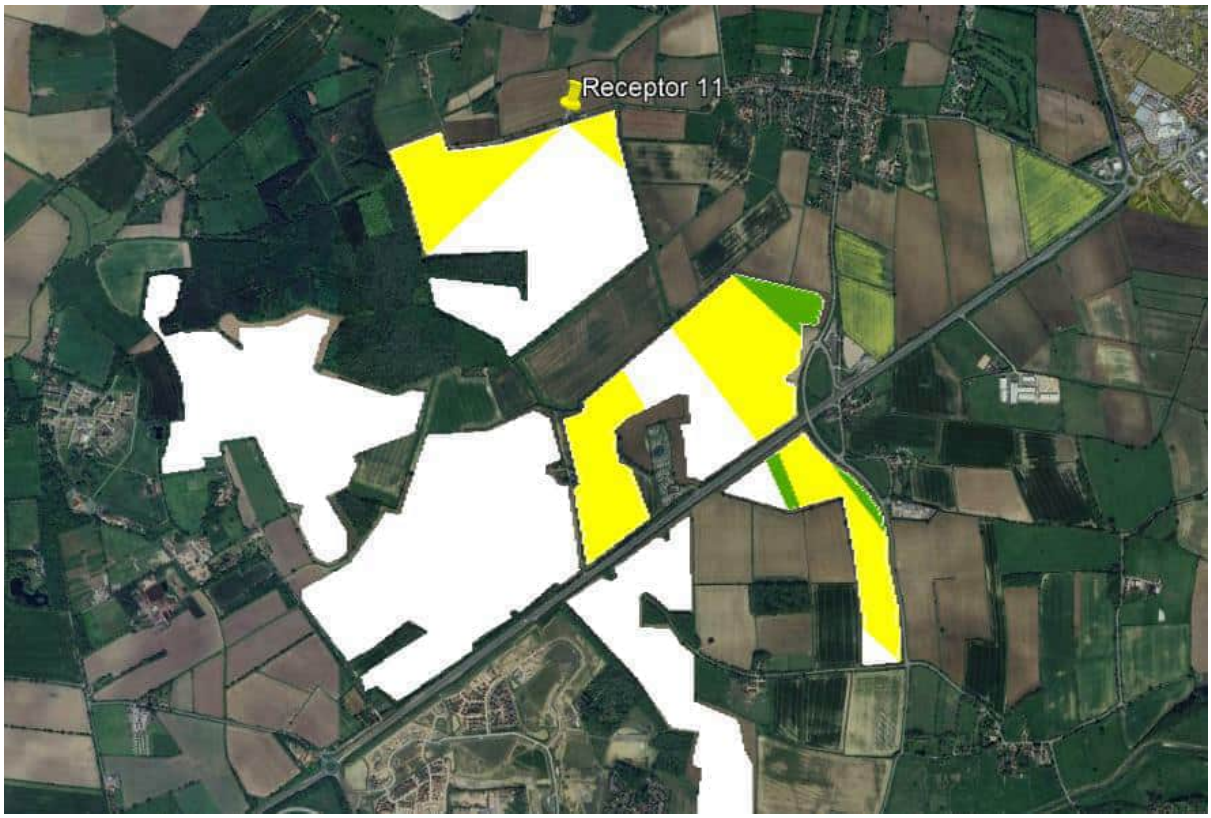
Looking Southeast



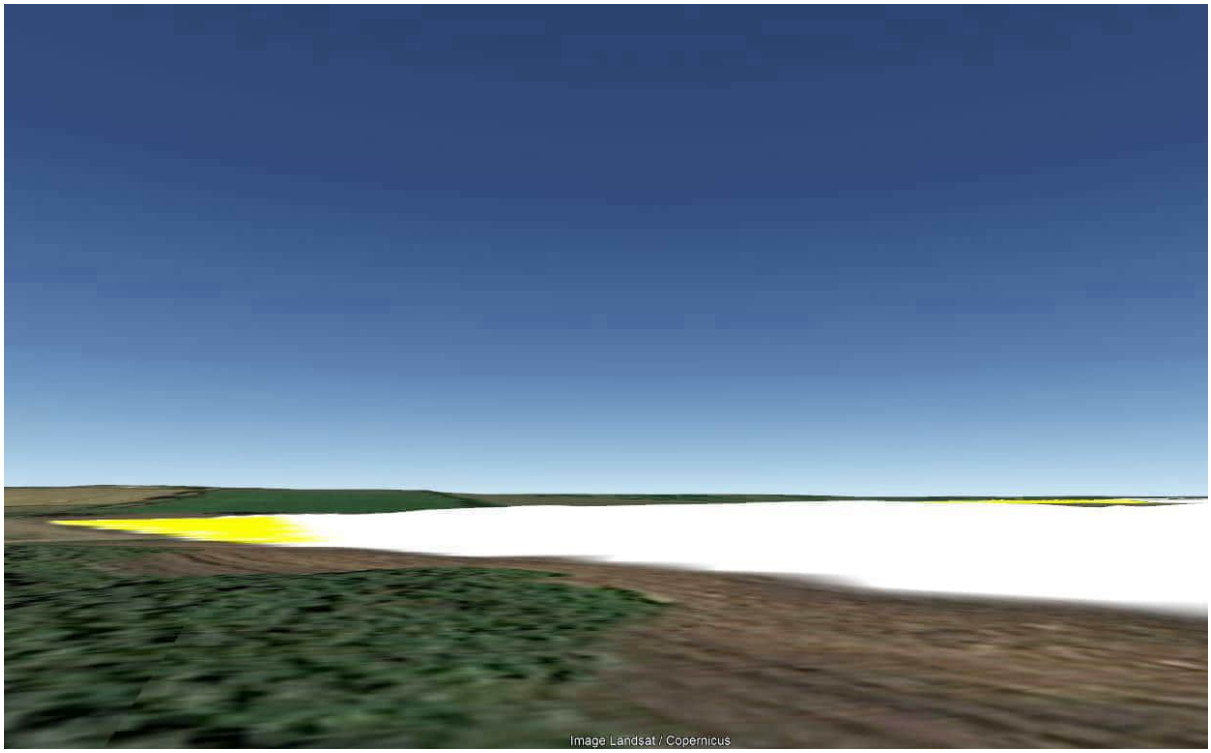
Looking West



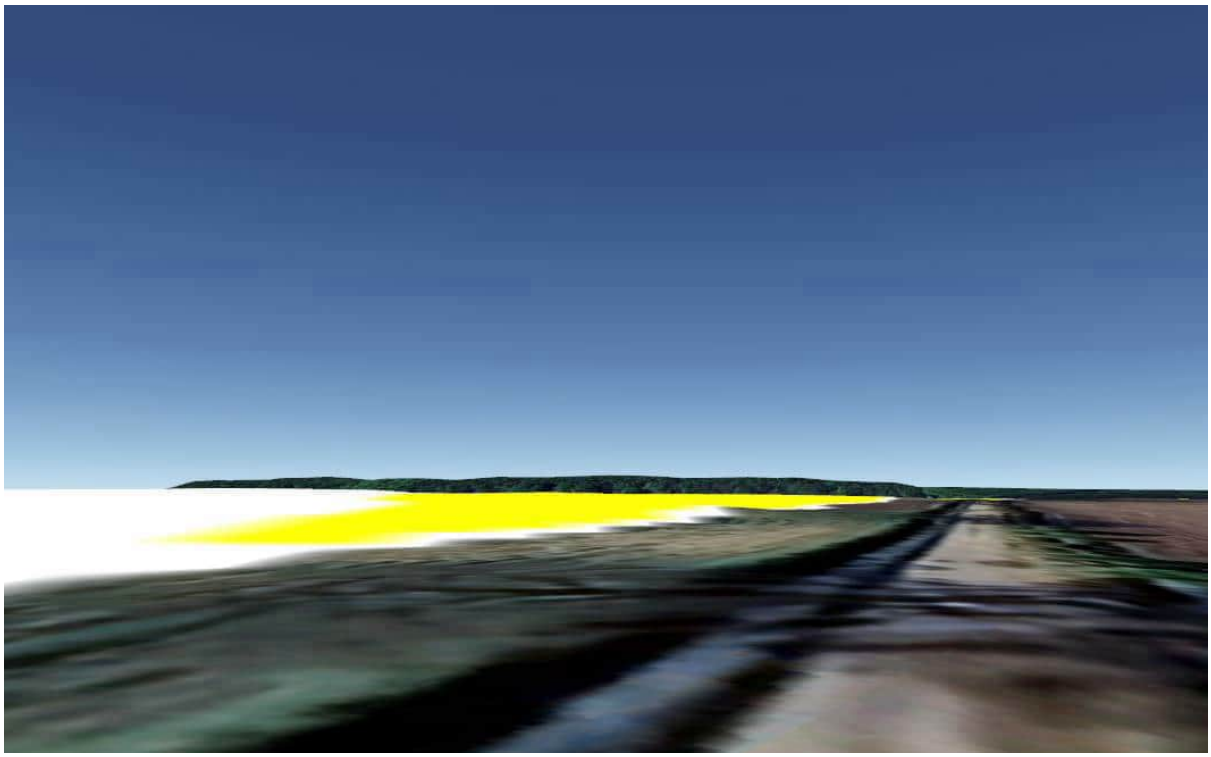
Receptor 11



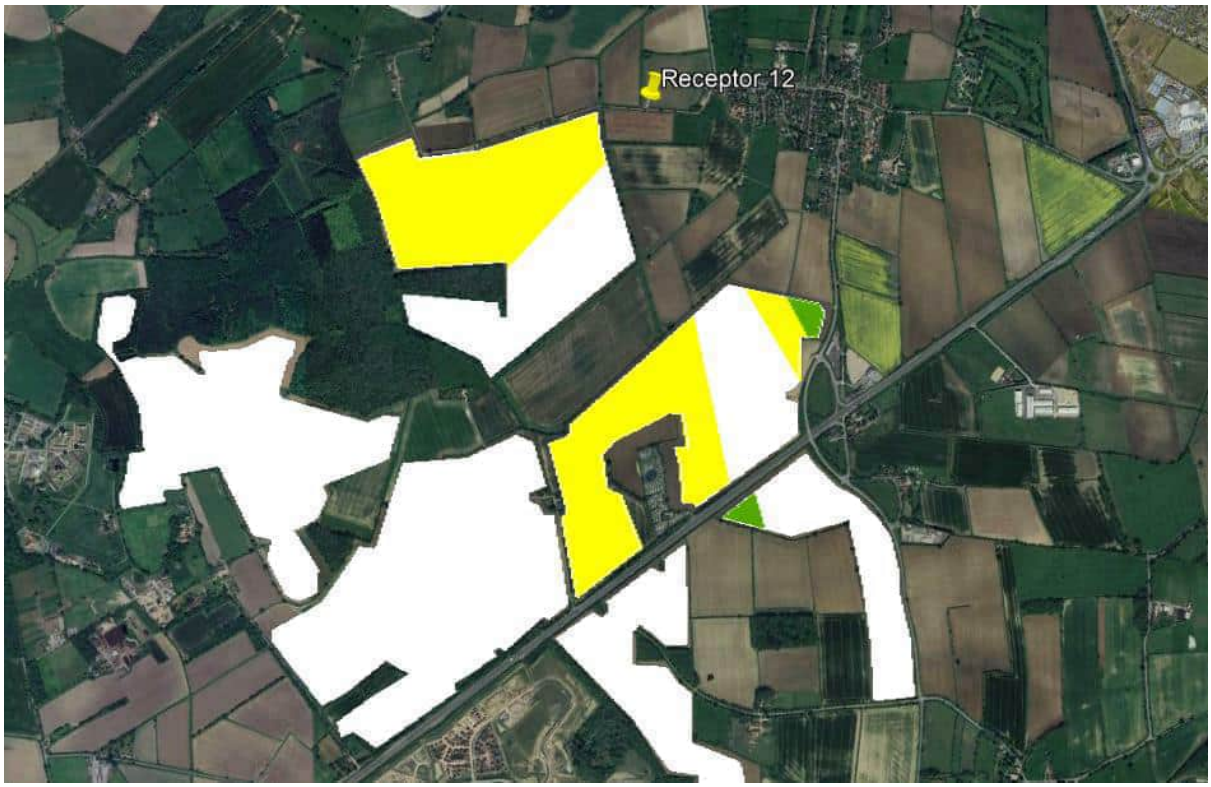
Looking Southeast



Looking West



Receptor 12

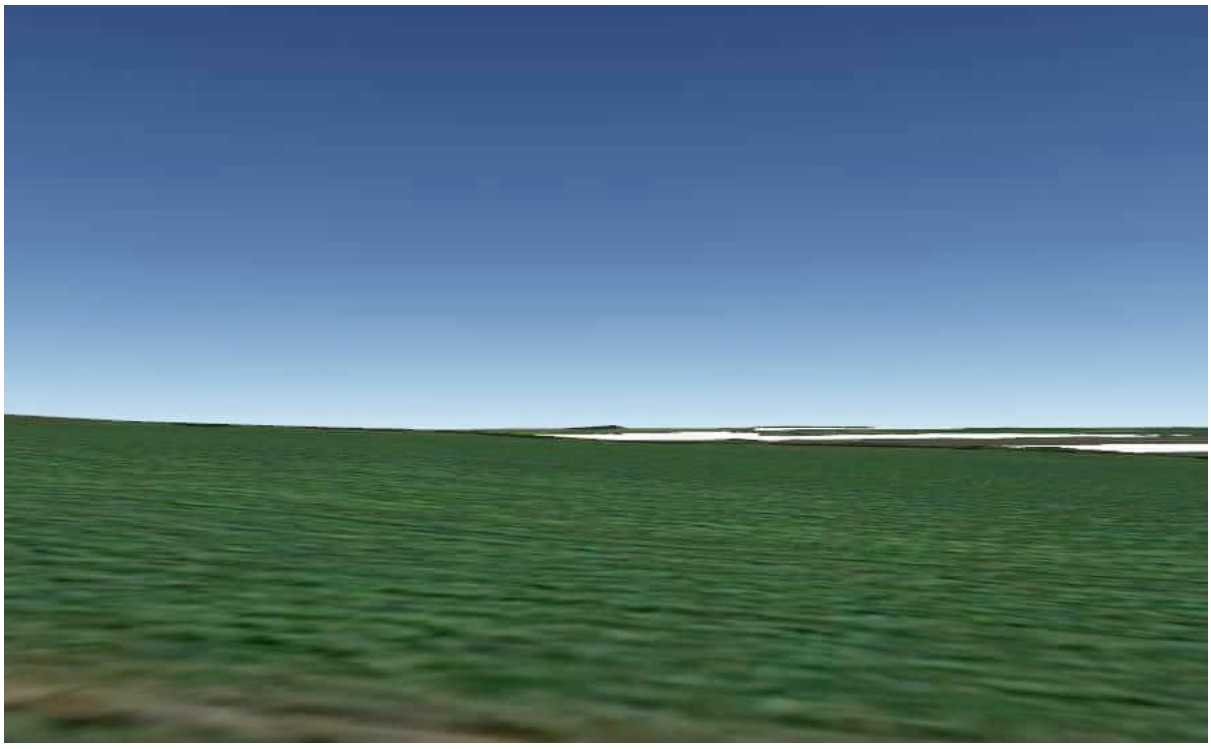


Looking West

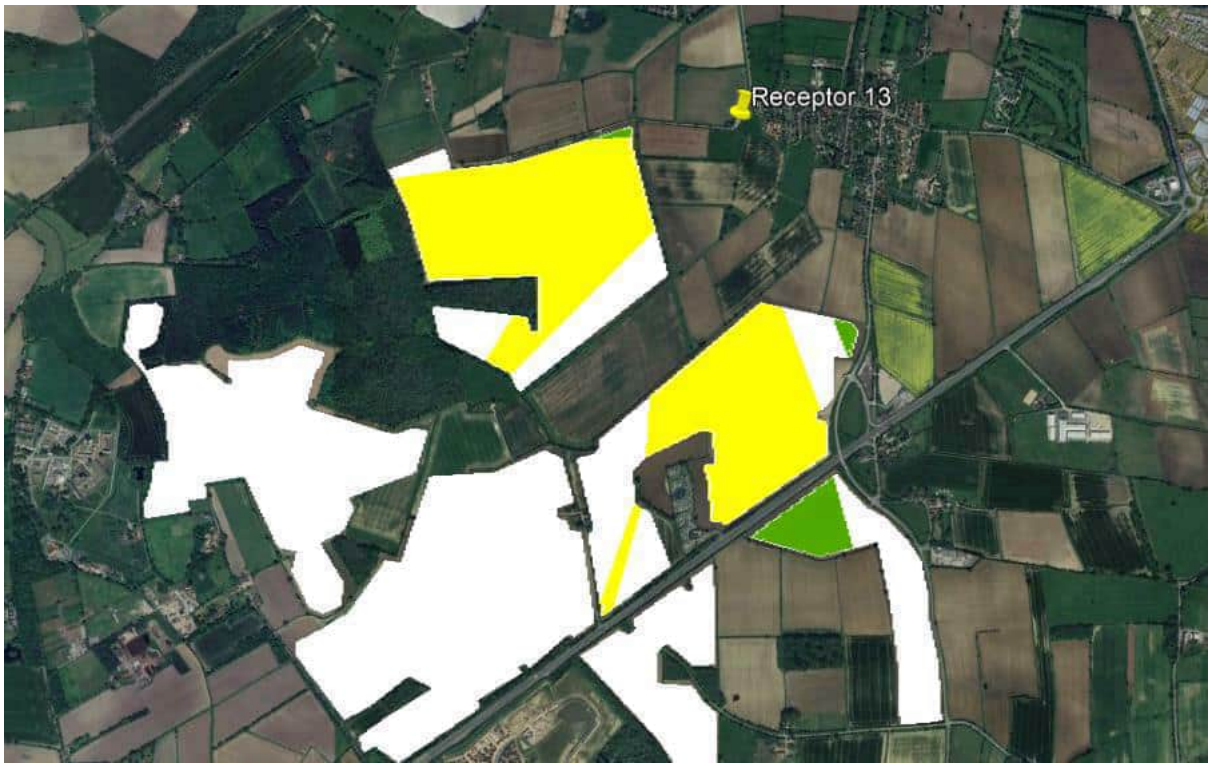
October 15th 16:30

November 30th 15:30 UTC

Looking South



Receptor 13



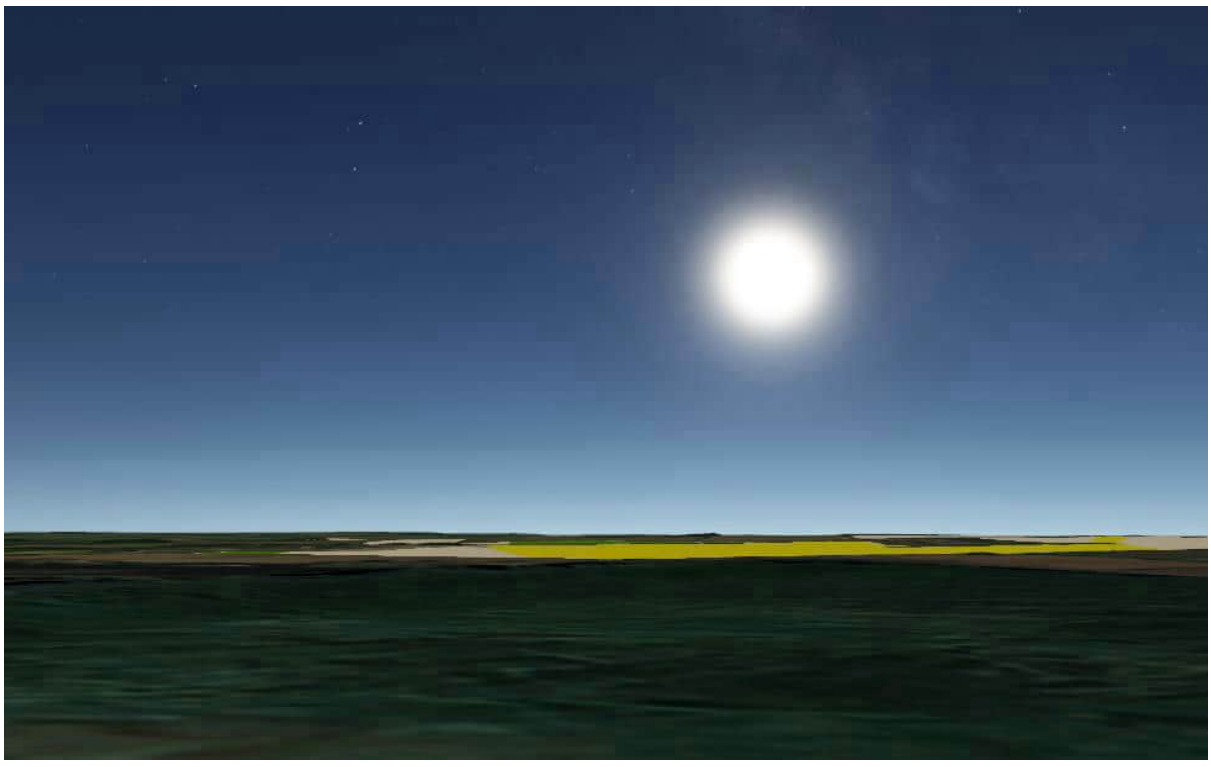
Looking West

January 1st 15:30 UTC

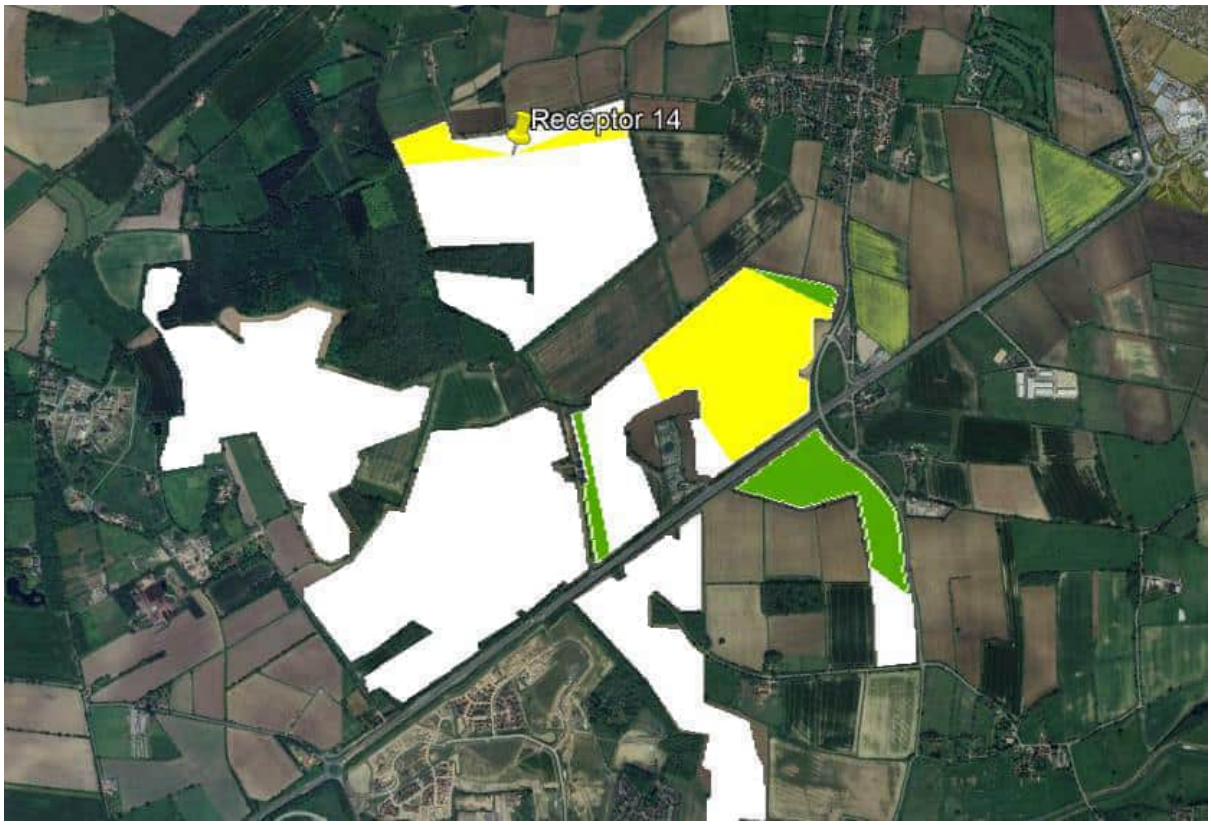
October 5th 17:00 UTC

Looking South

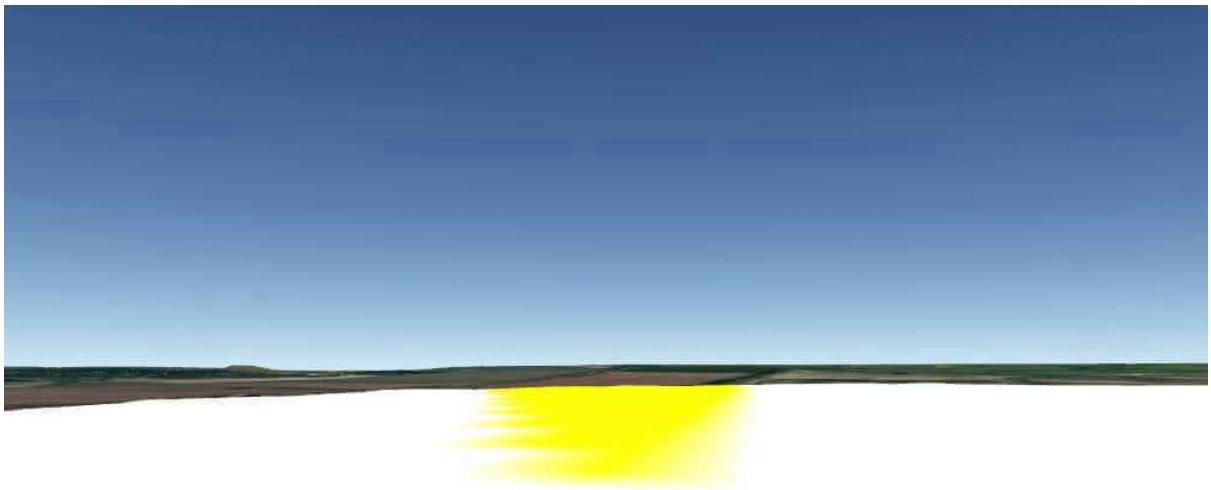
January 1st 12:00 UTC



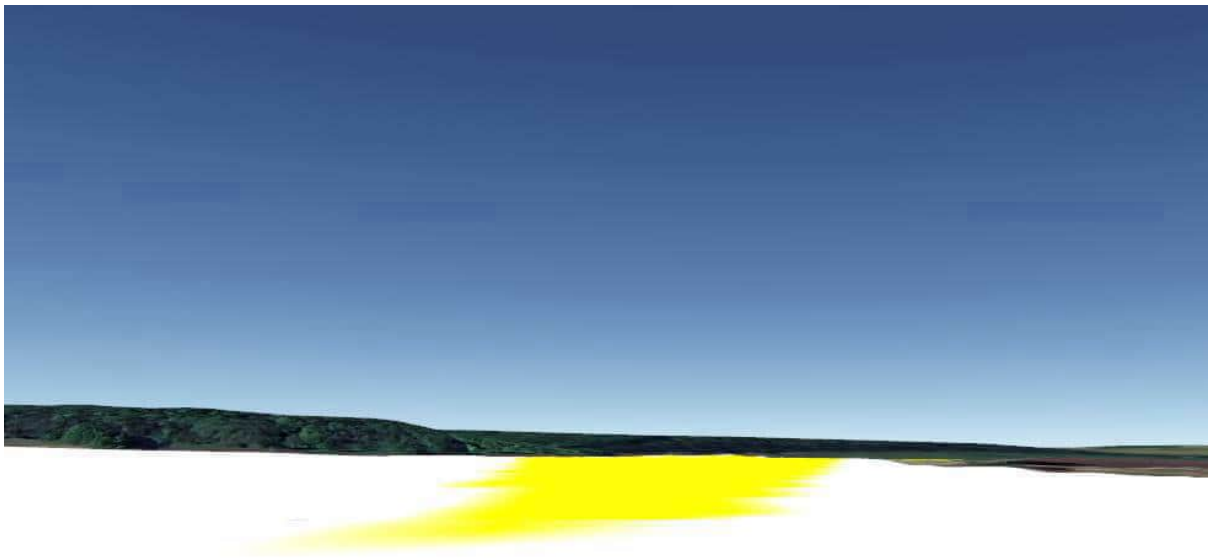
Receptor 14



Looking East



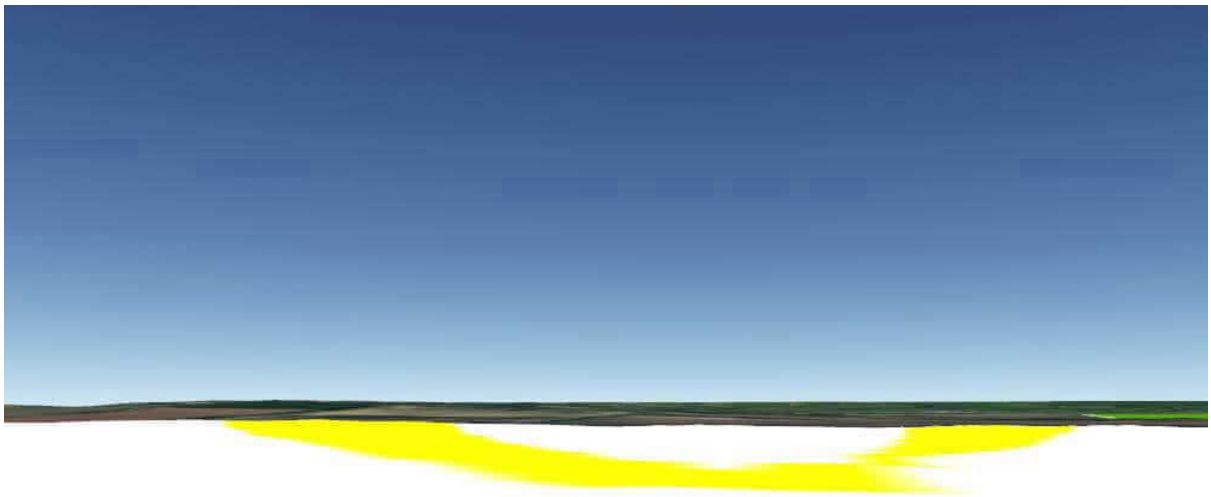
Looking west



Looking South

Receptor 15

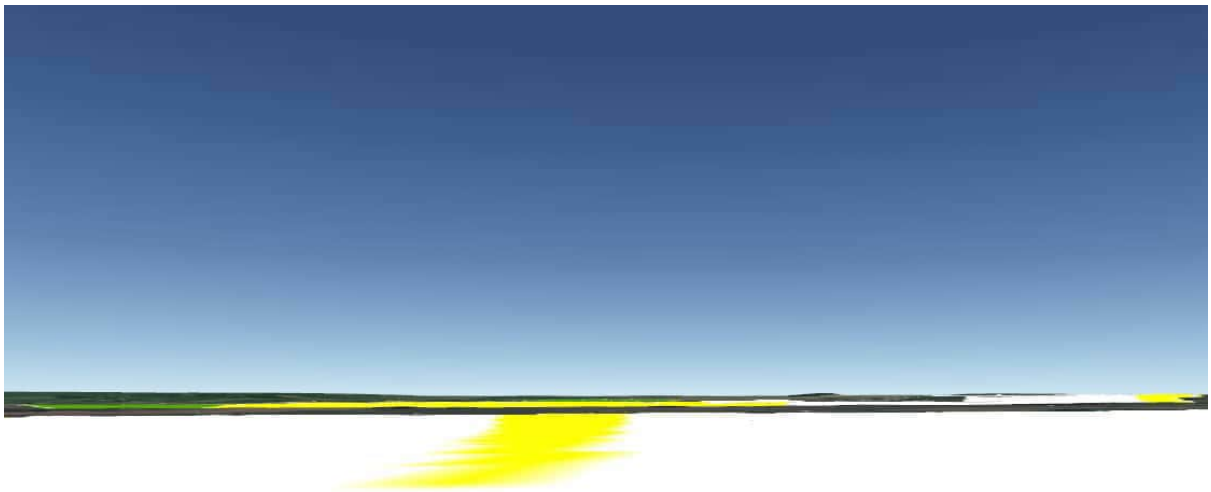
Looking East



Looking West

Looking SouthLooking South

Looking South



Receptor 16

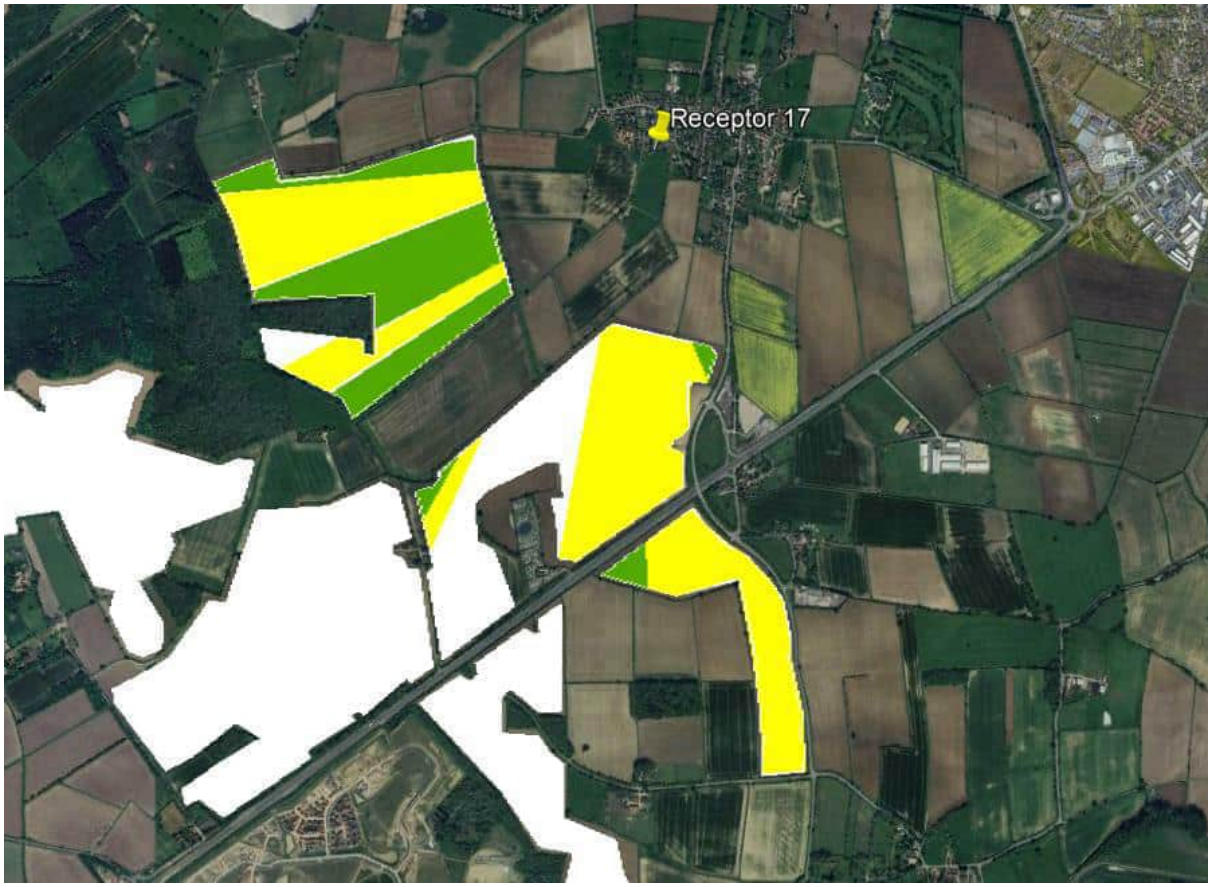
Looking East

Looking West

Looking South

Receptor 17

March 1st 17:30 UTC



Looking West

March 1st 17:30 UTC

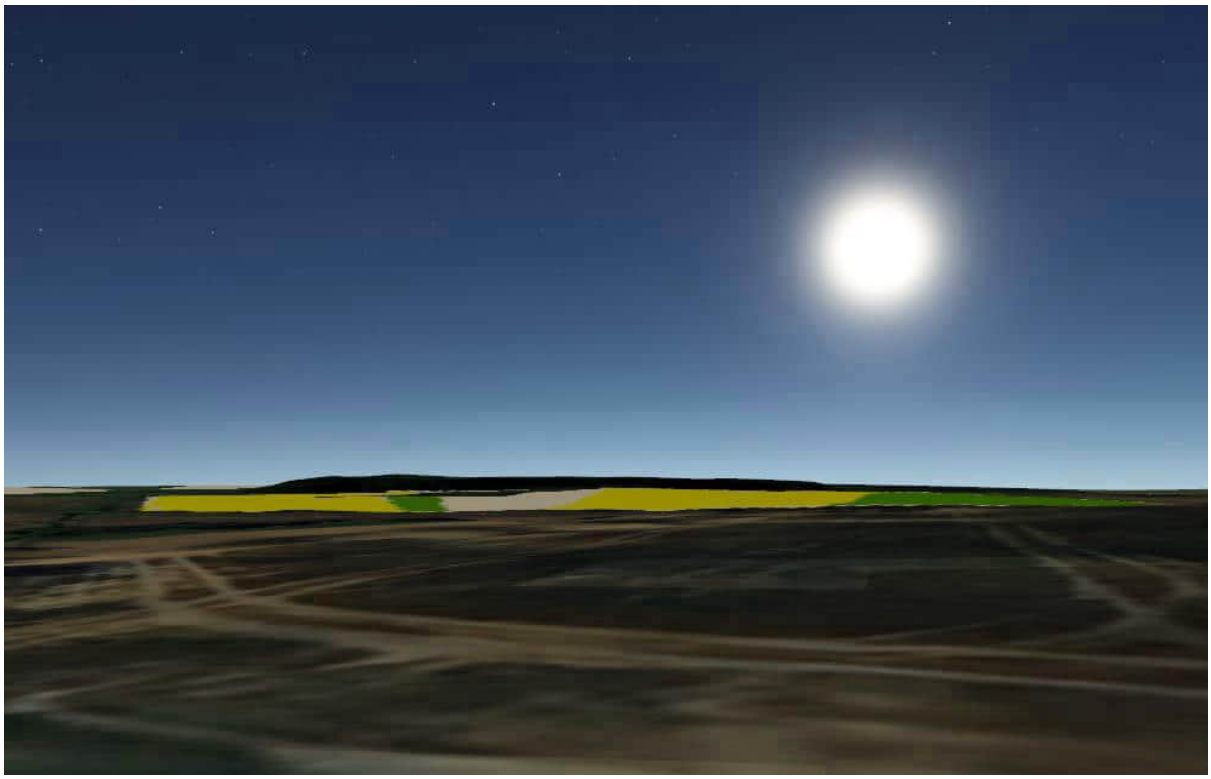
Looking South

Receptor 18

Looking West

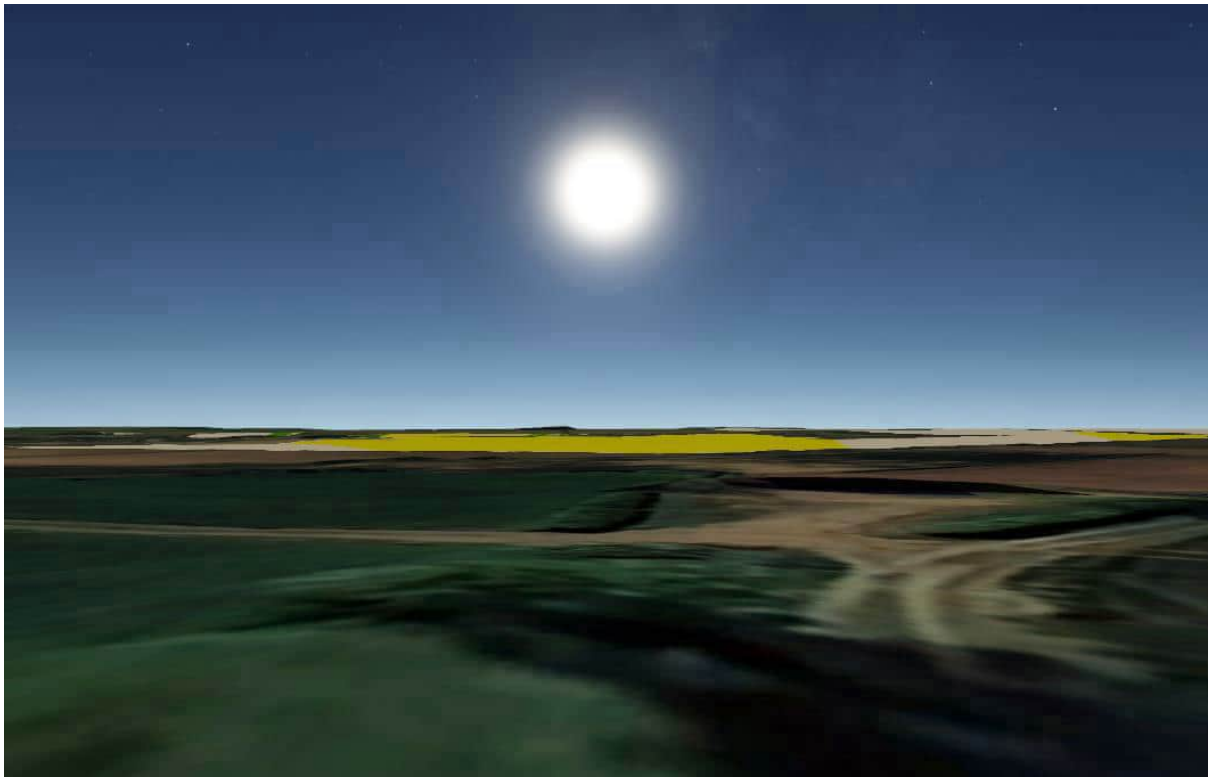
March 20th 17:45 UTC

April 15th 17:30 UTC

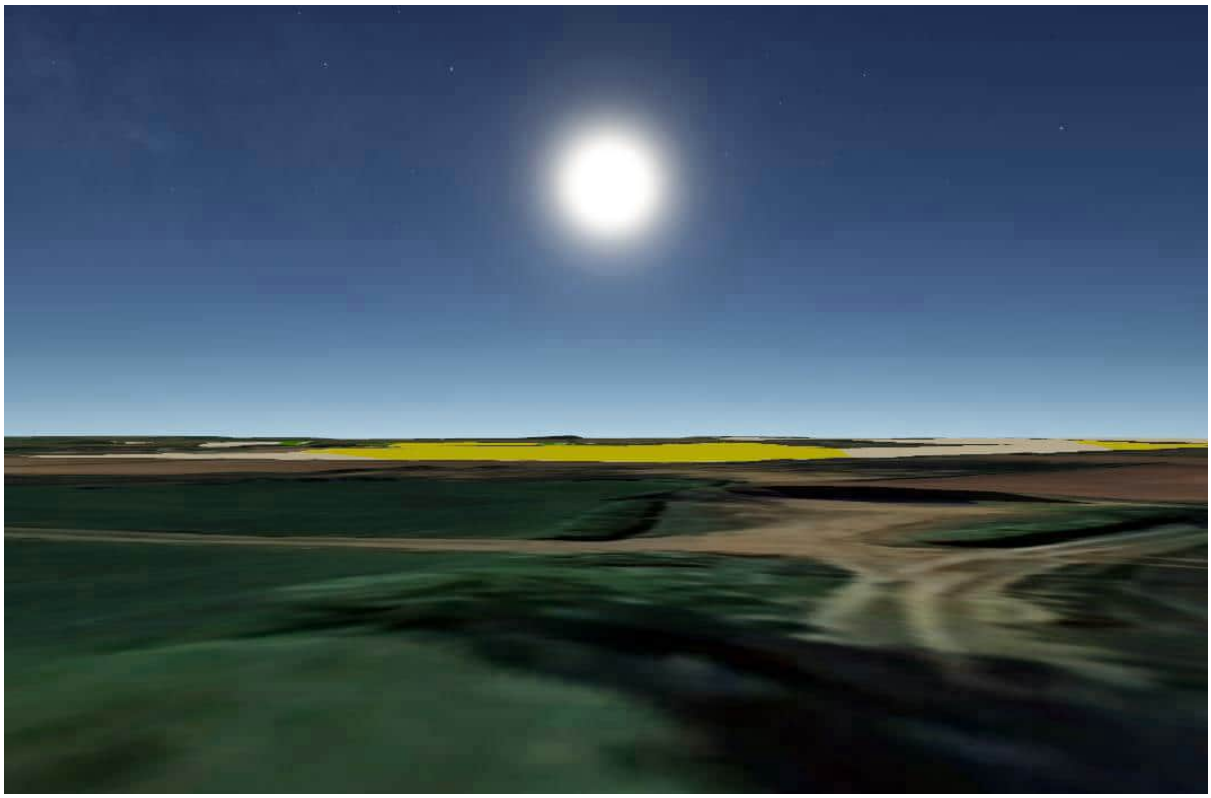


Looking South

January 1st 12:15 UTC



December 1st 12:00 UTC

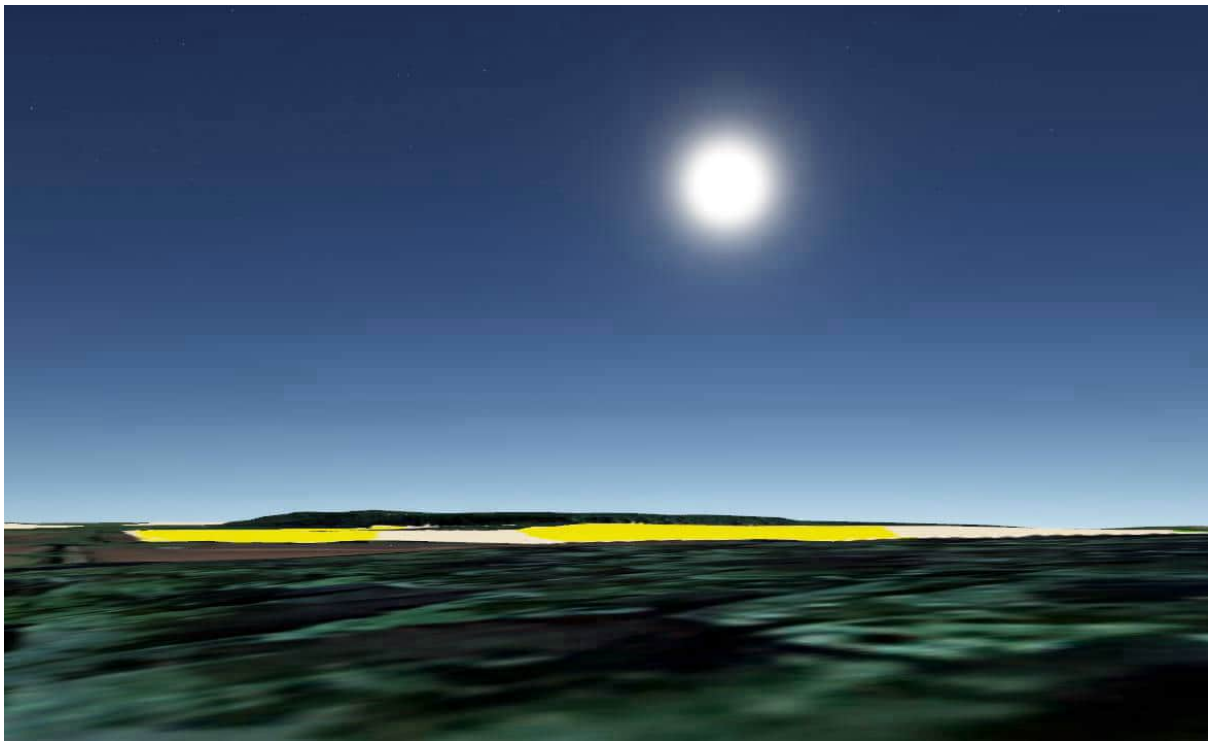


Receptor 19

Looking West

March 15th 17:45 UTC

May 5th 17:00 UTC

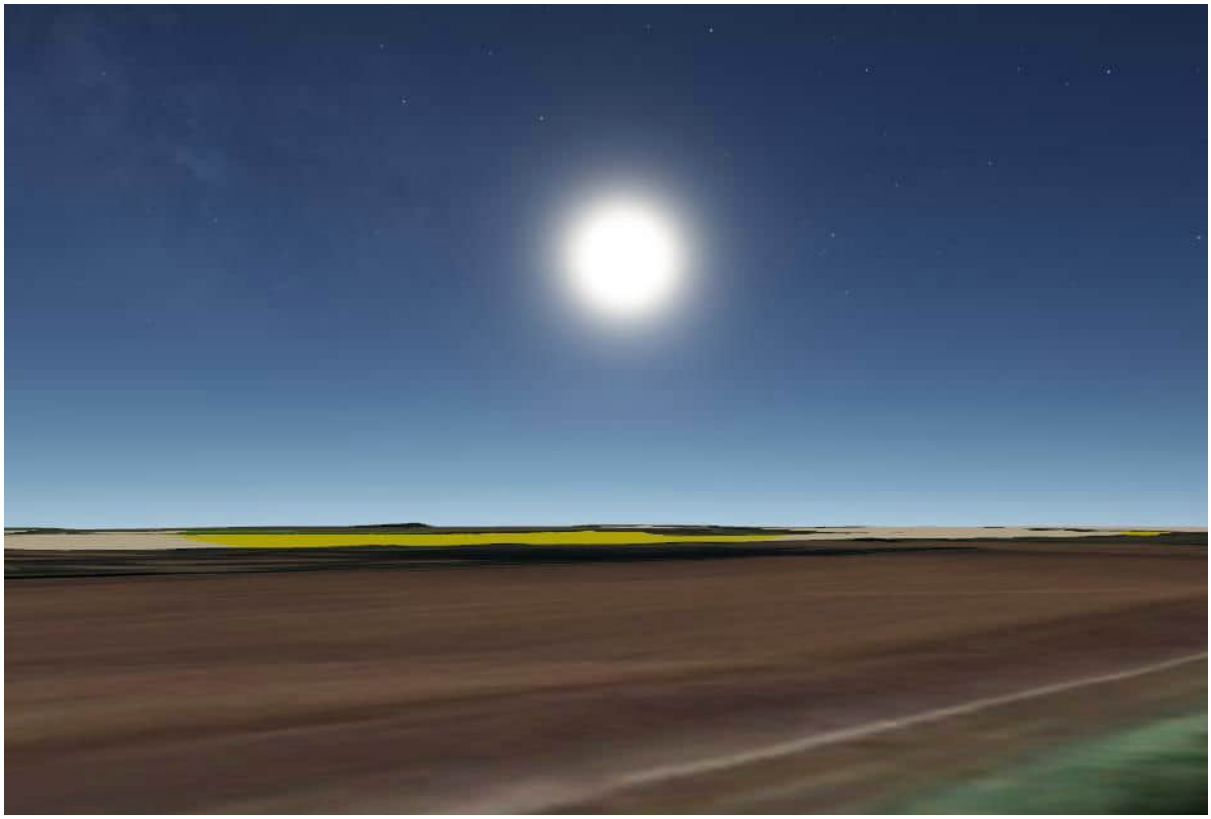


October 1st 17:15 UTC

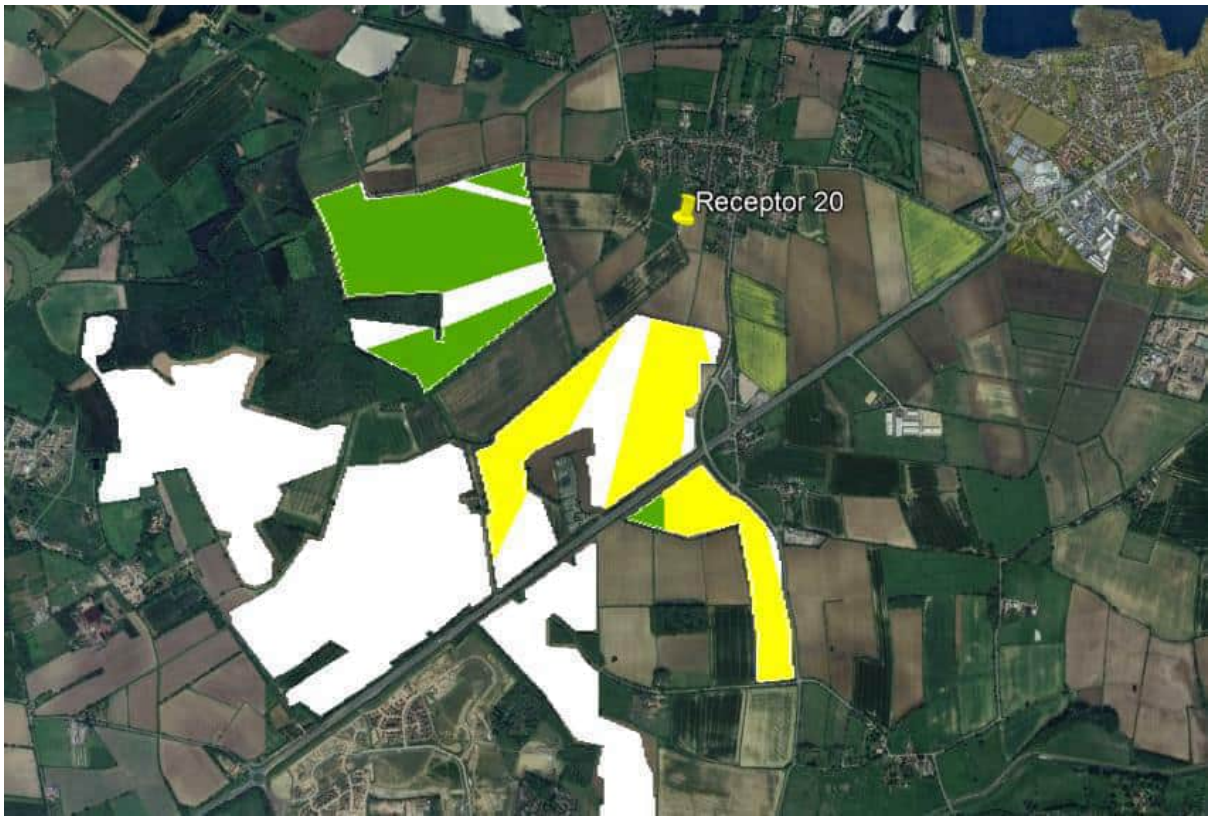
Looking South

January 1st 09:15 UTC

December 5th 12:15 UTC



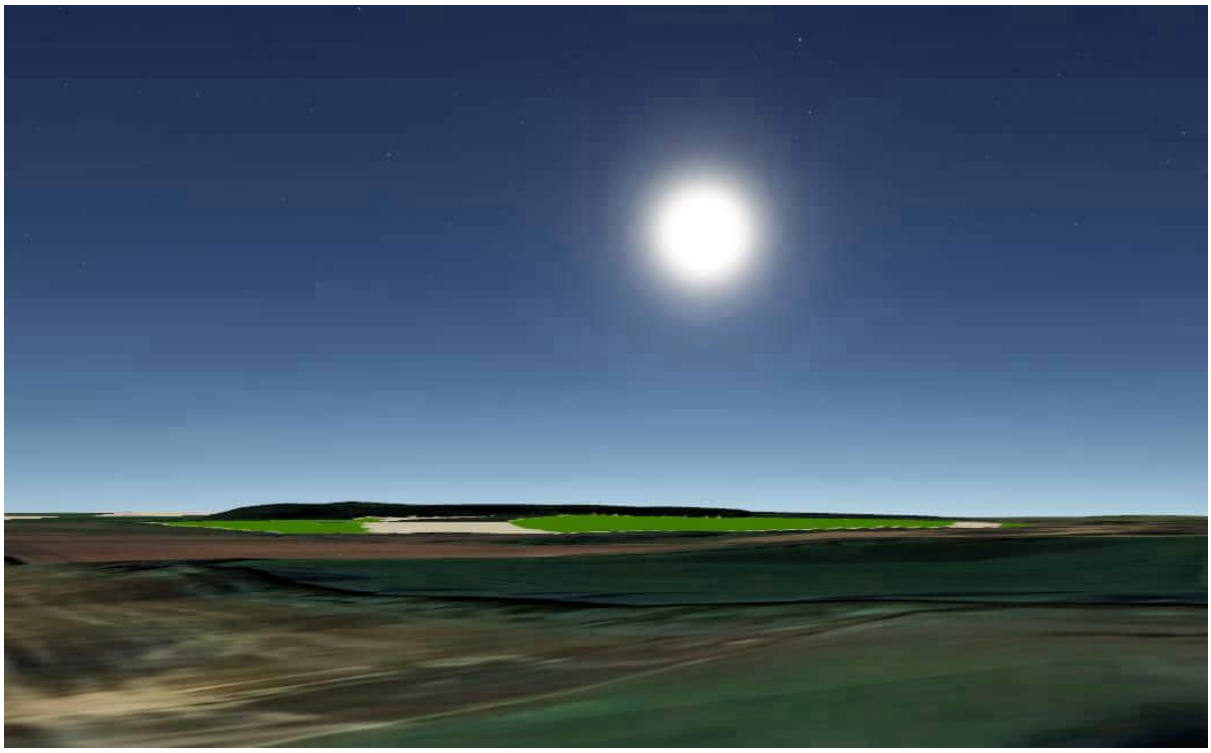
Receptor 20



Looking West

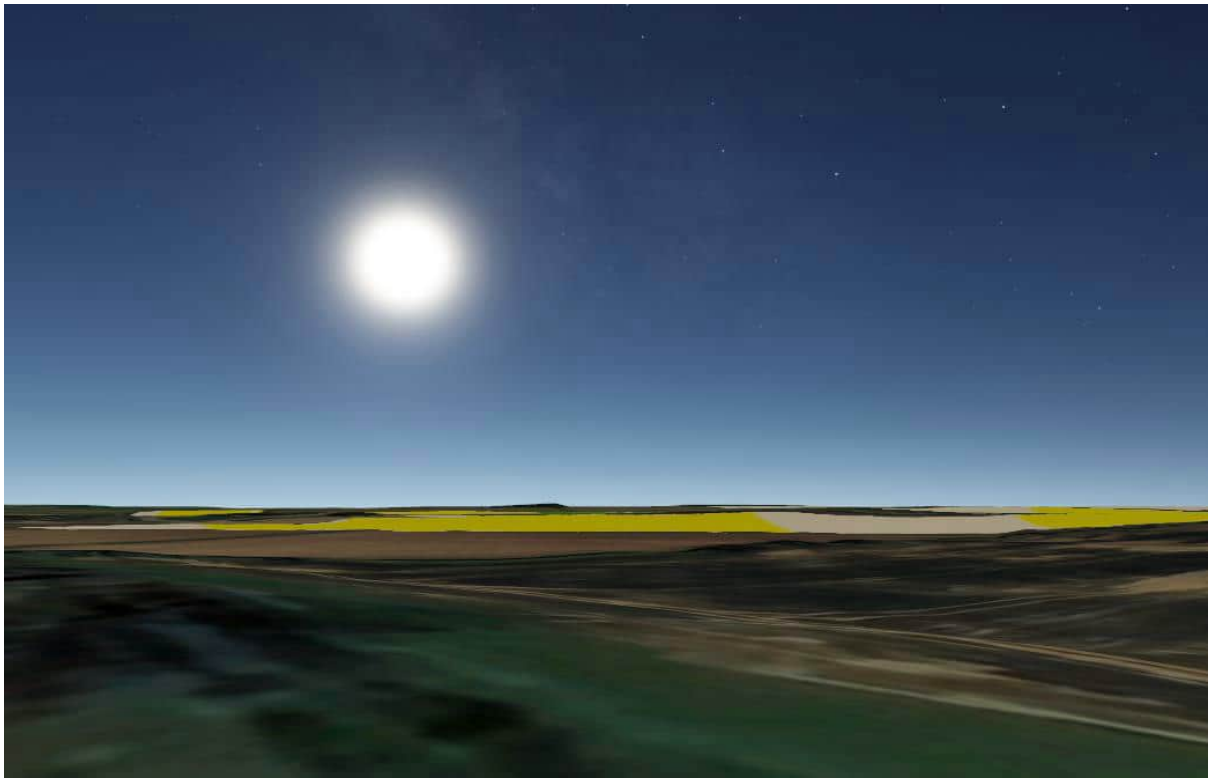
March 20th 17:45 UTC

April 20th 17:15 UTC



Looking South

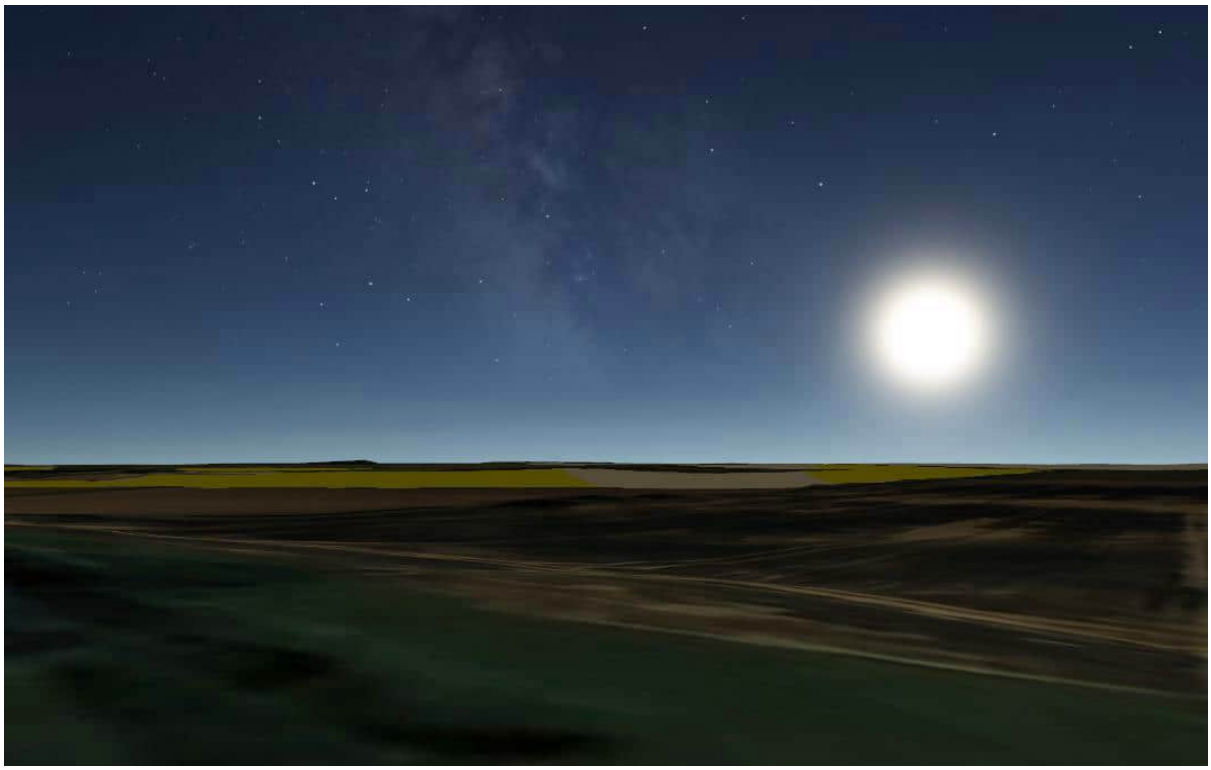
January 1st 11:45 UTC



December 1st 13:00 UTC

January 1st 14:45 UTC

December 1st 14:30 UTC

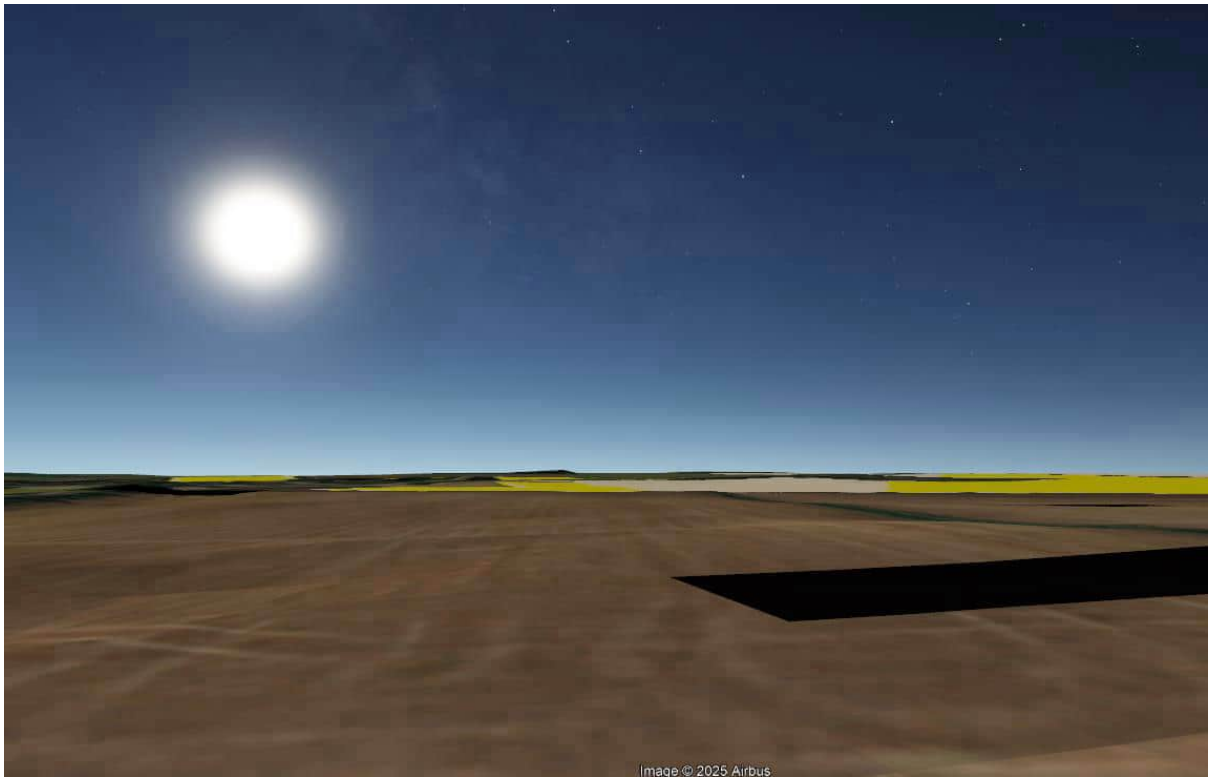


Receptor 21

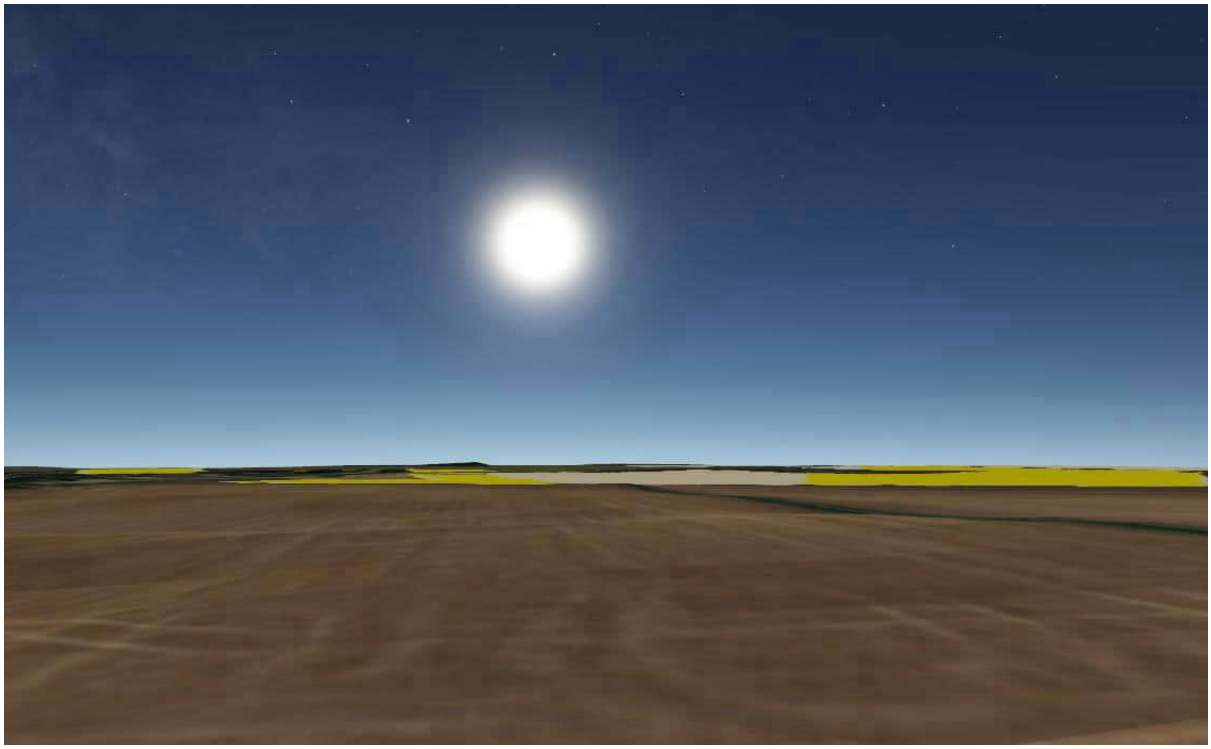
Looking West

Looking South

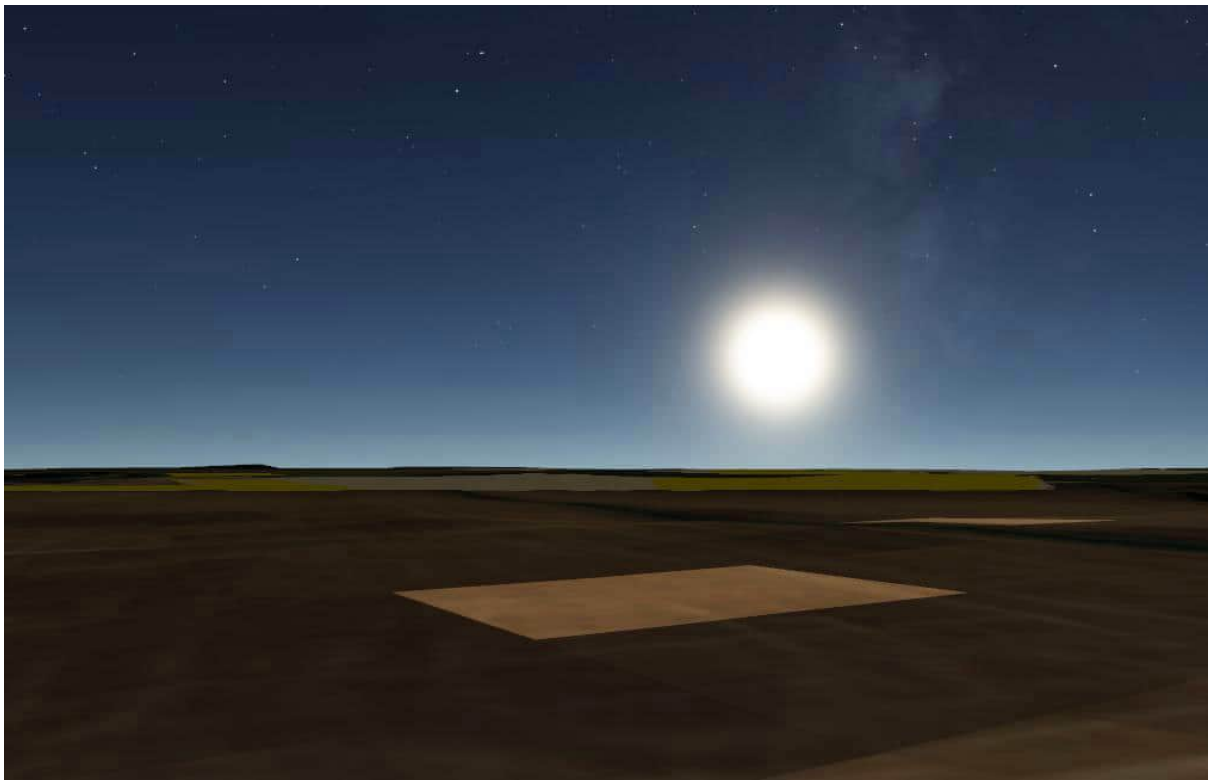
January 5th 11:30 UTC



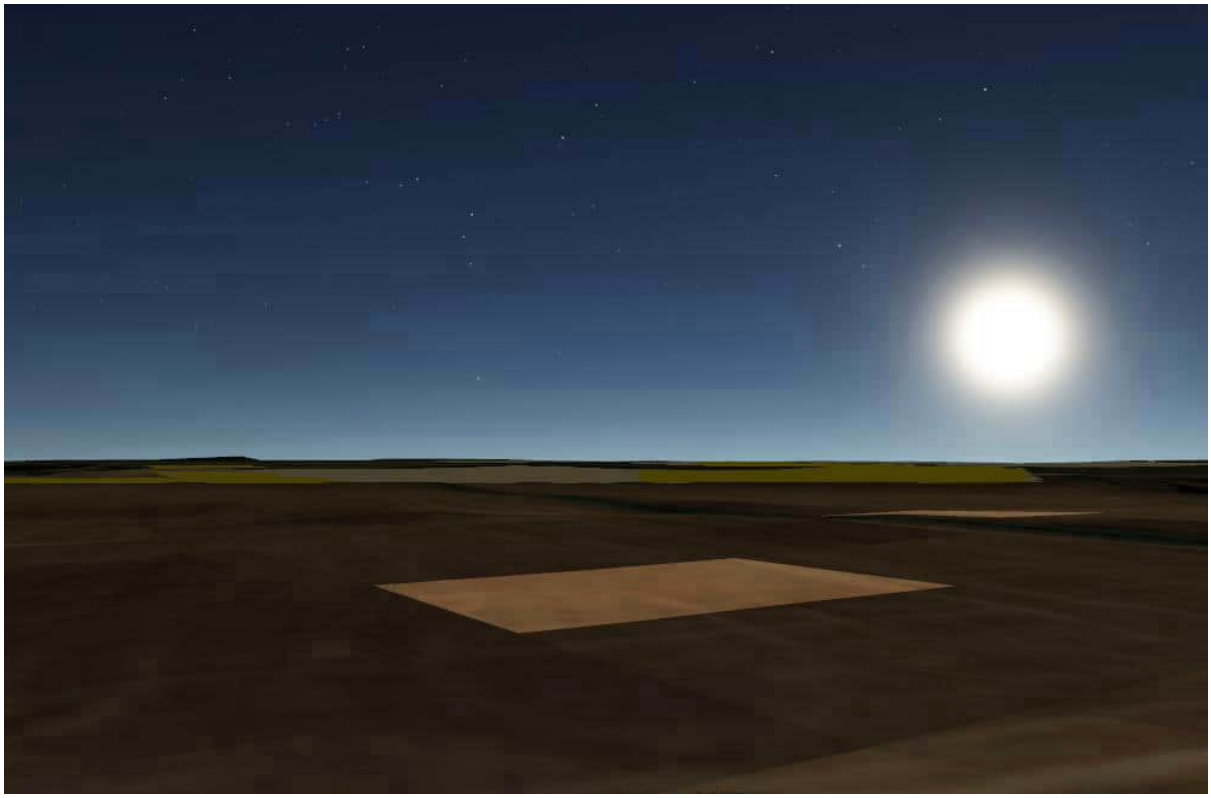
December 1st 12:45 UTC



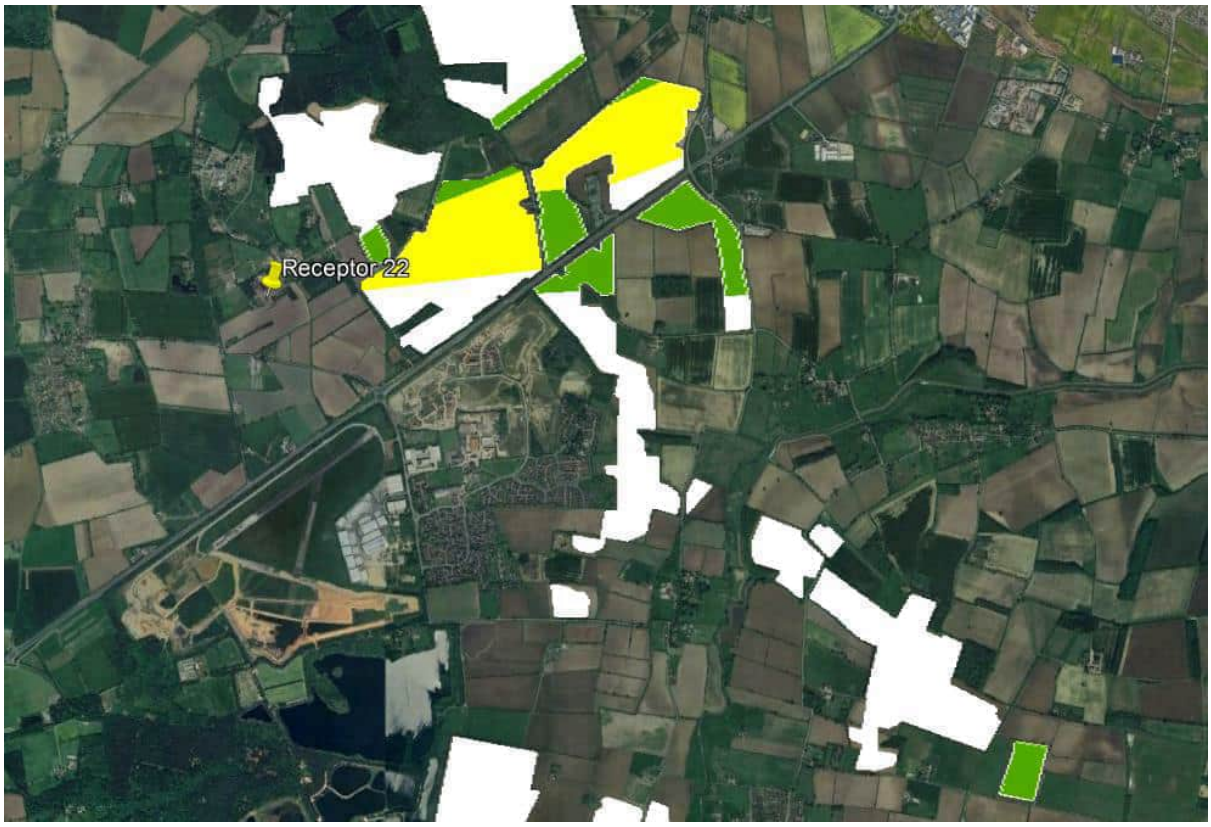
January 1st 14:45 UTC



February 1st 15:45

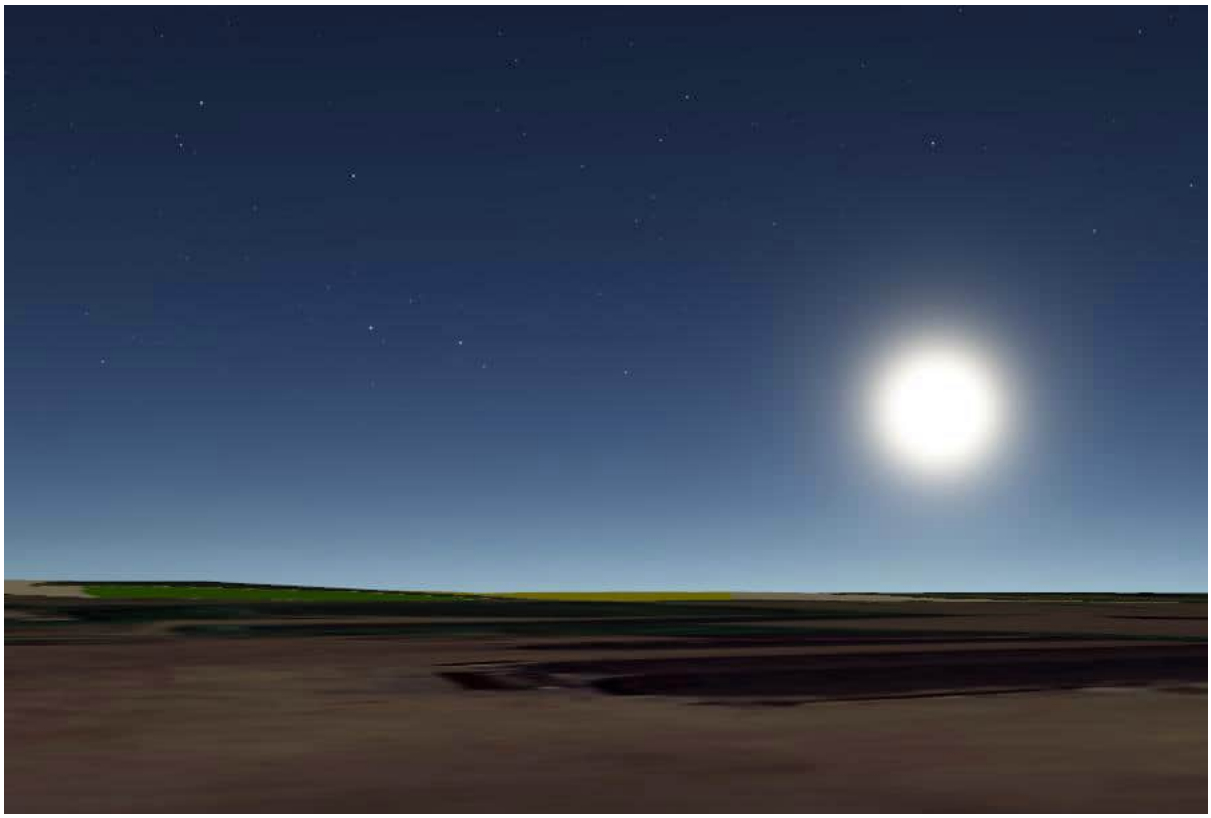


Receptor 22

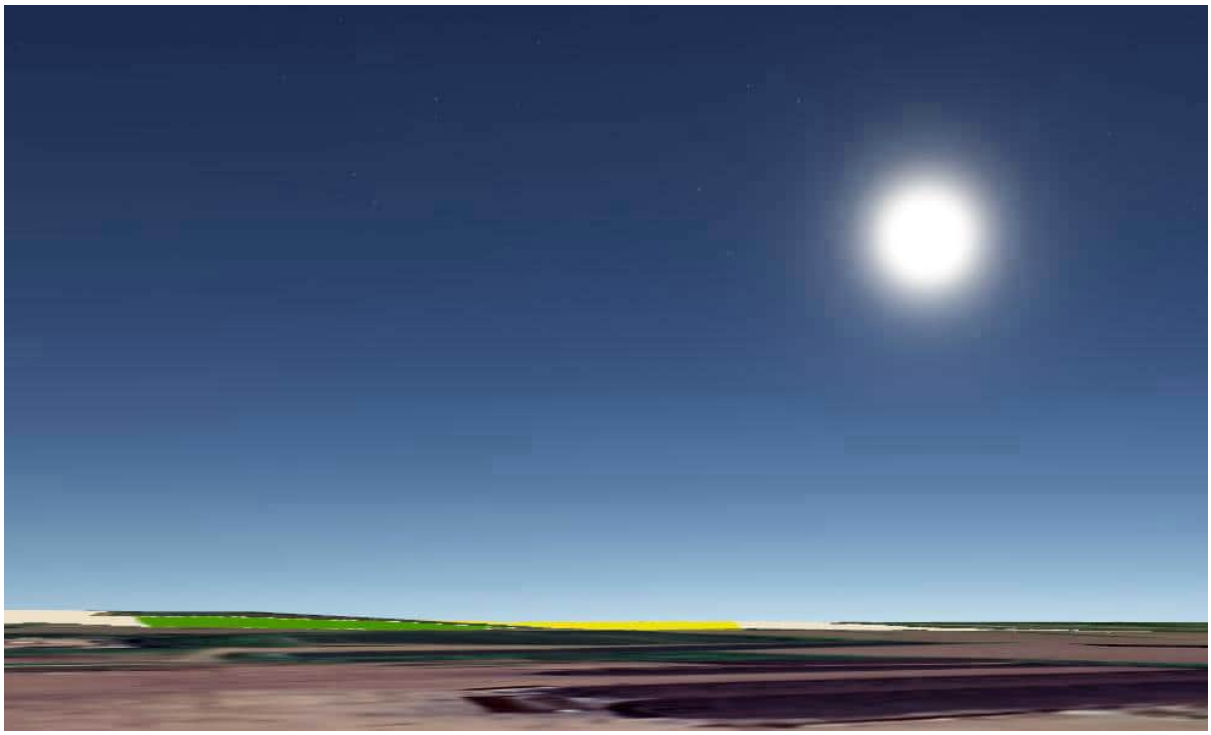


Looking East

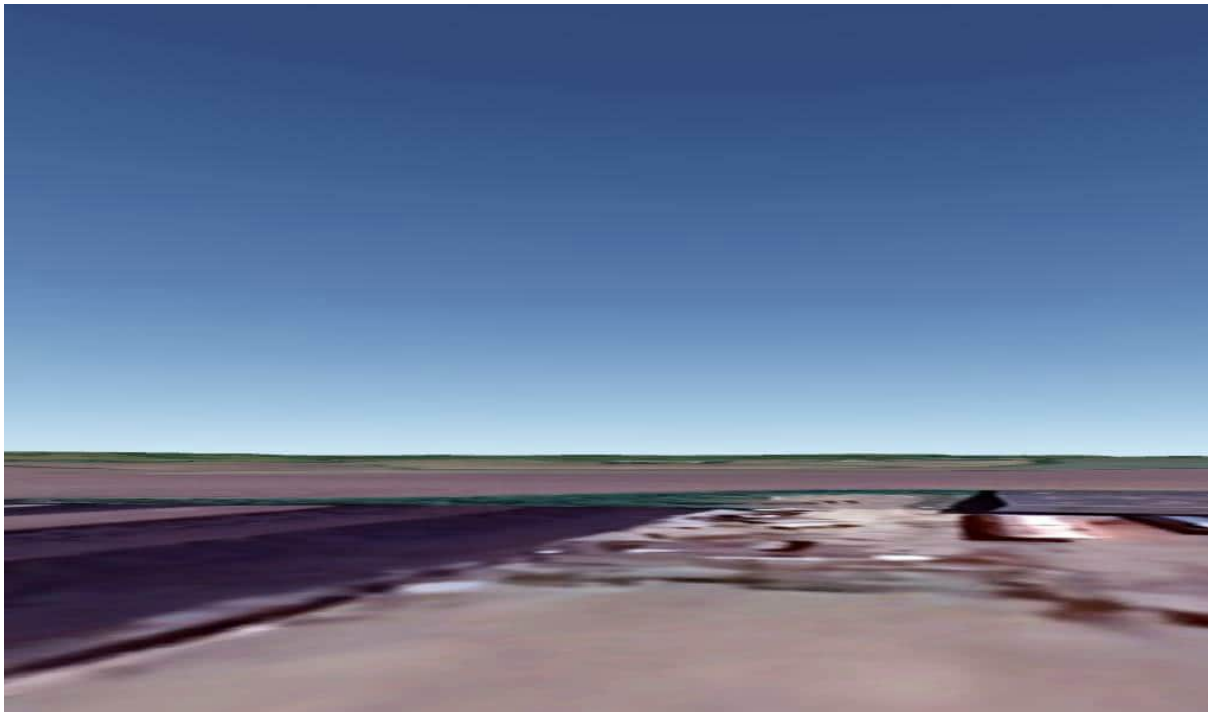
April 1st 06:45 UTC



August 15th 07:15 UTC



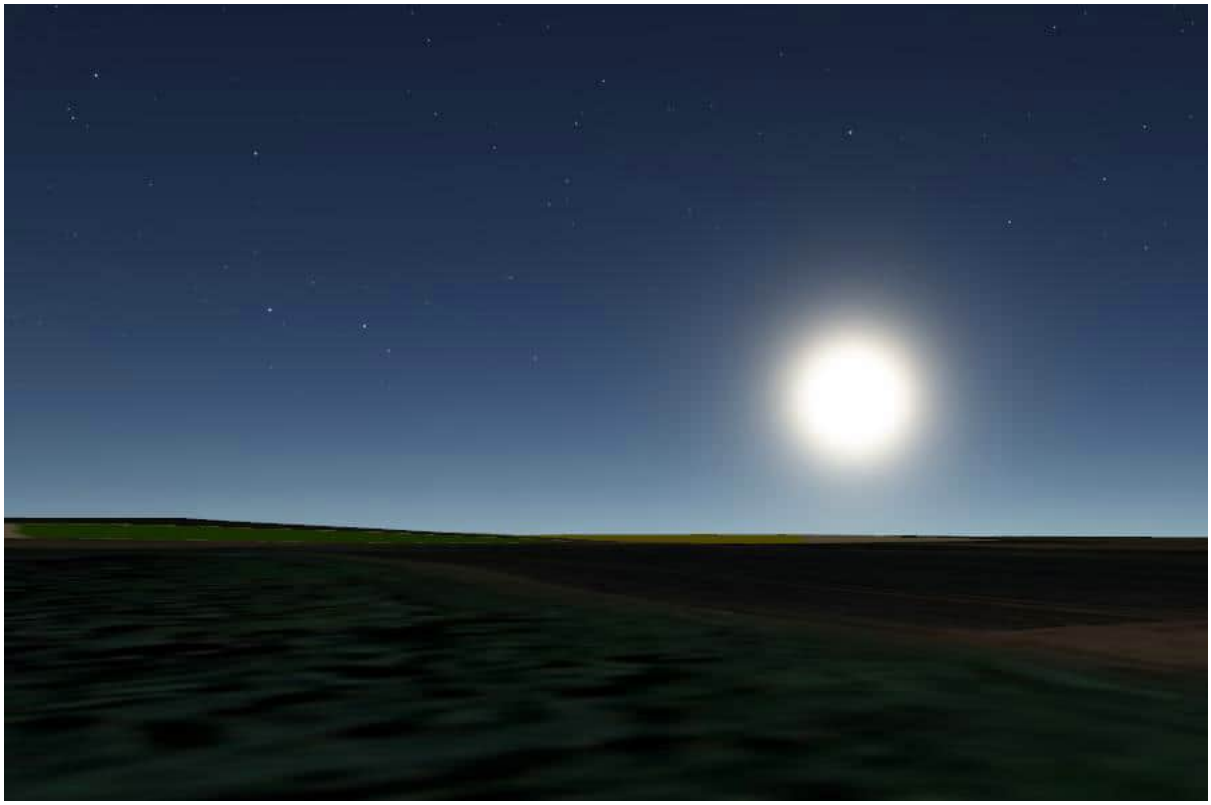
Looking South



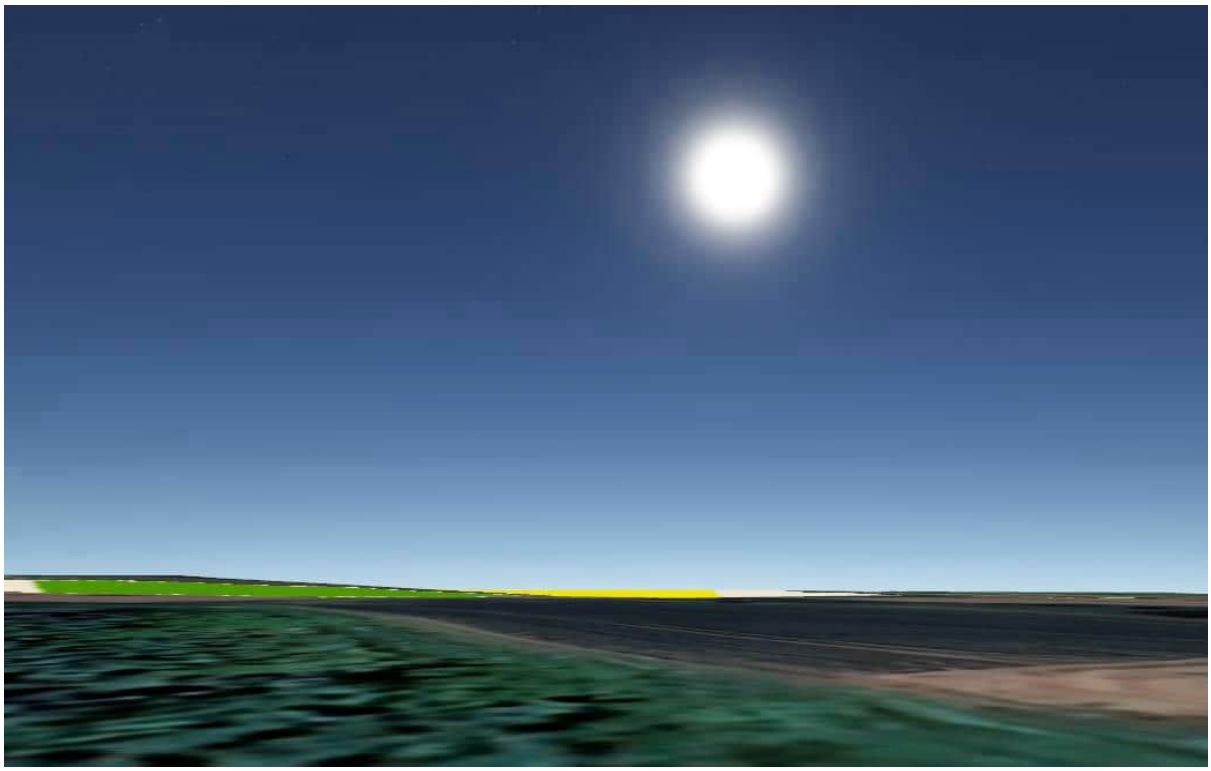
Receptor 23

Looking East

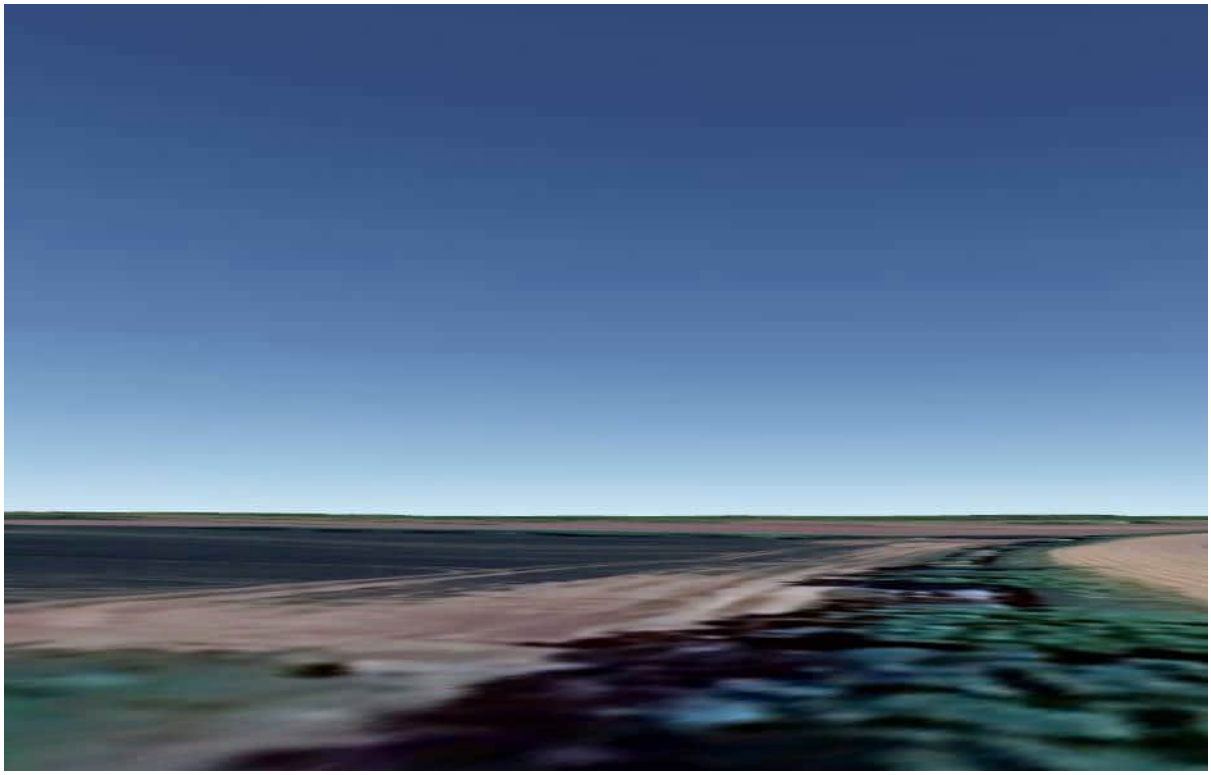
April 1st 06:30 UTC



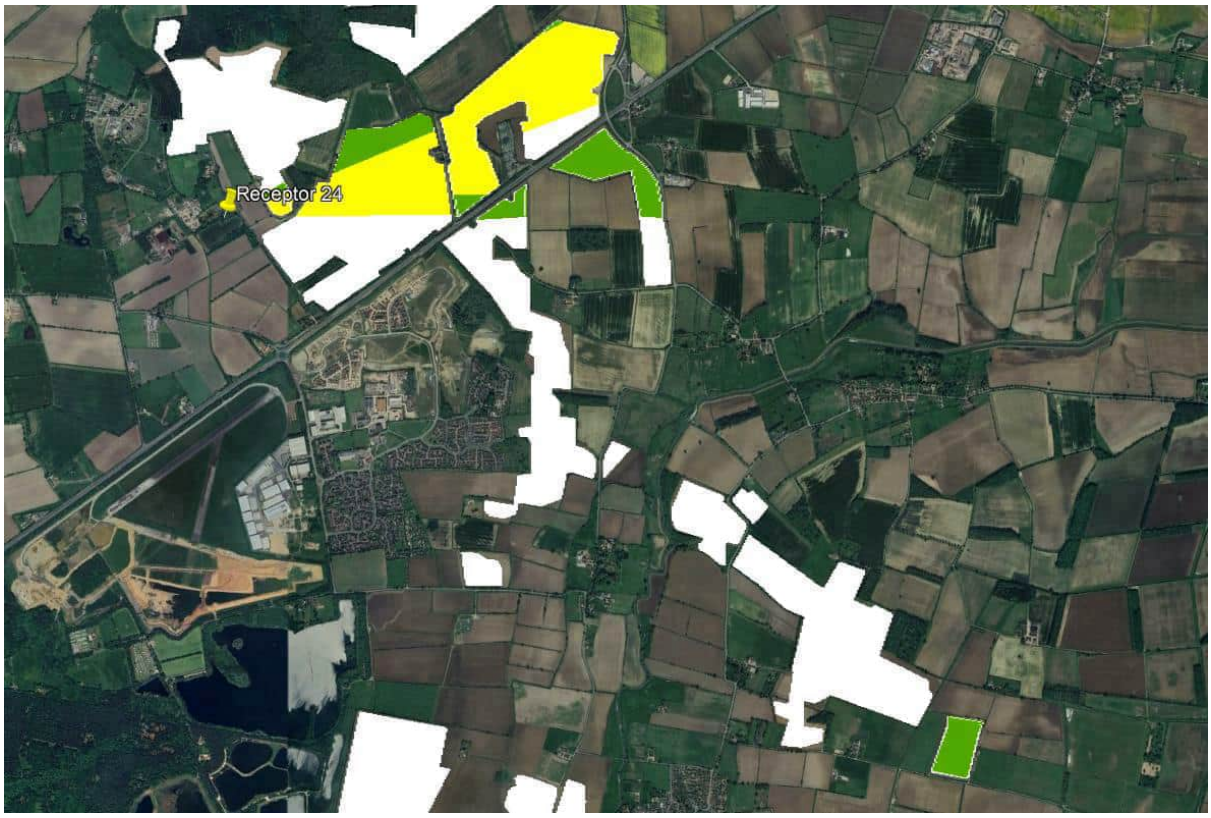
May 15th 07:00 UTC



Looking South

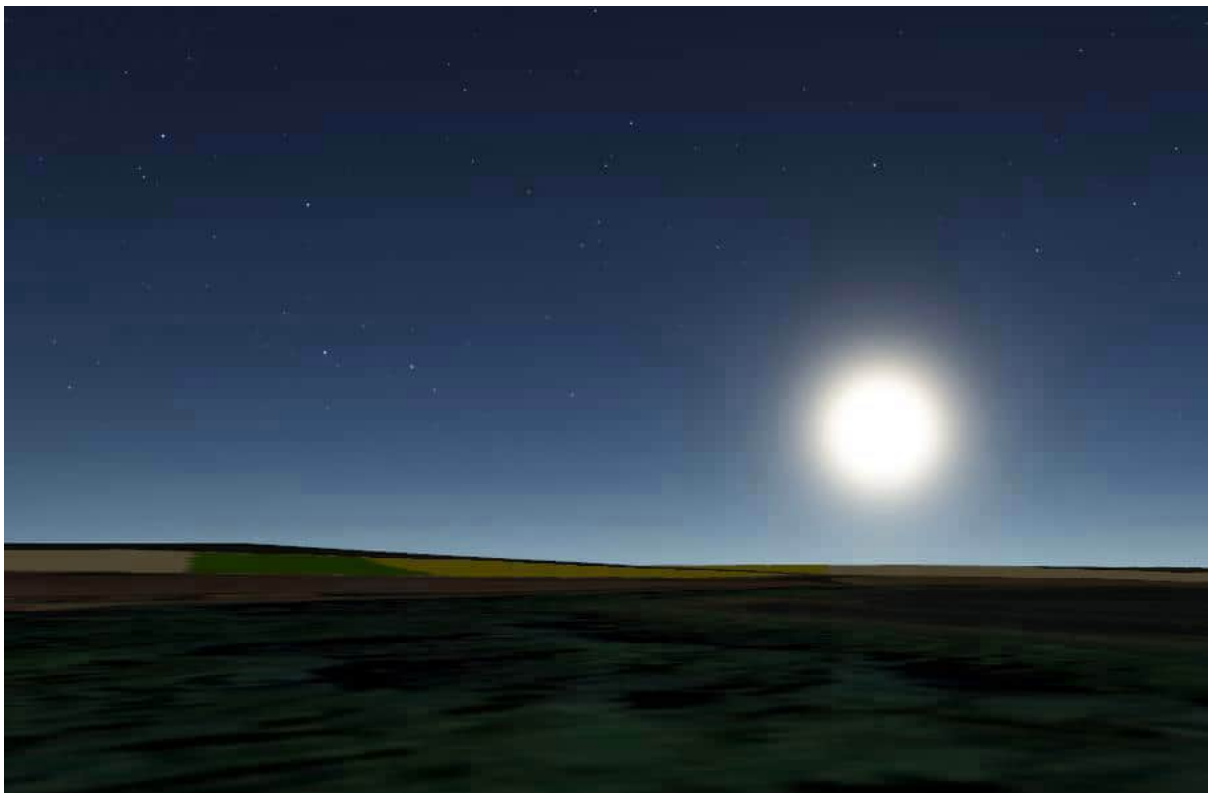


Receptor 24

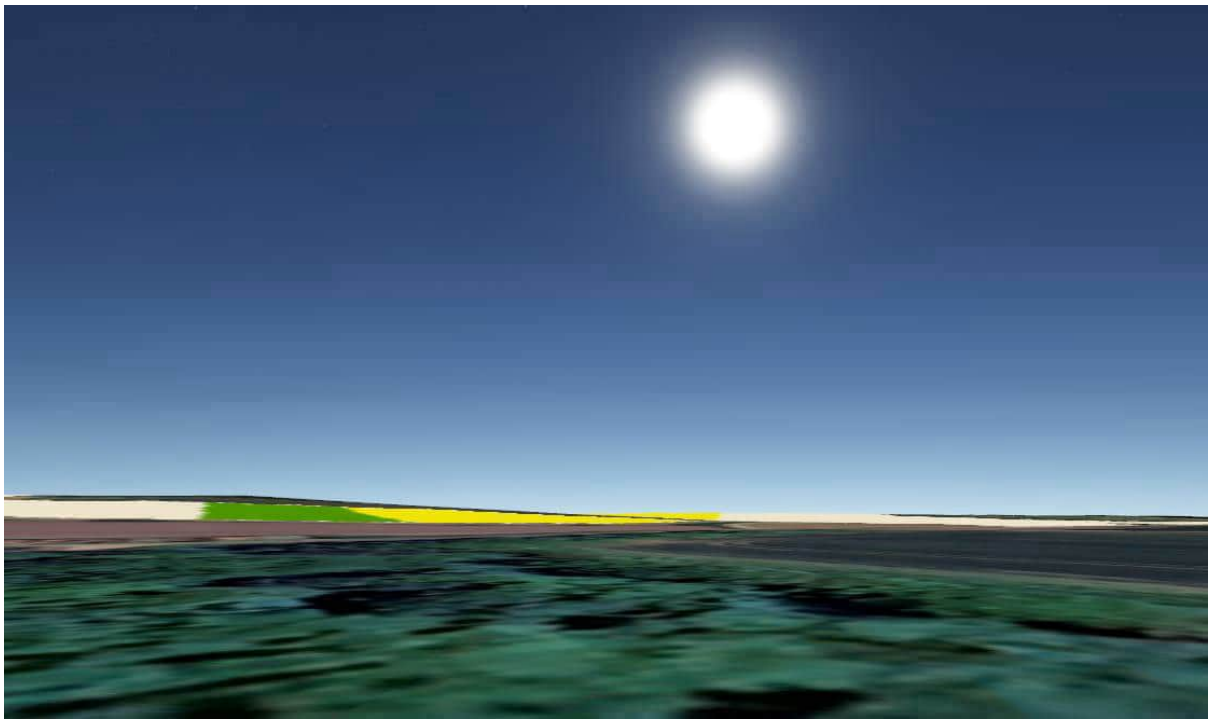


Looking East

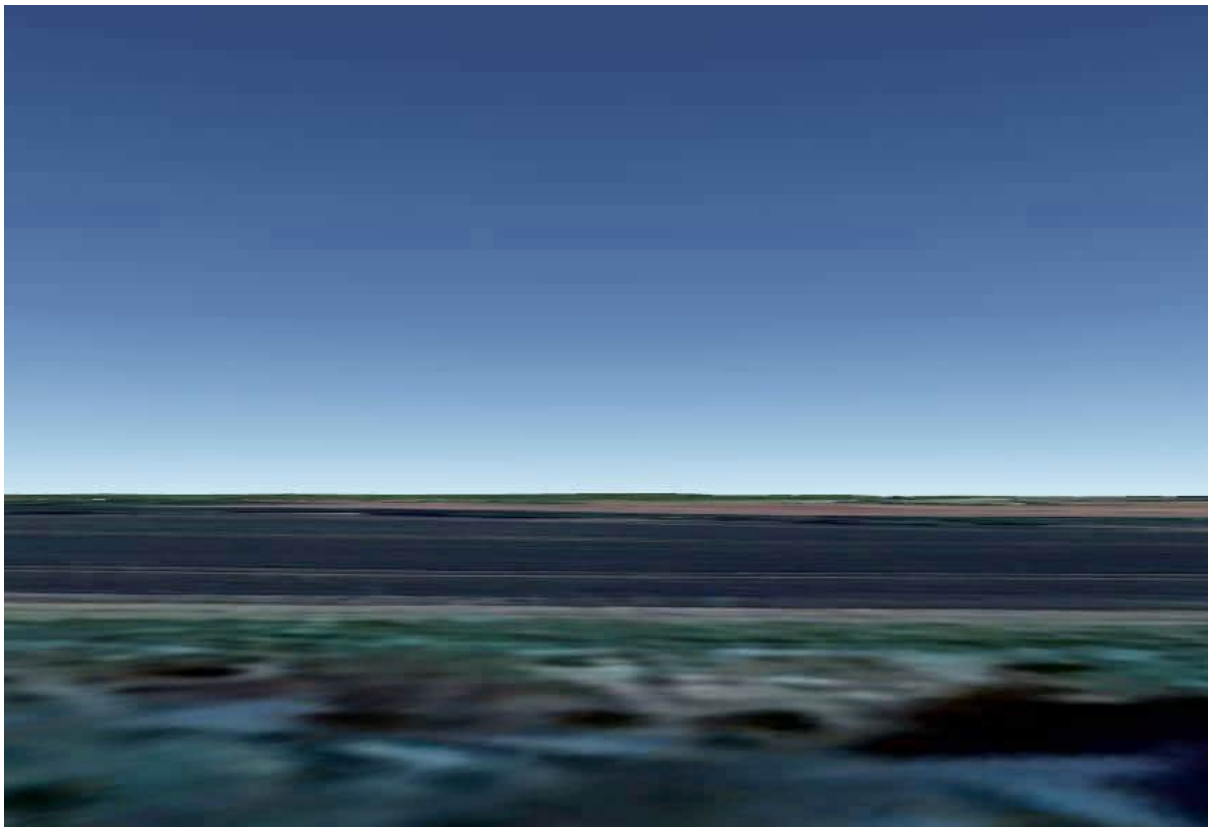
April 1st 06:30 UTC



May 15th 07:00 UTC



Looking South



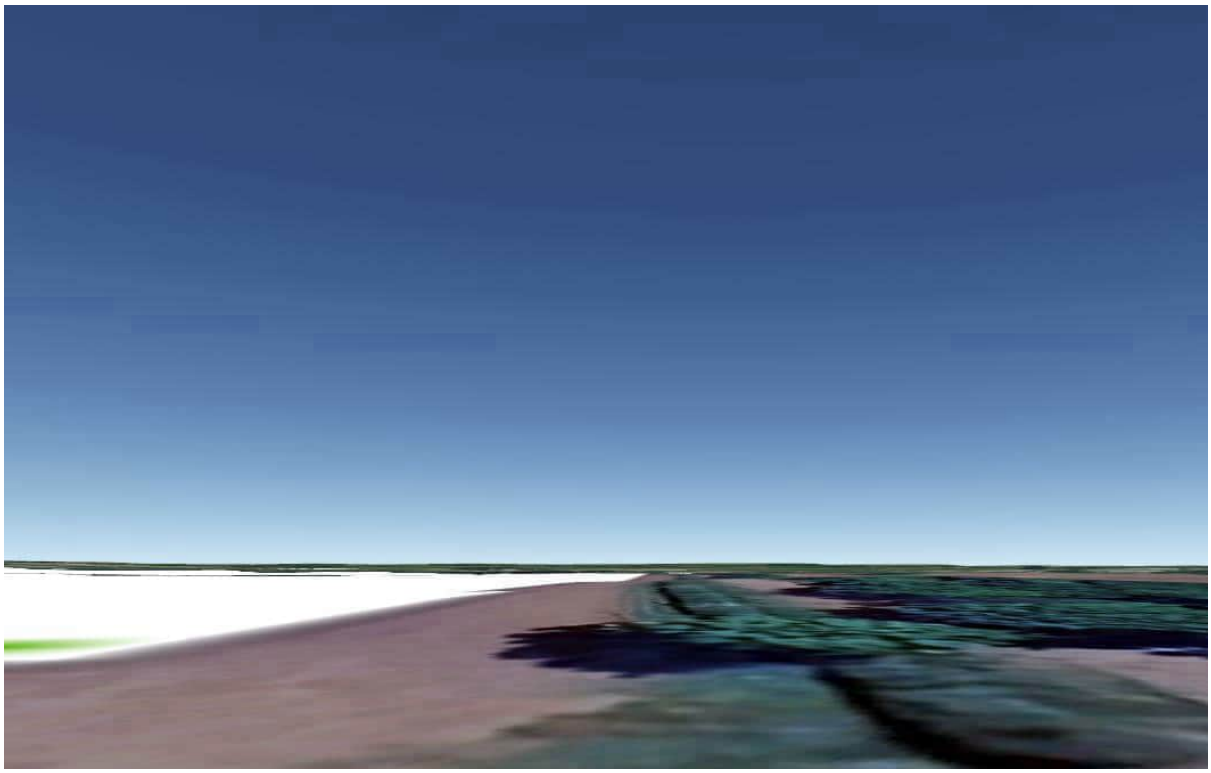
Receptor 25

Looking East

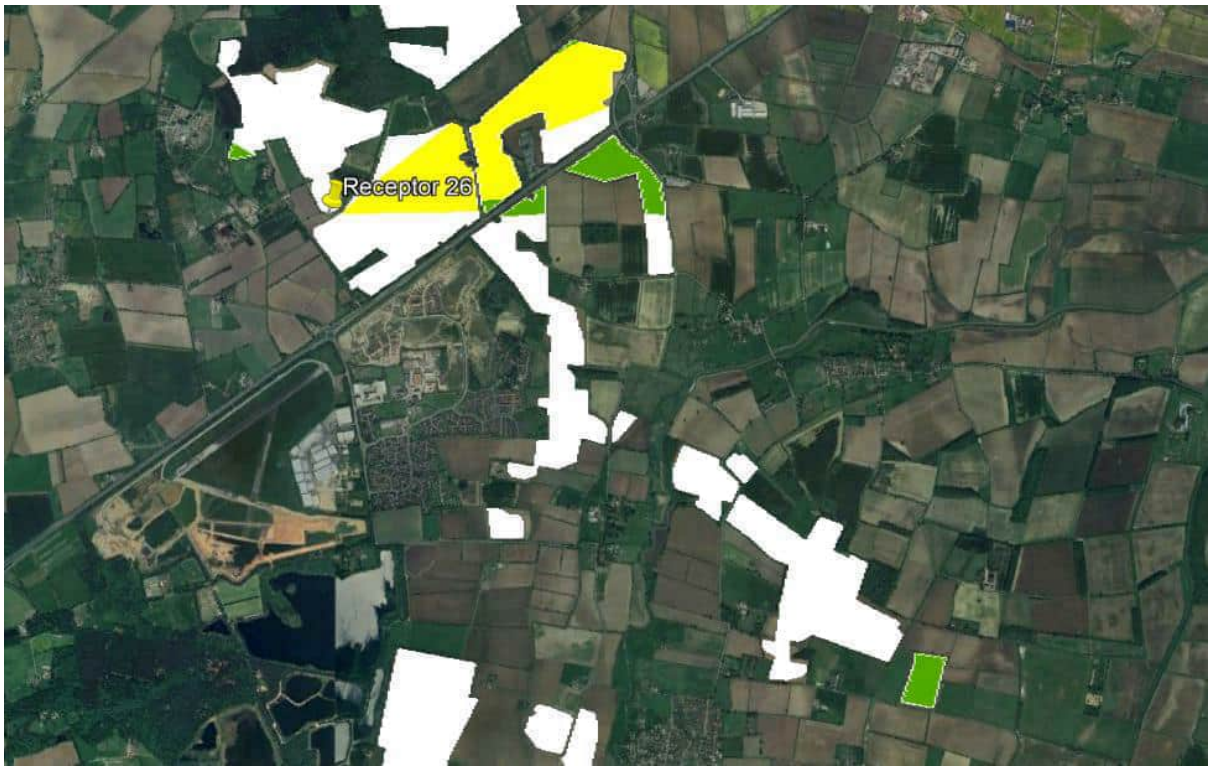
May 15th 05:00 UTC

July 1st 05:00 UTC

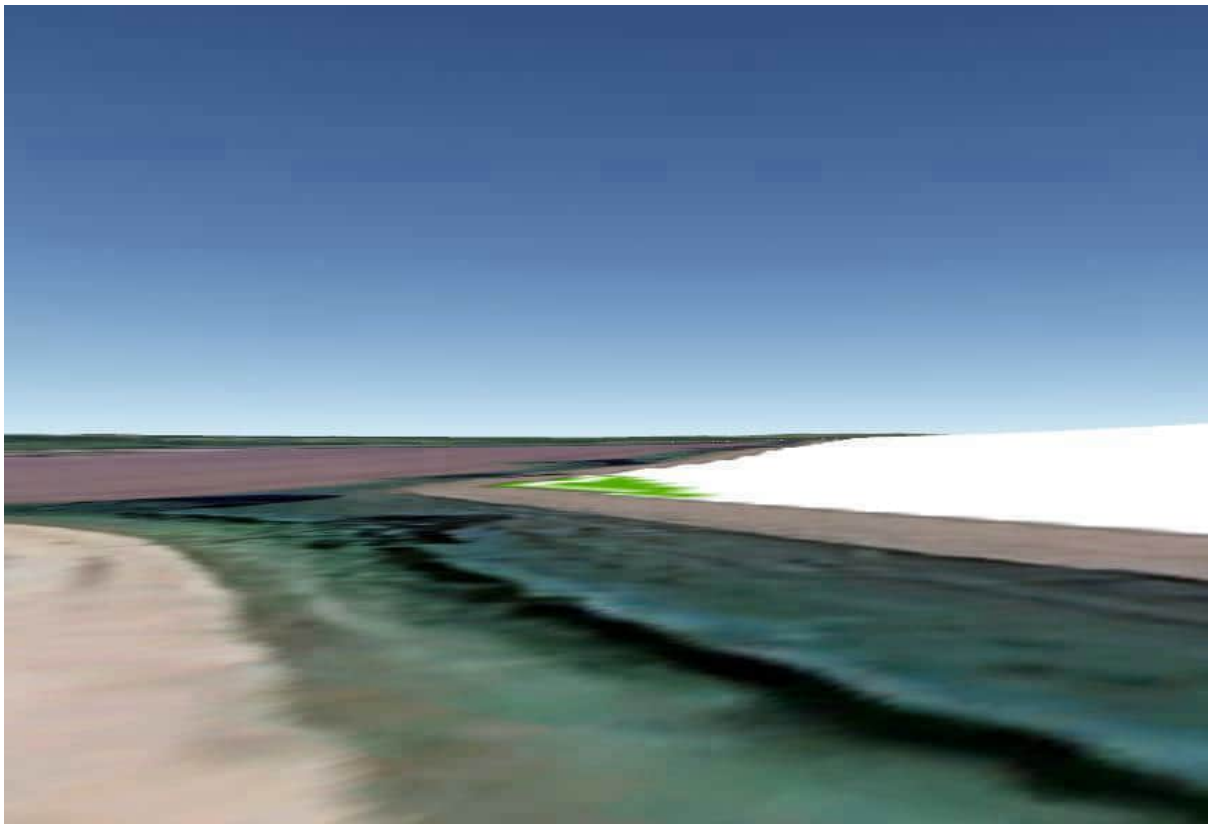
Looking South



Receptor 26

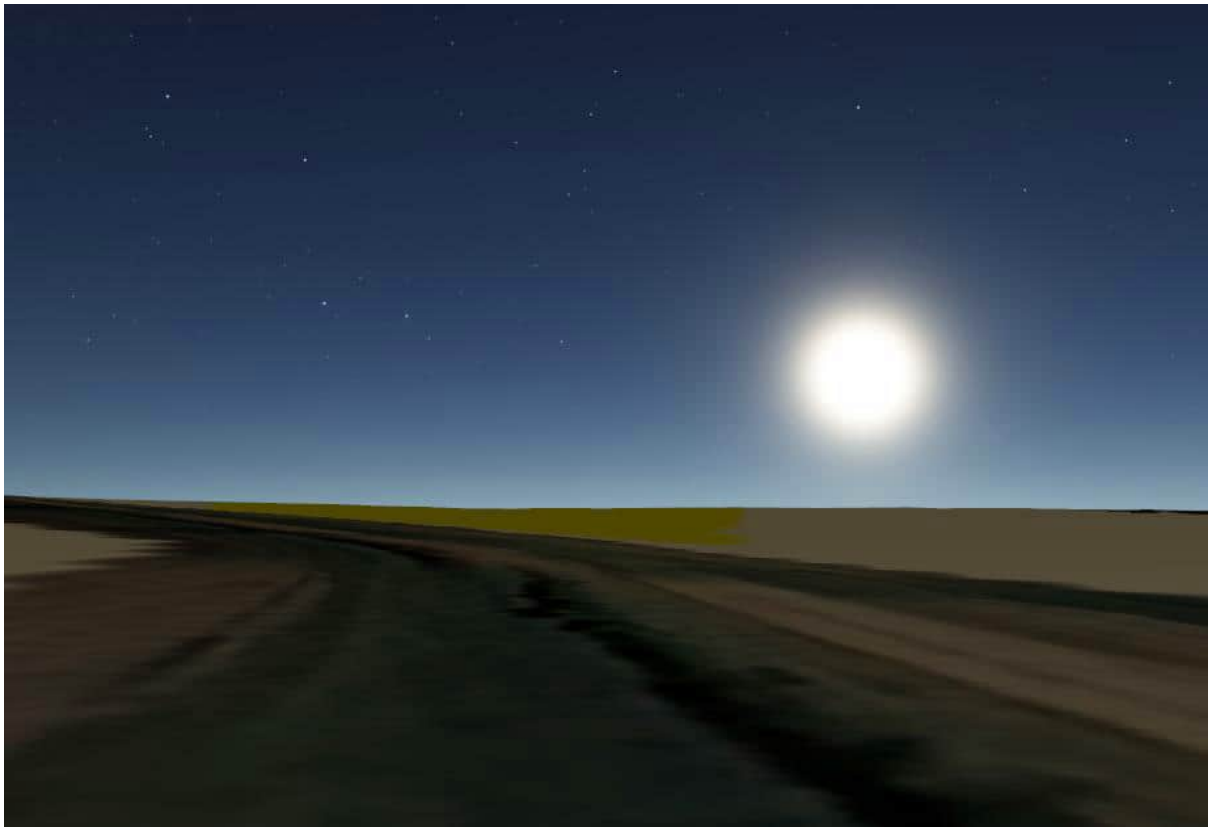


Looking North

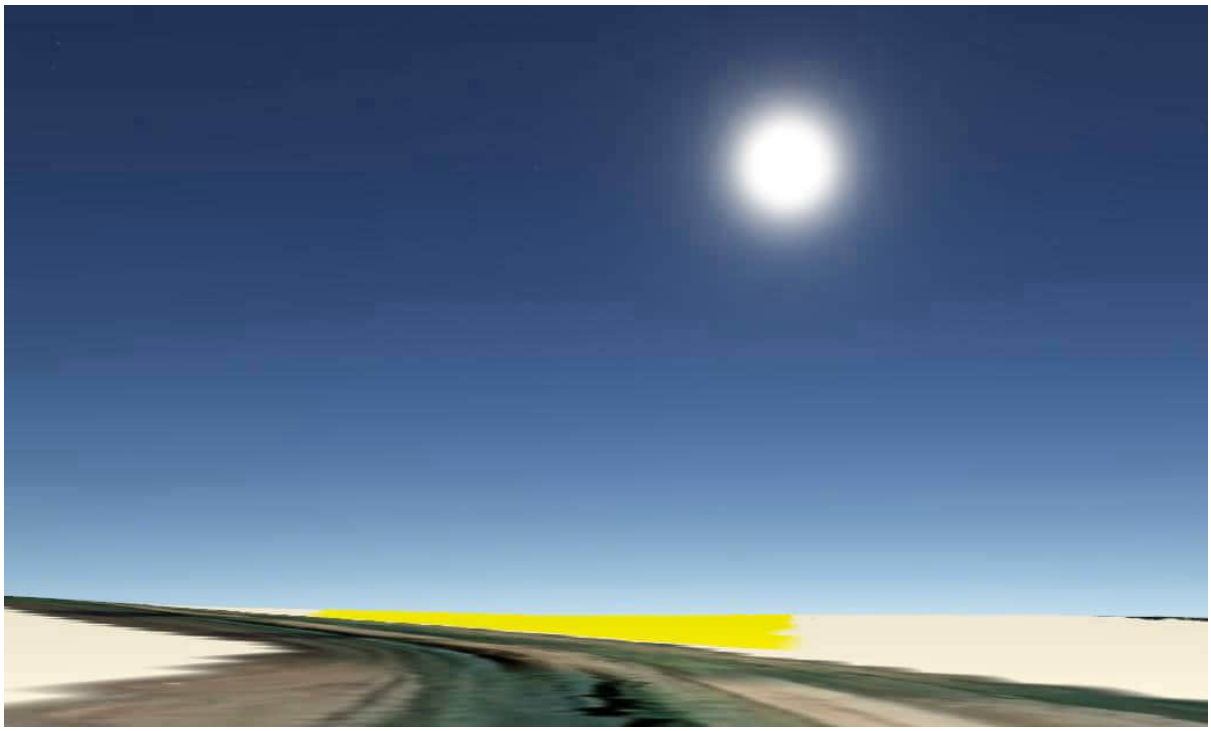


Looking East

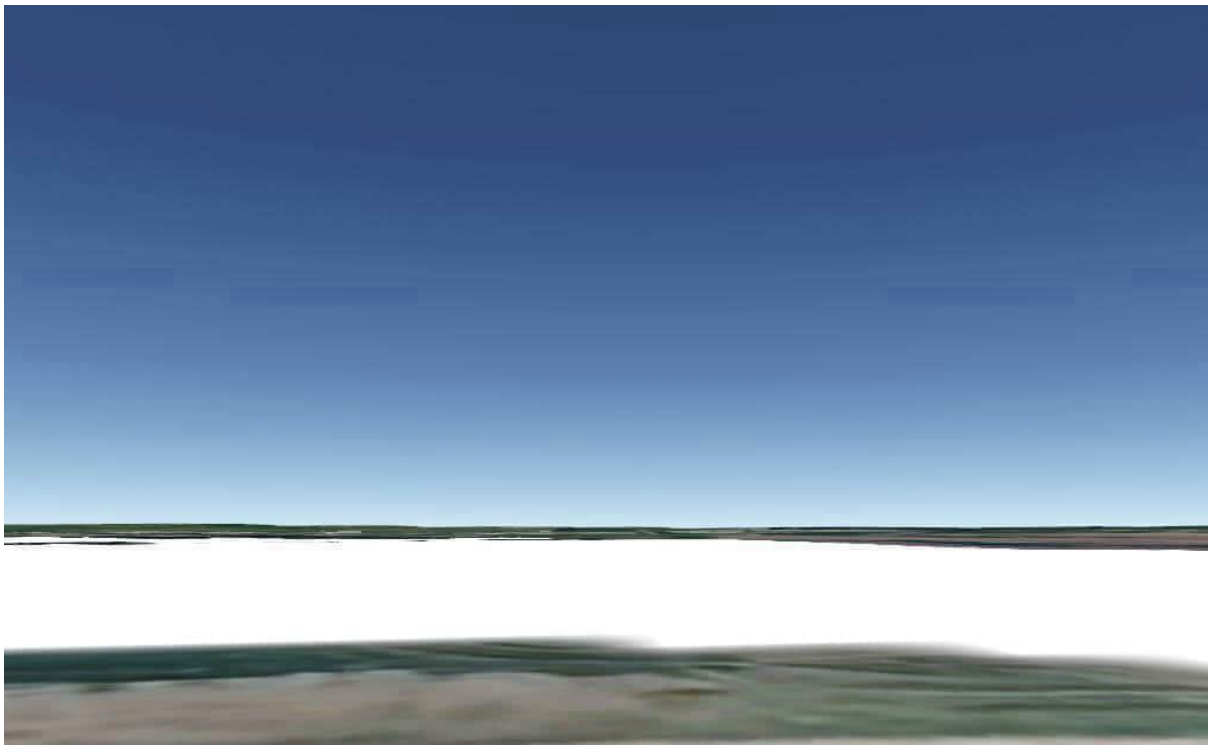
April 1st 06:30 UTC



July 1st 07:00 UTC

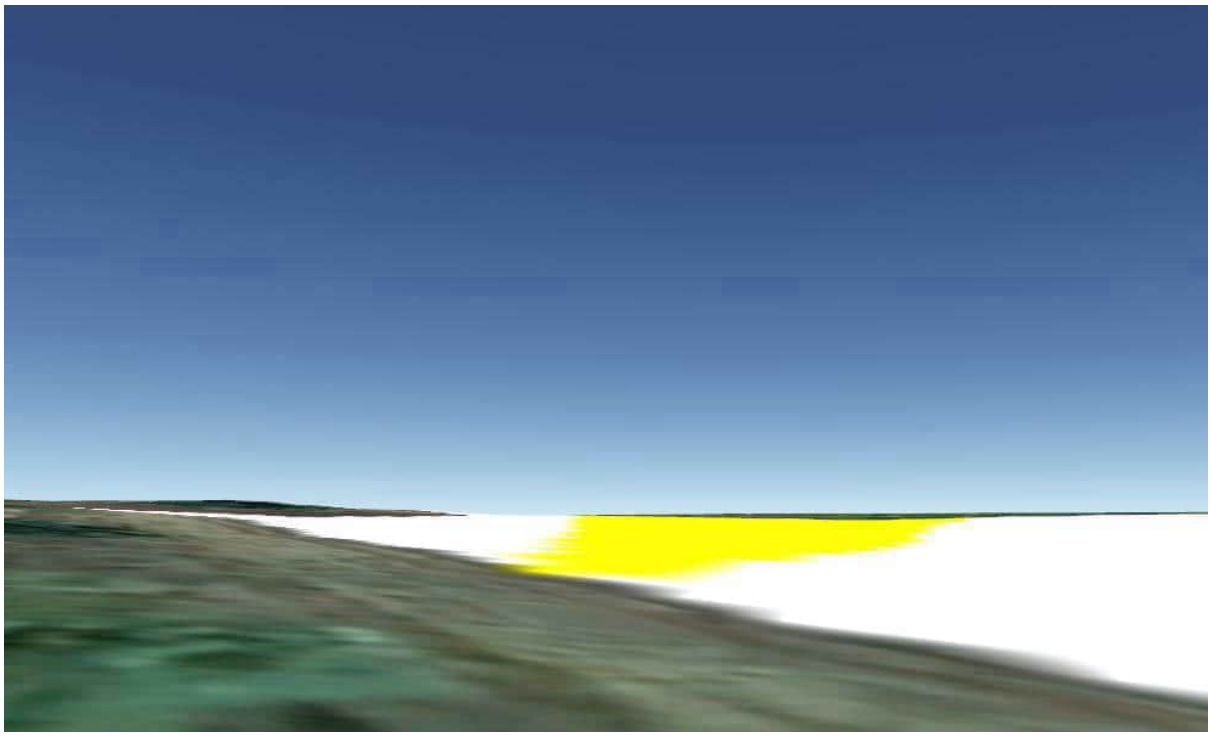


Looking South



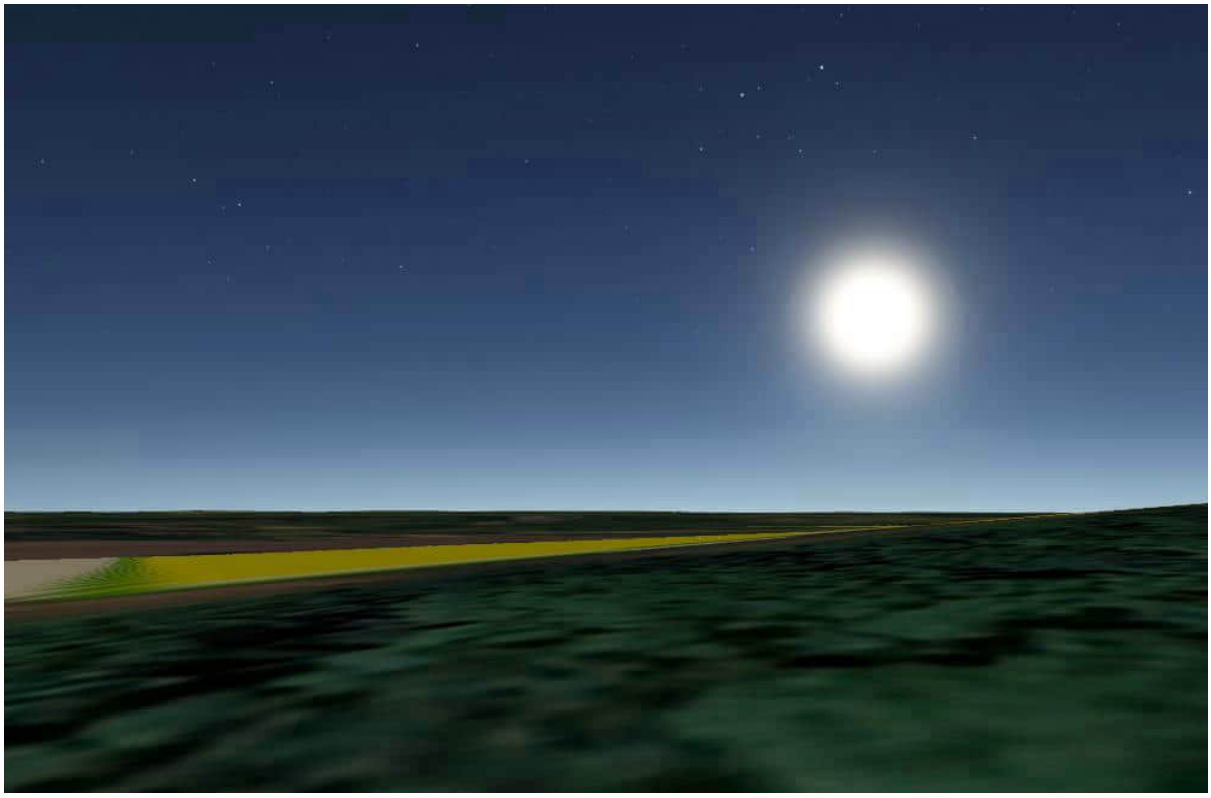
Receptor 27

Looking East



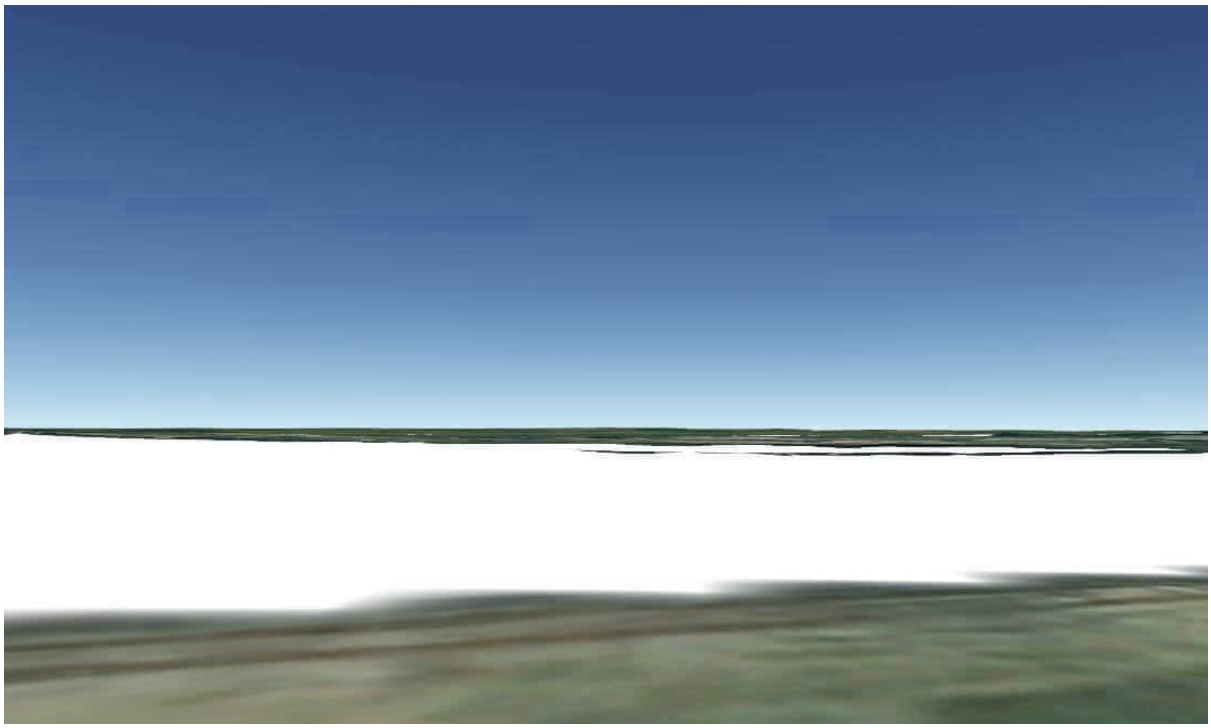
Looking West

July 1st 19:00 UTC

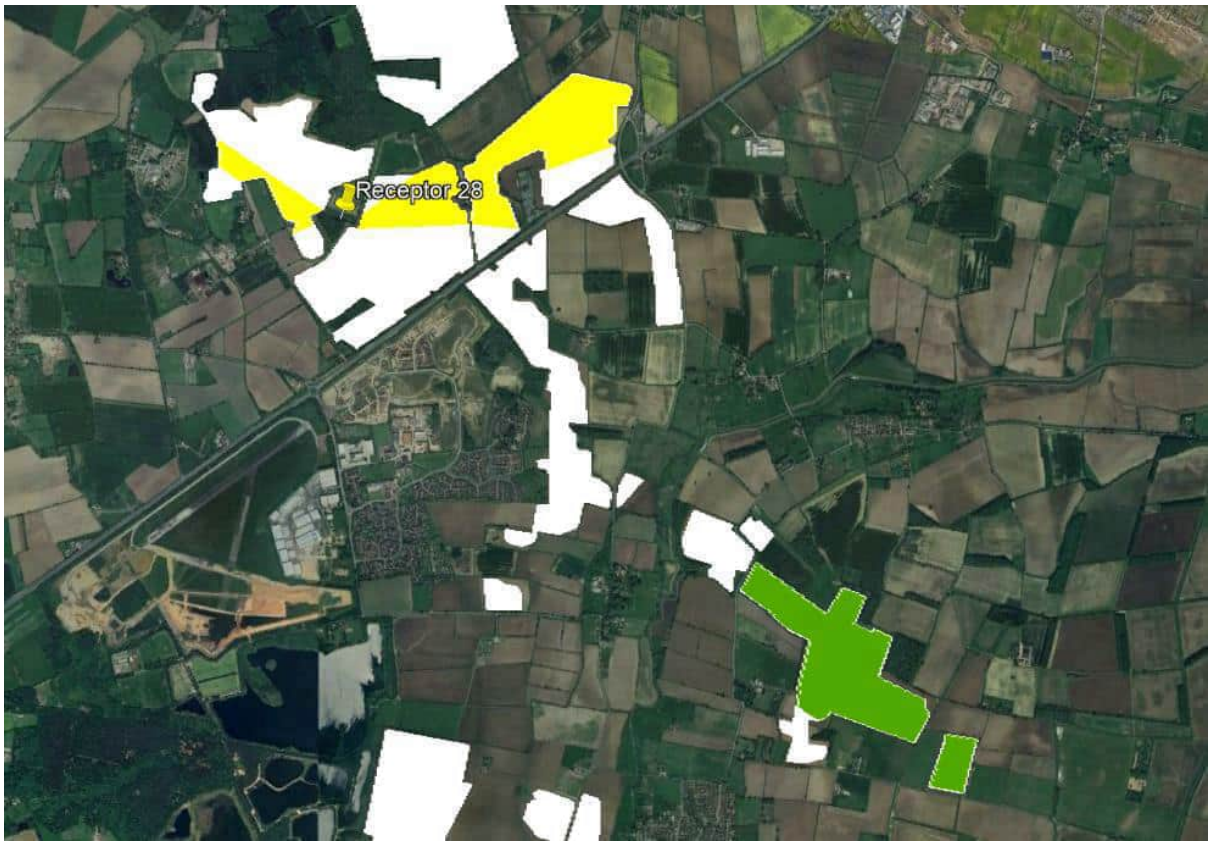


October 1st 17:00 UTC

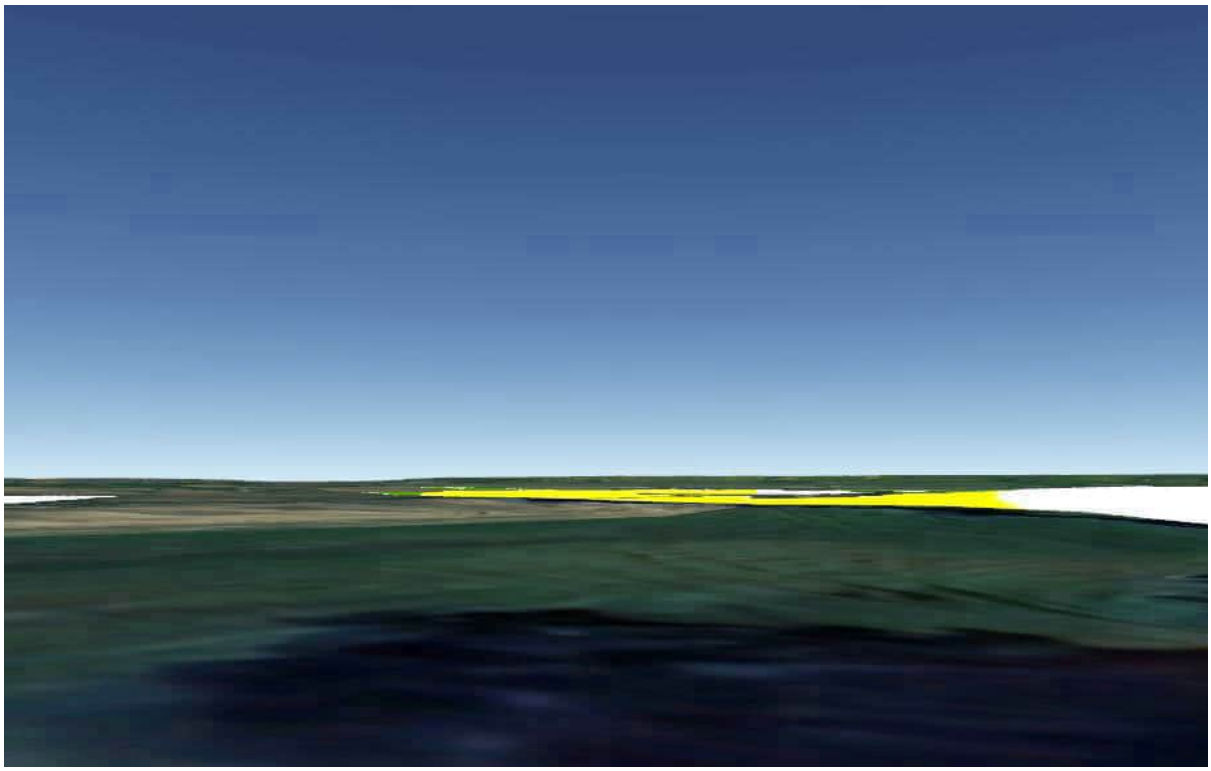
Looking South



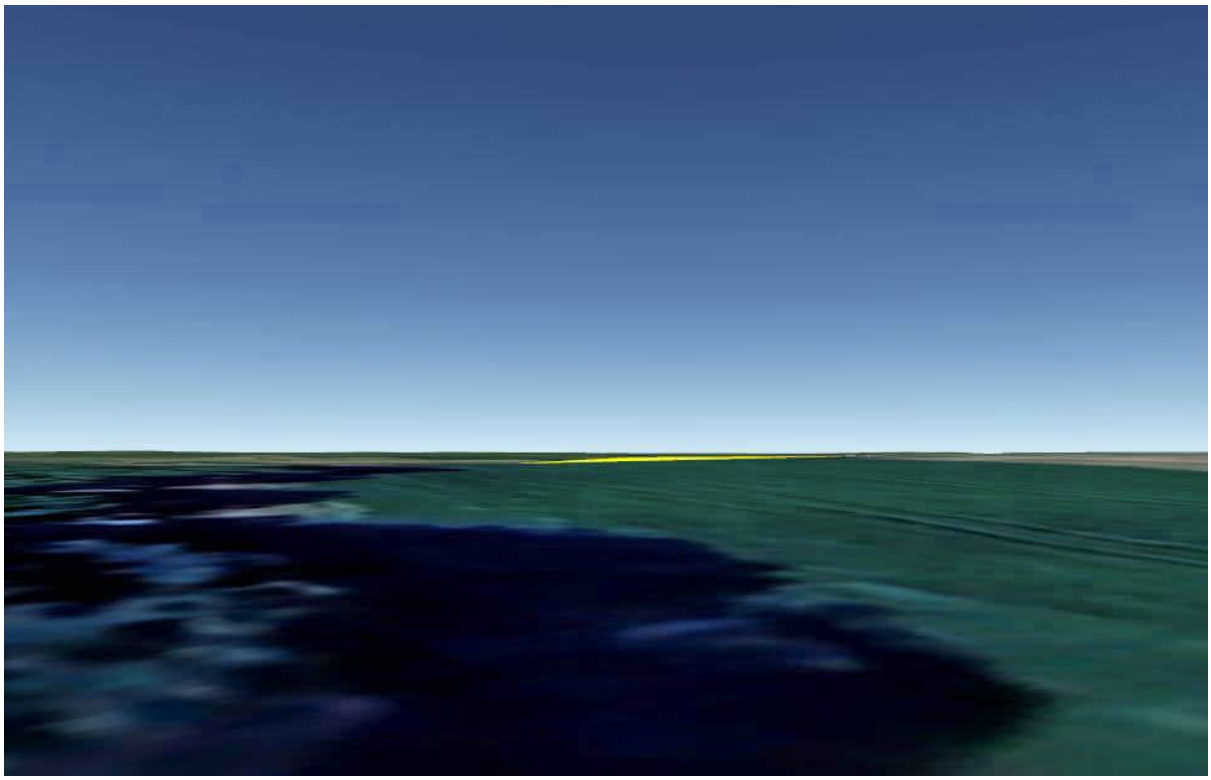
Receptor 28



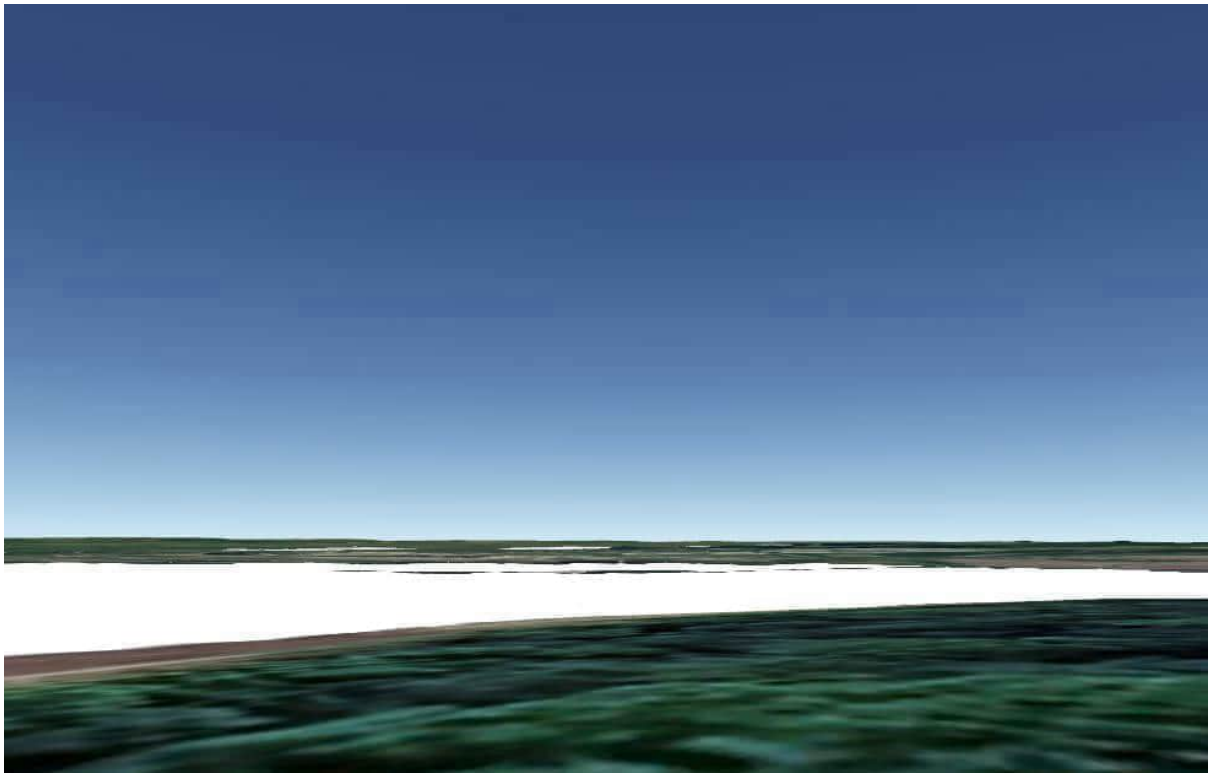
Looking East



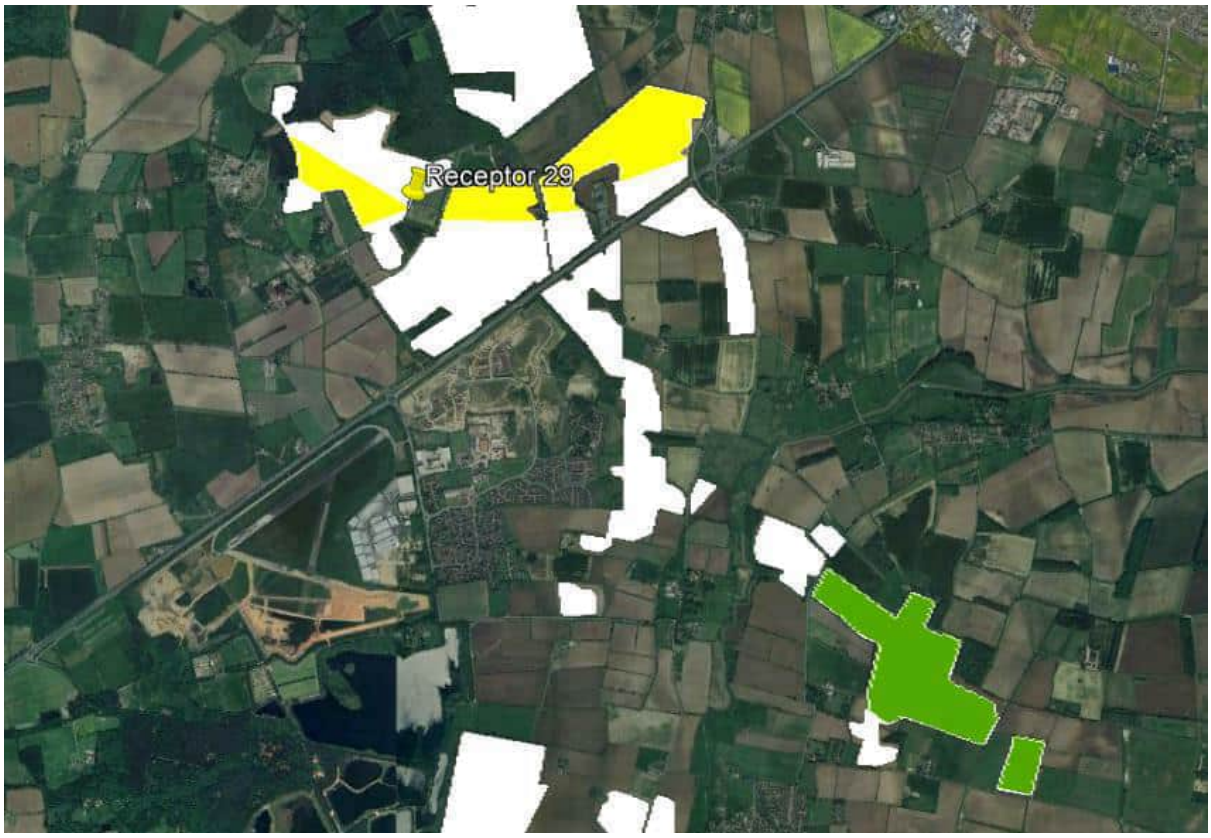
Looking West



Looking South



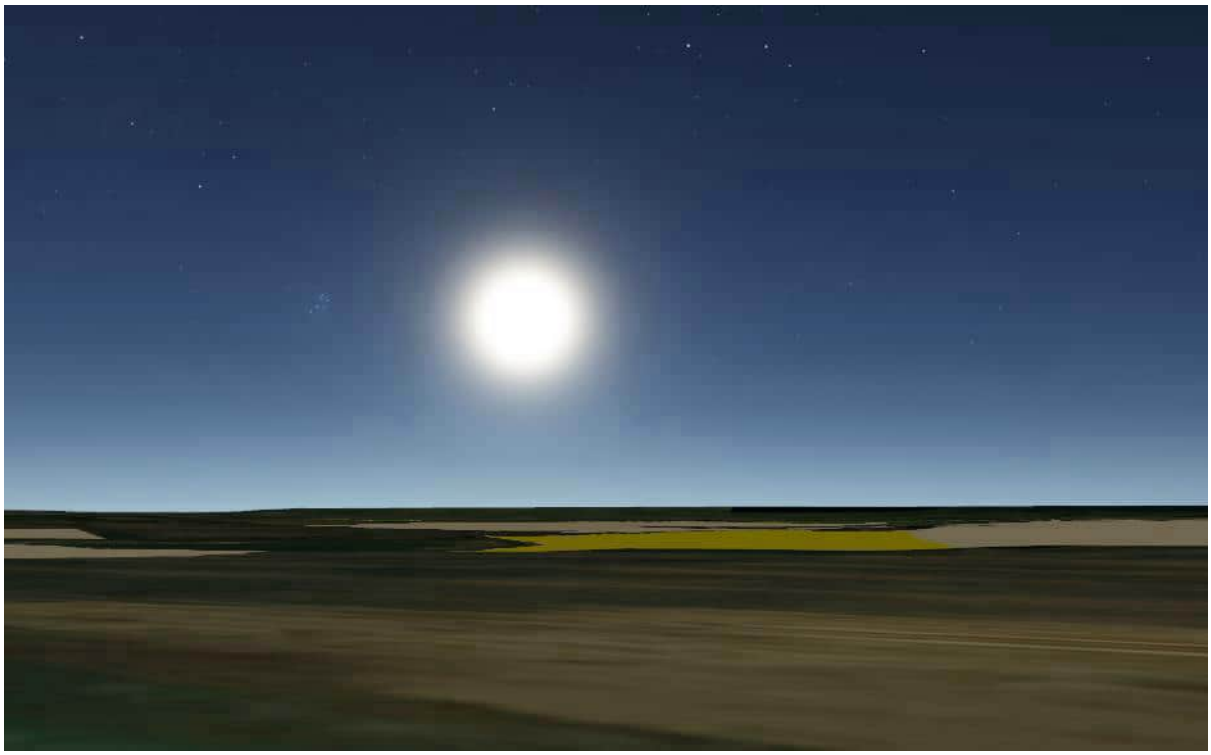
Receptor 29



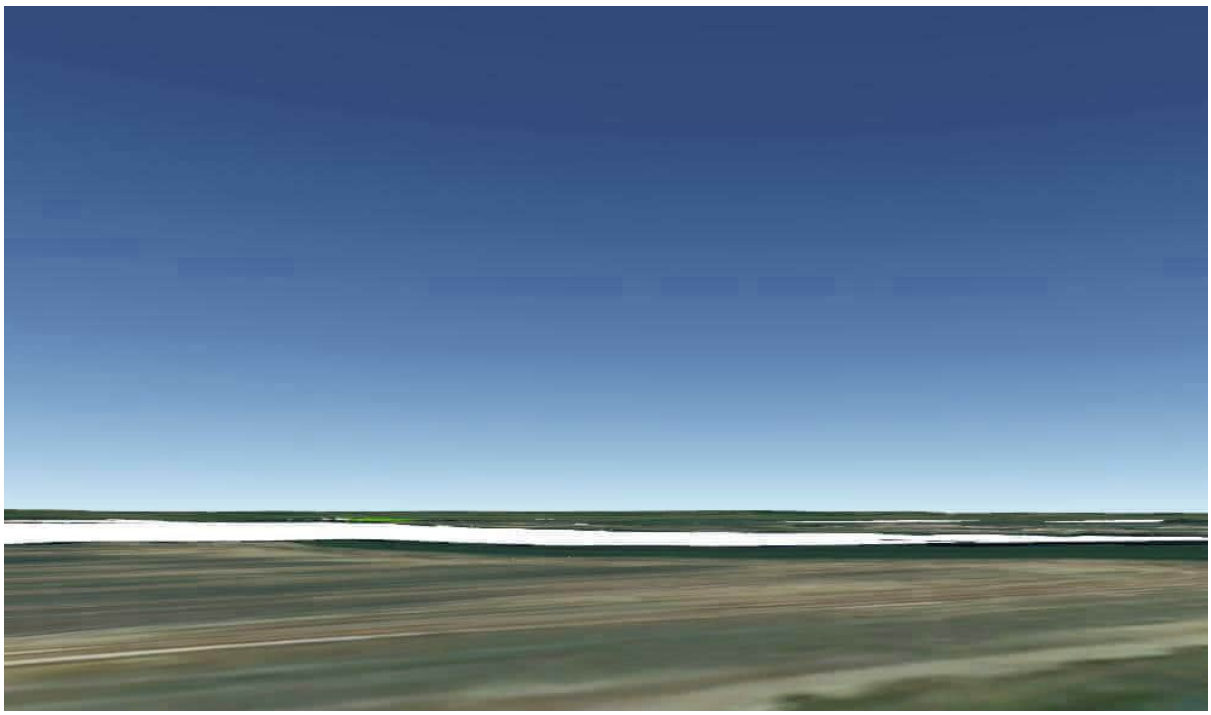
Looking East

March 15th 07:00 UTC

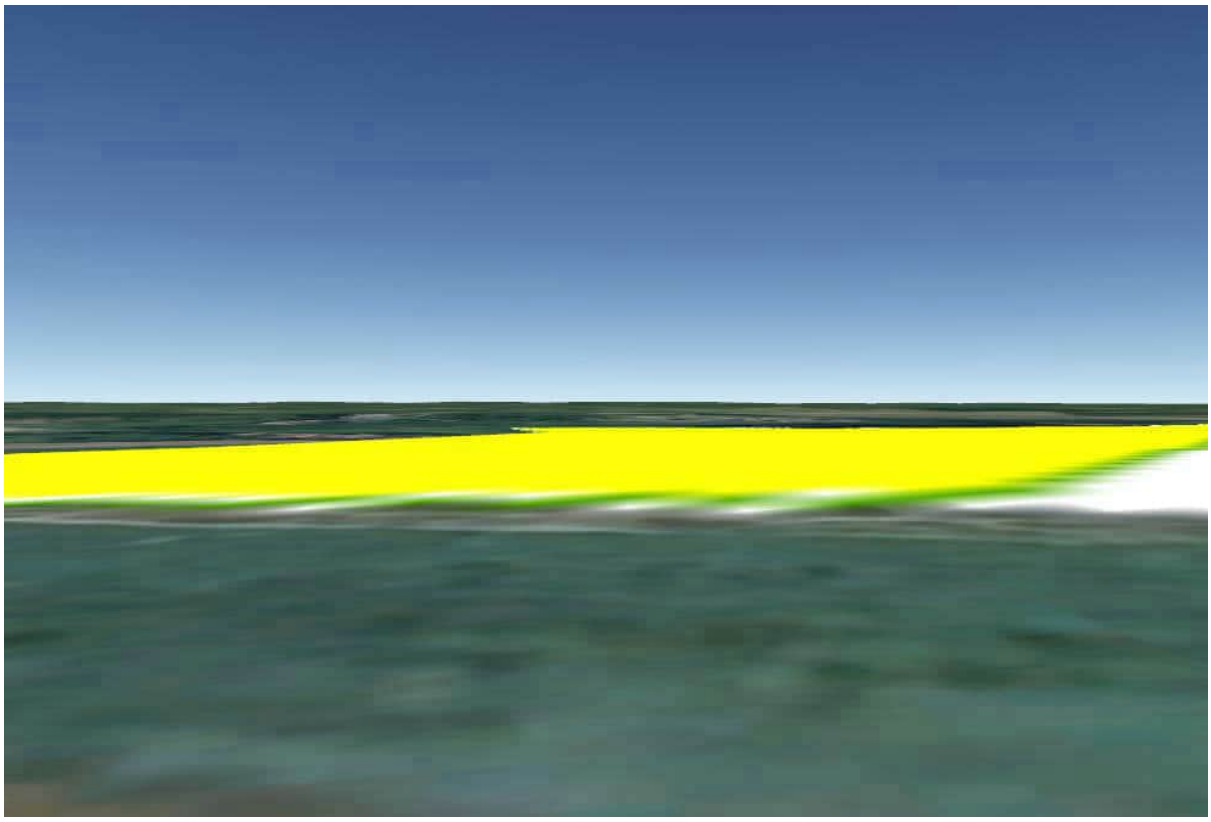
May 10th 05:30 UTC



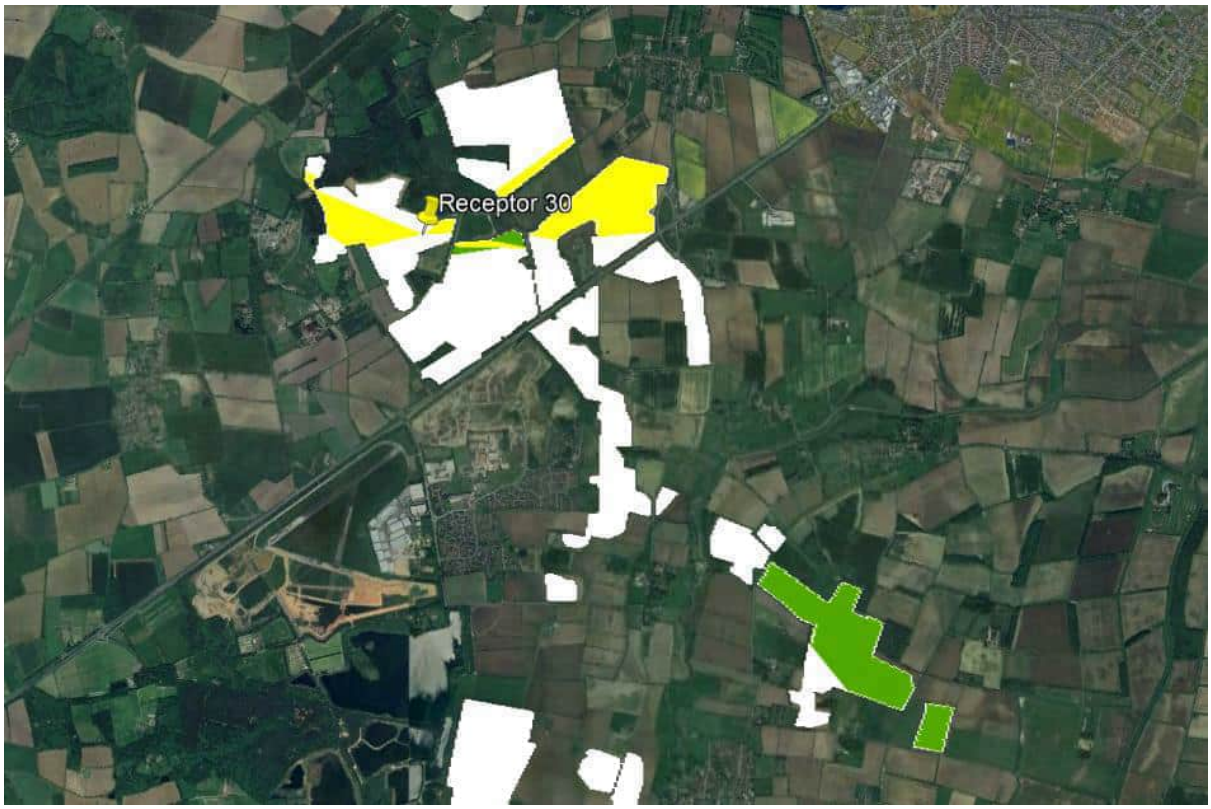
Looking South



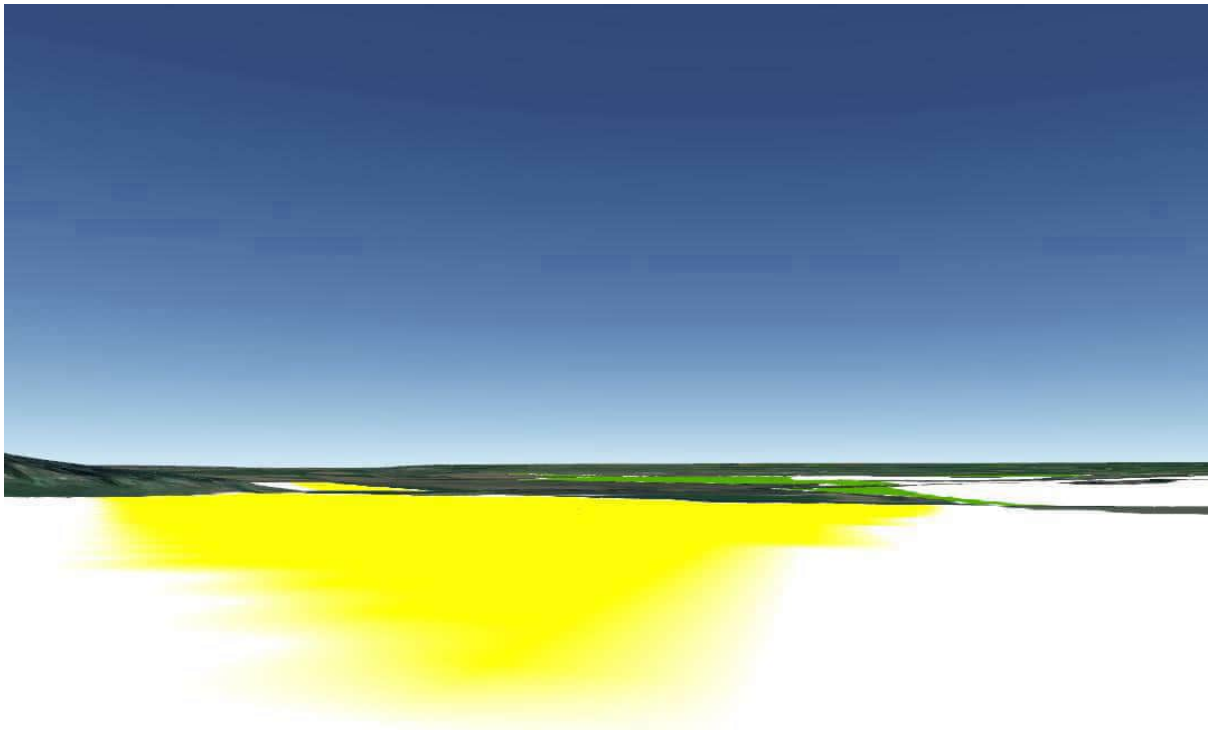
Looking West



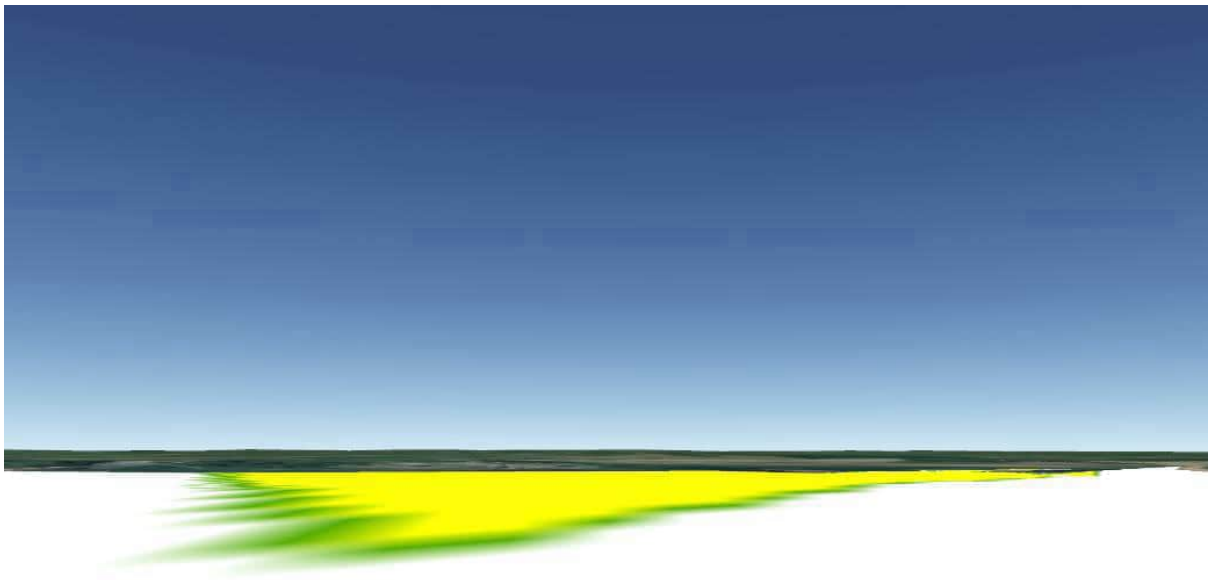
Receptor 30



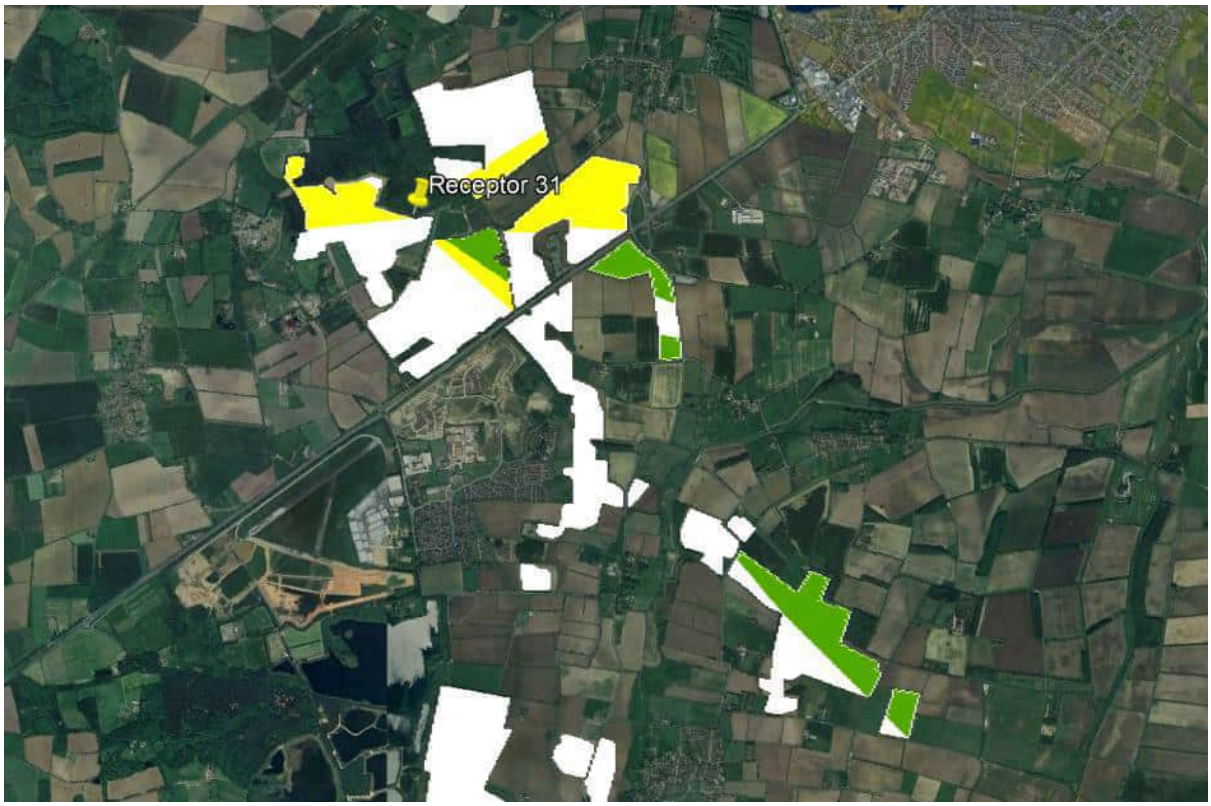
Looking East



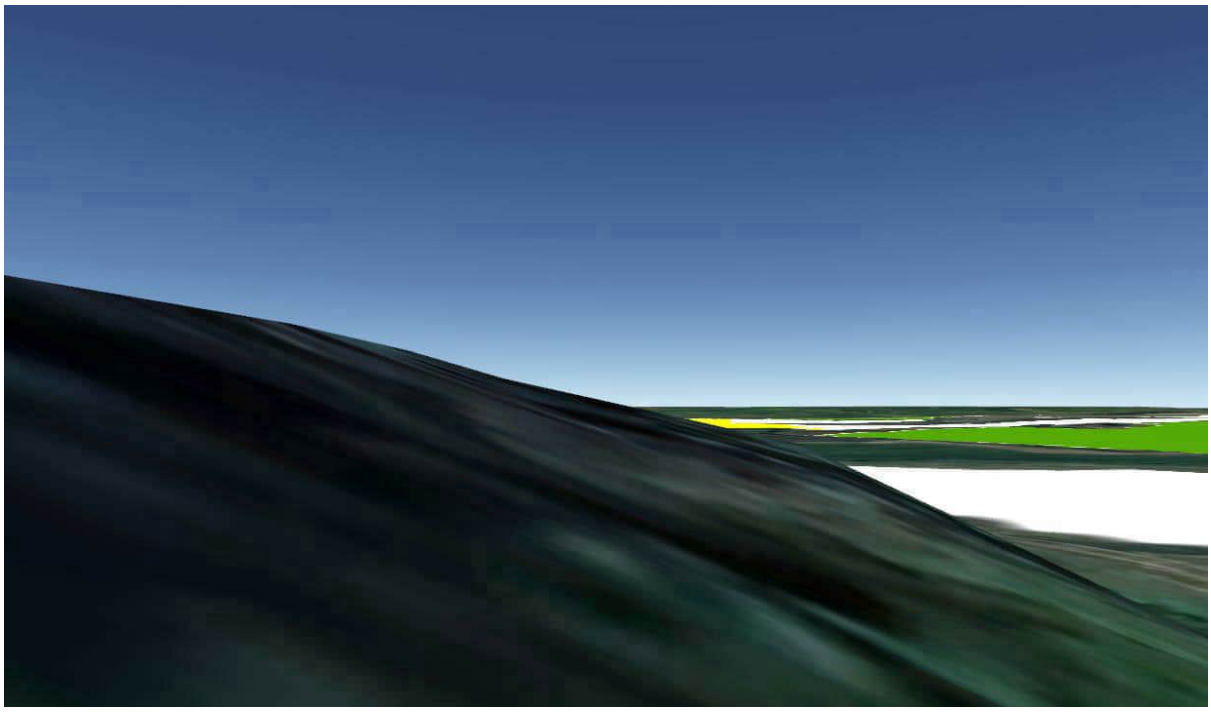
Looking West



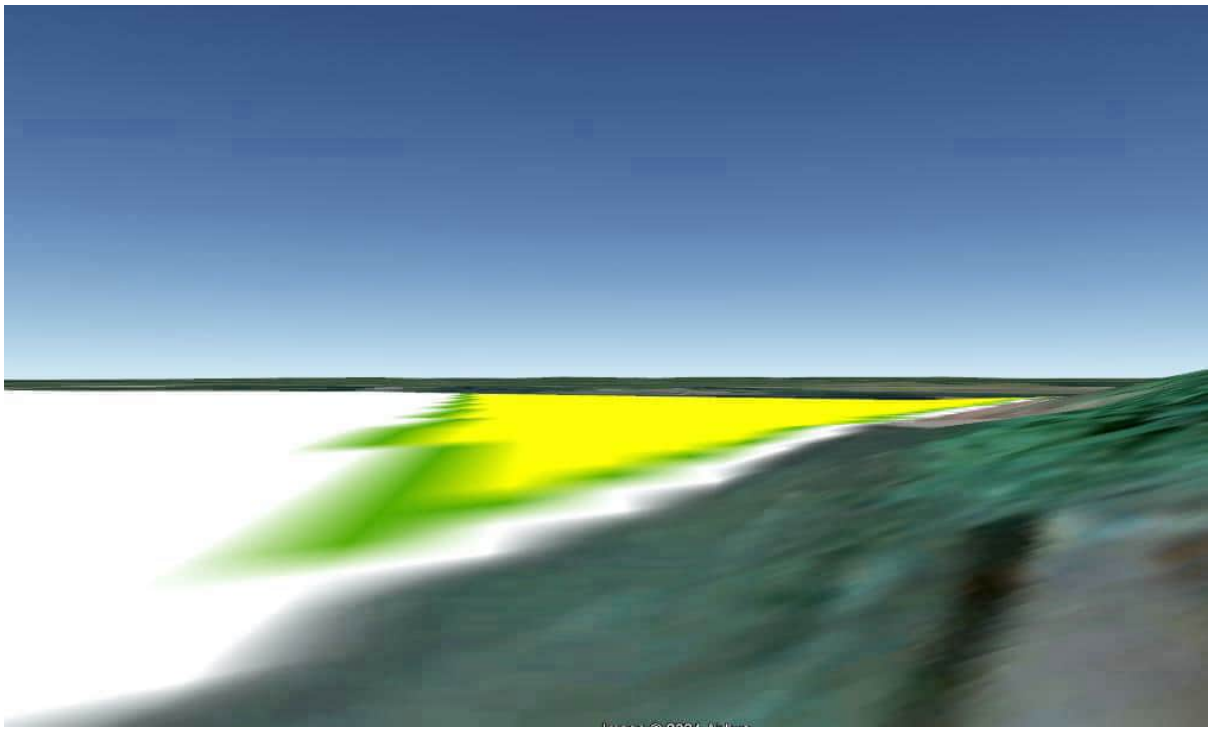
Receptor 31



Looking East

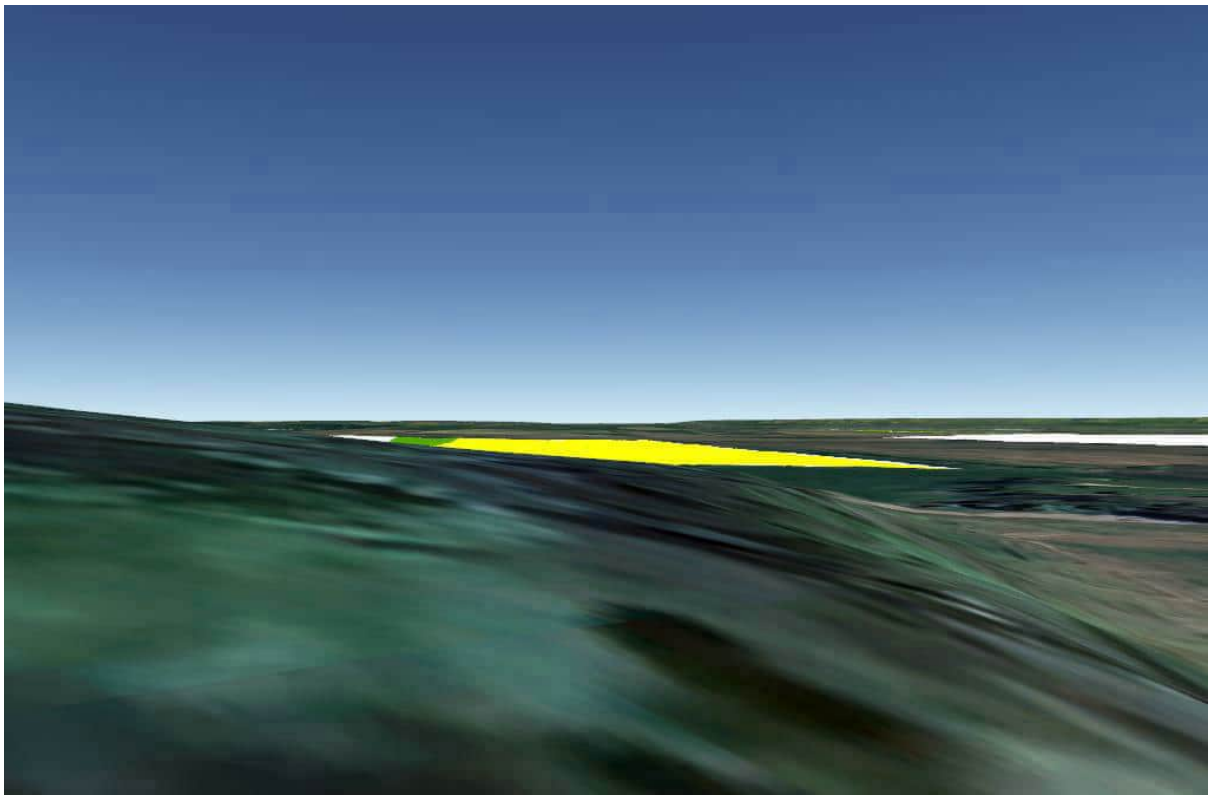


Looking West

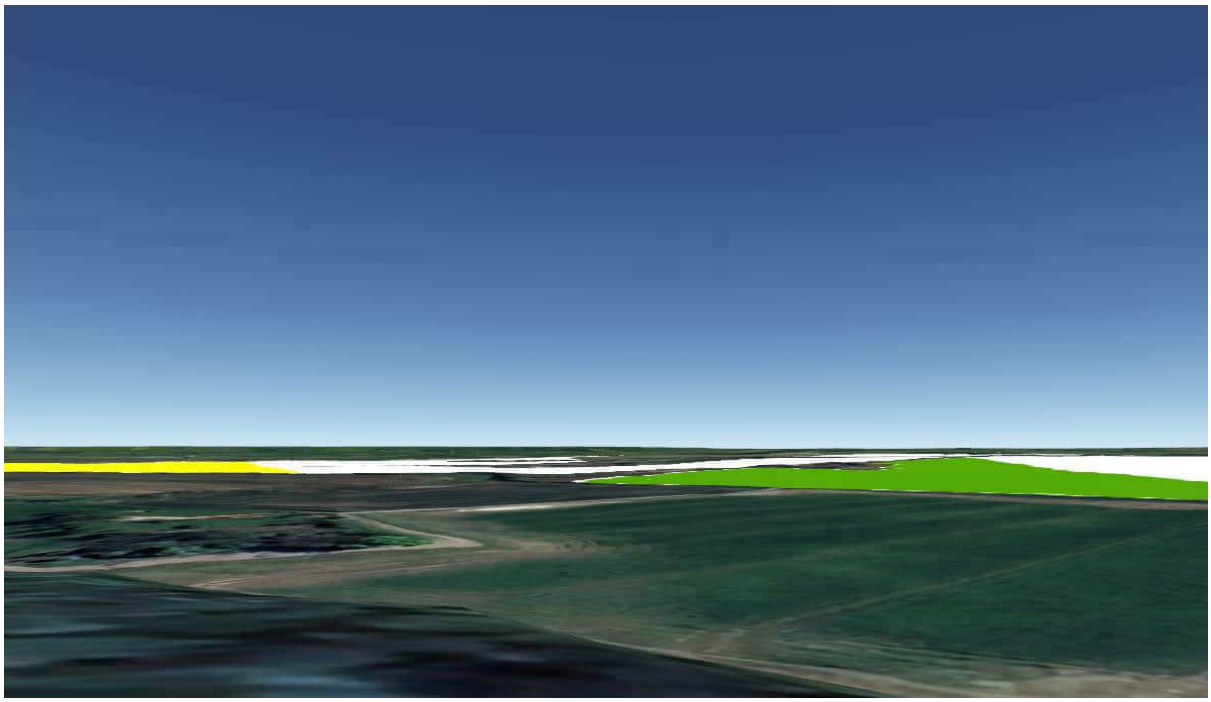


Receptor 32

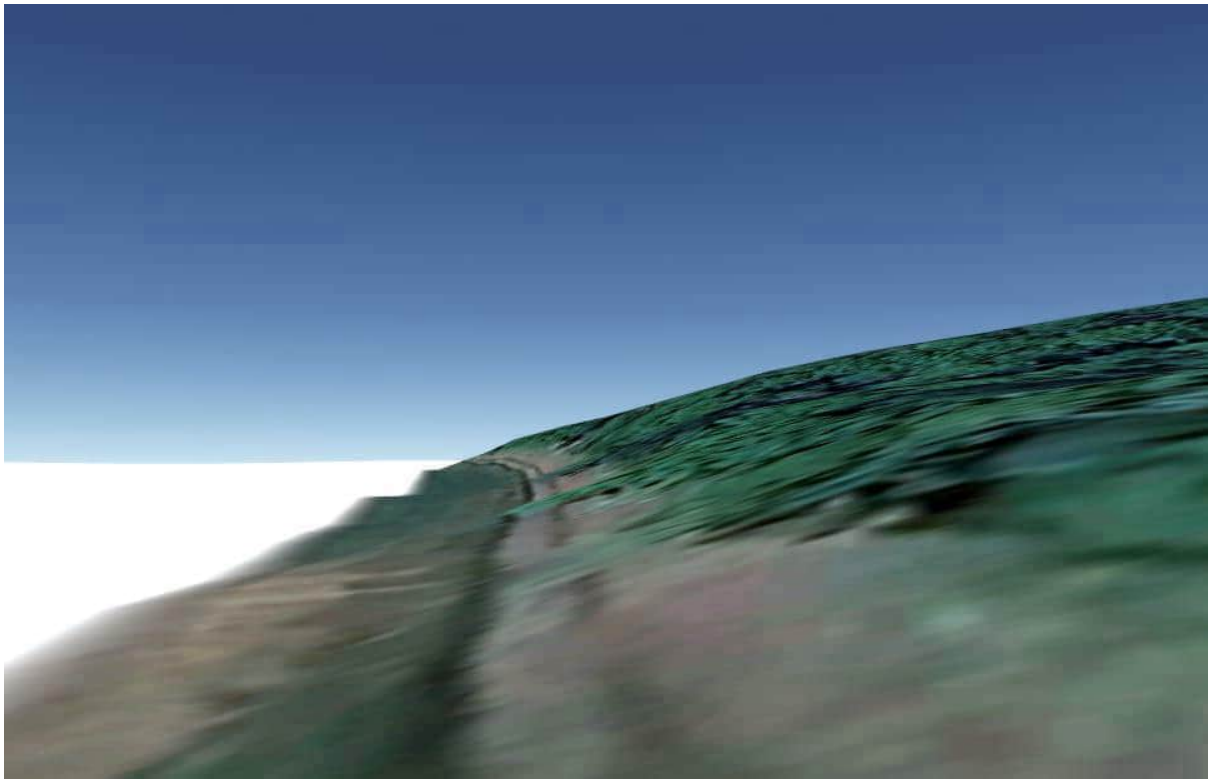
Looking East



Looking South

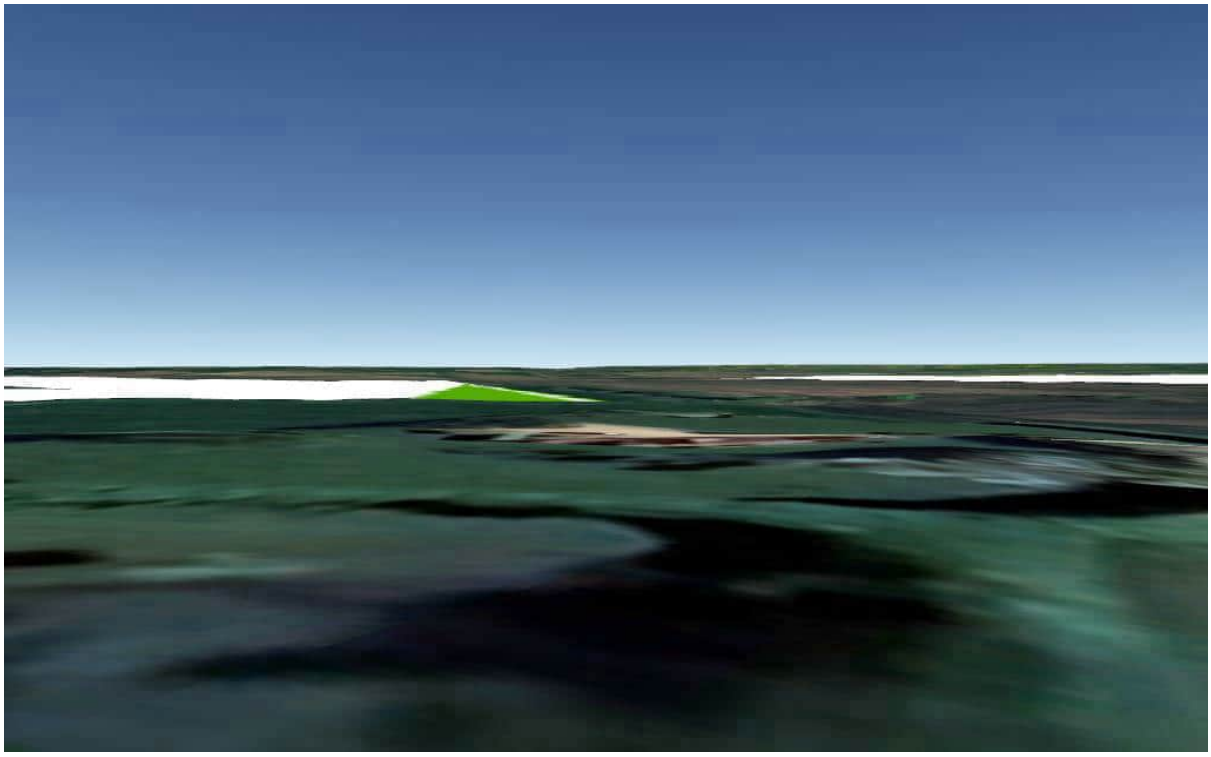


Looking West

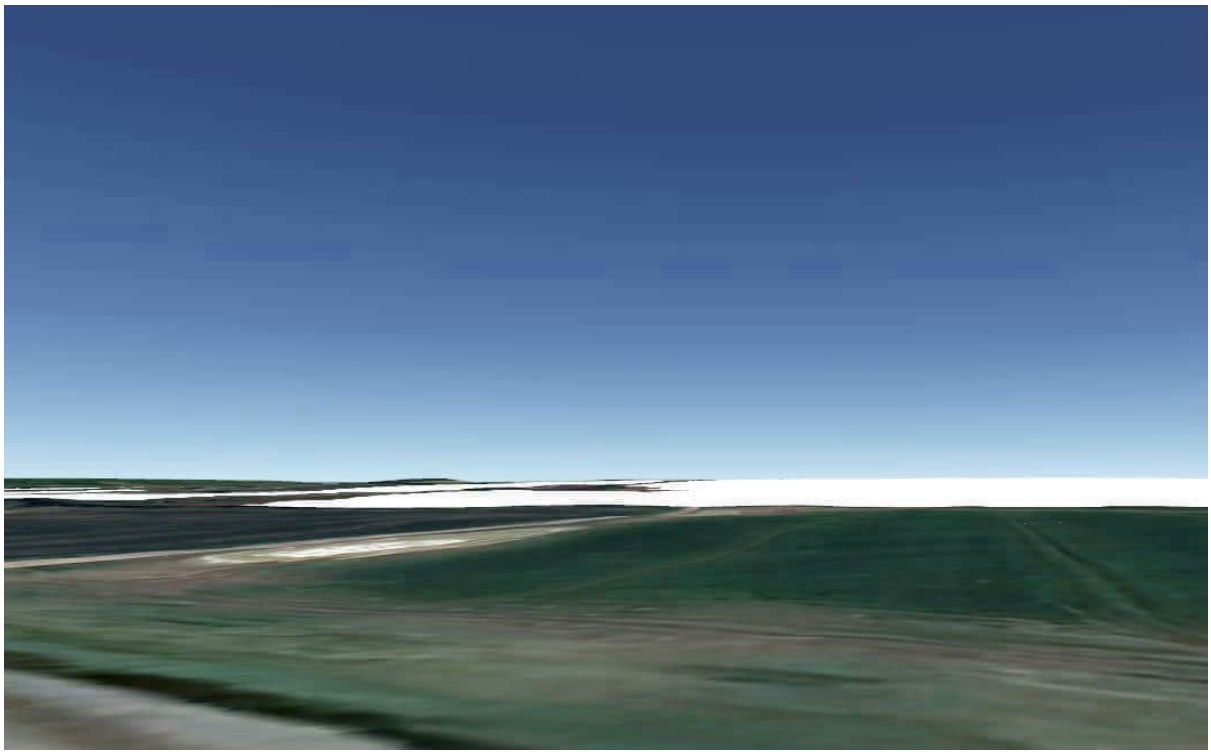


Receptor 33

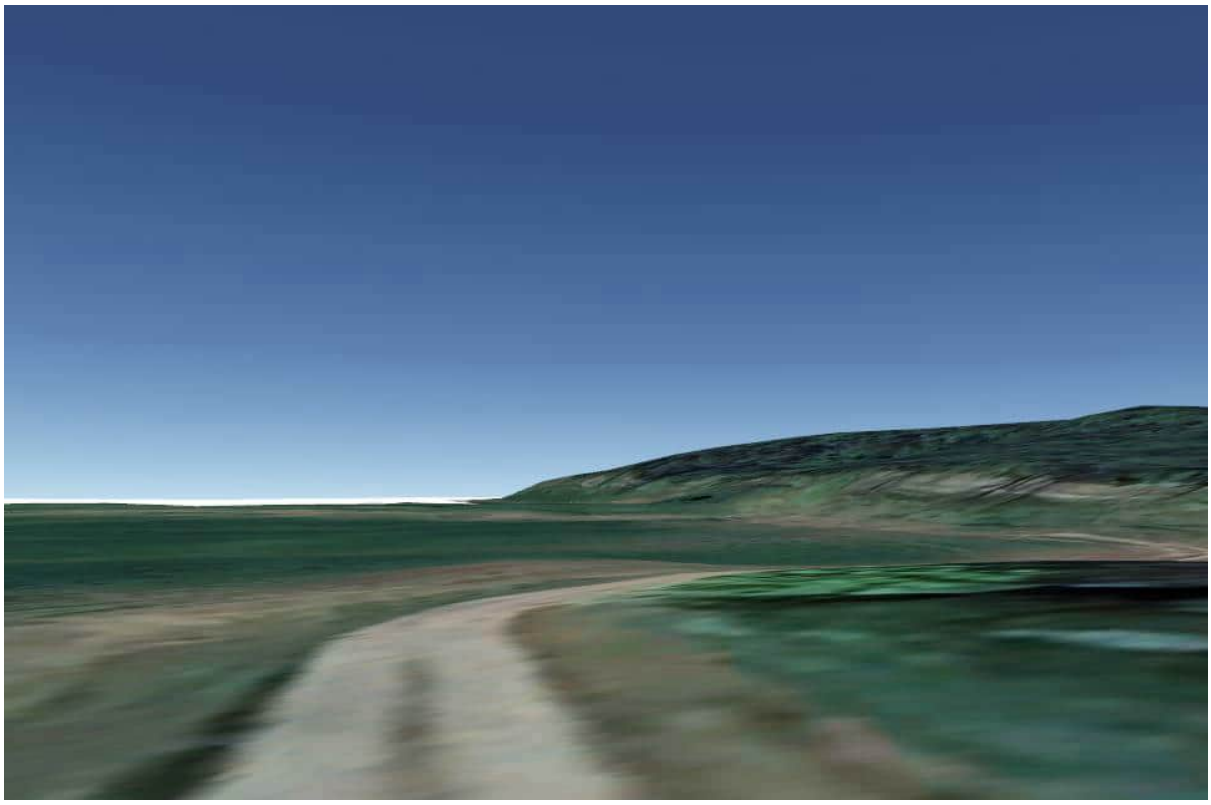
Looking East



Looking South

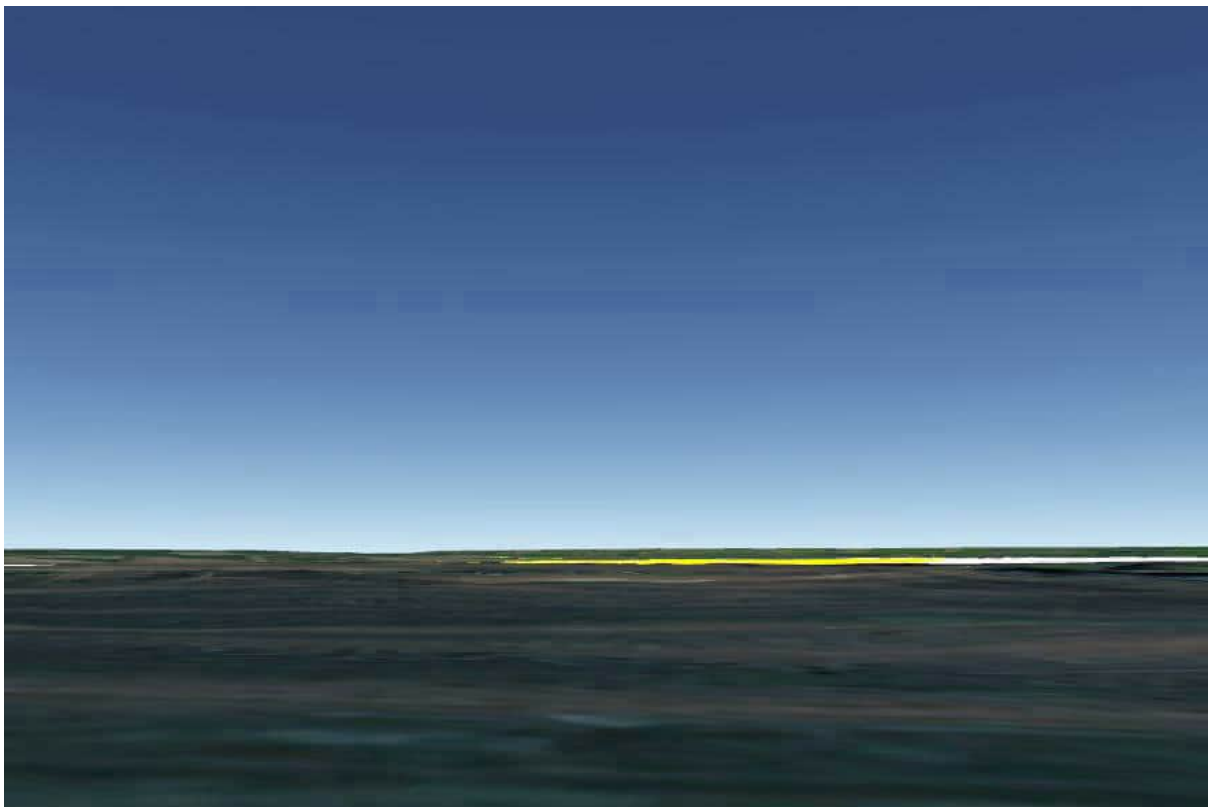


Looking West

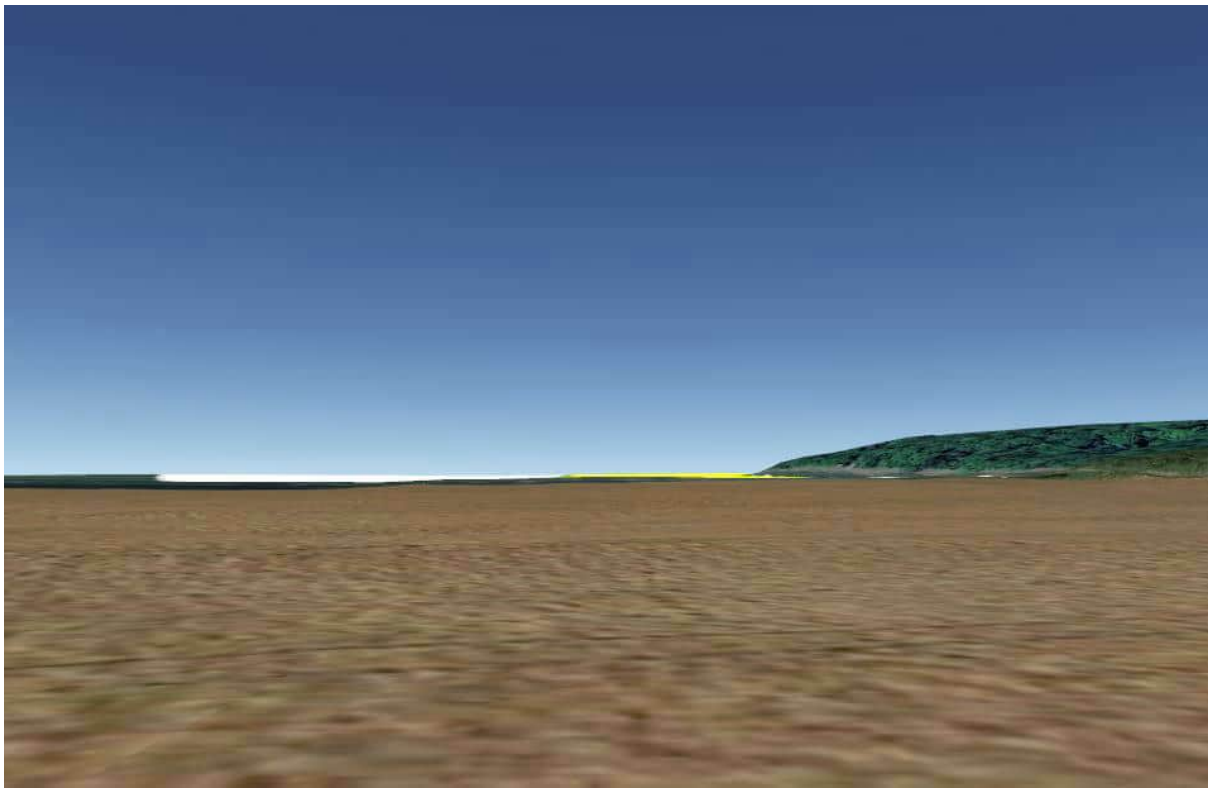


Receptor 34

Looking East

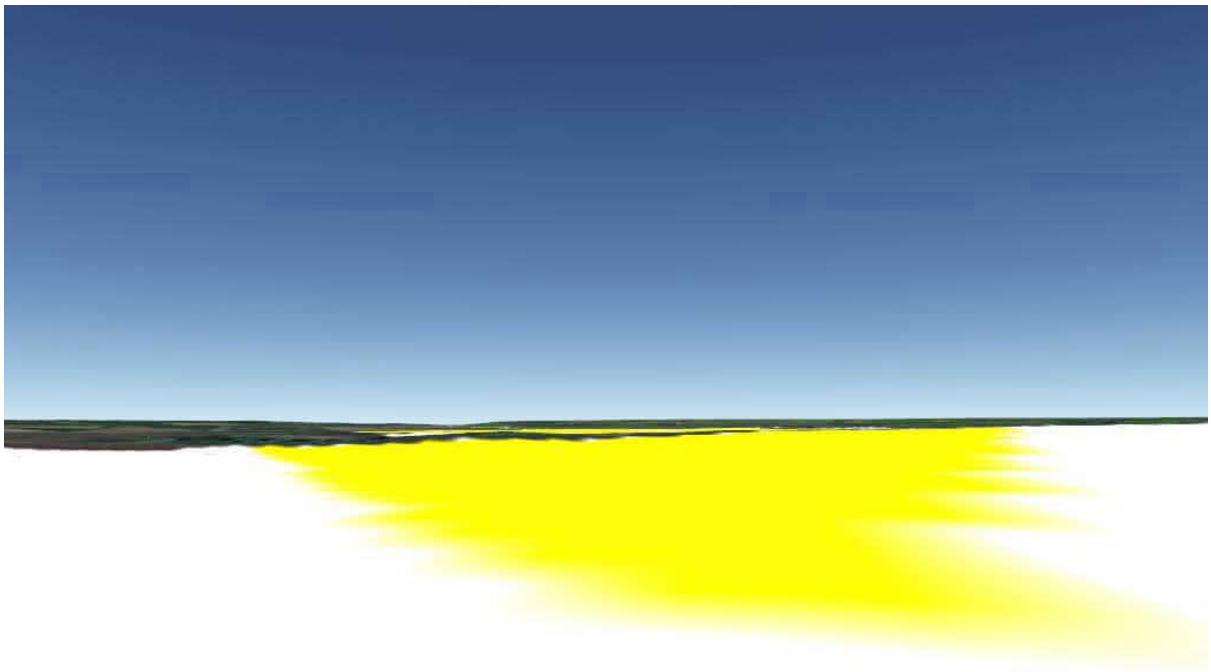


Looking West

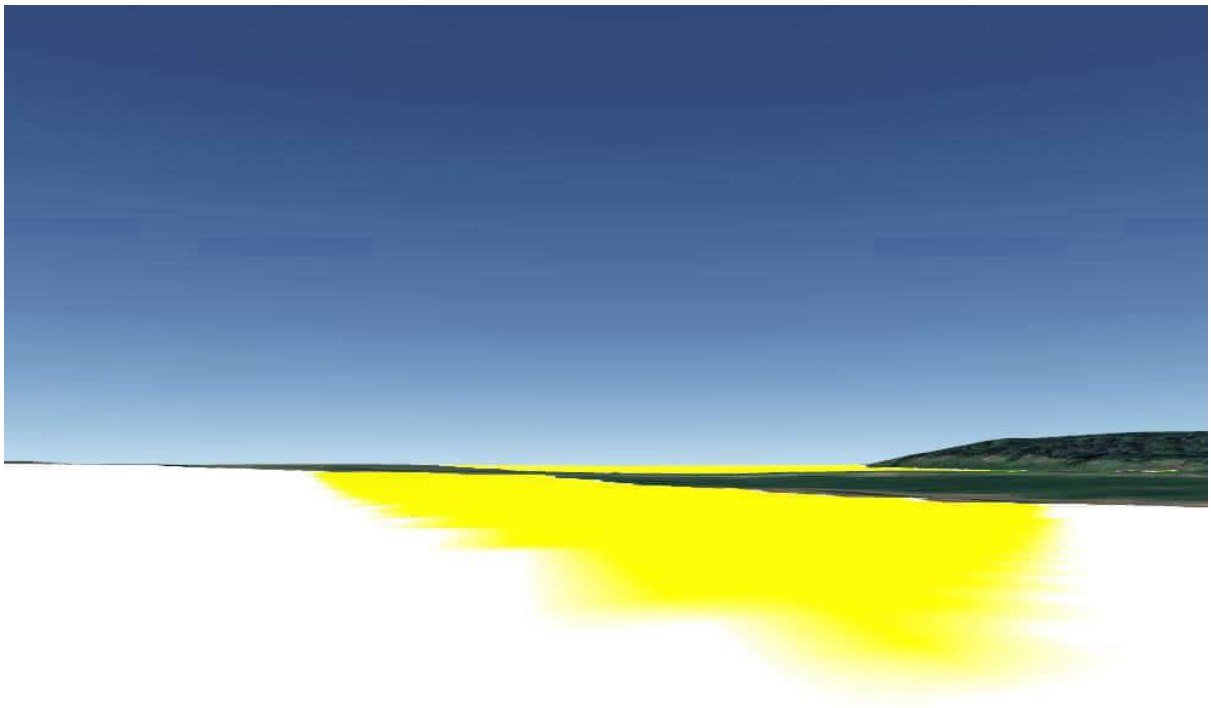


Receptor 35

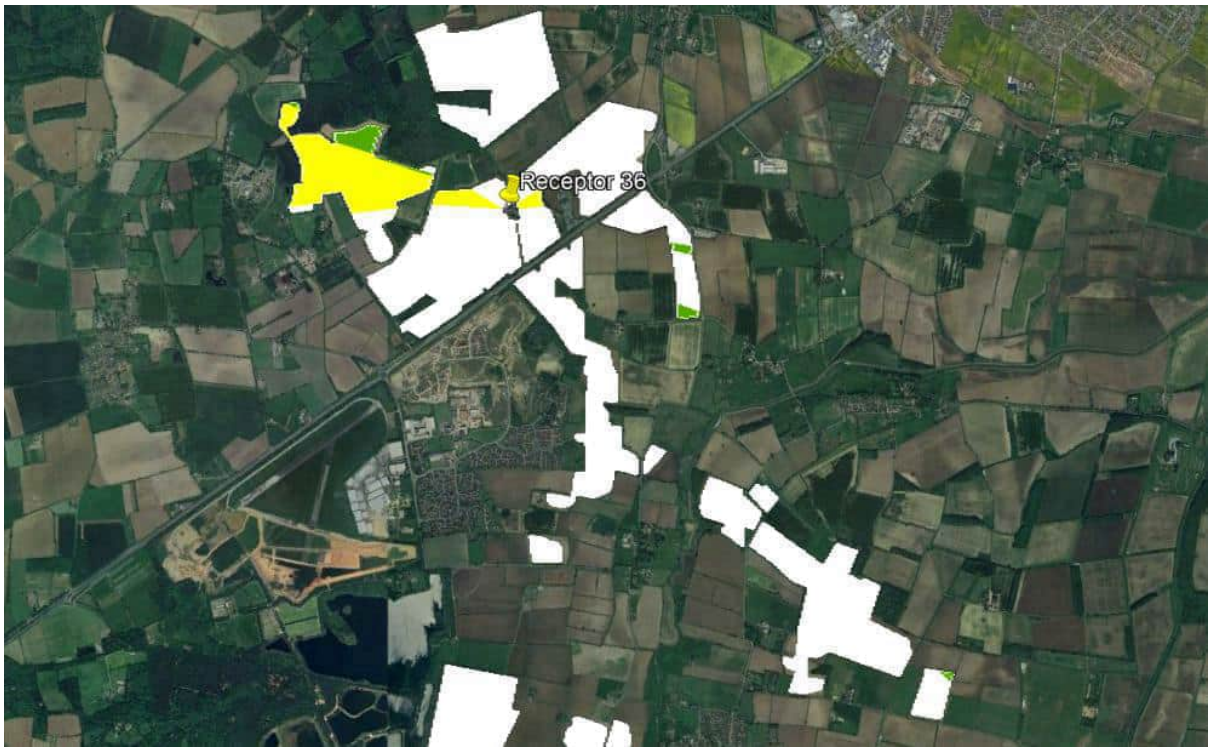
Looking East



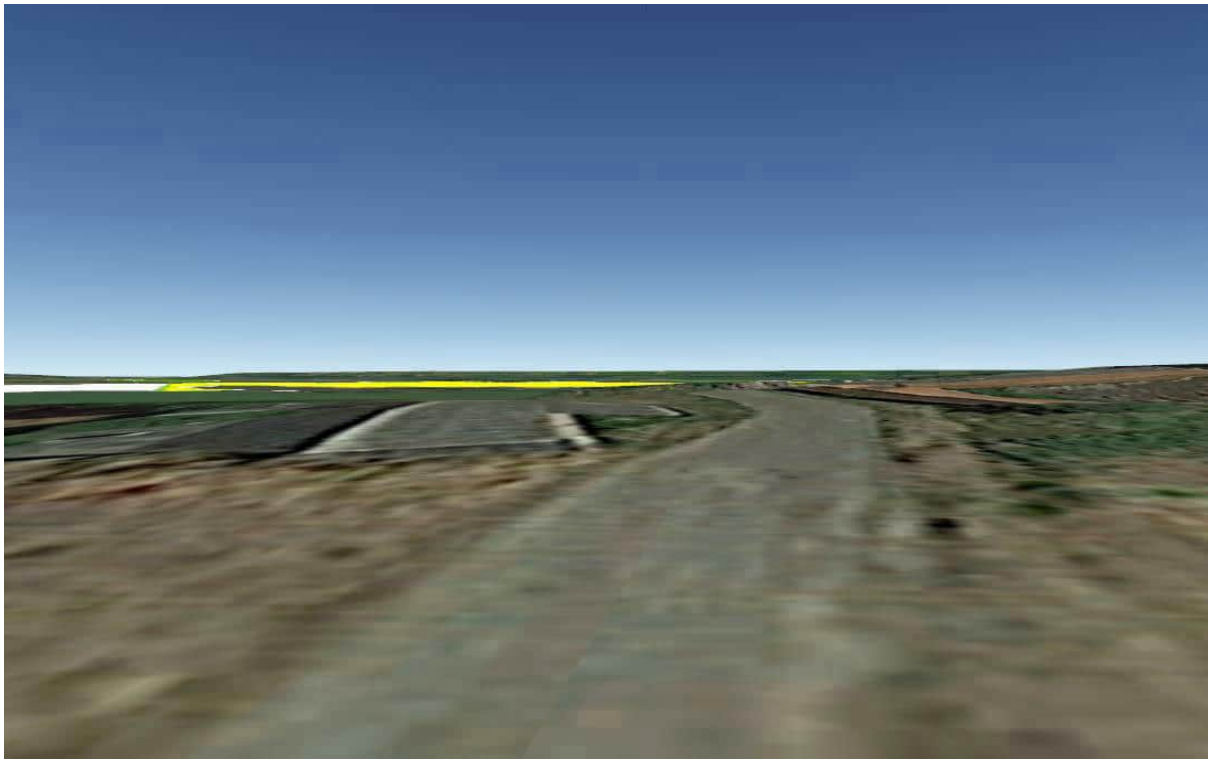
Looking West



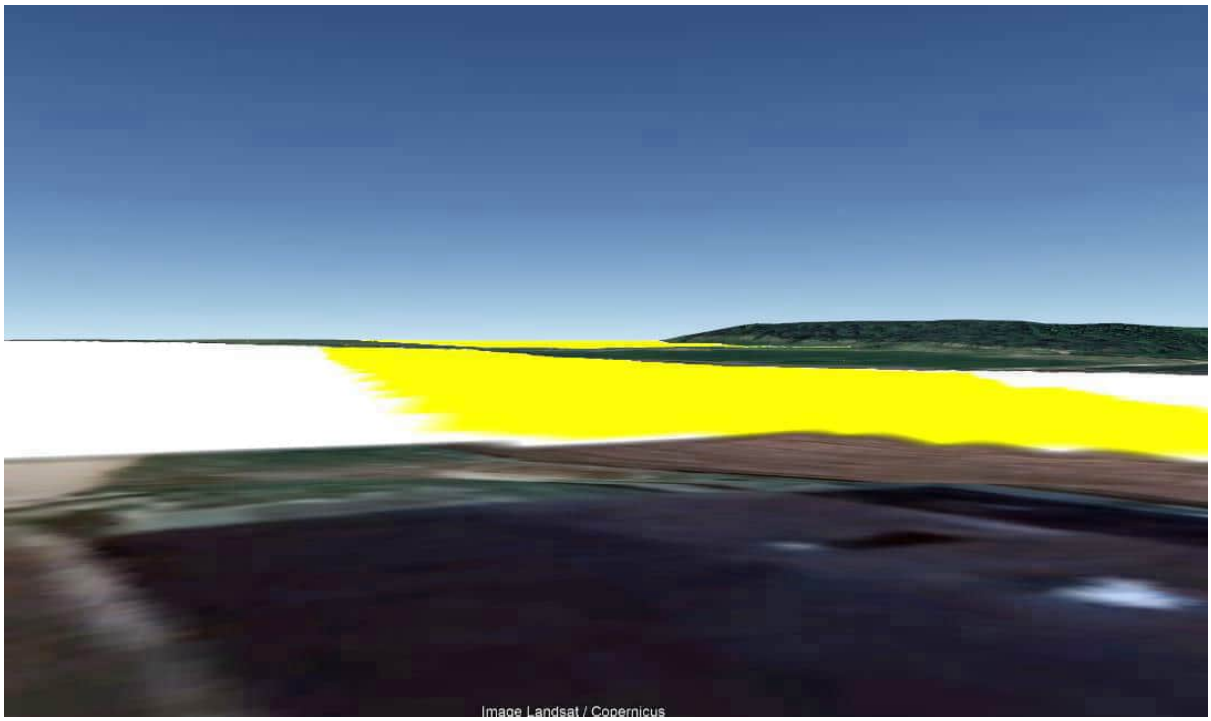
Receptor 36



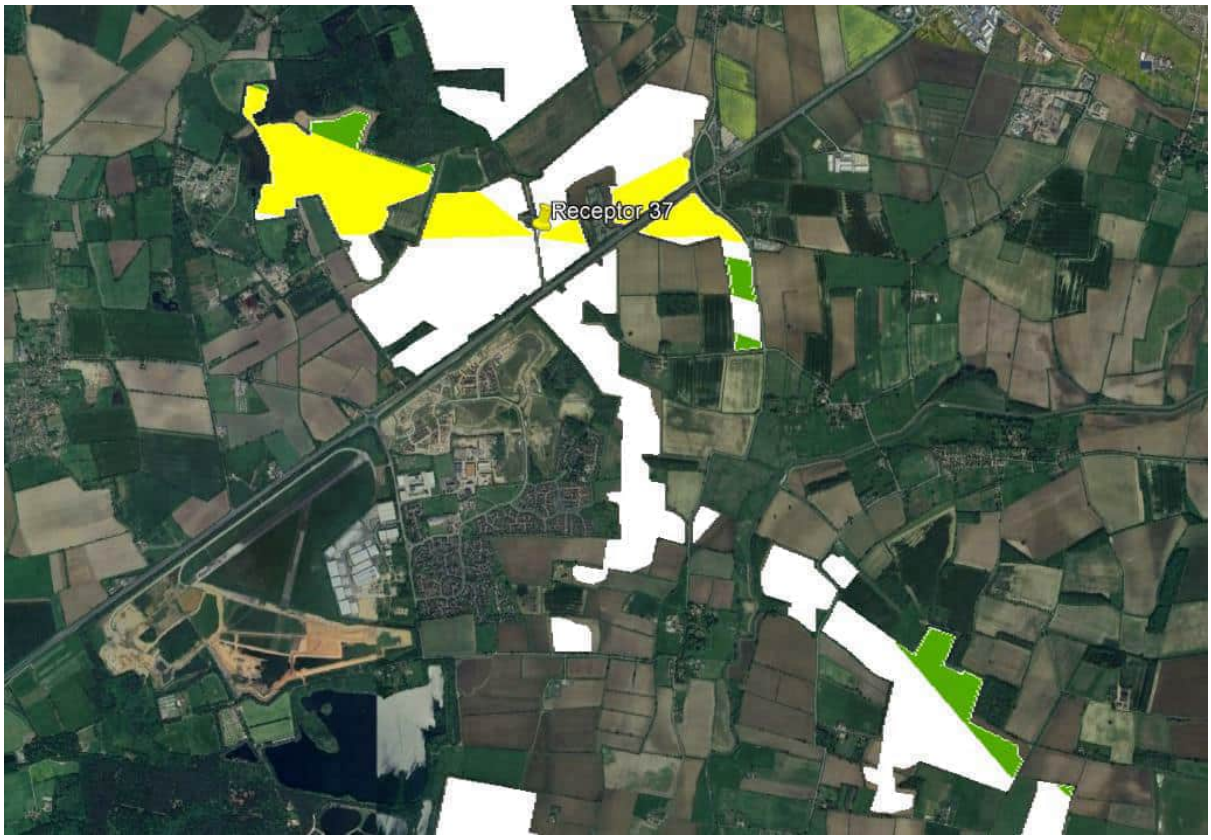
Looking East



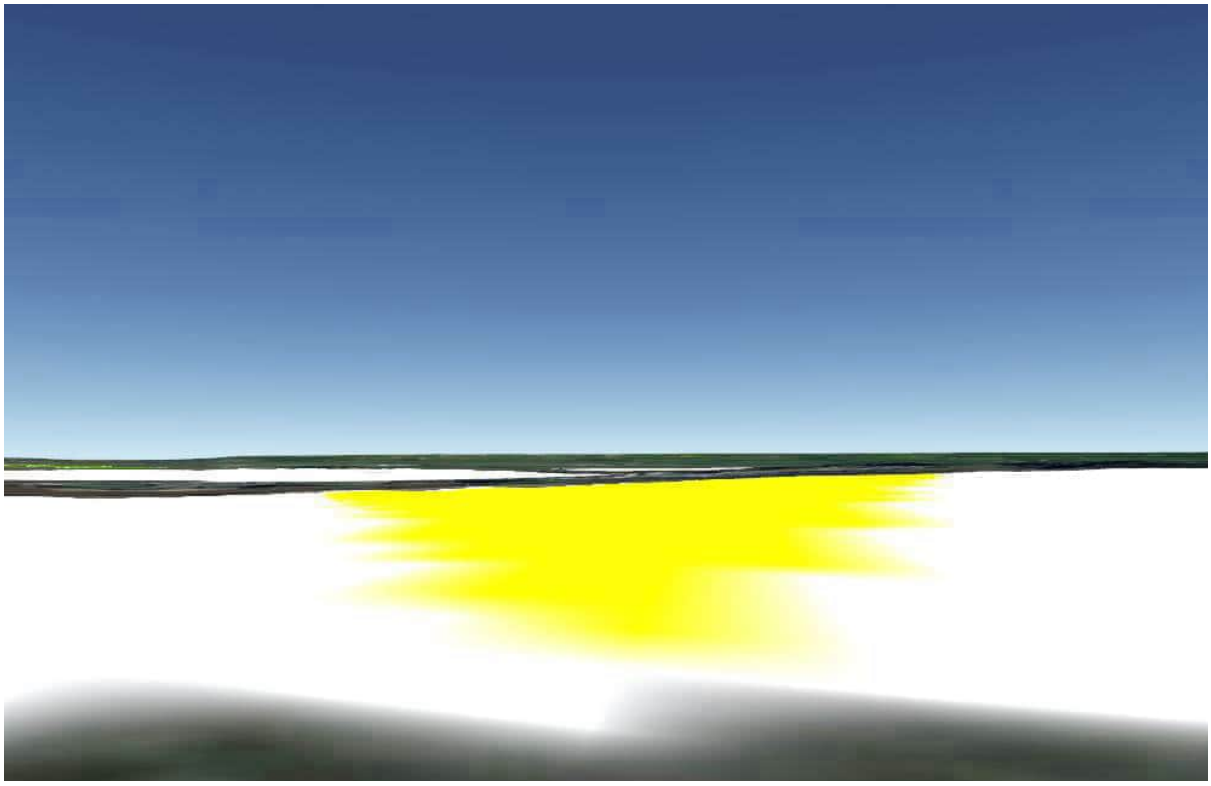
Looking West



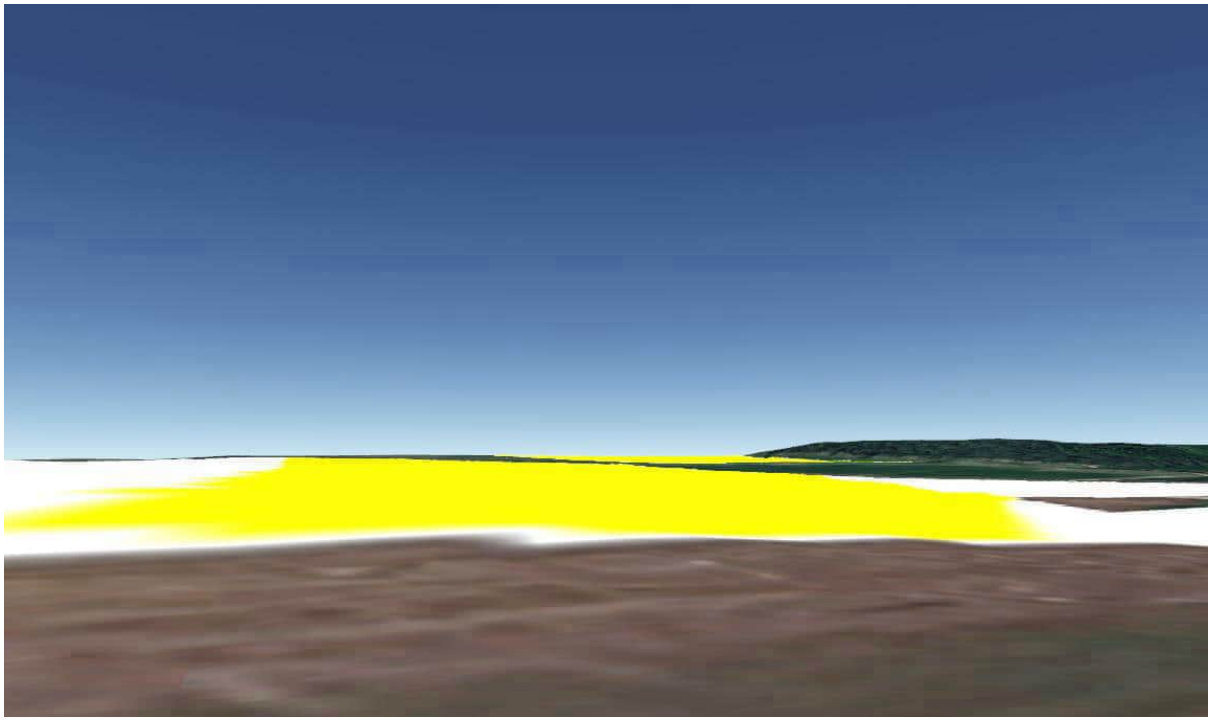
Receptor 37



Looking East

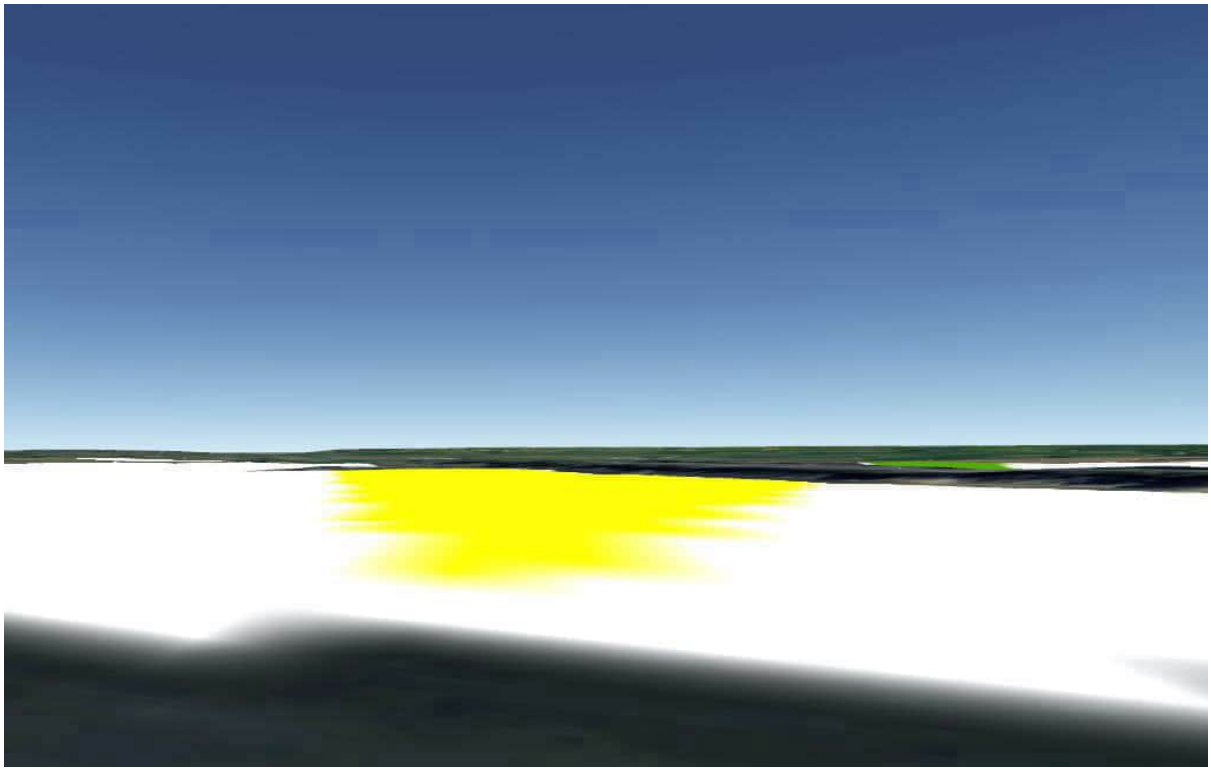


Looking West

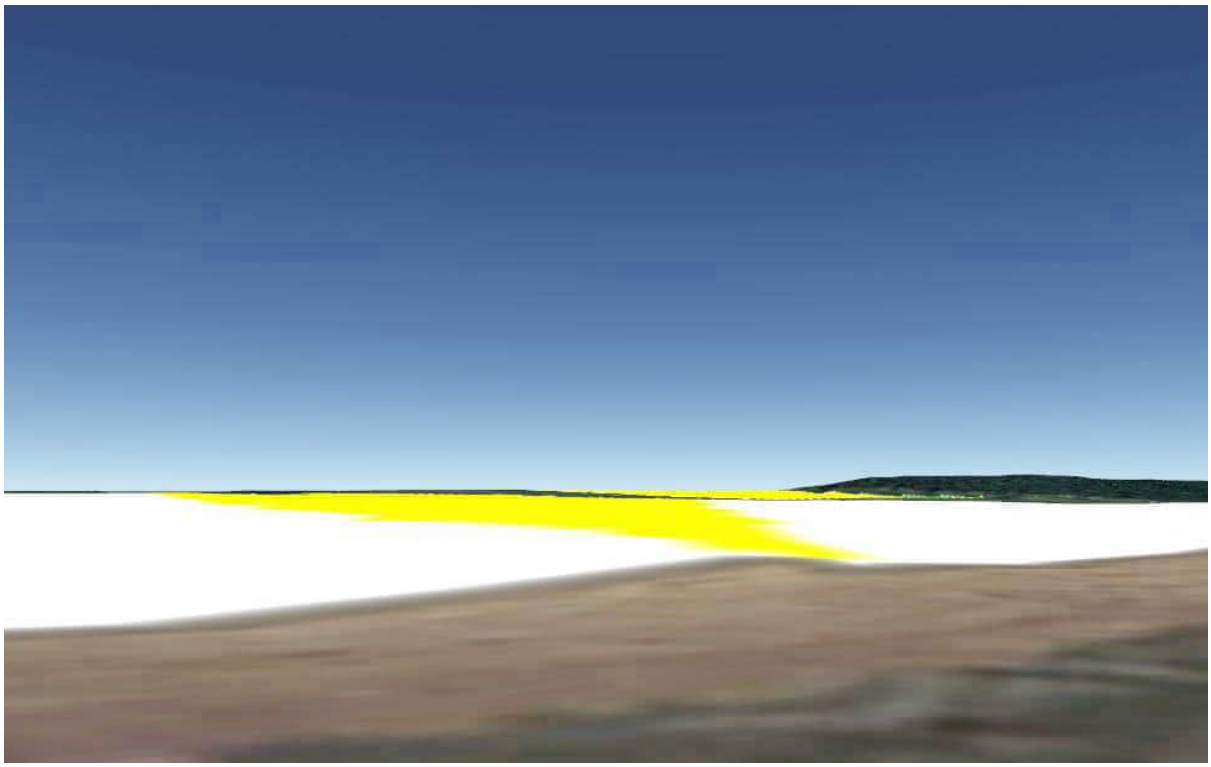


Receptor 38

Looking East

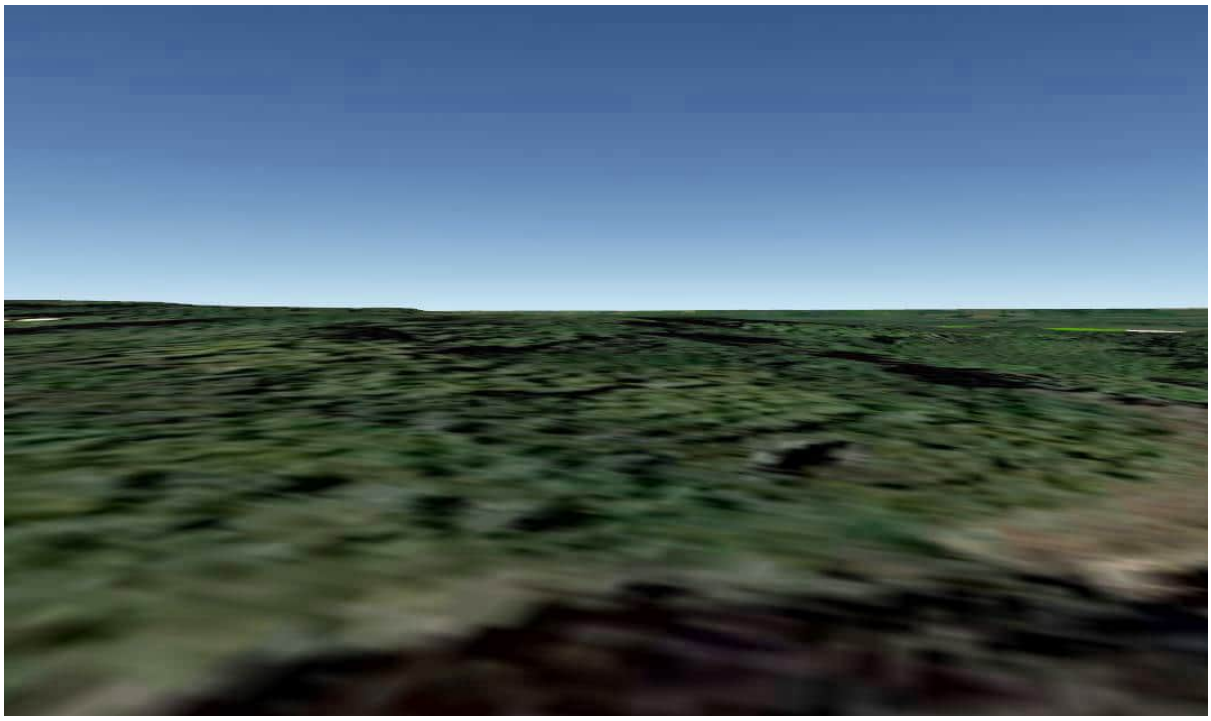


Looking West



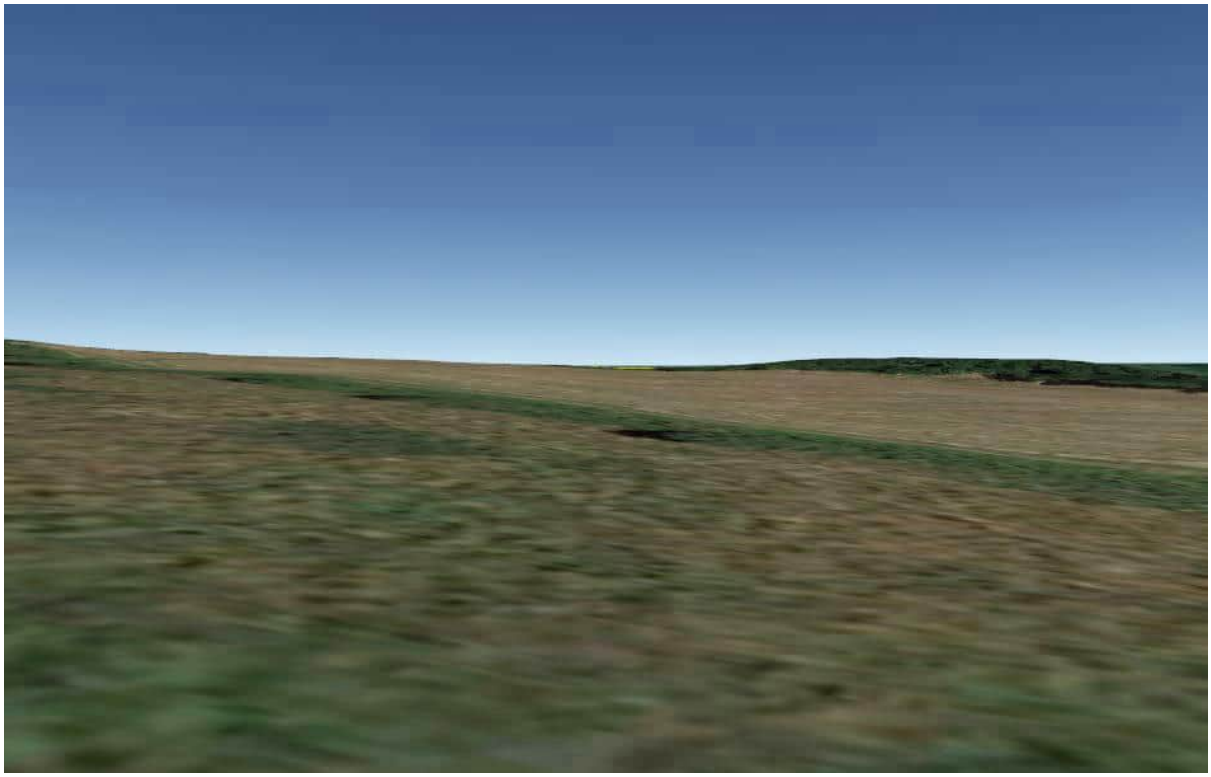
Receptor 39

Looking East



Receptor 40

Looking East



Receptor 41

Receptor 42

Receptor 43

Receptor 44

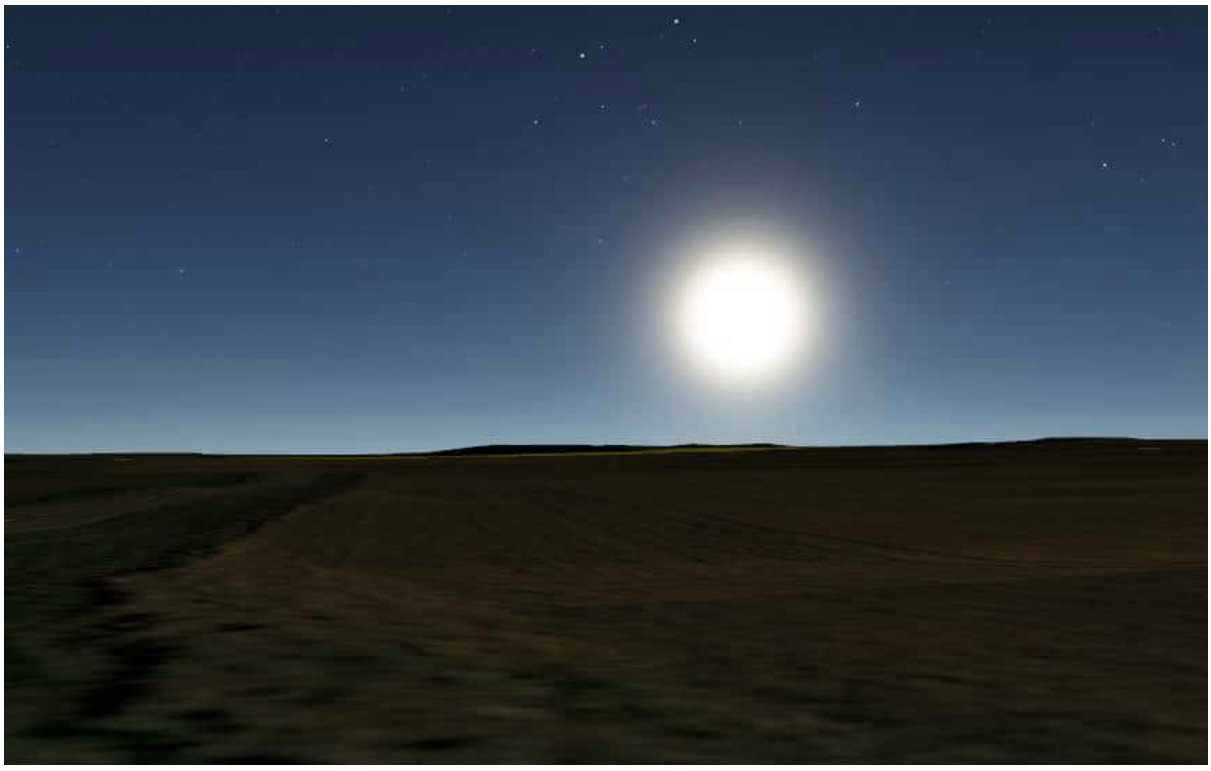
Receptor 45

Looking East

Looking West

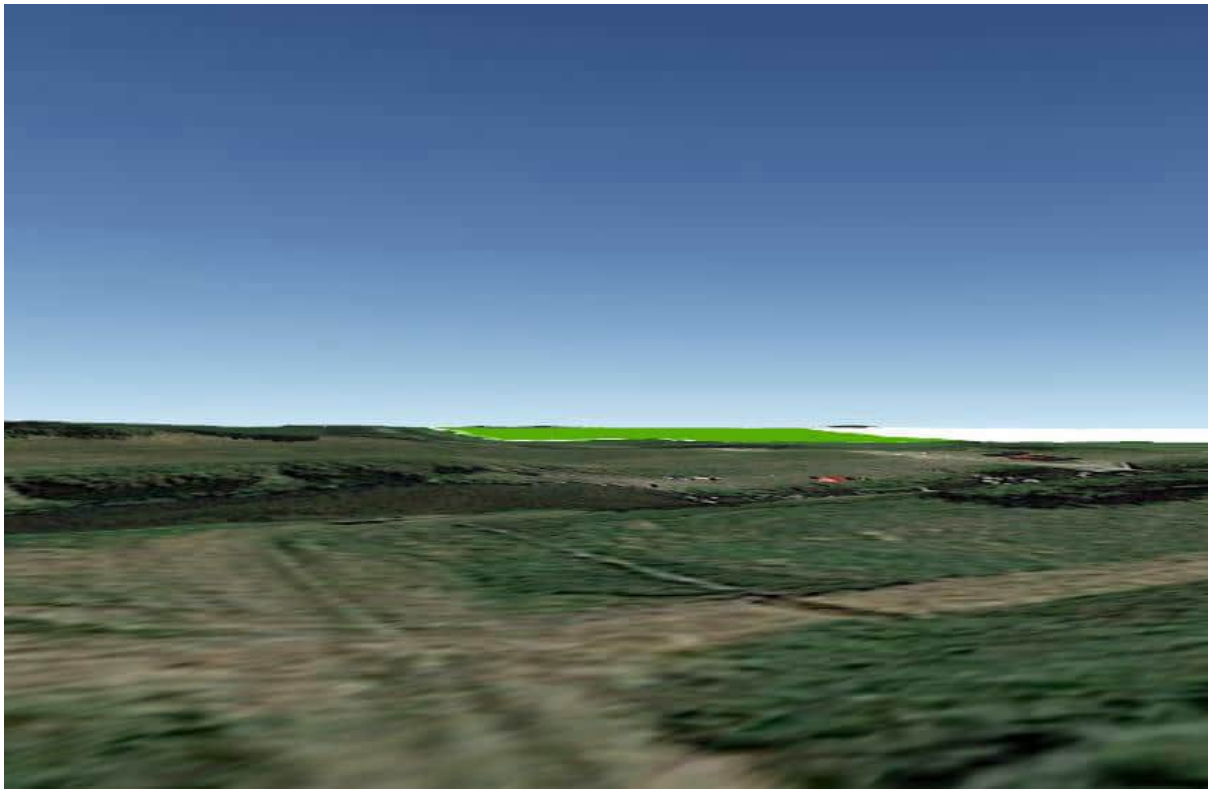
May 15th 19:00 UTC

July 1st 19:30 UTC



Receptor 46

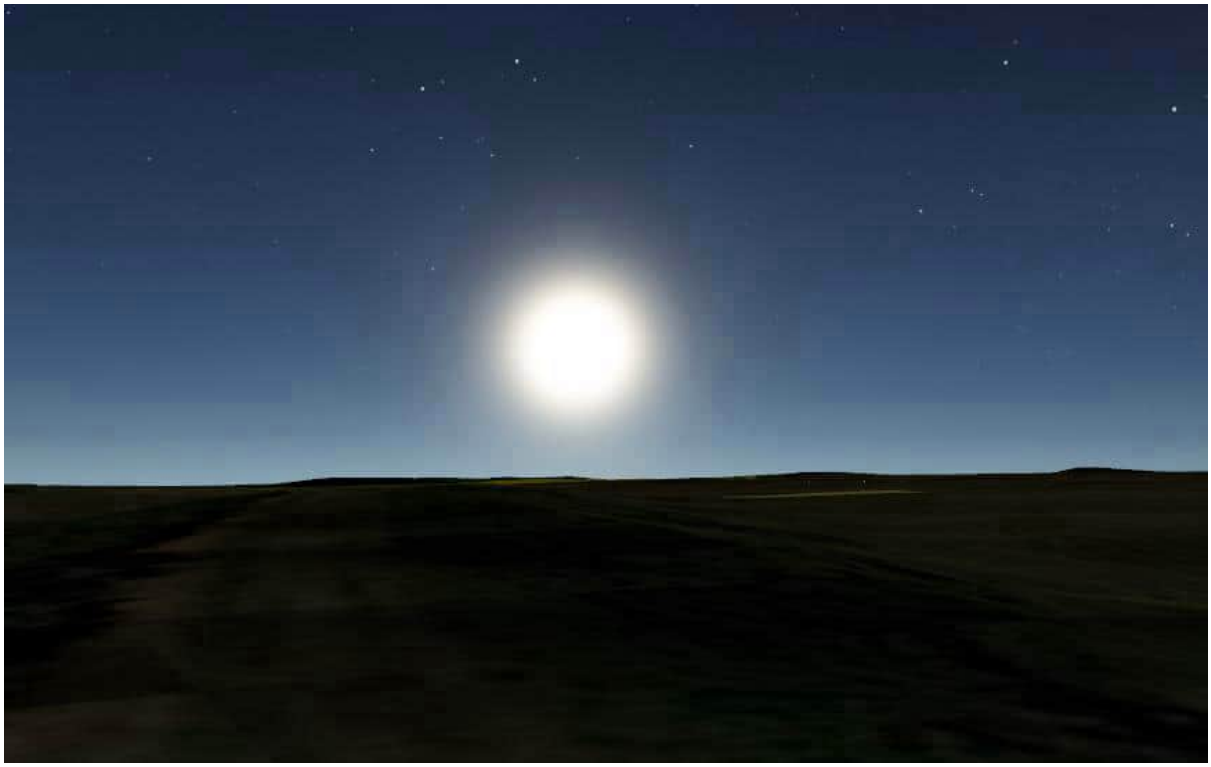
Looking Southeast



Looking West

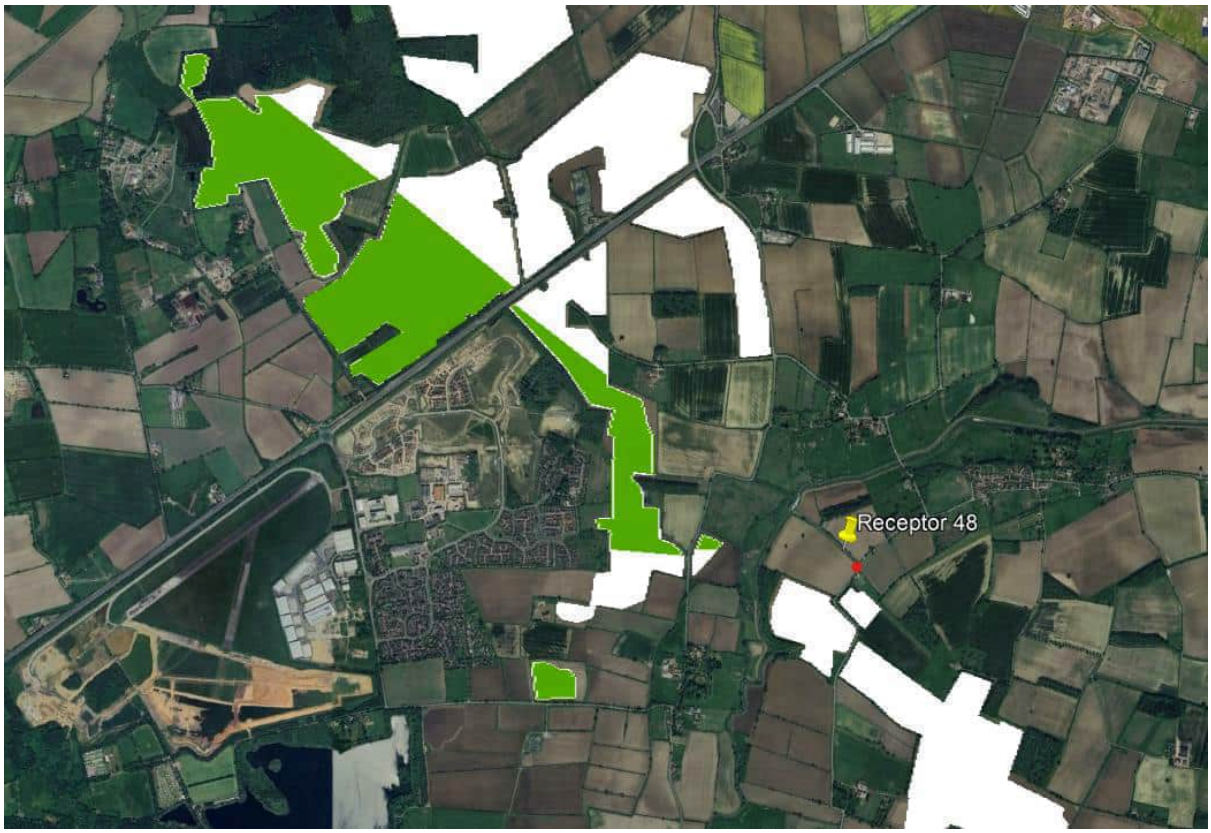
May 15th 19:00 UTC

July 1st 19:30 UTC



Receptor 47

Receptor 48



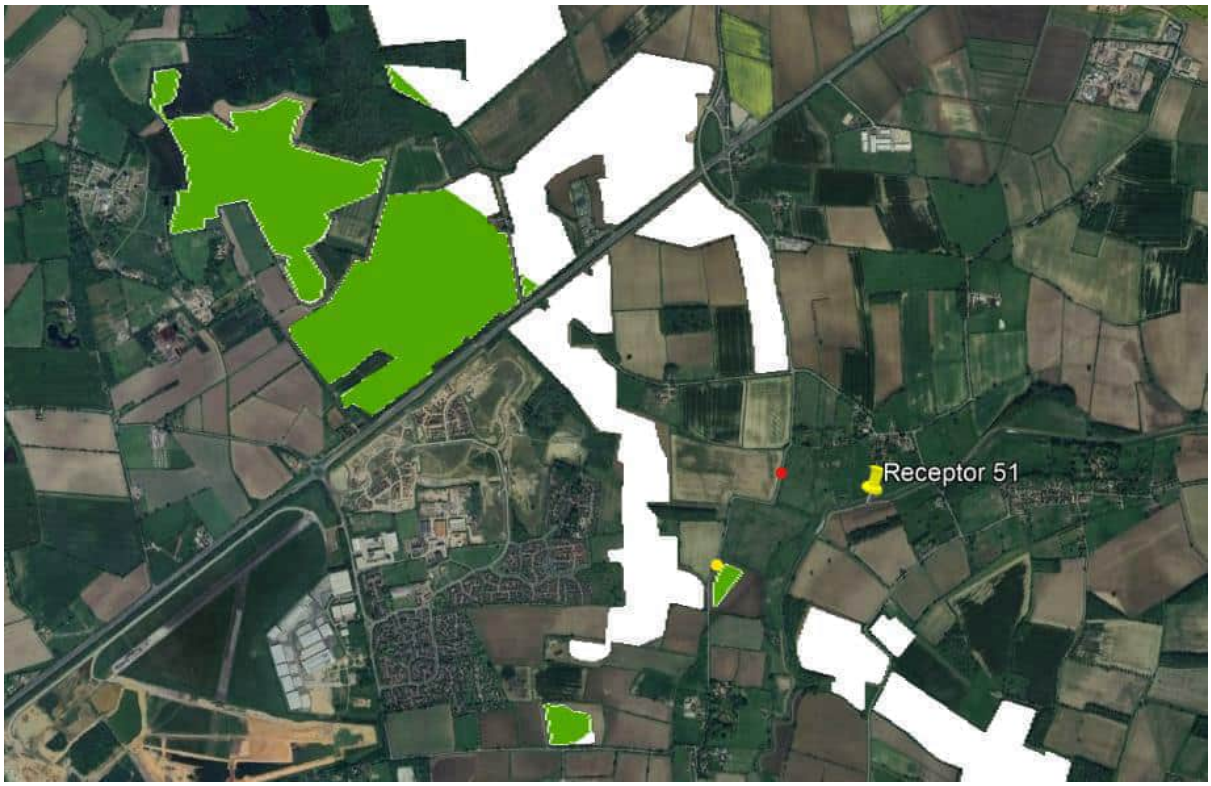
Receptor 49

Receptor 49

Bennies Britain
Images may be subject to copyright

Receptor 50

Receptor 51

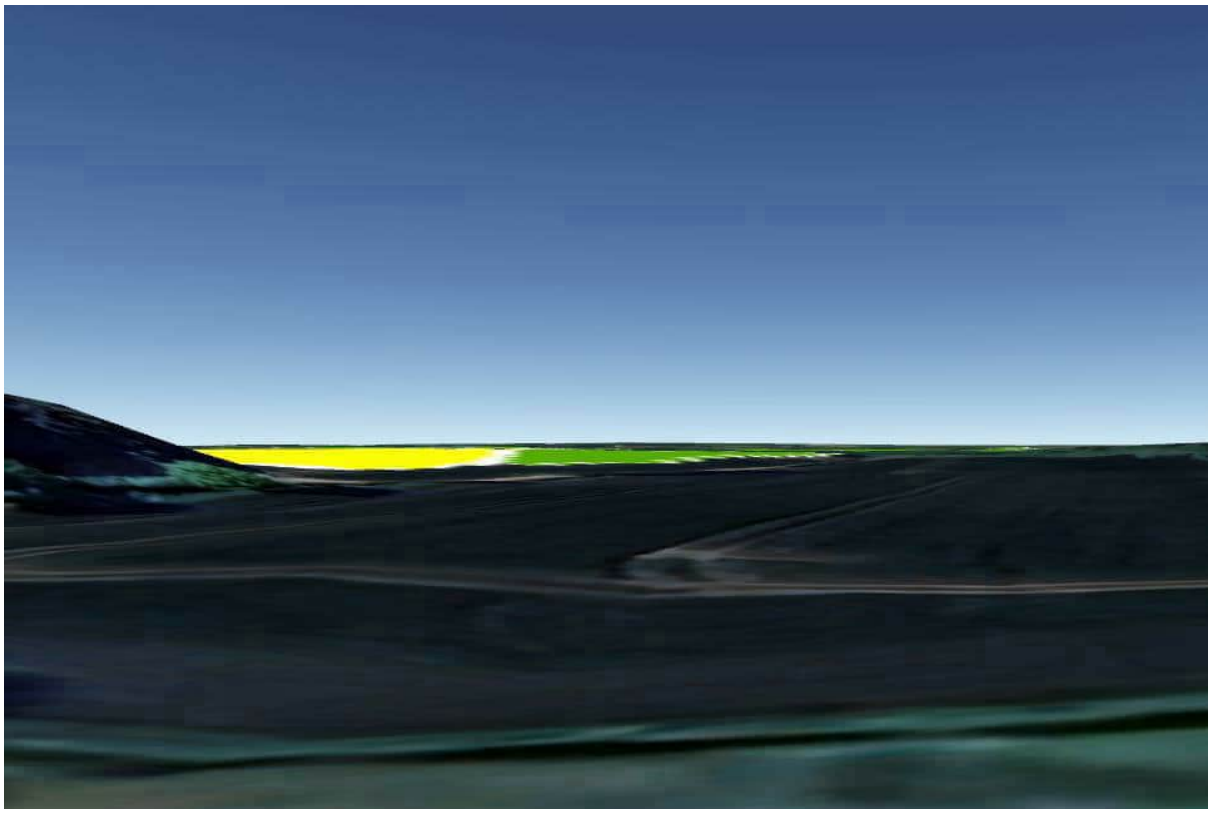


Receptor 52

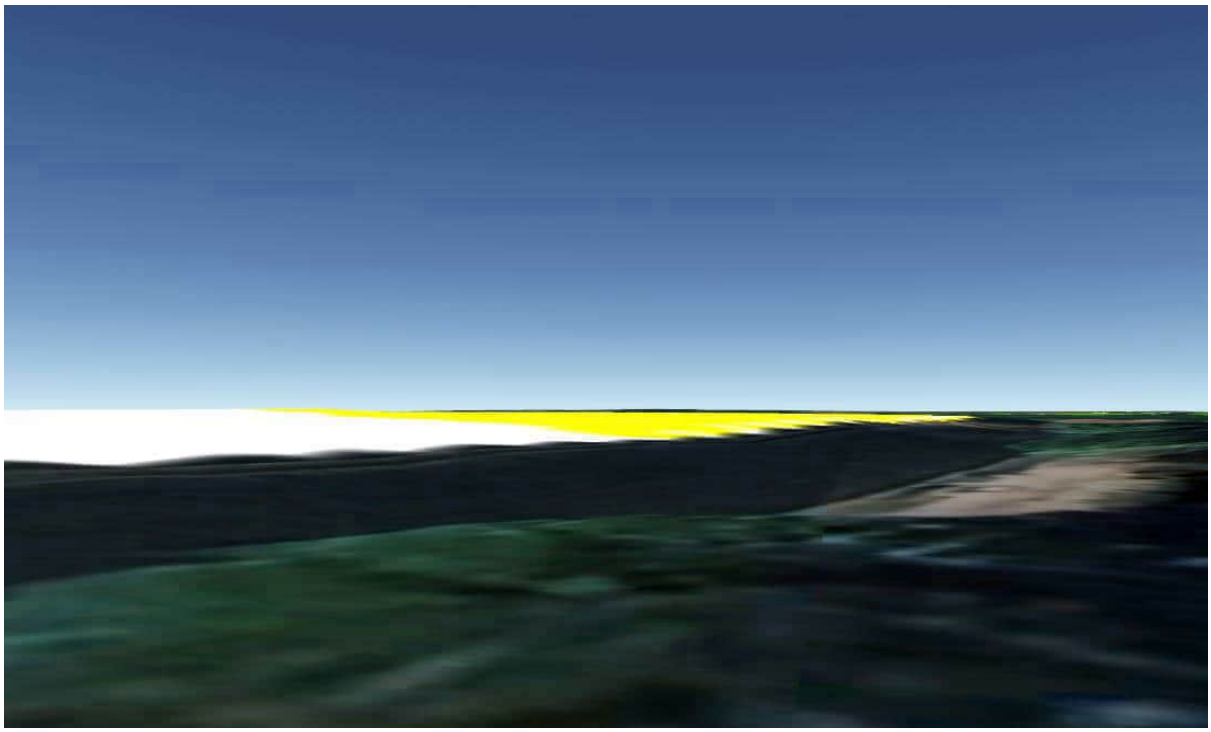
Receptor 53

Receptor 54

Looking Southwest



Receptor 55



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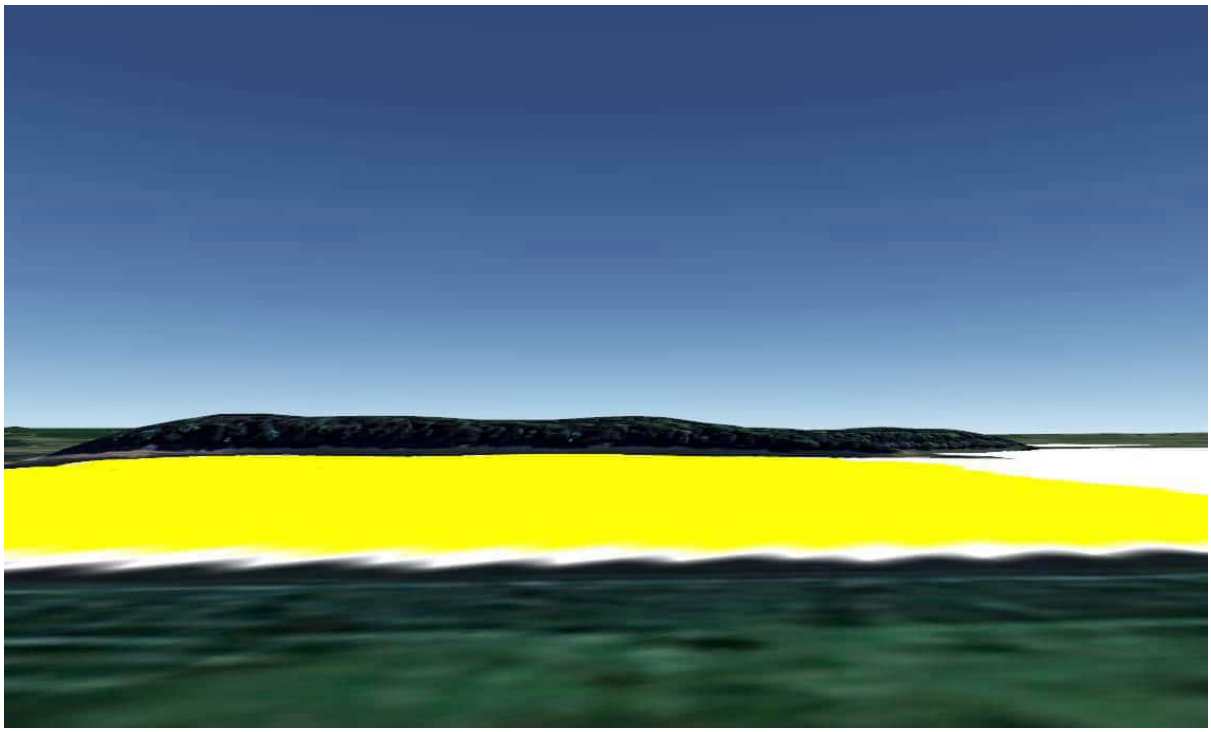


Receptor 57

Receptor 58

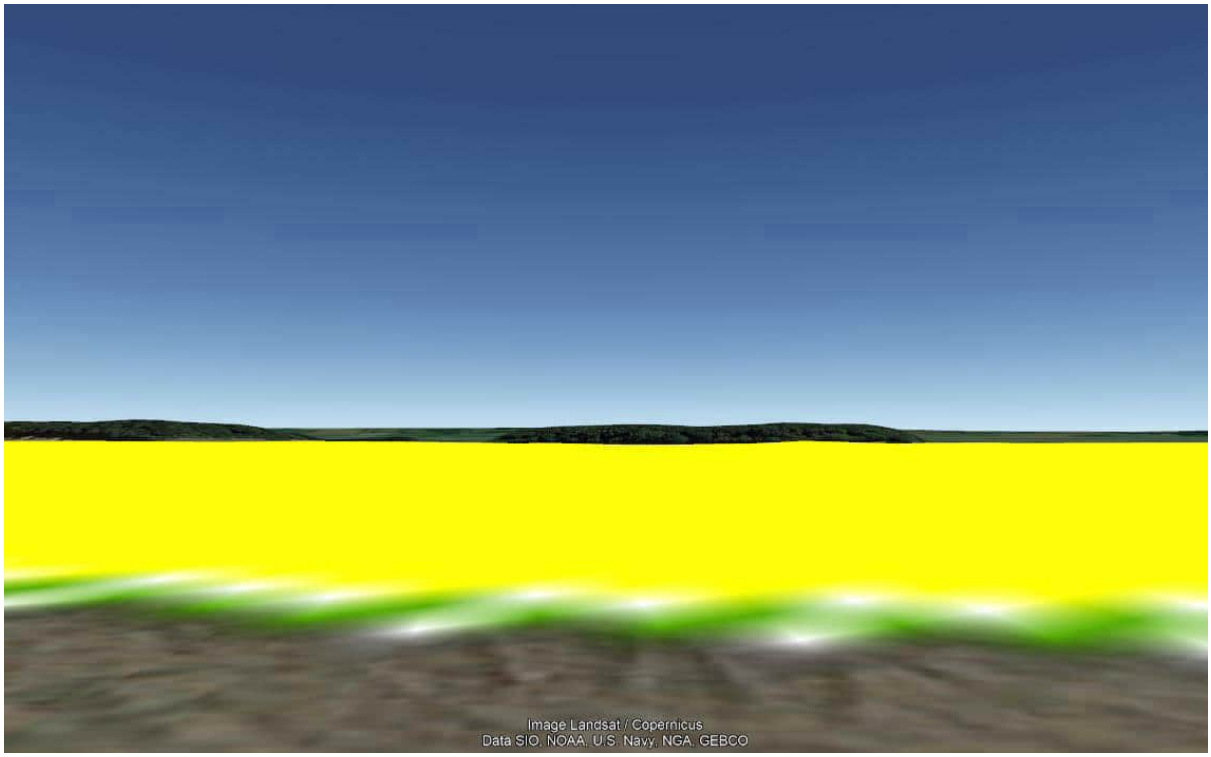
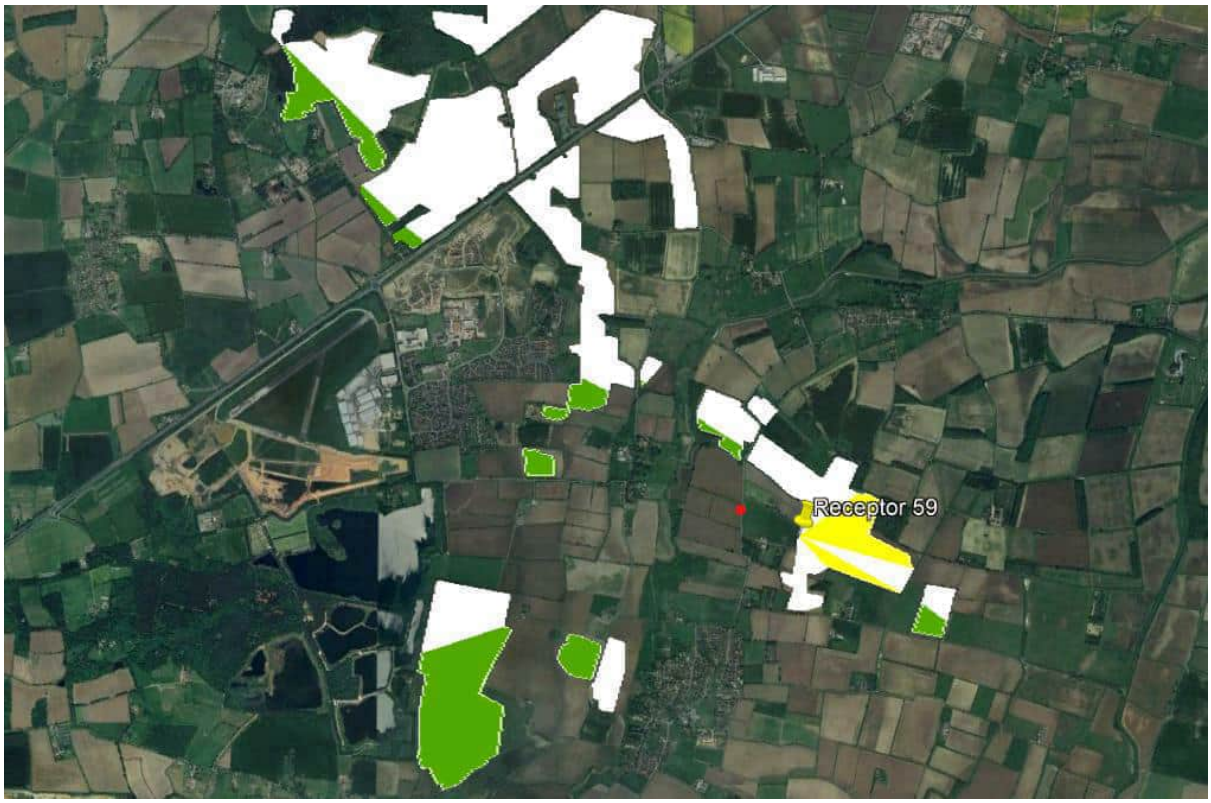


Image Landsat / Copernicus
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Receptor 59



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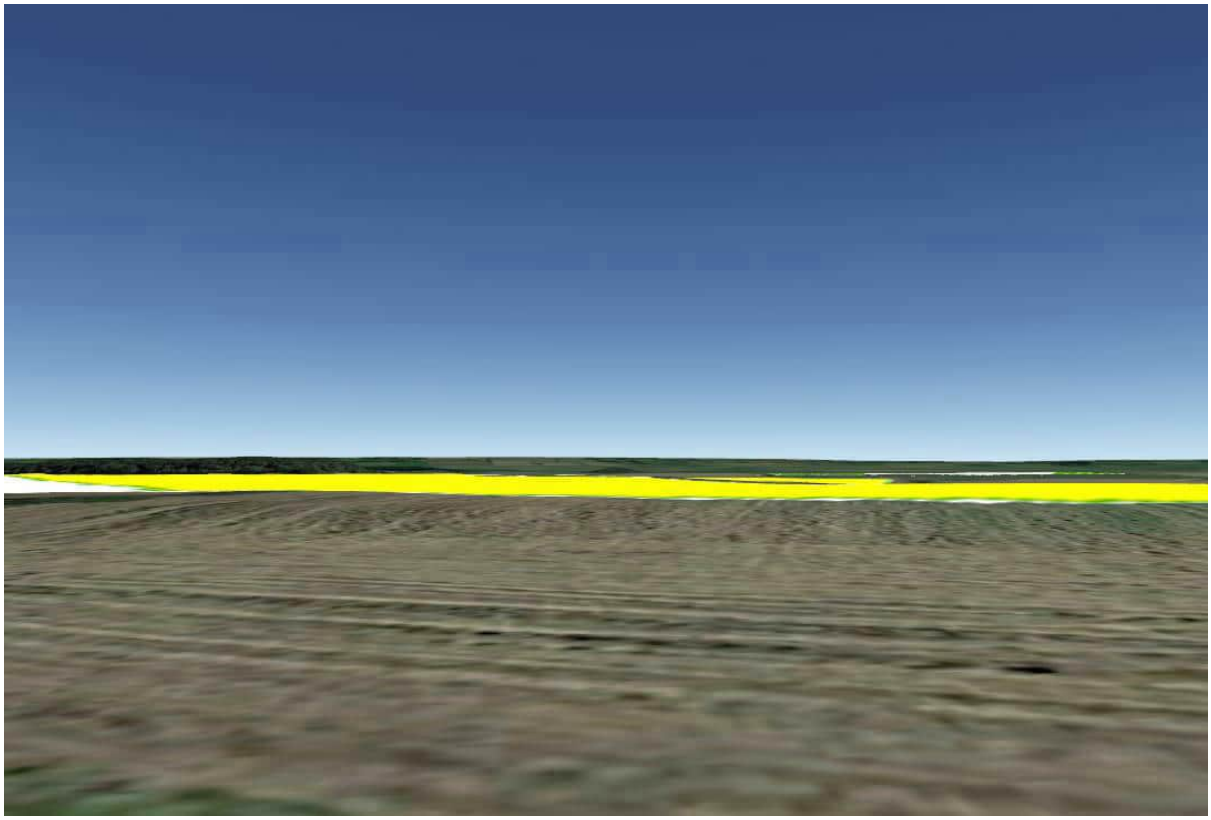

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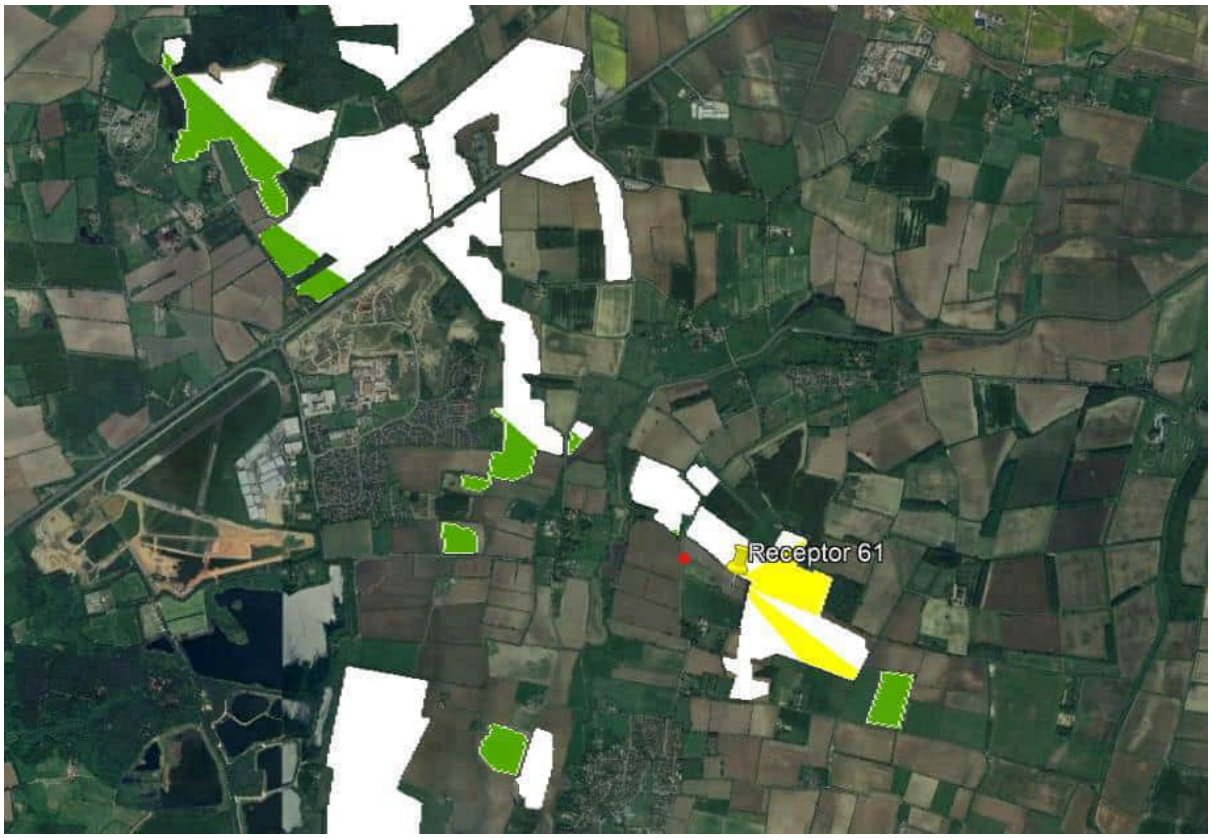
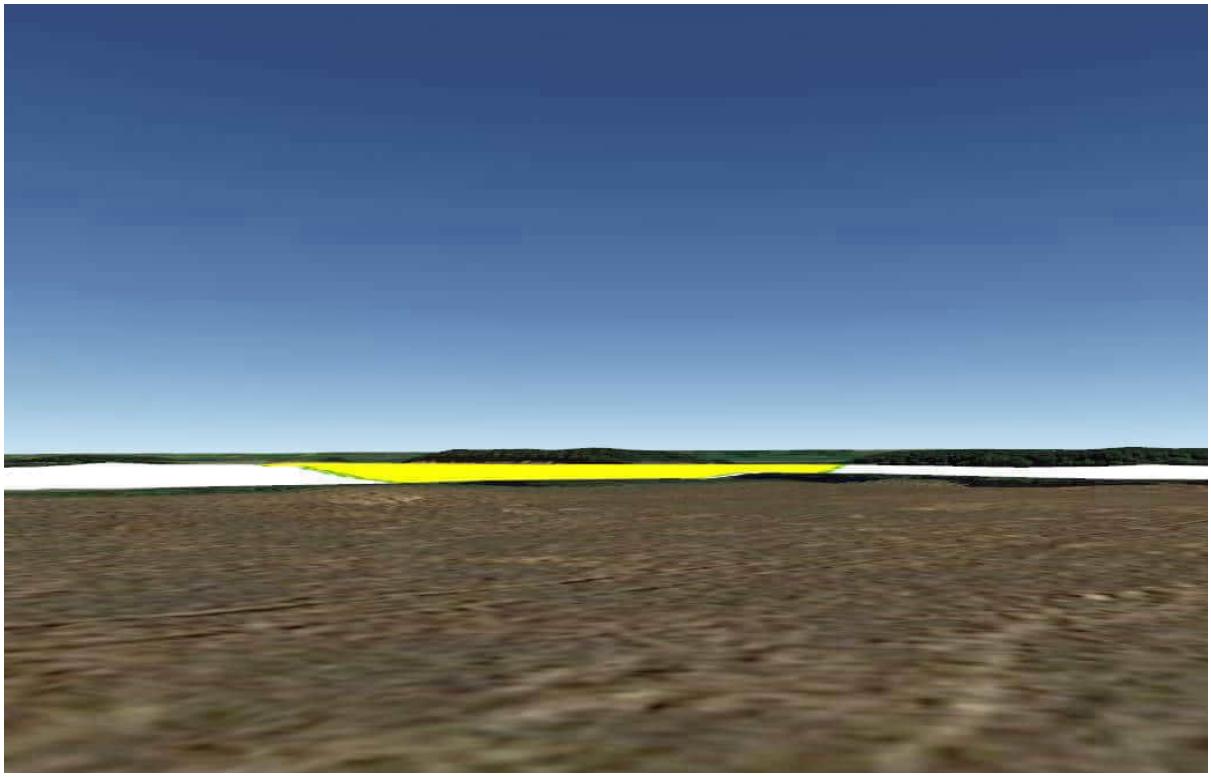




Receptor 62

Looking East

Looking West

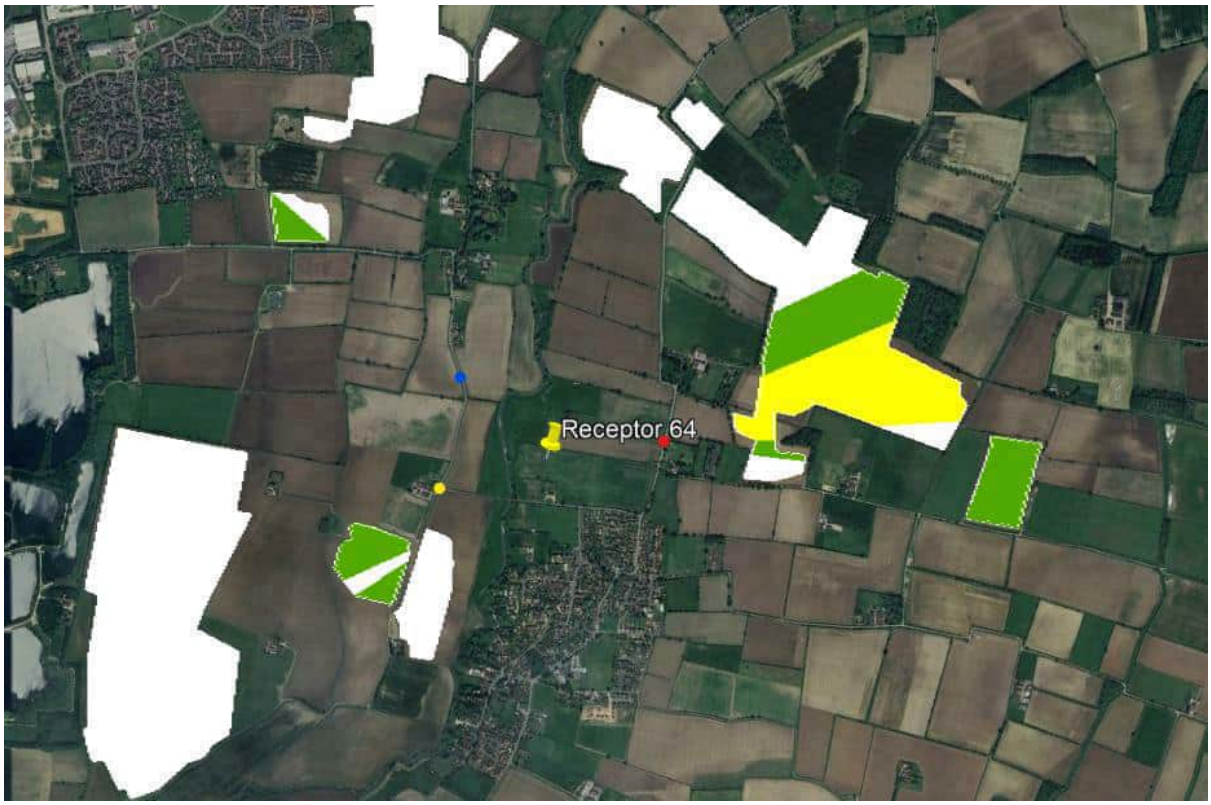
Receptor 63

Looking East

Looking North

Looking Northeast

Receptor 64



Looking East

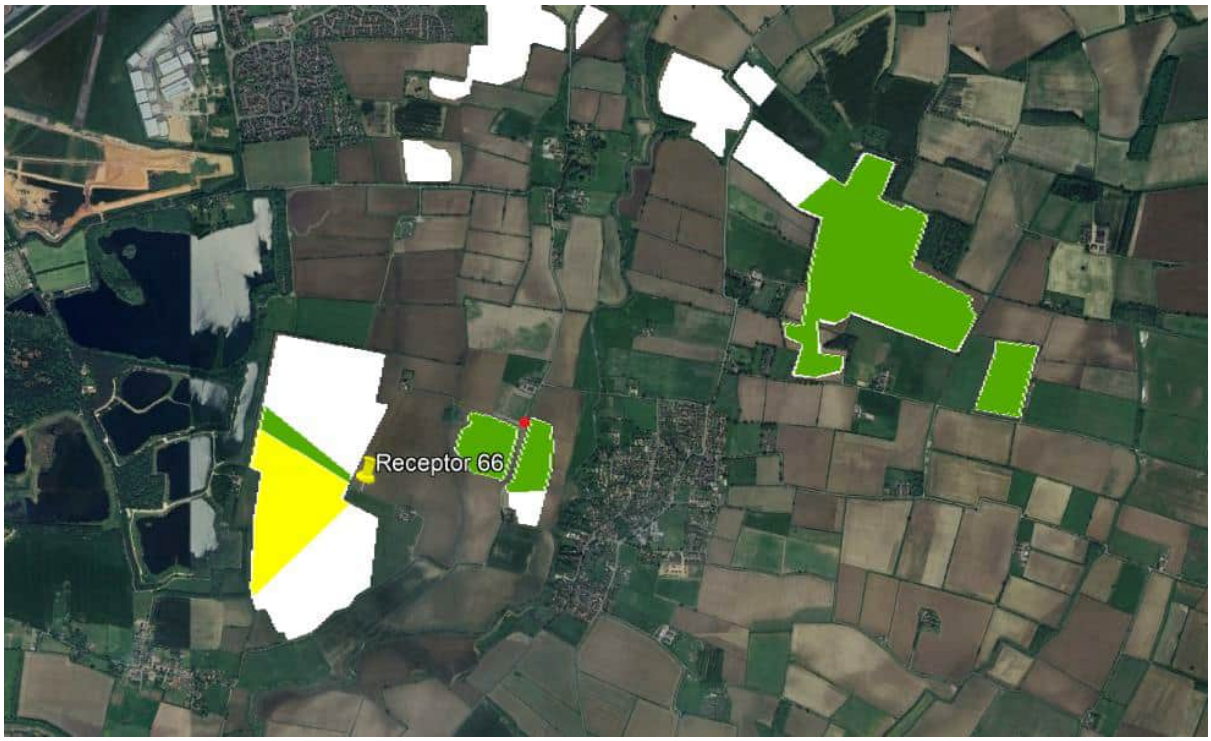
Looking Northeast

Looking North

Receptor 65

Looking West

Receptor 66



Looking East

Looking West

Receptor 67

Looking East

Looking West

Receptor 68

Looking East

Looking West

Receptor 69

Looking East

Looking West

Receptor 70

Looking East

Looking West

Receptor 71

Looking East

Looking West

Receptor 72

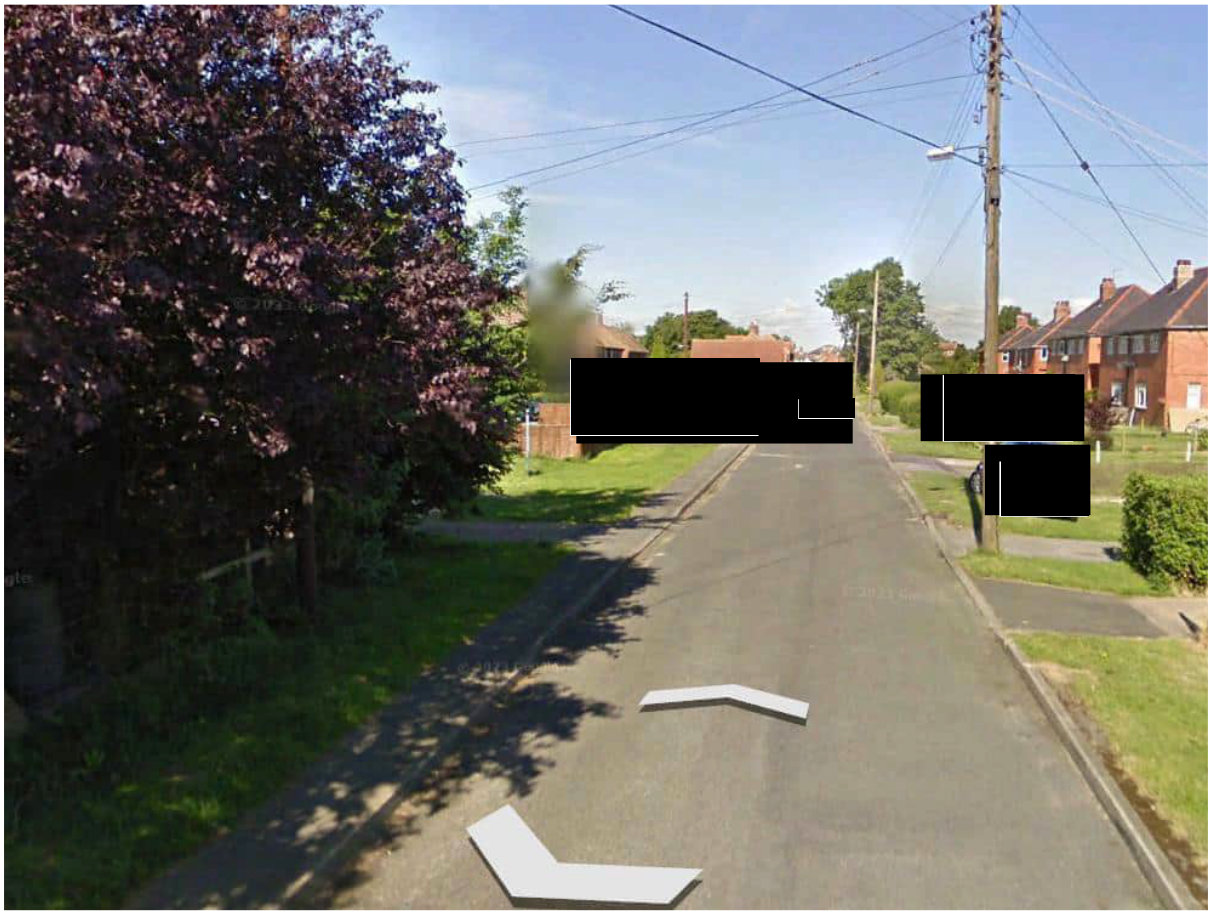
Looking East

Looking West

Receptor 73

Looking East

Looking West



Receptor 74

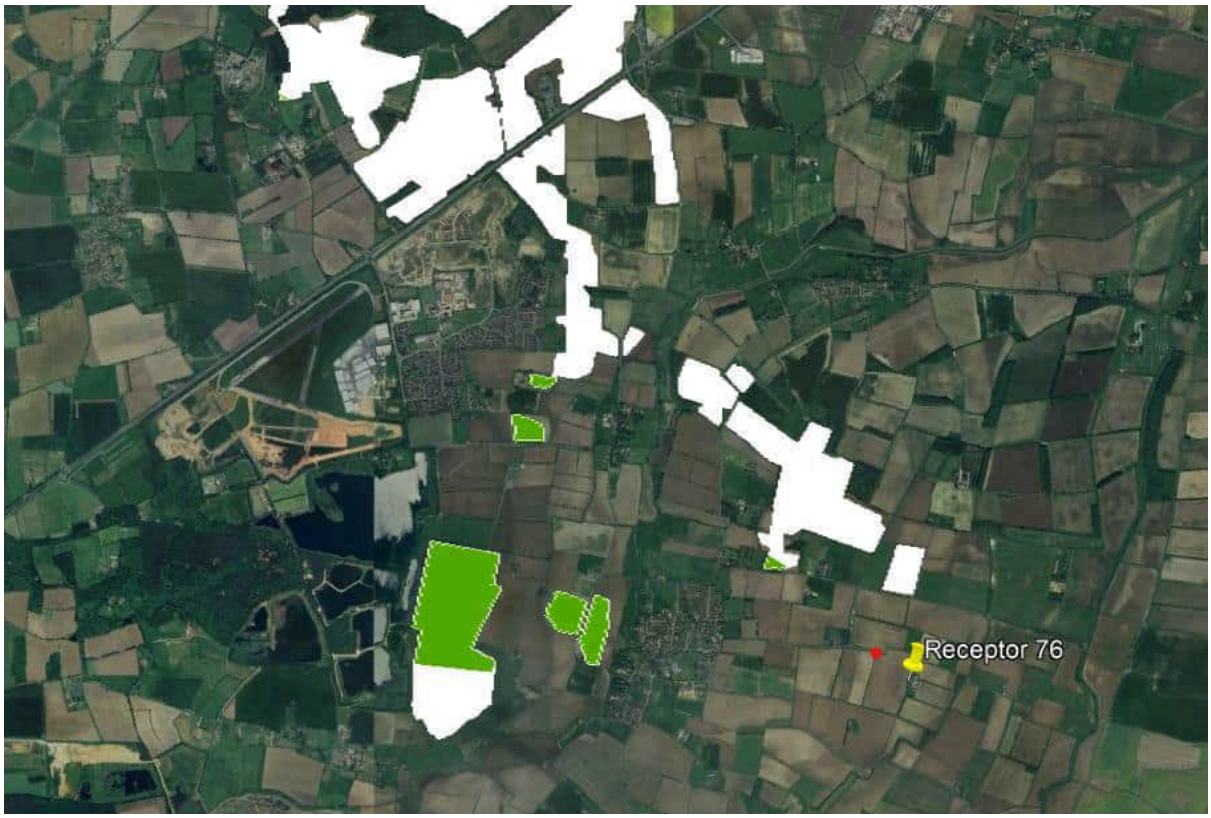
Looking West

Receptor 75

Looking Northeast

Looking Southwest

Receptor 76



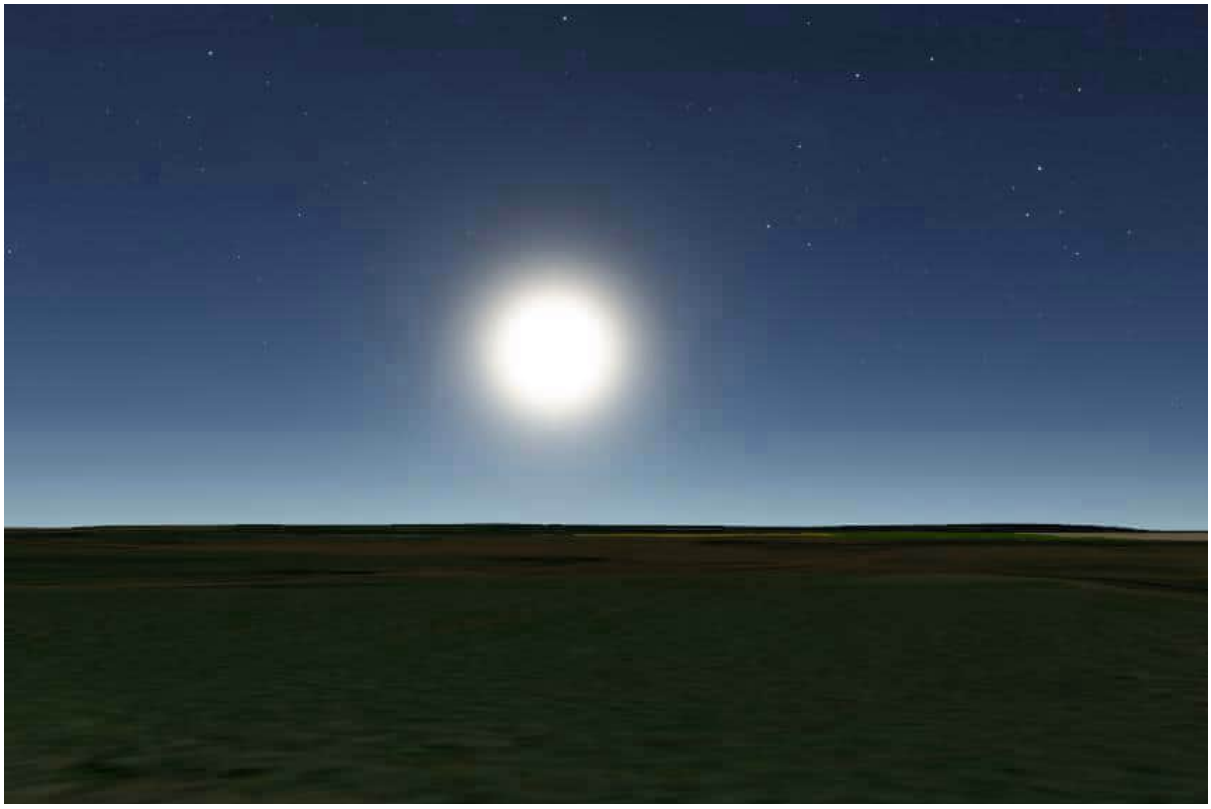
Receptor 77

Receptor 78

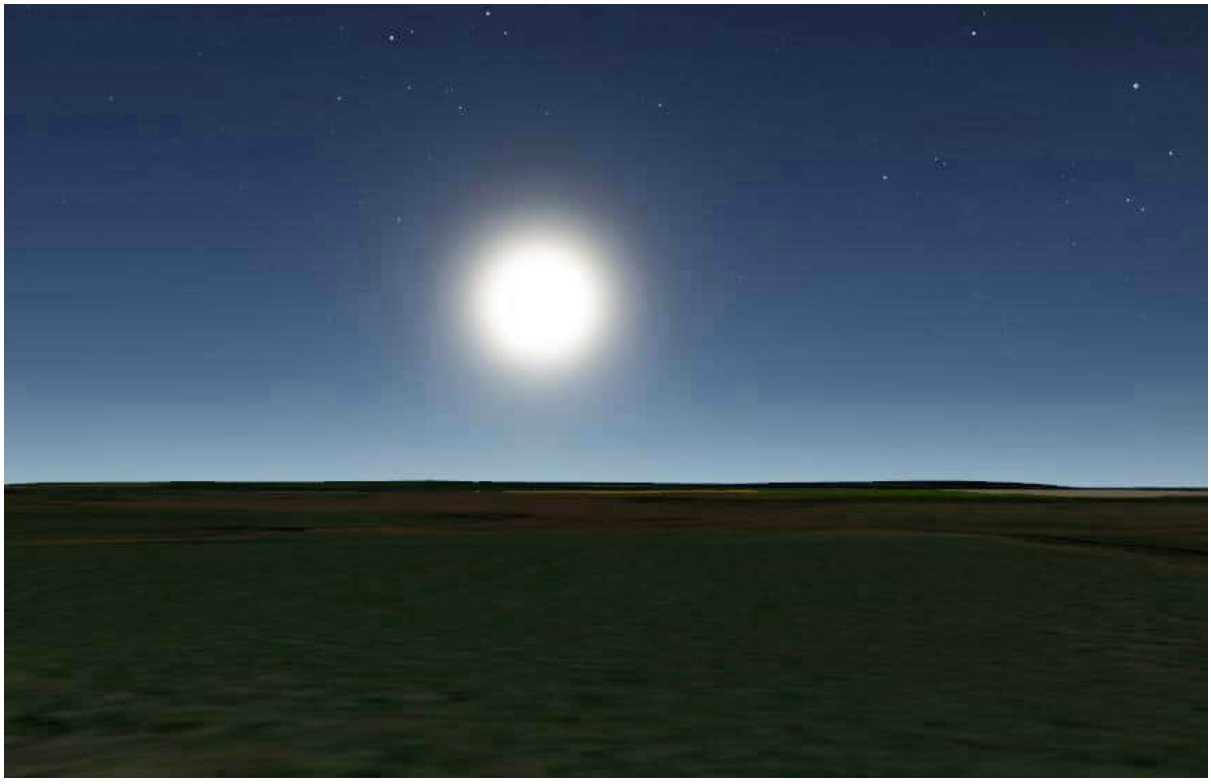
Looking East

Looking West

May 25th 19:00 UTC



July 1st 19:15 UTC



Receptor 79

Aviation Receptors

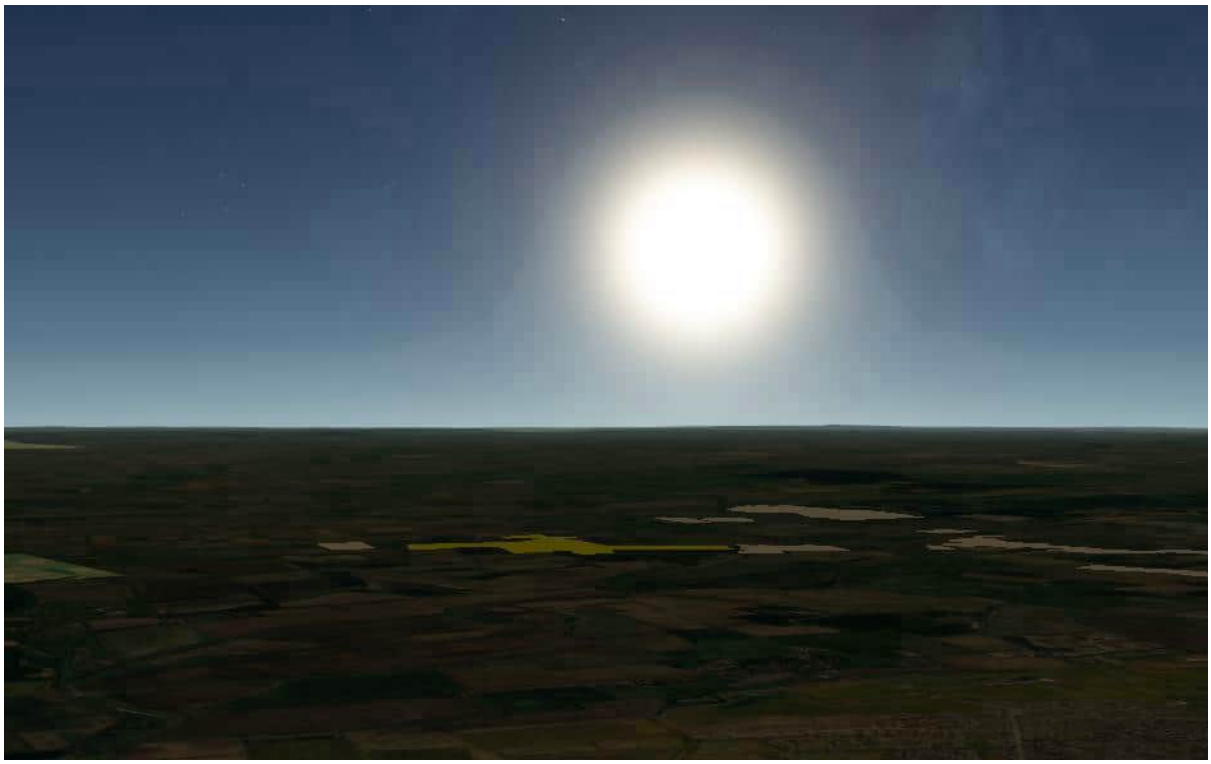
RAF Waddington

Circuit Path East

April 1st 17:45 UTC

July 1st 18:30 UTC

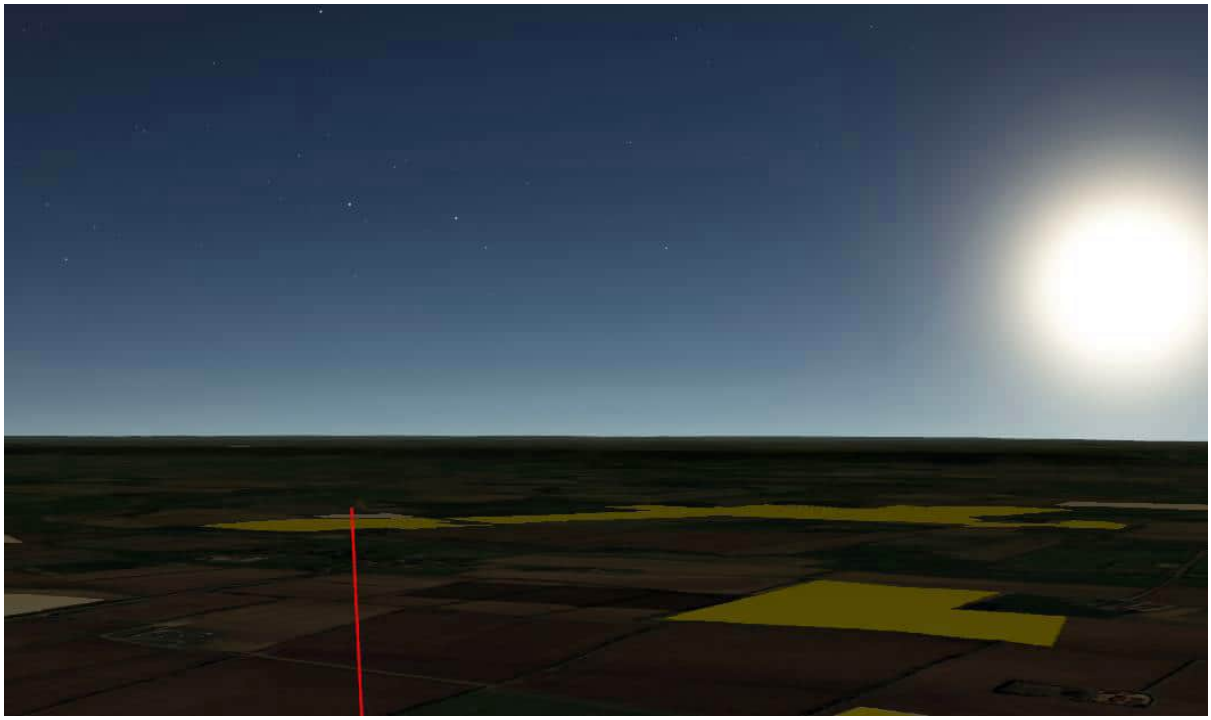
January 1st 15:00 UTC



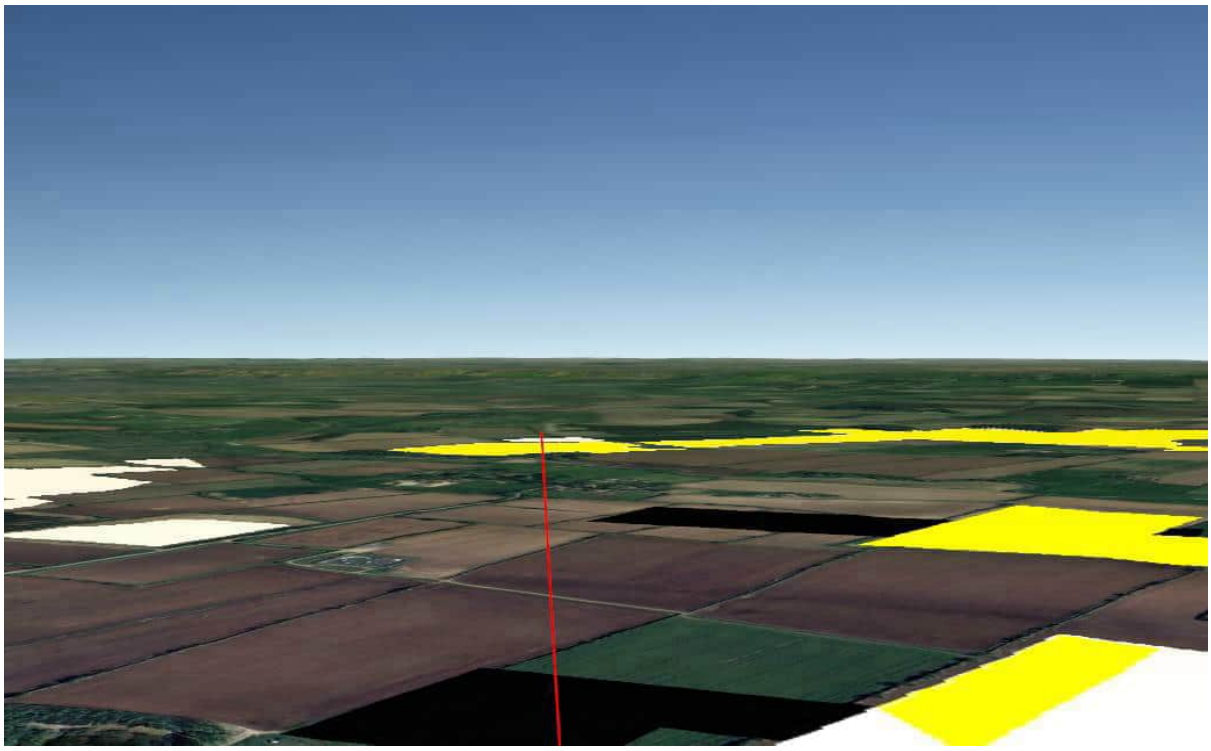
Peacocks Farm

Runway 06 Approach

April 1stth 06:15 UTC

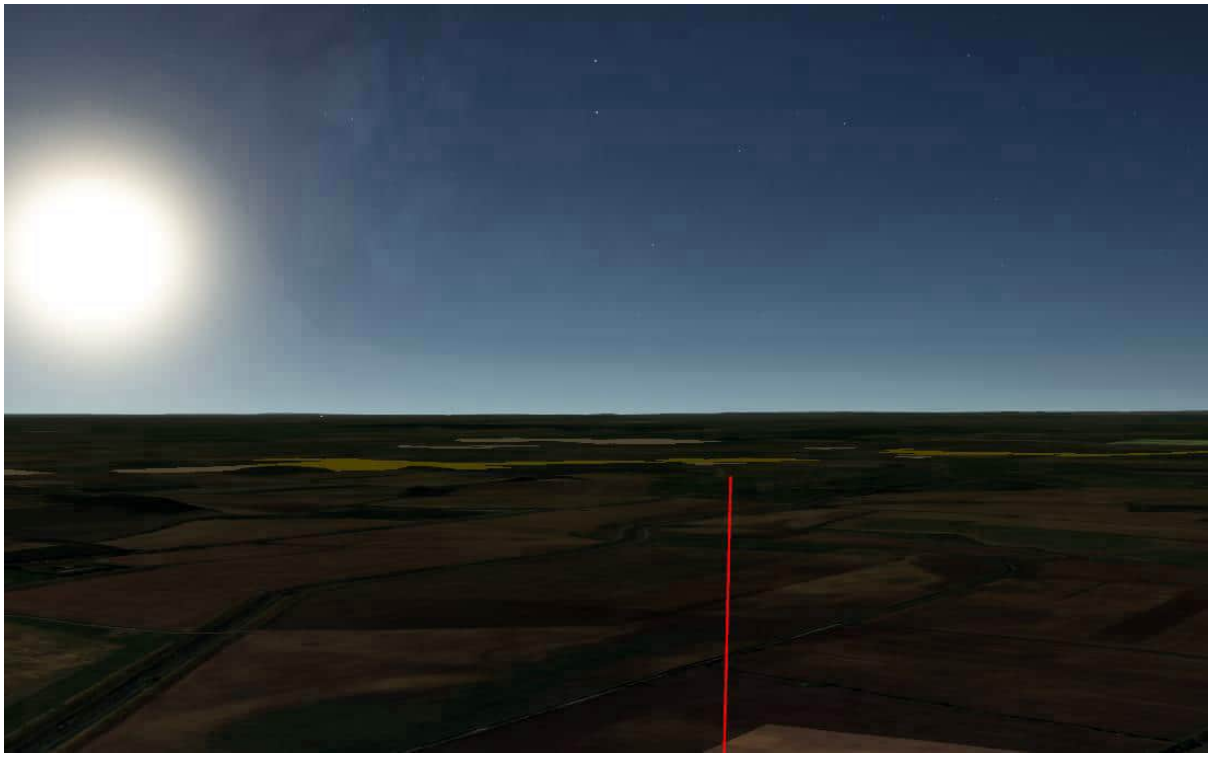


July 1st 07:00 UTC

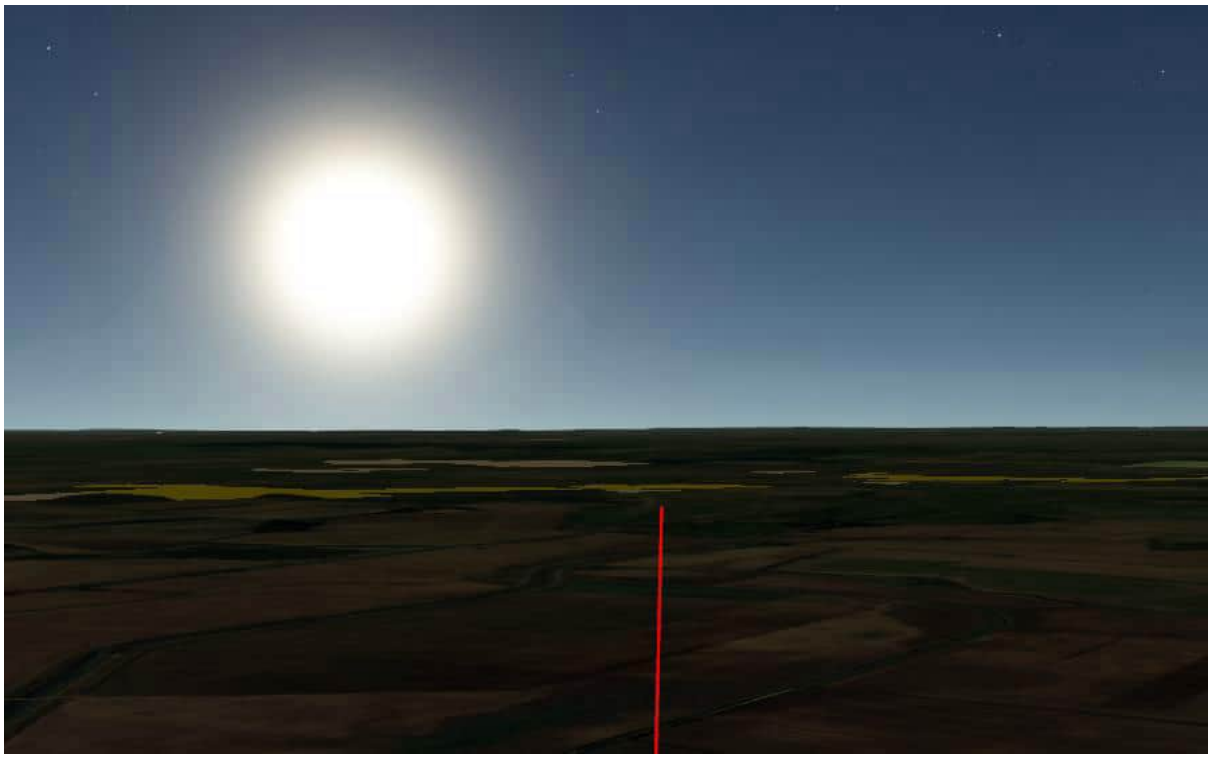


Runway 24 Approach

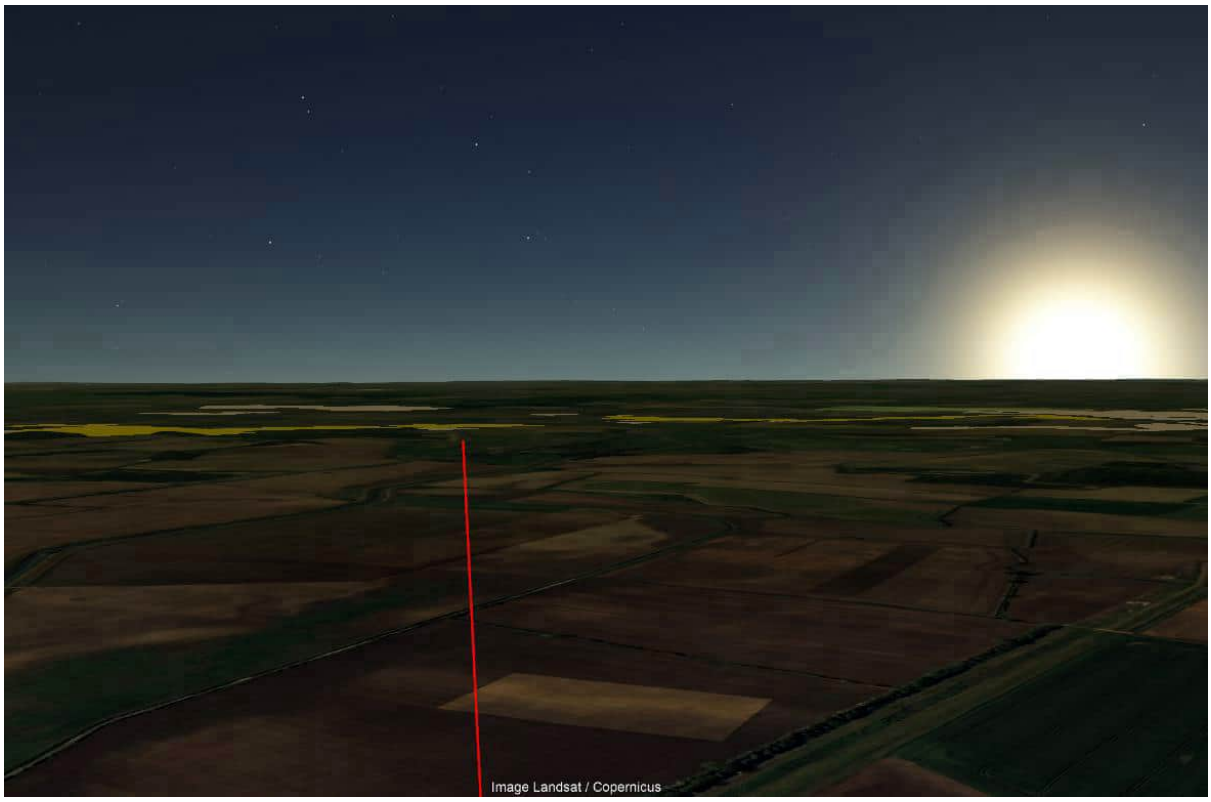
January 1st 15:00 UTC



February 1st 16:00 UTC



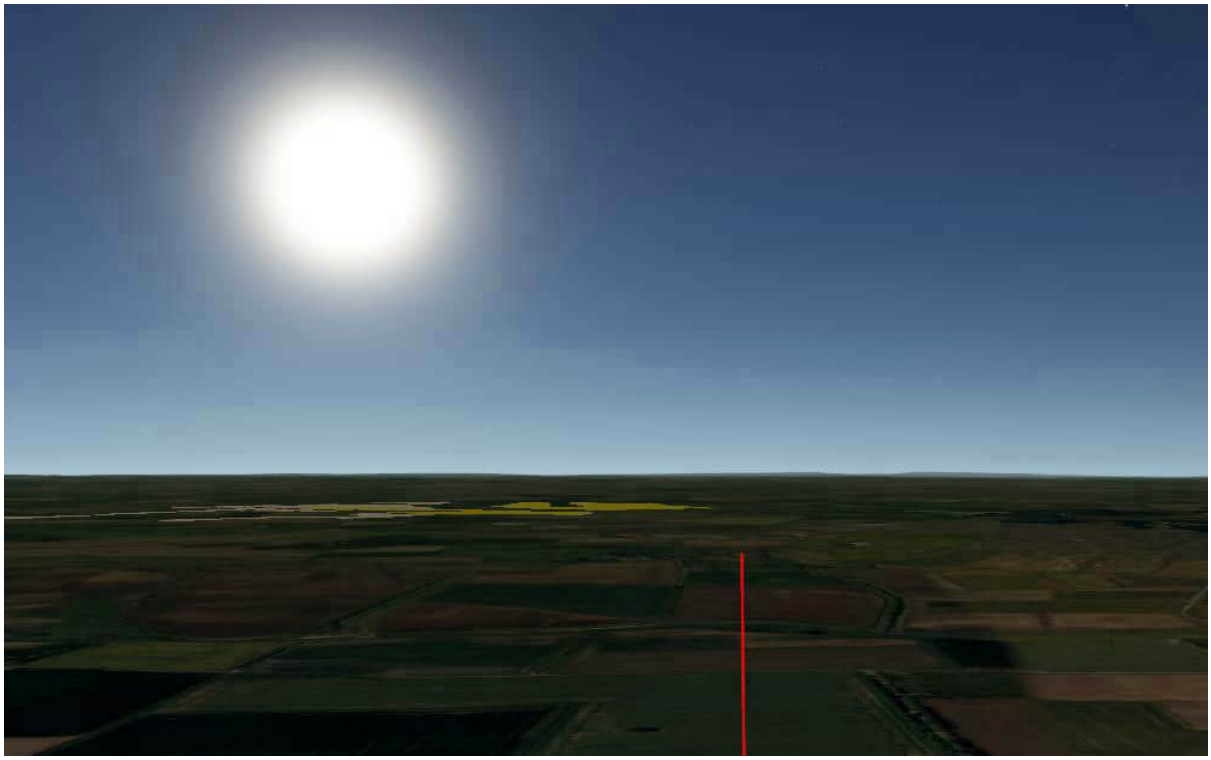
March 15th 18:00 UTC



South Hykeham Airfield

Runway 28 Approach

April 10th 17:45 UTC



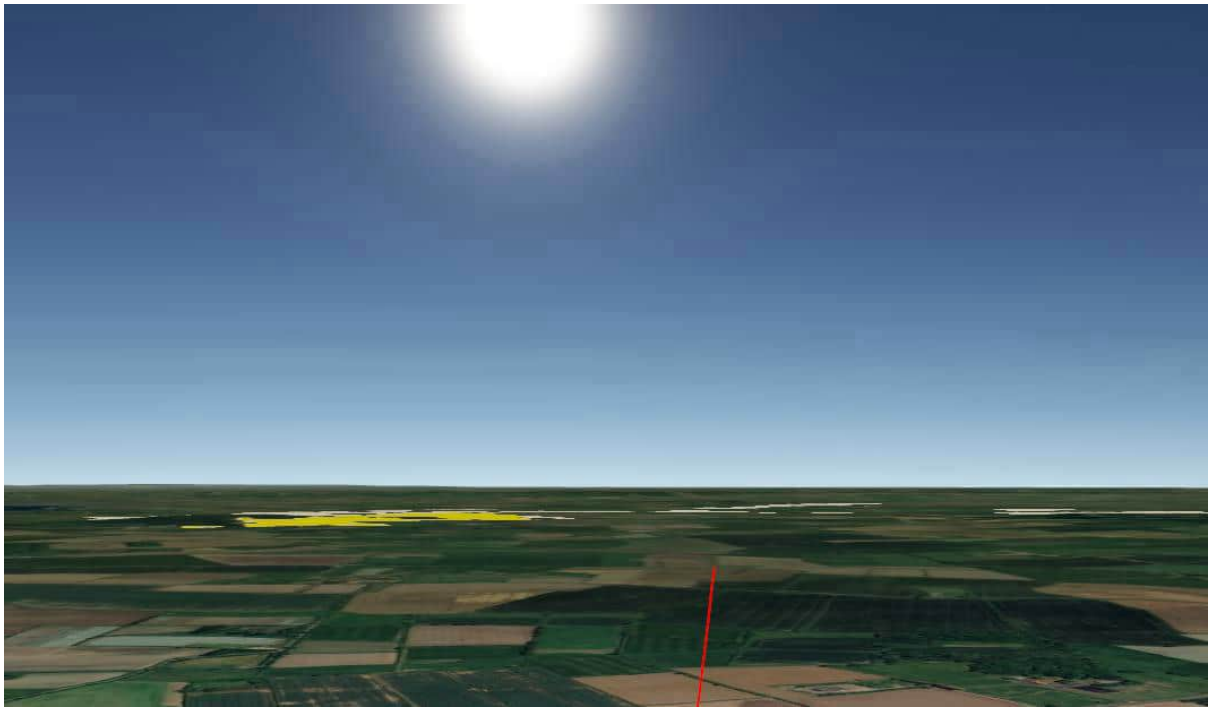
Runway 31 Approach

April 1st 17:45 UTC

South Scarle Airfield

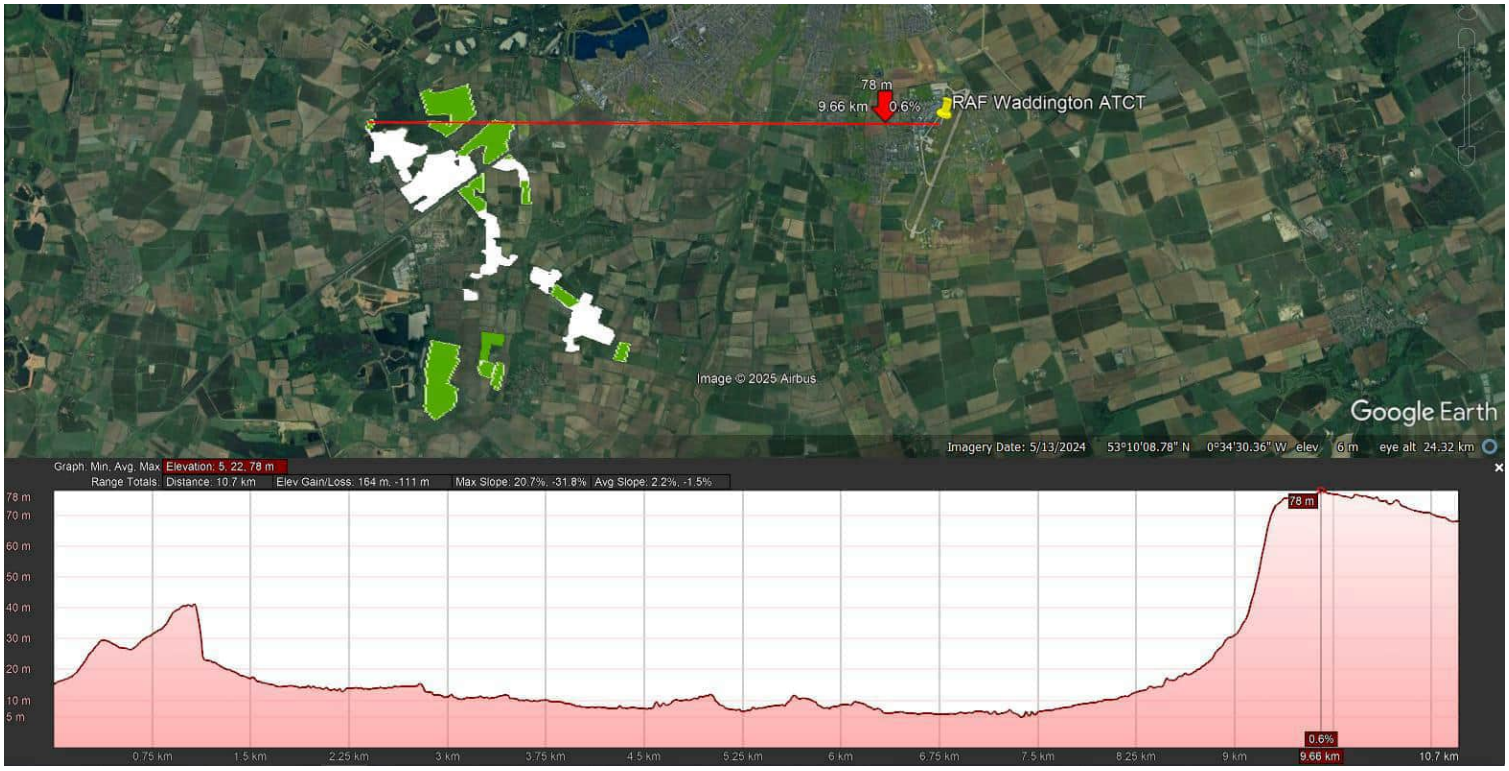
Runway 10 Approach

April 15th 07:00 UTC



Appendix R: Ground Elevation Profile

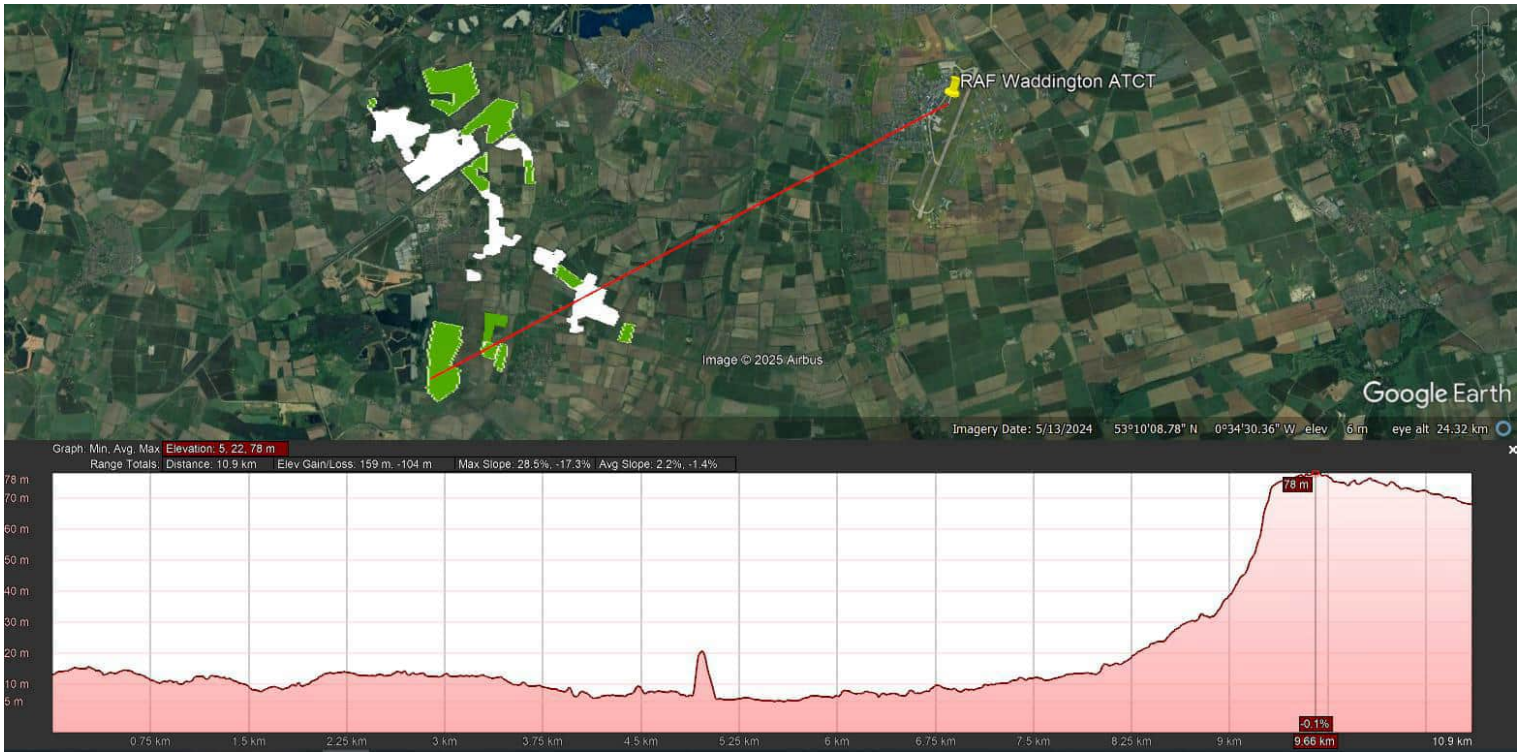
Elevation Profile Between Solar PV Site and RAF Waddington



Proposed Development

High Point

RAF Waddington ATCT



Proposed Development

High Point RAF Waddington ATCT

Appendix S

Solar Module Glare and Reflectance Technical Memo

SUNPOWER®

Technical Notification

TITLE: SunPower Solar Module Glare and Reflectance
AUTHORS: Technical Support
APPLICATION: Residential/ Commercial
SCOPE: SunPower Modules

SUMMARY:

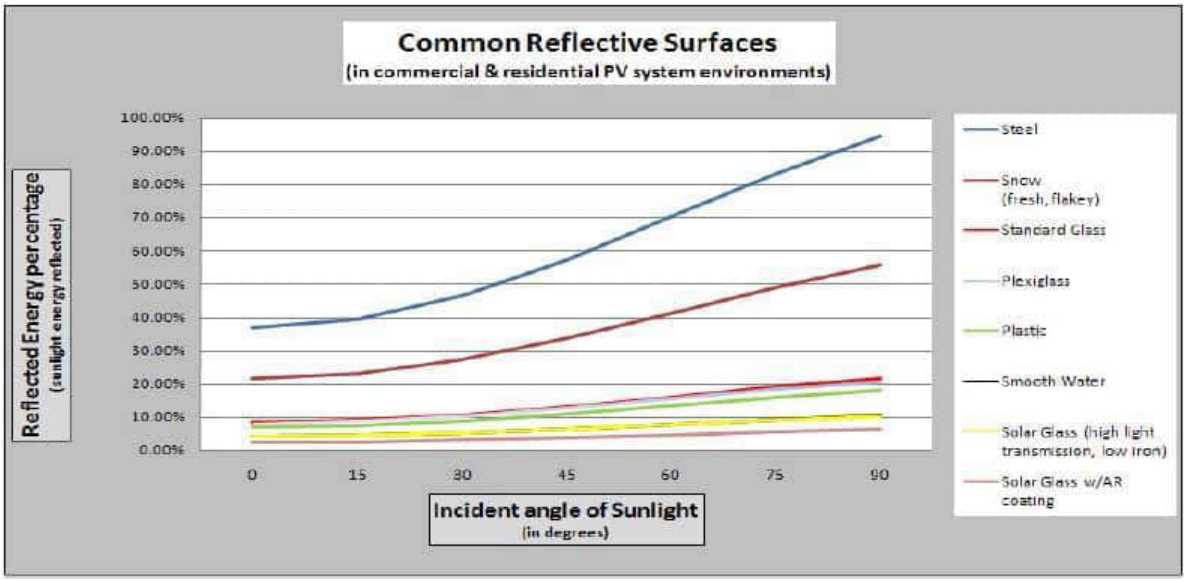
The objective of this document is to increase awareness concerning the possible glare and reflectance impact of PV Systems on their surrounding environment.

The glare and reflectance levels from a given PV system are decisively lower than the glare andreflectance generated by the standard glass and other common reflective surfaces in the environments surrounding the given PV system. Concerning random glare and reflectance observed from the air: SunPower has several large projects installed near airports or on air force bases. Each of these large projects has passed FAA or Air Force standards and all projects have been determined as "No Hazard toAir Navigation". Although the possible glare and reflectance from PV systems are at safe levels and are usually decisively lower than other standard residential and commercial reflective surfaces, SunPower suggests that customers and installers discuss any possible concerns with the neighbors/cohabitants near the planned PV system installation.

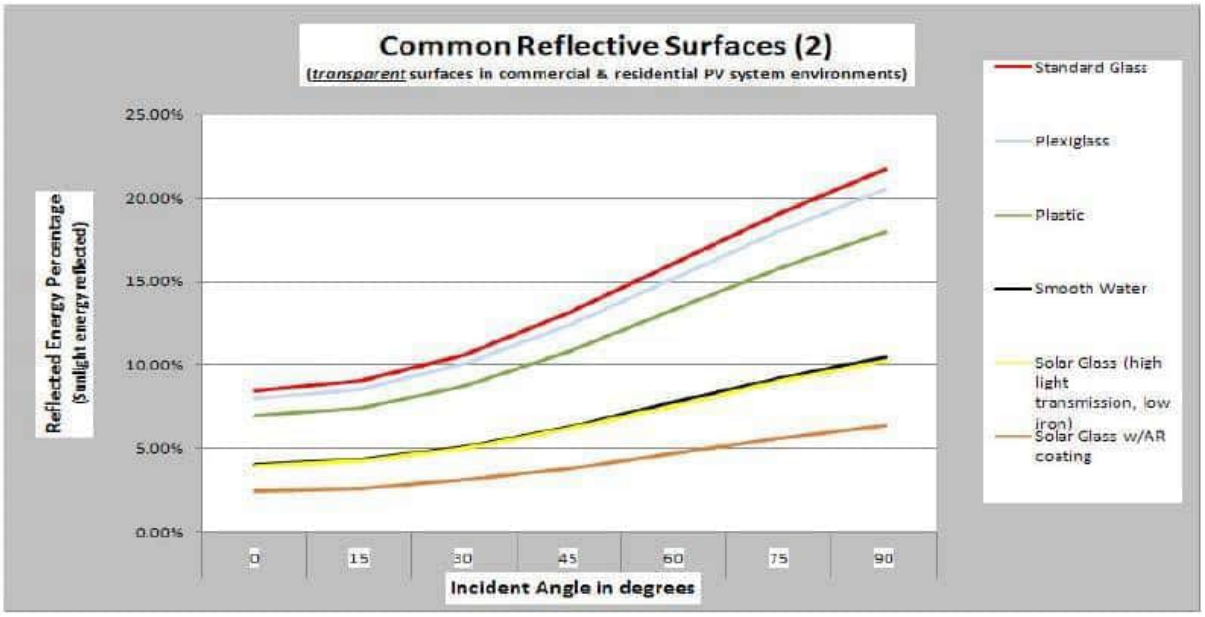
DETAILED EXPLANATION:

In general, since the whole concept of efficient solar power is to absorb as much light as possible while reflecting as little light as possible, standard solar module produces less glare and reflectance than standard window glass. This is pointed out very well in US Patent #6359212 which explains the differences in the refraction and reflection of solar module glass versus standard window glass. Solar modules use "high-transmission, low iron glass" which absorbs more light, producing small amounts of glare and reflectance than normal glass.

In the graph below, we show the reflected energy percentages of sunlight, of some common residential and commercial surfaces. The legend and the graph lists the items from top to bottom in order of the highest percentage of reflected energy.



It should be noted that the reflected energy percentage of Solar Glass is far below that of a standard glass and more on the level of smooth water. Also, below are the ratios of the common reflective surfaces:



Light beam physics resolves that the least amount of light is reflected when the beam is the normal, in other words, least light energy is reflected when the beam is at 0 degrees to the normal. The chart below is a result of light beam physics calculations:

Common Reflective Surfaces (in surrounding environments for PV systems)		Incident angle in degrees						
		0	15	30	45	60	75	90
Material Reflectivity (percent of incident light reflected)	Steel	36.78%	39.22%	46.34%	57.11%	70.02%	83.15%	94.40%
	Snow (fresh, flakey)	21.63%	23.09%	27.29%	33.63%	41.23%	48.96%	55.59%
	Standard Glass	8.44%	9.01%	10.65%	13.12%	16.09%	19.10%	21.69%
	Plexiglass	8.00%	8.54%	10.09%	12.44%	15.25%	18.11%	20.56%
	Plastic	6.99%	7.46%	8.82%	10.87%	13.33%	15.83%	17.97%
	Smooth Water	4.07%	4.35%	5.14%	6.33%	7.76%	9.22%	10.47%
	Solar Glass (high light transmission, low iron)	3.99%	4.26%	5.03%	6.20%	7.61%	9.03%	10.26%
	Solar Glass w/AR coating	2.47%	2.64%	3.12%	3.84%	4.71%	5.59%	6.35%

(Note: Index of refraction values may vary slightly depending on suppliers and reference documentation. The values for the above calculations are averages or single values obtained from the list of references for this document).

Important reference – "Stipples glass": In addition to the superior refractive/reflective properties of solar glass versus standard glass, SunPower uses stippled solar glass for our modules. Stippled glass is used with high powered telescopes and powerful beacons and lights. The basic concept behind stippling is for the surfaces of the glass to be textured with small types of indentations. As a result, stippling allows more light energy to be channeled/ transmitted through the glass while diffusing the reflected lightenergy. This concept is why the reflection of off a SunPower solar module will look hazy and less-defined than the reflection from standard glass, this occurs because the stippled SunPower glass is transmitting a larger percentage of light to the solar cell while breaking up the intensity of the reflected light energy.

SUMMARY/ACTION REQUIRED:

The studies, data and light beam physics behind the charts and graphs prove beyond a reasonable doubt that solar glass has less glare and reflectance than standard glass. The figures also make it clear that the difference is very decisive between solar glass and other common residential/commercial glasses. In addition, not to be lost in the standard light/glass equations and calculations, the SunPower solar glass is stippled and has a very photon-absorbent solar cell attached to the back side, contributing two additional factors which results in even less light energy being reflected.

REGIONAL CONTACTS:

****

EU Toll Free number: SunPower Technical Support, **00800–SUNPOWER (00800–78676937)**

- **For inquiries by e-mail, please use**:
  - Spain: SunPower – Soporte Técnico España: soportetecnico@sunpowercorp.com
  - Germany: SunPower – Technischer Support: technischersupport@sunpowercorp.com
  - Italy: SunPower – Servizio Tecnico Italia: serviziotecnico@sunpowercorp.com
  - France: SunPower – Support Technique France: supporttechnique@sunpowercorp.com

USA Toll Free number: SunPower Technical Support, **1-800–SUNPOWER (786-76937)**

- **For inquiries by e-mail, please use:** Technicalsupport@Sunpowercorp.com

Australia (Sunpower Corporation Australia PTY LTD) contact number: +**61-8-9477-5888**.

Korea – SPK (SunPower Korea) contact number: (02) 3453-0941

REFERENCES:

- Center for Sustainable Building Research. College of Dean – University of Minnesota. All rights Reserved. JDP activity by the University of Minnesota and Lawrence Berkeley National Laboratory
- H.K Pulker, Coatings on Glass, (1999), 2ed, Elsevier, Amsterdam
- C.G Granqvist, Materials Science for Solar Energy Conversion Systems, (1991), Pergamon, G.B
- D. Chen, anti-reflection (AR) coatings made by sol-gel processes: A review, Solar energy Materials and Solar Cells, 68, (2000), 313-336
- P. Nostell, A. Roos, B. Karlsson, Antireflection of glazings for solar energy applications, Solar Energy Materials and Solar Cells, 54, (1998), 23-233
- M. Fukawa, T. Ikeda, T. Yonedaans K. Sato, Antireflective coatings y single layer with refractive index of 1.3, Proceedings of the 3rd International Conference on Coatings on Glass (ICGG), (2000), 257-264
- J. Karlsson and A. Roos, Modeling the angular behavior of the solar energy transmittance of windows, Solar Energy, 69, 4, (2000)
- J. Karlsson, B. Karlsson and A. Roos, A Simple model for assessing the energy efficiency of windows, In Press, Energy and Buildings