BLUESTONE WIND
SHADOW FLICKER REPORT

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1.0 EXECUTIVE SUMMARY

The proposed Bluestone Wind Project will be located in the Towns of Windsor and Sanford in Broome County, NY. The Project is expected to generate up to 124 megawatts (MW) of electricity using up to 33 wind turbines and ancillary structures. This report assesses shadow flicker impacts on nearby receptors as required by 16 NYCRR § 1001.24(b)(8) of New York's Article 10 process for approving major electric generating facilities.

A shadow flicker analysis was conducted to determine the location of shadow flicker and evaluate the duration of shadow flicker in the vicinity of the proposed Bluestone Wind Project. In the absence of a regulatory limit, a design goal of 30 hours per year of expected shadow flicker was established by agreement at all non-participating sensitive receptors. The duration of shadow flicker was calculated at 392 discrete modeling points ("sensitive receptors") located with a distance of 10 times the rotor diameter of the largest turbine model under consideration. The modeling points include residential structures (participating and non-participating) and schools, office buildings, storefronts and known public recreation areas, if any. Shadow flicker was calculated for each wind turbine model under consideration (five scenarios in total) at each of the 392 sensitive receptor locations. The results include expected total hours per year of shadow flicker, maximum minutes per day of shadow flicker, and maximum number of days per year of shadow flicker. In addition, isolines[1] were generated from a grid encompassing the area surrounding the wind turbines for the turbine model with the largest shadow flicker impact.

For each wind turbine model, the vast majority of receptors are expected to receive less than 30 hours of shadow flicker per year. However, shadow flicker was predicted to exceed 30 hours per year for each modeling scenario at some of the receptors. Under the worst case scenario, a total of 27 participating and non-participating structures are modeled to exceed the 30-hour-per-year threshold. However, the modeling results are inherently conservative because modeling receptors are treated as "greenhouses" (i.e., it is assumed that sunlight can enter the structure from any angle) and the majority of the receptors were modeled without obstacles such as vegetation or structures that could block the shadow flicker effect ("bare earth"). For the worst-case scenario, obstacles were added to the model, where appropriate, for a refined analysis of the 13 non-participating residences predicted to have over 30 hours per year of shadow flicker. This reduced annual shadow flicker to below 30 hours per year at two of the 13 locations.

In order to address locations that are currently predicted to exceed the design goal of 30 hours per year, Bluestone Wind intends to conduct additional modeling, if necessary, depending on the final turbine model selected and whether the site layout is modified in a way that affects the results of this report. For those non-participating residences that

[1] Isolines are lines of constant value on a map (in this case, hours per year of shadow flicker)

continue to exceed the 30-hour annual threshold, Bluestone Wind will explore various options for addressing shadow flicker, which are discussed in Section 8.0 of this report.

2.0 INTRODUCTION

This report assesses the shadow flicker impacts of the proposed Bluestone Wind Project as required by 16 NYCRR § 1001.24(b)(8) of New York's Article 10 implementing regulations.

The Bluestone Wind Project is a proposed 124-megawatt (MW) commercial scale wind energy project located in the Towns of Windsor and Sanford, Broome County, New York. The Project calls for the installation and operation of up to 33 wind turbines, together with the associated collection lines, access roads, meteorological towers, an operation and maintenance (O&M) building, collection substation and point of interconnection substation, including a battery storage component.

The shadow flicker impact study was conducted in accordance with the Article 10 regulations and the stipulations of the parties. This report, which summarizes the results of the study, includes the following elements:

- Project description
- Discussion of shadow flicker limits, regulations, and goals for the project
- Shadow flicker modeling procedures
- Shadow flicker modeling results
- Shadow flicker evaluation
- Detailed appendices of modeling data and results tables

3.0 PROJECT DESCRIPTION

The proposed Bluestone Wind Project (the "Project") is being developed by Bluestone Wind, LLC (the "Applicant"). The Project is a proposed 124-megawatt ("MW") project located in the Towns of Windsor and Sanford, Broome County, New York.

The proposed Project consists of the construction and operation of a commercial-scale wind power project, including the installation and operation of up to 33 wind turbines, together with the associated collection lines, access roads, meteorological ("met") towers, and an operation and maintenance (O&M) building. These turbines and related facilities will be sited on privately-owned leased land within an approximately 5,700-acre Facility Site.

To deliver electricity to the New York State power grid, the Applicant proposes to construct a collection substation and a point of interconnect (POI) substation, which will interconnect with NYSEG's existing Afton to Stilesville 115 kV transmission line in the Town of Sanford. A battery storage component is included as part of the Project, and will be located adjacent to the collection substation. Figure 3-1 shows the location of the wind turbines, battery storage facility, and substation.

The Applicant is considering a range of turbine models that may ultimately be selected for the Project. For this report, five wind turbine generators (WTGs) are under consideration. The list of wind turbine manufacturers, models, hub heights, and rotor diameters examined in this report are presented below in Table 3-1.

Table 3-1 Wind Turbines Analyzed for Shadow Flicker

Manufacturer	Wind Turbine Model	Hub Height (m)	Rotor Diameter (m)
General Electric	GE3.8-137	131	137
Vestas	V150-4.2	130	150
Nordex	N149/4500	125	149
Senvion	4.2M148	130	148
Siemens Gamesa	SG4.2-145	127	145

With respect to wind turbines, shadow flicker can be defined as an intermittent change in the intensity of light in a given area resulting from the operation of a wind turbine due to its interaction with the sun. While indoors, an observer experiences repeated changes in the brightness of the room as shadows cast from the wind turbine blades briefly pass by windows as the blades rotate. In order for this to occur, the wind turbine must be operating, the sun must be shining, and the window must be within the shadow region of the wind turbine. Otherwise, there is no shadow flicker. A stationary wind turbine only generates a stationary shadow similar to any other structure.

This report presents the findings of the shadow flicker modeling analysis for the Project. The shadow flicker impact of wind turbines on receptor locations was modeled with the WindPRO software package using information provided by the Applicant.

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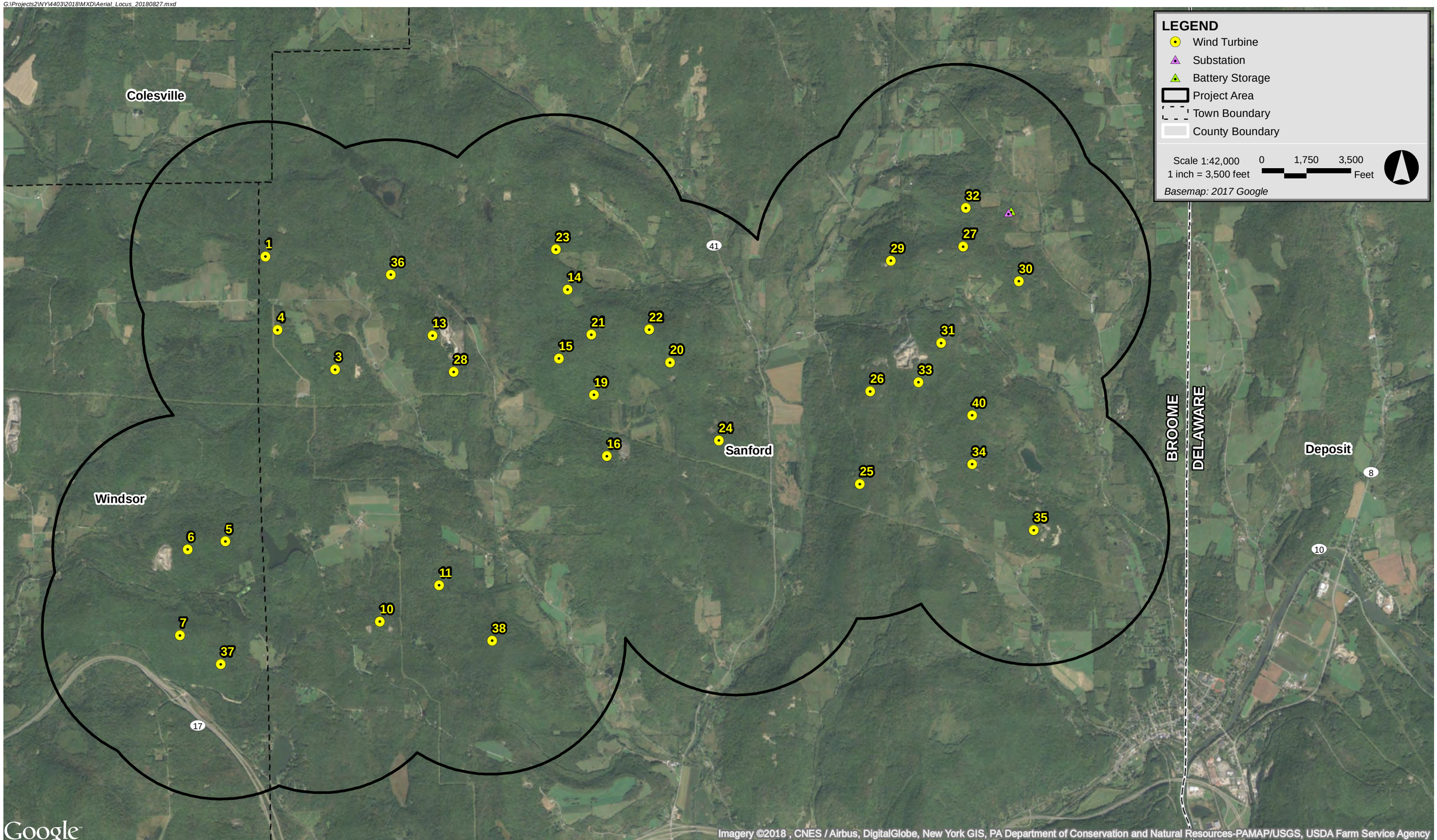

Bluestone Wind **Broome County, New York**

Epsilon ASSOCIATES INC.

Figure 3-1
Aerial Locus

4.0 REGULATIONS AND EVALUATION CRITERIA

4.1 Federal Regulations

There are no federal shadow flicker regulations applicable to this Project.

4.2 New York State Regulations

This Project falls under the jurisdiction of the NY State Board on Electric Generation Siting and the Environment ("Siting Board") Article 10 law. Section 1001.24 "Exhibit 24: Visual Impacts" contains the required elements of the Article 10 implementing regulation with respect to shadow flicker. This regulation does not list quantitative shadow flicker limits applicable to this Project, but instead simply requires that a shadow flicker analysis be conducted. In a previous proceeding for the siting of a wind project, the Siting Board established a threshold of 30 hours annually at non-participating residential receptors as a condition to the operation of the facility. (See Application of Cassadaga Wind LLC, *Order Granting Certificate of Environmental Compatibility and Public Need, With Conditions*, Case No. 14-F-0490, dated January 17, 2018; Condition 30).

4.3 Local Regulations

Bluestone Wind is located within the Towns of Windsor and Sanford, Broome County, NY. Broome County, the Town of Windsor, and the Town of Sanford do not have any shadow flicker regulations applicable to wind turbine operations.

4.4 Project Shadow Flicker Design Goal

A design goal of 30 hours per year at non-participating sensitive receptors has been established for purposes of assessing shadow flicker. This goal is consistent with the condition established by the Siting Board in the Cassadaga proceeding as well as with guidance and regulations developed by various states and countries and as consistent with the Cassadaga proceeding. For example, a 30-hour-per-year limit has been adopted by multiple jurisdictions in the United States. In Connecticut, Connecticut Regulation Section 16-50j-95(c) (2014) limits the annual duration of shadow flicker to 30 hours at any off-site occupied structure. Internationally, according to the Danish Wind Industry Association (DWIA), a German court has ruled that 30 hours of actual shadow flicker per year was acceptable at a neighbor's property.[2]

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[2] Danish Wind Industry Association, 2003.

http://xn--drmstrre-64ad.dk/wp-content/wind/miller/windpower%20web/en/tour/env/shadow/index.htm
Accessed in August 2018.

5.0 WIND TURBINE SHADOW FLICKER

As previously noted, with respect to wind turbines, shadow flicker can be defined as an intermittent change in the intensity of light in a given area resulting from the operation of a wind turbine due to its interaction with the sun. While indoors, an observer experiences repeated changes in the brightness of the room as shadows cast from the wind turbine blades briefly pass by windows as the blades rotate. In order for this to occur, the wind turbine must be operating, the sun must be shining, and the window must be within the shadow region of the wind turbine. Otherwise, there is no shadow flicker. A stationary wind turbine only generates a stationary shadow similar to any other structure.

Based on the current design and operation of typical modern wind turbines, shadow flicker impacts are generally an annoyance issue and not a health effects concern. Often the public is concerned about the possibility of epileptic seizures being caused by shadow flicker (i.e., photosensitive epilepsy). According to the Epilepsy Foundation, "[g]enerally, flashing lights most likely to trigger seizures are between the frequency of 5 to 30 flashes per second (Hertz)."[3] Of the proposed wind turbines under consideration for this Project, the maximum rotational speed of 13.6 rpm corresponds to a frequency of 0.7 Hz (above this amount, the turbine shuts down). This frequency is well below the frequency identified by the Epilepsy Foundation as a possible epilepsy trigger; therefore, the triggering of epileptic seizures is not a concern with this Project.

[3] Epilepsy Foundation, http://www.epilepsy.com/learn/triggers-seizures/photosensitivity-and-seizures. Accessed in August 2018.

6.0 SHADOW FLICKER ANALYSIS

6.1 Modeling Methodology

Shadow flicker was modeled using a software package, WindPRO version 3.1.633. WindPRO is a software suite developed by EMD International A/S and is used for assessing potential environmental impacts from wind turbines. Using the Shadow module within WindPRO, worst-case shadow flicker in the area surrounding the wind turbines was calculated based on data inputs including: location of the wind turbines (latitude and longitude coordinates), location of discrete modeling points (i.e., latitude and longitude coordinates of receptors), wind turbine dimensions, flicker calculation limits, and terrain data. For purposes of this study, the discrete modeling points (i.e., receptors) include residential structures (both participating and non-participating), schools, office buildings, storefronts, and known public recreation areas (e.g., campgrounds, trailheads within State Forest land) located within a 10 rotor diameter radius of all proposed turbine locations.

Based on these data, the model was able to incorporate the appropriate sun angle and maximum daily sunlight for this latitude into the calculations. The resulting worst-case calculations assume that the sun is always shining during daylight hours and that the wind turbine is always operating. The WindPRO Shadow module can be further refined by incorporating sunshine probabilities and wind turbine operational estimates by wind direction over the course of a year. The values for this further refinement, also known as the "expected" shadow flicker, are presented in this section. These apply to the expected hours per year of shadow flicker.

A 33-turbine layout provided by the Applicant was input into the model. The proposed wind turbines for the Project are shown in Figure 6-1 and in tabular format in Table A-1 in Appendix A. Five wind turbine manufacturers and associated hub height combinations were considered for each of the 33 locations.

Key specifications for each of the five wind turbine models included in the analysis were based on the technical data provided by the Applicant. In addition to the hub height and rotor diameter information summarized in Table 3-1, each wind turbine has a "cut-in" and "cut-out" wind speed. The "cut-in" wind speed is the hub height wind speed at which the wind turbine blades begin to turn and generate electricity. The "cut-out" wind speed is the hub height wind speed at which the wind turbine blades stop turning. Table 6-1 summarizes the cut-in and cut-out wind speeds for each wind turbine model under consideration.

Table 6-1 Wind Turbines Analyzed for Shadow Flicker Assessment—Cut-in/Cut-out Speeds

Manufacturer	Wind Turbine Model	Cut-in wind speed (m/s)	Cut-out wind speed (m/s)
General Electric	GE3.8-137	3	25
Vestas	V150-4.2	3	25
Nordex	N149/4500	3	26
Senvion	4.2M148	3	26
Siemens Gamesa	SG4.2-145	3	26

To date, there are no federal guidelines regarding the maximum radial distance from a wind turbine for which shadow flicker should be analyzed. With respect to the Project, the Applicant has stipulated to model shadow flicker out to a distance of ten times the rotor diameter in fulfillment of its obligations under Exhibit 24, Visual Impacts. This approach is consistent with that taken in other jurisdictions in the United States. For example, according to the Massachusetts Model Bylaw for wind energy facilities, shadow flicker impacts are minimal at and beyond a distance of ten rotor diameters.[4] Defining the shadow flicker calculation area has also been addressed in Europe where the ten times rotor diameter approach has been accepted in multiple European countries.[5]

Consistent with the stipulated standard, this analysis includes shadow flicker calculations out to 1,500 meters from each wind turbine for each manufacturer and associated hub height combination being considered in the model for the proposed layout. The Vestas V150-4.2 has the largest rotor diameter at 150 meters. As a result, 10 times this distance, (i.e., 1,500 meters) was used conservatively for each wind turbine type being considered for this Project. This is considered the "Project Area" or "shadow flicker study area" for purposes of this shadow flicker study.

A sensitive receptor dataset was provided by the Applicant to the Project team. The 392 sensitive receptors from this dataset were input into the WindPRO model. These receptors include the residential structures (both participating and non-participating), schools, office buildings, storefronts, and known public recreation areas (e.g., campgrounds; trailheads within State Forest land) located within 10 rotor diameters of all proposed turbine locations.

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4 Massachusetts Department of Energy Resources, "Model As-of-Right Zoning Ordinance or Bylaw: Allowing Use of Wind Energy Facilities" 2009.

5 Parsons Brinckerhoff, "Update of UK Shadow Flicker Evidence Base" Prepared for Department of Energy and Climate Change, 2011.

These sensitive receptors were modeled as discrete points. Each modeling point was assumed to have a window facing all directions ("greenhouse" mode) which yields conservative results. In addition, a dataset containing parcel participation status was provided by the Applicant which allowed for participation status to be assigned to each modeling receptor. Participating parcels and sensitive receptors are shown on Figure 6-1.

The model was set to limit calculations to 1,500 meters from a wind turbine. Consequently, shadow flicker at any of the 392 modeling receptors greater than the corresponding limitation distance from a wind turbine was zero. In addition to modeling discrete points, which occurred for all five wind turbine manufacturers and associated hub height combinations being considered, shadow flicker was calculated at grid points in the area surrounding the modeled wind turbines to generate flicker isolines. A 20-meter spacing was used for this grid. This was completed for the worst-case combination entailing the Vestas V150-4.2, which is discussed further in the subsequent results section.

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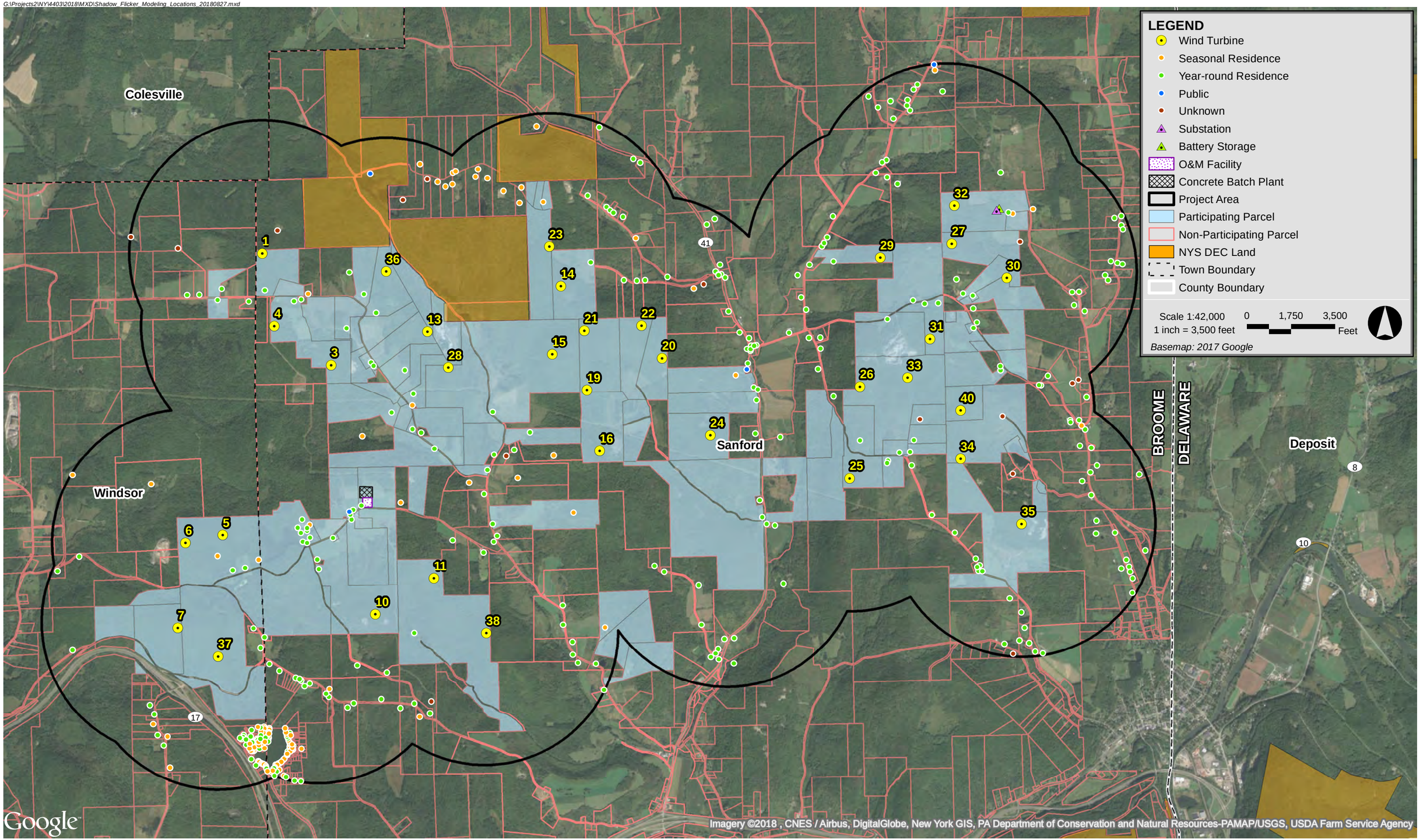

Bluestone Wind **Broome County, New York**

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Figure 6-1

Shadow Flicker Modeling Locations

The terrain height contour elevations for the modeling domain were generated from elevation information derived from the National Elevation Dataset (NED) developed by the U.S. Geological Survey from their 10-meter resolution digital elevation model (DEM) data. Obstacles such as buildings and vegetation, were excluded from the initial analysis. When accounted for in the shadow flicker calculations, such obstacles may significantly mitigate or eliminate the flicker effect depending on their size, type, and location. Adopting the "bare earth" scenario ensures that the model results are conservative. In addition, shadow flicker durations were calculated only when the angle of the sun was at least 3° above the horizon.

Monthly sunshine probability values were input for each month from January to December. These numbers were obtained from the most recent publicly available historical dataset for Binghamton, New York, from the National Oceanic and Atmospheric Administration's (NOAA) National Centers for Environmental Information (NCEI).[6] Table 6-2 shows the percentage of sunshine hours by month used in the shadow flicker modeling. These values are the percentages that the sun is expected to be shining during daylight hours.

The number of hours the wind turbines are expected to operate for the 16 cardinal wind directions was input into the model. Hourly wind speed and direction were provided by the Applicant from meteorological data collected in 2017. Epsilon processed the data into a joint frequency distribution of wind speed and wind direction which allowed for the determination of operational hours per wind direction sector. These hours per wind direction sector are used by WindPRO to estimate the "wind direction" and "operation time" reduction factors. Based on this dataset, the wind turbines would operate 90% of the year due to cut-in and cut-out specifications of the proposed wind turbines. Table 6-3 shows the distribution of operational hours for the 16 wind directions. The reduction factors in Tables 6-2 and 6-3 are only applied to the expected hours per year of shadow flicker calculations. The number of days per year and maximum minutes per day, are both calculated as if the sun is always shining and the wind is always blowing above cut-in speed and below cut-out speed. These are conservative estimates.

[6] NCEI (formerly NCDC), https://www1.ncdc.noaa.gov/pub/data/ccd-data/pctpos15.dat. Accessed in August 2018.

Table 6-2 Monthly Percent of Possible Sunshine

Month	Possible Sunshine
January	39%
February	42%
March	44%
April	51%
May	55%
June	59%
July	64%
August	61%
September	53%
October	45%
November	29%
December	28%

Table 6-3 Operational Hours per Wind Direction Sector

Wind Sector	Operational Hours
N	377
NNE	232
NE	108
ENE	85
E	94
ESE	168
SE	417
SSE	654
S	945
SSW	887
SW	670
WSW	499
W	561
WNW	754
NW	917
NNW	506
Annual	7,874

6.2 Results

Following the modeling methodology outlined in Section 6.1, WindPRO was used to calculate shadow flicker at the 392 discrete modeling points.

6.2.1 General Electric GE3.8-137, 131 HH

Table B-1 in Appendix B presents the modeling results of expected shadow flicker for the General Electric GE3.8-137 turbine under conditions specified in Section 6.1. Table B-1 presents expected hours per year of shadow flicker at the 392 receptors included in the analysis.

The predicted expected annual shadow flicker duration ranged from 0 hours, 0 minutes per year to 54 hours, 10 minutes per year. A summary of the expected annual shadow flicker duration for the GE 3.8-137 wind turbine is set forth below:

- No shadow flicker: 195 receptors (50%)
- 0 to 10 hours per year: 117 receptors (30%)
- 10 to 30 hours per year: 62 receptors (16%)
- Over 30 hours per year: 18 receptors (4%)

Ten of the 18 locations with expected shadow flicker over 30 hours per year are on participating parcels, while eight are on non-participating parcels. The maximum expected annual duration of shadow flicker at a sensitive receptor (#408) on a participating parcel is 54 hours, 10 minutes. The maximum expected annual duration of shadow flicker at a sensitive receptor (#99) on a non-participating parcel is 46 hours, 42 minutes. As previously noted, these results do not consider the potential impact of obstacles such as trees or buildings and so overstate the potential amount of shadow flicker that will actually be experienced at certain receptors over the course of a year.

Table D-1 in Appendix D presents the maximum potential amount of shadow flicker on a given day and the number of potential days per year some flicker is possible for the 392 modeling locations. These do not include any reductions due to blade orientation, wind speed, or cloud cover, and thus overstate the potential amount of shadow flicker that will actually be experienced at the receptors on a daily basis. The predicted maximum daily duration of shadow flicker ranged from 0 hours, 0 minutes to 1 hour, 43 minutes.

A summary of the worst-case daily shadow flicker duration for the General Electric turbine is set forth below:

- No shadow flicker: 195 receptors (50%)
- Between 1 and 30 minutes: 75 receptors (19%)
- More than 30 minutes but less than or equal to 1 hour: 99 receptors (25%)

- Over one hour: 23 receptors (6%)

Of the 23 locations modeled to experience over 1 hour of shadow flicker per day nine were non-participating receptors while 14 were participating. The non-participating receptor with the highest daily maximum shadow flicker duration modeled is receptor #207 at 1 hour and 43 minutes. The participating receptor with the highest daily maximum shadow flicker duration is receptor #408 at 1 hour and 26 minutes.

These durations of shadow flicker would not occur every day that shadow flicker has the potential to occur. These are the maximum values that could occur on a day during the year. The daily results do not account for daytime periods without sunshine, when the wind turbines are not operating, or when the orientation of the blades does not result in shadow flicker at the home.

6.2.2 Vestas V150-4.2, 130 HH

Table B-2 in Appendix B presents the modeling results of expected shadow flicker for the Vestas V150-4.2 under conditions specified in Section 6.1. Table B-2 presents expected hours per year of shadow flicker at the 392 receptors included in the analysis.

The predicted expected annual shadow flicker duration ranged from 0 hours, 0 minutes per year to 62 hours, 1 minute per year. A summary of the expected annual shadow flicker duration for the Vestas V150-4.2 wind turbine is set forth below:

- No shadow flicker: 191 receptors (49%)
- 0 to 10 hours per year: 101 receptors (26%)
- 10 to 30 hours per year: 73 receptors (18%)
- Over 30 hours per year: 27 receptors (7%)

Of the 27 locations over 30 hours per year, 14 of the locations are on participating parcels, while 13 of the locations are on non-participating parcels. The maximum expected annual duration of shadow flicker at a sensitive receptor (#408) on a participating parcel is 62 hours, 1 minute. The maximum expected annual duration of shadow flicker at a sensitive receptor (#99) on a non-participating parcel is 56 hours, 45 minutes. Consistent with the discussion of the General Electric wind turbine, the results do not consider the potential impact of obstacles such as trees or buildings and so overstate the potential amount of shadow flicker that will actually be experienced at certain receptors.

Because the Vestas V150-4.2 displayed the greatest amount of annual shadow flicker of the five wind turbines in consideration, a 20-meter spacing grid was run and flicker isolines were created consistent with the procedure outlined in Section 6.1. Figure 6-2 displays the modeled flicker isolines over aerial imagery in relation to modeled wind turbines and sensitive receptors. This figure is accompanied by a series of eight inset maps that provide a higher level of detail at all modeled receptors. These figures show the expected annual

hours of shadow flicker around each wind turbine to where it drops to zero hours per year. There is one receptor in public recreation lands. This is receptor #438 located in the Marsh Pond State Forest. Predicted annual shadow flicker at #438 is zero hours per year.

The figures in Appendix C present graphically when shadow flicker at a given location has the potential to occur under worst-case conditions and which wind turbines generate the shadow flicker at that location. These graphical calendars are output directly from WindPRO.

Table D-2 in Appendix D presents the maximum potential amount of shadow flicker on a given day and the number of potential days per year some flicker is possible for the 392 modeling locations. These results do not include any reductions due to blade orientation, wind speed, or cloud cover. The predicted maximum daily duration of shadow flicker ranged from 0 hours, 0 minutes to 1 hour, 54 minutes.

A summary of the worst-case daily shadow flicker duration for the Vestas turbine is set forth below:

- No shadow flicker: 191 receptors (49%)
- Between 1 and 30 minutes: 57 receptors (14%)
- More than 30 minutes but less than or equal to 1 hour: 112 receptors (29%)
- Over one hour: 32 receptors (8%)

Of the 32 locations modeled to experience over 1 hour of shadow flicker per day 14 were non-participating receptors while 18 were participating. The non-participating receptor with the highest daily maximum shadow flicker duration modeled is receptor #207 at 1 hour and 54 minutes. The participating receptor with the highest daily maximum shadow flicker duration is receptor #134 at 1 hour and 34 minutes.

Consistent with the discussion of the General Electric turbine, however, these durations of shadow flicker would not occur every day that shadow flicker has the potential to occur. These are the maximum values that could occur on a day during the year. The daily model results do not account for daytime periods without sunshine, when the wind turbines are not operating, or when the orientation of the blades does not result in shadow flicker at the receptor.

6.2.3 Nordex N149/4500, 125 HH

Table B-3 in Appendix B presents the modeling results of expected shadow flicker for the Nordex N149/4500 under conditions specified in Section 6.1. Table B-3 presents expected hours per year of shadow flicker at the 392 receptors included in the analysis.

The predicted expected annual shadow flicker duration ranged from 0 hours, 0 minutes per year to 61 hours, 54 minutes per year. A summary of the expected annual shadow flicker duration for the Nordex N149/4500 wind turbine is set forth below:

- No shadow flicker: 192 receptors (49%)
- 0 to 10 hours per year: 101 receptors (26%)
- 10 to 30 hours per year: 74 receptors (19%)
- Over 30 hours per year: 25 receptors (6%)

Of the 25 locations over 30 hours per year, 13 of the locations are on participating parcels, while 12 of the locations are on non-participating parcels. The maximum expected annual duration of shadow flicker at a sensitive receptor (#408) on a participating parcel is 61 hours, 54 minutes. The maximum expected annual duration of shadow flicker at a sensitive receptor (#99) on a non-participating parcel is 55 hours, 8 minutes. Consistent with the discussion of the General Electric wind turbine, the results do not consider the potential impact of obstacles such as trees or buildings and so overstate the potential amount of shadow flicker that will actually be experienced at certain receptors.

Table D-3 in Appendix D presents the maximum potential amount of shadow flicker on a given day and the number of potential days per year some flicker is possible for the 392 modeling locations. These do not include any reductions due to blade orientation, wind speed, or cloud cover. The predicted maximum daily duration of shadow flicker ranged from 0 hours, 0 minutes to 1 hour, 52 minutes.

A summary of the worst-case daily shadow flicker duration for the Nordex turbine is set forth below:

- No shadow flicker: 192 receptors (49%)
- Between 1 and 30 minutes: 57 receptors (14%)
- More than 30 minutes but less than or equal to 1 hour: 112 receptors (29%)
- Over one hour: 31 receptors (8%)

Of the 31 locations modeled to experience over 1 hour of shadow flicker per day 14 were non-participating receptors while 17 were participating. The non-participating receptor with the highest daily maximum shadow flicker duration modeled is receptor #207 at 1 hour and 52 minutes. The participating receptor with the highest daily maximum shadow flicker duration is receptor #134 at 1 hour and 35 minutes. These daily results do not account for daytime periods without sunshine, when the wind turbines are not operating, or when the orientation of the blades does not result in shadow flicker at the home.

6.2.4 Senvion 4.2M148, 130 HH

Table B-4 in Appendix B presents the modeling results of expected shadow flicker for the Senvion 4.2M148 under conditions specified in Section 6.1. Table B-4 presents expected hours per year of shadow flicker at the 392 receptors included in the analysis.

The predicted expected annual shadow flicker duration ranged from 0 hours, 0 minutes per year to 60 hours, 48 minutes per year. A summary of the expected annual shadow flicker duration for the Senvion 4.2M148 wind turbine is set forth below:

- No shadow flicker: 192 receptors (49%)
- 0 to 10 hours per year: 100 receptors (26%)
- 10 to 30 hours per year: 74 receptors (19%)
- Over 30 hours per year: 26 receptors (6%)

Of the 26 locations over 30 hours per year, 14 of the locations are on participating parcels, while twelve of the locations are on non-participating parcels. The maximum expected annual duration of shadow flicker at a sensitive receptor (#408) on a participating parcel is 60 hours, 48 minutes. The maximum expected annual duration of shadow flicker at a sensitive receptor (#99) on a non-participating parcel is 54 hours, 57 minutes. Consistent with the discussion of the General Electric wind turbine, the results do not consider the potential impact of obstacles such as trees or buildings and so overstate the potential amount of shadow flicker that will actually be experienced at certain receptors.

Table D-4 in Appendix D presents the maximum potential amount of shadow flicker on a given day and the number of potential days per year some flicker is possible for the 392 modeling locations. These do not include any reductions due to blade orientation, wind speed, or cloud cover. The predicted maximum daily duration of shadow flicker ranged from 0 hours, 0 minutes to 1 hour, 53 minutes.

A summary of the worst-case daily shadow flicker duration for the Senvion turbine is set forth below:

- No shadow flicker: 192 receptors (49%)
- Between 1 and 30 minutes: 57 receptors (14%)
- More than 30 minutes but less than or equal to 1 hour: 112 receptors (29%)
- Over one hour: 31 receptors (8%)

Of the 31 locations modeled to experience over 1 hour of shadow flicker per day 13 were non-participating receptors while 18 were participating. The non-participating receptor with the highest daily maximum shadow flicker duration modeled is receptor #207 at 1 hour and 53 minutes. The participating receptor with the highest daily maximum shadow flicker duration is receptor #134 at 1 hour and 33 minutes. These daily results do not account for daytime periods without sunshine, when the wind turbines are not operating, or when the orientation of the blades does not result in shadow flicker at the home.

6.2.5 Siemens Gamesa SG4.2-145, 127 HH

Table B-5 in Appendix B presents the modeling results of expected shadow flicker for the Siemens Gamesa SG4.2-145 under conditions specified in Section 6.1. Table B-5 presents expected hours per year of shadow flicker at the 392 receptors included in the analysis.

The predicted expected annual shadow flicker duration ranged from 0 hours, 0 minutes per year to 59 hours, 18 minutes per year. A summary of the expected annual shadow flicker duration for the Siemens Gamesa SG4.2-145 wind turbine is set forth below:

- No shadow flicker: 193 receptors (49%)
- 0 to 10 hours per year: 102 receptors (26%)
- 10 to 30 hours per year: 77 receptors (20%)
- Over 30 hours per year: 20 receptors (5%)

Of the 20 locations over 30 hours per year, 11 of the locations are on participating parcels, while nine of the locations are on non-participating parcels. The maximum expected annual duration of shadow flicker at a sensitive receptor (#408) on a participating parcel is 59 hours, 18 minutes. The maximum expected annual duration of shadow flicker at a sensitive receptor (#99) on a non-participating parcel is 52 hours, 21 minutes.

Table D-5 in Appendix D presents the maximum potential amount of shadow flicker on a given day for the 392 modeling locations. These do not include any reductions due to blade orientation, wind speed, or cloud cover. The predicted maximum daily duration of shadow flicker ranged from 0 hours, 0 minutes to 1 hour, 50 minutes.

A summary of the worst-case daily shadow flicker duration for the Siemens Gamesa turbine is set forth below:

- No shadow flicker: 193 receptors (49%)
- Between 1 and 30 minutes: 61 receptors (16%)
- More than 30 minutes but less than or equal to 1 hour: 111 receptors (28%)
- Over one hour: 27 receptors (7%)

Of the 27 locations modeled to experience over 1 hour of shadow flicker per day 10 were non-participating receptors while 17 were participating. The non-participating receptor with the highest daily maximum shadow flicker duration modeled is receptor #207 at 1 hour and 50 minutes. The participating receptor with the highest daily maximum shadow flicker duration is receptor #134 at 1 hour and 32 minutes. These daily results do not account for daytime periods without sunshine, when the wind turbines are not operating, or when the orientation of the blades does not result in shadow flicker at the receptor.

6.3 Modeling Refinement – Obstacles

Results presented in Section 6.2 conservatively exclude obstacles such as vegetation and structures that may reduce actual shadow flicker at a sensitive receptor. A modeling analysis may be refined using obstacles for a more realistic prediction of shadow flicker durations. Vegetation and/or nearby structures may be entered into the model as obstacles with specific parameters, i.e., height, width, depth, angle, and porosity. Obstacle porosity is entered into WindPRO on a scale from 0 to 1 based on professional judgment by the modeler. Only obstacles with a porosity of 0.3 or less are considered by the model to block visual impacts. Examples include: walls, close grouping of trees or hedges, and rows of hedges. Therefore, porous obstacles, such as scattered hedges, would not be considered a blocking element to shadow flicker. Additionally, deciduous vegetation was conservatively assumed to have no impact on shadow flicker during the fall/winter seasons, which was approximated to be mid-September through April. A supplemental analysis incorporating obstacles was performed to refine the shadow flicker modeling at the 13 non-participating receptors expected to experience over 30 hours of flicker per year based on the modeling results of the Vestas V150-4.2 wind turbine type,[7] which displayed the greatest amount of annual shadow flicker of the five wind turbines in consideration.

To appropriately assess the shadow flicker impacts at receptors from nearby obstacles, a series of data were reviewed. The Applicant supplied Epsilon with photos and detailed notes of the 13 receptors to be evaluated. These photos were taken from multiple angles at publically accessible locations and supplemented with notes detailing the vegetation (type and height) in the vicinity of the building and approximate window dimensions.

The obstacle analysis refinement also included a close review of high-resolution aerial imagery. If Epsilon determined that the surrounding vegetation and/or structures could potentially reduce the shadow flicker at the building under review based on the photos, notes, and aerial imagery, additional modeling in WindPRO was implemented using refined discrete point locations to represent windows on relevant facades of the building.

Based on the refined modeling, it was determined that two of the 13 receptors (#80 and #217) would be expected to experience less than 30 hours per year of shadow flicker. Receptor #80 is in a heavily wooded location with significantly tall, coniferous trees immediately surrounding the building that would expect to completely eliminate shadow flicker from the Project that was initially predicted to occur during the evening time in summer months. Receptor #217 is in a heavily wooded location with significantly tall, coniferous trees immediately surrounding the building on three sides that would expect to

[7] These receptors are #80, 99, 112, 118, 120, 121, 123, 133, 154, 180, 207, 216, 217.

reduce expected annual shadow flicker from the Project to 8 hours, 1 minute.[8] The shadow flicker at this location is expected to occur during the early morning in the summer. Late evening flicker during the late spring and summer months will be eliminated.

Vegetation and/or structures in the vicinity of the other 11 non-participating receptors exceeding 30 hours per year do not result in quantifiable reductions which result in expected annual shadow flicker of less than 30 hours per year. In some instances, no reduction is expected, and in other cases there is a reduction but not significant enough to reduce the duration of shadow flicker below the design goal. This analysis is still conservative as the software package only reduces shadow flicker if the entire blade is shielded from view due to the obstacle. Reductions due to part of the blade being obstructed are not calculated by the modeling software. Shadow flicker duration reductions calculated under the Vestas wind turbine scenario would also be expected for the four other turbine types currently under consideration for this Project.

[8] Maximum worst-case shadow flicker at Receptor #217 is predicted to be 26 hours, 9 minutes per year; the maximum number of days per year of flicker is 66 days; the maximum flicker duration per day is 27 minutes.

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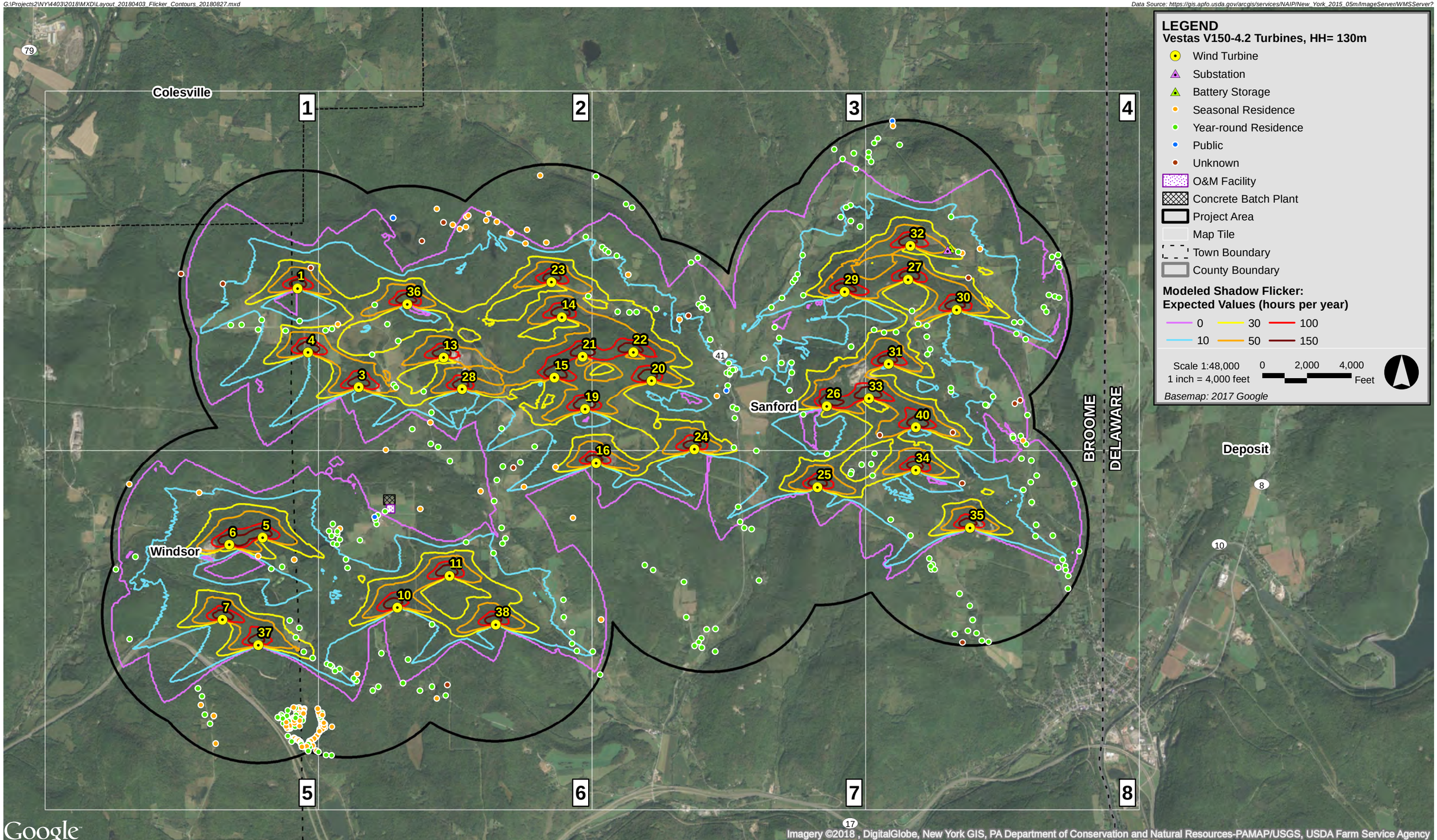

Bluestone Wind **Broome County, New York**

Epsilon ASSOCIATES INC.

Figure 6-2, Index

Shadow Flicker Modeling Results

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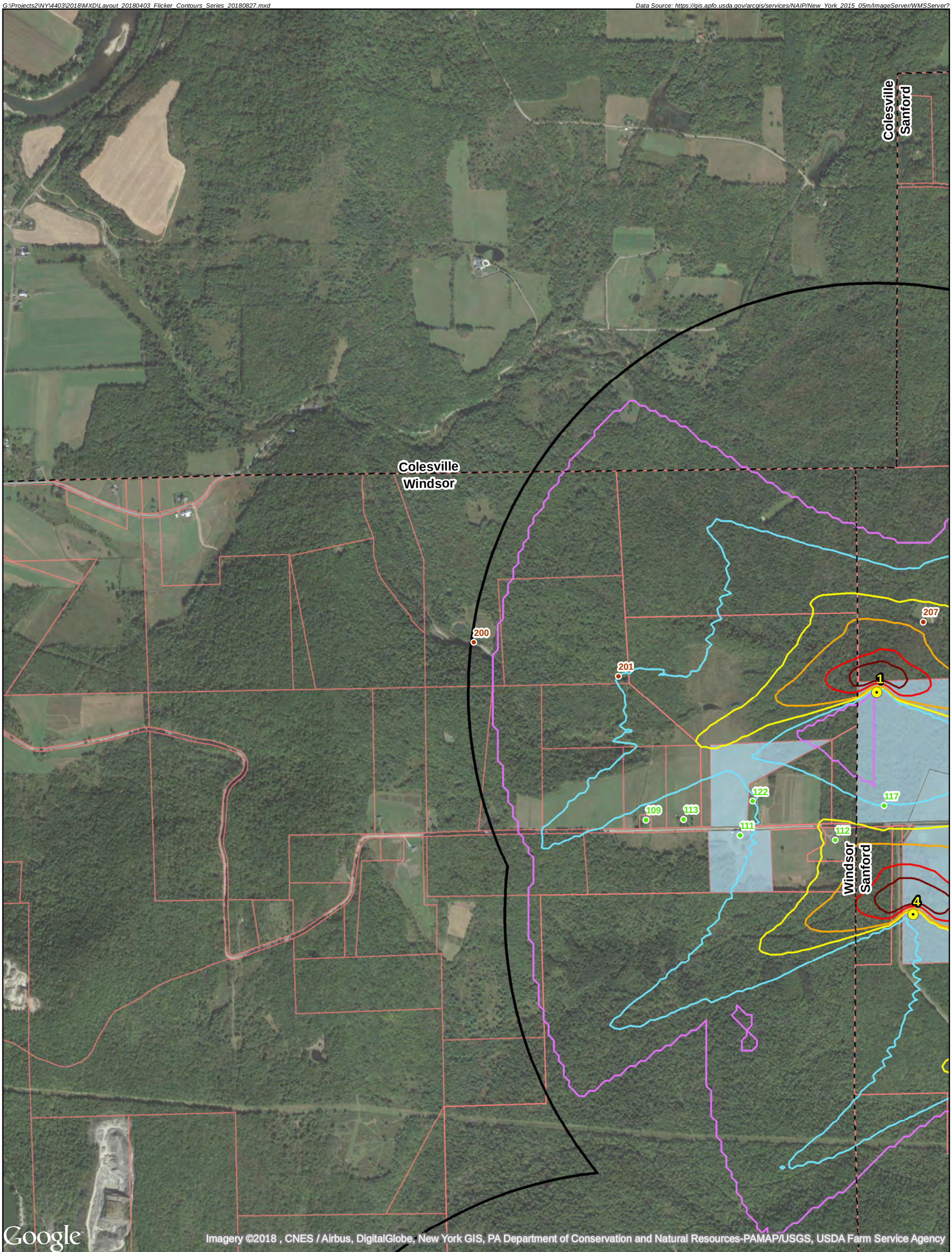
Data Source: https://gis.apfo.usda.gov/arcgis/services/NAIP/New_York_2015_05m/ImageServer/WMSServer?



LEGEND

Vestas V150-4.2 Turbines, HH= 130m

- Wind Turbine
- Project Area
- Town Boundary
- County Boundary
- Seasonal Residence
- Year-round Residence
- Public
- Unknown
- Participating Parcel
- Non-Participating Parcel
- Substation
- Battery Storage
- O&M Facility
- Concrete Batch Plant

Modeled Shadow Flicker: Expected Values (hours per year)

0, 10, 30, 50, 100, 150

Scale 1:14,400
1 inch = 1,200 feet

0 600 1,200 Feet

Basemap: 2017 Google

Bluestone Wind **Broome County, New York**

Epsilon Associates Inc.

Figure 6-2, Map 1 of 8

Shadow Flicker Modeling Results

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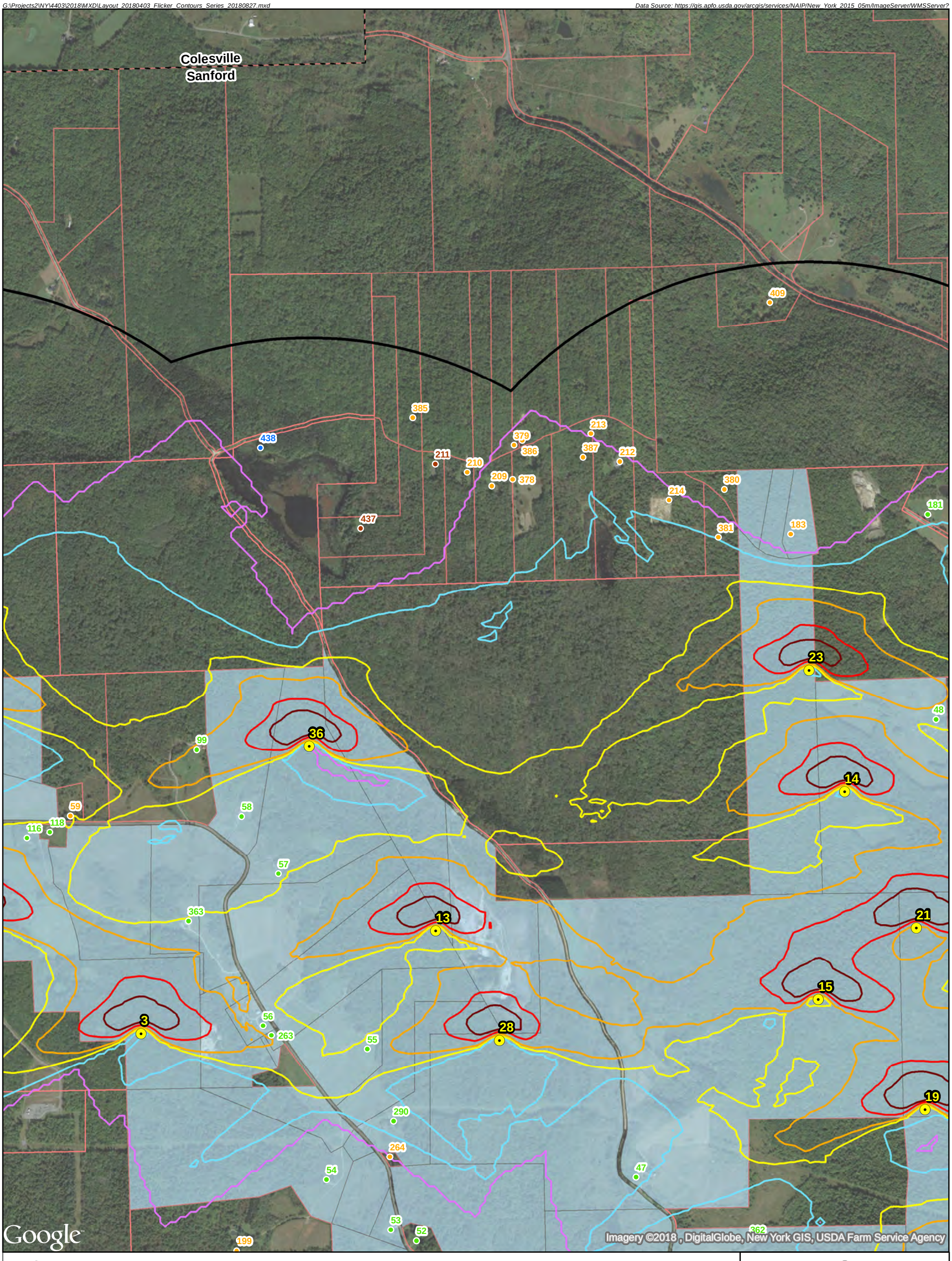
Data Source: https://gis.apfo.usda.gov/arcgis/services/NAIP/New_York_2015_05m/ImageServer/WMSServer?



LEGEND

Vestas V150-4.2 Turbines, HH= 130m

- Wind Turbine
- Project Area
- Town Boundary
- County Boundary
- Seasonal Residence
- Year-round Residence
- Public
- Unknown
- Participating Parcel
- Non-Participating Parcel
- Substation
- Battery Storage
- O&M Facility
- Concrete Batch Plant

Modeled Shadow Flicker: Expected Values (hours per year)

0, 10, 30, 50, 100, 150

Scale 1:14,400
1 inch = 1,200 feet

0 600 1,200 Feet

Basemap: 2017 Google

Bluestone Wind **Broome County, New York**

Epsilon Associates Inc.

Figure 6-2, Map 2 of 8

Shadow Flicker Modeling Results

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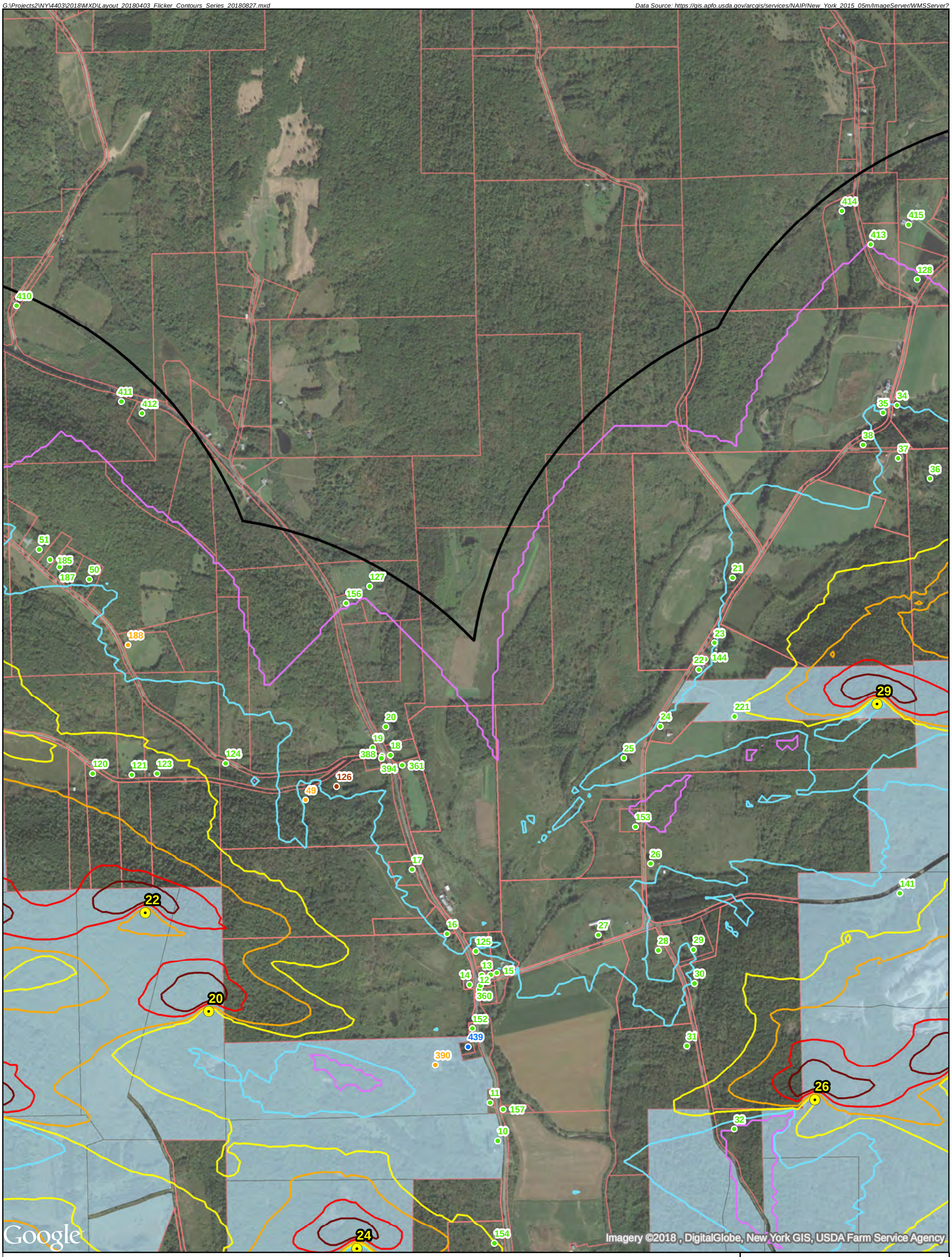

LEGEND

Vestas V150-4.2 Turbines, HH= 130m

- Wind Turbine
- Project Area
- Town Boundary
- County Boundary
- Seasonal Residence
- Year-round Residence
- Public
- Unknown
- Participating Parcel
- Non-Participating Parcel
- Substation
- Battery Storage
- O&M Facility
- Concrete Batch Plant

Modeled Shadow Flicker: Expected Values (hours per year)

0, 10, 30, 50, 100, 150

Scale 1:14,400
1 inch = 1,200 feet

0 600 1,200 Feet

Basemap: 2017 Google

Bluestone Wind **Broome County, New York**

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Figure 6-2, Map 3 of 8

Shadow Flicker Modeling Results

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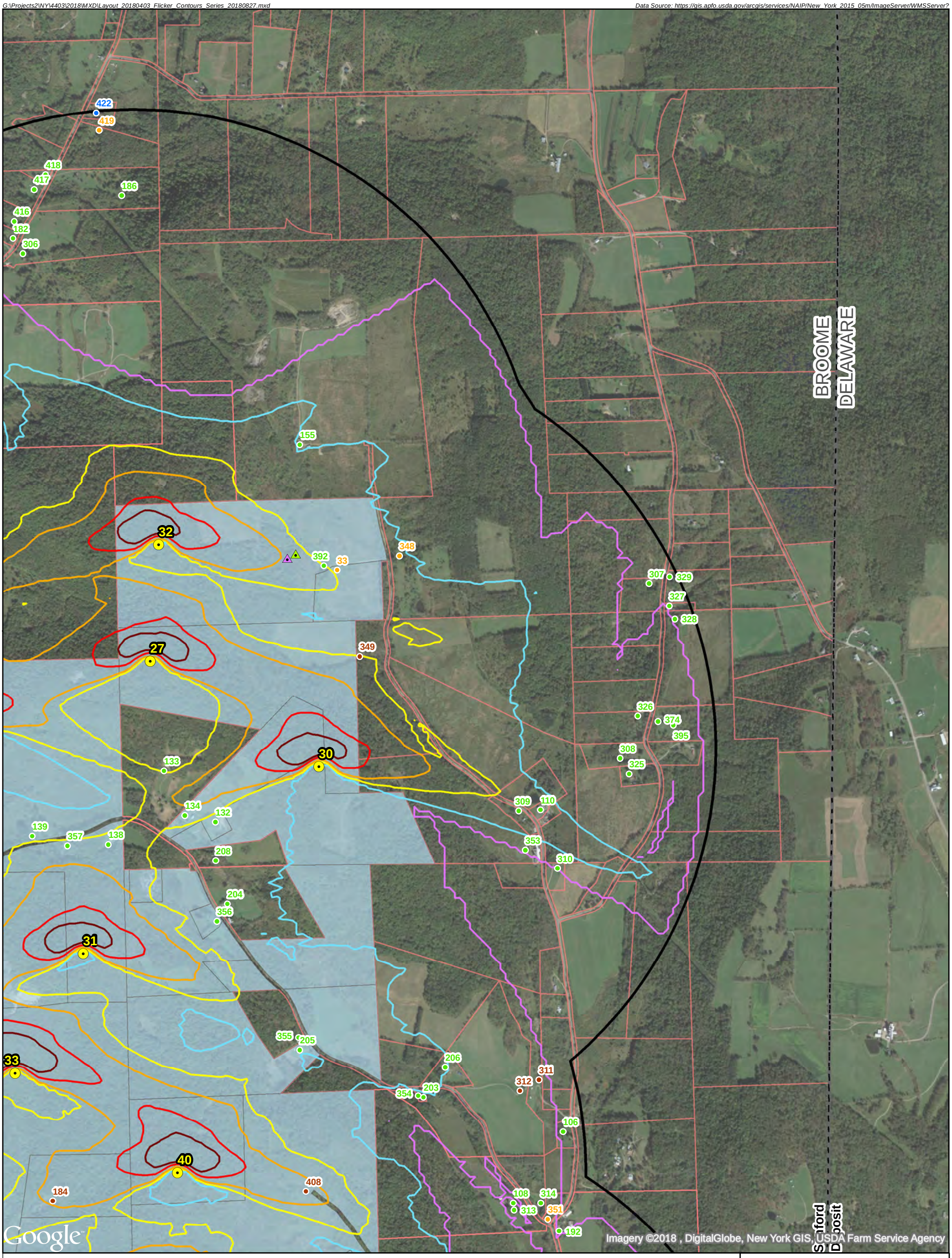

LEGEND

Vestas V150-4.2 Turbines, HH= 130m

- Wind Turbine
- Project Area
- Town Boundary
- County Boundary
- Seasonal Residence
- Year-round Residence
- Public
- Unknown
- Participating Parcel
- Non-Participating Parcel
- Substation
- Battery Storage
- O&M Facility
- Concrete Batch Plant

Modeled Shadow Flicker: Expected Values (hours per year)

0, 10, 30, 50, 100, 150

Scale 1:14,400
1 inch = 1,200 feet

0 600 1,200 Feet

Basemap: 2017 Google

Bluestone Wind **Broome County, New York**

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Figure 6-2, Map 4 of 8

Shadow Flicker Modeling Results

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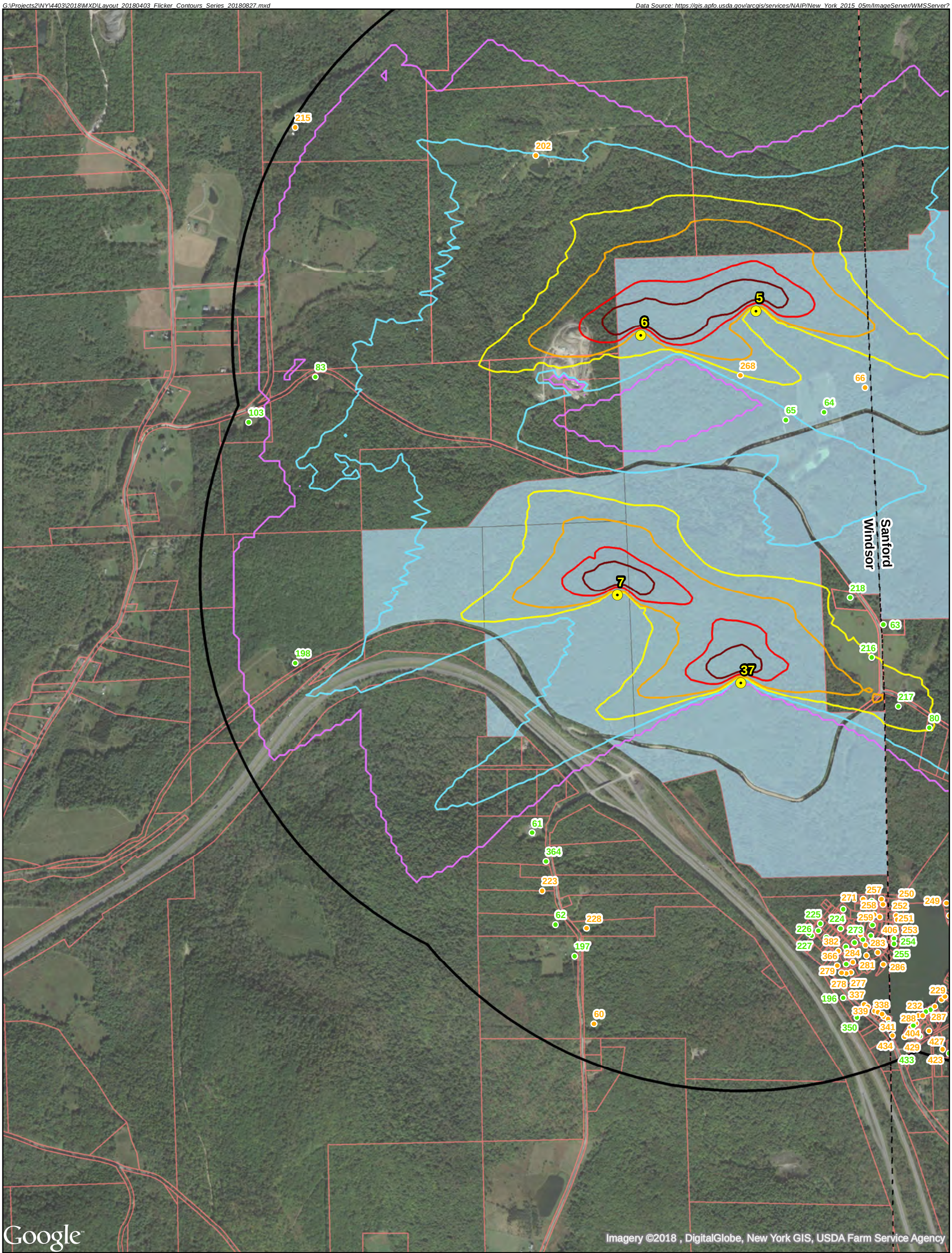

LEGEND

Vestas V150-4.2 Turbines, HH= 130m

- Wind Turbine
- Project Area
- Town Boundary
- County Boundary
- Seasonal Residence
- Year-round Residence
- Public
- Unknown
- Participating Parcel
- Non-Participating Parcel
- Substation
- Battery Storage
- O&M Facility
- Concrete Batch Plant

Modeled Shadow Flicker: Expected Values (hours per year)

0, 10, 30, 50, 100, 150

Scale 1:14,400
1 inch = 1,200 feet

0 600 1,200 Feet

Basemap: 2017 Google

Bluestone Wind **Broome County, New York**

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Figure 6-2, Map 5 of 8

Shadow Flicker Modeling Results

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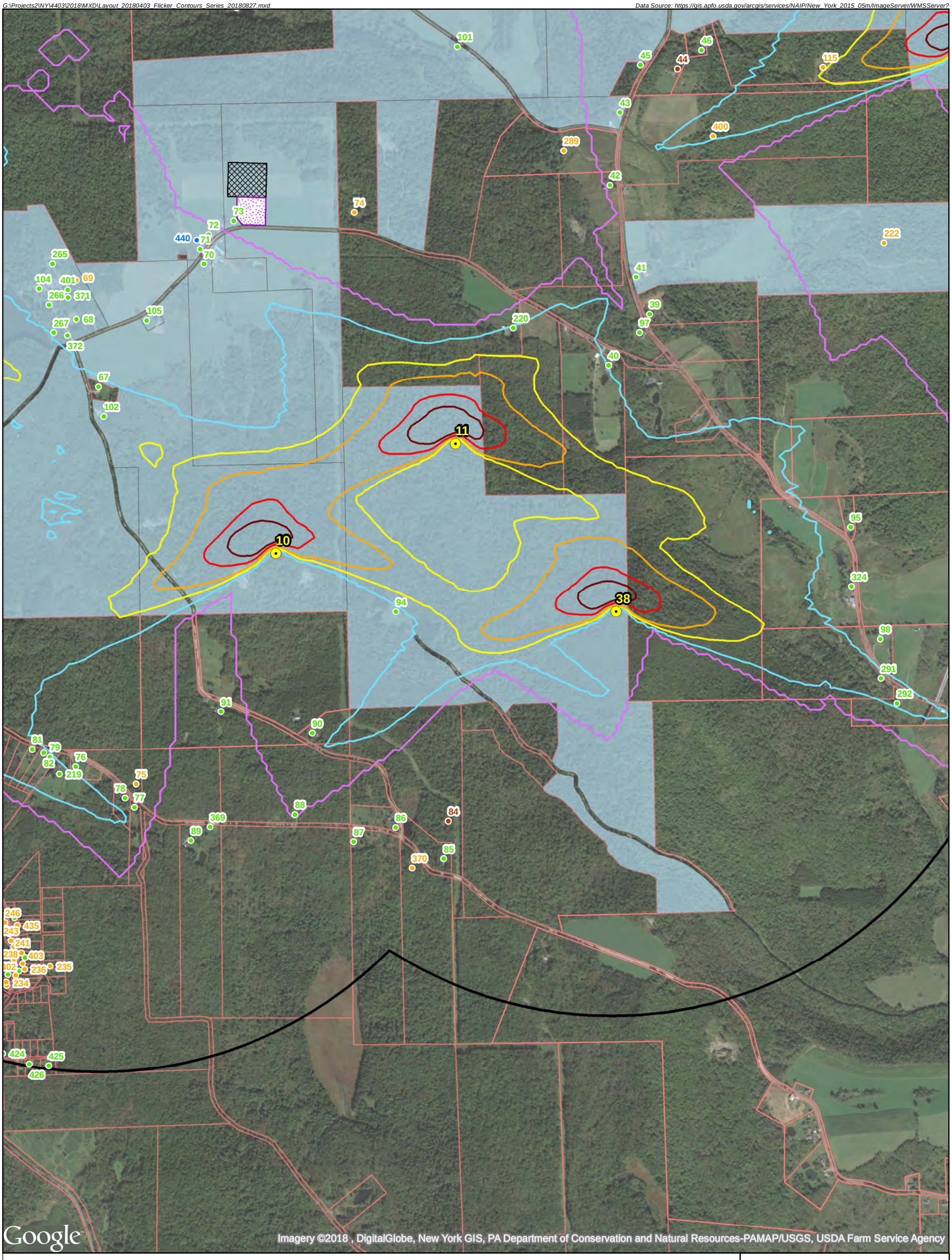

LEGEND

Vestas V150-4.2 Turbines, HH= 130m

- Wind Turbine
- Project Area
- Town Boundary
- County Boundary
- Seasonal Residence
- Year-round Residence
- Public
- Unknown
- Participating Parcel
- Non-Participating Parcel
- Substation
- Battery Storage
- O&M Facility
- Concrete Batch Plant

Modeled Shadow Flicker: Expected Values (hours per year)

0, 10, 30, 50, 100, 150

Scale 1:14,400
1 inch = 1,200 feet

0 600 1,200 Feet

Basemap: 2017 Google

Bluestone Wind **Broome County, New York**

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Figure 6-2, Map 6 of 8

Shadow Flicker Modeling Results

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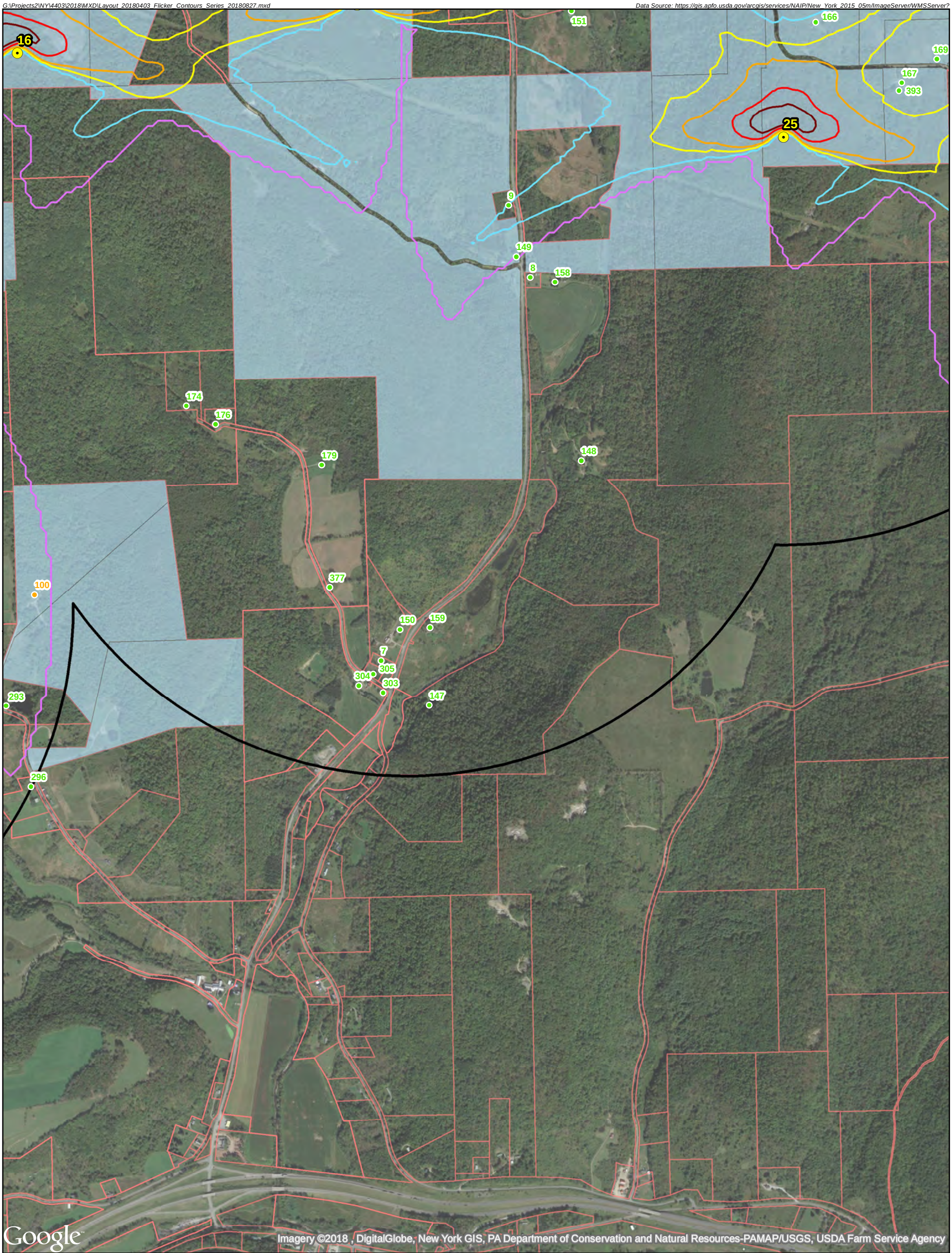

LEGEND

Vestas V150-4.2 Turbines, HH= 130m

- Wind Turbine
- Project Area
- Town Boundary
- County Boundary
- Seasonal Residence
- Year-round Residence
- Public
- Unknown
- Participating Parcel
- Non-Participating Parcel
- Substation
- Battery Storage
- O&M Facility
- Concrete Batch Plant

Modeled Shadow Flicker: Expected Values (hours per year)

0, 10, 30, 50, 100, 150

Scale 1:14,400
1 inch = 1,200 feet

0 600 1,200 Feet

Basemap: 2017 Google

Bluestone Wind **Broome County, New York**

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Figure 6-2, Map 7 of 8

Shadow Flicker Modeling Results

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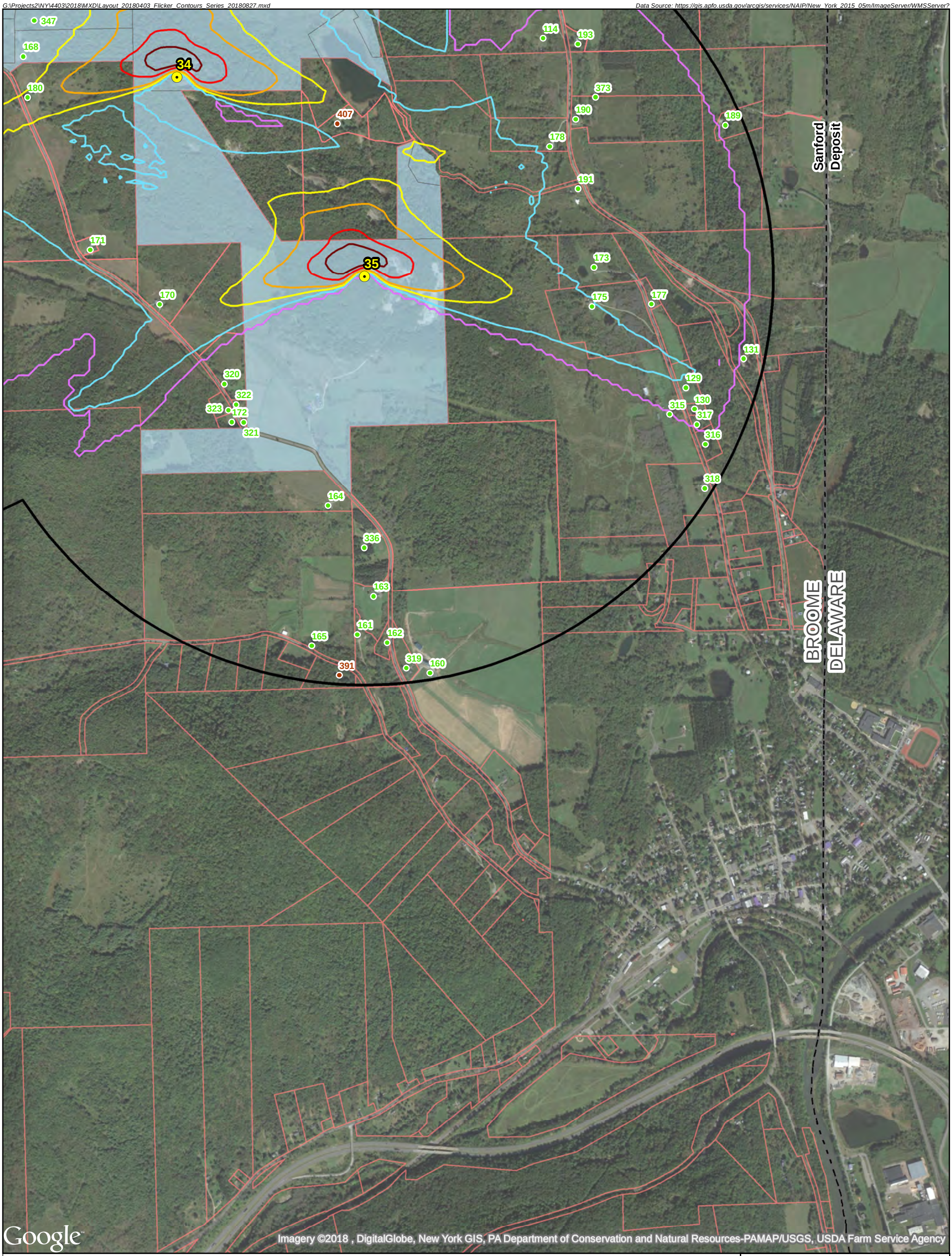

LEGEND

Vestas V150-4.2 Turbines, HH= 130m

- Wind Turbine
- Project Area
- Town Boundary
- County Boundary
- Seasonal Residence
- Year-round Residence
- Public
- Unknown
- Participating Parcel
- Non-Participating Parcel
- Substation
- Battery Storage
- O&M Facility
- Concrete Batch Plant

Modeled Shadow Flicker: Expected Values (hours per year)

0, 10, 30, 50, 100, 150

Scale 1:14,400
1 inch = 1,200 feet

0 600 1,200 Feet

Basemap: 2017 Google

Bluestone Wind **Broome County, New York**

Epsilon Associates Inc.

Figure 6-2, Map 8 of 8

Shadow Flicker Modeling Results

7.0 EVALUATION

7.1 Design Goal

The design goal for this project with respect to shadow flicker is a duration limit of 30 hours per year at non-participating receptors. The modeling predicts that 13 non-participating receptors may experience over 30 hours of shadow flicker during the year with a maximum expected annual duration of 56 hours and 45 minutes (ID# 99) with the Vestas V150-4.2. This analysis is conservative in that sensitive receptor locations were treated as "greenhouses." Obstacles such as structures and vegetation were conservatively excluded from the initial analysis, but were included in a refined analysis using conservative assumptions for a subset of receptors as described in Section 6.3. The modeling refinement lowered two of the 13 non-participating receptors to below 30 hours/year of shadow flicker.

7.2 Mitigation

While the Applicant seeks to minimize shadow flicker exposure at the homes in the area as much as possible while also meeting the other constraints of the Project design, it is not possible to completely eliminate shadow flicker. In cases where shadow flicker occurs at a receptor above the 30-hour-per year design goal, it is Epsilon's understanding that the applicant will address shadow flicker complaints through the following process:

- Meet with the homeowner to determine the specifics of their complaint.
- Investigate the cause of the complaint.
- Provide the homeowner with reasonable mitigation alternatives including as appropriate, shades, blinds, awnings, or plantings to significantly reduce the number of hours of shadow flicker inside the home.
- Having the landowner sign a good neighbor agreement and become a Project participant.
- Investigate operational controls at appropriate wind turbines contributing to greater than 30 hours per year of shadow flicker.

8.0 CONCLUSIONS

A shadow flicker analysis was conducted to determine the location of shadow flicker and evaluate the duration of shadow flicker in the vicinity of the proposed Bluestone Wind Project. In the absence of a regulatory limit, a design goal of 30 hours per year at non-participating receptors of expected shadow flicker was established by agreement. The modeling analysis included the 33 turbines for this Project. The duration of shadow flicker was calculated at 392 discrete modeling points, and isolines were generated from a grid encompassing the area surrounding the wind turbines for the Vestas V150-4.2, which displayed the most adverse impacts in the amount of annual shadow flicker.

All five turbine models under consideration by the Applicant were analyzed using WindPRO to assess their shadow flicker impacts. This analysis showed that each of the five models exceeded the design goal of 30 hours per year of shadow flicker. The number of receptors (including participating receptors) exceeding the 30 hour design goal for the five turbine models ranged from 18 for the General Electric GE3.8-137 model to 27 for the Vestas V150-4.2 model. Of the 27 locations expected to have over 30 hours of shadow flicker per year with the Vestas model, 13 are on non-participating parcels. The maximum annual shadow flicker impact at a single location is 62 hours, 1 minute (participating) and 56 hours, 45 minutes (non-participating).

As previously noted, the initial analysis performed with WindPRO is conservative since it does not take account of real world factors such as the screening effects of obstacles like buildings and trees, or the orientation of windows. A refined analysis including obstacles and realistic window positioning was performed for the 13 non-participating receptors expected to have over 30 hours per year of shadow flicker per year with the Vestas model. Of the 13 non-participating receptors evaluated, two are expected to experience less than 30 hours of flicker per year once obstacles and window positioning are considered.

As previously noted, available studies show that wind turbines do not directly impact public health—in particular, they do not trigger photosensitive epilepsy because the frequency is well below that identified as potentially triggering seizures. To the extent the turbines potentially cause annoyance, owners of participating receptors may be compensated for that annoyance by the Applicant.

With respect to non-participating receptors, the Applicant intends to prepare an updated shadow flicker analysis once the final turbine model has been selected and the turbine layout has been finalized. This analysis will take into account factors like window orientation and obstacles such as trees and buildings in analyzing shadow flicker impacts. If the modeled results exceed 30 hours per year, the Applicant has committed to working with non-participants to reach a mutually agreeable solution. Options include:

- Providing the homeowner with reasonable mitigation alternatives including, as appropriate, shades, blinds, awnings, or plantings to significantly reduce the number of hours of shadow flicker inside the home;

- Having the landowner sign a good neighbor agreement and become a Project participant; or

- Investigate operational controls at appropriate wind turbines contributing to greater than 30 hours per year of shadow flicker.

Appendix A
Wind Turbines in the WindPRO Model

Table A-1: Wind Turbines in the WindPRO Model

ID	Coordinates New York State Plane Central-NAD83 (meters)		Base Elevation
	X	Y	Z
	(m)	(m)	(m)
1	335112.44	235192.13	550.0
3	335943.89	233843.76	539.9
4	335256.09	234317.39	560.0
5	334636.14	231791.38	560.0
6	334182.63	231696.92	560.0
7	334090.30	230672.43	580.0
10	336474.85	230837.06	524.7
11	337183.08	231269.05	510.3
13	337104.93	234248.55	560.0
14	338716.83	234797.67	600.0
15	338613.97	233977.29	584.5
16	339185.94	232808.19	589.9
19	339034.34	233543.92	556.5
20	339939.79	233931.60	586.8
21	338999.96	234259.60	610.0
22	339690.60	234320.32	610.0
23	338576.88	235276.36	580.0
24	340524.21	232998.09	550.0
25	342203.82	232478.88	540.0
26	342330.17	233584.31	580.0
27	343438.78	235312.62	600.0
28	337356.89	233817.43	559.4
29	342574.81	235144.01	569.2
30	344103.77	234897.83	566.4
31	343174.26	234160.85	590.0
32	343472.50	235773.12	580.0
33	342907.14	233690.52	554.5
34	343544.71	232713.66	589.4
35	344283.24	231929.04	560.0
36	336606.67	234976.11	550.0
37	334577.28	230326.80	550.0
38	337816.30	230607.59	530.0
40	343546.70	233298.10	583.4

Internal Note: Coordinates and Z from WindPro

Appendix B

Shadow Flicker Modeling Results – Hours Per Year

Table B-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
7	Non-Participating	340,619.01	230,414.74	0:00
8	Non-Participating	341,206.90	231,923.63	0:00
9	Non-Participating	341,121.66	232,207.19	9:07
10	Participating	341,079.81	233,420.36	13:01
11	Non-Participating	341,049.27	233,571.17	13:24
12	Non-Participating	341,006.81	234,016.54	12:59
13	Non-Participating	341,016.71	234,074.59	10:31
14	Non-Participating	340,968.84	234,036.14	13:27
15	Non-Participating	341,076.95	234,083.32	9:26
16	Non-Participating	340,879.71	234,236.86	7:55
17	Non-Participating	340,742.44	234,490.20	7:04
18	Non-Participating	340,657.22	234,941.38	6:03
19	Non-Participating	340,588.07	234,970.56	4:35
20	Non-Participating	340,638.92	235,053.44	2:50
21	Non-Participating	342,005.50	235,640.05	11:30
22	Non-Participating	341,872.67	235,277.59	8:01
23	Non-Participating	341,934.99	235,383.33	7:54
24	Non-Participating	341,721.59	235,055.03	9:08
25	Non-Participating	341,578.11	234,929.83	10:36
26	Non-Participating	341,682.02	234,513.38	6:49
27	Non-Participating	341,476.66	234,231.74	3:51
28	Non-Participating	341,713.34	234,171.52	10:55
29	Non-Participating	341,851.95	234,174.27	8:31
30	Non-Participating	341,855.46	234,041.23	9:06
31	Non-Participating	341,824.93	233,794.99	11:47
32	Non-Participating	342,012.49	233,466.68	0:00
33	Participating	344,177.40	235,671.76	21:26
34	Non-Participating	342,654.65	236,319.69	8:32
35	Non-Participating	342,599.16	236,290.69	9:11
36	Non-Participating	342,784.48	236,030.56	15:18
37	Non-Participating	342,658.75	236,111.13	10:39
38	Non-Participating	342,520.52	236,163.69	7:28
39	Non-Participating	337,948.82	231,778.99	4:29
40	Non-Participating	337,786.46	231,577.83	7:55
41	Participating	337,895.35	231,924.61	5:56
42	Non-Participating	337,793.49	232,287.20	6:45
43	Participating	337,831.92	232,573.72	3:16
44	Non-Participating	338,058.38	232,745.47	4:09
45	Non-Participating	337,913.04	232,761.35	3:09
46	Non-Participating	338,154.23	232,818.74	4:37
47	Participating	337,895.97	233,277.19	7:35

Table B-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
48	Participating	339,078.04	235,081.18	30:34
49	Non-Participating	340,323.61	234,764.77	9:48
50	Non-Participating	339,469.06	235,633.18	8:03
51	Non-Participating	339,271.45	235,752.24	5:24
52	Non-Participating	337,029.73	233,025.30	0:00
53	Participating	336,928.74	233,068.67	0:00
54	Participating	336,675.58	233,267.47	0:00
55	Participating	336,836.24	233,782.14	32:48
56	Participating	336,425.06	233,873.49	36:48
57	Participating	336,486.51	234,473.33	23:28
58	Participating	336,340.64	234,698.00	22:44
59	Non-Participating	335,666.14	234,700.67	23:41
60	Non-Participating	333,999.20	228,981.15	0:00
61	Non-Participating	333,755.57	229,734.57	0:00
62	Non-Participating	333,847.32	229,373.27	0:00
63	Non-Participating	335,138.86	230,556.19	18:01
64	Participating	334,906.39	231,392.04	20:14
65	Participating	334,754.48	231,361.92	4:22
66	Participating	335,066.82	231,489.07	13:54
67	Non-Participating	335,776.17	231,493.65	11:45
68	Participating	335,690.38	231,758.87	4:29
69	Participating	335,688.52	231,912.75	3:43
70	Participating	336,191.79	231,976.63	4:43
71	Participating	336,177.55	232,034.57	3:45
72	Participating	336,211.03	232,092.03	1:11
73	Participating	336,308.92	232,146.29	0:00
74	Non-Participating	336,785.25	232,179.98	0:00
75	Non-Participating	335,925.26	229,927.91	4:08
76	Non-Participating	335,686.43	229,995.80	7:14
77	Non-Participating	335,918.39	229,834.92	5:30
78	Non-Participating	335,881.54	229,871.20	5:31
79	Non-Participating	335,584.73	230,033.94	9:08
80	Non-Participating	335,320.05	230,148.41	27:06
81	Non-Participating	335,515.98	230,064.52	11:04
82	Non-Participating	335,560.99	230,050.90	9:19
83	Non-Participating	332,901.42	231,530.67	5:57
84	Non-Participating	337,155.97	229,781.81	0:00
85	Non-Participating	337,136.59	229,633.36	0:00
86	Non-Participating	336,947.73	229,755.79	0:00
87	Non-Participating	336,782.70	229,699.82	0:00
88	Non-Participating	336,550.90	229,807.21	0:00

Table B-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
89	Non-Participating	336,140.59	229,704.67	0:00
90	Non-Participating	336,618.43	230,128.16	5:26
91	Non-Participating	336,259.64	230,212.38	0:00
94	Participating	336,949.89	230,606.28	6:28
95	Non-Participating	338,742.06	230,940.07	3:41
97	Non-Participating	337,909.23	231,706.50	5:15
98	Non-Participating	338,859.13	230,498.68	5:38
99	Non-Participating	336,164.15	234,962.10	46:42
100	Participating	339,253.95	230,673.50	2:09
101	Participating	337,191.41	232,831.80	0:00
102	Participating	335,797.20	231,375.53	20:21
103	Non-Participating	332,637.99	231,353.47	0:00
104	Participating	335,542.47	231,879.12	6:13
105	Participating	335,966.89	231,753.98	4:55
106	Non-Participating	345,067.46	233,458.47	0:00
108	Non-Participating	344,870.69	233,176.87	0:00
109	Non-Participating	334,203.96	234,687.99	3:27
110	Non-Participating	344,977.78	234,726.38	14:36
111	Participating	334,574.05	234,626.42	7:32
112	Non-Participating	334,950.38	234,608.63	31:31
113	Non-Participating	334,353.04	234,690.06	4:36
114	Non-Participating	344,987.88	232,865.77	3:15
115	Non-Participating	338,632.36	232,751.57	22:37
116	Participating	335,494.72	234,613.35	34:20
117	Participating	335,142.48	234,743.07	9:42
118	Non-Participating	335,584.82	234,635.80	28:15
120	Non-Participating	339,482.91	234,868.46	33:31
121	Non-Participating	339,638.33	234,862.63	34:17
122	Non-Participating	334,624.66	234,761.27	8:09
123	Non-Participating	339,736.51	234,867.53	33:43
124	Non-Participating	340,007.16	234,908.55	18:13
125	Non-Participating	340,993.89	234,167.74	9:08
126	Non-Participating	340,445.02	234,817.50	7:04
127	Non-Participating	340,575.54	235,607.14	0:00
128	Non-Participating	342,733.56	236,815.89	0:17
129	Non-Participating	345,549.53	231,489.59	7:46
130	Non-Participating	345,584.55	231,404.78	3:49
131	Non-Participating	345,777.42	231,603.52	0:00
132	Participating	343,696.12	234,679.31	19:23
133	Non-Participating	343,494.66	234,880.42	24:44
134	Participating	343,576.49	234,704.89	35:25

Table B-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
138	Participating	343,275.28	234,590.37	31:47
139	Participating	342,974.92	234,623.28	24:31
141	Participating	342,664.93	234,395.97	11:42
144	Non-Participating	341,897.78	235,318.44	7:56
147	Non-Participating	340,809.21	230,238.36	0:00
148	Non-Participating	341,407.60	231,202.37	0:00
149	Participating	341,152.14	232,004.80	0:00
150	Non-Participating	340,693.19	230,535.73	0:00
151	Non-Participating	341,369.51	232,973.70	13:02
152	Non-Participating	340,979.59	233,862.74	14:45
153	Non-Participating	341,622.77	234,658.38	0:46
154	Non-Participating	341,066.41	233,017.48	27:04
155	Non-Participating	344,029.65	236,165.66	8:02
156	Non-Participating	340,482.25	235,539.69	0:00
157	Non-Participating	341,100.85	233,545.46	13:20
158	Non-Participating	341,305.07	231,905.58	0:00
159	Non-Participating	340,812.42	230,544.35	0:00
160	Non-Participating	344,541.82	230,365.07	0:00
161	Non-Participating	344,255.60	230,516.44	0:00
162	Non-Participating	344,372.76	230,484.95	0:00
163	Non-Participating	344,320.07	230,668.28	0:00
164	Non-Participating	344,140.90	231,025.41	0:00
165	Non-Participating	344,075.91	230,472.46	0:00
166	Participating	342,332.55	232,929.63	11:55
167	Participating	342,671.36	232,690.59	19:41
168	Participating	342,938.87	232,793.74	17:32
169	Participating	342,808.80	232,783.79	16:14
170	Non-Participating	343,477.72	231,817.82	12:47
171	Non-Participating	343,202.37	232,031.90	14:42
172	Non-Participating	343,761.03	231,354.62	0:00
173	Non-Participating	345,188.05	231,964.06	6:04
174	Non-Participating	339,852.67	231,417.16	0:00
175	Non-Participating	345,180.52	231,808.74	9:25
176	Non-Participating	339,966.86	231,346.11	0:00
177	Non-Participating	345,413.96	231,818.19	4:53
178	Non-Participating	345,012.80	232,439.17	7:41
179	Non-Participating	340,385.40	231,185.05	0:00
180	Non-Participating	342,956.89	232,633.22	31:00
181	Non-Participating	339,045.58	235,889.18	6:45
182	Non-Participating	342,898.74	236,978.73	0:00
183	Participating	338,505.60	235,812.05	0:00

Table B-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
184	Participating	343,055.87	233,185.69	47:26
185	Non-Participating	339,315.79	235,711.42	5:11
186	Non-Participating	343,327.72	237,147.27	0:00
187	Non-Participating	339,353.98	235,681.81	5:14
188	Non-Participating	339,623.53	235,375.44	7:12
189	Non-Participating	345,705.71	232,523.62	0:00
190	Non-Participating	345,115.72	232,546.57	3:22
191	Non-Participating	345,125.98	232,273.64	4:06
192	Non-Participating	345,050.58	233,066.89	0:00
193	Non-Participating	345,123.85	232,842.60	4:35
194	Non-Participating	335,419.22	229,176.86	0:00
195	Non-Participating	335,025.84	229,302.51	0:00
196	Non-Participating	334,981.10	229,083.45	0:00
197	Non-Participating	333,923.45	229,248.37	0:00
198	Non-Participating	332,822.67	230,403.22	4:00
199	Non-Participating	336,321.22	232,985.79	0:00
200	Non-Participating	333,525.42	235,386.75	0:00
201	Non-Participating	334,095.49	235,253.68	8:51
202	Non-Participating	333,769.80	232,404.10	8:33
203	Non-Participating	344,516.83	233,594.15	7:24
204	Non-Participating	343,744.53	234,355.93	14:19
205	Participating	344,029.89	233,780.62	8:23
206	Non-Participating	344,602.35	233,712.48	12:16
207	Non-Participating	335,296.04	235,467.48	36:20
208	Non-Participating	343,697.30	234,526.86	11:01
209	Non-Participating	337,327.53	236,001.35	2:33
210	Non-Participating	337,229.49	236,055.82	0:00
211	Non-Participating	337,104.28	236,088.28	0:00
212	Non-Participating	337,832.56	236,097.90	0:58
213	Non-Participating	337,716.99	236,207.28	0:00
214	Non-Participating	338,026.44	235,945.98	2:34
215	Non-Participating	332,821.87	232,514.92	0:00
216	Non-Participating	335,093.90	230,425.80	26:15
217	Non-Participating	335,198.91	230,232.82	39:51
218	Non-Participating	335,008.66	230,661.24	20:32
219	Non-Participating	335,622.68	229,966.54	12:13
220	Non-Participating	337,411.59	231,725.22	9:17
221	Participating	342,013.52	235,093.05	24:26
222	Participating	338,873.00	232,058.55	0:00
223	Non-Participating	333,795.83	229,505.84	0:00
224	Non-Participating	334,970.68	229,357.17	0:00

Table B-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
225	Non-Participating	334,891.17	229,376.02	0:00
226	Non-Participating	334,882.71	229,348.13	0:00
227	Non-Participating	334,857.65	229,329.64	0:00
228	Non-Participating	333,969.22	229,358.27	0:00
229	Non-Participating	335,368.15	229,076.42	0:00
230	Non-Participating	335,325.82	229,037.26	0:00
231	Non-Participating	335,306.55	229,030.72	0:00
232	Non-Participating	335,276.28	229,015.03	0:00
233	Non-Participating	335,381.12	229,089.12	0:00
234	Non-Participating	335,414.52	229,134.43	0:00
235	Non-Participating	335,585.84	229,209.17	0:00
236	Non-Participating	335,484.58	229,197.64	0:00
237	Non-Participating	335,463.14	229,189.99	0:00
238	Non-Participating	335,443.62	229,217.77	0:00
239	Non-Participating	335,443.96	229,235.63	0:00
240	Non-Participating	335,486.95	229,243.90	0:00
241	Non-Participating	335,447.92	229,262.09	0:00
242	Non-Participating	335,442.96	229,286.23	0:00
243	Non-Participating	335,431.06	229,309.38	0:00
244	Non-Participating	335,425.43	229,336.50	0:00
245	Non-Participating	335,414.52	229,358.66	0:00
246	Non-Participating	335,408.57	229,381.48	0:00
247	Non-Participating	335,445.94	229,401.00	0:00
248	Non-Participating	335,399.24	229,408.04	0:00
249	Non-Participating	335,387.44	229,457.32	0:00
250	Non-Participating	335,201.53	229,457.55	0:00
251	Non-Participating	335,198.55	229,438.70	0:00
252	Non-Participating	335,189.95	229,407.94	0:00
253	Non-Participating	335,187.64	229,343.45	0:00
254	Non-Participating	335,181.03	229,317.65	0:00
255	Non-Participating	335,181.03	229,297.48	0:00
256	Non-Participating	335,153.24	229,342.46	0:00
257	Non-Participating	335,132.08	229,473.43	0:00
258	Non-Participating	335,137.37	229,451.60	0:00
259	Non-Participating	335,125.79	229,403.64	0:00
260	Non-Participating	335,101.98	229,412.24	0:00
261	Non-Participating	335,093.71	229,465.16	0:00
262	Non-Participating	335,096.03	229,370.57	0:00
263	Participating	336,458.19	233,835.69	38:20
264	Non-Participating	336,925.47	233,356.50	0:00
265	Participating	335,594.53	231,977.29	4:38

Table B-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
266	Participating	335,581.27	231,815.28	6:37
267	Participating	335,600.26	231,705.96	8:07
268	Participating	334,575.26	231,537.14	21:54
269	Non-Participating	334,981.61	229,433.51	0:00
271	Non-Participating	335,059.75	229,472.58	0:00
272	Non-Participating	335,050.02	229,330.04	0:00
273	Non-Participating	335,058.44	229,312.88	0:00
274	Non-Participating	334,991.91	229,284.75	0:00
275	Non-Participating	334,920.32	229,255.01	0:00
276	Non-Participating	334,914.58	229,323.11	0:00
277	Non-Participating	335,011.36	229,183.68	0:00
278	Non-Participating	334,992.01	229,180.10	0:00
279	Non-Participating	334,974.44	229,182.25	0:00
280	Non-Participating	334,992.36	229,217.02	0:00
281	Non-Participating	335,019.96	229,224.19	0:00
282	Non-Participating	335,079.46	229,207.34	0:00
283	Non-Participating	335,116.38	229,263.25	0:00
284	Non-Participating	335,073.45	229,251.31	0:00
285	Non-Participating	335,069.77	229,292.06	0:00
286	Non-Participating	335,139.17	229,215.50	0:00
287	Non-Participating	335,342.55	229,049.63	0:00
288	Non-Participating	335,293.45	229,014.86	0:00
289	Non-Participating	337,610.78	232,421.85	0:00
290	Participating	336,940.17	233,497.06	12:51
291	Non-Participating	338,860.88	230,343.97	11:47
292	Non-Participating	338,925.12	230,244.29	9:46
293	Non-Participating	339,141.92	230,235.71	5:49
296	Non-Participating	339,239.93	229,918.40	0:00
303	Non-Participating	340,627.37	230,287.76	0:00
304	Non-Participating	340,531.02	230,315.72	0:00
305	Non-Participating	340,588.33	230,360.86	0:00
306	Non-Participating	342,938.03	236,918.46	0:00
307	Non-Participating	345,406.15	235,618.42	0:00
308	Non-Participating	345,292.80	234,930.55	3:20
309	Non-Participating	344,892.19	234,722.46	16:55
310	Non-Participating	345,045.34	234,496.63	0:00
311	Non-Participating	344,972.16	233,663.75	1:44
312	Non-Participating	344,897.12	233,619.17	1:58
313	Non-Participating	344,874.70	233,150.13	0:00
314	Non-Participating	344,979.36	233,176.72	2:48
315	Non-Participating	345,486.60	231,384.20	0:00

Table B-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
316	Non-Participating	345,626.42	231,265.97	0:00
317	Non-Participating	345,594.03	231,344.33	0:00
318	Non-Participating	345,623.65	231,092.92	0:00
319	Non-Participating	344,448.58	230,384.67	0:00
320	Non-Participating	343,732.02	231,504.09	0:00
321	Non-Participating	343,807.33	231,352.64	0:00
322	Non-Participating	343,778.26	231,422.96	0:00
323	Non-Participating	343,747.52	231,399.98	0:00
324	Non-Participating	338,745.15	230,705.29	5:00
325	Non-Participating	345,327.67	234,867.94	3:26
326	Non-Participating	345,361.76	235,096.64	2:28
327	Non-Participating	345,486.92	235,529.50	0:00
328	Non-Participating	345,508.13	235,479.18	0:00
329	Non-Participating	345,488.17	235,645.09	0:00
336	Non-Participating	344,283.22	230,858.86	0:00
337	Non-Participating	335,063.07	229,058.63	0:00
338	Non-Participating	335,076.21	229,049.17	0:00
339	Non-Participating	335,105.13	229,033.13	0:00
340	Non-Participating	335,118.53	229,027.88	0:00
341	Non-Participating	335,141.40	229,010.79	0:00
342	Non-Participating	335,133.85	229,020.37	0:00
343	Non-Participating	335,158.48	229,000.81	0:00
344	Non-Participating	335,161.11	228,983.20	0:00
345	Non-Participating	335,165.58	228,970.58	0:00
347	Participating	342,982.73	232,934.90	15:44
348	Non-Participating	344,422.24	235,727.15	9:18
349	Participating	344,265.39	235,331.48	26:47
350	Non-Participating	335,034.93	229,007.57	0:00
351	Non-Participating	345,006.87	233,113.24	2:55
353	Non-Participating	344,918.82	234,567.99	0:00
354	Non-Participating	344,495.84	233,600.35	7:09
355	Non-Participating	344,024.23	233,828.84	15:34
356	Participating	343,702.13	234,287.71	17:14
357	Participating	343,113.63	234,584.82	30:48
360	Non-Participating	341,011.74	234,032.89	11:57
361	Non-Participating	340,703.75	234,900.99	6:57
362	Participating	338,345.89	233,030.41	5:22
363	Participating	336,130.87	234,286.29	27:48
364	Non-Participating	333,810.00	229,622.00	0:00
365	Non-Participating	335,449.32	229,173.95	0:00
366	Non-Participating	334,957.44	229,211.36	0:00

Table B-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
367	Non-Participating	335,143.74	229,291.99	0:00
368	Non-Participating	335,089.70	229,329.51	0:00
369	Non-Participating	336,217.08	229,757.63	0:00
370	Non-Participating	337,013.01	229,595.84	0:00
371	Participating	335,656.83	231,843.96	5:17
372	Participating	335,654.04	231,694.20	7:25
373	Non-Participating	345,194.33	232,633.78	2:49
374	Non-Participating	345,441.19	235,075.17	2:13
377	Non-Participating	340,416.62	230,703.35	0:00
378	Non-Participating	337,408.76	236,027.93	3:12
379	Non-Participating	337,415.28	236,162.68	4:11
380	Non-Participating	338,243.81	235,988.41	0:00
381	Non-Participating	338,219.93	235,798.87	7:27
382	Non-Participating	334,962.23	229,267.84	0:00
385	Non-Participating	337,015.73	236,271.48	0:00
386	Non-Participating	337,446.94	236,180.49	3:39
387	Non-Participating	337,687.63	236,115.76	3:17
388	Non-Participating	340,623.75	234,937.34	5:51
389	Non-Participating	341,051.54	234,075.51	9:55
390	Participating	340,833.84	233,719.46	18:35
391	Non-Participating	344,183.74	230,356.78	0:00
392	Participating	344,124.42	235,688.44	25:09
393	Participating	342,660.39	232,660.56	21:03
394	Non-Participating	340,621.60	234,929.14	6:03
395	Non-Participating	345,501.77	235,060.08	2:04
400	Non-Participating	338,199.16	232,479.56	9:31
401	Participating	335,656.19	231,874.96	4:58
402	Non-Participating	335,477.50	229,219.02	0:00
403	Non-Participating	335,473.51	229,262.07	0:00
404	Non-Participating	335,268.04	228,984.41	0:00
405	Non-Participating	335,411.54	229,146.82	0:00
406	Non-Participating	335,193.90	229,392.40	0:00
407	Non-Participating	344,177.55	232,529.49	16:04
408	Participating	344,054.32	233,223.52	54:10
409	Non-Participating	338,424.04	236,725.09	0:00
410	Non-Participating	339,182.66	236,713.13	0:00
411	Non-Participating	339,596.75	236,334.92	0:00
412	Non-Participating	339,677.98	236,287.76	0:00
413	Non-Participating	342,550.55	236,953.57	0:00
414	Non-Participating	342,436.58	237,086.18	0:00
415	Non-Participating	342,699.73	237,031.77	0:00

Table B-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
416	Non-Participating	342,904.14	237,045.50	0:00
417	Non-Participating	342,982.14	237,171.00	0:00
418	Non-Participating	343,027.39	237,230.08	0:00
419	Non-Participating	343,238.22	237,404.60	0:00
422	Non-Participating	343,226.75	237,472.54	0:00
423	Non-Participating	335,373.54	228,881.72	0:00
424	Non-Participating	335,399.08	228,865.72	0:00
425	Non-Participating	335,580.04	228,817.52	0:00
426	Non-Participating	335,503.15	228,822.61	0:00
427	Non-Participating	335,319.25	228,953.71	0:00
428	Non-Participating	335,284.40	228,933.03	0:00
429	Non-Participating	335,223.24	228,930.42	0:00
430	Non-Participating	335,245.61	228,965.24	0:00
431	Non-Participating	335,257.51	228,973.94	0:00
432	Non-Participating	335,237.55	228,942.96	0:00
433	Non-Participating	335,259.98	228,881.12	0:00
434	Non-Participating	335,174.94	228,935.63	0:00
435	Non-Participating	335,455.48	229,370.18	0:00
436	Non-Participating	334,845.20	229,337.96	0:00
437	Non-Participating	336,810.77	235,834.82	0:00
438	Non-Participating	336,415.85	236,151.48	0:00
439	Non-Participating	340,963.13	233,791.22	16:10
440	Non-Participating	336,163.73	232,070.18	2:46

Table B-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
7	Non-Participating	340,619.01	230,414.74	0:00
8	Non-Participating	341,206.90	231,923.63	0:00
9	Non-Participating	341,121.66	232,207.19	11:00
10	Participating	341,079.81	233,420.36	15:45
11	Non-Participating	341,049.27	233,571.17	16:25
12	Non-Participating	341,006.81	234,016.54	16:14
13	Non-Participating	341,016.71	234,074.59	12:31
14	Non-Participating	340,968.84	234,036.14	16:37
15	Non-Participating	341,076.95	234,083.32	11:18
16	Non-Participating	340,879.71	234,236.86	9:28
17	Non-Participating	340,742.44	234,490.20	8:28
18	Non-Participating	340,657.22	234,941.38	7:05
19	Non-Participating	340,588.07	234,970.56	5:32
20	Non-Participating	340,638.92	235,053.44	3:39
21	Non-Participating	342,005.50	235,640.05	13:48
22	Non-Participating	341,872.67	235,277.59	9:37
23	Non-Participating	341,934.99	235,383.33	9:30
24	Non-Participating	341,721.59	235,055.03	11:05
25	Non-Participating	341,578.11	234,929.83	12:34
26	Non-Participating	341,682.02	234,513.38	7:58
27	Non-Participating	341,476.66	234,231.74	4:39
28	Non-Participating	341,713.34	234,171.52	13:06
29	Non-Participating	341,851.95	234,174.27	10:35
30	Non-Participating	341,855.46	234,041.23	10:55
31	Non-Participating	341,824.93	233,794.99	14:07
32	Non-Participating	342,012.49	233,466.68	0:00
33	Participating	344,177.40	235,671.76	26:27
34	Non-Participating	342,654.65	236,319.69	9:58
35	Non-Participating	342,599.16	236,290.69	10:42
36	Non-Participating	342,784.48	236,030.56	18:08
37	Non-Participating	342,658.75	236,111.13	13:15
38	Non-Participating	342,520.52	236,163.69	9:00
39	Non-Participating	337,948.82	231,778.99	5:23
40	Non-Participating	337,786.46	231,577.83	9:31
41	Participating	337,895.35	231,924.61	7:29
42	Non-Participating	337,793.49	232,287.20	7:45
43	Participating	337,831.92	232,573.72	3:55
44	Non-Participating	338,058.38	232,745.47	4:59
45	Non-Participating	337,913.04	232,761.35	3:46
46	Non-Participating	338,154.23	232,818.74	5:31
47	Participating	337,895.97	233,277.19	9:10

Table B-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
48	Participating	339,078.04	235,081.18	38:27
49	Non-Participating	340,323.61	234,764.77	11:53
50	Non-Participating	339,469.06	235,633.18	9:27
51	Non-Participating	339,271.45	235,752.24	6:30
52	Non-Participating	337,029.73	233,025.30	0:00
53	Participating	336,928.74	233,068.67	0:00
54	Participating	336,675.58	233,267.47	0:00
55	Participating	336,836.24	233,782.14	40:53
56	Participating	336,425.06	233,873.49	43:45
57	Participating	336,486.51	234,473.33	28:13
58	Participating	336,340.64	234,698.00	26:30
59	Non-Participating	335,666.14	234,700.67	28:17
60	Non-Participating	333,999.20	228,981.15	0:00
61	Non-Participating	333,755.57	229,734.57	0:00
62	Non-Participating	333,847.32	229,373.27	0:00
63	Non-Participating	335,138.86	230,556.19	21:36
64	Participating	334,906.39	231,392.04	23:29
65	Participating	334,754.48	231,361.92	5:06
66	Participating	335,066.82	231,489.07	16:25
67	Non-Participating	335,776.17	231,493.65	13:59
68	Participating	335,690.38	231,758.87	5:23
69	Participating	335,688.52	231,912.75	4:25
70	Participating	336,191.79	231,976.63	5:14
71	Participating	336,177.55	232,034.57	4:15
72	Participating	336,211.03	232,092.03	1:41
73	Participating	336,308.92	232,146.29	0:00
74	Non-Participating	336,785.25	232,179.98	0:00
75	Non-Participating	335,925.26	229,927.91	4:55
76	Non-Participating	335,686.43	229,995.80	8:44
77	Non-Participating	335,918.39	229,834.92	6:33
78	Non-Participating	335,881.54	229,871.20	6:41
79	Non-Participating	335,584.73	230,033.94	11:06
80	Non-Participating	335,320.05	230,148.41	31:22
81	Non-Participating	335,515.98	230,064.52	13:34
82	Non-Participating	335,560.99	230,050.90	11:21
83	Non-Participating	332,901.42	231,530.67	7:08
84	Non-Participating	337,155.97	229,781.81	0:00
85	Non-Participating	337,136.59	229,633.36	0:00
86	Non-Participating	336,947.73	229,755.79	0:00
87	Non-Participating	336,782.70	229,699.82	0:00
88	Non-Participating	336,550.90	229,807.21	0:00

Table B-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
89	Non-Participating	336,140.59	229,704.67	0:00
90	Non-Participating	336,618.43	230,128.16	6:24
91	Non-Participating	336,259.64	230,212.38	0:00
94	Participating	336,949.89	230,606.28	7:46
95	Non-Participating	338,742.06	230,940.07	4:27
97	Non-Participating	337,909.23	231,706.50	6:17
98	Non-Participating	338,859.13	230,498.68	6:48
99	Non-Participating	336,164.15	234,962.10	56:45
100	Participating	339,253.95	230,673.50	2:36
101	Participating	337,191.41	232,831.80	0:00
102	Participating	335,797.20	231,375.53	24:25
103	Non-Participating	332,637.99	231,353.47	0:00
104	Participating	335,542.47	231,879.12	7:14
105	Participating	335,966.89	231,753.98	5:47
106	Non-Participating	345,067.46	233,458.47	0:00
108	Non-Participating	344,870.69	233,176.87	0:00
109	Non-Participating	334,203.96	234,687.99	4:08
110	Non-Participating	344,977.78	234,726.38	17:04
111	Participating	334,574.05	234,626.42	9:01
112	Non-Participating	334,950.38	234,608.63	39:27
113	Non-Participating	334,353.04	234,690.06	5:32
114	Non-Participating	344,987.88	232,865.77	3:45
115	Non-Participating	338,632.36	232,751.57	28:46
116	Participating	335,494.72	234,613.35	39:48
117	Participating	335,142.48	234,743.07	12:21
118	Non-Participating	335,584.82	234,635.80	34:09
120	Non-Participating	339,482.91	234,868.46	39:53
121	Non-Participating	339,638.33	234,862.63	39:57
122	Non-Participating	334,624.66	234,761.27	9:51
123	Non-Participating	339,736.51	234,867.53	38:47
124	Non-Participating	340,007.16	234,908.55	22:21
125	Non-Participating	340,993.89	234,167.74	10:56
126	Non-Participating	340,445.02	234,817.50	8:26
127	Non-Participating	340,575.54	235,607.14	0:00
128	Non-Participating	342,733.56	236,815.89	0:40
129	Non-Participating	345,549.53	231,489.59	8:57
130	Non-Participating	345,584.55	231,404.78	4:50
131	Non-Participating	345,777.42	231,603.52	0:00
132	Participating	343,696.12	234,679.31	22:39
133	Non-Participating	343,494.66	234,880.42	30:01
134	Participating	343,576.49	234,704.89	41:44

Table B-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
138	Participating	343,275.28	234,590.37	36:19
139	Participating	342,974.92	234,623.28	28:12
141	Participating	342,664.93	234,395.97	14:03
144	Non-Participating	341,897.78	235,318.44	9:31
147	Non-Participating	340,809.21	230,238.36	0:00
148	Non-Participating	341,407.60	231,202.37	0:00
149	Participating	341,152.14	232,004.80	0:00
150	Non-Participating	340,693.19	230,535.73	0:00
151	Non-Participating	341,369.51	232,973.70	15:35
152	Non-Participating	340,979.59	233,862.74	18:04
153	Non-Participating	341,622.77	234,658.38	1:12
154	Non-Participating	341,066.41	233,017.48	31:28
155	Non-Participating	344,029.65	236,165.66	9:39
156	Non-Participating	340,482.25	235,539.69	0:00
157	Non-Participating	341,100.85	233,545.46	16:12
158	Non-Participating	341,305.07	231,905.58	0:00
159	Non-Participating	340,812.42	230,544.35	0:00
160	Non-Participating	344,541.82	230,365.07	0:00
161	Non-Participating	344,255.60	230,516.44	0:00
162	Non-Participating	344,372.76	230,484.95	0:00
163	Non-Participating	344,320.07	230,668.28	0:00
164	Non-Participating	344,140.90	231,025.41	0:00
165	Non-Participating	344,075.91	230,472.46	0:00
166	Participating	342,332.55	232,929.63	15:22
167	Participating	342,671.36	232,690.59	23:42
168	Participating	342,938.87	232,793.74	21:07
169	Participating	342,808.80	232,783.79	19:27
170	Non-Participating	343,477.72	231,817.82	15:37
171	Non-Participating	343,202.37	232,031.90	16:58
172	Non-Participating	343,761.03	231,354.62	0:00
173	Non-Participating	345,188.05	231,964.06	7:16
174	Non-Participating	339,852.67	231,417.16	0:00
175	Non-Participating	345,180.52	231,808.74	11:20
176	Non-Participating	339,966.86	231,346.11	0:00
177	Non-Participating	345,413.96	231,818.19	5:50
178	Non-Participating	345,012.80	232,439.17	9:10
179	Non-Participating	340,385.40	231,185.05	0:00
180	Non-Participating	342,956.89	232,633.22	36:27
181	Non-Participating	339,045.58	235,889.18	7:44
182	Non-Participating	342,898.74	236,978.73	0:00
183	Participating	338,505.60	235,812.05	0:00

Table B-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
184	Participating	343,055.87	233,185.69	55:06
185	Non-Participating	339,315.79	235,711.42	6:13
186	Non-Participating	343,327.72	237,147.27	0:00
187	Non-Participating	339,353.98	235,681.81	6:37
188	Non-Participating	339,623.53	235,375.44	8:36
189	Non-Participating	345,705.71	232,523.62	0:00
190	Non-Participating	345,115.72	232,546.57	4:01
191	Non-Participating	345,125.98	232,273.64	4:54
192	Non-Participating	345,050.58	233,066.89	0:00
193	Non-Participating	345,123.85	232,842.60	5:19
194	Non-Participating	335,419.22	229,176.86	0:00
195	Non-Participating	335,025.84	229,302.51	0:00
196	Non-Participating	334,981.10	229,083.45	0:00
197	Non-Participating	333,923.45	229,248.37	0:00
198	Non-Participating	332,822.67	230,403.22	4:51
199	Non-Participating	336,321.22	232,985.79	0:00
200	Non-Participating	333,525.42	235,386.75	0:00
201	Non-Participating	334,095.49	235,253.68	10:18
202	Non-Participating	333,769.80	232,404.10	10:23
203	Non-Participating	344,516.83	233,594.15	9:02
204	Non-Participating	343,744.53	234,355.93	17:25
205	Participating	344,029.89	233,780.62	11:03
206	Non-Participating	344,602.35	233,712.48	14:47
207	Non-Participating	335,296.04	235,467.48	42:10
208	Non-Participating	343,697.30	234,526.86	13:10
209	Non-Participating	337,327.53	236,001.35	3:03
210	Non-Participating	337,229.49	236,055.82	0:00
211	Non-Participating	337,104.28	236,088.28	0:00
212	Non-Participating	337,832.56	236,097.90	1:32
213	Non-Participating	337,716.99	236,207.28	0:00
214	Non-Participating	338,026.44	235,945.98	3:26
215	Non-Participating	332,821.87	232,514.92	0:00
216	Non-Participating	335,093.90	230,425.80	31:41
217	Non-Participating	335,198.91	230,232.82	46:11
218	Non-Participating	335,008.66	230,661.24	24:40
219	Non-Participating	335,622.68	229,966.54	14:11
220	Non-Participating	337,411.59	231,725.22	11:25
221	Participating	342,013.52	235,093.05	31:27
222	Participating	338,873.00	232,058.55	0:00
223	Non-Participating	333,795.83	229,505.84	0:00
224	Non-Participating	334,970.68	229,357.17	0:00

Table B-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
225	Non-Participating	334,891.17	229,376.02	0:00
226	Non-Participating	334,882.71	229,348.13	0:00
227	Non-Participating	334,857.65	229,329.64	0:00
228	Non-Participating	333,969.22	229,358.27	0:00
229	Non-Participating	335,368.15	229,076.42	0:00
230	Non-Participating	335,325.82	229,037.26	0:00
231	Non-Participating	335,306.55	229,030.72	0:00
232	Non-Participating	335,276.28	229,015.03	0:00
233	Non-Participating	335,381.12	229,089.12	0:00
234	Non-Participating	335,414.52	229,134.43	0:00
235	Non-Participating	335,585.84	229,209.17	0:00
236	Non-Participating	335,484.58	229,197.64	0:00
237	Non-Participating	335,463.14	229,189.99	0:00
238	Non-Participating	335,443.62	229,217.77	0:00
239	Non-Participating	335,443.96	229,235.63	0:00
240	Non-Participating	335,486.95	229,243.90	0:00
241	Non-Participating	335,447.92	229,262.09	0:00
242	Non-Participating	335,442.96	229,286.23	0:00
243	Non-Participating	335,431.06	229,309.38	0:00
244	Non-Participating	335,425.43	229,336.50	0:00
245	Non-Participating	335,414.52	229,358.66	0:00
246	Non-Participating	335,408.57	229,381.48	0:00
247	Non-Participating	335,445.94	229,401.00	0:00
248	Non-Participating	335,399.24	229,408.04	0:00
249	Non-Participating	335,387.44	229,457.32	0:00
250	Non-Participating	335,201.53	229,457.55	0:00
251	Non-Participating	335,198.55	229,438.70	0:00
252	Non-Participating	335,189.95	229,407.94	0:00
253	Non-Participating	335,187.64	229,343.45	0:00
254	Non-Participating	335,181.03	229,317.65	0:00
255	Non-Participating	335,181.03	229,297.48	0:00
256	Non-Participating	335,153.24	229,342.46	0:00
257	Non-Participating	335,132.08	229,473.43	0:00
258	Non-Participating	335,137.37	229,451.60	0:00
259	Non-Participating	335,125.79	229,403.64	0:00
260	Non-Participating	335,101.98	229,412.24	0:00
261	Non-Participating	335,093.71	229,465.16	0:00
262	Non-Participating	335,096.03	229,370.57	0:00
263	Participating	336,458.19	233,835.69	46:34
264	Non-Participating	336,925.47	233,356.50	0:00
265	Participating	335,594.53	231,977.29	5:25

Table B-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
266	Participating	335,581.27	231,815.28	7:42
267	Participating	335,600.26	231,705.96	9:30
268	Participating	334,575.26	231,537.14	27:58
269	Non-Participating	334,981.61	229,433.51	0:00
271	Non-Participating	335,059.75	229,472.58	0:00
272	Non-Participating	335,050.02	229,330.04	0:00
273	Non-Participating	335,058.44	229,312.88	0:00
274	Non-Participating	334,991.91	229,284.75	0:00
275	Non-Participating	334,920.32	229,255.01	0:00
276	Non-Participating	334,914.58	229,323.11	0:00
277	Non-Participating	335,011.36	229,183.68	0:00
278	Non-Participating	334,992.01	229,180.10	0:00
279	Non-Participating	334,974.44	229,182.25	0:00
280	Non-Participating	334,992.36	229,217.02	0:00
281	Non-Participating	335,019.96	229,224.19	0:00
282	Non-Participating	335,079.46	229,207.34	0:00
283	Non-Participating	335,116.38	229,263.25	0:00
284	Non-Participating	335,073.45	229,251.31	0:00
285	Non-Participating	335,069.77	229,292.06	0:00
286	Non-Participating	335,139.17	229,215.50	0:00
287	Non-Participating	335,342.55	229,049.63	0:00
288	Non-Participating	335,293.45	229,014.86	0:00
289	Non-Participating	337,610.78	232,421.85	0:00
290	Participating	336,940.17	233,497.06	14:39
291	Non-Participating	338,860.88	230,343.97	13:43
292	Non-Participating	338,925.12	230,244.29	11:11
293	Non-Participating	339,141.92	230,235.71	7:06
296	Non-Participating	339,239.93	229,918.40	0:00
303	Non-Participating	340,627.37	230,287.76	0:00
304	Non-Participating	340,531.02	230,315.72	0:00
305	Non-Participating	340,588.33	230,360.86	0:00
306	Non-Participating	342,938.03	236,918.46	0:00
307	Non-Participating	345,406.15	235,618.42	0:00
308	Non-Participating	345,292.80	234,930.55	4:01
309	Non-Participating	344,892.19	234,722.46	19:14
310	Non-Participating	345,045.34	234,496.63	0:06
311	Non-Participating	344,972.16	233,663.75	2:05
312	Non-Participating	344,897.12	233,619.17	2:21
313	Non-Participating	344,874.70	233,150.13	4:07
314	Non-Participating	344,979.36	233,176.72	3:21
315	Non-Participating	345,486.60	231,384.20	0:00

Table B-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
316	Non-Participating	345,626.42	231,265.97	0:00
317	Non-Participating	345,594.03	231,344.33	0:33
318	Non-Participating	345,623.65	231,092.92	0:00
319	Non-Participating	344,448.58	230,384.67	0:00
320	Non-Participating	343,732.02	231,504.09	0:00
321	Non-Participating	343,807.33	231,352.64	0:00
322	Non-Participating	343,778.26	231,422.96	0:00
323	Non-Participating	343,747.52	231,399.98	0:00
324	Non-Participating	338,745.15	230,705.29	5:59
325	Non-Participating	345,327.67	234,867.94	4:05
326	Non-Participating	345,361.76	235,096.64	2:57
327	Non-Participating	345,486.92	235,529.50	0:00
328	Non-Participating	345,508.13	235,479.18	0:00
329	Non-Participating	345,488.17	235,645.09	0:00
336	Non-Participating	344,283.22	230,858.86	0:00
337	Non-Participating	335,063.07	229,058.63	0:00
338	Non-Participating	335,076.21	229,049.17	0:00
339	Non-Participating	335,105.13	229,033.13	0:00
340	Non-Participating	335,118.53	229,027.88	0:00
341	Non-Participating	335,141.40	229,010.79	0:00
342	Non-Participating	335,133.85	229,020.37	0:00
343	Non-Participating	335,158.48	229,000.81	0:00
344	Non-Participating	335,161.11	228,983.20	0:00
345	Non-Participating	335,165.58	228,970.58	0:00
347	Participating	342,982.73	232,934.90	18:57
348	Non-Participating	344,422.24	235,727.15	11:09
349	Participating	344,265.39	235,331.48	30:52
350	Non-Participating	335,034.93	229,007.57	0:00
351	Non-Participating	345,006.87	233,113.24	3:27
353	Non-Participating	344,918.82	234,567.99	0:38
354	Non-Participating	344,495.84	233,600.35	8:54
355	Non-Participating	344,024.23	233,828.84	19:37
356	Participating	343,702.13	234,287.71	20:45
357	Participating	343,113.63	234,584.82	35:46
360	Non-Participating	341,011.74	234,032.89	14:27
361	Non-Participating	340,703.75	234,900.99	8:05
362	Participating	338,345.89	233,030.41	6:22
363	Participating	336,130.87	234,286.29	32:43
364	Non-Participating	333,810.00	229,622.00	0:00
365	Non-Participating	335,449.32	229,173.95	0:00
366	Non-Participating	334,957.44	229,211.36	0:00

Table B-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
367	Non-Participating	335,143.74	229,291.99	0:00
368	Non-Participating	335,089.70	229,329.51	0:00
369	Non-Participating	336,217.08	229,757.63	0:00
370	Non-Participating	337,013.01	229,595.84	0:00
371	Participating	335,656.83	231,843.96	6:09
372	Participating	335,654.04	231,694.20	8:38
373	Non-Participating	345,194.33	232,633.78	3:25
374	Non-Participating	345,441.19	235,075.17	2:41
377	Non-Participating	340,416.62	230,703.35	0:00
378	Non-Participating	337,408.76	236,027.93	3:53
379	Non-Participating	337,415.28	236,162.68	4:43
380	Non-Participating	338,243.81	235,988.41	0:00
381	Non-Participating	338,219.93	235,798.87	8:58
382	Non-Participating	334,962.23	229,267.84	0:00
385	Non-Participating	337,015.73	236,271.48	0:00
386	Non-Participating	337,446.94	236,180.49	4:09
387	Non-Participating	337,687.63	236,115.76	3:51
388	Non-Participating	340,623.75	234,937.34	6:54
389	Non-Participating	341,051.54	234,075.51	11:54
390	Participating	340,833.84	233,719.46	21:17
391	Non-Participating	344,183.74	230,356.78	0:00
392	Participating	344,124.42	235,688.44	31:38
393	Participating	342,660.39	232,660.56	25:16
394	Non-Participating	340,621.60	234,929.14	7:06
395	Non-Participating	345,501.77	235,060.08	2:30
400	Non-Participating	338,199.16	232,479.56	10:55
401	Participating	335,656.19	231,874.96	5:46
402	Non-Participating	335,477.50	229,219.02	0:00
403	Non-Participating	335,473.51	229,262.07	0:00
404	Non-Participating	335,268.04	228,984.41	0:00
405	Non-Participating	335,411.54	229,146.82	0:00
406	Non-Participating	335,193.90	229,392.40	0:00
407	Non-Participating	344,177.55	232,529.49	19:05
408	Participating	344,054.32	233,223.52	62:01
409	Non-Participating	338,424.04	236,725.09	0:00
410	Non-Participating	339,182.66	236,713.13	0:00
411	Non-Participating	339,596.75	236,334.92	0:00
412	Non-Participating	339,677.98	236,287.76	0:00
413	Non-Participating	342,550.55	236,953.57	0:00
414	Non-Participating	342,436.58	237,086.18	0:00
415	Non-Participating	342,699.73	237,031.77	0:00

Table B-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
416	Non-Participating	342,904.14	237,045.50	0:00
417	Non-Participating	342,982.14	237,171.00	0:00
418	Non-Participating	343,027.39	237,230.08	0:00
419	Non-Participating	343,238.22	237,404.60	0:00
422	Non-Participating	343,226.75	237,472.54	0:00
423	Non-Participating	335,373.54	228,881.72	0:00
424	Non-Participating	335,399.08	228,865.72	0:00
425	Non-Participating	335,580.04	228,817.52	0:00
426	Non-Participating	335,503.15	228,822.61	0:00
427	Non-Participating	335,319.25	228,953.71	0:00
428	Non-Participating	335,284.40	228,933.03	0:00
429	Non-Participating	335,223.24	228,930.42	0:00
430	Non-Participating	335,245.61	228,965.24	0:00
431	Non-Participating	335,257.51	228,973.94	0:00
432	Non-Participating	335,237.55	228,942.96	0:00
433	Non-Participating	335,259.98	228,881.12	0:00
434	Non-Participating	335,174.94	228,935.63	0:00
435	Non-Participating	335,455.48	229,370.18	0:00
436	Non-Participating	334,845.20	229,337.96	0:00
437	Non-Participating	336,810.77	235,834.82	0:00
438	Non-Participating	336,415.85	236,151.48	0:00
439	Non-Participating	340,963.13	233,791.22	19:05
440	Non-Participating	336,163.73	232,070.18	3:18

Table B-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
7	Non-Participating	340,619.01	230,414.74	0:00
8	Non-Participating	341,206.90	231,923.63	0:00
9	Non-Participating	341,121.66	232,207.19	10:39
10	Participating	341,079.81	233,420.36	15:39
11	Non-Participating	341,049.27	233,571.17	16:41
12	Non-Participating	341,006.81	234,016.54	15:26
13	Non-Participating	341,016.71	234,074.59	12:18
14	Non-Participating	340,968.84	234,036.14	16:04
15	Non-Participating	341,076.95	234,083.32	11:09
16	Non-Participating	340,879.71	234,236.86	9:18
17	Non-Participating	340,742.44	234,490.20	8:27
18	Non-Participating	340,657.22	234,941.38	6:49
19	Non-Participating	340,588.07	234,970.56	5:15
20	Non-Participating	340,638.92	235,053.44	3:21
21	Non-Participating	342,005.50	235,640.05	13:42
22	Non-Participating	341,872.67	235,277.59	9:26
23	Non-Participating	341,934.99	235,383.33	9:22
24	Non-Participating	341,721.59	235,055.03	10:44
25	Non-Participating	341,578.11	234,929.83	12:17
26	Non-Participating	341,682.02	234,513.38	7:37
27	Non-Participating	341,476.66	234,231.74	4:33
28	Non-Participating	341,713.34	234,171.52	12:58
29	Non-Participating	341,851.95	234,174.27	10:53
30	Non-Participating	341,855.46	234,041.23	10:54
31	Non-Participating	341,824.93	233,794.99	14:01
32	Non-Participating	342,012.49	233,466.68	0:00
33	Participating	344,177.40	235,671.76	25:19
34	Non-Participating	342,654.65	236,319.69	9:40
35	Non-Participating	342,599.16	236,290.69	10:27
36	Non-Participating	342,784.48	236,030.56	17:58
37	Non-Participating	342,658.75	236,111.13	13:24
38	Non-Participating	342,520.52	236,163.69	9:00
39	Non-Participating	337,948.82	231,778.99	5:20
40	Non-Participating	337,786.46	231,577.83	9:25
41	Participating	337,895.35	231,924.61	7:34
42	Non-Participating	337,793.49	232,287.20	7:43
43	Participating	337,831.92	232,573.72	3:51
44	Non-Participating	338,058.38	232,745.47	4:55
45	Non-Participating	337,913.04	232,761.35	3:43
46	Non-Participating	338,154.23	232,818.74	5:28
47	Participating	337,895.97	233,277.19	8:55

Table B-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
48	Participating	339,078.04	235,081.18	39:00
49	Non-Participating	340,323.61	234,764.77	11:21
50	Non-Participating	339,469.06	235,633.18	9:08
51	Non-Participating	339,271.45	235,752.24	6:26
52	Non-Participating	337,029.73	233,025.30	0:00
53	Participating	336,928.74	233,068.67	0:00
54	Participating	336,675.58	233,267.47	0:00
55	Participating	336,836.24	233,782.14	39:32
56	Participating	336,425.06	233,873.49	43:13
57	Participating	336,486.51	234,473.33	27:41
58	Participating	336,340.64	234,698.00	26:05
59	Non-Participating	335,666.14	234,700.67	27:49
60	Non-Participating	333,999.20	228,981.15	0:00
61	Non-Participating	333,755.57	229,734.57	0:00
62	Non-Participating	333,847.32	229,373.27	0:00
63	Non-Participating	335,138.86	230,556.19	21:23
64	Participating	334,906.39	231,392.04	23:47
65	Participating	334,754.48	231,361.92	4:44
66	Participating	335,066.82	231,489.07	16:00
67	Non-Participating	335,776.17	231,493.65	13:13
68	Participating	335,690.38	231,758.87	5:16
69	Participating	335,688.52	231,912.75	4:23
70	Participating	336,191.79	231,976.63	4:56
71	Participating	336,177.55	232,034.57	3:58
72	Participating	336,211.03	232,092.03	1:21
73	Participating	336,308.92	232,146.29	0:00
74	Non-Participating	336,785.25	232,179.98	0:00
75	Non-Participating	335,925.26	229,927.91	4:44
76	Non-Participating	335,686.43	229,995.80	8:27
77	Non-Participating	335,918.39	229,834.92	6:14
78	Non-Participating	335,881.54	229,871.20	6:24
79	Non-Participating	335,584.73	230,033.94	10:42
80	Non-Participating	335,320.05	230,148.41	31:18
81	Non-Participating	335,515.98	230,064.52	12:54
82	Non-Participating	335,560.99	230,050.90	10:56
83	Non-Participating	332,901.42	231,530.67	7:05
84	Non-Participating	337,155.97	229,781.81	0:00
85	Non-Participating	337,136.59	229,633.36	0:00
86	Non-Participating	336,947.73	229,755.79	0:00
87	Non-Participating	336,782.70	229,699.82	0:00
88	Non-Participating	336,550.90	229,807.21	0:00

Table B-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
89	Non-Participating	336,140.59	229,704.67	0:00
90	Non-Participating	336,618.43	230,128.16	5:57
91	Non-Participating	336,259.64	230,212.38	0:00
94	Participating	336,949.89	230,606.28	7:37
95	Non-Participating	338,742.06	230,940.07	4:24
97	Non-Participating	337,909.23	231,706.50	6:14
98	Non-Participating	338,859.13	230,498.68	6:42
99	Non-Participating	336,164.15	234,962.10	55:08
100	Participating	339,253.95	230,673.50	2:33
101	Participating	337,191.41	232,831.80	0:00
102	Participating	335,797.20	231,375.53	23:02
103	Non-Participating	332,637.99	231,353.47	0:00
104	Participating	335,542.47	231,879.12	7:05
105	Participating	335,966.89	231,753.98	5:34
106	Non-Participating	345,067.46	233,458.47	0:00
108	Non-Participating	344,870.69	233,176.87	0:00
109	Non-Participating	334,203.96	234,687.99	4:07
110	Non-Participating	344,977.78	234,726.38	16:45
111	Participating	334,574.05	234,626.42	9:03
112	Non-Participating	334,950.38	234,608.63	39:49
113	Non-Participating	334,353.04	234,690.06	5:28
114	Non-Participating	344,987.88	232,865.77	3:29
115	Non-Participating	338,632.36	232,751.57	26:52
116	Participating	335,494.72	234,613.35	39:00
117	Participating	335,142.48	234,743.07	10:27
118	Non-Participating	335,584.82	234,635.80	33:49
120	Non-Participating	339,482.91	234,868.46	39:28
121	Non-Participating	339,638.33	234,862.63	39:32
122	Non-Participating	334,624.66	234,761.27	9:51
123	Non-Participating	339,736.51	234,867.53	38:15
124	Non-Participating	340,007.16	234,908.55	22:47
125	Non-Participating	340,993.89	234,167.74	10:48
126	Non-Participating	340,445.02	234,817.50	8:04
127	Non-Participating	340,575.54	235,607.14	0:00
128	Non-Participating	342,733.56	236,815.89	0:20
129	Non-Participating	345,549.53	231,489.59	9:04
130	Non-Participating	345,584.55	231,404.78	5:03
131	Non-Participating	345,777.42	231,603.52	0:00
132	Participating	343,696.12	234,679.31	22:49
133	Non-Participating	343,494.66	234,880.42	29:04
134	Participating	343,576.49	234,704.89	42:27

Table B-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
138	Participating	343,275.28	234,590.37	35:03
139	Participating	342,974.92	234,623.28	27:20
141	Participating	342,664.93	234,395.97	13:55
144	Non-Participating	341,897.78	235,318.44	9:25
147	Non-Participating	340,809.21	230,238.36	0:00
148	Non-Participating	341,407.60	231,202.37	0:00
149	Participating	341,152.14	232,004.80	0:00
150	Non-Participating	340,693.19	230,535.73	0:00
151	Non-Participating	341,369.51	232,973.70	15:25
152	Non-Participating	340,979.59	233,862.74	17:47
153	Non-Participating	341,622.77	234,658.38	0:51
154	Non-Participating	341,066.41	233,017.48	31:24
155	Non-Participating	344,029.65	236,165.66	9:37
156	Non-Participating	340,482.25	235,539.69	0:00
157	Non-Participating	341,100.85	233,545.46	16:30
158	Non-Participating	341,305.07	231,905.58	0:00
159	Non-Participating	340,812.42	230,544.35	0:00
160	Non-Participating	344,541.82	230,365.07	0:00
161	Non-Participating	344,255.60	230,516.44	0:00
162	Non-Participating	344,372.76	230,484.95	0:00
163	Non-Participating	344,320.07	230,668.28	0:00
164	Non-Participating	344,140.90	231,025.41	0:00
165	Non-Participating	344,075.91	230,472.46	0:00
166	Participating	342,332.55	232,929.63	13:34
167	Participating	342,671.36	232,690.59	23:28
168	Participating	342,938.87	232,793.74	20:49
169	Participating	342,808.80	232,783.79	19:14
170	Non-Participating	343,477.72	231,817.82	15:36
171	Non-Participating	343,202.37	232,031.90	17:08
172	Non-Participating	343,761.03	231,354.62	0:00
173	Non-Participating	345,188.05	231,964.06	7:07
174	Non-Participating	339,852.67	231,417.16	0:00
175	Non-Participating	345,180.52	231,808.74	11:03
176	Non-Participating	339,966.86	231,346.11	0:00
177	Non-Participating	345,413.96	231,818.19	5:45
178	Non-Participating	345,012.80	232,439.17	9:04
179	Non-Participating	340,385.40	231,185.05	0:00
180	Non-Participating	342,956.89	232,633.22	35:53
181	Non-Participating	339,045.58	235,889.18	7:17
182	Non-Participating	342,898.74	236,978.73	0:00
183	Participating	338,505.60	235,812.05	0:00

Table B-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
184	Participating	343,055.87	233,185.69	55:27
185	Non-Participating	339,315.79	235,711.42	6:09
186	Non-Participating	343,327.72	237,147.27	0:00
187	Non-Participating	339,353.98	235,681.81	6:16
188	Non-Participating	339,623.53	235,375.44	8:29
189	Non-Participating	345,705.71	232,523.62	0:00
190	Non-Participating	345,115.72	232,546.57	4:01
191	Non-Participating	345,125.98	232,273.64	4:52
192	Non-Participating	345,050.58	233,066.89	0:00
193	Non-Participating	345,123.85	232,842.60	5:14
194	Non-Participating	335,419.22	229,176.86	0:00
195	Non-Participating	335,025.84	229,302.51	0:00
196	Non-Participating	334,981.10	229,083.45	0:00
197	Non-Participating	333,923.45	229,248.37	0:00
198	Non-Participating	332,822.67	230,403.22	4:41
199	Non-Participating	336,321.22	232,985.79	0:00
200	Non-Participating	333,525.42	235,386.75	0:00
201	Non-Participating	334,095.49	235,253.68	10:13
202	Non-Participating	333,769.80	232,404.10	9:42
203	Non-Participating	344,516.83	233,594.15	9:11
204	Non-Participating	343,744.53	234,355.93	17:35
205	Participating	344,029.89	233,780.62	11:46
206	Non-Participating	344,602.35	233,712.48	14:15
207	Non-Participating	335,296.04	235,467.48	41:41
208	Non-Participating	343,697.30	234,526.86	12:51
209	Non-Participating	337,327.53	236,001.35	3:05
210	Non-Participating	337,229.49	236,055.82	0:00
211	Non-Participating	337,104.28	236,088.28	0:00
212	Non-Participating	337,832.56	236,097.90	1:06
213	Non-Participating	337,716.99	236,207.28	0:00
214	Non-Participating	338,026.44	235,945.98	2:50
215	Non-Participating	332,821.87	232,514.92	0:00
216	Non-Participating	335,093.90	230,425.80	31:02
217	Non-Participating	335,198.91	230,232.82	46:07
218	Non-Participating	335,008.66	230,661.24	24:31
219	Non-Participating	335,622.68	229,966.54	13:58
220	Non-Participating	337,411.59	231,725.22	10:02
221	Participating	342,013.52	235,093.05	27:56
222	Participating	338,873.00	232,058.55	0:00
223	Non-Participating	333,795.83	229,505.84	0:00
224	Non-Participating	334,970.68	229,357.17	0:00

Table B-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
225	Non-Participating	334,891.17	229,376.02	0:00
226	Non-Participating	334,882.71	229,348.13	0:00
227	Non-Participating	334,857.65	229,329.64	0:00
228	Non-Participating	333,969.22	229,358.27	0:00
229	Non-Participating	335,368.15	229,076.42	0:00
230	Non-Participating	335,325.82	229,037.26	0:00
231	Non-Participating	335,306.55	229,030.72	0:00
232	Non-Participating	335,276.28	229,015.03	0:00
233	Non-Participating	335,381.12	229,089.12	0:00
234	Non-Participating	335,414.52	229,134.43	0:00
235	Non-Participating	335,585.84	229,209.17	0:00
236	Non-Participating	335,484.58	229,197.64	0:00
237	Non-Participating	335,463.14	229,189.99	0:00
238	Non-Participating	335,443.62	229,217.77	0:00
239	Non-Participating	335,443.96	229,235.63	0:00
240	Non-Participating	335,486.95	229,243.90	0:00
241	Non-Participating	335,447.92	229,262.09	0:00
242	Non-Participating	335,442.96	229,286.23	0:00
243	Non-Participating	335,431.06	229,309.38	0:00
244	Non-Participating	335,425.43	229,336.50	0:00
245	Non-Participating	335,414.52	229,358.66	0:00
246	Non-Participating	335,408.57	229,381.48	0:00
247	Non-Participating	335,445.94	229,401.00	0:00
248	Non-Participating	335,399.24	229,408.04	0:00
249	Non-Participating	335,387.44	229,457.32	0:00
250	Non-Participating	335,201.53	229,457.55	0:00
251	Non-Participating	335,198.55	229,438.70	0:00
252	Non-Participating	335,189.95	229,407.94	0:00
253	Non-Participating	335,187.64	229,343.45	0:00
254	Non-Participating	335,181.03	229,317.65	0:00
255	Non-Participating	335,181.03	229,297.48	0:00
256	Non-Participating	335,153.24	229,342.46	0:00
257	Non-Participating	335,132.08	229,473.43	0:00
258	Non-Participating	335,137.37	229,451.60	0:00
259	Non-Participating	335,125.79	229,403.64	0:00
260	Non-Participating	335,101.98	229,412.24	0:00
261	Non-Participating	335,093.71	229,465.16	0:00
262	Non-Participating	335,096.03	229,370.57	0:00
263	Participating	336,458.19	233,835.69	45:17
264	Non-Participating	336,925.47	233,356.50	0:00
265	Participating	335,594.53	231,977.29	5:17

Table B-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
266	Participating	335,581.27	231,815.28	7:33
267	Participating	335,600.26	231,705.96	9:17
268	Participating	334,575.26	231,537.14	29:37
269	Non-Participating	334,981.61	229,433.51	0:00
271	Non-Participating	335,059.75	229,472.58	0:00
272	Non-Participating	335,050.02	229,330.04	0:00
273	Non-Participating	335,058.44	229,312.88	0:00
274	Non-Participating	334,991.91	229,284.75	0:00
275	Non-Participating	334,920.32	229,255.01	0:00
276	Non-Participating	334,914.58	229,323.11	0:00
277	Non-Participating	335,011.36	229,183.68	0:00
278	Non-Participating	334,992.01	229,180.10	0:00
279	Non-Participating	334,974.44	229,182.25	0:00
280	Non-Participating	334,992.36	229,217.02	0:00
281	Non-Participating	335,019.96	229,224.19	0:00
282	Non-Participating	335,079.46	229,207.34	0:00
283	Non-Participating	335,116.38	229,263.25	0:00
284	Non-Participating	335,073.45	229,251.31	0:00
285	Non-Participating	335,069.77	229,292.06	0:00
286	Non-Participating	335,139.17	229,215.50	0:00
287	Non-Participating	335,342.55	229,049.63	0:00
288	Non-Participating	335,293.45	229,014.86	0:00
289	Non-Participating	337,610.78	232,421.85	0:00
290	Participating	336,940.17	233,497.06	14:45
291	Non-Participating	338,860.88	230,343.97	13:28
292	Non-Participating	338,925.12	230,244.29	11:23
293	Non-Participating	339,141.92	230,235.71	6:48
296	Non-Participating	339,239.93	229,918.40	0:00
303	Non-Participating	340,627.37	230,287.76	0:00
304	Non-Participating	340,531.02	230,315.72	0:00
305	Non-Participating	340,588.33	230,360.86	0:00
306	Non-Participating	342,938.03	236,918.46	0:00
307	Non-Participating	345,406.15	235,618.42	0:00
308	Non-Participating	345,292.80	234,930.55	3:56
309	Non-Participating	344,892.19	234,722.46	19:21
310	Non-Participating	345,045.34	234,496.63	0:41
311	Non-Participating	344,972.16	233,663.75	2:04
312	Non-Participating	344,897.12	233,619.17	2:19
313	Non-Participating	344,874.70	233,150.13	0:00
314	Non-Participating	344,979.36	233,176.72	3:17
315	Non-Participating	345,486.60	231,384.20	0:00

Table B-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
316	Non-Participating	345,626.42	231,265.97	0:00
317	Non-Participating	345,594.03	231,344.33	0:57
318	Non-Participating	345,623.65	231,092.92	0:00
319	Non-Participating	344,448.58	230,384.67	0:00
320	Non-Participating	343,732.02	231,504.09	0:00
321	Non-Participating	343,807.33	231,352.64	0:00
322	Non-Participating	343,778.26	231,422.96	0:00
323	Non-Participating	343,747.52	231,399.98	0:00
324	Non-Participating	338,745.15	230,705.29	5:55
325	Non-Participating	345,327.67	234,867.94	4:00
326	Non-Participating	345,361.76	235,096.64	2:55
327	Non-Participating	345,486.92	235,529.50	0:00
328	Non-Participating	345,508.13	235,479.18	0:00
329	Non-Participating	345,488.17	235,645.09	0:00
336	Non-Participating	344,283.22	230,858.86	0:00
337	Non-Participating	335,063.07	229,058.63	0:00
338	Non-Participating	335,076.21	229,049.17	0:00
339	Non-Participating	335,105.13	229,033.13	0:00
340	Non-Participating	335,118.53	229,027.88	0:00
341	Non-Participating	335,141.40	229,010.79	0:00
342	Non-Participating	335,133.85	229,020.37	0:00
343	Non-Participating	335,158.48	229,000.81	0:00
344	Non-Participating	335,161.11	228,983.20	0:00
345	Non-Participating	335,165.58	228,970.58	0:00
347	Participating	342,982.73	232,934.90	18:47
348	Non-Participating	344,422.24	235,727.15	10:56
349	Participating	344,265.39	235,331.48	30:02
350	Non-Participating	335,034.93	229,007.57	0:00
351	Non-Participating	345,006.87	233,113.24	3:25
353	Non-Participating	344,918.82	234,567.99	1:21
354	Non-Participating	344,495.84	233,600.35	9:06
355	Non-Participating	344,024.23	233,828.84	20:11
356	Participating	343,702.13	234,287.71	20:35
357	Participating	343,113.63	234,584.82	34:15
360	Non-Participating	341,011.74	234,032.89	14:01
361	Non-Participating	340,703.75	234,900.99	7:56
362	Participating	338,345.89	233,030.41	6:19
363	Participating	336,130.87	234,286.29	31:22
364	Non-Participating	333,810.00	229,622.00	0:00
365	Non-Participating	335,449.32	229,173.95	0:00
366	Non-Participating	334,957.44	229,211.36	0:00

Table B-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
367	Non-Participating	335,143.74	229,291.99	0:00
368	Non-Participating	335,089.70	229,329.51	0:00
369	Non-Participating	336,217.08	229,757.63	0:00
370	Non-Participating	337,013.01	229,595.84	0:00
371	Participating	335,656.83	231,843.96	5:57
372	Participating	335,654.04	231,694.20	8:28
373	Non-Participating	345,194.33	232,633.78	3:23
374	Non-Participating	345,441.19	235,075.17	2:39
377	Non-Participating	340,416.62	230,703.35	0:00
378	Non-Participating	337,408.76	236,027.93	3:56
379	Non-Participating	337,415.28	236,162.68	4:35
380	Non-Participating	338,243.81	235,988.41	0:00
381	Non-Participating	338,219.93	235,798.87	8:02
382	Non-Participating	334,962.23	229,267.84	0:00
385	Non-Participating	337,015.73	236,271.48	0:00
386	Non-Participating	337,446.94	236,180.49	3:58
387	Non-Participating	337,687.63	236,115.76	3:32
388	Non-Participating	340,623.75	234,937.34	6:39
389	Non-Participating	341,051.54	234,075.51	11:38
390	Participating	340,833.84	233,719.46	21:00
391	Non-Participating	344,183.74	230,356.78	0:00
392	Participating	344,124.42	235,688.44	30:14
393	Participating	342,660.39	232,660.56	24:59
394	Non-Participating	340,621.60	234,929.14	6:49
395	Non-Participating	345,501.77	235,060.08	2:29
400	Non-Participating	338,199.16	232,479.56	11:09
401	Participating	335,656.19	231,874.96	5:37
402	Non-Participating	335,477.50	229,219.02	0:00
403	Non-Participating	335,473.51	229,262.07	0:00
404	Non-Participating	335,268.04	228,984.41	0:00
405	Non-Participating	335,411.54	229,146.82	0:00
406	Non-Participating	335,193.90	229,392.40	0:00
407	Non-Participating	344,177.55	232,529.49	19:39
408	Participating	344,054.32	233,223.52	61:54
409	Non-Participating	338,424.04	236,725.09	0:00
410	Non-Participating	339,182.66	236,713.13	0:00
411	Non-Participating	339,596.75	236,334.92	0:00
412	Non-Participating	339,677.98	236,287.76	0:00
413	Non-Participating	342,550.55	236,953.57	0:00
414	Non-Participating	342,436.58	237,086.18	0:00
415	Non-Participating	342,699.73	237,031.77	0:00

Table B-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
416	Non-Participating	342,904.14	237,045.50	0:00
417	Non-Participating	342,982.14	237,171.00	0:00
418	Non-Participating	343,027.39	237,230.08	0:00
419	Non-Participating	343,238.22	237,404.60	0:00
422	Non-Participating	343,226.75	237,472.54	0:00
423	Non-Participating	335,373.54	228,881.72	0:00
424	Non-Participating	335,399.08	228,865.72	0:00
425	Non-Participating	335,580.04	228,817.52	0:00
426	Non-Participating	335,503.15	228,822.61	0:00
427	Non-Participating	335,319.25	228,953.71	0:00
428	Non-Participating	335,284.40	228,933.03	0:00
429	Non-Participating	335,223.24	228,930.42	0:00
430	Non-Participating	335,245.61	228,965.24	0:00
431	Non-Participating	335,257.51	228,973.94	0:00
432	Non-Participating	335,237.55	228,942.96	0:00
433	Non-Participating	335,259.98	228,881.12	0:00
434	Non-Participating	335,174.94	228,935.63	0:00
435	Non-Participating	335,455.48	229,370.18	0:00
436	Non-Participating	334,845.20	229,337.96	0:00
437	Non-Participating	336,810.77	235,834.82	0:00
438	Non-Participating	336,415.85	236,151.48	0:00
439	Non-Participating	340,963.13	233,791.22	18:27
440	Non-Participating	336,163.73	232,070.18	3:00

Table B-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
7	Non-Participating	340,619.01	230,414.74	0:00
8	Non-Participating	341,206.90	231,923.63	0:00
9	Non-Participating	341,121.66	232,207.19	10:46
10	Participating	341,079.81	233,420.36	15:17
11	Non-Participating	341,049.27	233,571.17	15:58
12	Non-Participating	341,006.81	234,016.54	15:42
13	Non-Participating	341,016.71	234,074.59	12:12
14	Non-Participating	340,968.84	234,036.14	16:10
15	Non-Participating	341,076.95	234,083.32	10:59
16	Non-Participating	340,879.71	234,236.86	9:10
17	Non-Participating	340,742.44	234,490.20	8:16
18	Non-Participating	340,657.22	234,941.38	6:52
19	Non-Participating	340,588.07	234,970.56	5:22
20	Non-Participating	340,638.92	235,053.44	3:31
21	Non-Participating	342,005.50	235,640.05	13:26
22	Non-Participating	341,872.67	235,277.59	9:19
23	Non-Participating	341,934.99	235,383.33	9:14
24	Non-Participating	341,721.59	235,055.03	10:44
25	Non-Participating	341,578.11	234,929.83	12:15
26	Non-Participating	341,682.02	234,513.38	7:47
27	Non-Participating	341,476.66	234,231.74	4:31
28	Non-Participating	341,713.34	234,171.52	12:43
29	Non-Participating	341,851.95	234,174.27	10:13
30	Non-Participating	341,855.46	234,041.23	10:38
31	Non-Participating	341,824.93	233,794.99	13:43
32	Non-Participating	342,012.49	233,466.68	0:00
33	Participating	344,177.40	235,671.76	25:33
34	Non-Participating	342,654.65	236,319.69	9:46
35	Non-Participating	342,599.16	236,290.69	10:28
36	Non-Participating	342,784.48	236,030.56	17:41
37	Non-Participating	342,658.75	236,111.13	12:54
38	Non-Participating	342,520.52	236,163.69	8:45
39	Non-Participating	337,948.82	231,778.99	5:14
40	Non-Participating	337,786.46	231,577.83	9:14
41	Participating	337,895.35	231,924.61	7:17
42	Non-Participating	337,793.49	232,287.20	7:31
43	Participating	337,831.92	232,573.72	3:49
44	Non-Participating	338,058.38	232,745.47	4:50
45	Non-Participating	337,913.04	232,761.35	3:40
46	Non-Participating	338,154.23	232,818.74	5:24
47	Participating	337,895.97	233,277.19	8:52

Table B-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
48	Participating	339,078.04	235,081.18	37:09
49	Non-Participating	340,323.61	234,764.77	11:29
50	Non-Participating	339,469.06	235,633.18	9:14
51	Non-Participating	339,271.45	235,752.24	6:19
52	Non-Participating	337,029.73	233,025.30	0:00
53	Participating	336,928.74	233,068.67	0:00
54	Participating	336,675.58	233,267.47	0:00
55	Participating	336,836.24	233,782.14	39:44
56	Participating	336,425.06	233,873.49	42:38
57	Participating	336,486.51	234,473.33	27:28
58	Participating	336,340.64	234,698.00	25:54
59	Non-Participating	335,666.14	234,700.67	27:33
60	Non-Participating	333,999.20	228,981.15	0:00
61	Non-Participating	333,755.57	229,734.57	0:00
62	Non-Participating	333,847.32	229,373.27	0:00
63	Non-Participating	335,138.86	230,556.19	21:00
64	Participating	334,906.39	231,392.04	23:00
65	Participating	334,754.48	231,361.92	4:59
66	Participating	335,066.82	231,489.07	16:02
67	Non-Participating	335,776.17	231,493.65	13:38
68	Participating	335,690.38	231,758.87	5:11
69	Participating	335,688.52	231,912.75	4:19
70	Participating	336,191.79	231,976.63	5:08
71	Participating	336,177.55	232,034.57	4:09
72	Participating	336,211.03	232,092.03	1:33
73	Participating	336,308.92	232,146.29	0:00
74	Non-Participating	336,785.25	232,179.98	0:00
75	Non-Participating	335,925.26	229,927.91	4:49
76	Non-Participating	335,686.43	229,995.80	8:25
77	Non-Participating	335,918.39	229,834.92	6:24
78	Non-Participating	335,881.54	229,871.20	6:23
79	Non-Participating	335,584.73	230,033.94	10:50
80	Non-Participating	335,320.05	230,148.41	30:45
81	Non-Participating	335,515.98	230,064.52	13:10
82	Non-Participating	335,560.99	230,050.90	10:58
83	Non-Participating	332,901.42	231,530.67	6:57
84	Non-Participating	337,155.97	229,781.81	0:00
85	Non-Participating	337,136.59	229,633.36	0:00
86	Non-Participating	336,947.73	229,755.79	0:00
87	Non-Participating	336,782.70	229,699.82	0:00
88	Non-Participating	336,550.90	229,807.21	0:00

Table B-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
89	Non-Participating	336,140.59	229,704.67	0:00
90	Non-Participating	336,618.43	230,128.16	6:12
91	Non-Participating	336,259.64	230,212.38	0:00
94	Participating	336,949.89	230,606.28	7:32
95	Non-Participating	338,742.06	230,940.07	4:18
97	Non-Participating	337,909.23	231,706.50	6:04
98	Non-Participating	338,859.13	230,498.68	6:38
99	Non-Participating	336,164.15	234,962.10	54:57
100	Participating	339,253.95	230,673.50	2:31
101	Participating	337,191.41	232,831.80	0:00
102	Participating	335,797.20	231,375.53	23:40
103	Non-Participating	332,637.99	231,353.47	0:00
104	Participating	335,542.47	231,879.12	7:02
105	Participating	335,966.89	231,753.98	5:40
106	Non-Participating	345,067.46	233,458.47	0:00
108	Non-Participating	344,870.69	233,176.87	0:00
109	Non-Participating	334,203.96	234,687.99	4:02
110	Non-Participating	344,977.78	234,726.38	16:45
111	Participating	334,574.05	234,626.42	8:49
112	Non-Participating	334,950.38	234,608.63	38:19
113	Non-Participating	334,353.04	234,690.06	5:22
114	Non-Participating	344,987.88	232,865.77	3:39
115	Non-Participating	338,632.36	232,751.57	27:31
116	Participating	335,494.72	234,613.35	38:55
117	Participating	335,142.48	234,743.07	11:57
118	Non-Participating	335,584.82	234,635.80	33:12
120	Non-Participating	339,482.91	234,868.46	38:56
121	Non-Participating	339,638.33	234,862.63	39:06
122	Non-Participating	334,624.66	234,761.27	9:34
123	Non-Participating	339,736.51	234,867.53	37:58
124	Non-Participating	340,007.16	234,908.55	21:42
125	Non-Participating	340,993.89	234,167.74	10:38
126	Non-Participating	340,445.02	234,817.50	8:12
127	Non-Participating	340,575.54	235,607.14	0:00
128	Non-Participating	342,733.56	236,815.89	0:36
129	Non-Participating	345,549.53	231,489.59	8:48
130	Non-Participating	345,584.55	231,404.78	4:40
131	Non-Participating	345,777.42	231,603.52	0:00
132	Participating	343,696.12	234,679.31	22:14
133	Non-Participating	343,494.66	234,880.42	29:08
134	Participating	343,576.49	234,704.89	40:53

Table B-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
138	Participating	343,275.28	234,590.37	35:29
139	Participating	342,974.92	234,623.28	27:36
141	Participating	342,664.93	234,395.97	13:40
144	Non-Participating	341,897.78	235,318.44	9:17
147	Non-Participating	340,809.21	230,238.36	0:00
148	Non-Participating	341,407.60	231,202.37	0:00
149	Participating	341,152.14	232,004.80	0:00
150	Non-Participating	340,693.19	230,535.73	0:00
151	Non-Participating	341,369.51	232,973.70	15:12
152	Non-Participating	340,979.59	233,862.74	17:34
153	Non-Participating	341,622.77	234,658.38	1:08
154	Non-Participating	341,066.41	233,017.48	30:52
155	Non-Participating	344,029.65	236,165.66	9:24
156	Non-Participating	340,482.25	235,539.69	0:00
157	Non-Participating	341,100.85	233,545.46	15:47
158	Non-Participating	341,305.07	231,905.58	0:00
159	Non-Participating	340,812.42	230,544.35	0:00
160	Non-Participating	344,541.82	230,365.07	0:00
161	Non-Participating	344,255.60	230,516.44	0:00
162	Non-Participating	344,372.76	230,484.95	0:00
163	Non-Participating	344,320.07	230,668.28	0:00
164	Non-Participating	344,140.90	231,025.41	0:00
165	Non-Participating	344,075.91	230,472.46	0:00
166	Participating	342,332.55	232,929.63	14:44
167	Participating	342,671.36	232,690.59	22:59
168	Participating	342,938.87	232,793.74	20:31
169	Participating	342,808.80	232,783.79	18:56
170	Non-Participating	343,477.72	231,817.82	15:10
171	Non-Participating	343,202.37	232,031.90	16:36
172	Non-Participating	343,761.03	231,354.62	0:00
173	Non-Participating	345,188.05	231,964.06	7:03
174	Non-Participating	339,852.67	231,417.16	0:00
175	Non-Participating	345,180.52	231,808.74	11:04
176	Non-Participating	339,966.86	231,346.11	0:00
177	Non-Participating	345,413.96	231,818.19	5:40
178	Non-Participating	345,012.80	232,439.17	8:57
179	Non-Participating	340,385.40	231,185.05	0:00
180	Non-Participating	342,956.89	232,633.22	35:36
181	Non-Participating	339,045.58	235,889.18	7:34
182	Non-Participating	342,898.74	236,978.73	0:00
183	Participating	338,505.60	235,812.05	0:00

Table B-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
184	Participating	343,055.87	233,185.69	53:56
185	Non-Participating	339,315.79	235,711.42	6:02
186	Non-Participating	343,327.72	237,147.27	0:00
187	Non-Participating	339,353.98	235,681.81	6:24
188	Non-Participating	339,623.53	235,375.44	8:24
189	Non-Participating	345,705.71	232,523.62	0:00
190	Non-Participating	345,115.72	232,546.57	3:55
191	Non-Participating	345,125.98	232,273.64	4:47
192	Non-Participating	345,050.58	233,066.89	0:00
193	Non-Participating	345,123.85	232,842.60	5:11
194	Non-Participating	335,419.22	229,176.86	0:00
195	Non-Participating	335,025.84	229,302.51	0:00
196	Non-Participating	334,981.10	229,083.45	0:00
197	Non-Participating	333,923.45	229,248.37	0:00
198	Non-Participating	332,822.67	230,403.22	4:42
199	Non-Participating	336,321.22	232,985.79	0:00
200	Non-Participating	333,525.42	235,386.75	0:00
201	Non-Participating	334,095.49	235,253.68	10:04
202	Non-Participating	333,769.80	232,404.10	10:04
203	Non-Participating	344,516.83	233,594.15	8:46
204	Non-Participating	343,744.53	234,355.93	16:54
205	Participating	344,029.89	233,780.62	10:31
206	Non-Participating	344,602.35	233,712.48	14:22
207	Non-Participating	335,296.04	235,467.48	41:19
208	Non-Participating	343,697.30	234,526.86	12:47
209	Non-Participating	337,327.53	236,001.35	2:58
210	Non-Participating	337,229.49	236,055.82	0:00
211	Non-Participating	337,104.28	236,088.28	0:00
212	Non-Participating	337,832.56	236,097.90	1:24
213	Non-Participating	337,716.99	236,207.28	0:00
214	Non-Participating	338,026.44	235,945.98	3:18
215	Non-Participating	332,821.87	232,514.92	0:00
216	Non-Participating	335,093.90	230,425.80	30:44
217	Non-Participating	335,198.91	230,232.82	45:22
218	Non-Participating	335,008.66	230,661.24	23:58
219	Non-Participating	335,622.68	229,966.54	13:58
220	Non-Participating	337,411.59	231,725.22	11:03
221	Participating	342,013.52	235,093.05	30:53
222	Participating	338,873.00	232,058.55	0:00
223	Non-Participating	333,795.83	229,505.84	0:00
224	Non-Participating	334,970.68	229,357.17	0:00

Table B-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
225	Non-Participating	334,891.17	229,376.02	0:00
226	Non-Participating	334,882.71	229,348.13	0:00
227	Non-Participating	334,857.65	229,329.64	0:00
228	Non-Participating	333,969.22	229,358.27	0:00
229	Non-Participating	335,368.15	229,076.42	0:00
230	Non-Participating	335,325.82	229,037.26	0:00
231	Non-Participating	335,306.55	229,030.72	0:00
232	Non-Participating	335,276.28	229,015.03	0:00
233	Non-Participating	335,381.12	229,089.12	0:00
234	Non-Participating	335,414.52	229,134.43	0:00
235	Non-Participating	335,585.84	229,209.17	0:00
236	Non-Participating	335,484.58	229,197.64	0:00
237	Non-Participating	335,463.14	229,189.99	0:00
238	Non-Participating	335,443.62	229,217.77	0:00
239	Non-Participating	335,443.96	229,235.63	0:00
240	Non-Participating	335,486.95	229,243.90	0:00
241	Non-Participating	335,447.92	229,262.09	0:00
242	Non-Participating	335,442.96	229,286.23	0:00
243	Non-Participating	335,431.06	229,309.38	0:00
244	Non-Participating	335,425.43	229,336.50	0:00
245	Non-Participating	335,414.52	229,358.66	0:00
246	Non-Participating	335,408.57	229,381.48	0:00
247	Non-Participating	335,445.94	229,401.00	0:00
248	Non-Participating	335,399.24	229,408.04	0:00
249	Non-Participating	335,387.44	229,457.32	0:00
250	Non-Participating	335,201.53	229,457.55	0:00
251	Non-Participating	335,198.55	229,438.70	0:00
252	Non-Participating	335,189.95	229,407.94	0:00
253	Non-Participating	335,187.64	229,343.45	0:00
254	Non-Participating	335,181.03	229,317.65	0:00
255	Non-Participating	335,181.03	229,297.48	0:00
256	Non-Participating	335,153.24	229,342.46	0:00
257	Non-Participating	335,132.08	229,473.43	0:00
258	Non-Participating	335,137.37	229,451.60	0:00
259	Non-Participating	335,125.79	229,403.64	0:00
260	Non-Participating	335,101.98	229,412.24	0:00
261	Non-Participating	335,093.71	229,465.16	0:00
262	Non-Participating	335,096.03	229,370.57	0:00
263	Participating	336,458.19	233,835.69	45:08
264	Non-Participating	336,925.47	233,356.50	0:00
265	Participating	335,594.53	231,977.29	5:20

Table B-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
266	Participating	335,581.27	231,815.28	7:30
267	Participating	335,600.26	231,705.96	9:16
268	Participating	334,575.26	231,537.14	27:01
269	Non-Participating	334,981.61	229,433.51	0:00
271	Non-Participating	335,059.75	229,472.58	0:00
272	Non-Participating	335,050.02	229,330.04	0:00
273	Non-Participating	335,058.44	229,312.88	0:00
274	Non-Participating	334,991.91	229,284.75	0:00
275	Non-Participating	334,920.32	229,255.01	0:00
276	Non-Participating	334,914.58	229,323.11	0:00
277	Non-Participating	335,011.36	229,183.68	0:00
278	Non-Participating	334,992.01	229,180.10	0:00
279	Non-Participating	334,974.44	229,182.25	0:00
280	Non-Participating	334,992.36	229,217.02	0:00
281	Non-Participating	335,019.96	229,224.19	0:00
282	Non-Participating	335,079.46	229,207.34	0:00
283	Non-Participating	335,116.38	229,263.25	0:00
284	Non-Participating	335,073.45	229,251.31	0:00
285	Non-Participating	335,069.77	229,292.06	0:00
286	Non-Participating	335,139.17	229,215.50	0:00
287	Non-Participating	335,342.55	229,049.63	0:00
288	Non-Participating	335,293.45	229,014.86	0:00
289	Non-Participating	337,610.78	232,421.85	0:00
290	Participating	336,940.17	233,497.06	14:22
291	Non-Participating	338,860.88	230,343.97	13:27
292	Non-Participating	338,925.12	230,244.29	11:00
293	Non-Participating	339,141.92	230,235.71	6:51
296	Non-Participating	339,239.93	229,918.40	0:00
303	Non-Participating	340,627.37	230,287.76	0:00
304	Non-Participating	340,531.02	230,315.72	0:00
305	Non-Participating	340,588.33	230,360.86	0:00
306	Non-Participating	342,938.03	236,918.46	0:00
307	Non-Participating	345,406.15	235,618.42	0:00
308	Non-Participating	345,292.80	234,930.55	3:54
309	Non-Participating	344,892.19	234,722.46	18:53
310	Non-Participating	345,045.34	234,496.63	0:00
311	Non-Participating	344,972.16	233,663.75	2:02
312	Non-Participating	344,897.12	233,619.17	2:18
313	Non-Participating	344,874.70	233,150.13	3:59
314	Non-Participating	344,979.36	233,176.72	3:15
315	Non-Participating	345,486.60	231,384.20	0:00

Table B-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
316	Non-Participating	345,626.42	231,265.97	0:00
317	Non-Participating	345,594.03	231,344.33	0:27
318	Non-Participating	345,623.65	231,092.92	0:00
319	Non-Participating	344,448.58	230,384.67	0:00
320	Non-Participating	343,732.02	231,504.09	0:00
321	Non-Participating	343,807.33	231,352.64	0:00
322	Non-Participating	343,778.26	231,422.96	0:00
323	Non-Participating	343,747.52	231,399.98	0:00
324	Non-Participating	338,745.15	230,705.29	5:49
325	Non-Participating	345,327.67	234,867.94	3:58
326	Non-Participating	345,361.76	235,096.64	2:51
327	Non-Participating	345,486.92	235,529.50	0:00
328	Non-Participating	345,508.13	235,479.18	0:00
329	Non-Participating	345,488.17	235,645.09	0:00
336	Non-Participating	344,283.22	230,858.86	0:00
337	Non-Participating	335,063.07	229,058.63	0:00
338	Non-Participating	335,076.21	229,049.17	0:00
339	Non-Participating	335,105.13	229,033.13	0:00
340	Non-Participating	335,118.53	229,027.88	0:00
341	Non-Participating	335,141.40	229,010.79	0:00
342	Non-Participating	335,133.85	229,020.37	0:00
343	Non-Participating	335,158.48	229,000.81	0:00
344	Non-Participating	335,161.11	228,983.20	0:00
345	Non-Participating	335,165.58	228,970.58	0:00
347	Participating	342,982.73	232,934.90	18:26
348	Non-Participating	344,422.24	235,727.15	10:52
349	Participating	344,265.39	235,331.48	30:12
350	Non-Participating	335,034.93	229,007.57	0:00
351	Non-Participating	345,006.87	233,113.24	3:22
353	Non-Participating	344,918.82	234,567.99	0:23
354	Non-Participating	344,495.84	233,600.35	8:39
355	Non-Participating	344,024.23	233,828.84	18:59
356	Participating	343,702.13	234,287.71	20:09
357	Participating	343,113.63	234,584.82	34:58
360	Non-Participating	341,011.74	234,032.89	13:58
361	Non-Participating	340,703.75	234,900.99	7:54
362	Participating	338,345.89	233,030.41	6:14
363	Participating	336,130.87	234,286.29	31:53
364	Non-Participating	333,810.00	229,622.00	0:00
365	Non-Participating	335,449.32	229,173.95	0:00
366	Non-Participating	334,957.44	229,211.36	0:00

Table B-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
367	Non-Participating	335,143.74	229,291.99	0:00
368	Non-Participating	335,089.70	229,329.51	0:00
369	Non-Participating	336,217.08	229,757.63	0:00
370	Non-Participating	337,013.01	229,595.84	0:00
371	Participating	335,656.83	231,843.96	5:58
372	Participating	335,654.04	231,694.20	8:27
373	Non-Participating	345,194.33	232,633.78	3:19
374	Non-Participating	345,441.19	235,075.17	2:37
377	Non-Participating	340,416.62	230,703.35	0:00
378	Non-Participating	337,408.76	236,027.93	3:49
379	Non-Participating	337,415.28	236,162.68	4:38
380	Non-Participating	338,243.81	235,988.41	0:00
381	Non-Participating	338,219.93	235,798.87	8:40
382	Non-Participating	334,962.23	229,267.84	0:00
385	Non-Participating	337,015.73	236,271.48	0:00
386	Non-Participating	337,446.94	236,180.49	4:04
387	Non-Participating	337,687.63	236,115.76	3:45
388	Non-Participating	340,623.75	234,937.34	6:45
389	Non-Participating	341,051.54	234,075.51	11:33
390	Participating	340,833.84	233,719.46	20:52
391	Non-Participating	344,183.74	230,356.78	0:00
392	Participating	344,124.42	235,688.44	30:44
393	Participating	342,660.39	232,660.56	24:36
394	Non-Participating	340,621.60	234,929.14	6:57
395	Non-Participating	345,501.77	235,060.08	2:26
400	Non-Participating	338,199.16	232,479.56	10:43
401	Participating	335,656.19	231,874.96	5:38
402	Non-Participating	335,477.50	229,219.02	0:00
403	Non-Participating	335,473.51	229,262.07	0:00
404	Non-Participating	335,268.04	228,984.41	0:00
405	Non-Participating	335,411.54	229,146.82	0:00
406	Non-Participating	335,193.90	229,392.40	0:00
407	Non-Participating	344,177.55	232,529.49	18:36
408	Participating	344,054.32	233,223.52	60:48
409	Non-Participating	338,424.04	236,725.09	0:00
410	Non-Participating	339,182.66	236,713.13	0:00
411	Non-Participating	339,596.75	236,334.92	0:00
412	Non-Participating	339,677.98	236,287.76	0:00
413	Non-Participating	342,550.55	236,953.57	0:00
414	Non-Participating	342,436.58	237,086.18	0:00
415	Non-Participating	342,699.73	237,031.77	0:00

Table B-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
416	Non-Participating	342,904.14	237,045.50	0:00
417	Non-Participating	342,982.14	237,171.00	0:00
418	Non-Participating	343,027.39	237,230.08	0:00
419	Non-Participating	343,238.22	237,404.60	0:00
422	Non-Participating	343,226.75	237,472.54	0:00
423	Non-Participating	335,373.54	228,881.72	0:00
424	Non-Participating	335,399.08	228,865.72	0:00
425	Non-Participating	335,580.04	228,817.52	0:00
426	Non-Participating	335,503.15	228,822.61	0:00
427	Non-Participating	335,319.25	228,953.71	0:00
428	Non-Participating	335,284.40	228,933.03	0:00
429	Non-Participating	335,223.24	228,930.42	0:00
430	Non-Participating	335,245.61	228,965.24	0:00
431	Non-Participating	335,257.51	228,973.94	0:00
432	Non-Participating	335,237.55	228,942.96	0:00
433	Non-Participating	335,259.98	228,881.12	0:00
434	Non-Participating	335,174.94	228,935.63	0:00
435	Non-Participating	335,455.48	229,370.18	0:00
436	Non-Participating	334,845.20	229,337.96	0:00
437	Non-Participating	336,810.77	235,834.82	0:00
438	Non-Participating	336,415.85	236,151.48	0:00
439	Non-Participating	340,963.13	233,791.22	18:36
440	Non-Participating	336,163.73	232,070.18	3:14

Table B-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
7	Non-Participating	340,619.01	230,414.74	0:00
8	Non-Participating	341,206.90	231,923.63	0:00
9	Non-Participating	341,121.66	232,207.19	10:08
10	Participating	341,079.81	233,420.36	14:45
11	Non-Participating	341,049.27	233,571.17	15:31
12	Non-Participating	341,006.81	234,016.54	14:39
13	Non-Participating	341,016.71	234,074.59	11:43
14	Non-Participating	340,968.84	234,036.14	15:04
15	Non-Participating	341,076.95	234,083.32	10:35
16	Non-Participating	340,879.71	234,236.86	8:50
17	Non-Participating	340,742.44	234,490.20	7:55
18	Non-Participating	340,657.22	234,941.38	6:33
19	Non-Participating	340,588.07	234,970.56	5:00
20	Non-Participating	340,638.92	235,053.44	3:11
21	Non-Participating	342,005.50	235,640.05	12:56
22	Non-Participating	341,872.67	235,277.59	8:59
23	Non-Participating	341,934.99	235,383.33	8:52
24	Non-Participating	341,721.59	235,055.03	10:11
25	Non-Participating	341,578.11	234,929.83	11:45
26	Non-Participating	341,682.02	234,513.38	7:20
27	Non-Participating	341,476.66	234,231.74	4:20
28	Non-Participating	341,713.34	234,171.52	12:19
29	Non-Participating	341,851.95	234,174.27	10:01
30	Non-Participating	341,855.46	234,041.23	10:16
31	Non-Participating	341,824.93	233,794.99	13:13
32	Non-Participating	342,012.49	233,466.68	0:00
33	Participating	344,177.40	235,671.76	23:56
34	Non-Participating	342,654.65	236,319.69	9:16
35	Non-Participating	342,599.16	236,290.69	10:02
36	Non-Participating	342,784.48	236,030.56	17:07
37	Non-Participating	342,658.75	236,111.13	12:33
38	Non-Participating	342,520.52	236,163.69	8:28
39	Non-Participating	337,948.82	231,778.99	5:02
40	Non-Participating	337,786.46	231,577.83	8:55
41	Participating	337,895.35	231,924.61	7:08
42	Non-Participating	337,793.49	232,287.20	7:26
43	Participating	337,831.92	232,573.72	3:39
44	Non-Participating	338,058.38	232,745.47	4:41
45	Non-Participating	337,913.04	232,761.35	3:31
46	Non-Participating	338,154.23	232,818.74	5:09
47	Participating	337,895.97	233,277.19	8:28

Table B-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
48	Participating	339,078.04	235,081.18	36:08
49	Non-Participating	340,323.61	234,764.77	10:46
50	Non-Participating	339,469.06	235,633.18	8:47
51	Non-Participating	339,271.45	235,752.24	6:06
52	Non-Participating	337,029.73	233,025.30	0:00
53	Participating	336,928.74	233,068.67	0:00
54	Participating	336,675.58	233,267.47	0:00
55	Participating	336,836.24	233,782.14	37:20
56	Participating	336,425.06	233,873.49	41:03
57	Participating	336,486.51	234,473.33	26:19
58	Participating	336,340.64	234,698.00	24:58
59	Non-Participating	335,666.14	234,700.67	26:34
60	Non-Participating	333,999.20	228,981.15	0:00
61	Non-Participating	333,755.57	229,734.57	0:00
62	Non-Participating	333,847.32	229,373.27	0:00
63	Non-Participating	335,138.86	230,556.19	20:13
64	Participating	334,906.39	231,392.04	22:37
65	Participating	334,754.48	231,361.92	4:38
66	Participating	335,066.82	231,489.07	15:16
67	Non-Participating	335,776.17	231,493.65	12:42
68	Participating	335,690.38	231,758.87	4:59
69	Participating	335,688.52	231,912.75	4:07
70	Participating	336,191.79	231,976.63	4:53
71	Participating	336,177.55	232,034.57	3:53
72	Participating	336,211.03	232,092.03	1:17
73	Participating	336,308.92	232,146.29	0:00
74	Non-Participating	336,785.25	232,179.98	0:00
75	Non-Participating	335,925.26	229,927.91	4:32
76	Non-Participating	335,686.43	229,995.80	8:02
77	Non-Participating	335,918.39	229,834.92	6:02
78	Non-Participating	335,881.54	229,871.20	6:08
79	Non-Participating	335,584.73	230,033.94	10:11
80	Non-Participating	335,320.05	230,148.41	29:55
81	Non-Participating	335,515.98	230,064.52	12:12
82	Non-Participating	335,560.99	230,050.90	10:23
83	Non-Participating	332,901.42	231,530.67	6:42
84	Non-Participating	337,155.97	229,781.81	0:00
85	Non-Participating	337,136.59	229,633.36	0:00
86	Non-Participating	336,947.73	229,755.79	0:00
87	Non-Participating	336,782.70	229,699.82	0:00
88	Non-Participating	336,550.90	229,807.21	0:00

Table B-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
89	Non-Participating	336,140.59	229,704.67	0:00
90	Non-Participating	336,618.43	230,128.16	5:47
91	Non-Participating	336,259.64	230,212.38	0:00
94	Participating	336,949.89	230,606.28	7:14
95	Non-Participating	338,742.06	230,940.07	4:09
97	Non-Participating	337,909.23	231,706.50	5:54
98	Non-Participating	338,859.13	230,498.68	6:19
99	Non-Participating	336,164.15	234,962.10	52:21
100	Participating	339,253.95	230,673.50	2:25
101	Participating	337,191.41	232,831.80	0:00
102	Participating	335,797.20	231,375.53	22:11
103	Non-Participating	332,637.99	231,353.47	0:00
104	Participating	335,542.47	231,879.12	6:45
105	Participating	335,966.89	231,753.98	5:22
106	Non-Participating	345,067.46	233,458.47	0:00
108	Non-Participating	344,870.69	233,176.87	0:00
109	Non-Participating	334,203.96	234,687.99	3:52
110	Non-Participating	344,977.78	234,726.38	16:03
111	Participating	334,574.05	234,626.42	8:31
112	Non-Participating	334,950.38	234,608.63	37:25
113	Non-Participating	334,353.04	234,690.06	5:09
114	Non-Participating	344,987.88	232,865.77	3:24
115	Non-Participating	338,632.36	232,751.57	25:24
116	Participating	335,494.72	234,613.35	37:33
117	Participating	335,142.48	234,743.07	10:13
118	Non-Participating	335,584.82	234,635.80	32:05
120	Non-Participating	339,482.91	234,868.46	37:28
121	Non-Participating	339,638.33	234,862.63	37:47
122	Non-Participating	334,624.66	234,761.27	9:14
123	Non-Participating	339,736.51	234,867.53	36:45
124	Non-Participating	340,007.16	234,908.55	21:05
125	Non-Participating	340,993.89	234,167.74	10:16
126	Non-Participating	340,445.02	234,817.50	7:43
127	Non-Participating	340,575.54	235,607.14	0:00
128	Non-Participating	342,733.56	236,815.89	0:19
129	Non-Participating	345,549.53	231,489.59	8:40
130	Non-Participating	345,584.55	231,404.78	4:41
131	Non-Participating	345,777.42	231,603.52	0:00
132	Participating	343,696.12	234,679.31	21:39
133	Non-Participating	343,494.66	234,880.42	27:38
134	Participating	343,576.49	234,704.89	40:04

Table B-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
138	Participating	343,275.28	234,590.37	33:56
139	Participating	342,974.92	234,623.28	26:23
141	Participating	342,664.93	234,395.97	13:09
144	Non-Participating	341,897.78	235,318.44	8:55
147	Non-Participating	340,809.21	230,238.36	0:00
148	Non-Participating	341,407.60	231,202.37	0:00
149	Participating	341,152.14	232,004.80	0:00
150	Non-Participating	340,693.19	230,535.73	0:00
151	Non-Participating	341,369.51	232,973.70	14:31
152	Non-Participating	340,979.59	233,862.74	16:46
153	Non-Participating	341,622.77	234,658.38	0:50
154	Non-Participating	341,066.41	233,017.48	29:48
155	Non-Participating	344,029.65	236,165.66	9:05
156	Non-Participating	340,482.25	235,539.69	0:00
157	Non-Participating	341,100.85	233,545.46	15:24
158	Non-Participating	341,305.07	231,905.58	0:00
159	Non-Participating	340,812.42	230,544.35	0:00
160	Non-Participating	344,541.82	230,365.07	0:00
161	Non-Participating	344,255.60	230,516.44	0:00
162	Non-Participating	344,372.76	230,484.95	0:00
163	Non-Participating	344,320.07	230,668.28	0:00
164	Non-Participating	344,140.90	231,025.41	0:00
165	Non-Participating	344,075.91	230,472.46	0:00
166	Participating	342,332.55	232,929.63	13:02
167	Participating	342,671.36	232,690.59	22:09
168	Participating	342,938.87	232,793.74	19:42
169	Participating	342,808.80	232,783.79	18:12
170	Non-Participating	343,477.72	231,817.82	14:42
171	Non-Participating	343,202.37	232,031.90	16:18
172	Non-Participating	343,761.03	231,354.62	0:00
173	Non-Participating	345,188.05	231,964.06	6:44
174	Non-Participating	339,852.67	231,417.16	0:00
175	Non-Participating	345,180.52	231,808.74	10:31
176	Non-Participating	339,966.86	231,346.11	0:00
177	Non-Participating	345,413.96	231,818.19	5:26
178	Non-Participating	345,012.80	232,439.17	8:37
179	Non-Participating	340,385.40	231,185.05	0:00
180	Non-Participating	342,956.89	232,633.22	34:15
181	Non-Participating	339,045.58	235,889.18	7:07
182	Non-Participating	342,898.74	236,978.73	0:00
183	Participating	338,505.60	235,812.05	0:00

Table B-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
184	Participating	343,055.87	233,185.69	52:49
185	Non-Participating	339,315.79	235,711.42	5:50
186	Non-Participating	343,327.72	237,147.27	0:00
187	Non-Participating	339,353.98	235,681.81	5:54
188	Non-Participating	339,623.53	235,375.44	8:01
189	Non-Participating	345,705.71	232,523.62	0:00
190	Non-Participating	345,115.72	232,546.57	3:48
191	Non-Participating	345,125.98	232,273.64	4:35
192	Non-Participating	345,050.58	233,066.89	0:00
193	Non-Participating	345,123.85	232,842.60	5:02
194	Non-Participating	335,419.22	229,176.86	0:00
195	Non-Participating	335,025.84	229,302.51	0:00
196	Non-Participating	334,981.10	229,083.45	0:00
197	Non-Participating	333,923.45	229,248.37	0:00
198	Non-Participating	332,822.67	230,403.22	4:28
199	Non-Participating	336,321.22	232,985.79	0:00
200	Non-Participating	333,525.42	235,386.75	0:00
201	Non-Participating	334,095.49	235,253.68	9:42
202	Non-Participating	333,769.80	232,404.10	9:18
203	Non-Participating	344,516.83	233,594.15	8:36
204	Non-Participating	343,744.53	234,355.93	16:24
205	Participating	344,029.89	233,780.62	10:20
206	Non-Participating	344,602.35	233,712.48	13:36
207	Non-Participating	335,296.04	235,467.48	39:58
208	Non-Participating	343,697.30	234,526.86	12:12
209	Non-Participating	337,327.53	236,001.35	2:53
210	Non-Participating	337,229.49	236,055.82	0:00
211	Non-Participating	337,104.28	236,088.28	0:00
212	Non-Participating	337,832.56	236,097.90	1:03
213	Non-Participating	337,716.99	236,207.28	0:00
214	Non-Participating	338,026.44	235,945.98	2:45
215	Non-Participating	332,821.87	232,514.92	0:00
216	Non-Participating	335,093.90	230,425.80	29:24
217	Non-Participating	335,198.91	230,232.82	43:59
218	Non-Participating	335,008.66	230,661.24	23:10
219	Non-Participating	335,622.68	229,966.54	13:17
220	Non-Participating	337,411.59	231,725.22	9:47
221	Participating	342,013.52	235,093.05	26:45
222	Participating	338,873.00	232,058.55	0:00
223	Non-Participating	333,795.83	229,505.84	0:00
224	Non-Participating	334,970.68	229,357.17	0:00

Table B-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
225	Non-Participating	334,891.17	229,376.02	0:00
226	Non-Participating	334,882.71	229,348.13	0:00
227	Non-Participating	334,857.65	229,329.64	0:00
228	Non-Participating	333,969.22	229,358.27	0:00
229	Non-Participating	335,368.15	229,076.42	0:00
230	Non-Participating	335,325.82	229,037.26	0:00
231	Non-Participating	335,306.55	229,030.72	0:00
232	Non-Participating	335,276.28	229,015.03	0:00
233	Non-Participating	335,381.12	229,089.12	0:00
234	Non-Participating	335,414.52	229,134.43	0:00
235	Non-Participating	335,585.84	229,209.17	0:00
236	Non-Participating	335,484.58	229,197.64	0:00
237	Non-Participating	335,463.14	229,189.99	0:00
238	Non-Participating	335,443.62	229,217.77	0:00
239	Non-Participating	335,443.96	229,235.63	0:00
240	Non-Participating	335,486.95	229,243.90	0:00
241	Non-Participating	335,447.92	229,262.09	0:00
242	Non-Participating	335,442.96	229,286.23	0:00
243	Non-Participating	335,431.06	229,309.38	0:00
244	Non-Participating	335,425.43	229,336.50	0:00
245	Non-Participating	335,414.52	229,358.66	0:00
246	Non-Participating	335,408.57	229,381.48	0:00
247	Non-Participating	335,445.94	229,401.00	0:00
248	Non-Participating	335,399.24	229,408.04	0:00
249	Non-Participating	335,387.44	229,457.32	0:00
250	Non-Participating	335,201.53	229,457.55	0:00
251	Non-Participating	335,198.55	229,438.70	0:00
252	Non-Participating	335,189.95	229,407.94	0:00
253	Non-Participating	335,187.64	229,343.45	0:00
254	Non-Participating	335,181.03	229,317.65	0:00
255	Non-Participating	335,181.03	229,297.48	0:00
256	Non-Participating	335,153.24	229,342.46	0:00
257	Non-Participating	335,132.08	229,473.43	0:00
258	Non-Participating	335,137.37	229,451.60	0:00
259	Non-Participating	335,125.79	229,403.64	0:00
260	Non-Participating	335,101.98	229,412.24	0:00
261	Non-Participating	335,093.71	229,465.16	0:00
262	Non-Participating	335,096.03	229,370.57	0:00
263	Participating	336,458.19	233,835.69	42:59
264	Non-Participating	336,925.47	233,356.50	0:00
265	Participating	335,594.53	231,977.29	5:04

Table B-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
266	Participating	335,581.27	231,815.28	7:13
267	Participating	335,600.26	231,705.96	8:56
268	Participating	334,575.26	231,537.14	27:00
269	Non-Participating	334,981.61	229,433.51	0:00
271	Non-Participating	335,059.75	229,472.58	0:00
272	Non-Participating	335,050.02	229,330.04	0:00
273	Non-Participating	335,058.44	229,312.88	0:00
274	Non-Participating	334,991.91	229,284.75	0:00
275	Non-Participating	334,920.32	229,255.01	0:00
276	Non-Participating	334,914.58	229,323.11	0:00
277	Non-Participating	335,011.36	229,183.68	0:00
278	Non-Participating	334,992.01	229,180.10	0:00
279	Non-Participating	334,974.44	229,182.25	0:00
280	Non-Participating	334,992.36	229,217.02	0:00
281	Non-Participating	335,019.96	229,224.19	0:00
282	Non-Participating	335,079.46	229,207.34	0:00
283	Non-Participating	335,116.38	229,263.25	0:00
284	Non-Participating	335,073.45	229,251.31	0:00
285	Non-Participating	335,069.77	229,292.06	0:00
286	Non-Participating	335,139.17	229,215.50	0:00
287	Non-Participating	335,342.55	229,049.63	0:00
288	Non-Participating	335,293.45	229,014.86	0:00
289	Non-Participating	337,610.78	232,421.85	0:00
290	Participating	336,940.17	233,497.06	14:04
291	Non-Participating	338,860.88	230,343.97	12:55
292	Non-Participating	338,925.12	230,244.29	10:49
293	Non-Participating	339,141.92	230,235.71	6:29
296	Non-Participating	339,239.93	229,918.40	0:00
303	Non-Participating	340,627.37	230,287.76	0:00
304	Non-Participating	340,531.02	230,315.72	0:00
305	Non-Participating	340,588.33	230,360.86	0:00
306	Non-Participating	342,938.03	236,918.46	0:00
307	Non-Participating	345,406.15	235,618.42	0:00
308	Non-Participating	345,292.80	234,930.55	3:44
309	Non-Participating	344,892.19	234,722.46	18:32
310	Non-Participating	345,045.34	234,496.63	0:00
311	Non-Participating	344,972.16	233,663.75	1:57
312	Non-Participating	344,897.12	233,619.17	2:13
313	Non-Participating	344,874.70	233,150.13	0:00
314	Non-Participating	344,979.36	233,176.72	3:08
315	Non-Participating	345,486.60	231,384.20	0:00

Table B-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
316	Non-Participating	345,626.42	231,265.97	0:00
317	Non-Participating	345,594.03	231,344.33	0:30
318	Non-Participating	345,623.65	231,092.92	0:00
319	Non-Participating	344,448.58	230,384.67	0:00
320	Non-Participating	343,732.02	231,504.09	0:00
321	Non-Participating	343,807.33	231,352.64	0:00
322	Non-Participating	343,778.26	231,422.96	0:00
323	Non-Participating	343,747.52	231,399.98	0:00
324	Non-Participating	338,745.15	230,705.29	5:35
325	Non-Participating	345,327.67	234,867.94	3:50
326	Non-Participating	345,361.76	235,096.64	2:45
327	Non-Participating	345,486.92	235,529.50	0:00
328	Non-Participating	345,508.13	235,479.18	0:00
329	Non-Participating	345,488.17	235,645.09	0:00
336	Non-Participating	344,283.22	230,858.86	0:00
337	Non-Participating	335,063.07	229,058.63	0:00
338	Non-Participating	335,076.21	229,049.17	0:00
339	Non-Participating	335,105.13	229,033.13	0:00
340	Non-Participating	335,118.53	229,027.88	0:00
341	Non-Participating	335,141.40	229,010.79	0:00
342	Non-Participating	335,133.85	229,020.37	0:00
343	Non-Participating	335,158.48	229,000.81	0:00
344	Non-Participating	335,161.11	228,983.20	0:00
345	Non-Participating	335,165.58	228,970.58	0:00
347	Participating	342,982.73	232,934.90	17:45
348	Non-Participating	344,422.24	235,727.15	10:23
349	Participating	344,265.39	235,331.48	28:57
350	Non-Participating	335,034.93	229,007.57	0:00
351	Non-Participating	345,006.87	233,113.24	3:14
353	Non-Participating	344,918.82	234,567.99	0:30
354	Non-Participating	344,495.84	233,600.35	8:26
355	Non-Participating	344,024.23	233,828.84	18:45
356	Participating	343,702.13	234,287.71	19:25
357	Participating	343,113.63	234,584.82	33:06
360	Non-Participating	341,011.74	234,032.89	13:20
361	Non-Participating	340,703.75	234,900.99	7:37
362	Participating	338,345.89	233,030.41	5:58
363	Participating	336,130.87	234,286.29	30:08
364	Non-Participating	333,810.00	229,622.00	0:00
365	Non-Participating	335,449.32	229,173.95	0:00
366	Non-Participating	334,957.44	229,211.36	0:00

Table B-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
367	Non-Participating	335,143.74	229,291.99	0:00
368	Non-Participating	335,089.70	229,329.51	0:00
369	Non-Participating	336,217.08	229,757.63	0:00
370	Non-Participating	337,013.01	229,595.84	0:00
371	Participating	335,656.83	231,843.96	5:45
372	Participating	335,654.04	231,694.20	8:05
373	Non-Participating	345,194.33	232,633.78	3:12
374	Non-Participating	345,441.19	235,075.17	2:31
377	Non-Participating	340,416.62	230,703.35	0:00
378	Non-Participating	337,408.76	236,027.93	3:41
379	Non-Participating	337,415.28	236,162.68	4:28
380	Non-Participating	338,243.81	235,988.41	0:00
381	Non-Participating	338,219.93	235,798.87	7:50
382	Non-Participating	334,962.23	229,267.84	0:00
385	Non-Participating	337,015.73	236,271.48	0:00
386	Non-Participating	337,446.94	236,180.49	3:51
387	Non-Participating	337,687.63	236,115.76	3:28
388	Non-Participating	340,623.75	234,937.34	6:22
389	Non-Participating	341,051.54	234,075.51	11:02
390	Participating	340,833.84	233,719.46	20:06
391	Non-Participating	344,183.74	230,356.78	0:00
392	Participating	344,124.42	235,688.44	28:23
393	Participating	342,660.39	232,660.56	23:39
394	Non-Participating	340,621.60	234,929.14	6:32
395	Non-Participating	345,501.77	235,060.08	2:21
400	Non-Participating	338,199.16	232,479.56	10:33
401	Participating	335,656.19	231,874.96	5:25
402	Non-Participating	335,477.50	229,219.02	0:00
403	Non-Participating	335,473.51	229,262.07	0:00
404	Non-Participating	335,268.04	228,984.41	0:00
405	Non-Participating	335,411.54	229,146.82	0:00
406	Non-Participating	335,193.90	229,392.40	0:00
407	Non-Participating	344,177.55	232,529.49	18:25
408	Participating	344,054.32	233,223.52	59:18
409	Non-Participating	338,424.04	236,725.09	0:00
410	Non-Participating	339,182.66	236,713.13	0:00
411	Non-Participating	339,596.75	236,334.92	0:00
412	Non-Participating	339,677.98	236,287.76	0:00
413	Non-Participating	342,550.55	236,953.57	0:00
414	Non-Participating	342,436.58	237,086.18	0:00
415	Non-Participating	342,699.73	237,031.77	0:00

Table B-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Expected Annual Shadow Flicker
		X (m)	Y (m)	(HH:MM/year)
416	Non-Participating	342,904.14	237,045.50	0:00
417	Non-Participating	342,982.14	237,171.00	0:00
418	Non-Participating	343,027.39	237,230.08	0:00
419	Non-Participating	343,238.22	237,404.60	0:00
422	Non-Participating	343,226.75	237,472.54	0:00
423	Non-Participating	335,373.54	228,881.72	0:00
424	Non-Participating	335,399.08	228,865.72	0:00
425	Non-Participating	335,580.04	228,817.52	0:00
426	Non-Participating	335,503.15	228,822.61	0:00
427	Non-Participating	335,319.25	228,953.71	0:00
428	Non-Participating	335,284.40	228,933.03	0:00
429	Non-Participating	335,223.24	228,930.42	0:00
430	Non-Participating	335,245.61	228,965.24	0:00
431	Non-Participating	335,257.51	228,973.94	0:00
432	Non-Participating	335,237.55	228,942.96	0:00
433	Non-Participating	335,259.98	228,881.12	0:00
434	Non-Participating	335,174.94	228,935.63	0:00
435	Non-Participating	335,455.48	229,370.18	0:00
436	Non-Participating	334,845.20	229,337.96	0:00
437	Non-Participating	336,810.77	235,834.82	0:00
438	Non-Participating	336,415.85	236,151.48	0:00
439	Non-Participating	340,963.13	233,791.22	17:39
440	Non-Participating	336,163.73	232,070.18	2:56

Appendix C
Graphical Calendars

Project:
4403-Flicker 180622L V150-4.2

Description:
Calpine - Bluestone Wind

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Richard Lampeter / rlampeter@epsilonassociates.com
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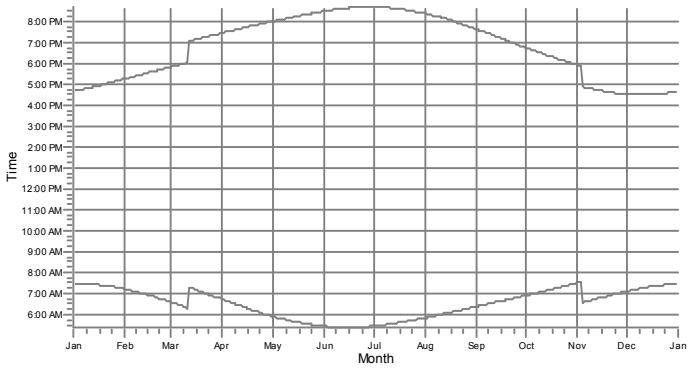
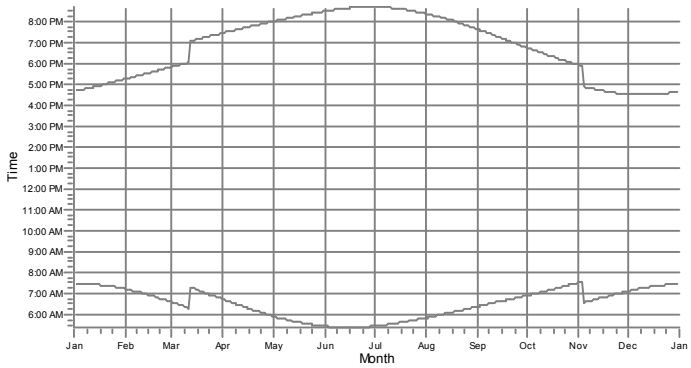
SHADOW - Calendar, graphical

Calculation: Points & Grid

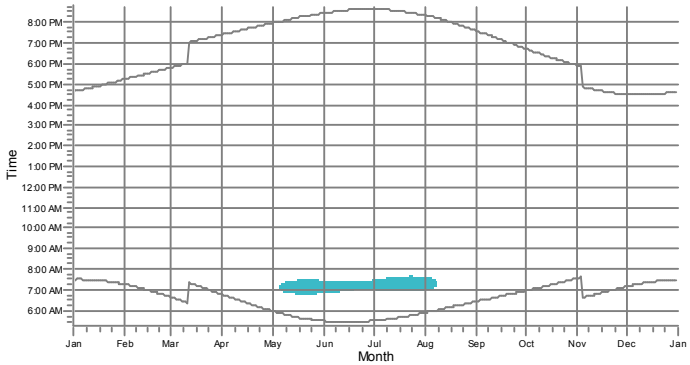
7: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3274)



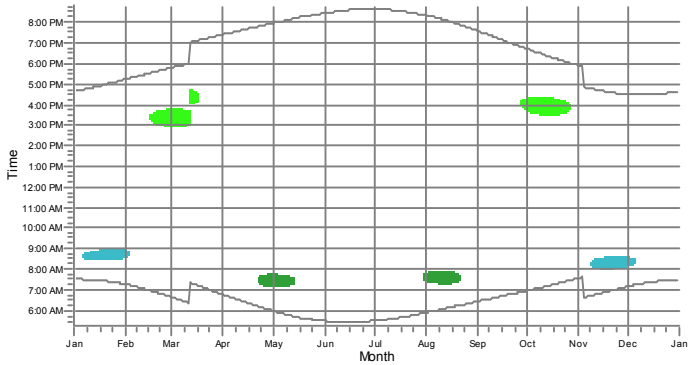
8: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3275)



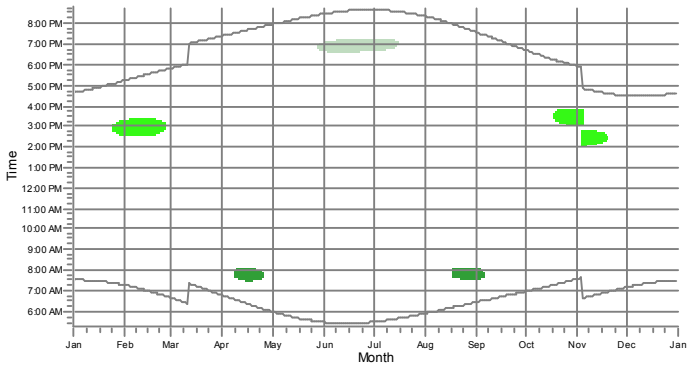
9: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3276)



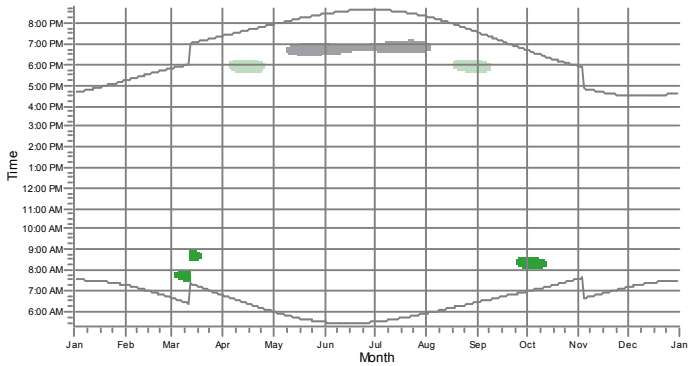
10: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3277)



11: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3278)



12: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3279)



WTGs

20: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (303)
22: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (305)
24: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (307)
25: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (308)
26: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (309)

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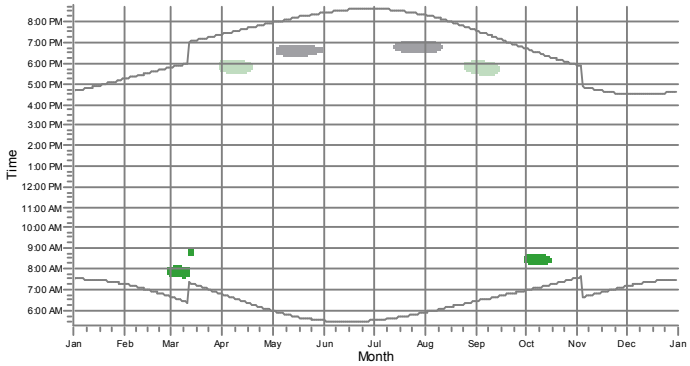
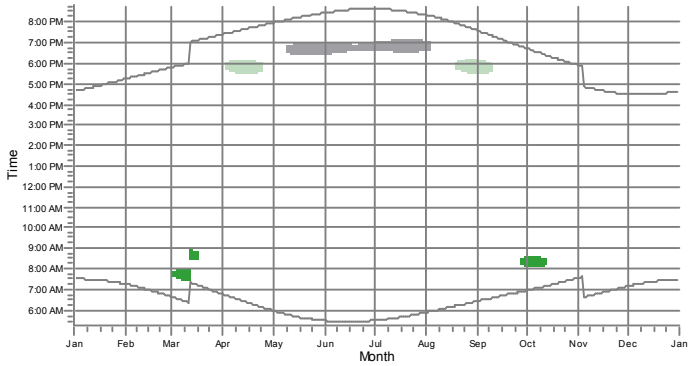
SHADOW - Calendar, graphical

Calculation: Points & Grid

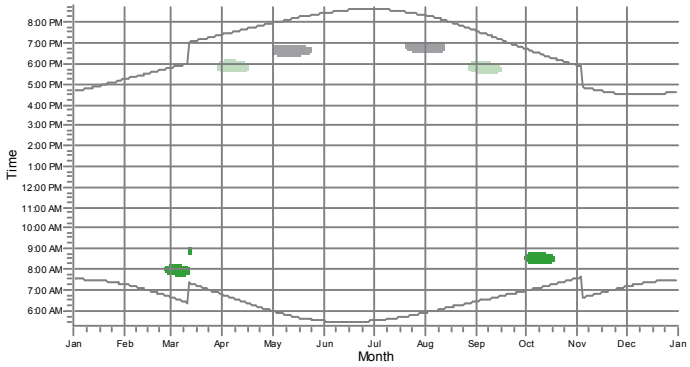
13: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3280)



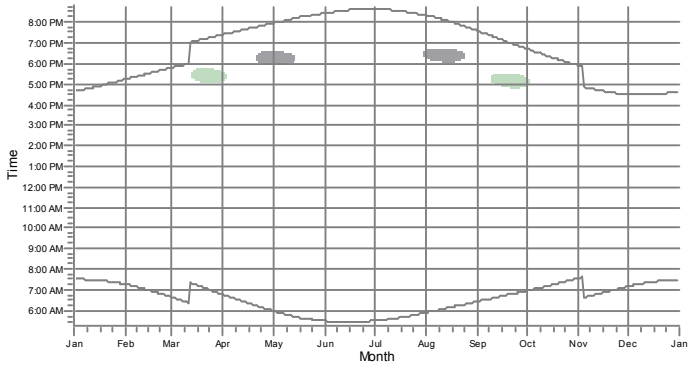
14: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3281)



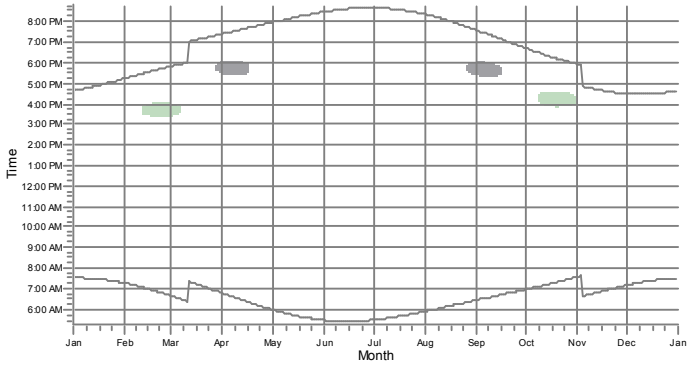
15: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3282)



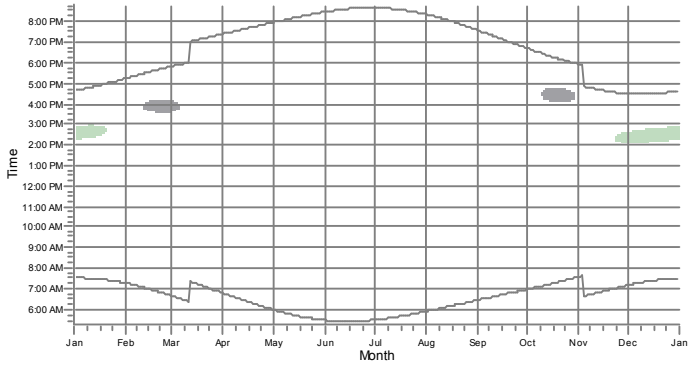
16: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3283)



17: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3284)



18: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3285)



WTGs

20: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (303)
22: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (305)
26: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (309)

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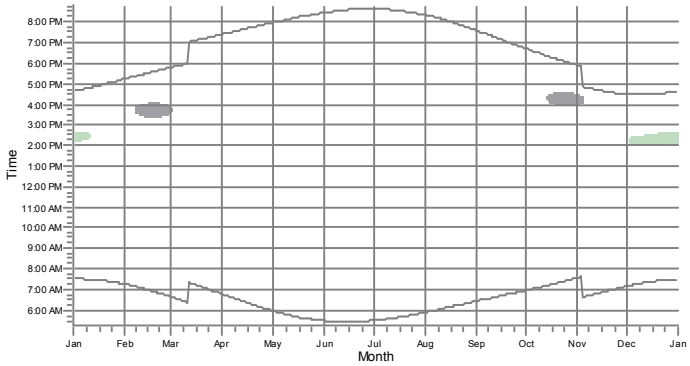
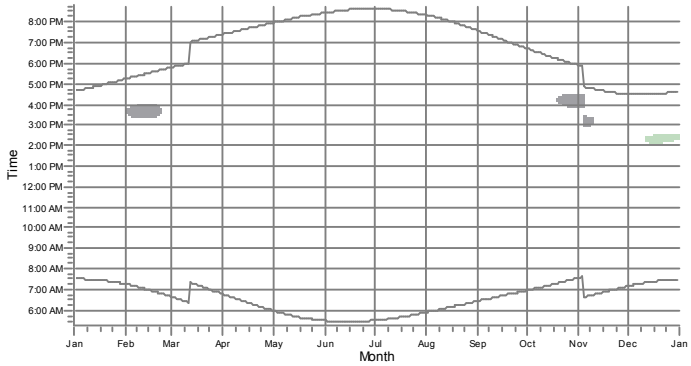
SHADOW - Calendar, graphical

Calculation: Points & Grid

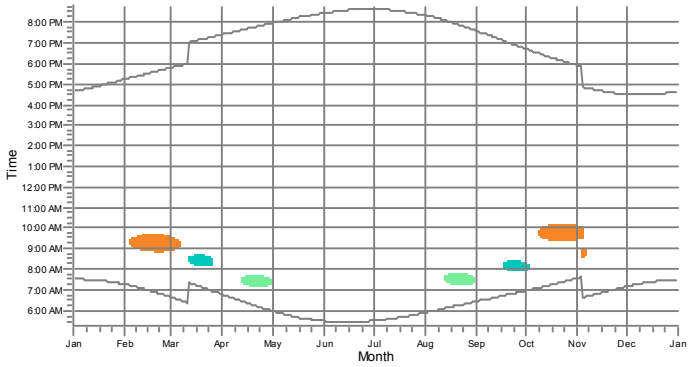
19: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3286)



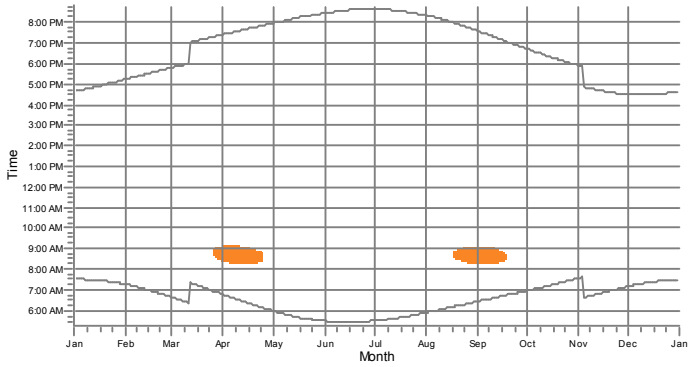
20: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3287)



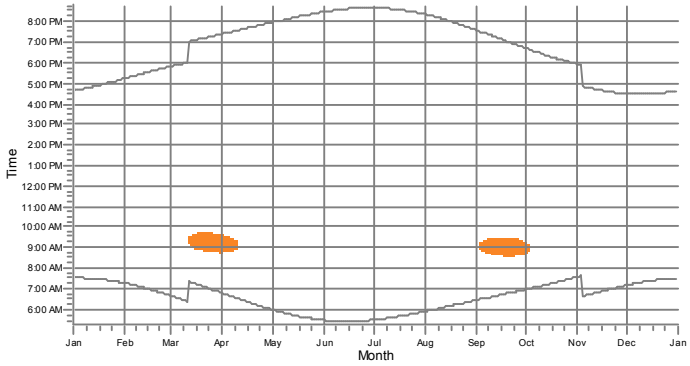
21: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3288)



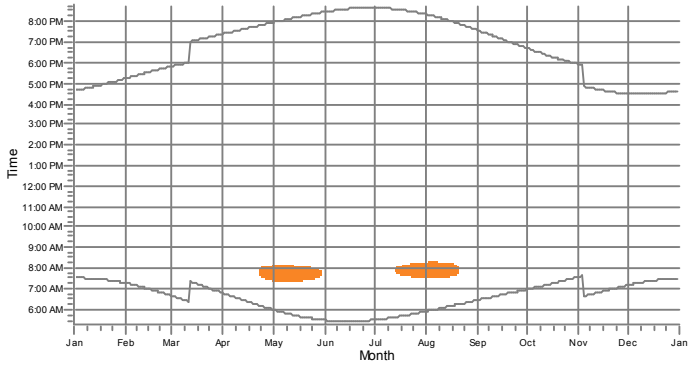
22: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3289)



23: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3290)



24: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3291)



WTGs

- 20: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (303)
- 22: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (305)
- 27: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (310)
- 29: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (312)
- 32: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (315)

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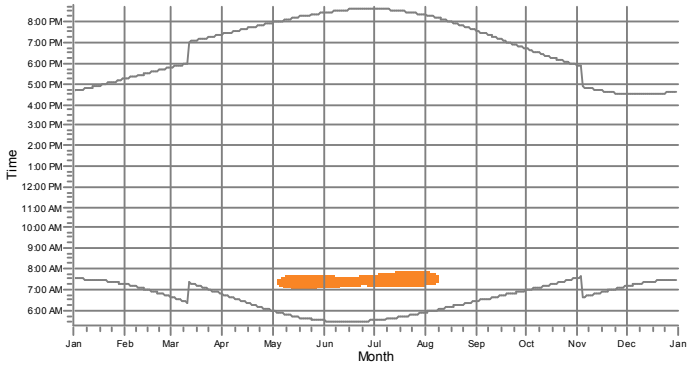
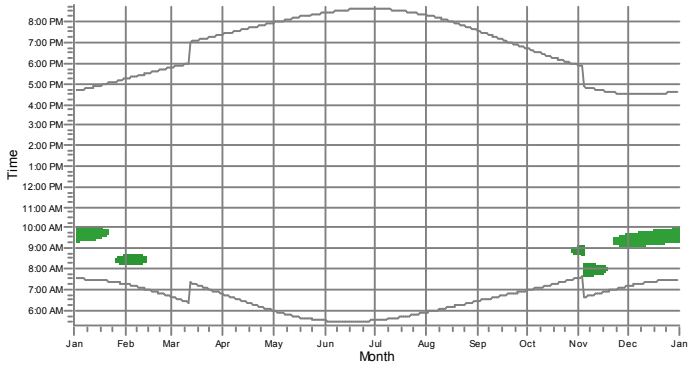
SHADOW - Calendar, graphical

Calculation: Points & Grid

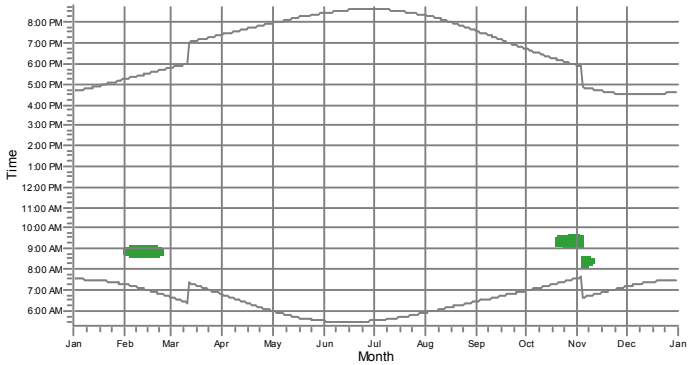
25: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3292)



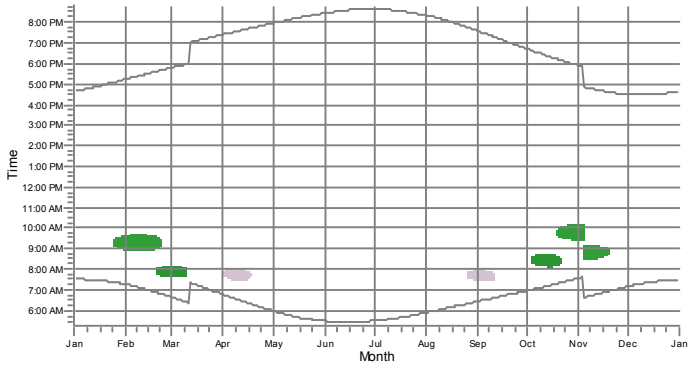
26: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3293)



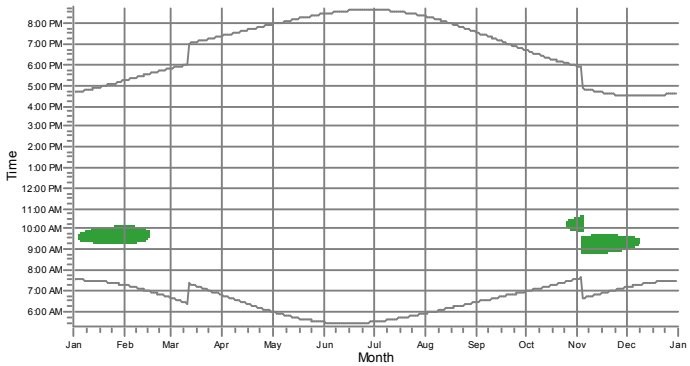
27: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3294)



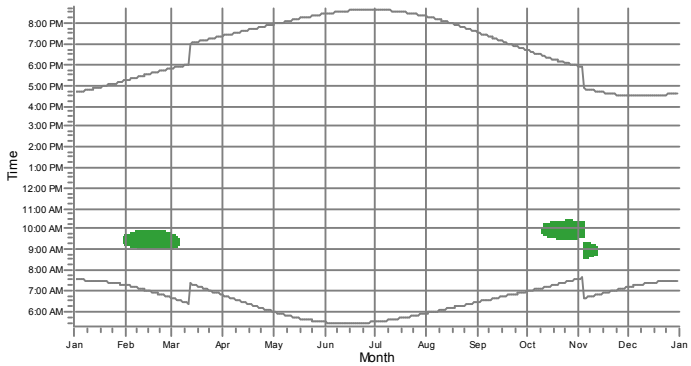
28: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3295)



29: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3296)



30: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3297)



WTGs

26: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (309)
29: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (312)
31: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (314)
33: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (316)

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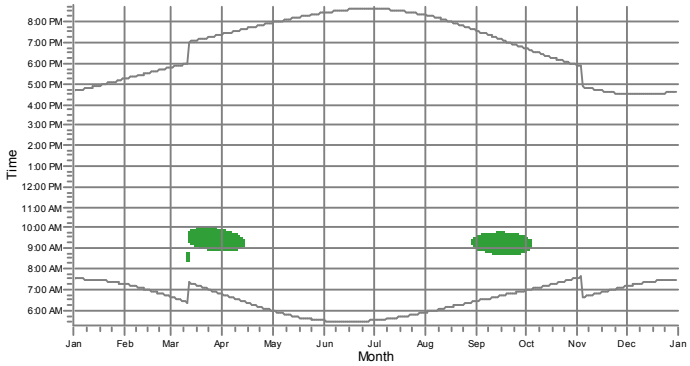
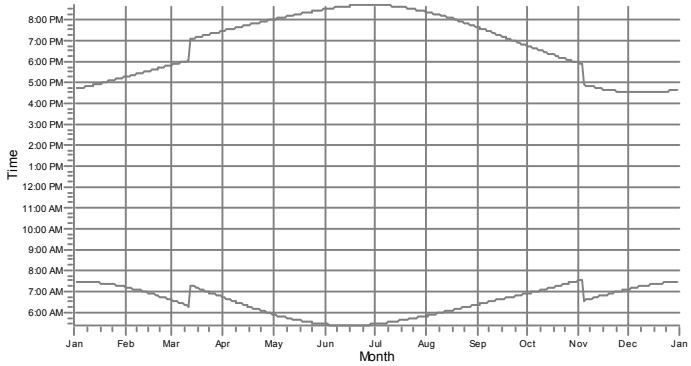
SHADOW - Calendar, graphical

Calculation: Points & Grid

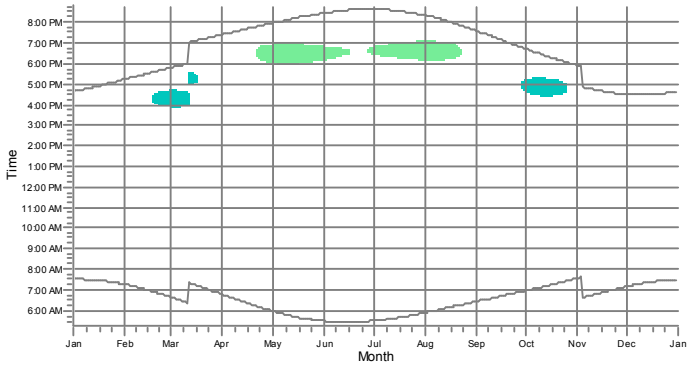
31: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3298)



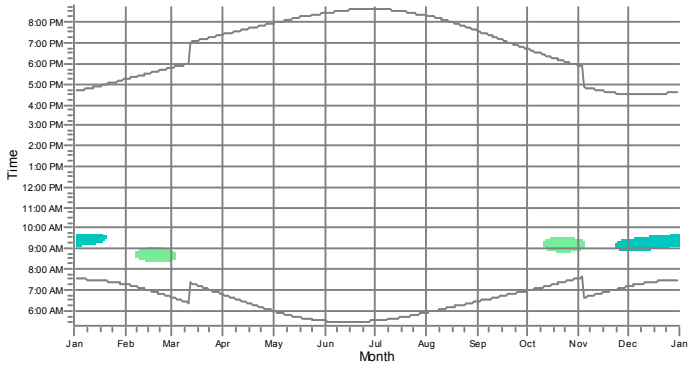
32: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3299)



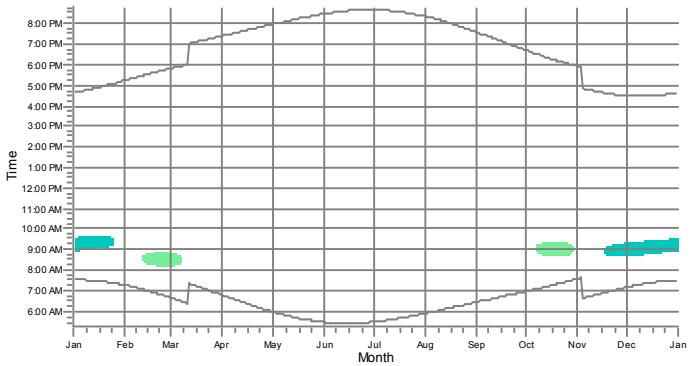
33: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3300)



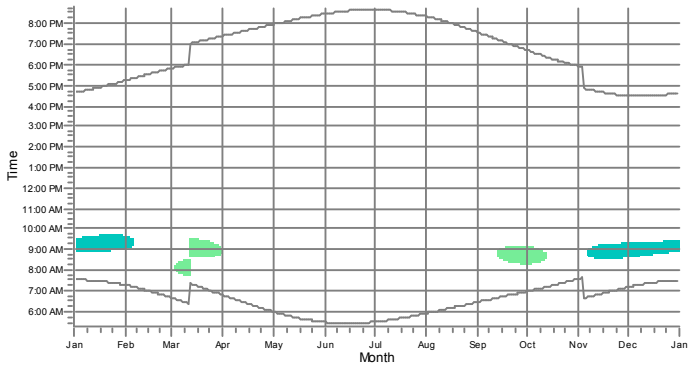
34: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3301)



35: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3302)



36: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3303)



WTGs

26: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (309)
27: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (310)
32: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (315)

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Calculated:
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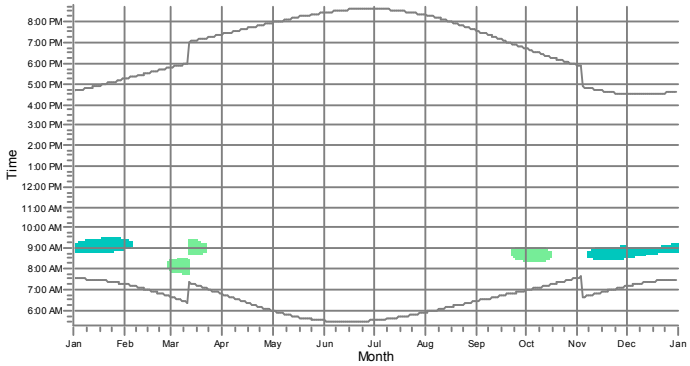
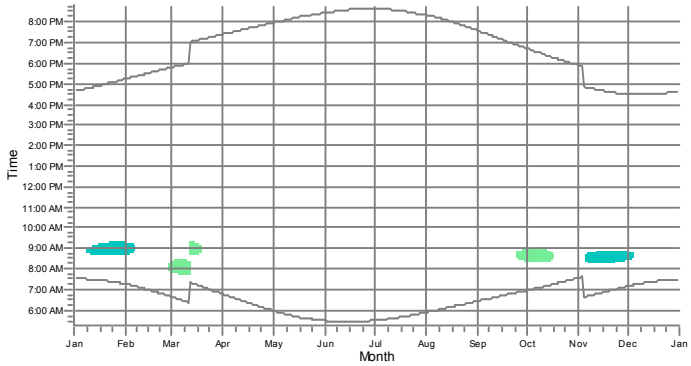
SHADOW - Calendar, graphical

Calculation: Points & Grid

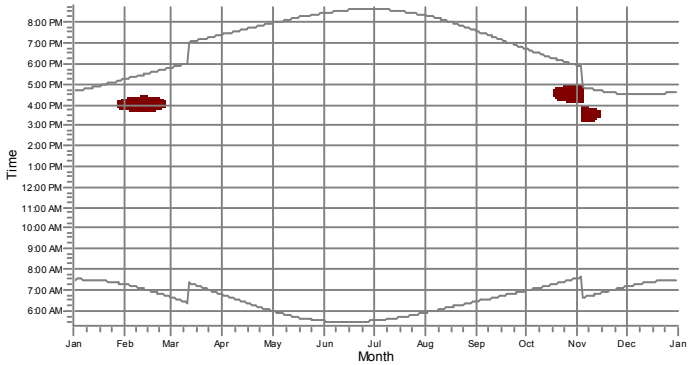
37: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3304)



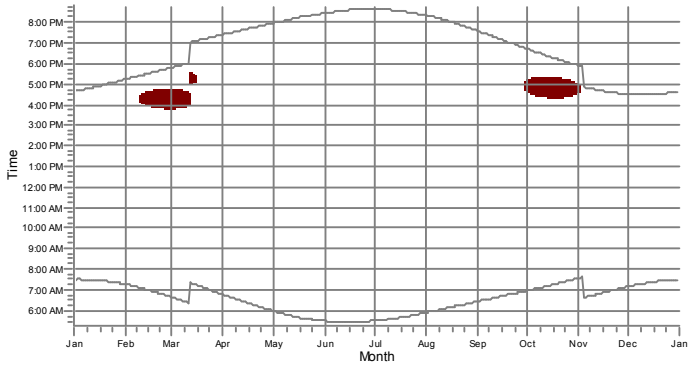
38: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3305)



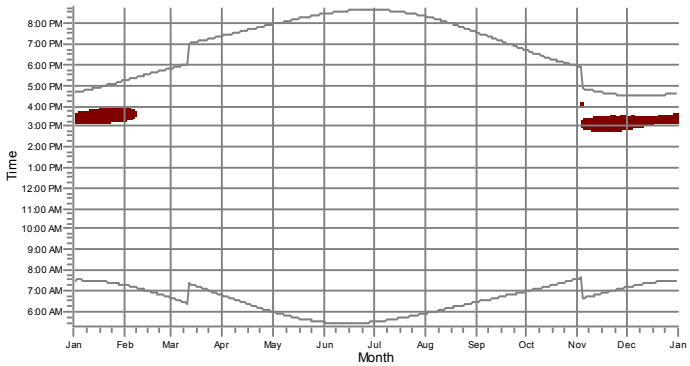
39: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3306)



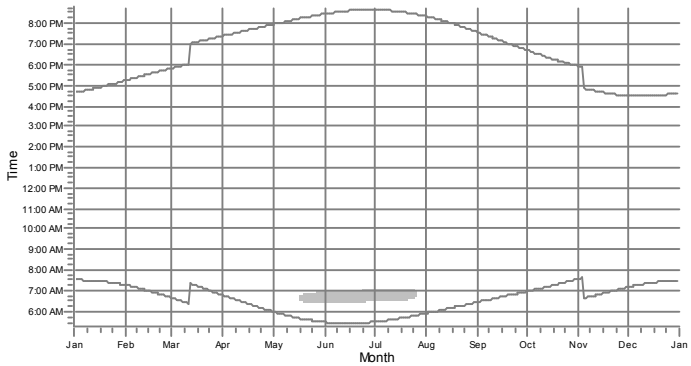
40: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3307)



41: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3308)



42: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3309)



WTGs

- 11: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (297)
- 16: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (301)
- 27: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (310)
- 32: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (315)

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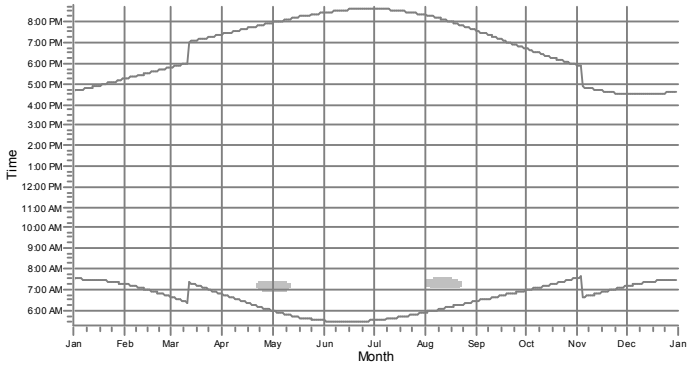
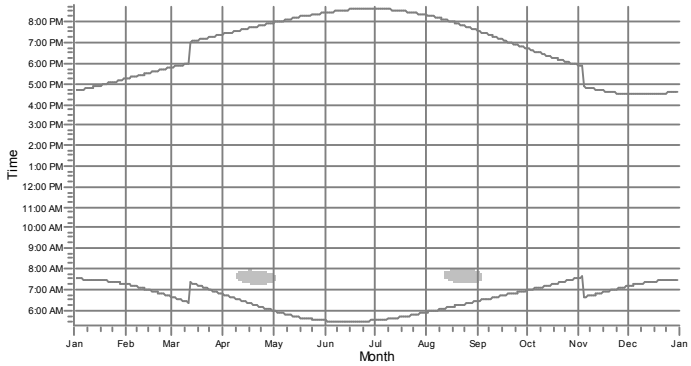
SHADOW - Calendar, graphical

Calculation: Points & Grid

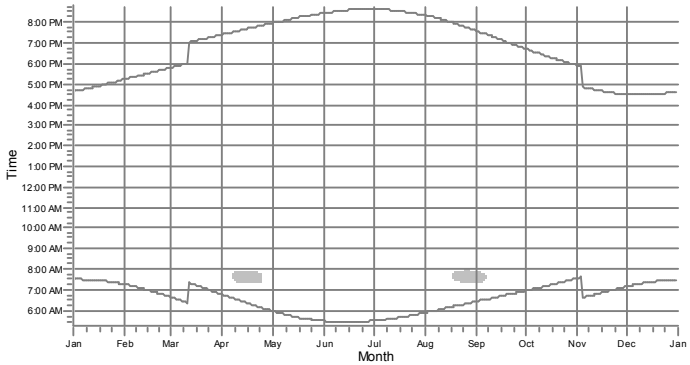
43: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3310)



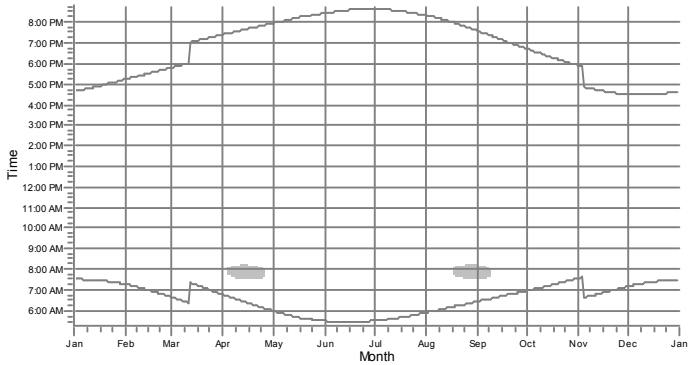
44: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3311)



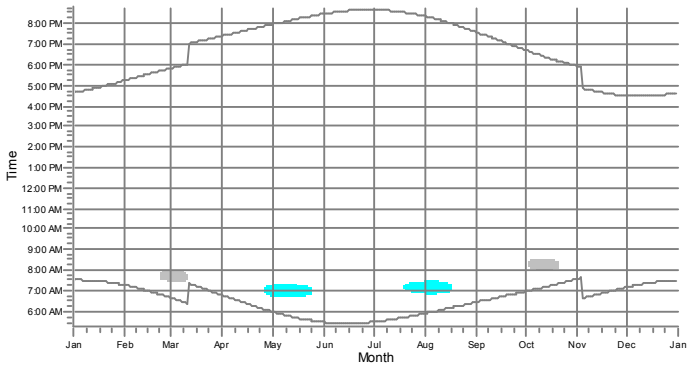
45: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3312)



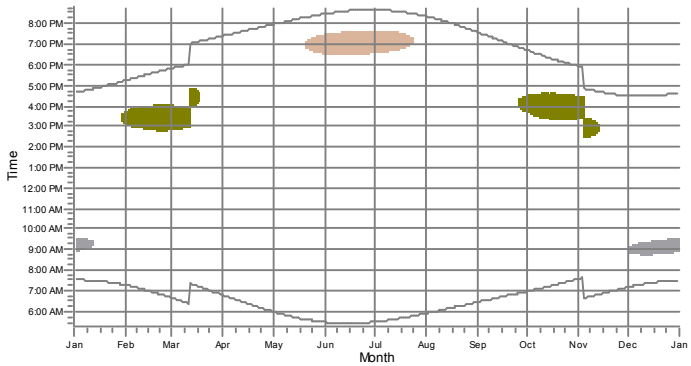
46: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3313)



47: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3314)



48: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3315)



WTGs

14: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (299)
19: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (302)
23: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (306)
16: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (301)
22: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (305)

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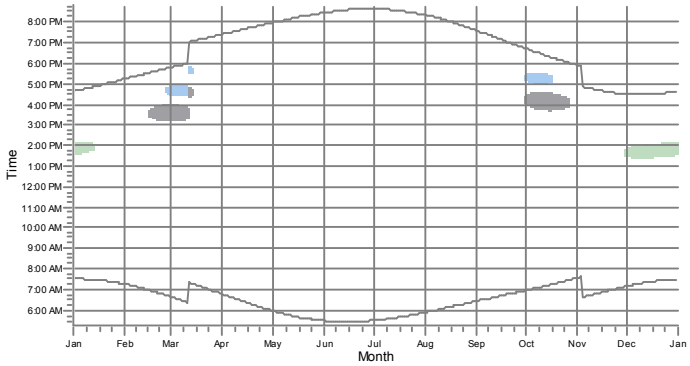
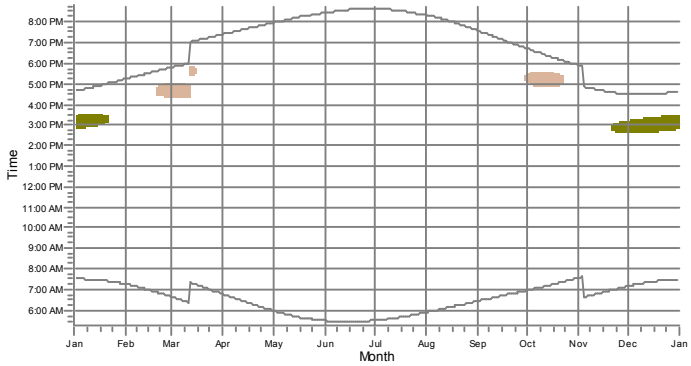
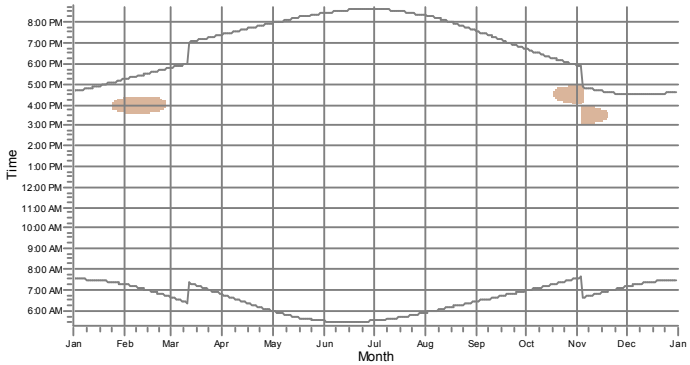
49: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3316)



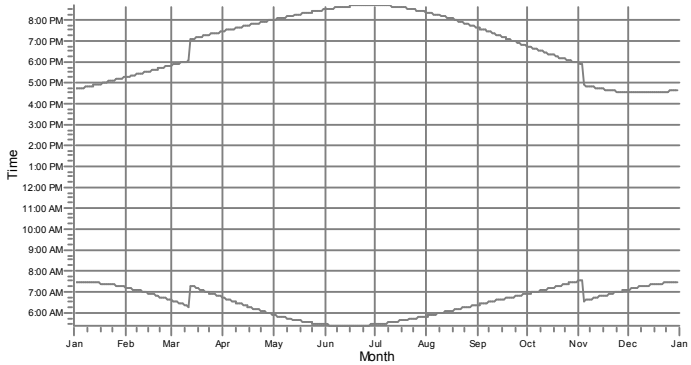
50: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3317)



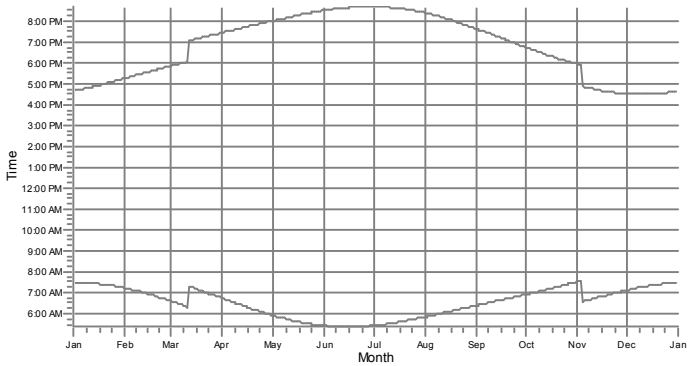
51: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3318)



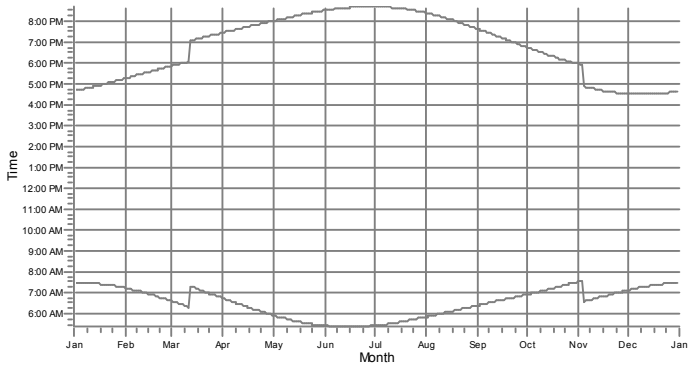
52: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3319)



53: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3320)



54: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3321)



WTGs

14: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (299)
21: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (304)
23: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (306)
20: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (303)
22: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (305)

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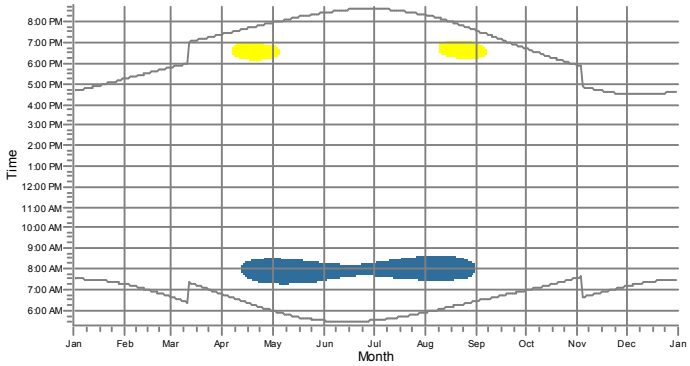
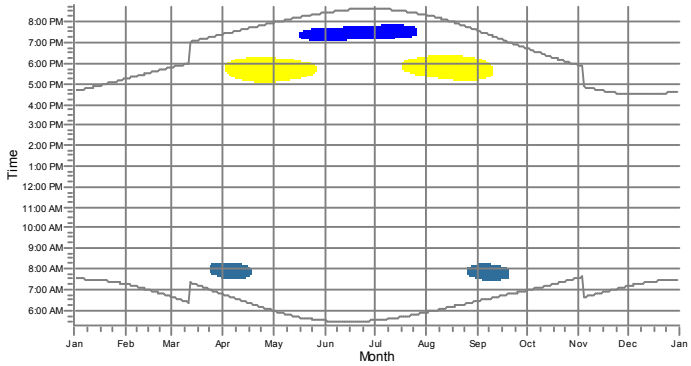
Calculation: Points & Grid

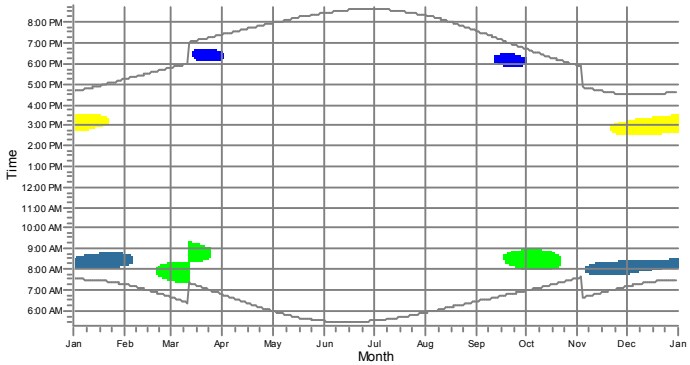
55: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3322)



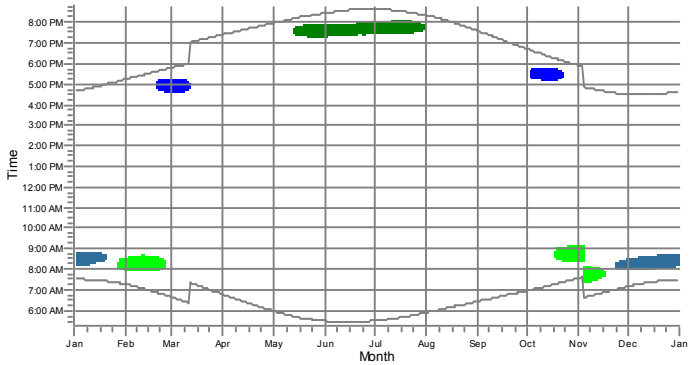
56: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3323)



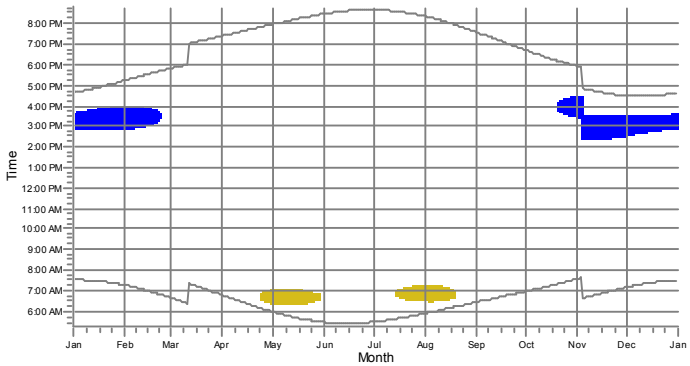
57: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3324)



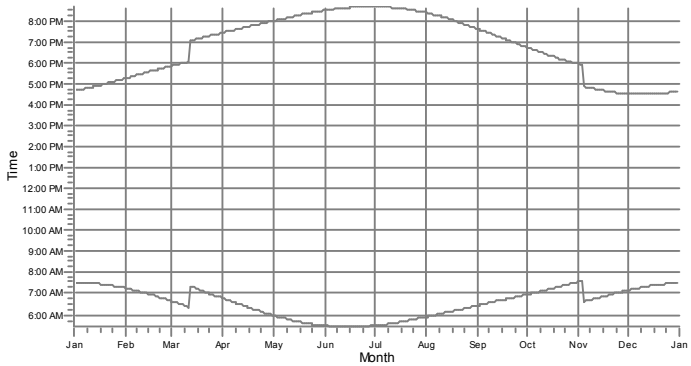
58: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3325)



59: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3326)



60: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3327)



WTGs

- 1: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (290)
- 3: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (291)
- 4: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (292)
- 13: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (298)
- 28: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (311)
- 36: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (319)

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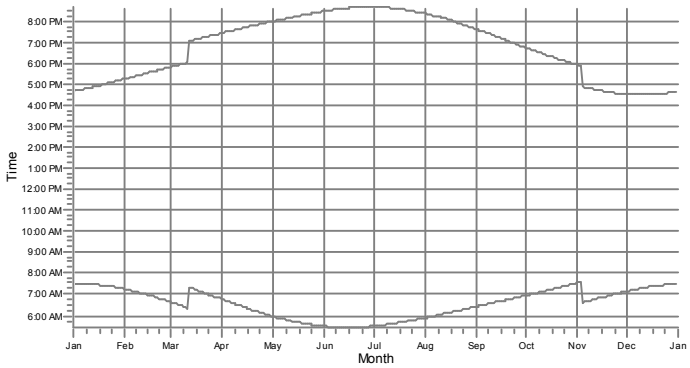
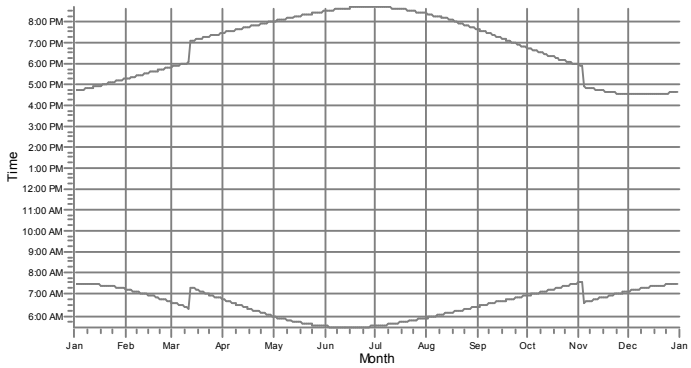
Calculation: Points & Grid

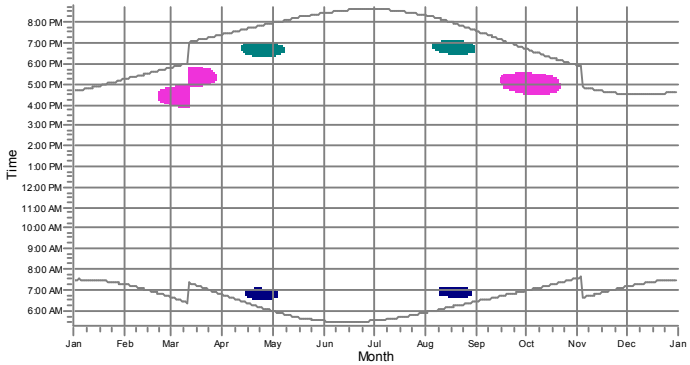
61: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3328)



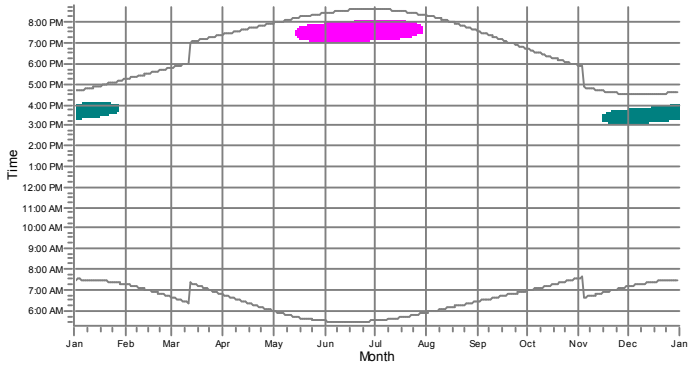
62: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3329)



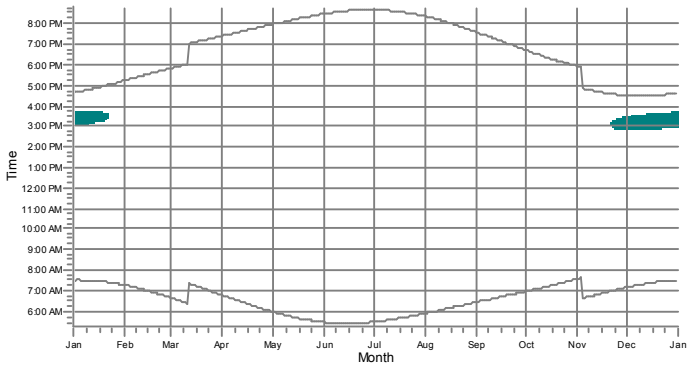
63: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3330)



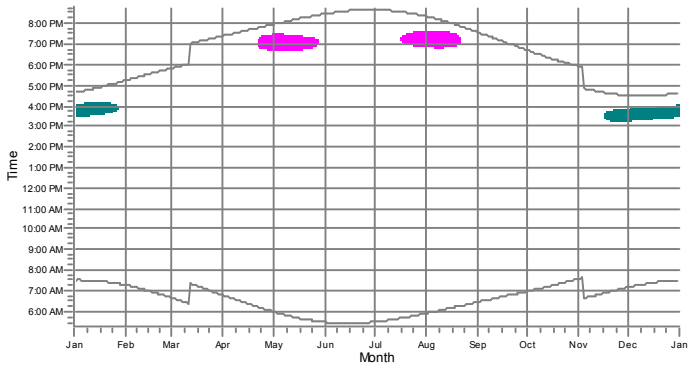
64: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3331)



65: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3332)



66: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3333)



WTGs

- 6: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (294)
- 7: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (295)
- 10: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (296)
- 37: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (320)

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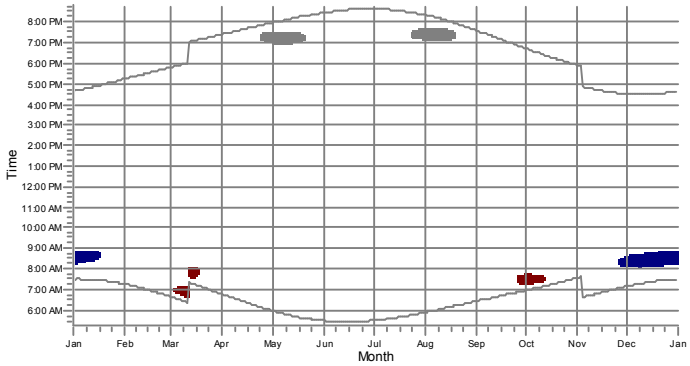
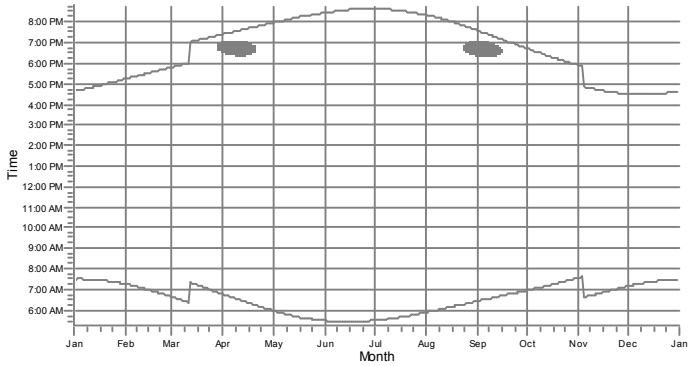
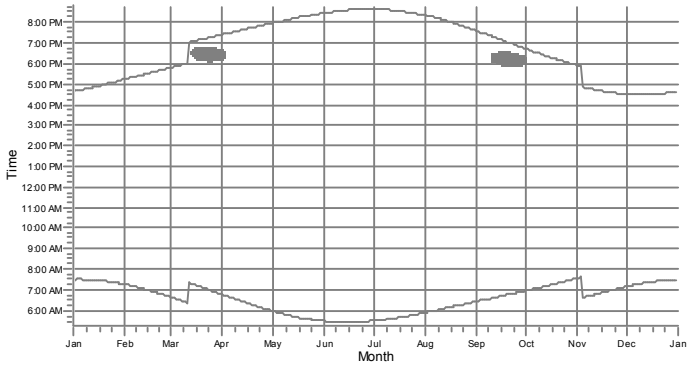
67: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3334)



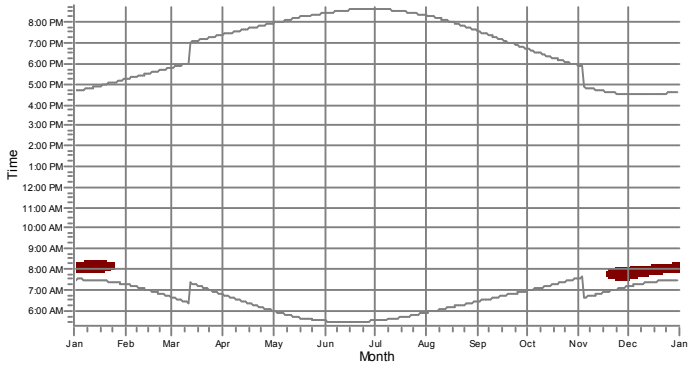
68: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3335)



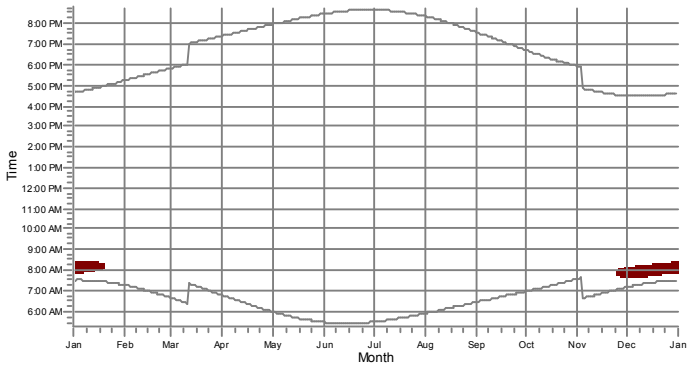
69: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3336)



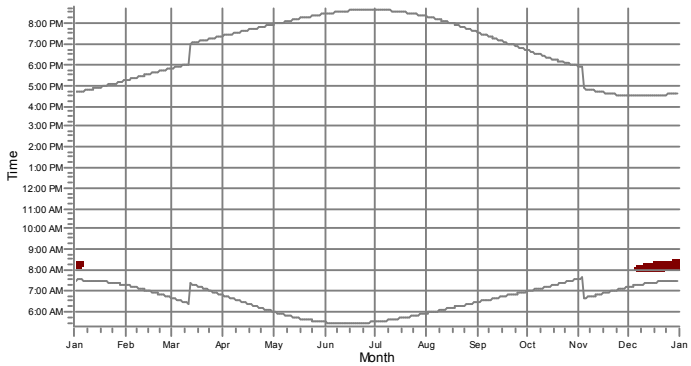
70: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3337)



71: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3338)



72: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3339)



WTGs

5: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (293)
10: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (296)
11: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (297)

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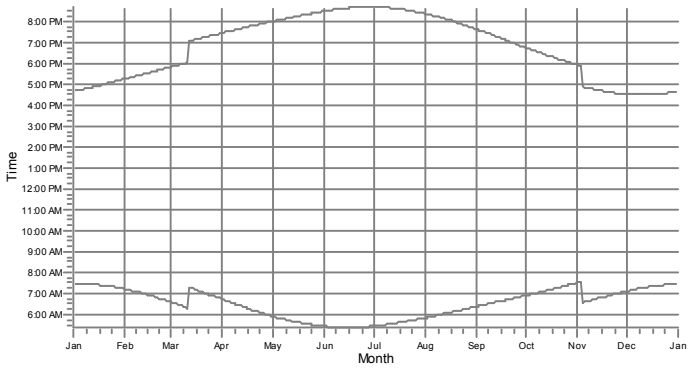
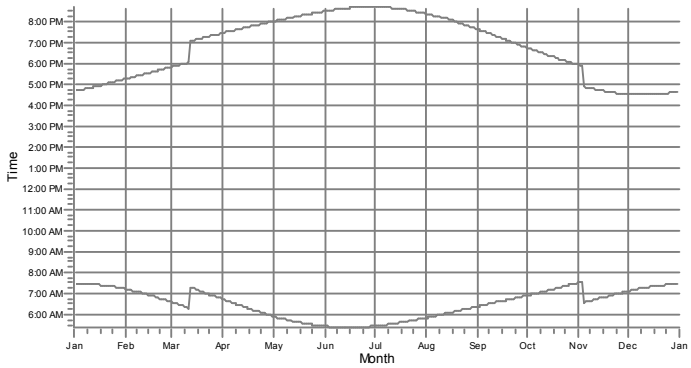
Calculation: Points & Grid

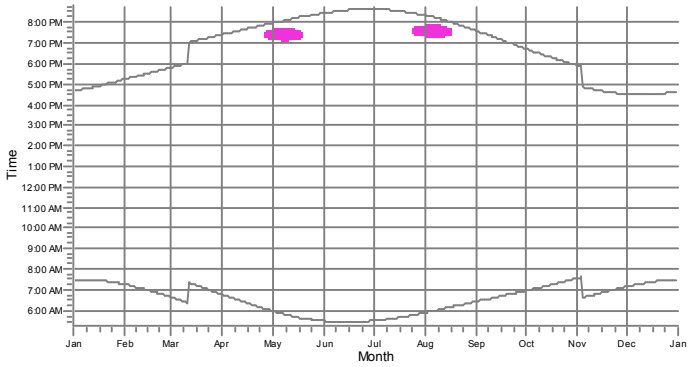
73: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3340)



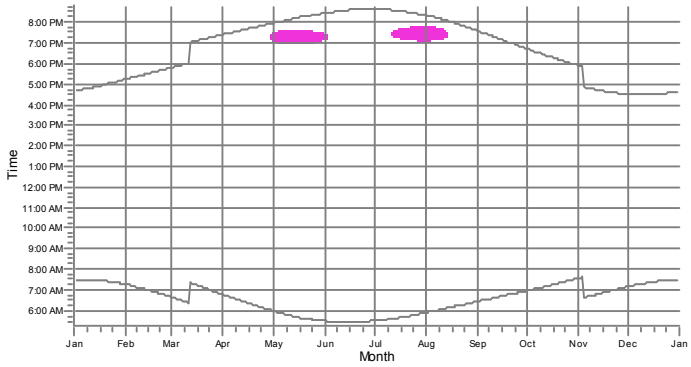
74: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3341)



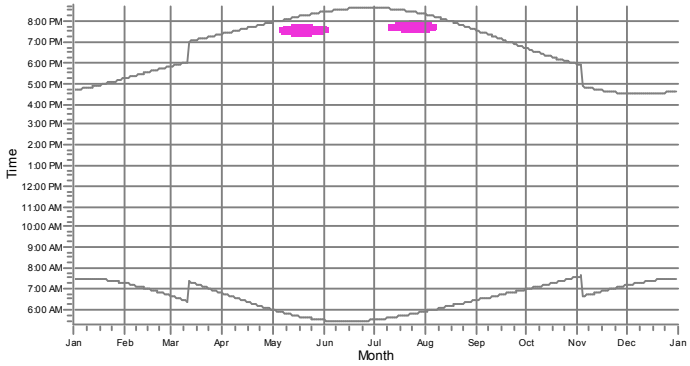
75: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3342)



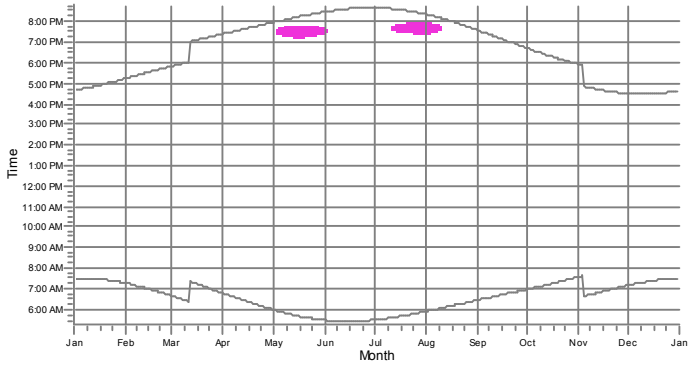
76: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3343)



77: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3344)



78: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3345)



WTGs

37: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (320)

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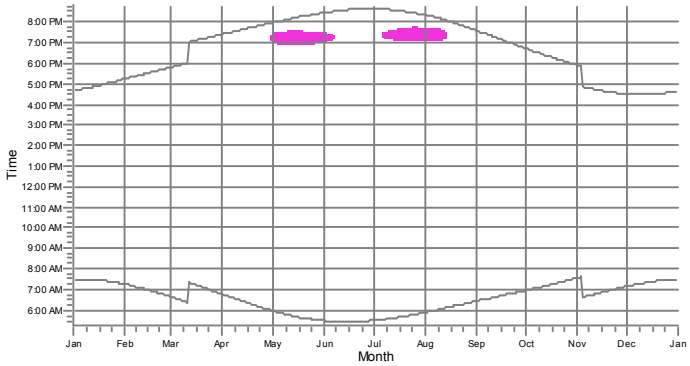
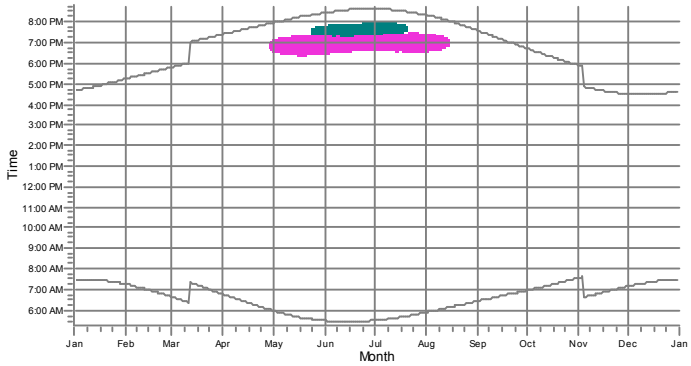
SHADOW - Calendar, graphical

Calculation: Points & Grid

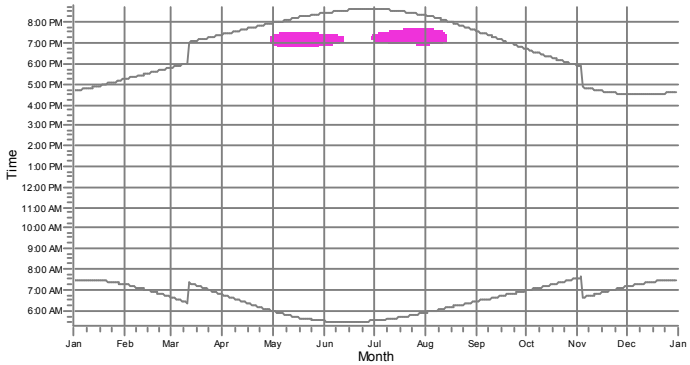
79: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3346)



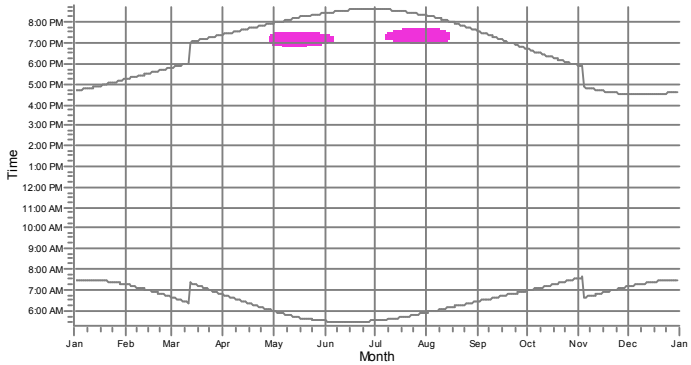
80: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3347)



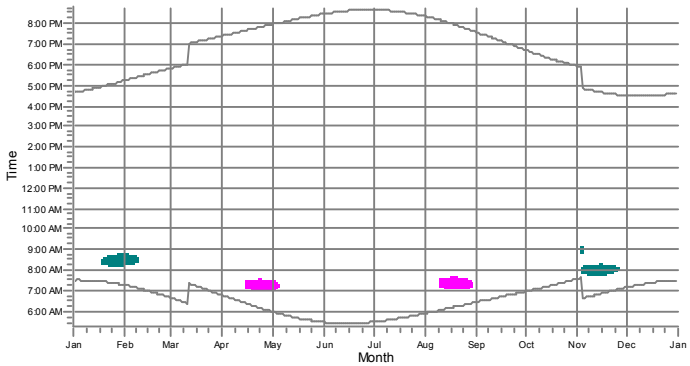
81: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3348)



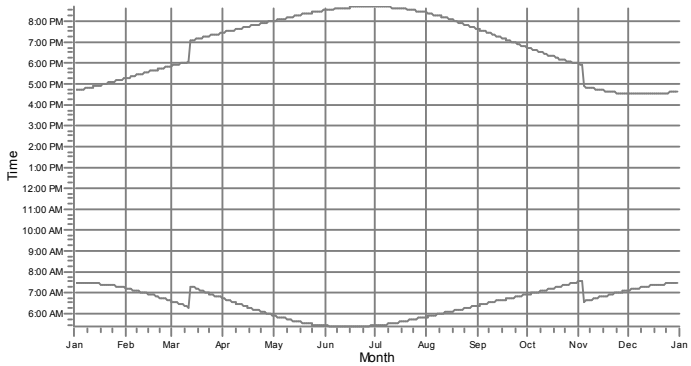
82: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3349)



83: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3350)



84: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3351)



WTGs

6: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (294)
7: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (295)
37: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (320)

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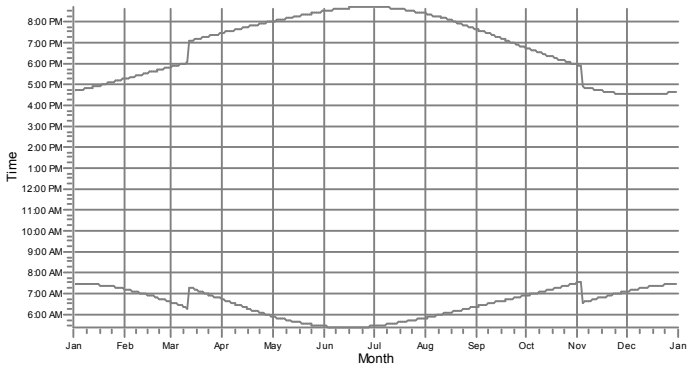
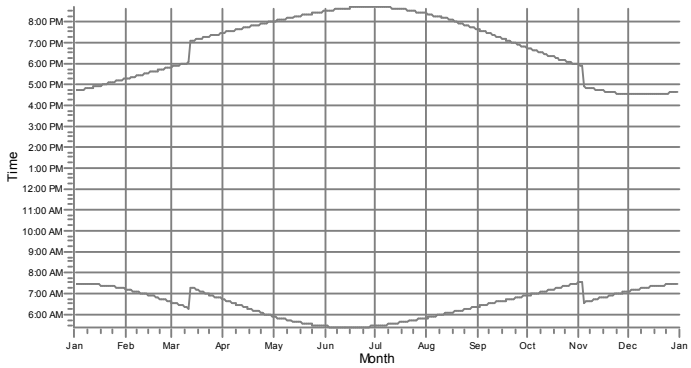
Calculation: Points & Grid

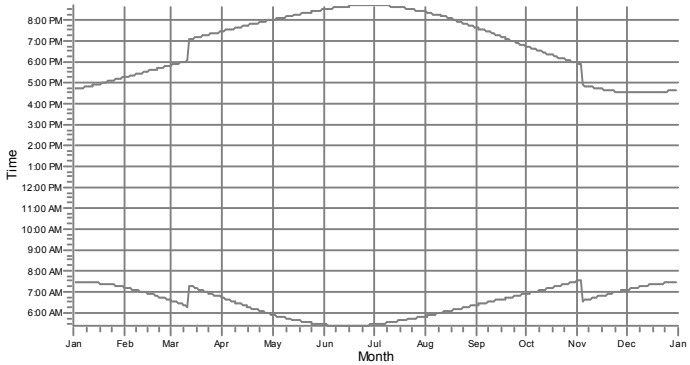
85: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3352)



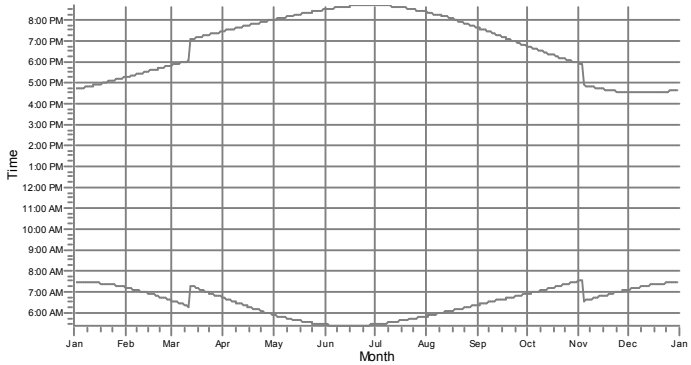
86: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3353)



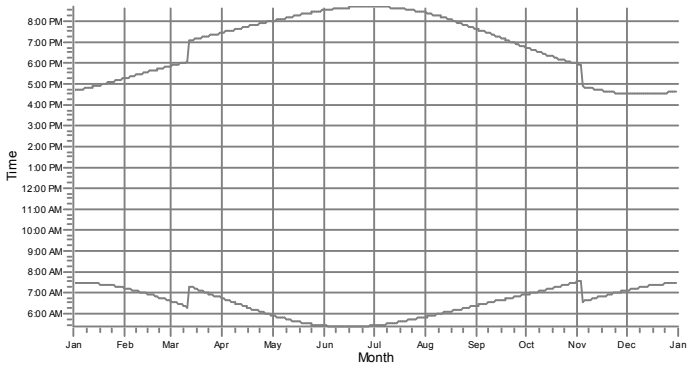
87: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3354)



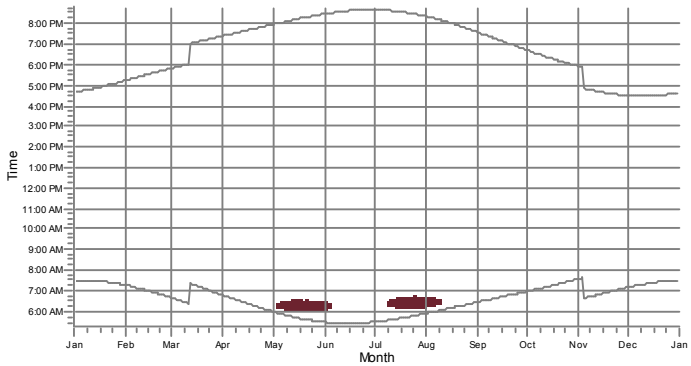
88: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3355)



89: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3356)



90: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3357)



WTGs

38: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (321)

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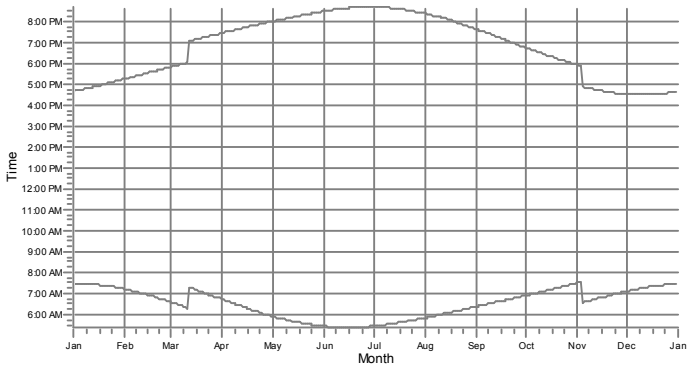
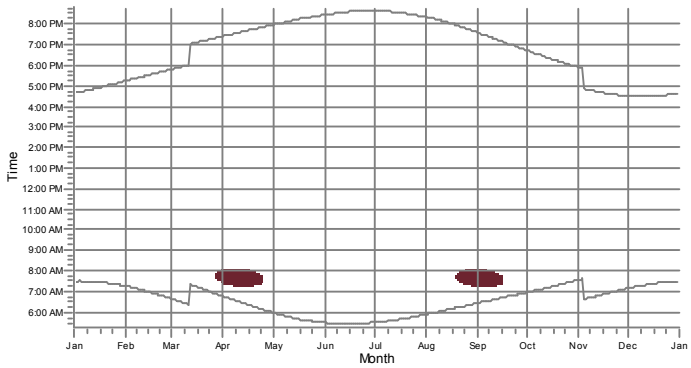
SHADOW - Calendar, graphical

Calculation: Points & Grid

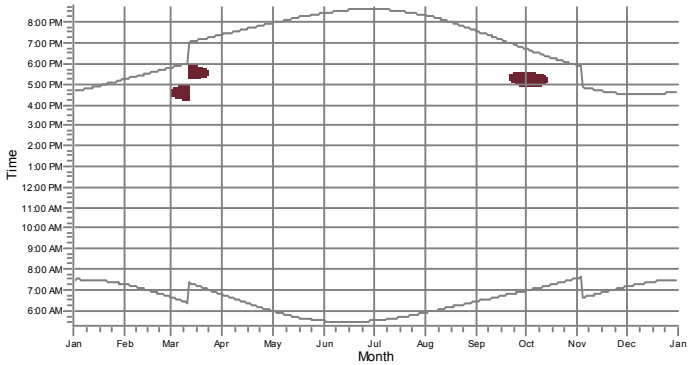
91: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3358)



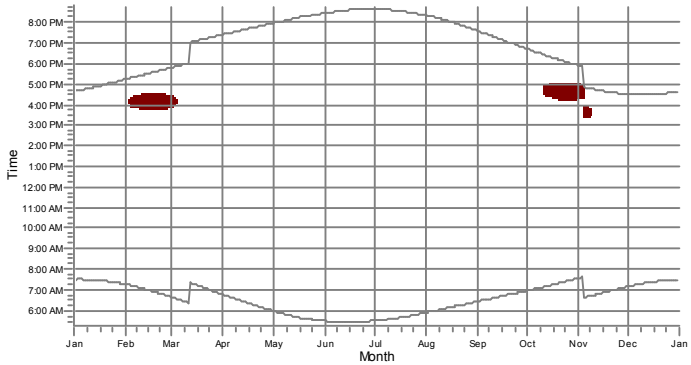
94: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3359)



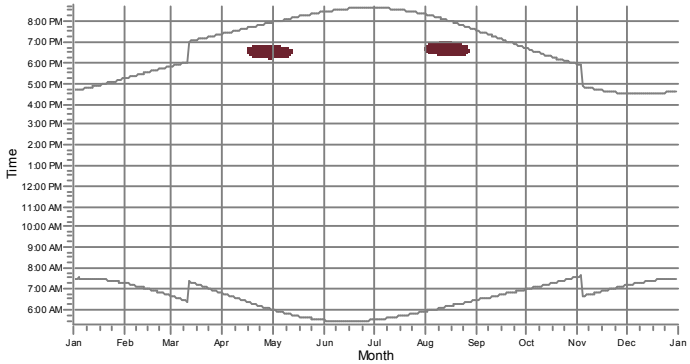
95: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3360)



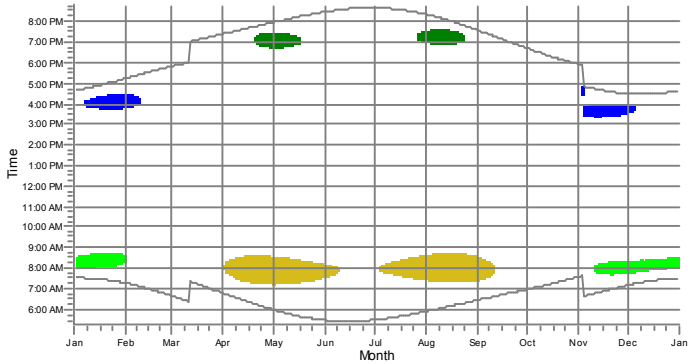
97: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3361)



98: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3362)



99: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3363)



WTGs

- 1: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (290)
- 4: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (292)
- 11: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (297)
- 13: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (298)
- 36: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (319)
- 38: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (321)

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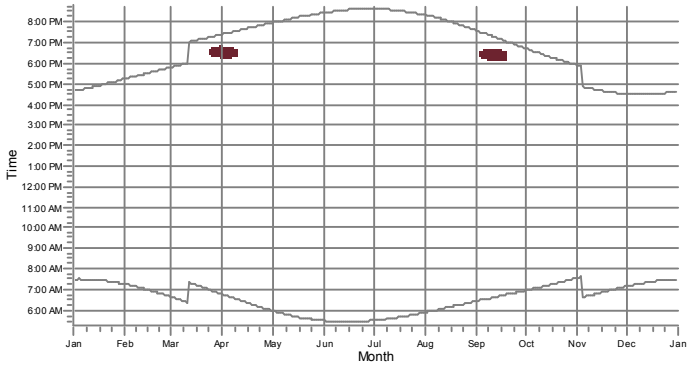
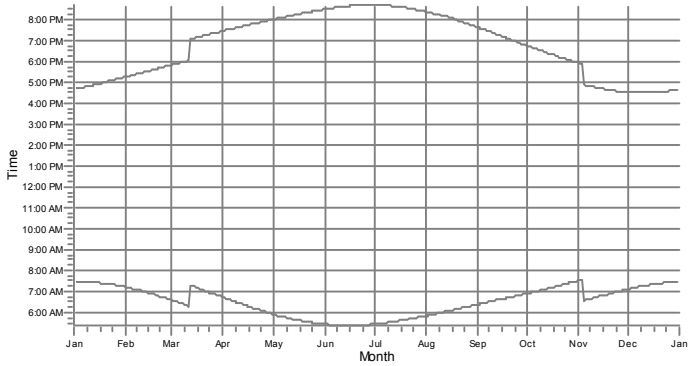
Calculation: Points & Grid

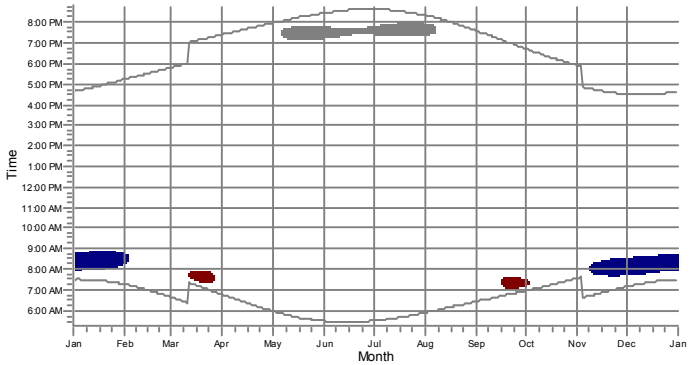
100: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3364)



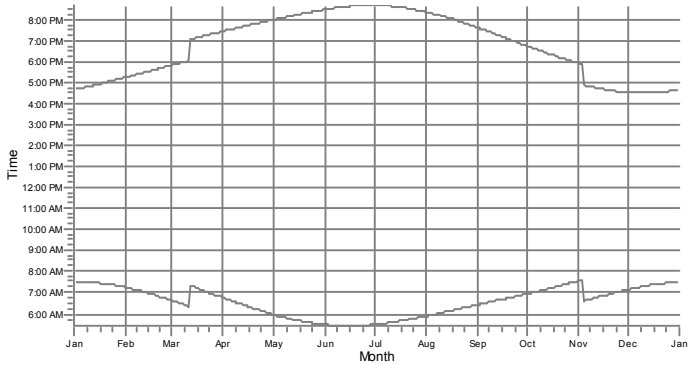
101: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3365)



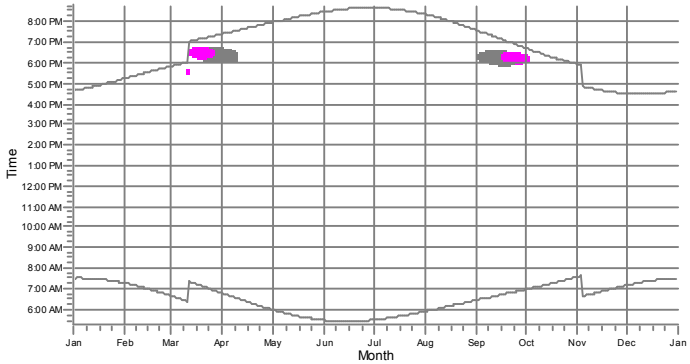
102: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3366)



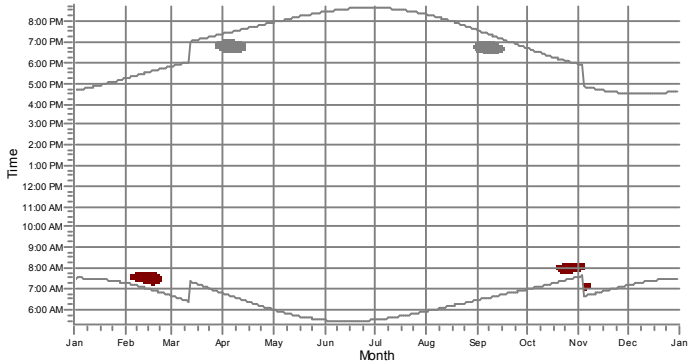
103: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3367)



104: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3368)



105: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3369)



WTGs

- 5: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (293)
- 6: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (294)
- 10: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (296)
- 11: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (297)
- 38: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (321)

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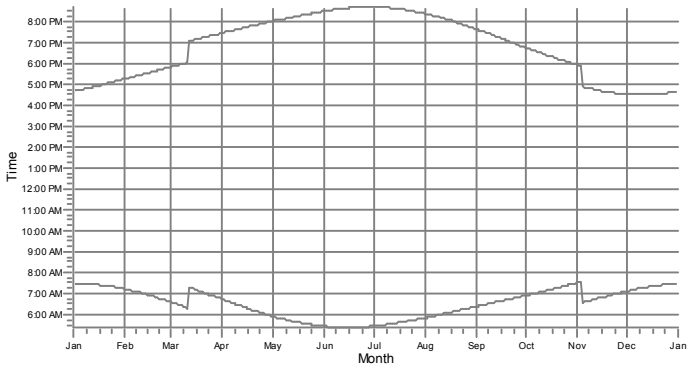
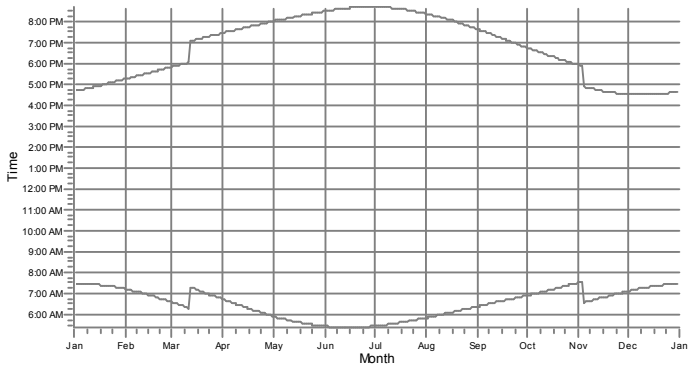
Calculation: Points & Grid

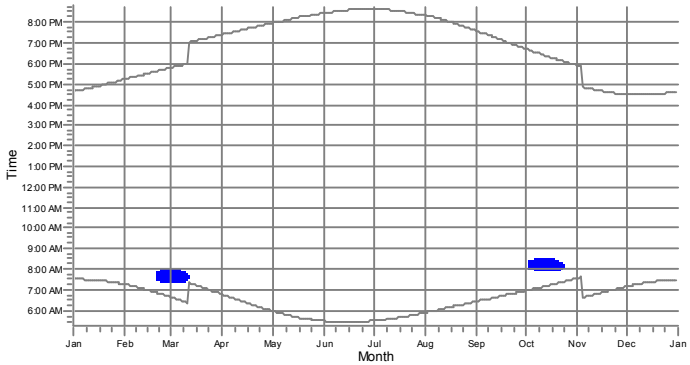
106: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3370)



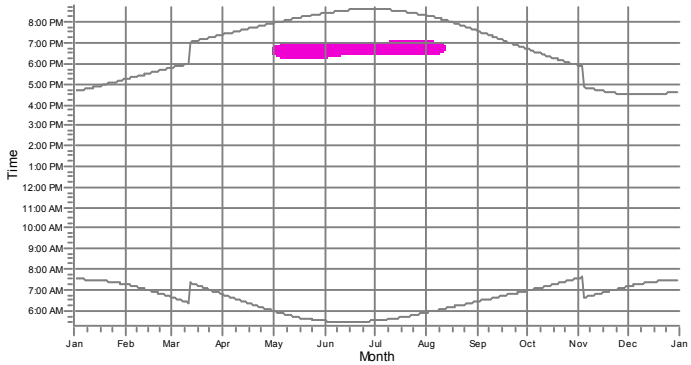
108: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3371)



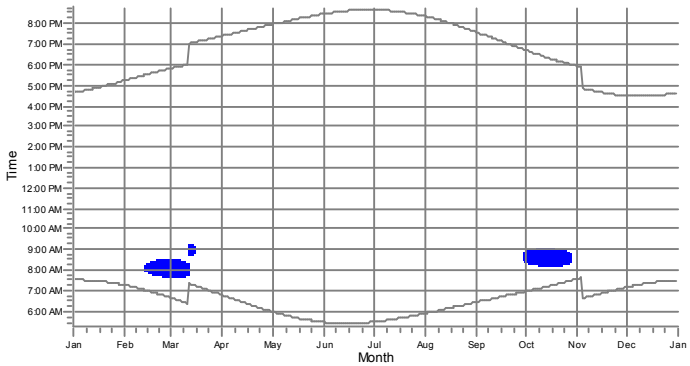
109: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3372)



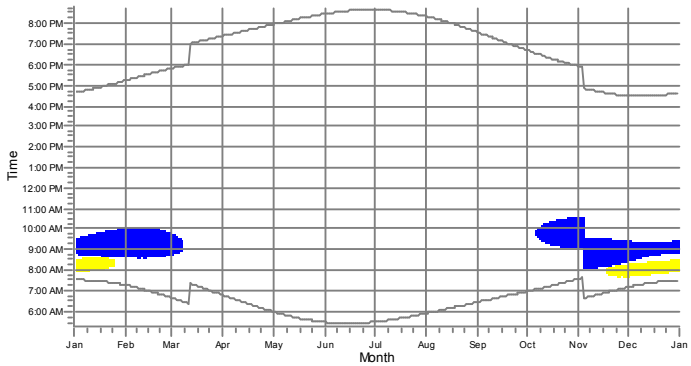
110: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3373)



111: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3374)



112: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3375)



WTGs

3: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (291)
4: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (292)
30: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (313)

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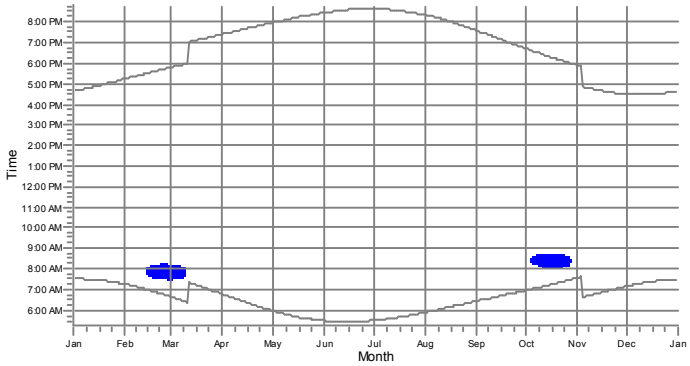
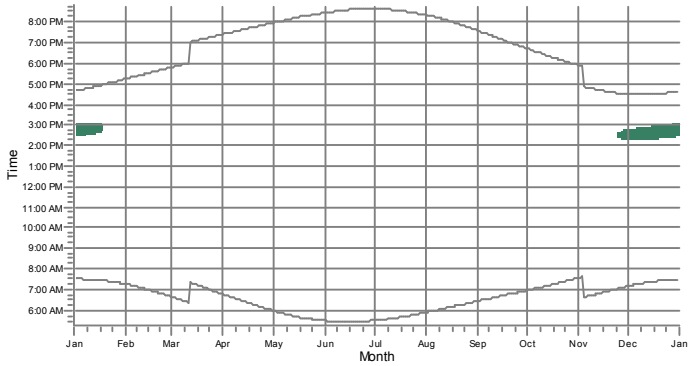
Calculation: Points & Grid

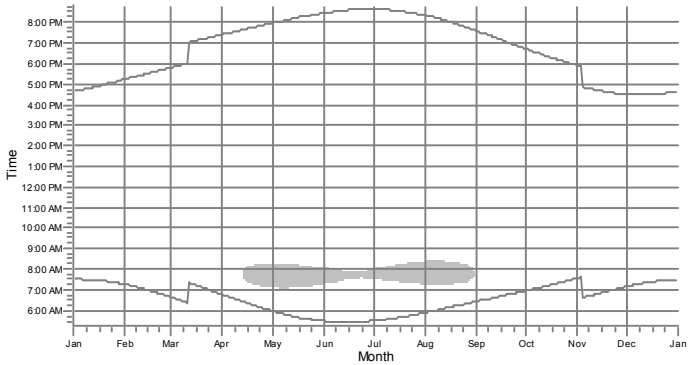
113: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3376)



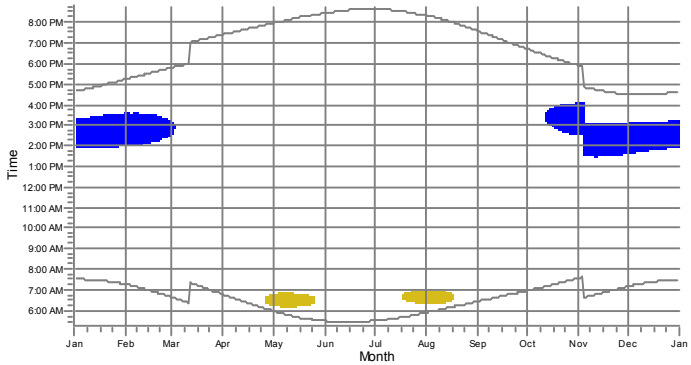
114: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3377)



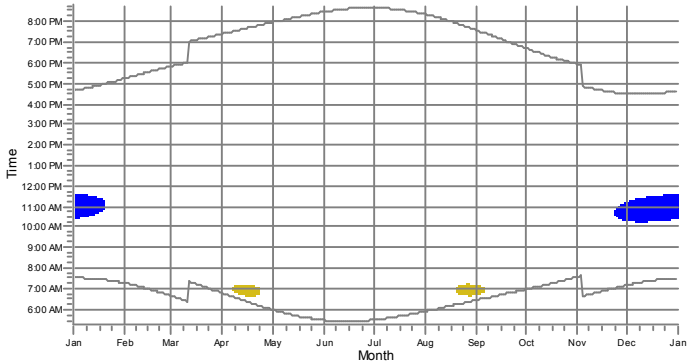
115: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3378)



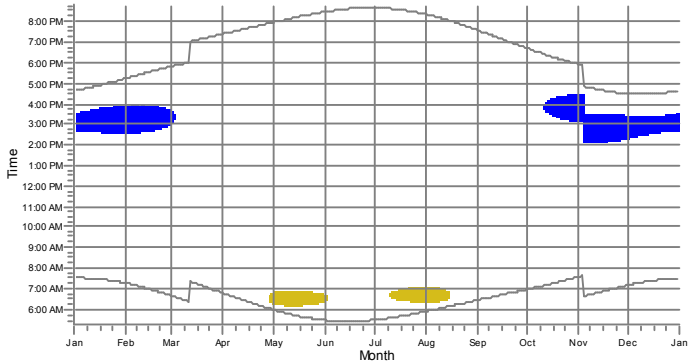
116: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3379)



117: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3380)



118: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3381)



WTGs

- 4: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (292)
- 16: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (301)
- 35: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (318)
- 36: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (319)

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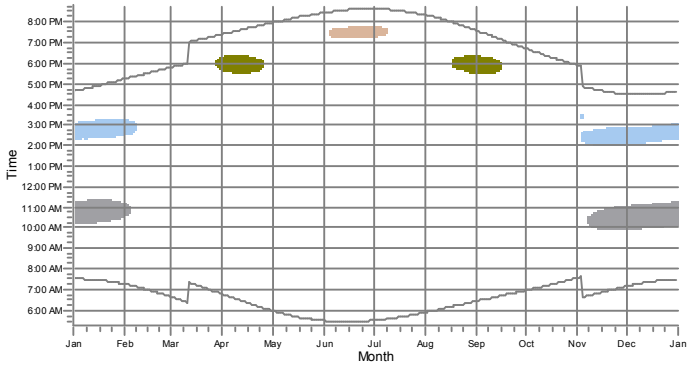
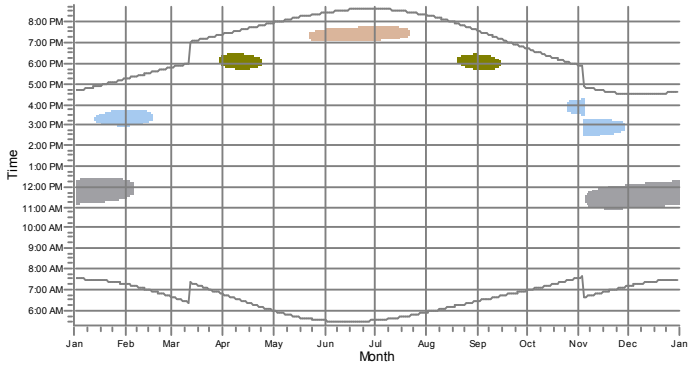
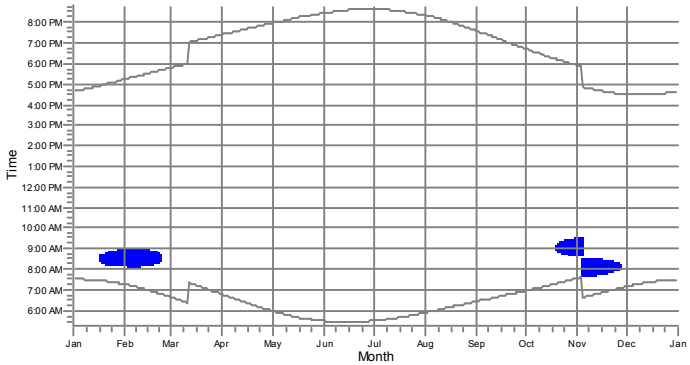
120: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3382)



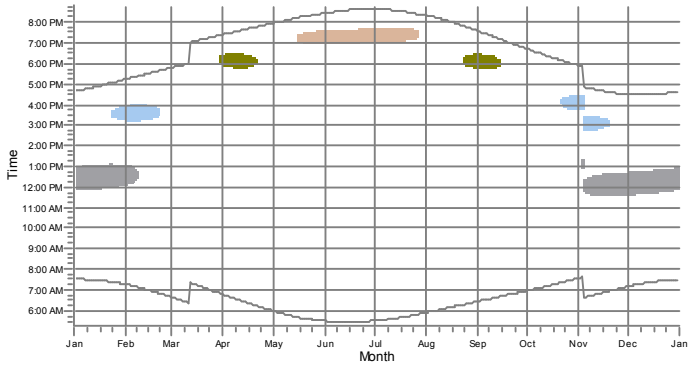
121: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3383)



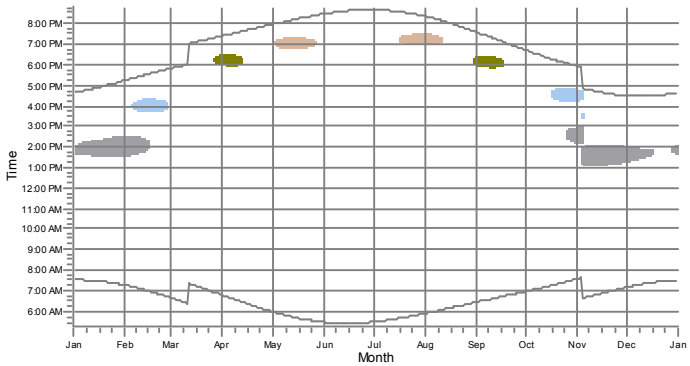
122: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3384)



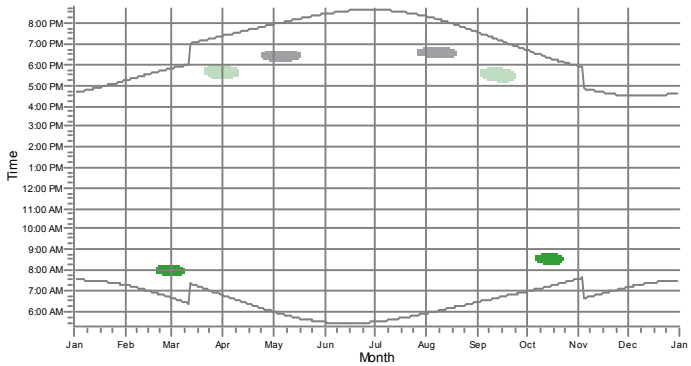
123: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3385)



124: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3386)



125: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3387)



WTGs

- 4: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (292)
- 14: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (299)
- 20: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (303)
- 21: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (304)
- 22: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (305)
- 23: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (306)
- 26: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (309)

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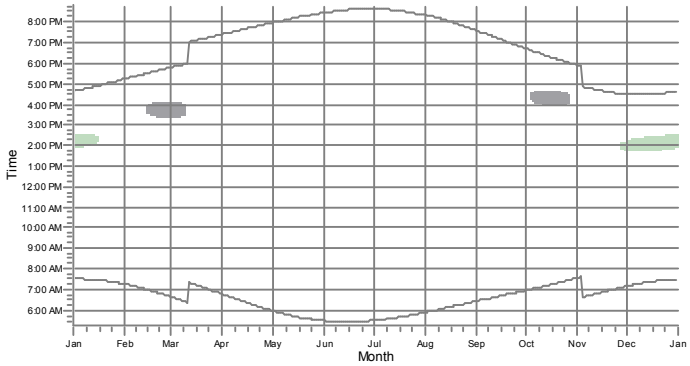
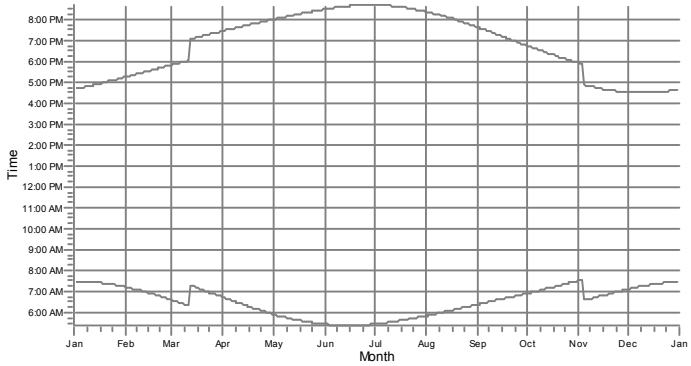
SHADOW - Calendar, graphical

Calculation: Points & Grid

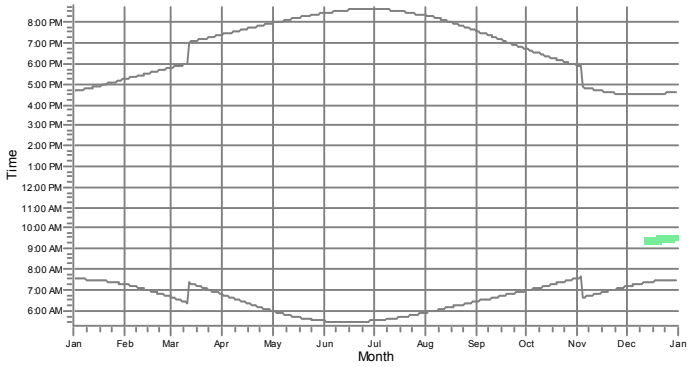
126: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3388)



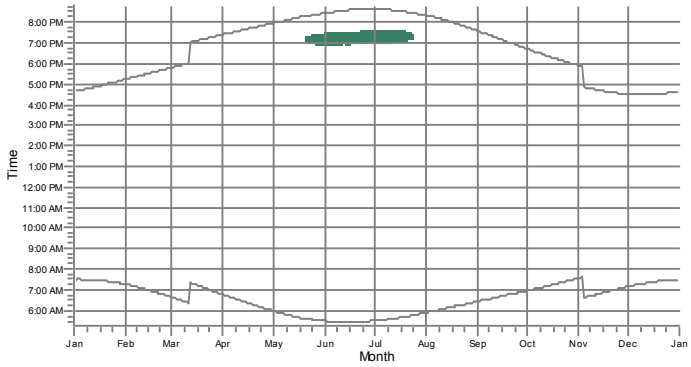
127: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3389)



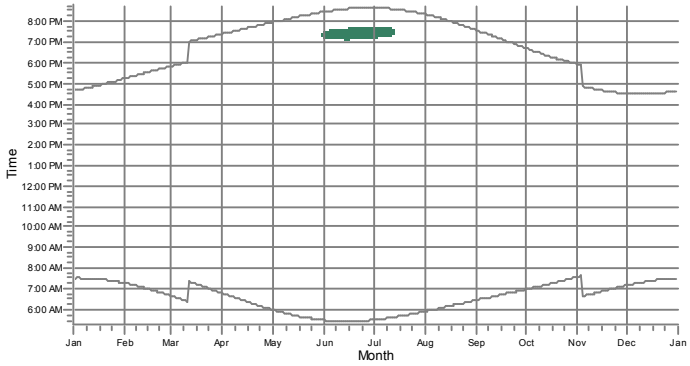
128: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3390)



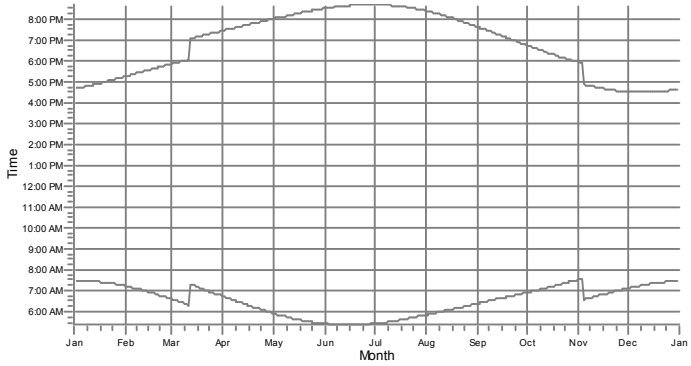
129: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3391)



130: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3392)



131: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3393)



WTGs

- 20: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (303)
- 22: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (305)
- 32: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (315)
- 35: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (318)

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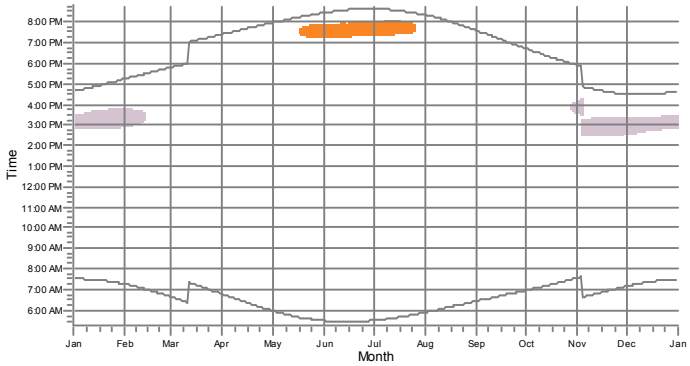
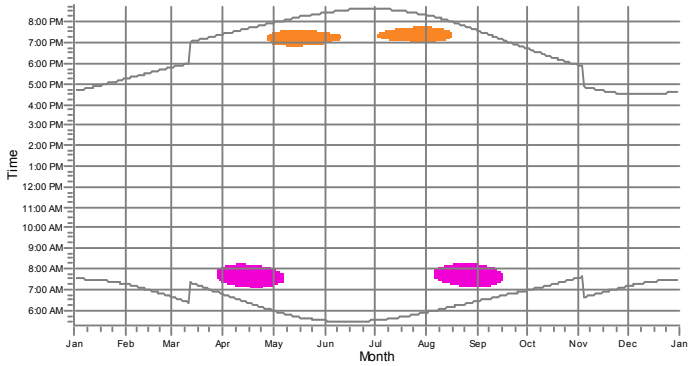
SHADOW - Calendar, graphical

Calculation: Points & Grid

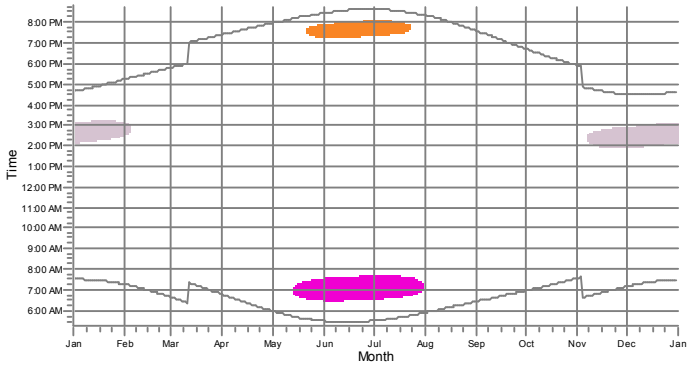
132: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3394)



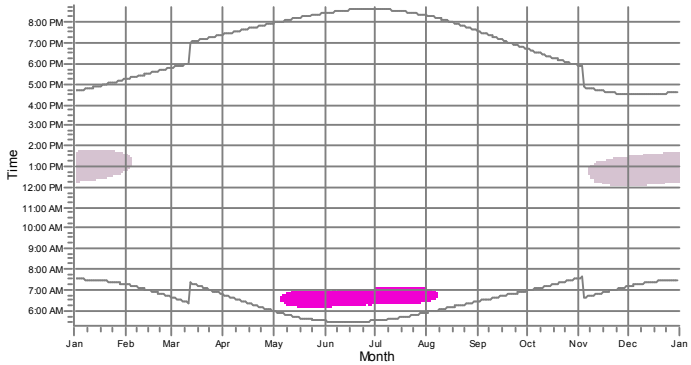
133: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3395)



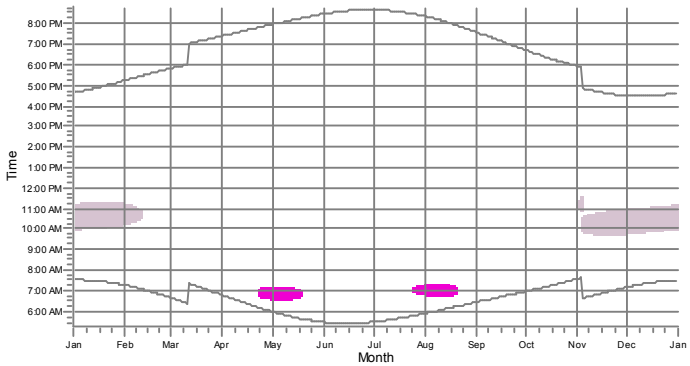
134: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3396)



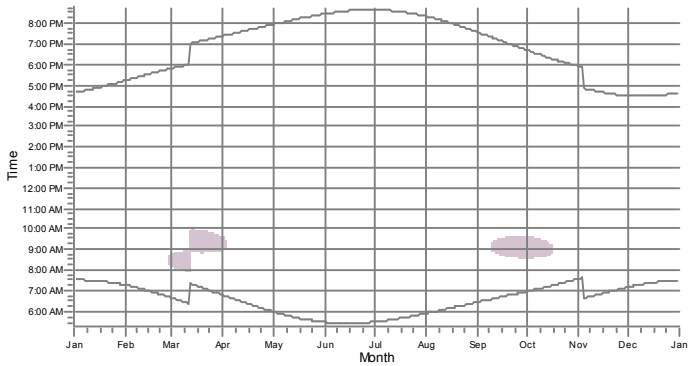
138: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3397)



139: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3398)



141: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3399)



WTGs

29: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (312)
30: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (313)
31: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (314)

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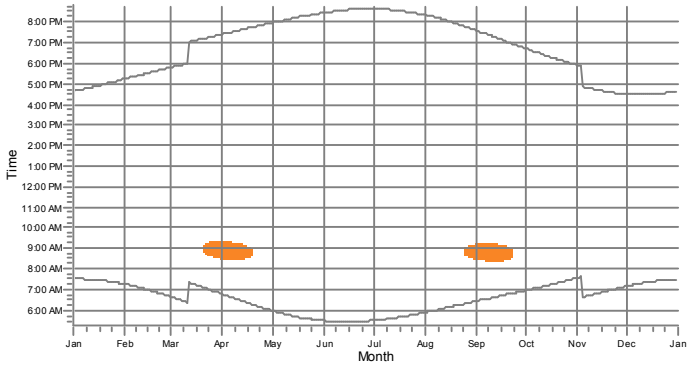
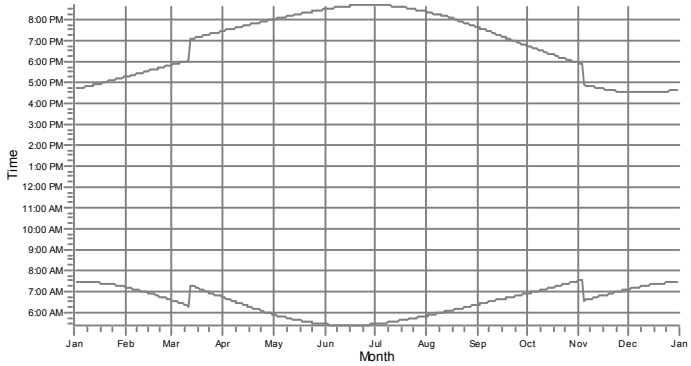
SHADOW - Calendar, graphical

Calculation: Points & Grid

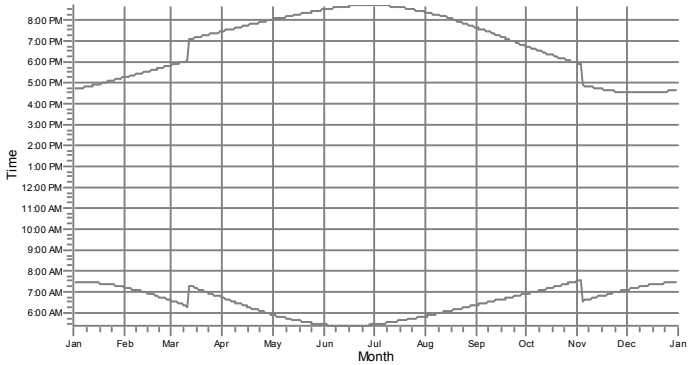
144: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3400)



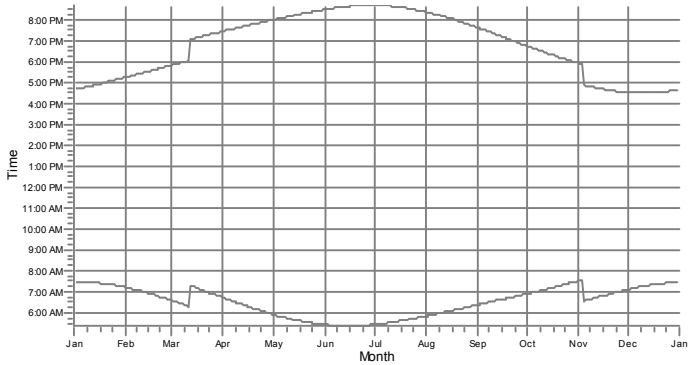
147: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3401)



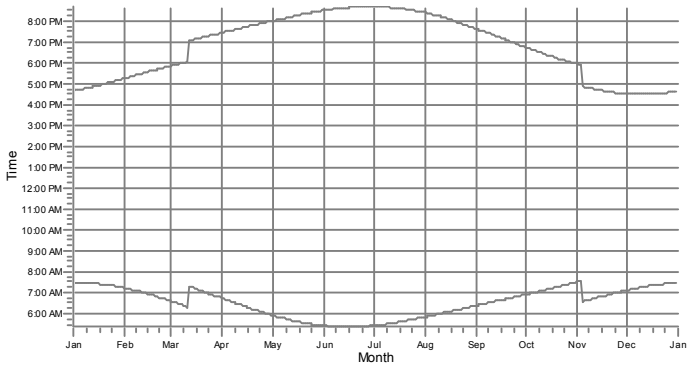
148: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3402)



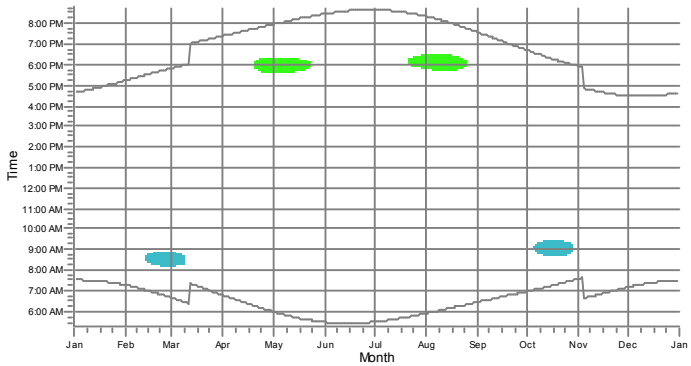
149: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3403)



150: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3404)



151: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3405)



WTGs

24: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (307)
25: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (308)
29: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (312)

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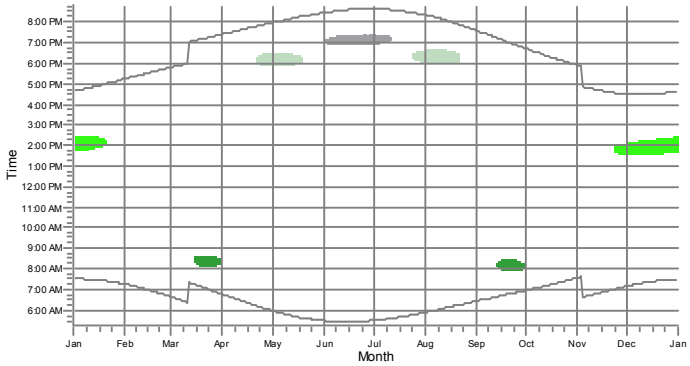
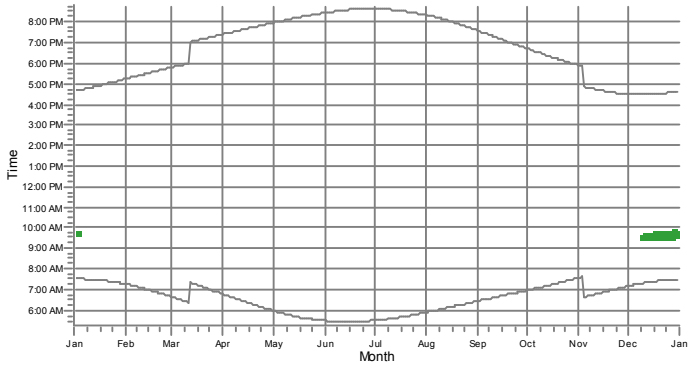
SHADOW - Calendar, graphical

Calculation: Points & Grid

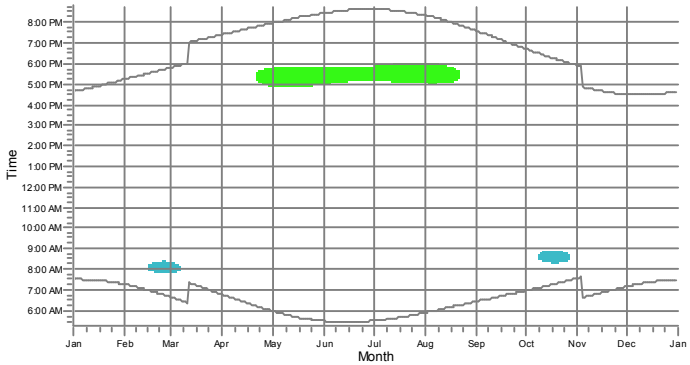
152: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3406)



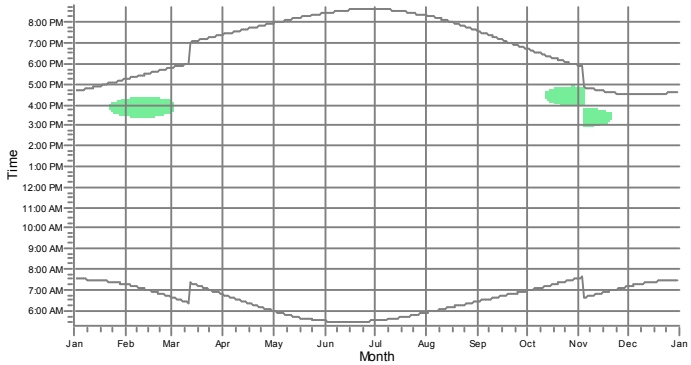
153: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3407)



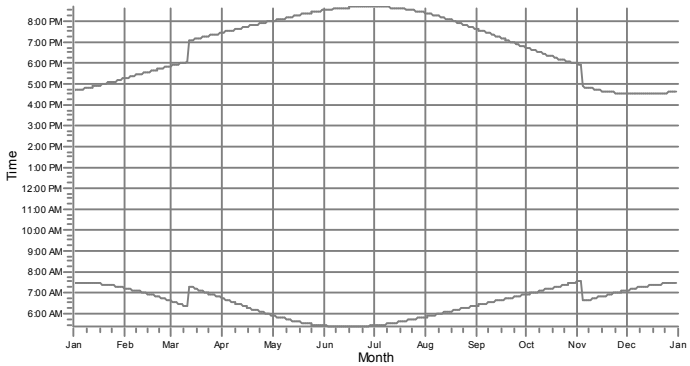
154: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3408)



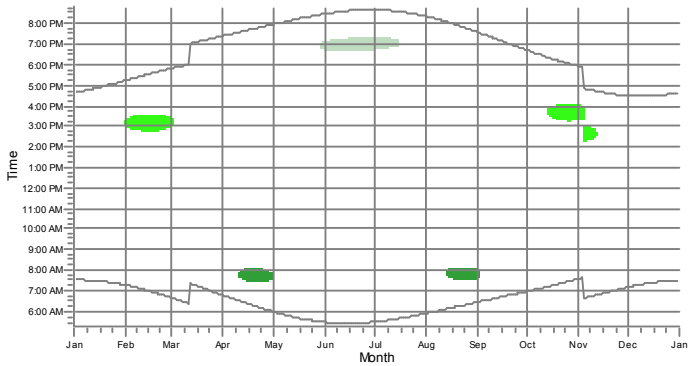
155: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3409)



156: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3410)



157: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3411)



WTGs

20: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (303)
22: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (305)
24: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (307)
25: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (308)
26: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (309)
32: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (315)

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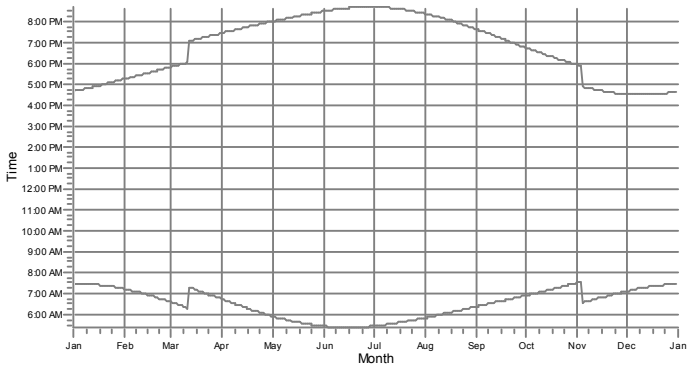
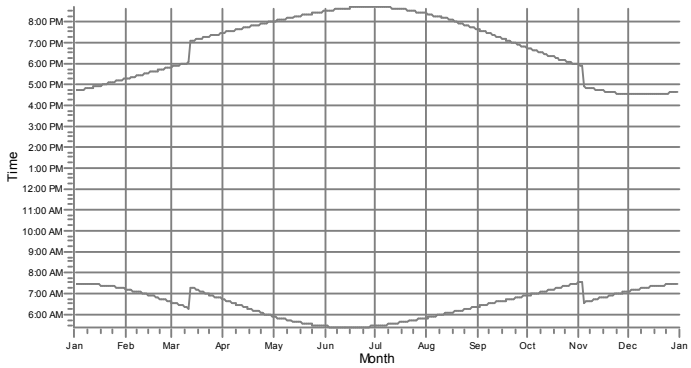
SHADOW - Calendar, graphical

Calculation: Points & Grid

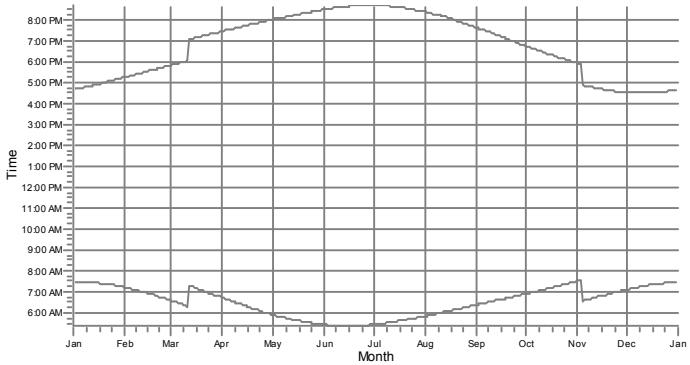
158: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3412)



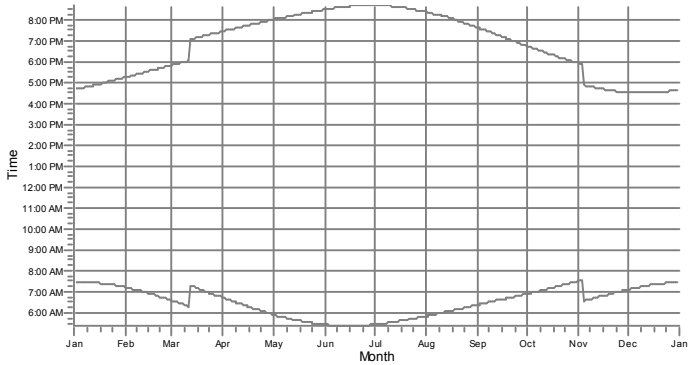
159: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3413)



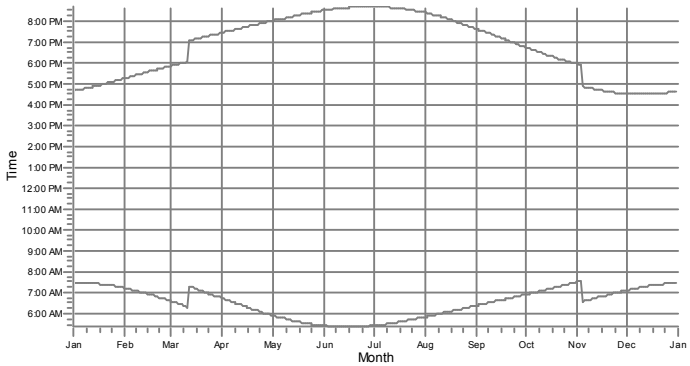
160: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3414)



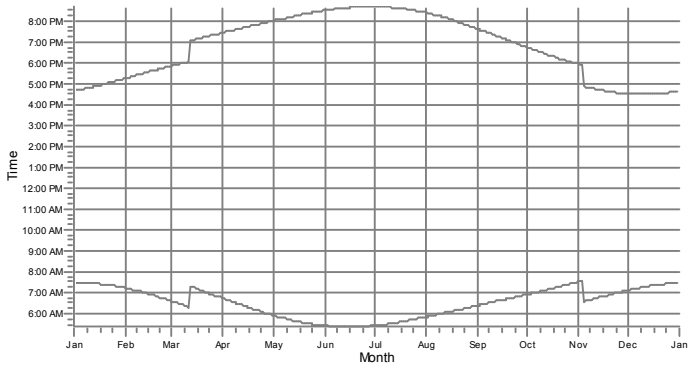
161: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3415)



162: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3416)



163: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3417)



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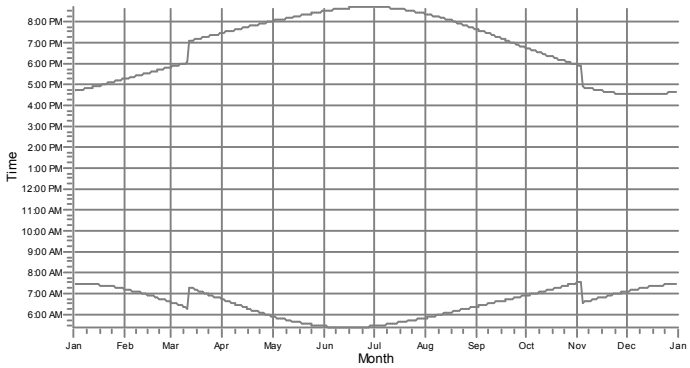
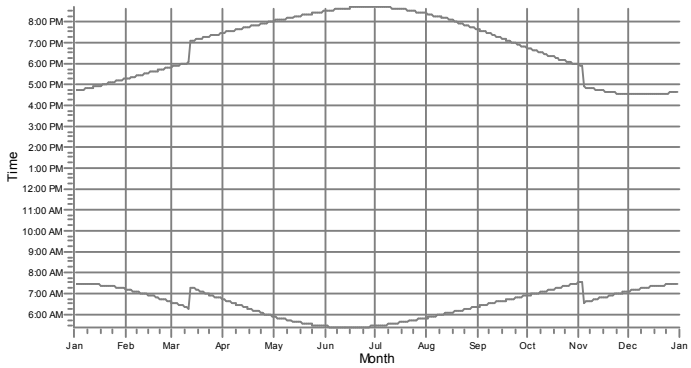
SHADOW - Calendar, graphical

Calculation: Points & Grid

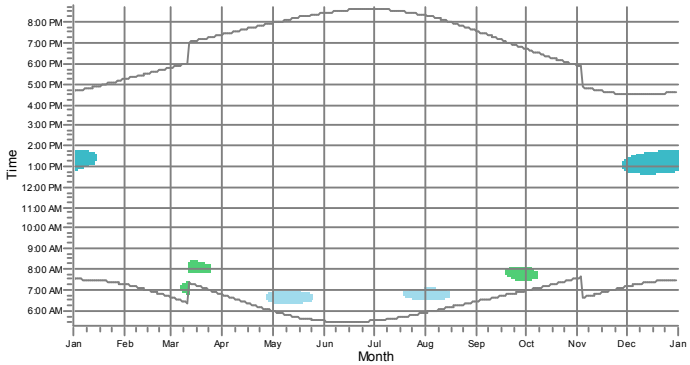
164: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3418)



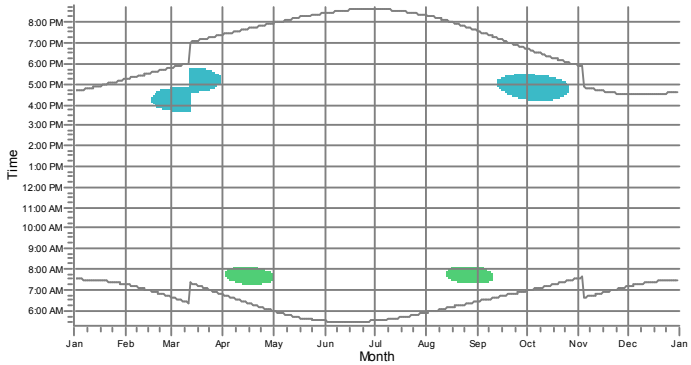
165: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3419)



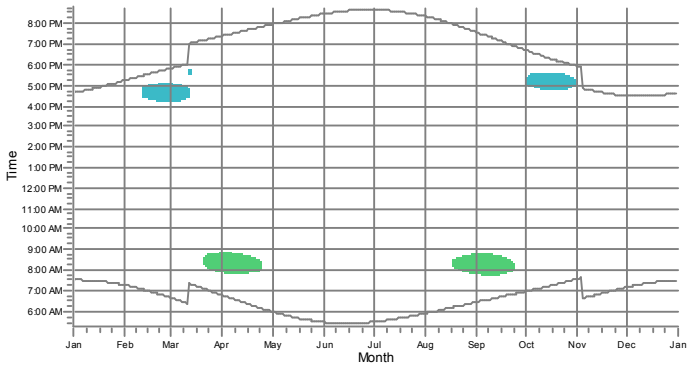
166: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3420)



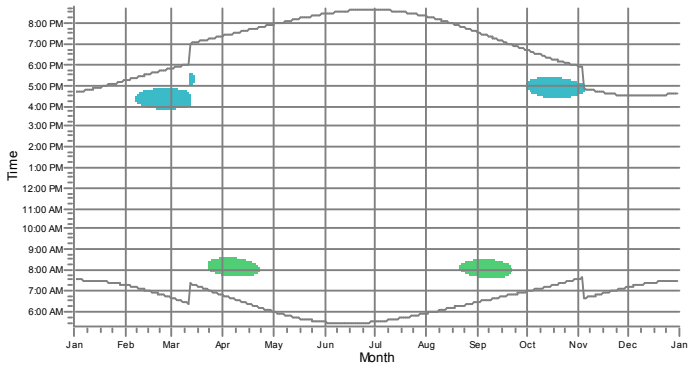
167: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3421)



168: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3422)



169: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3423)



WTGs

25: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (308)
34: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (317)
40: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (322)

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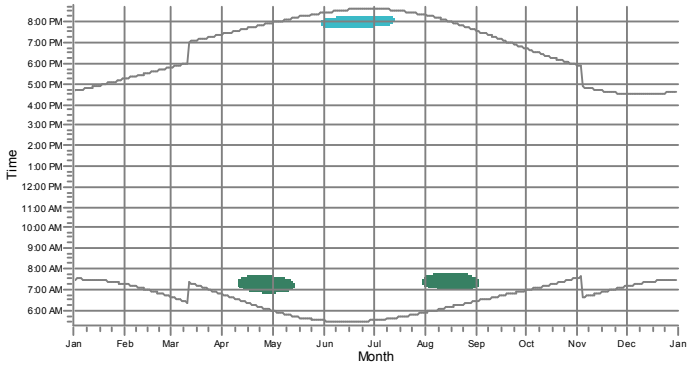
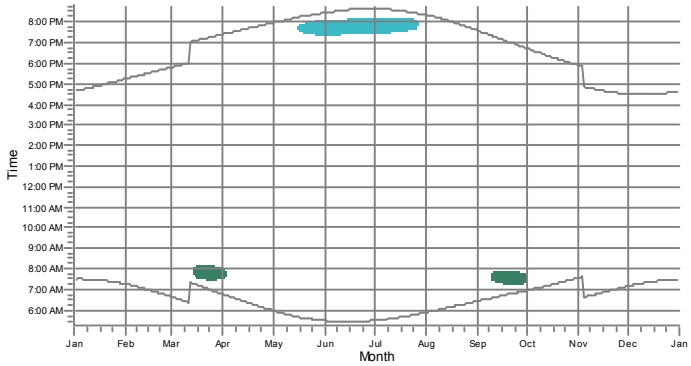
SHADOW - Calendar, graphical

Calculation: Points & Grid

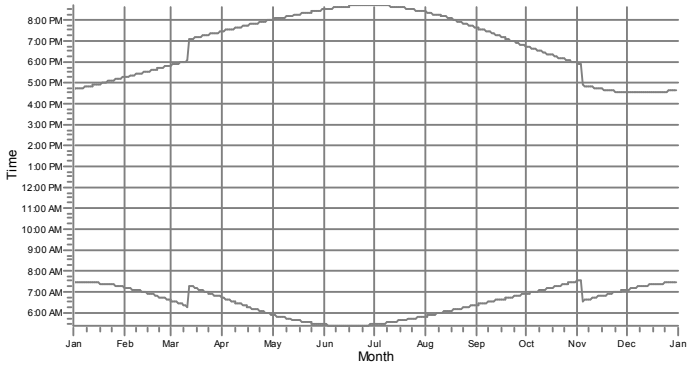
170: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3424)



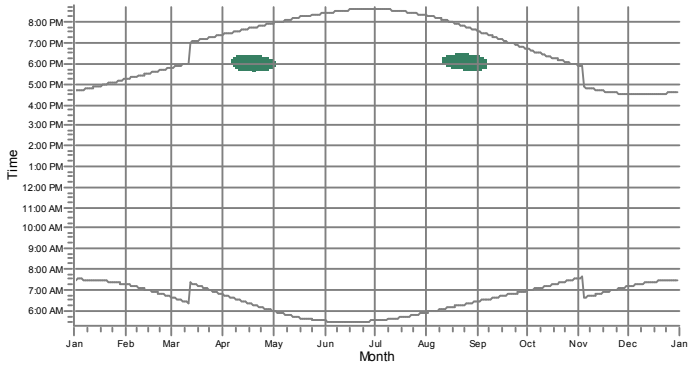
171: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3425)



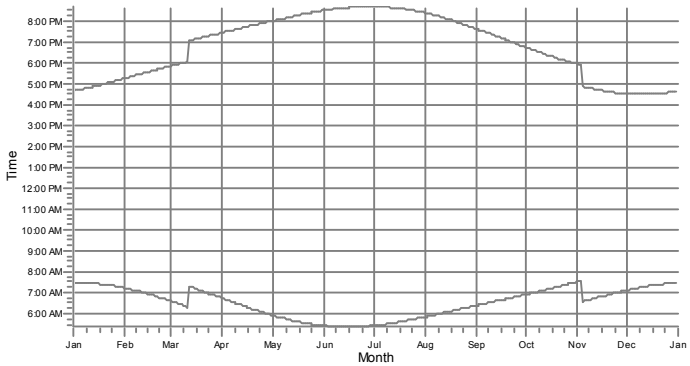
172: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3426)



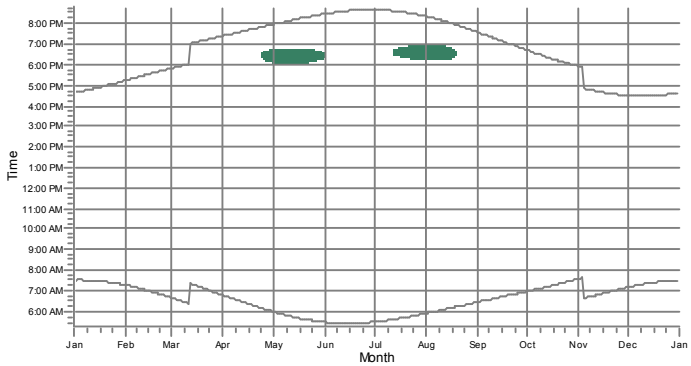
173: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3427)



174: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3428)



175: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3429)



WTGs

25: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (308)

35: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (318)

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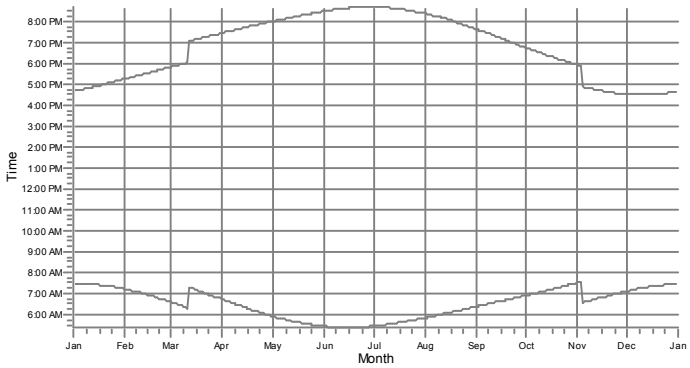
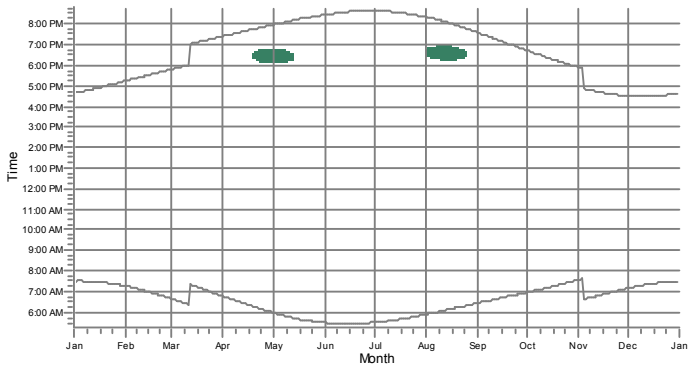
SHADOW - Calendar, graphical

Calculation: Points & Grid

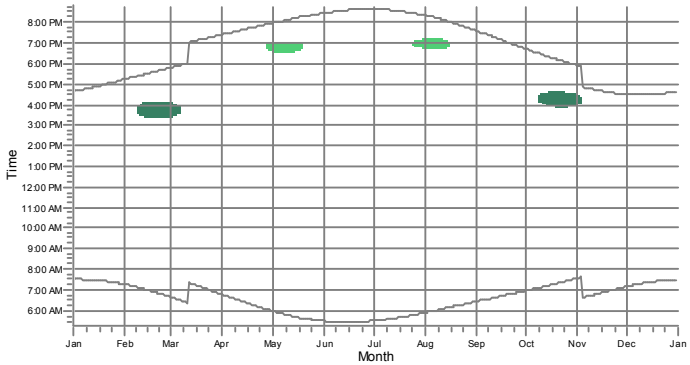
176: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3430)



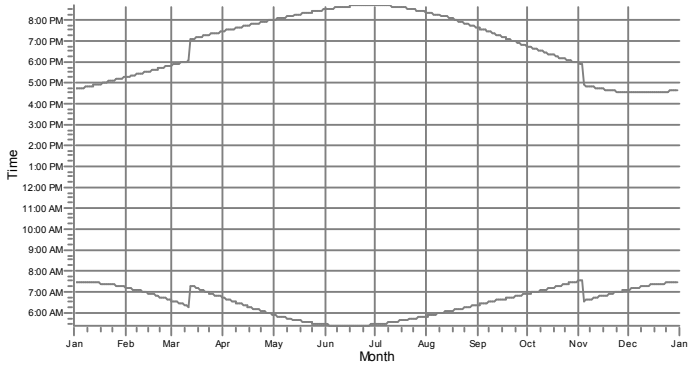
177: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3431)



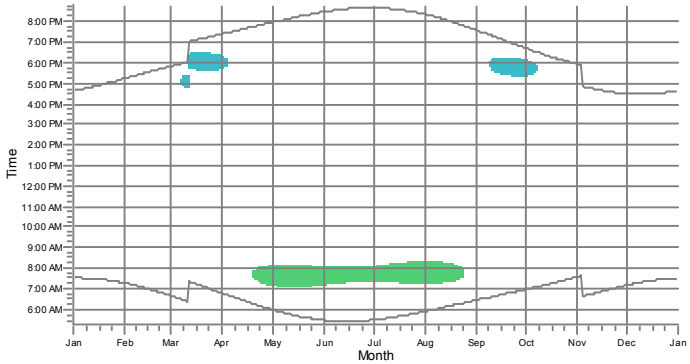
178: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3432)



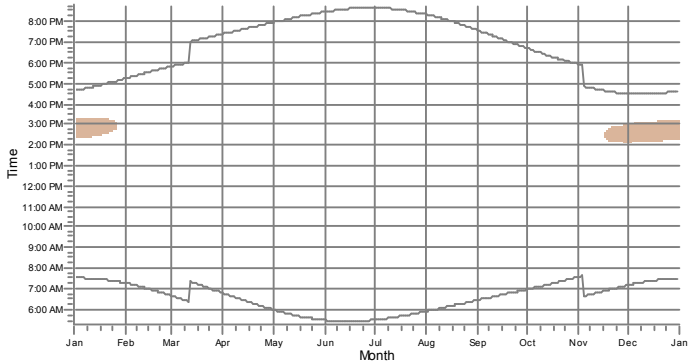
179: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3433)



180: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3434)



181: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3435)



WTGs

23: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (306)
25: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (308)
34: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (317)
35: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (318)

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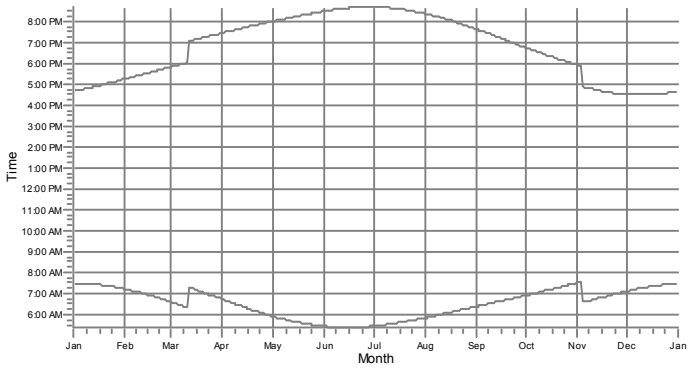
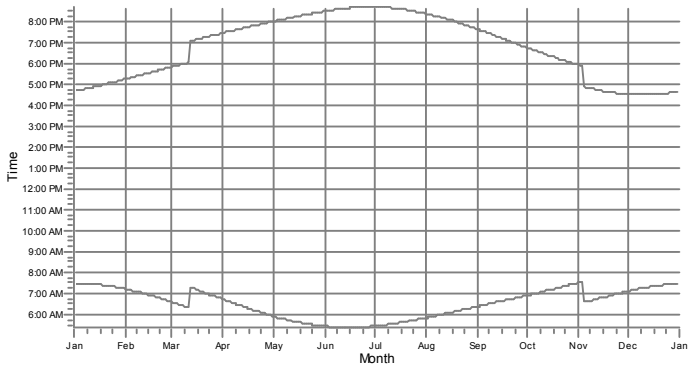
SHADOW - Calendar, graphical

Calculation: Points & Grid

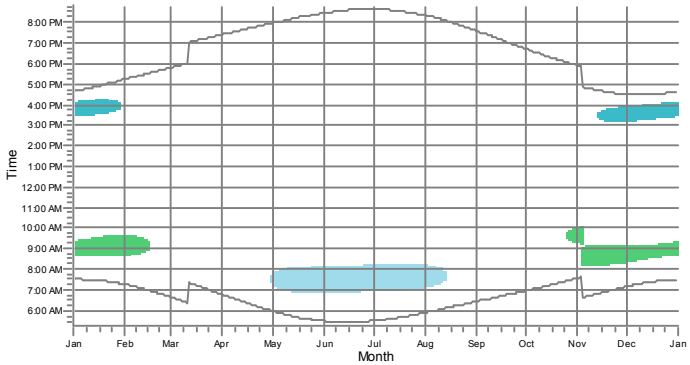
182: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3436)



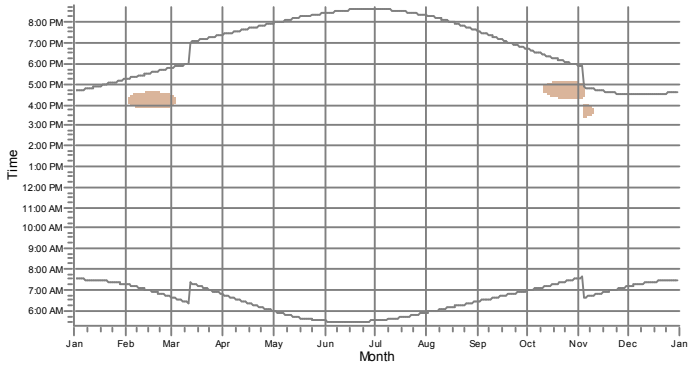
183: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3437)



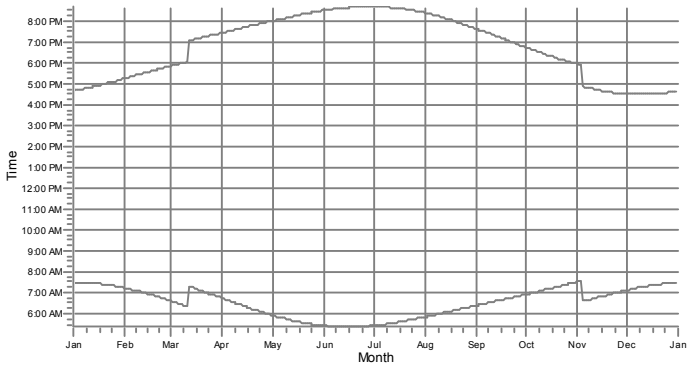
184: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3438)



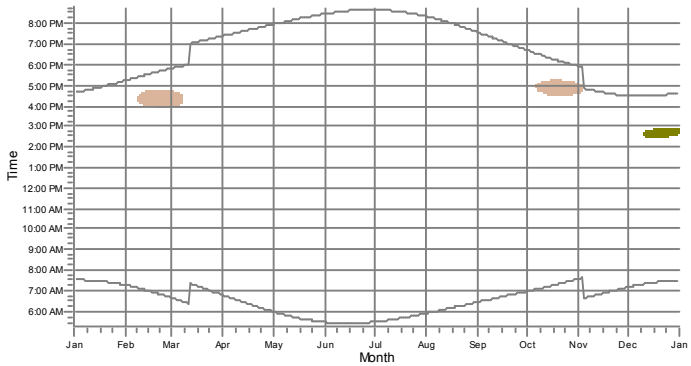
185: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3439)



186: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3440)



187: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3441)



WTGs

14: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (299)
25: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (308)
40: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (322)
23: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (306)
34: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (317)

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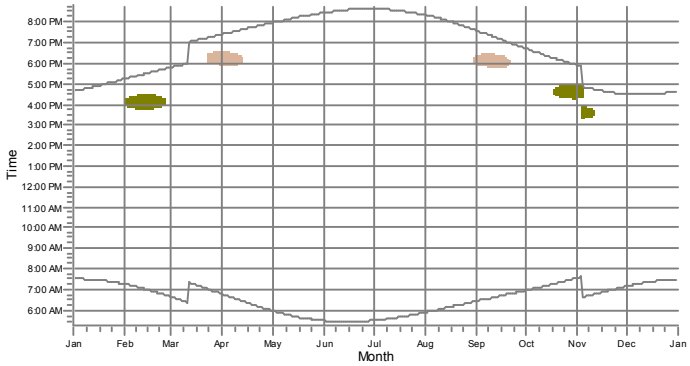
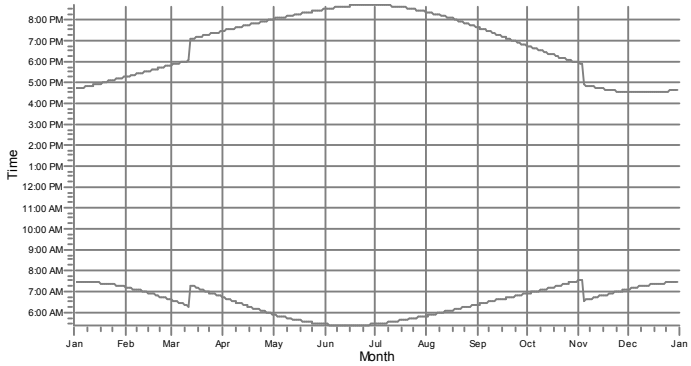
SHADOW - Calendar, graphical

Calculation: Points & Grid

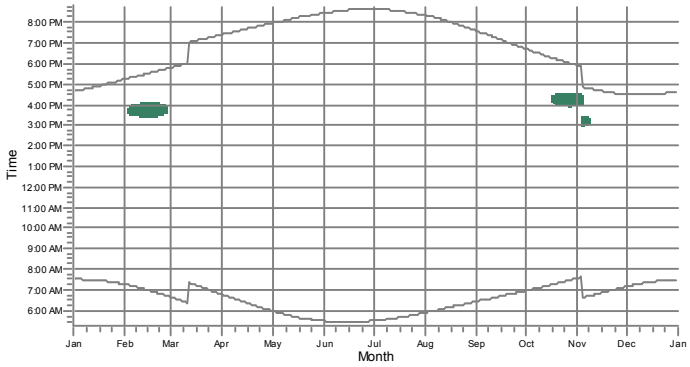
188: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3442)



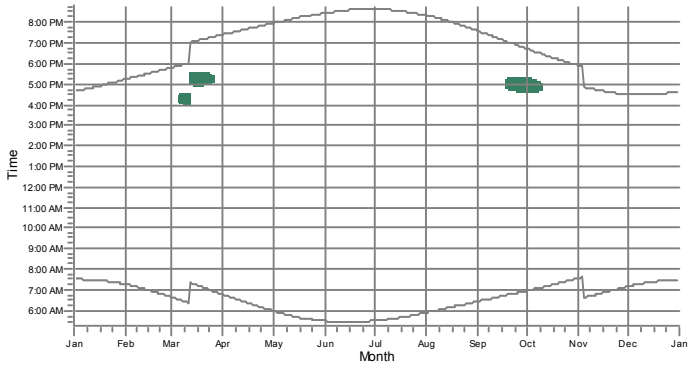
189: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3443)



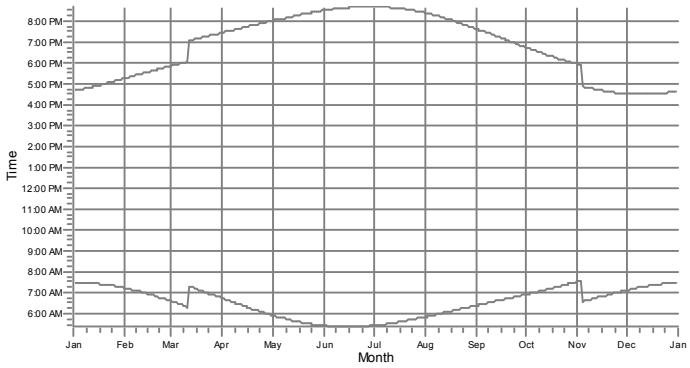
190: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3444)



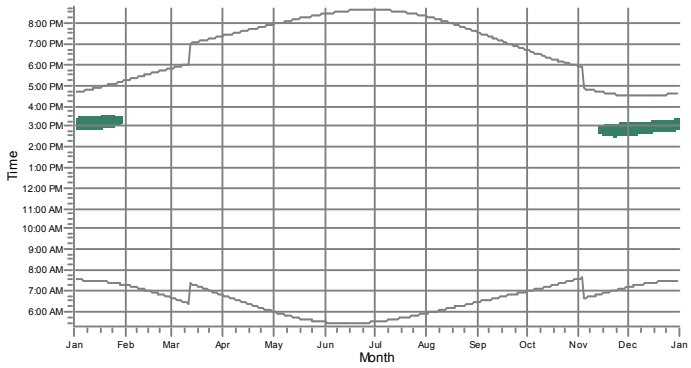
191: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3445)



192: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3446)



193: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3447)



WTGs

14: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (299)
23: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (306)
35: VESTAS V150-4.2 4200 150.0 IO! hub: 130.0 m (TOT: 205.0 m) (318)

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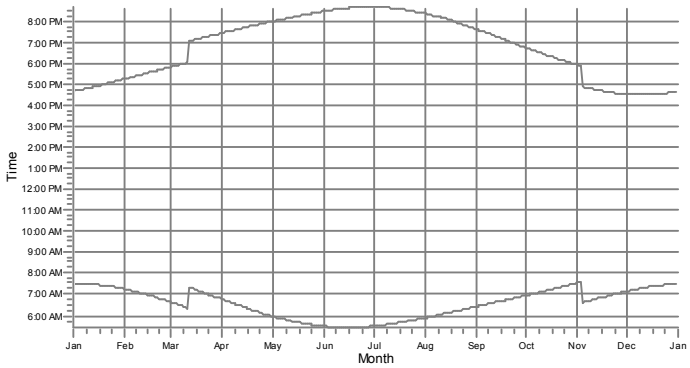
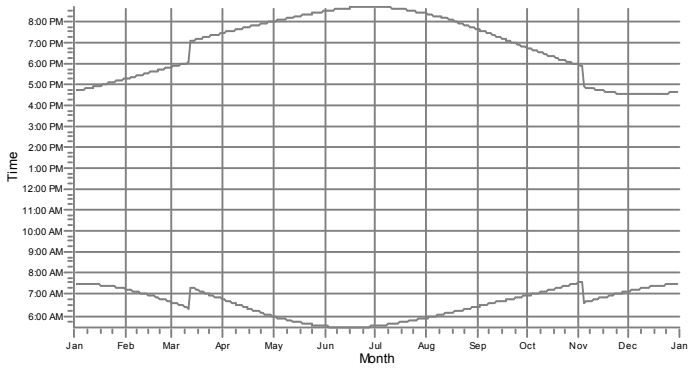
SHADOW - Calendar, graphical

Calculation: Points & Grid

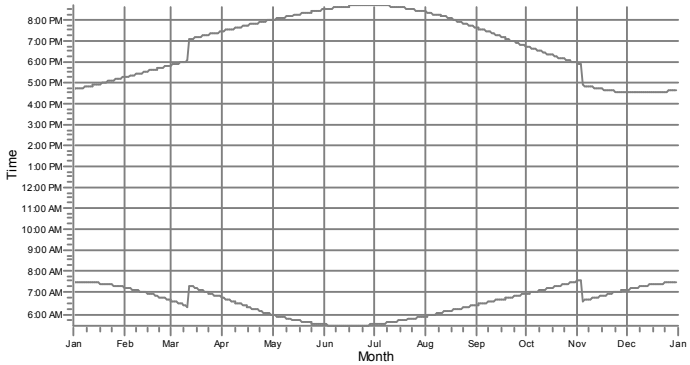
194: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3448)



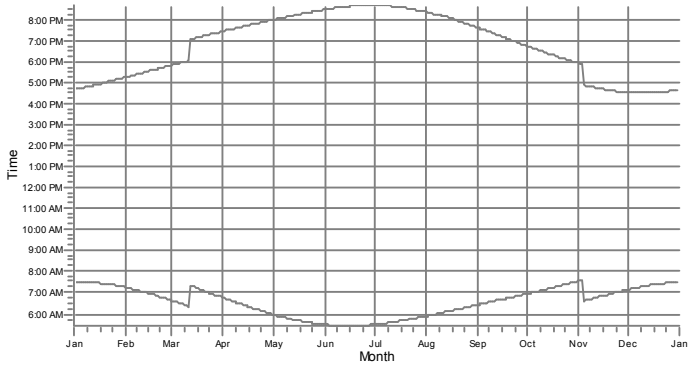
195: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3449)



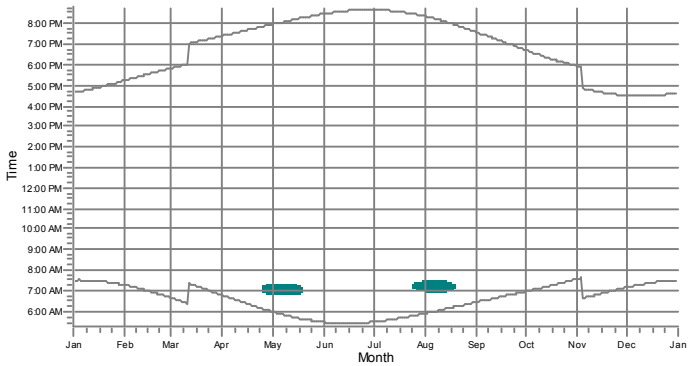
196: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3450)



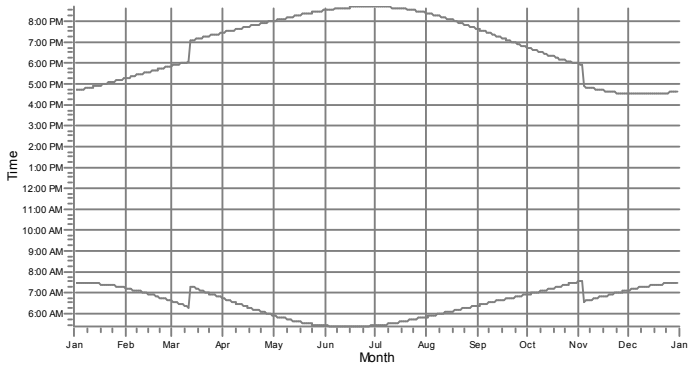
197: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3451)



198: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3452)



199: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3453)



WTGs

7: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (295)

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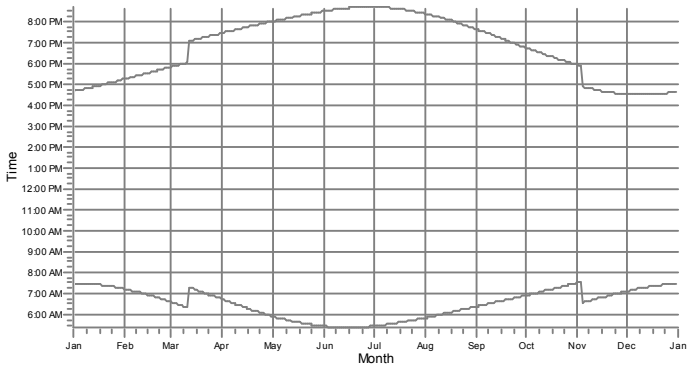
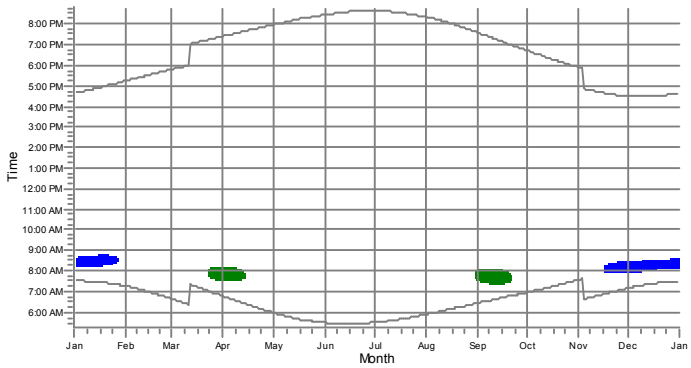
SHADOW - Calendar, graphical

Calculation: Points & Grid

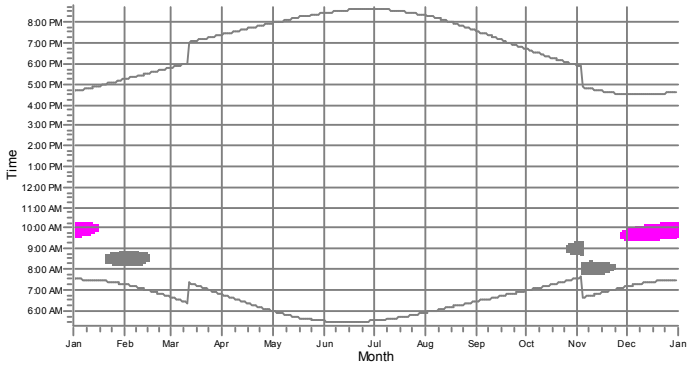
200: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3454)



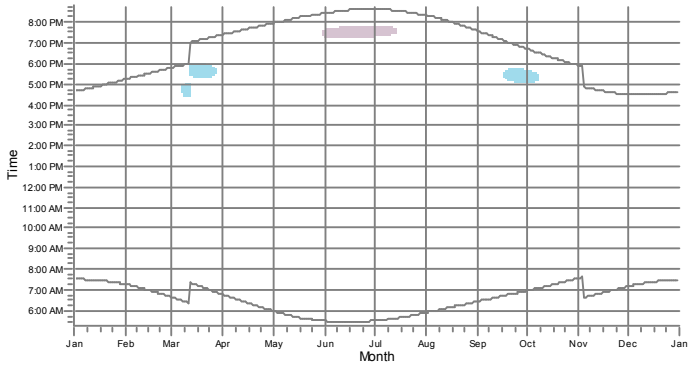
201: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3455)



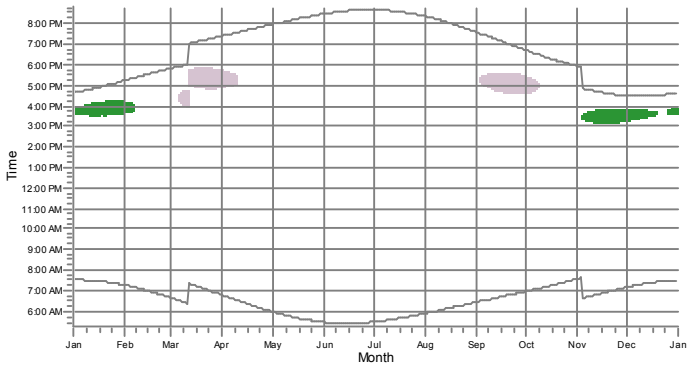
202: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3456)



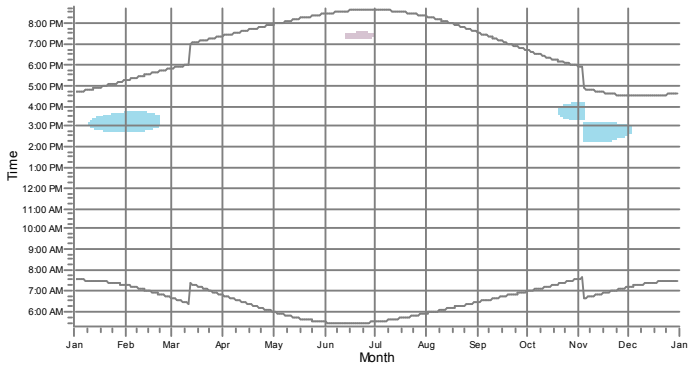
203: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3457)



204: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3458)



205: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3459)



WTGs

- 1: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (290)
- 4: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (292)
- 5: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (293)
- 6: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (294)
- 31: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (314)
- 33: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (316)
- 40: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (322)

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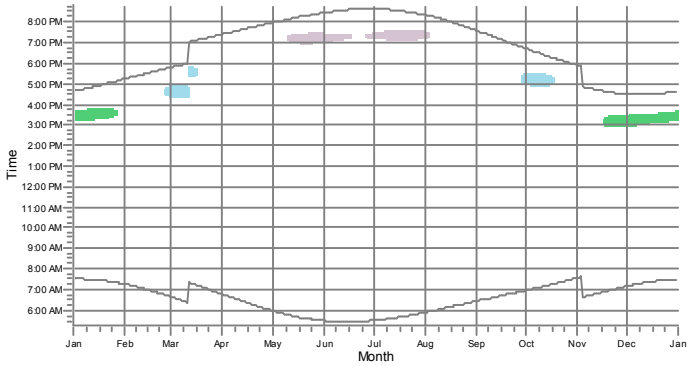
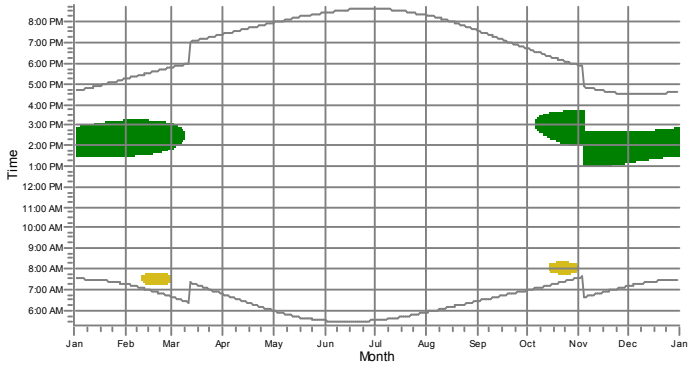
SHADOW - Calendar, graphical

Calculation: Points & Grid

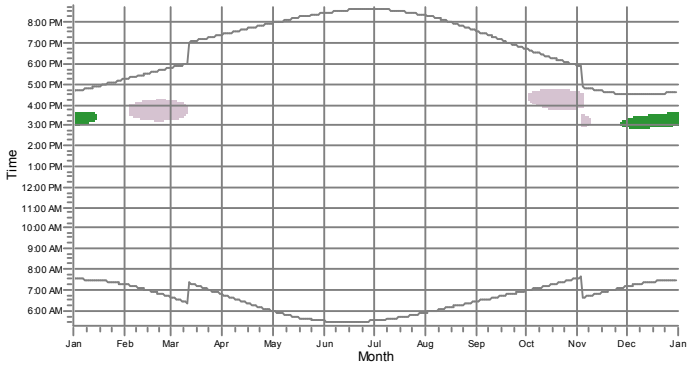
206: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3460)



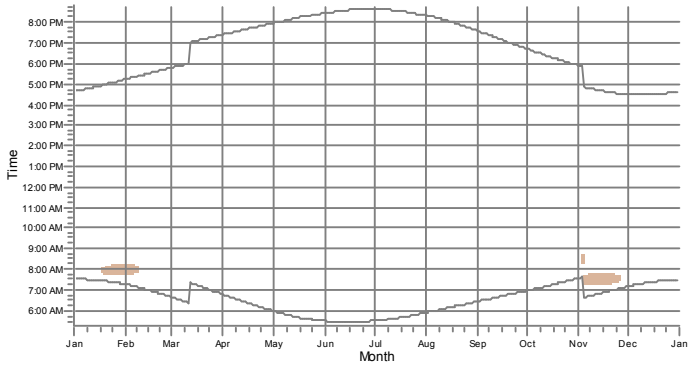
207: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3461)



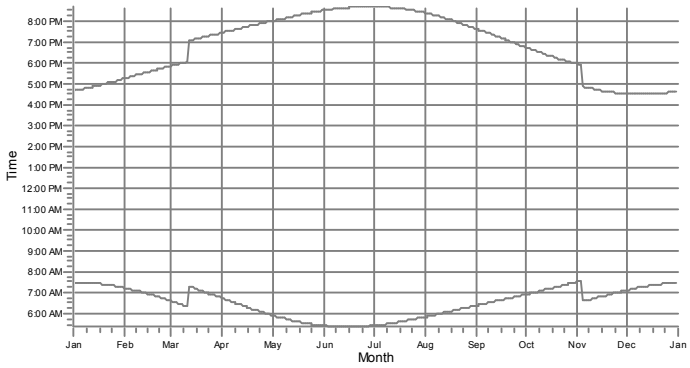
208: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3462)



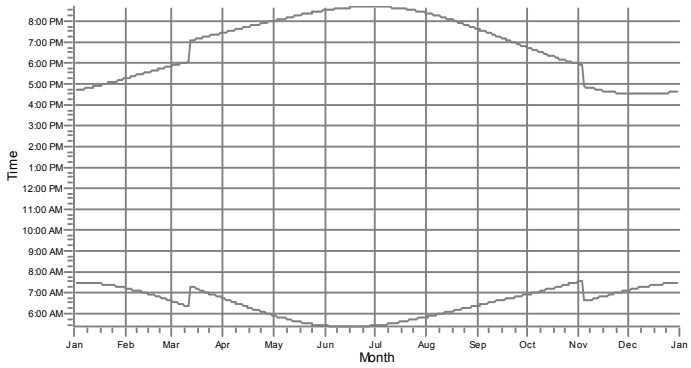
209: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3463)



210: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3464)



211: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3465)



WTGs

- 1: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (290)
- 23: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (306)
- 31: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (314)
- 33: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (316)
- 34: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (317)
- 36: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (319)
- 40: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (322)

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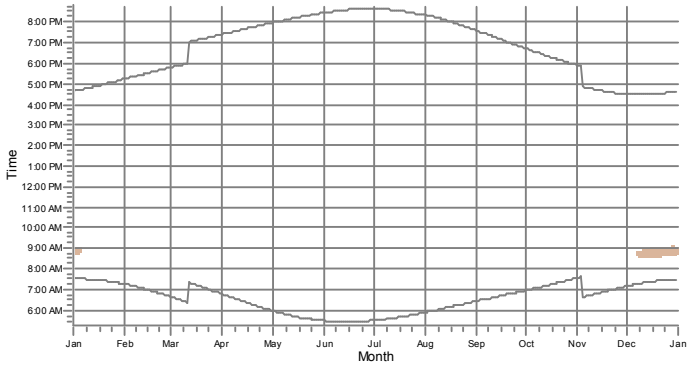
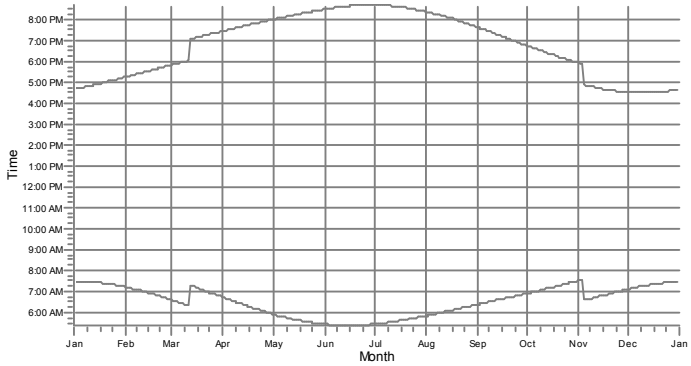
Calculation: Points & Grid

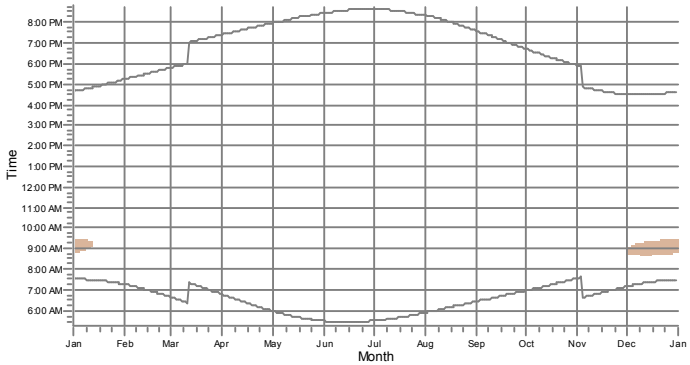
212: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3466)



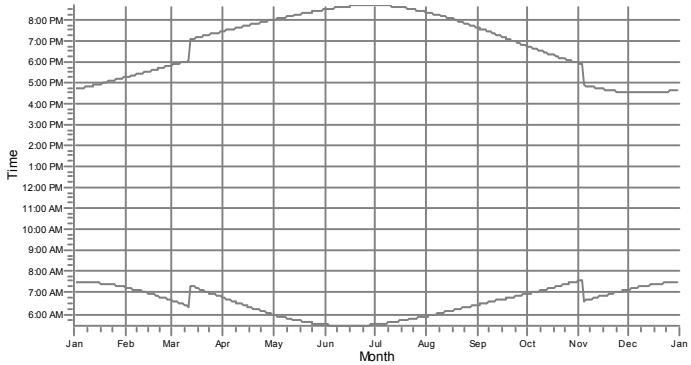
213: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3467)



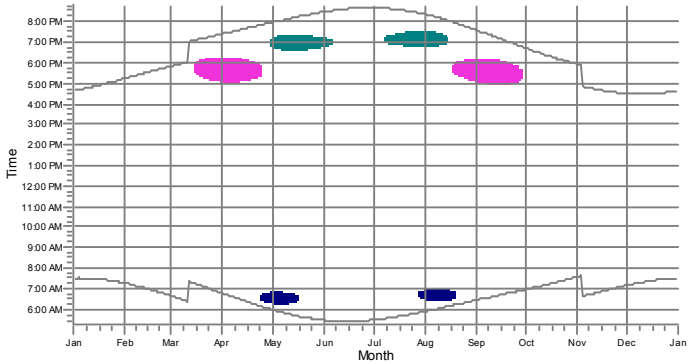
214: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3468)



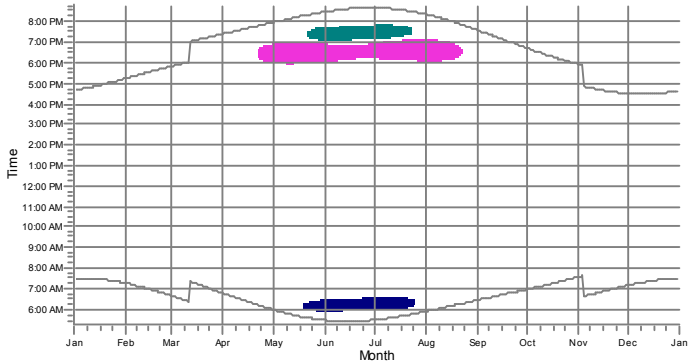
215: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3469)



216: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3470)



217: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3471)



WTGs

- 7: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (295)
- 10: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (296)
- 23: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (306)
- 37: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (320)

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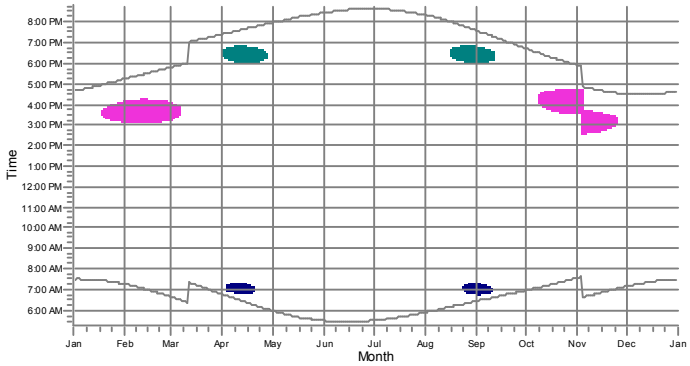
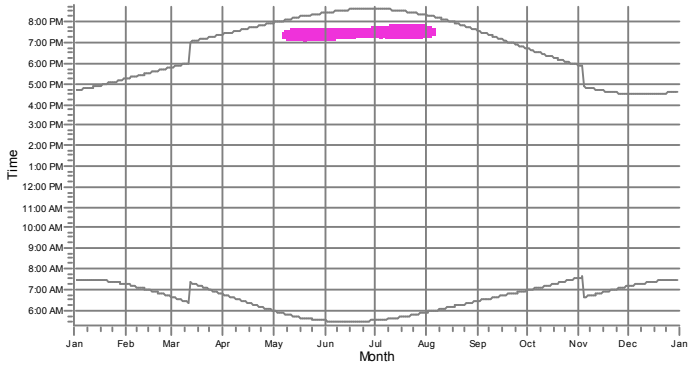
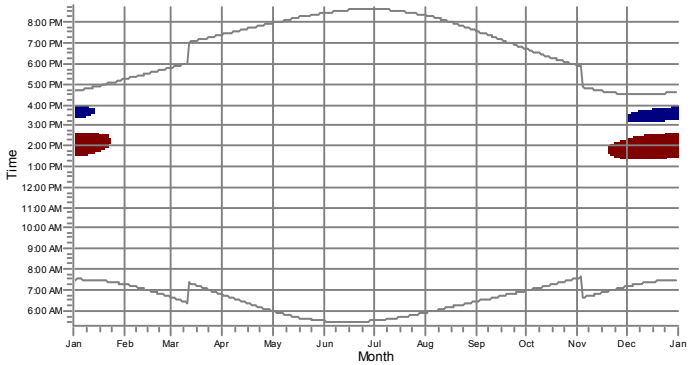
218: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3472)



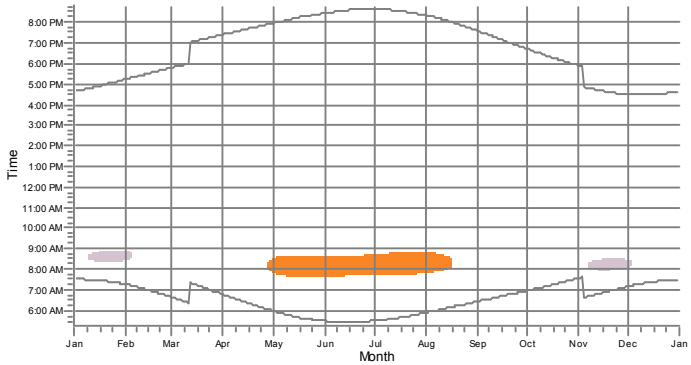
219: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3473)



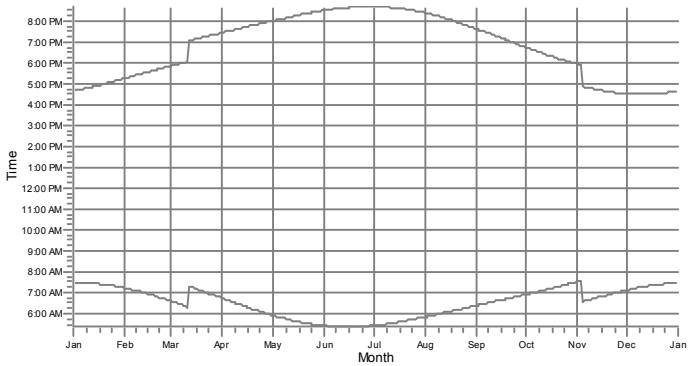
220: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3474)



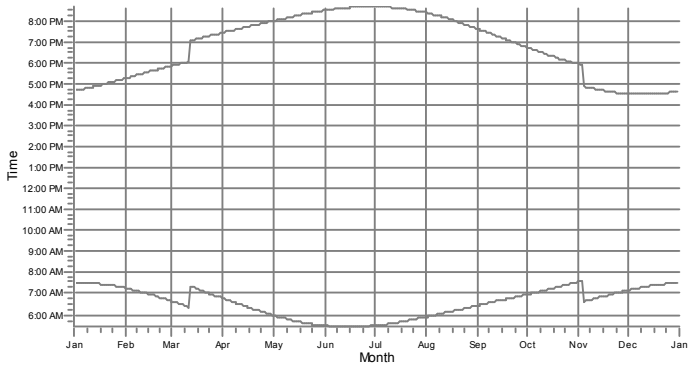
221: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3475)



222: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3476)



223: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3477)



WTGs

- 7: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (295)
- 10: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (296)
- 11: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (297)
- 29: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (312)
- 31: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (314)
- 37: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (320)

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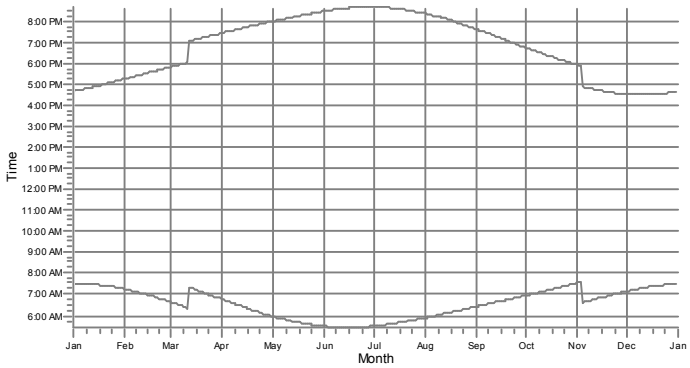
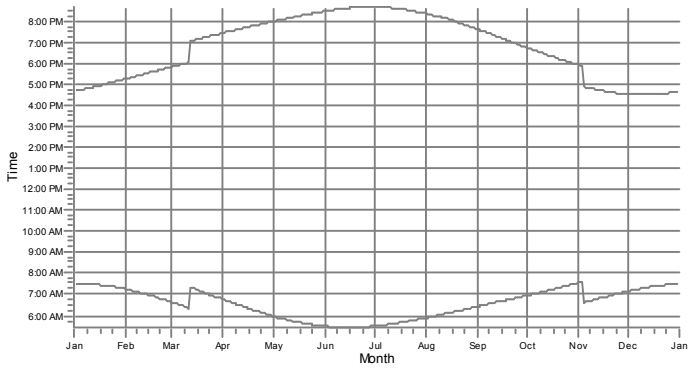
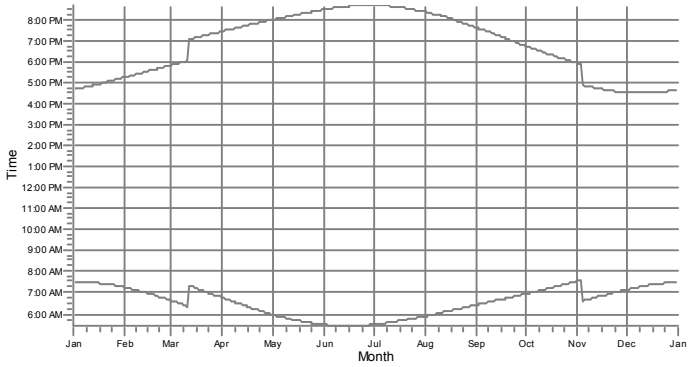
224: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3478)



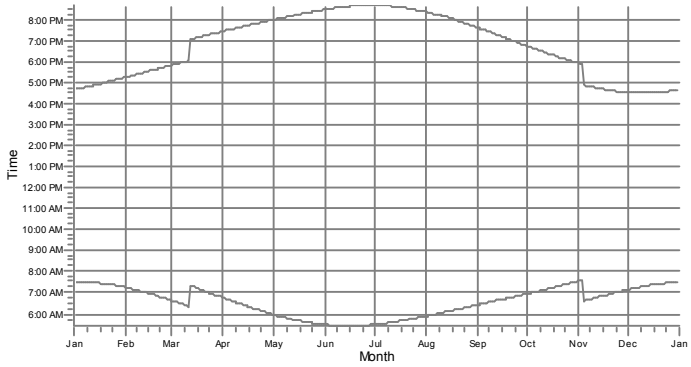
225: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3479)



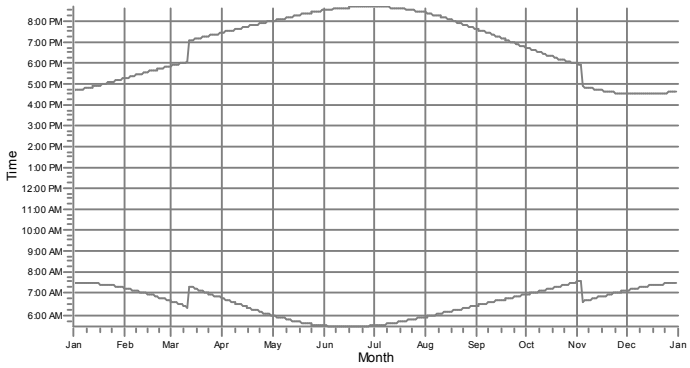
226: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3480)



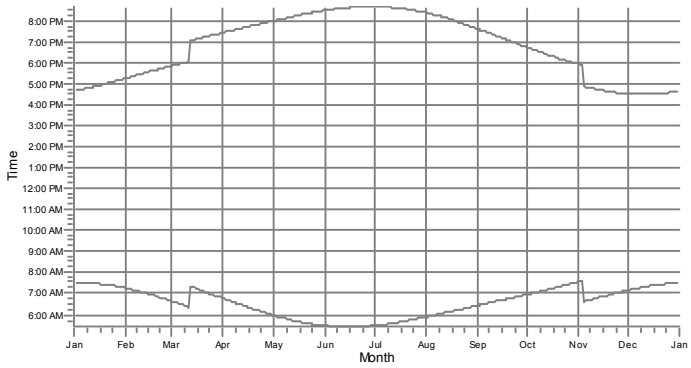
227: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3481)



228: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3482)



229: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3483)



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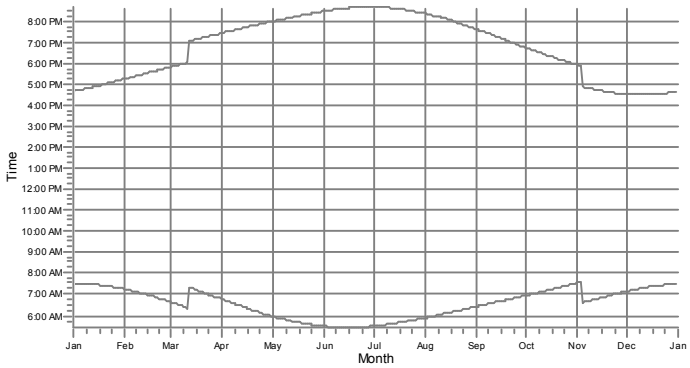
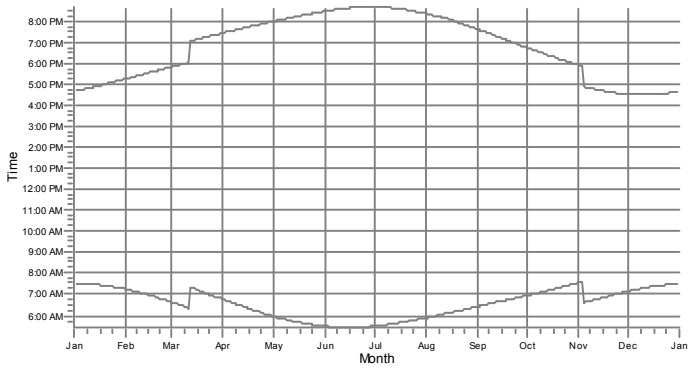
Calculation: Points & Grid

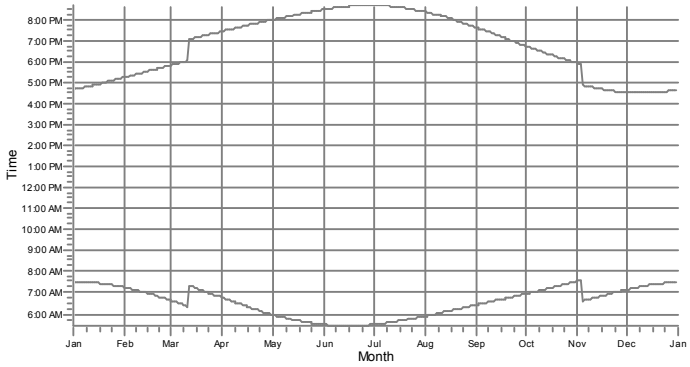
230: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3484)



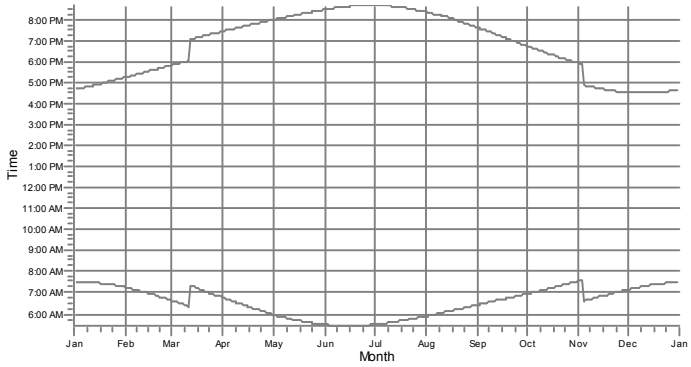
231: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3485)



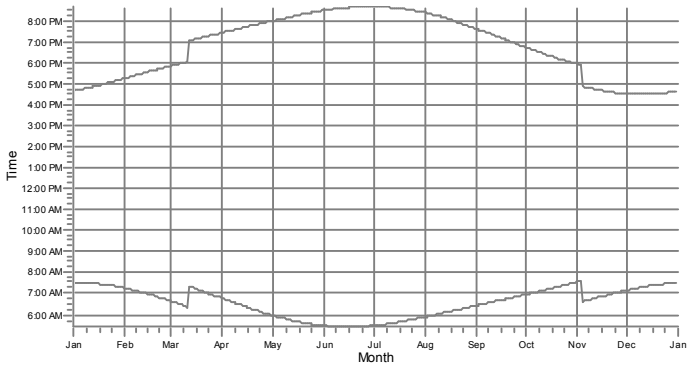
232: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3486)



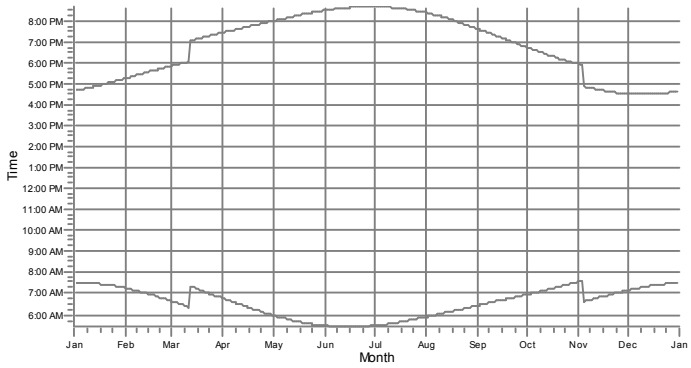
233: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3487)



234: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3488)



235: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3489)



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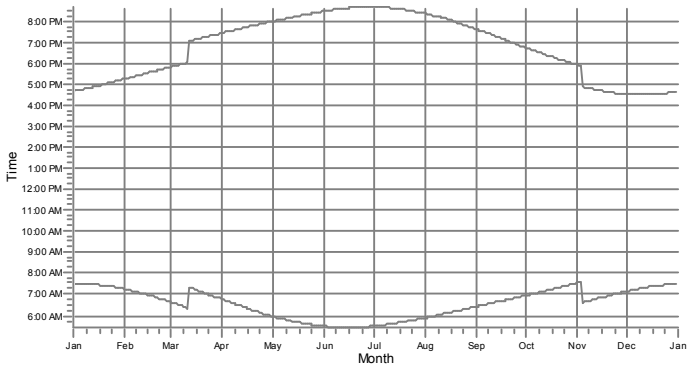
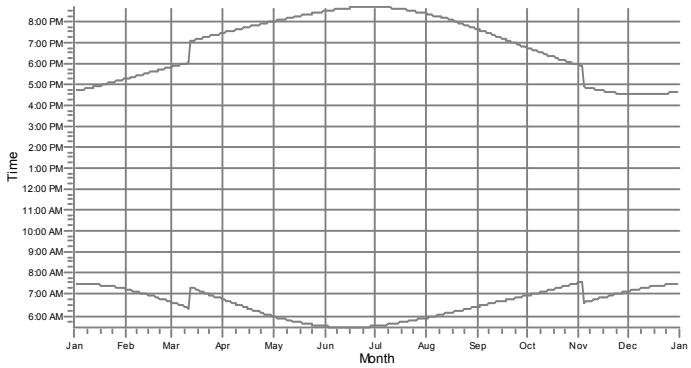
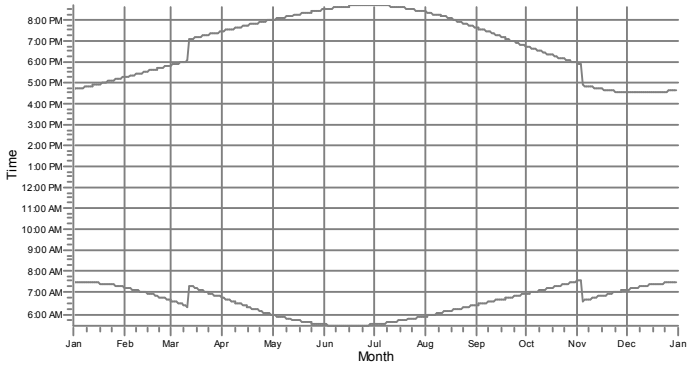
236: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3490)



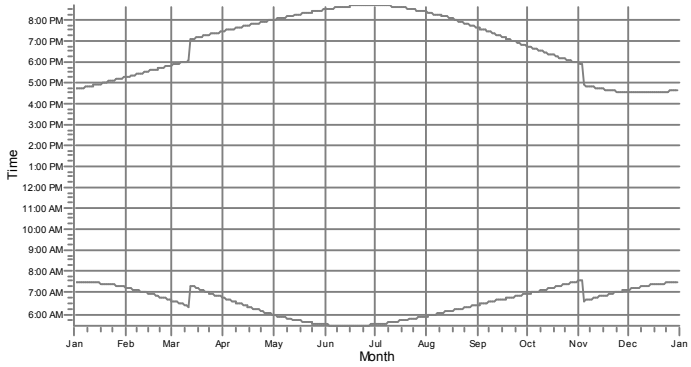
237: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3491)



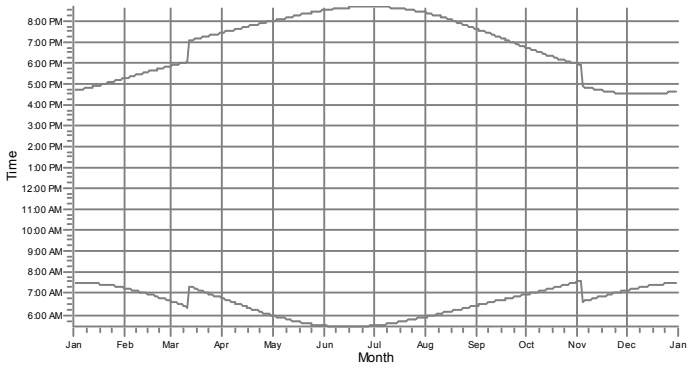
238: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3492)



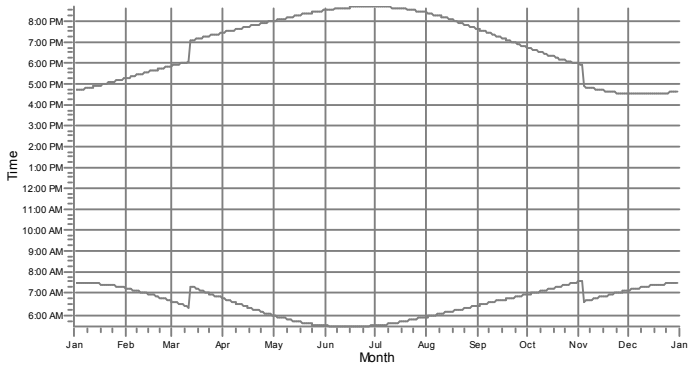
239: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3493)



240: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3494)



241: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3495)



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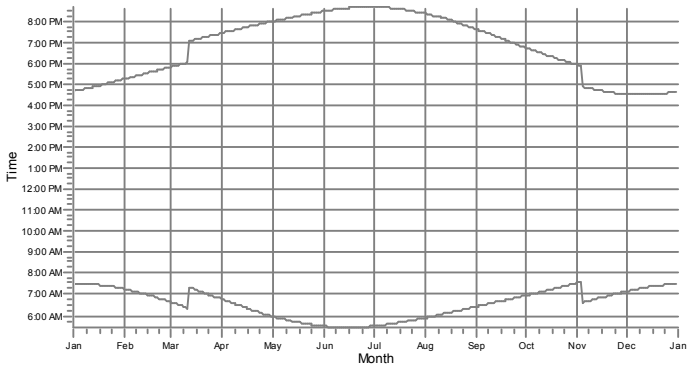
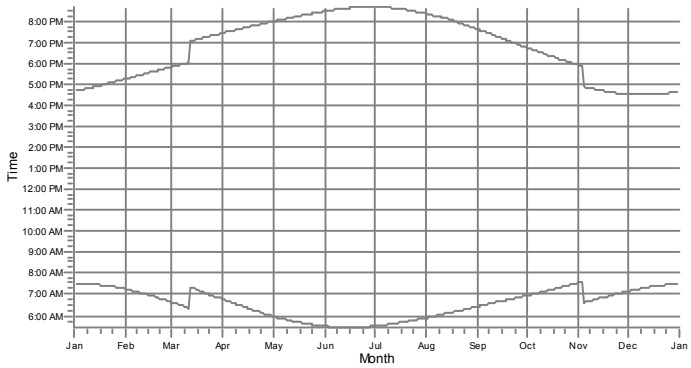
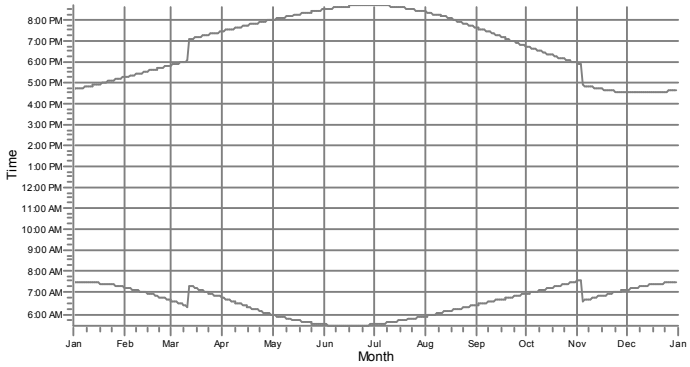
242: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3496)



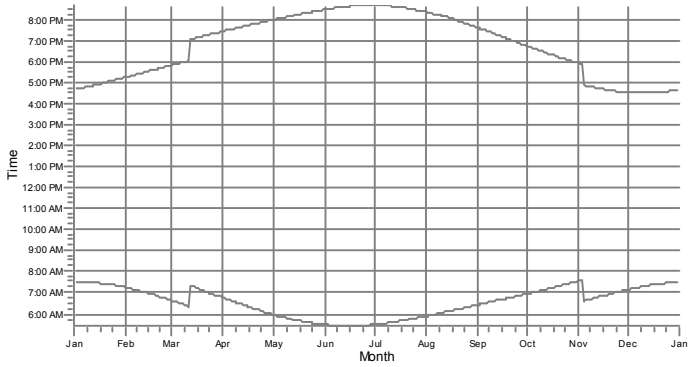
243: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3497)



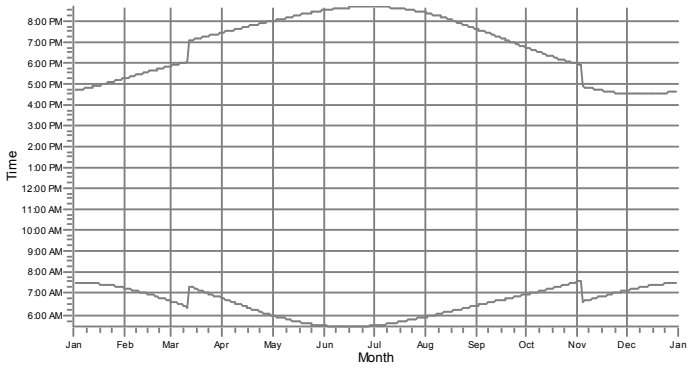
244: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3498)



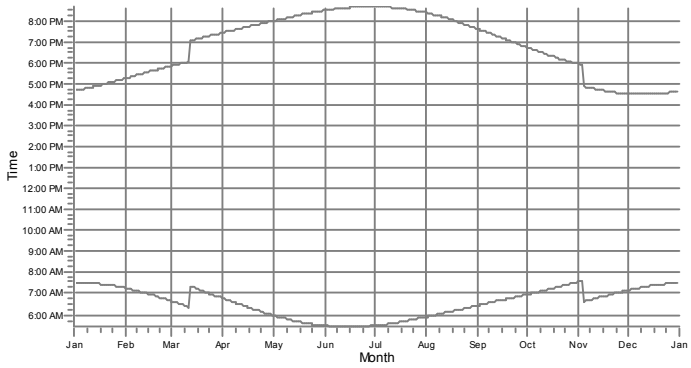
245: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3499)



246: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3500)



247: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3501)



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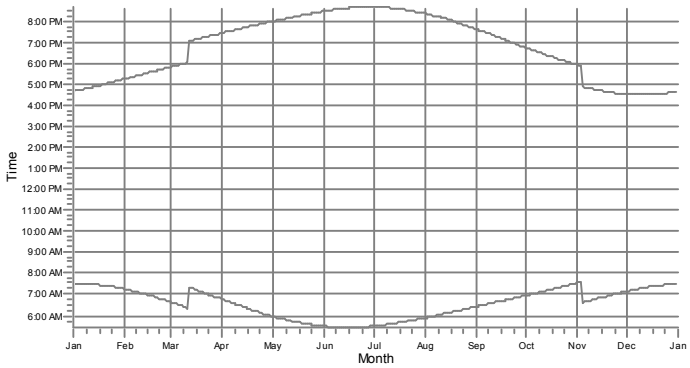
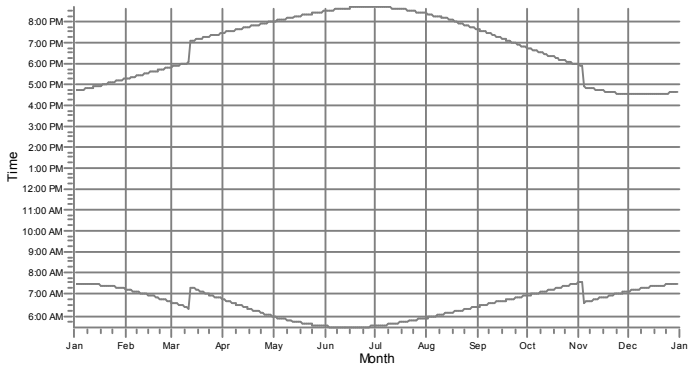
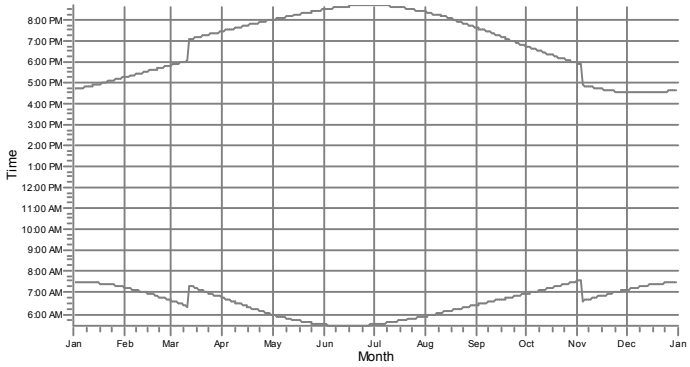
248: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3502)



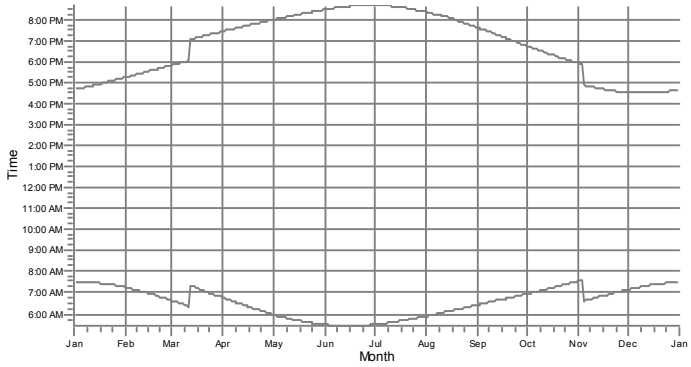
249: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3503)



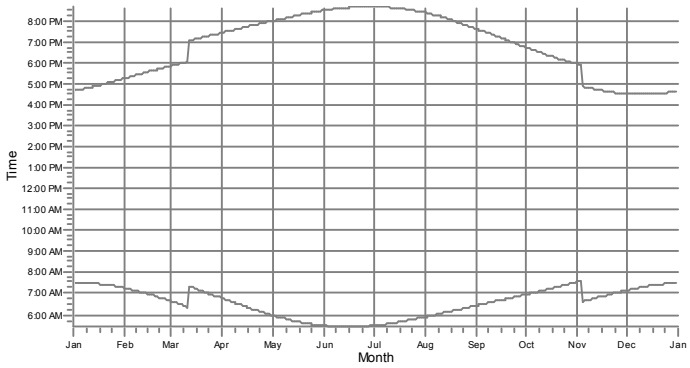
250: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3504)



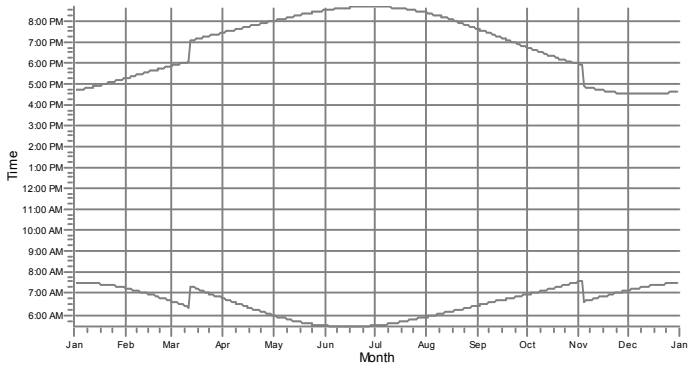
251: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3505)



252: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3506)



253: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3507)



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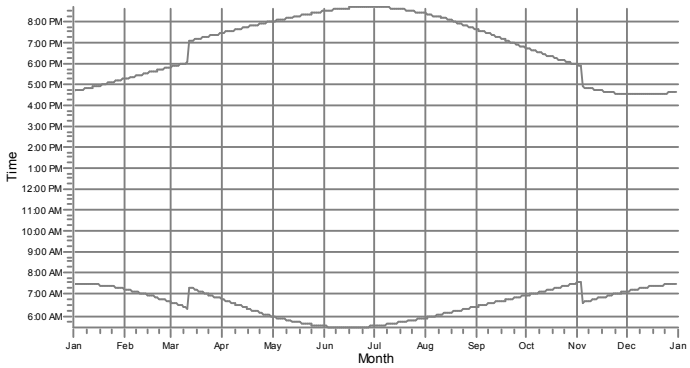
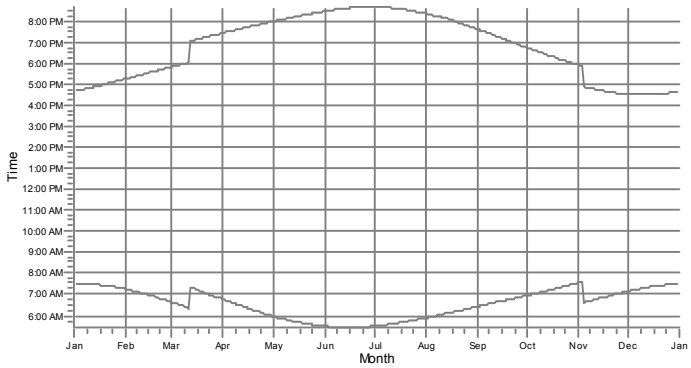
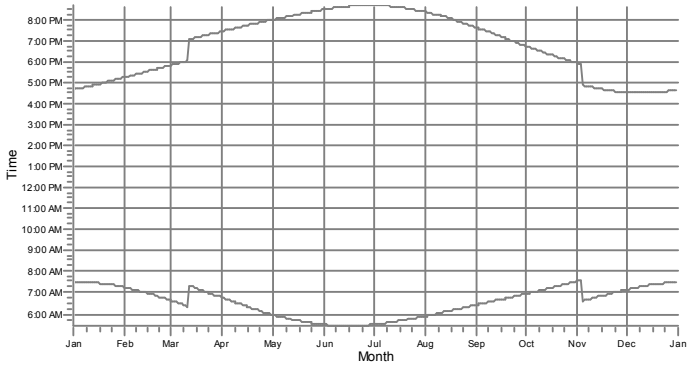
254: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3508)



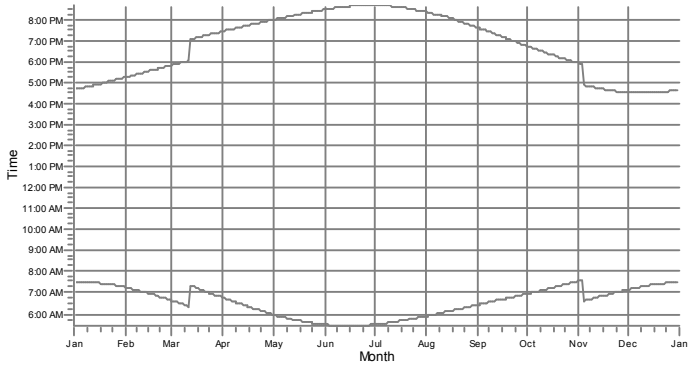
255: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3509)



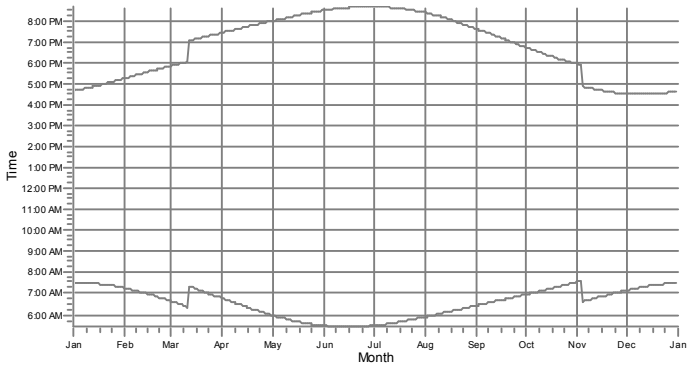
256: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3510)



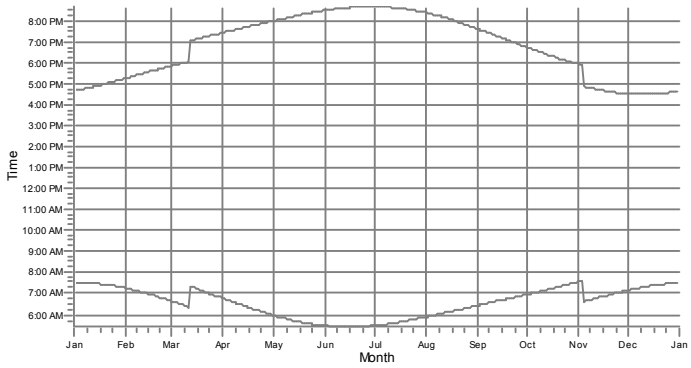
257: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3511)



258: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3512)



259: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3513)



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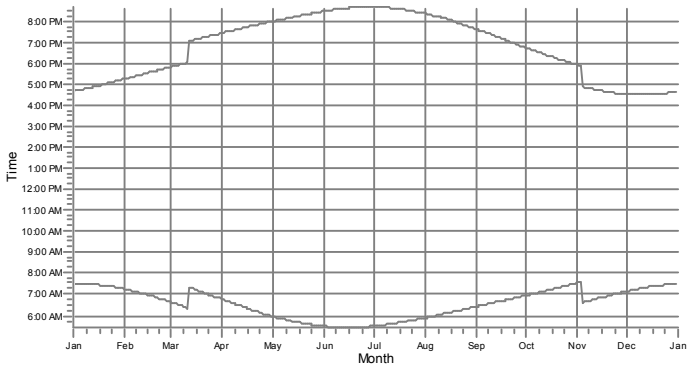
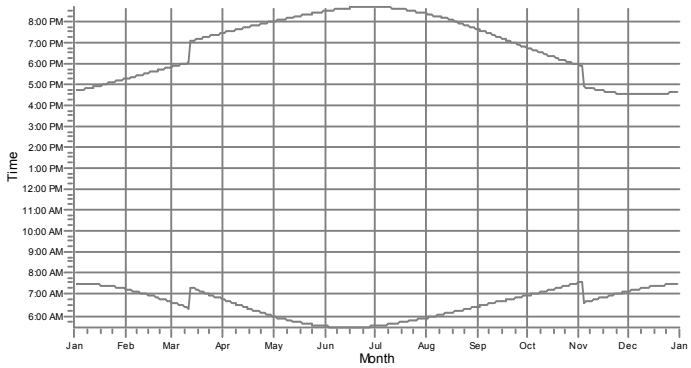
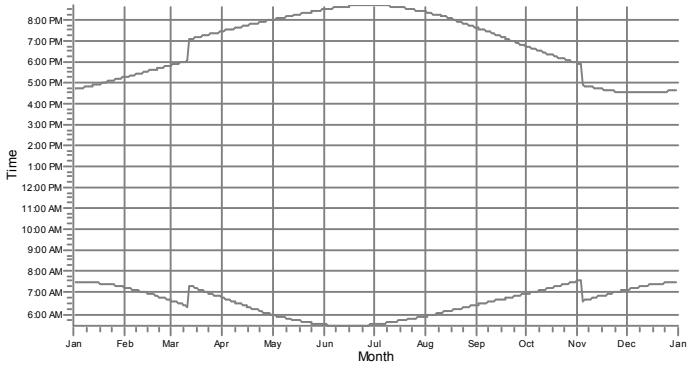
260: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3514)



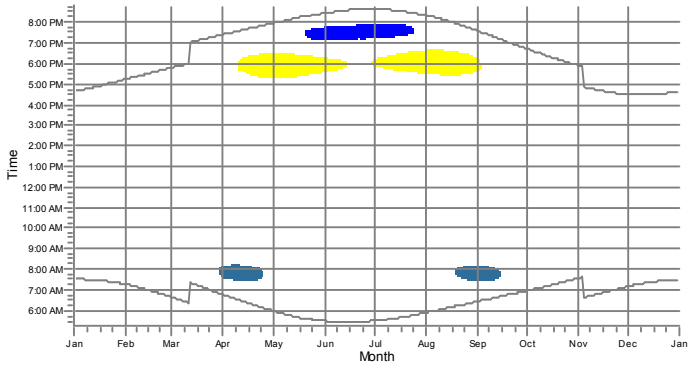
261: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3515)



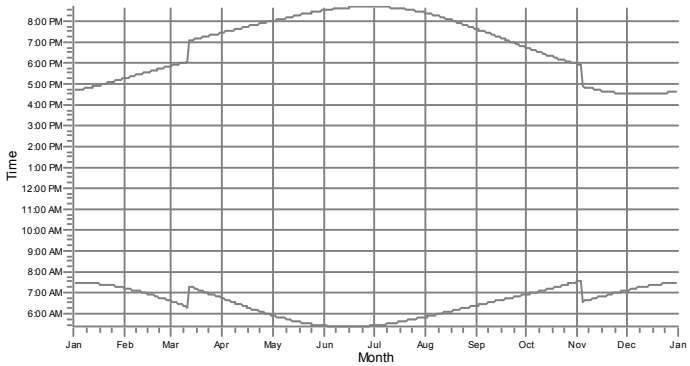
262: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3516)



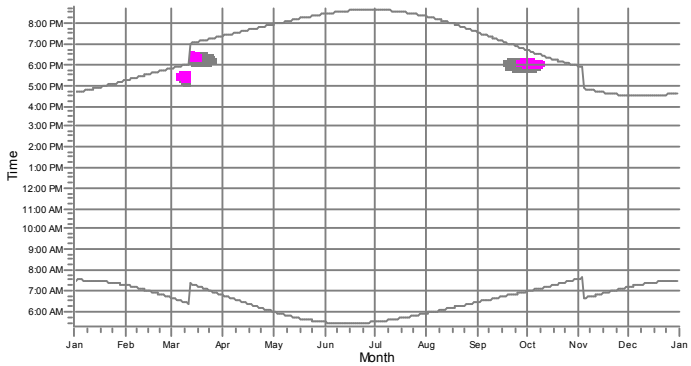
263: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3517)



264: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3518)



265: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3519)



WTGs

- 3: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (291)
- 4: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (292)
- 5: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (293)
- 6: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (294)
- 28: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (311)

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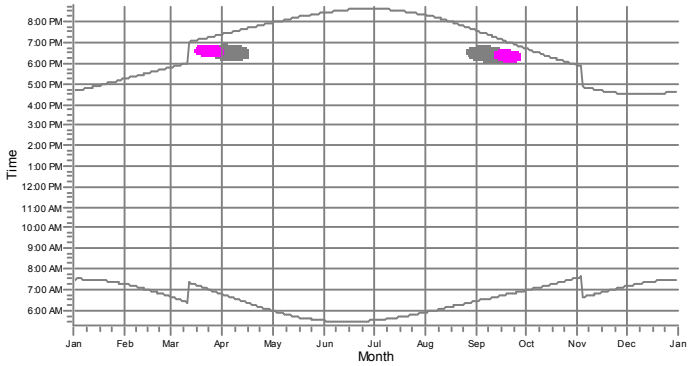
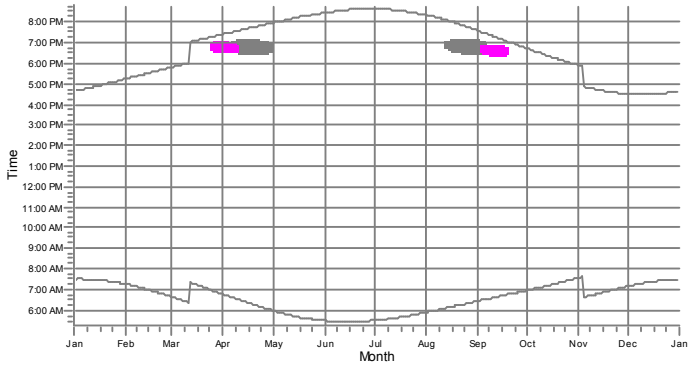
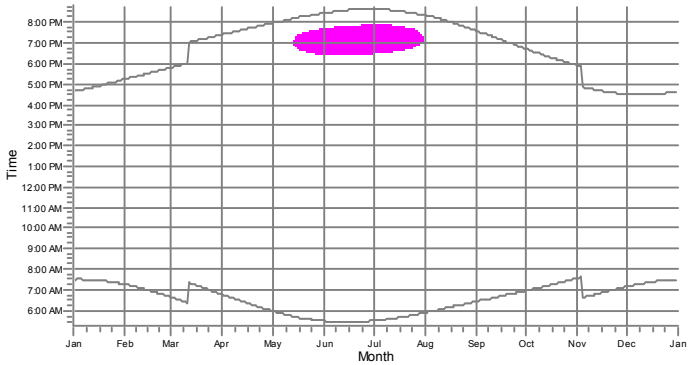
266: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3520)



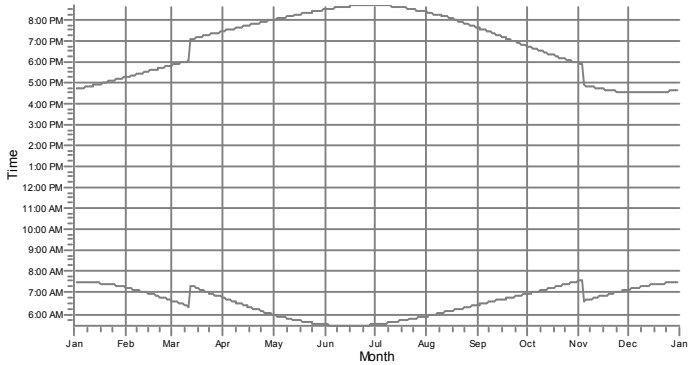
267: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3521)



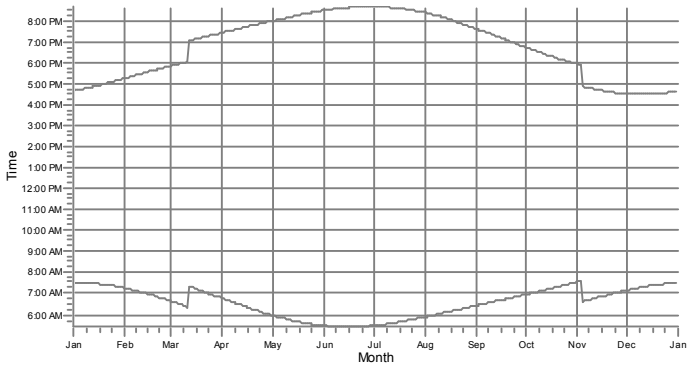
268: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3522)



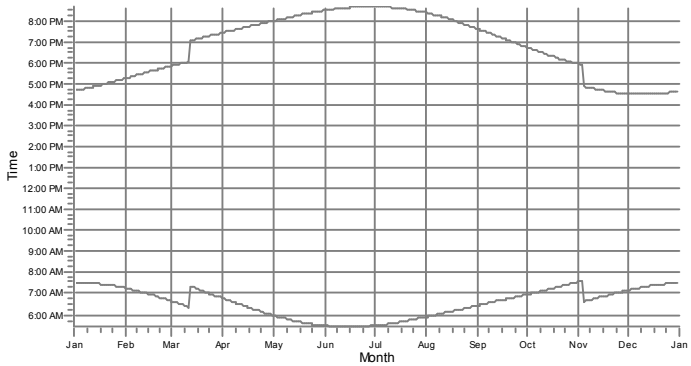
269: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3523)



271: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3524)



272: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3525)



WTGs

5: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (293)

6: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (294)

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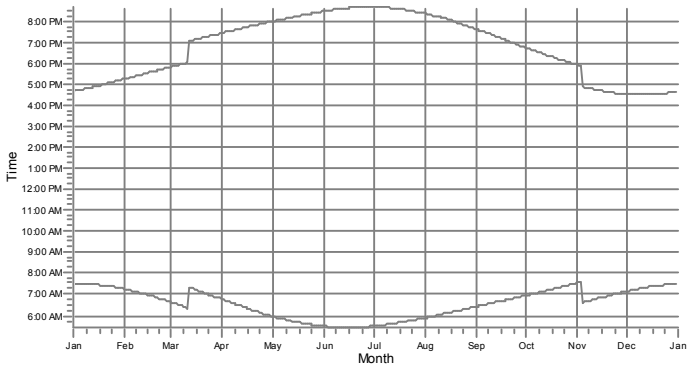
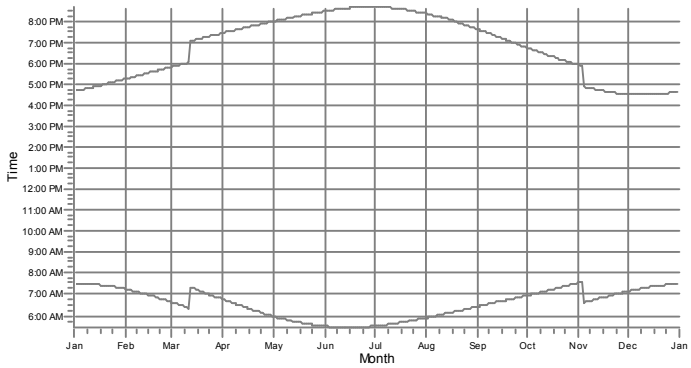
Calculation: Points & Grid

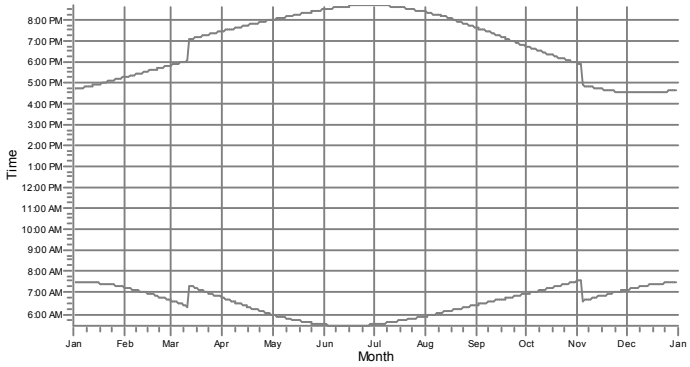
273: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3526)



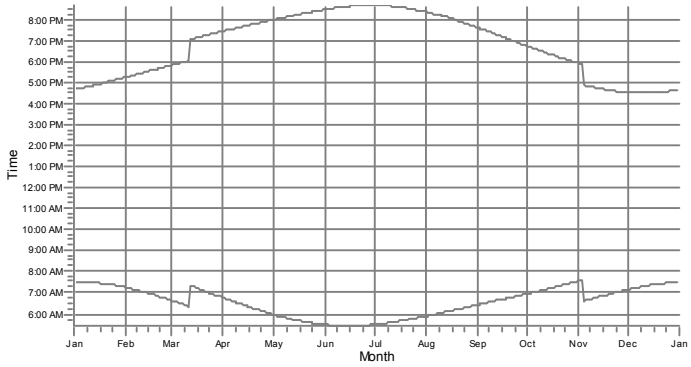
274: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3527)



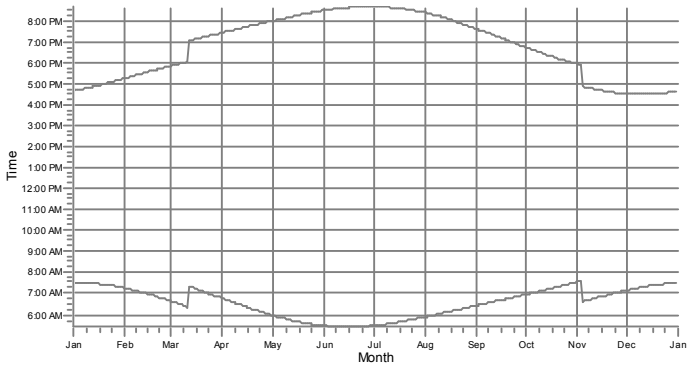
275: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3528)



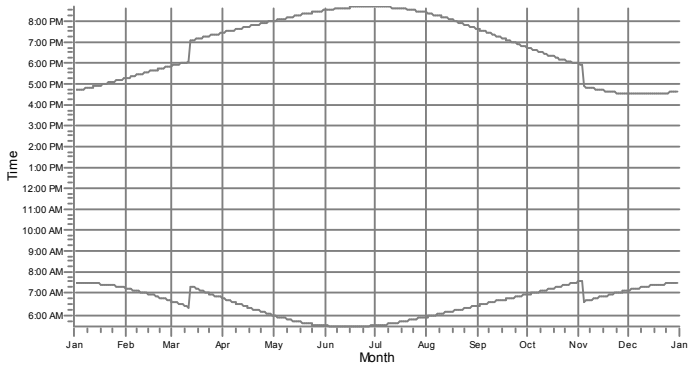
276: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3529)



277: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3530)



278: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3531)



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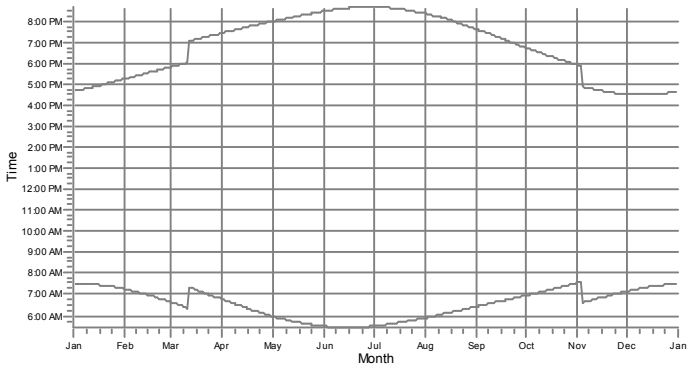
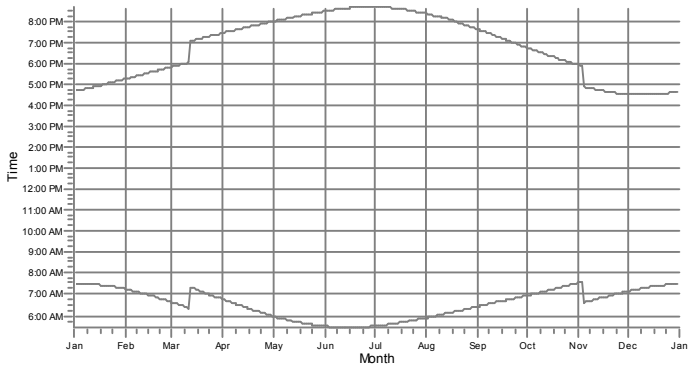
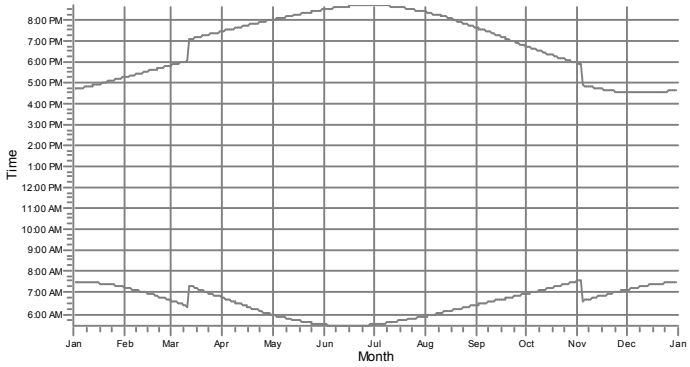
279: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3532)



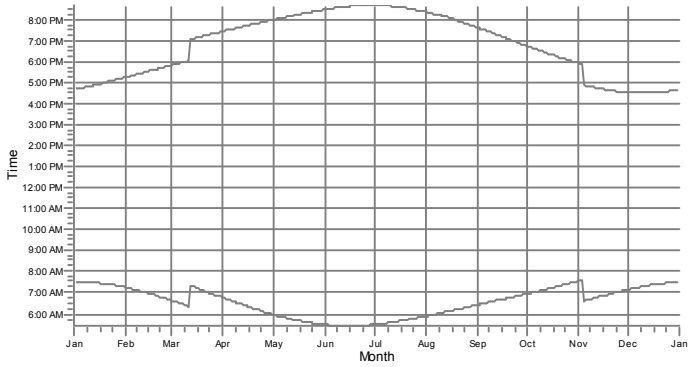
280: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3533)



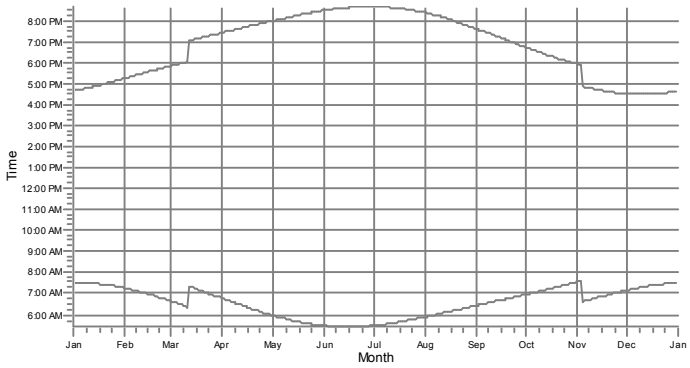
281: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3534)



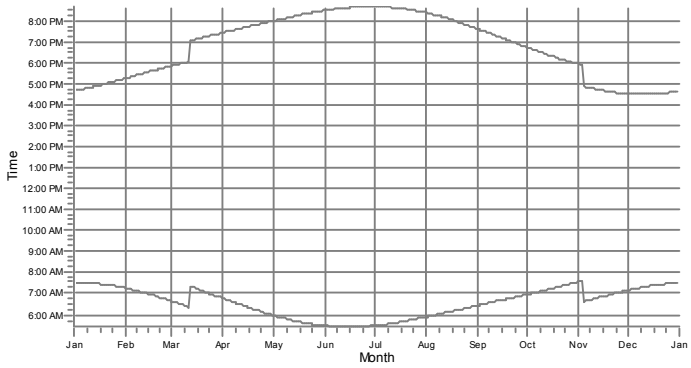
282: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3535)



283: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3536)



284: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3537)



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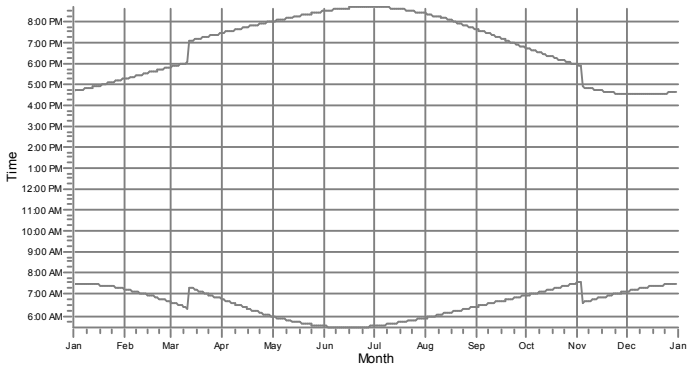
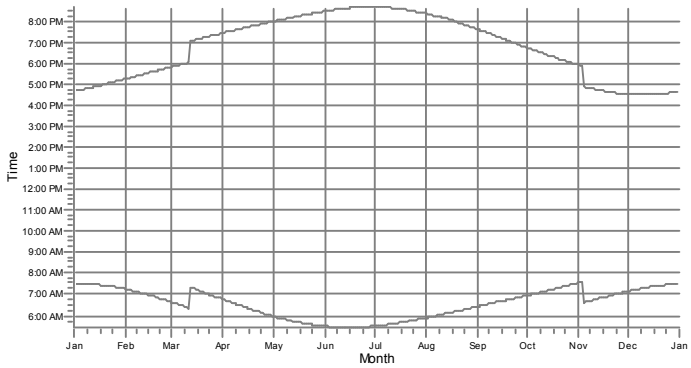
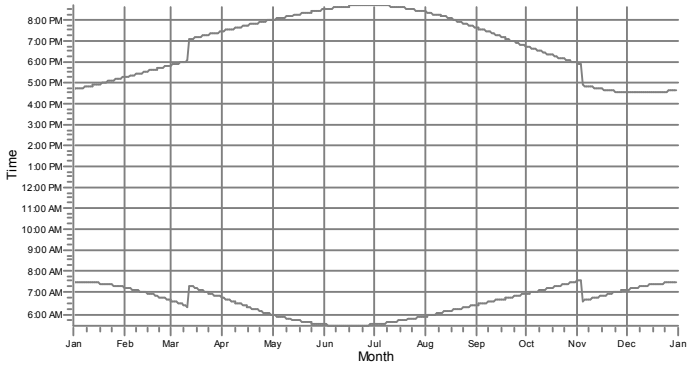
285: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3538)



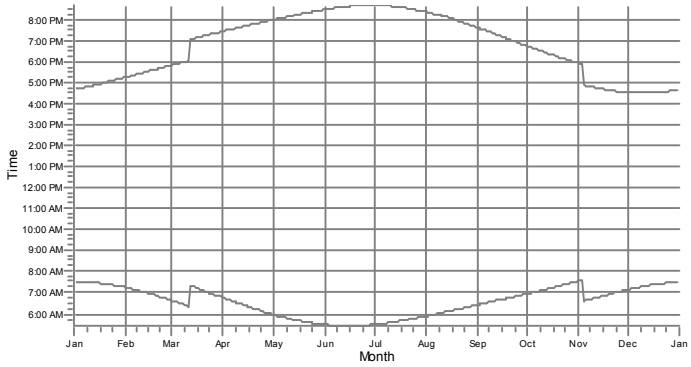
286: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3539)



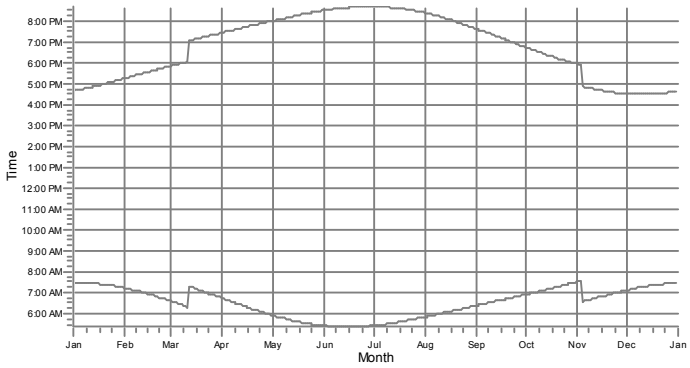
287: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3540)



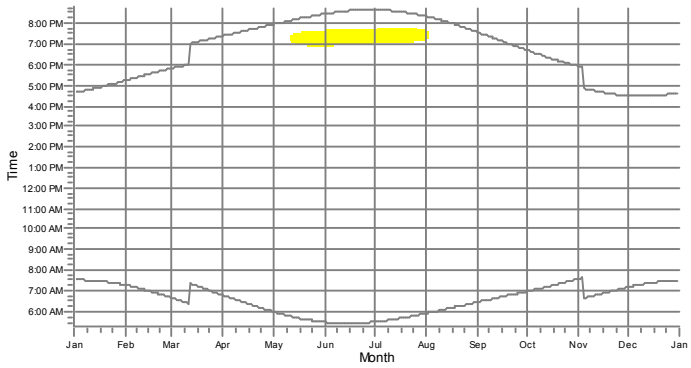
288: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3541)



289: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3542)



290: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3543)



WTGs

3: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (291)

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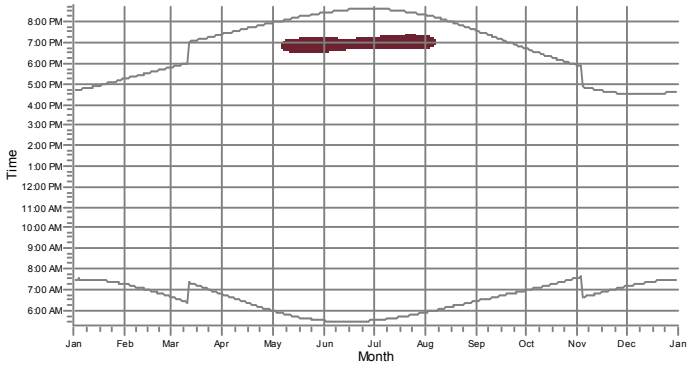
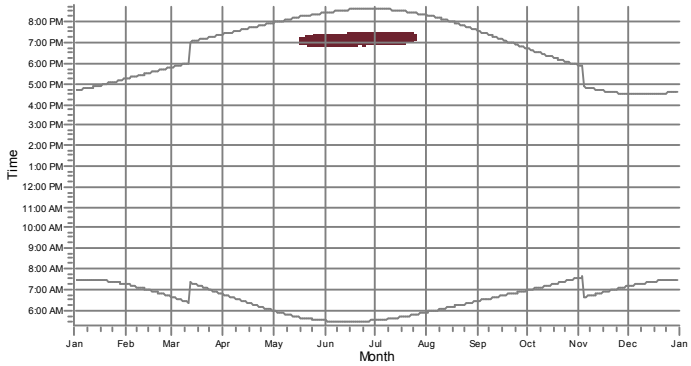
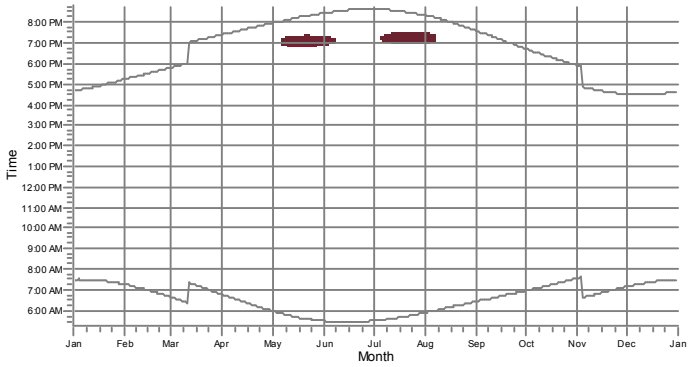
291: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3544)



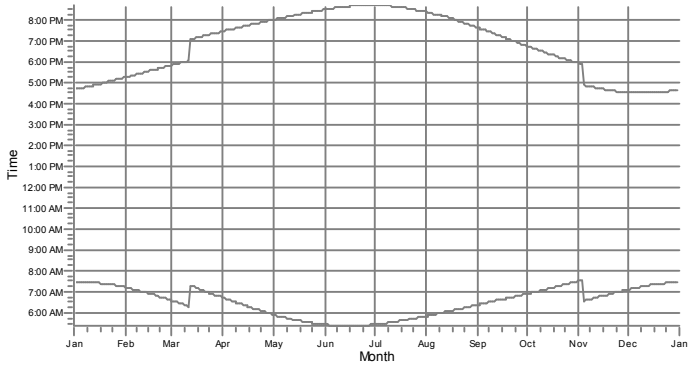
292: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3545)



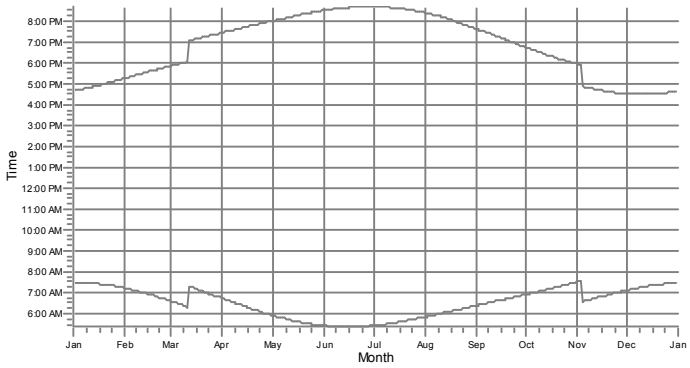
293: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3546)



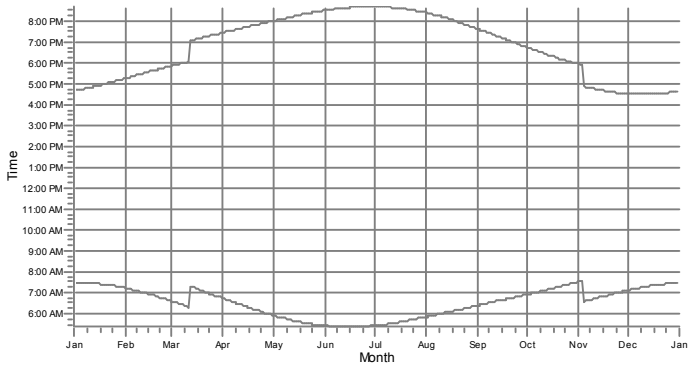
296: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3547)



303: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3548)



304: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3549)



WTGs

38: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (321)

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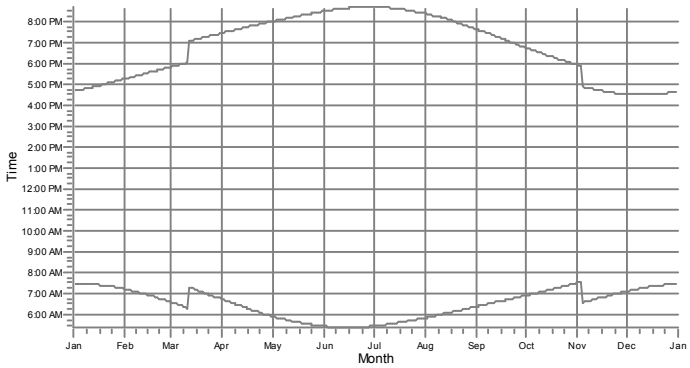
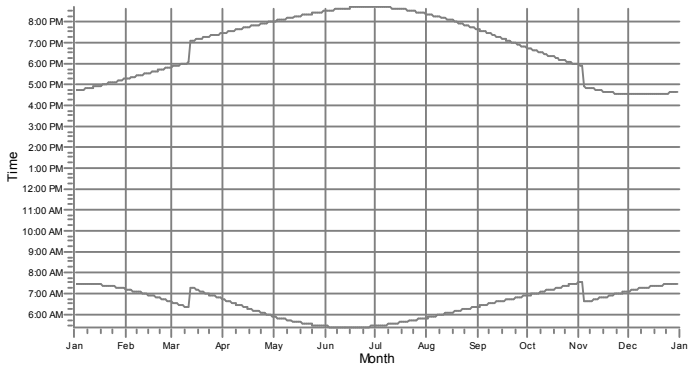
SHADOW - Calendar, graphical

Calculation: Points & Grid

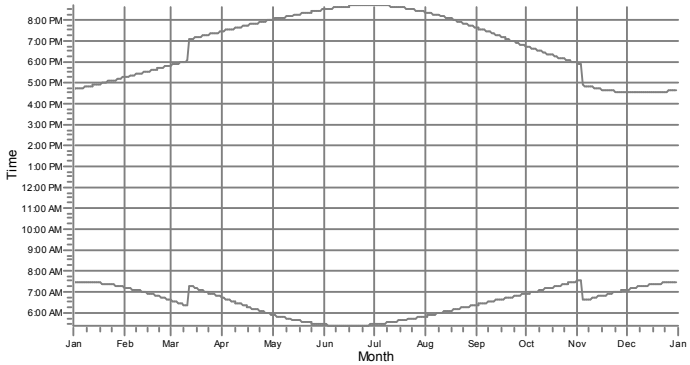
305: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3550)



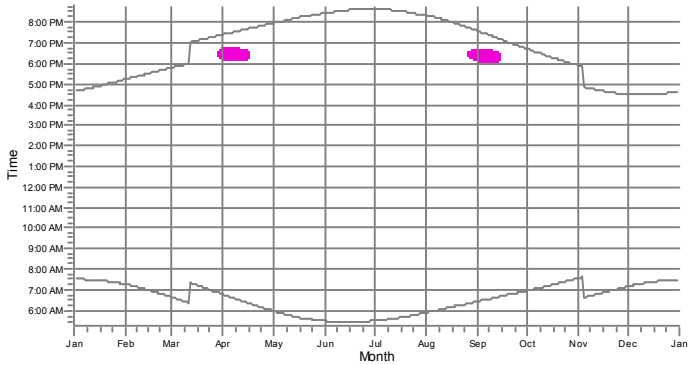
306: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3551)



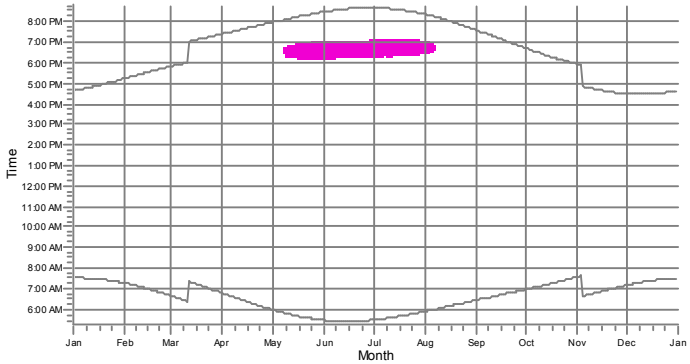
307: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3552)



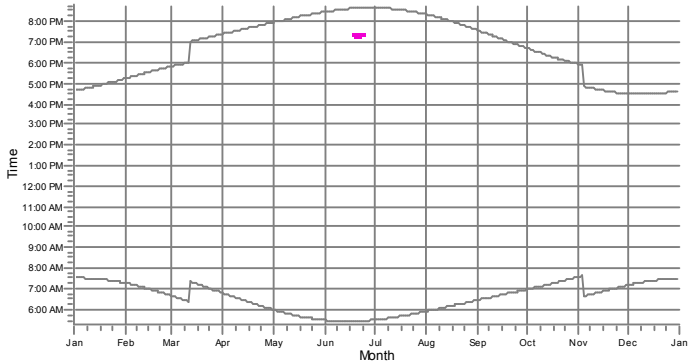
308: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3553)



309: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3554)



310: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3555)



WTGs

30: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (313)

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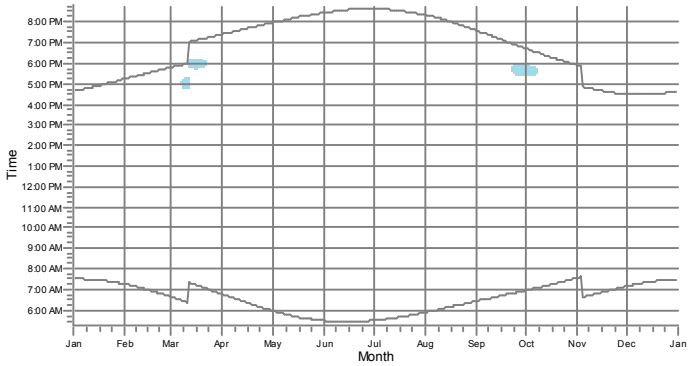
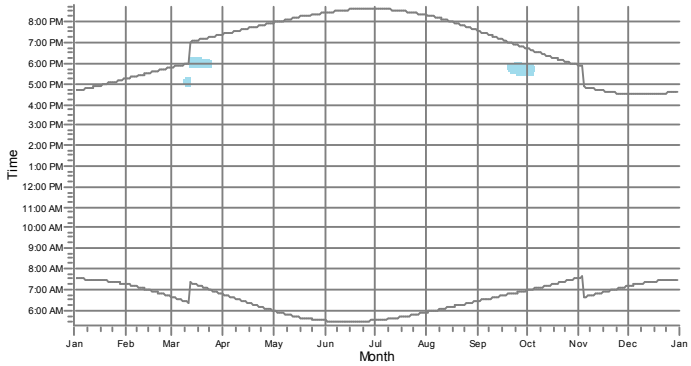
SHADOW - Calendar, graphical

Calculation: Points & Grid

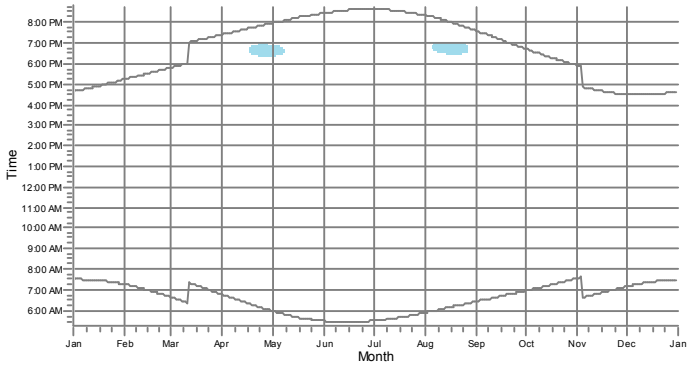
311: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3556)



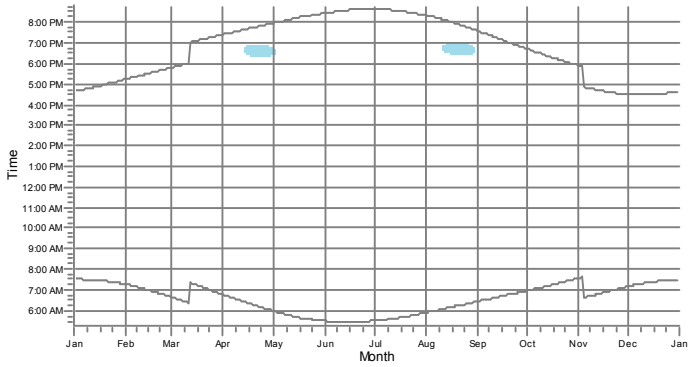
312: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3557)



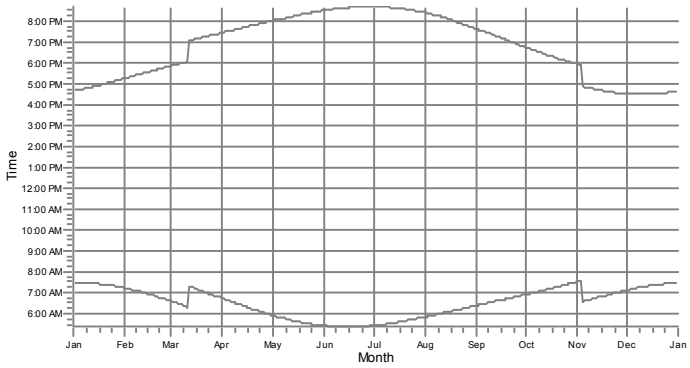
313: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3558)



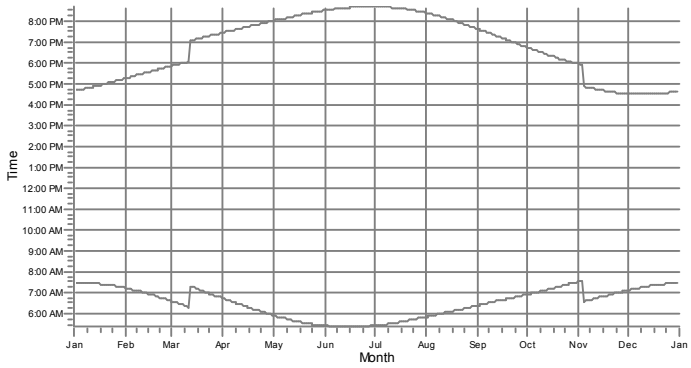
314: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3559)



315: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3560)



316: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3561)



WTGs

40: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (322)

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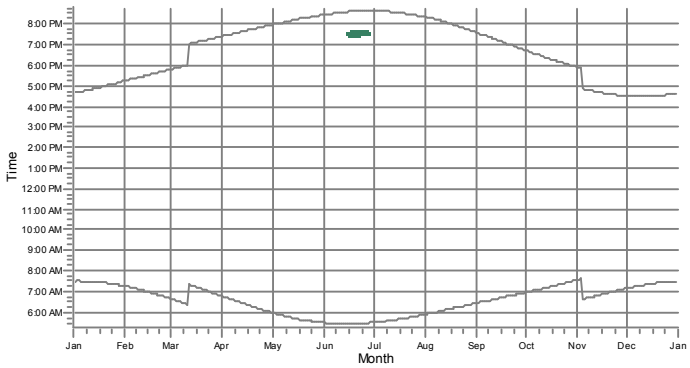
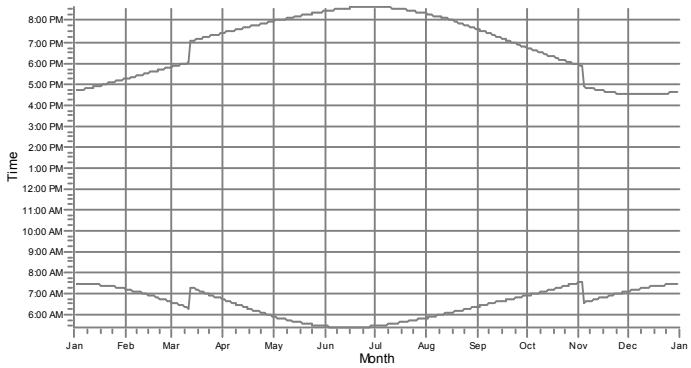
SHADOW - Calendar, graphical

Calculation: Points & Grid

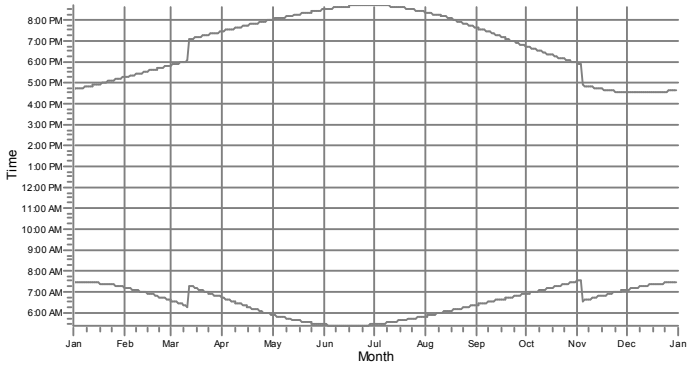
317: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3562)



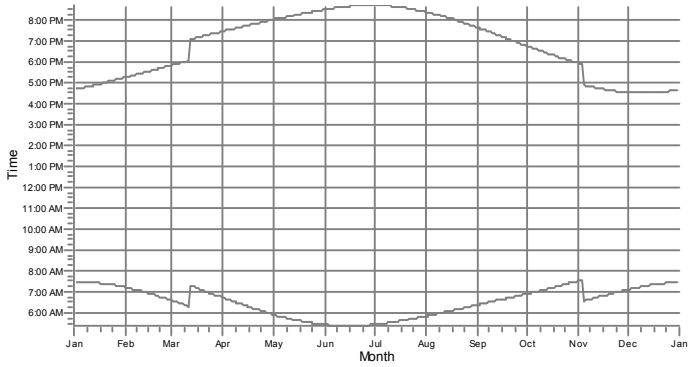
318: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3563)



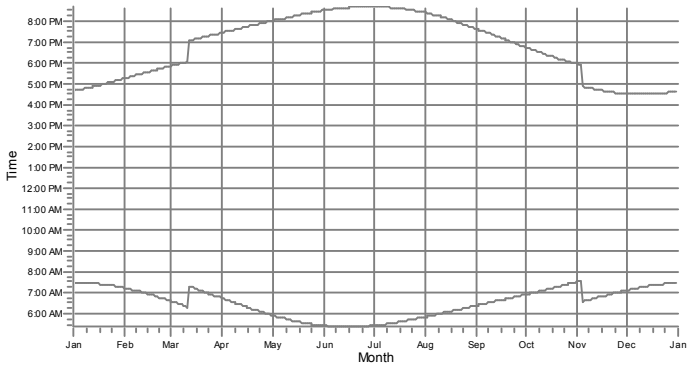
319: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3564)



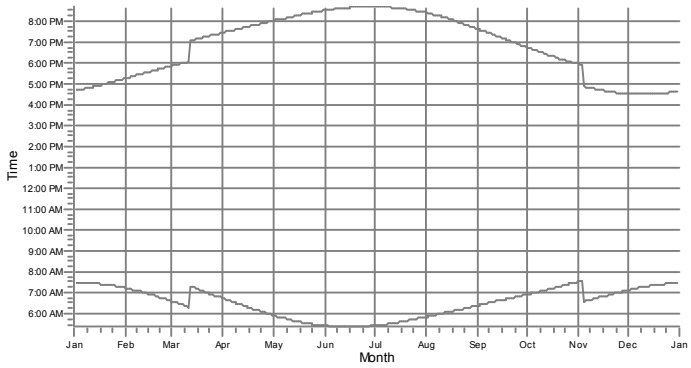
320: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3565)



321: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3566)



322: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3567)



WTGs

35: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (318)

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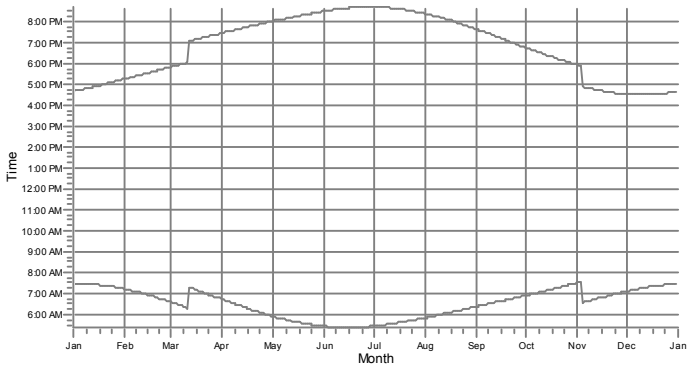
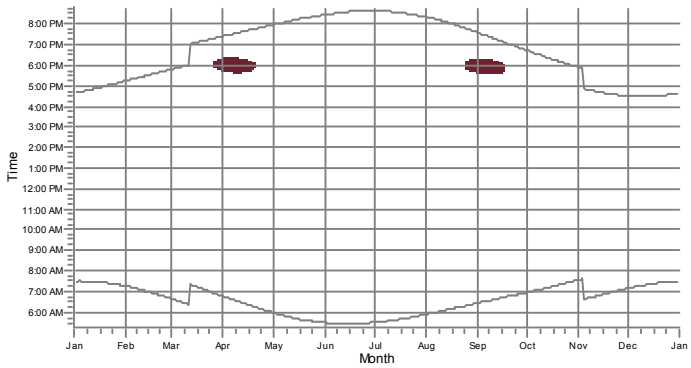
SHADOW - Calendar, graphical

Calculation: Points & Grid

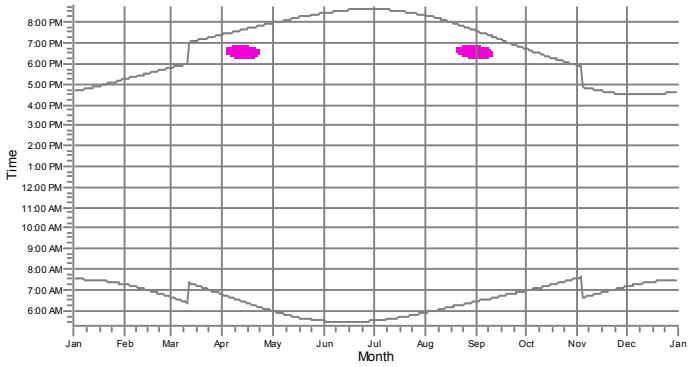
323: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3568)



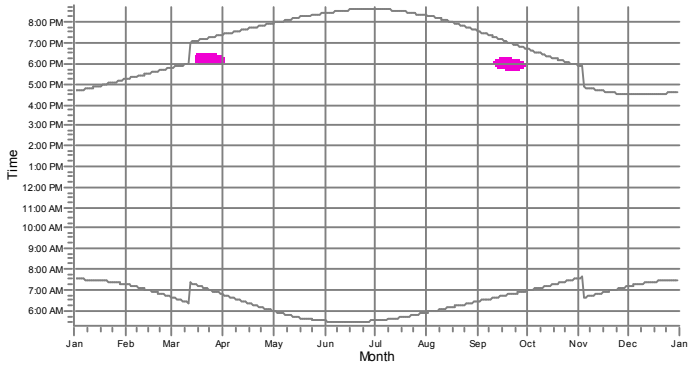
324: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3569)



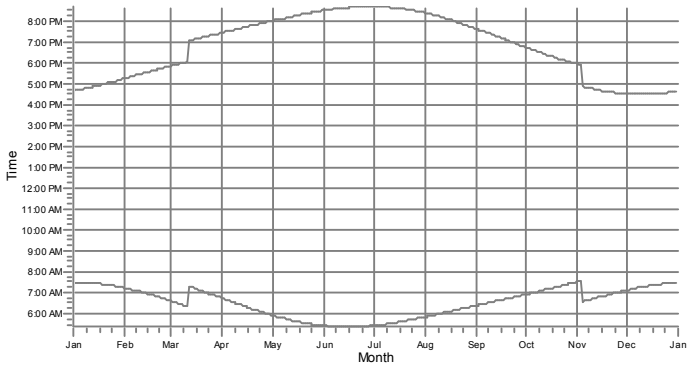
325: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3570)



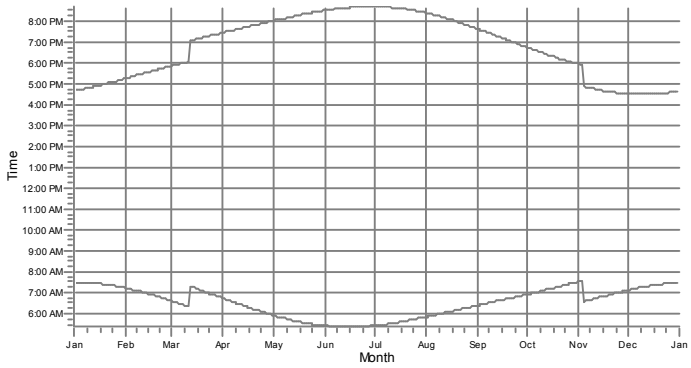
326: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3571)



327: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3572)



328: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3573)



WTGs

30: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (313)

38: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (321)

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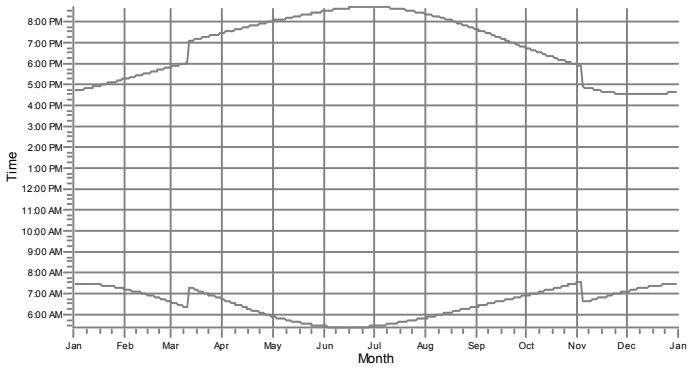
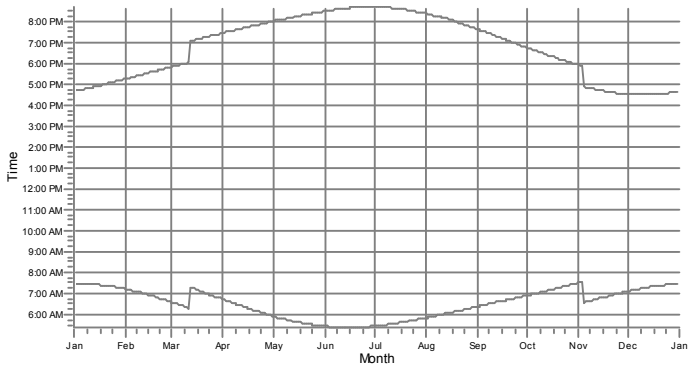
SHADOW - Calendar, graphical

Calculation: Points & Grid

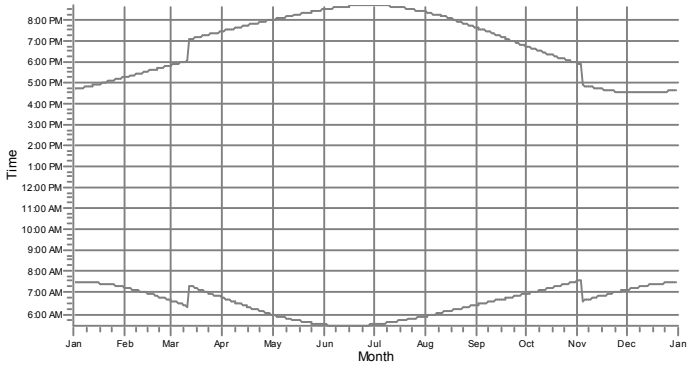
329: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3574)



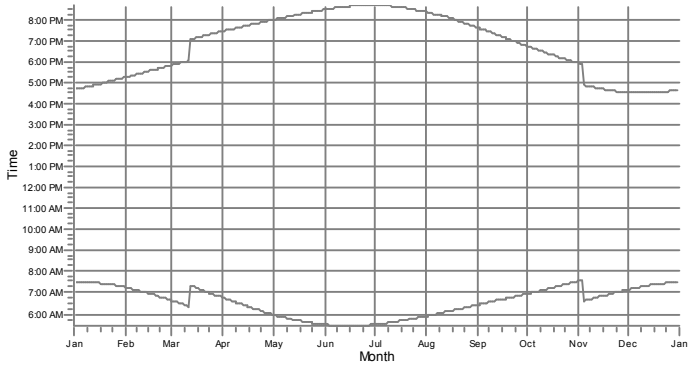
336: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3575)



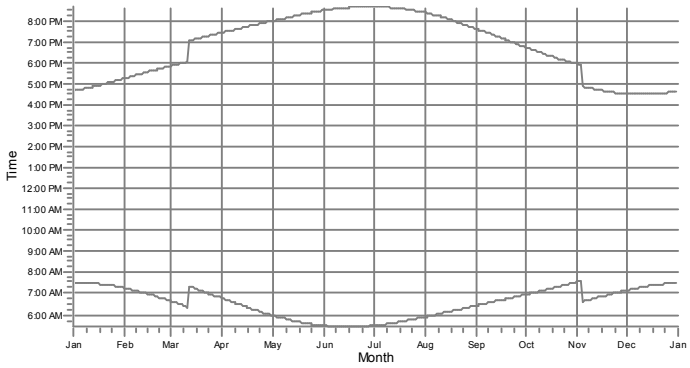
337: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3576)



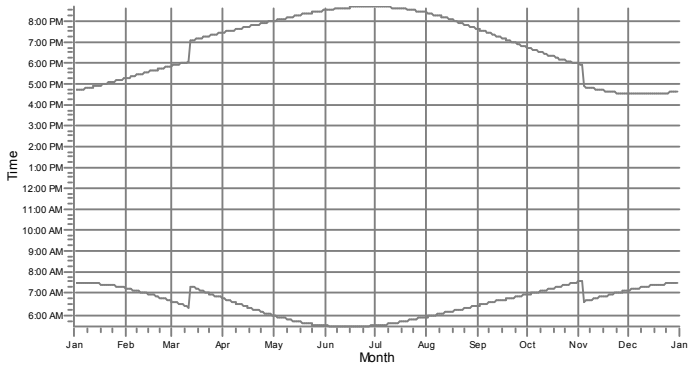
338: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3577)



339: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3578)



340: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3579)



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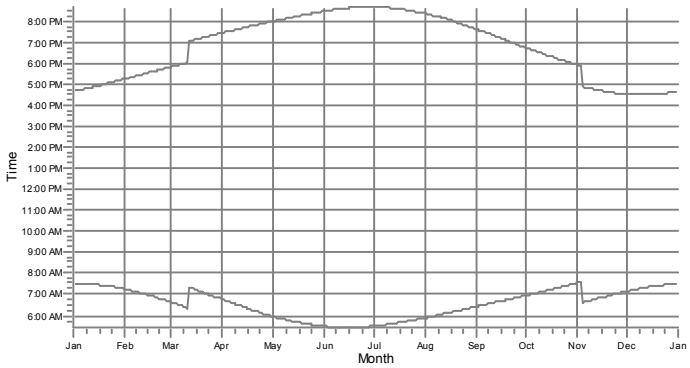
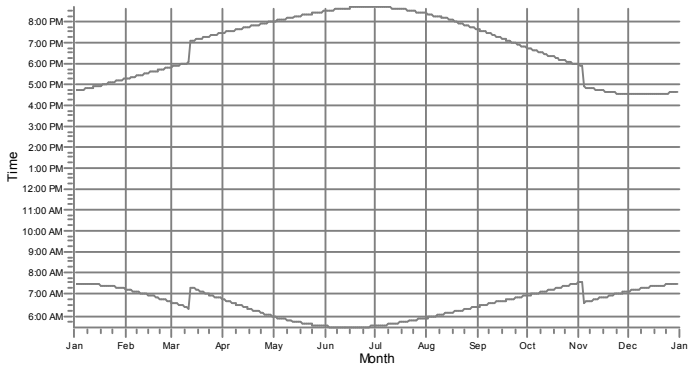
SHADOW - Calendar, graphical

Calculation: Points & Grid

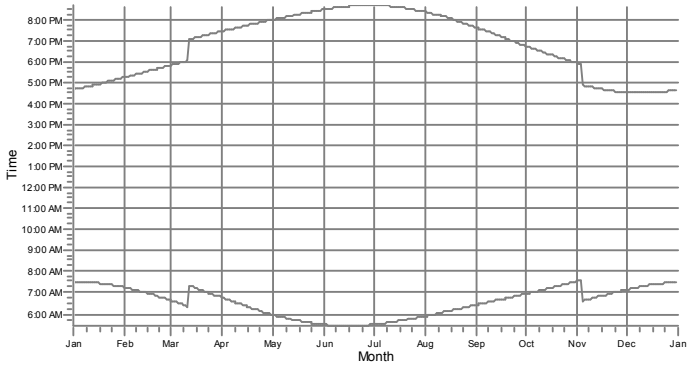
341: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3580)



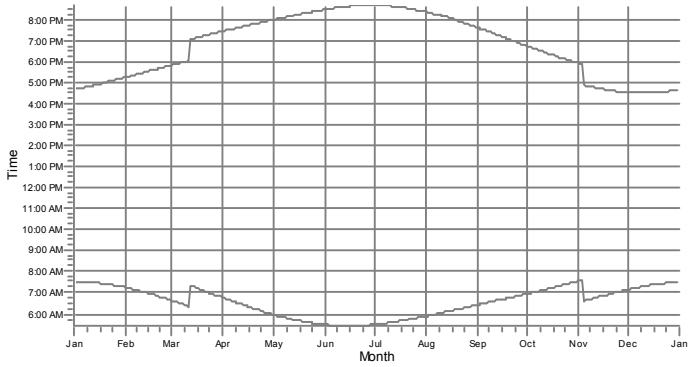
342: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3581)



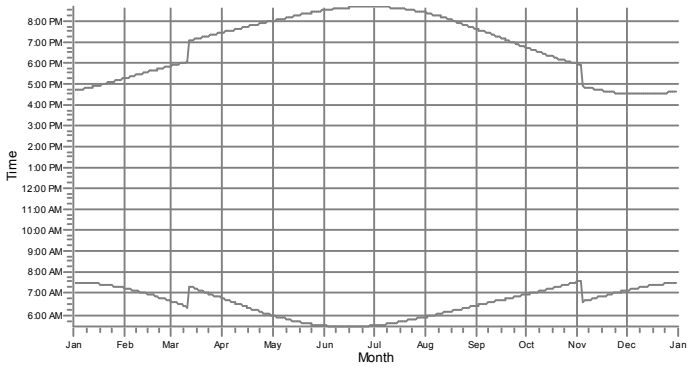
343: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3582)



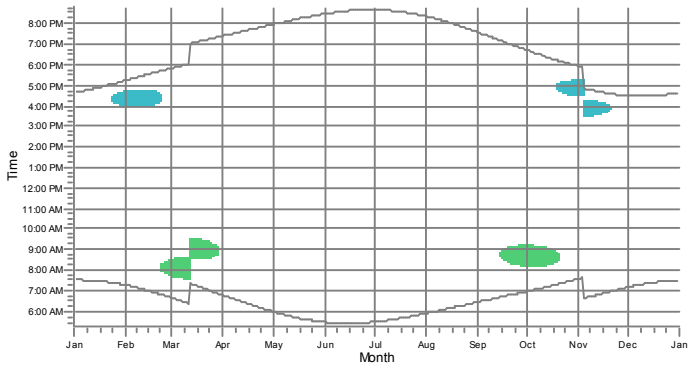
344: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3583)



345: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3584)



347: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3585)



WTGs

25: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (308)

34: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (317)

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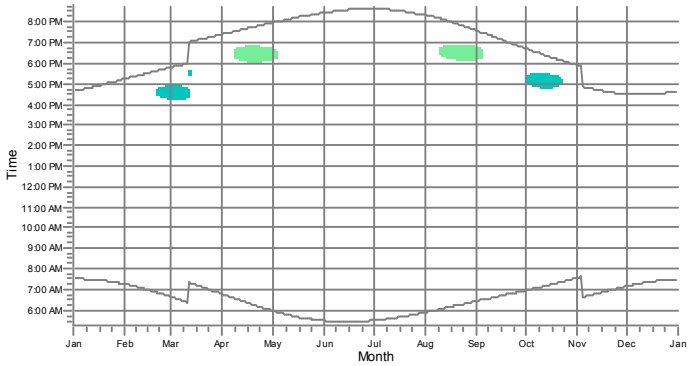
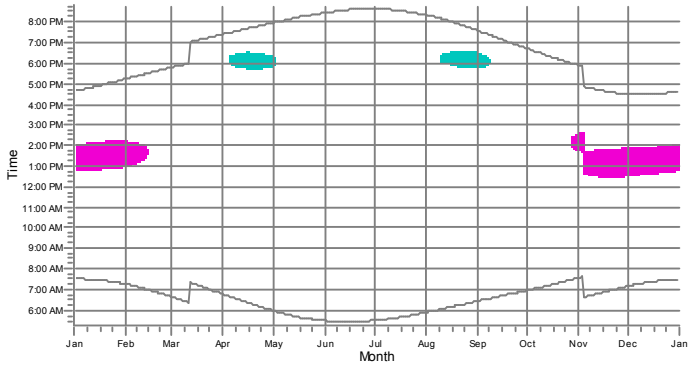
SHADOW - Calendar, graphical

Calculation: Points & Grid

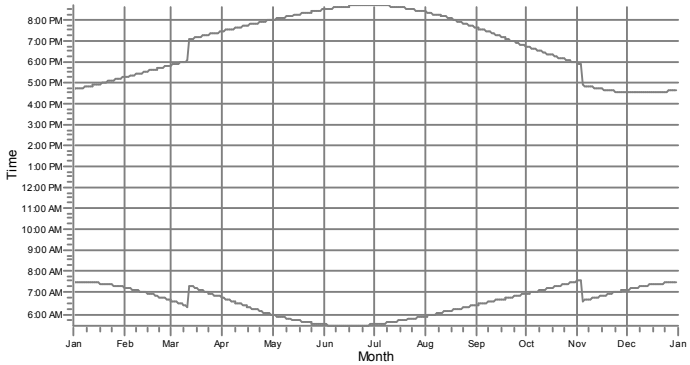
348: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3586)



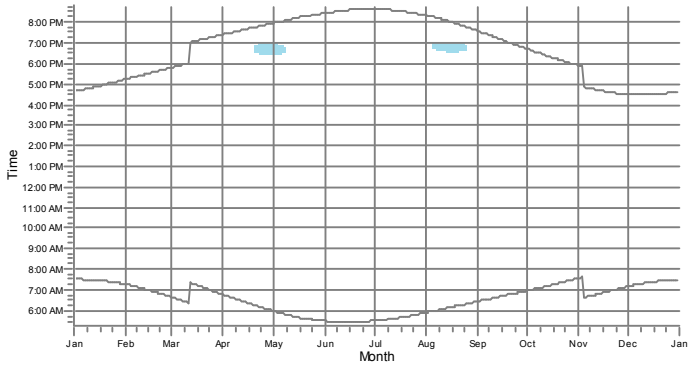
349: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3273)



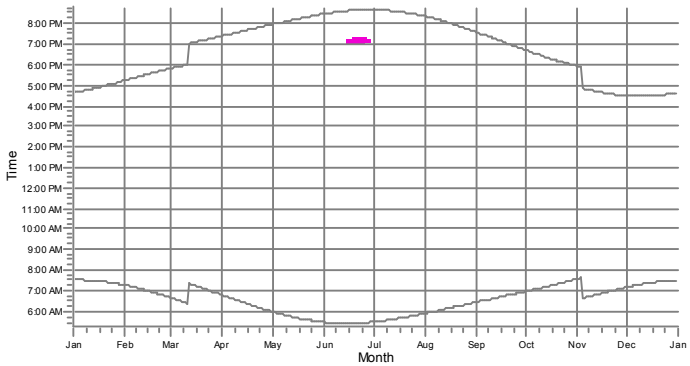
350: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3587)



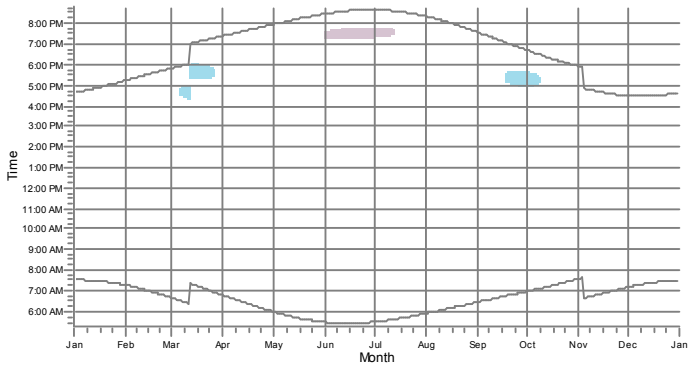
351: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3588)



353: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3589)



354: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3590)



WTGs

27: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (310)
30: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (313)
31: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (314)
32: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (315)
40: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (322)

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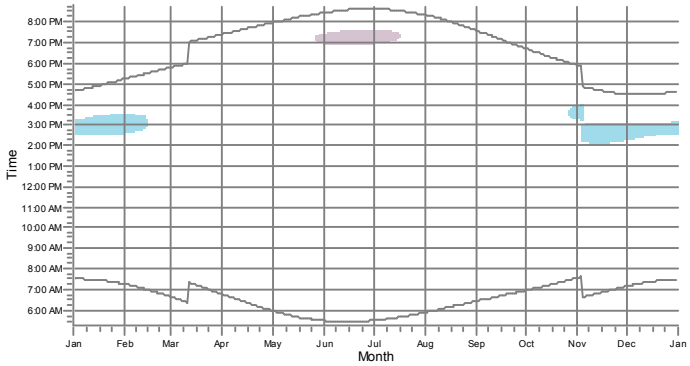
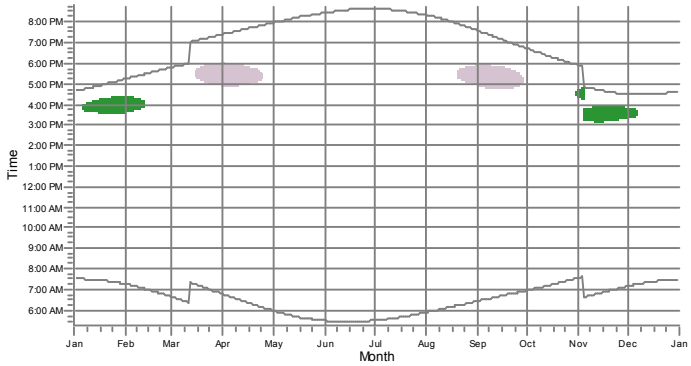
SHADOW - Calendar, graphical

Calculation: Points & Grid

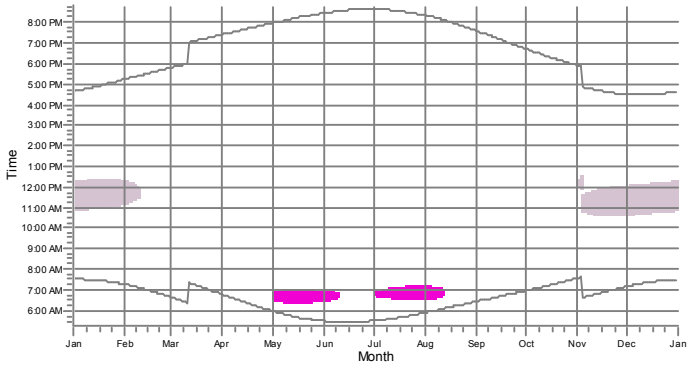
355: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3591)



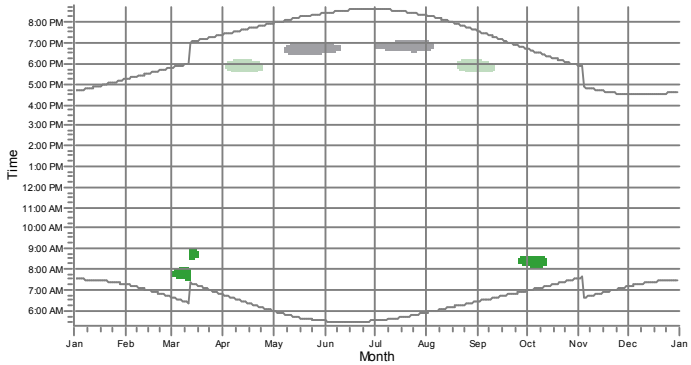
356: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3592)



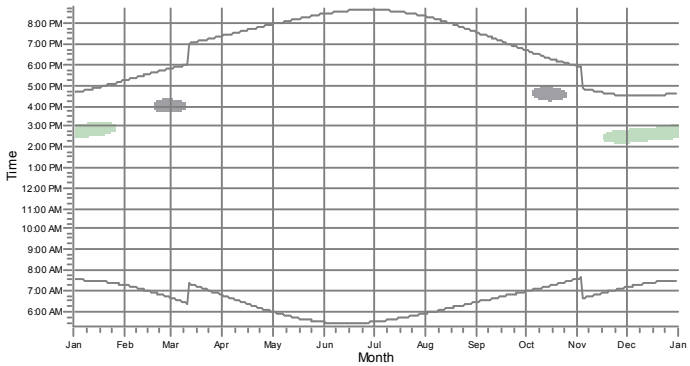
357: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3593)



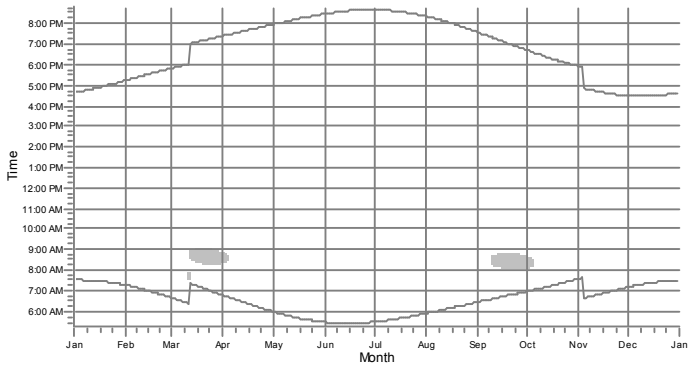
360: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3594)



361: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3595)



362: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3596)



WTGs

- 16: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (301)
- 20: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (303)
- 22: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (305)
- 26: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (309)
- 30: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (313)
- 31: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (314)
- 33: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (316)
- 40: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (322)

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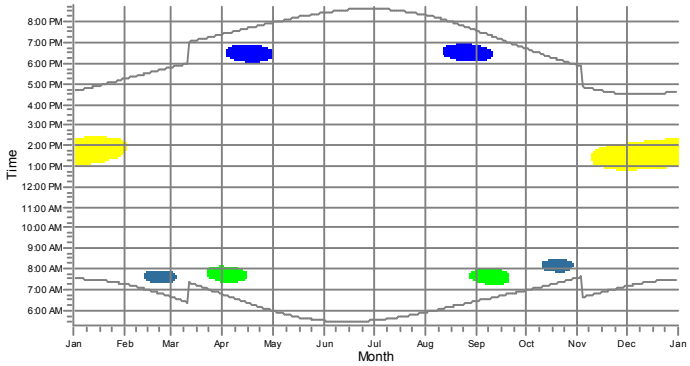
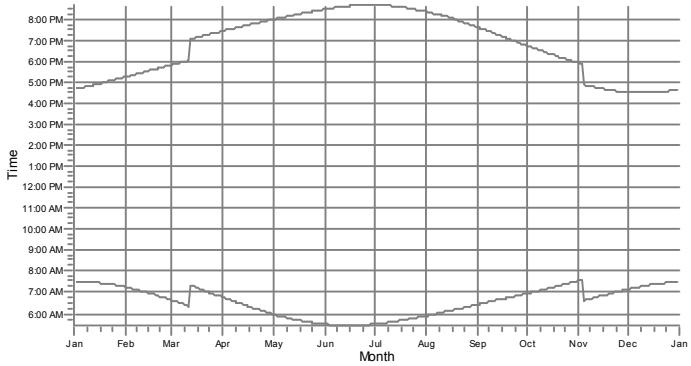
SHADOW - Calendar, graphical

Calculation: Points & Grid

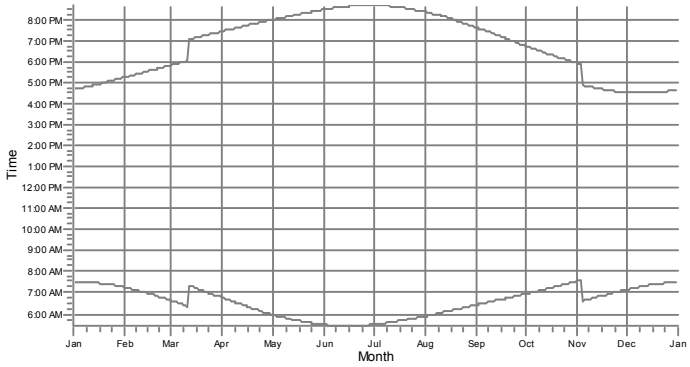
363: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3597)



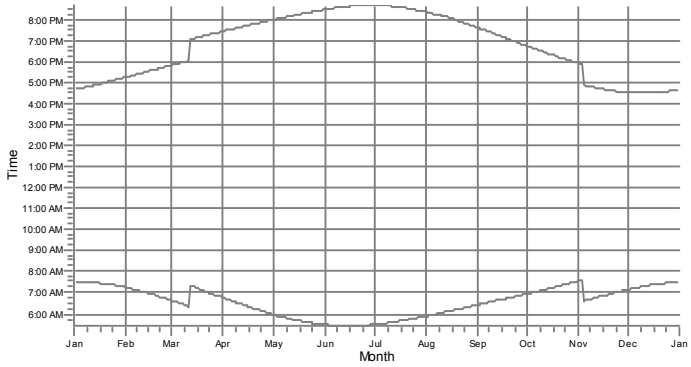
364: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3598)



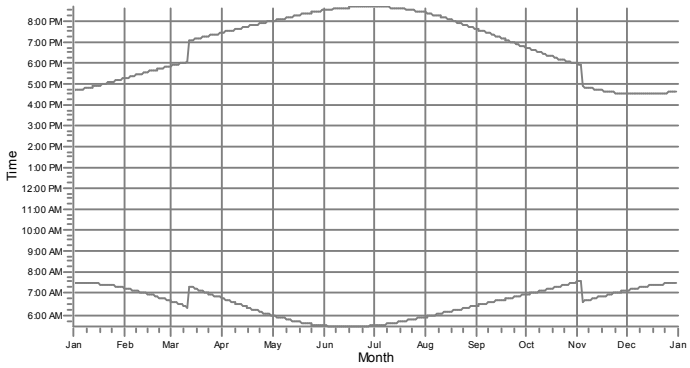
365: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3599)



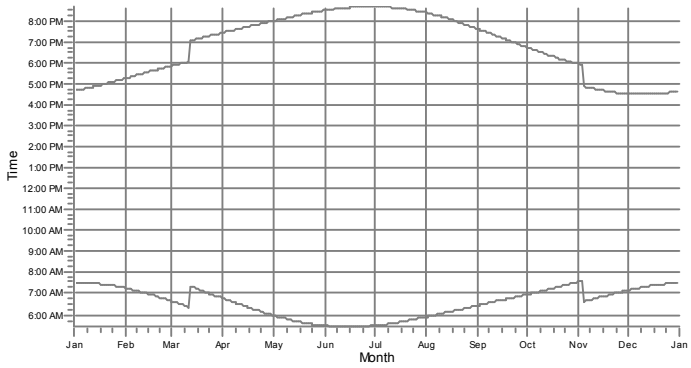
366: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3600)



367: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3601)



368: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3602)



WTGs

- 3: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (291)
- 4: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (292)
- 13: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (298)
- 28: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (311)

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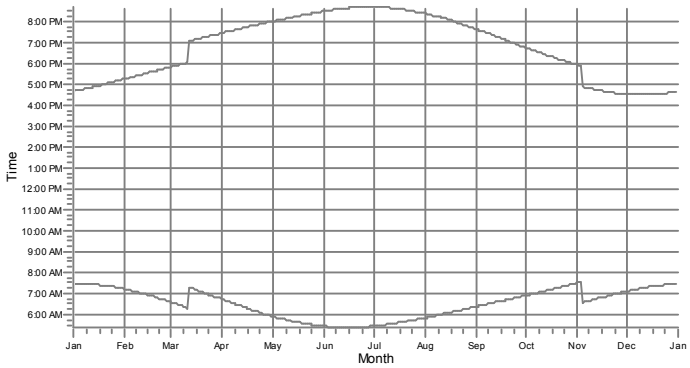
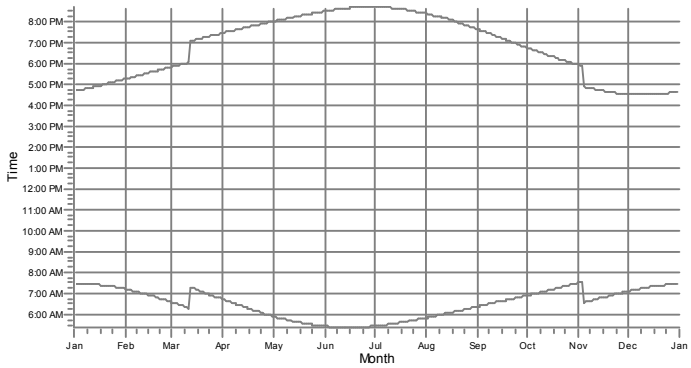
SHADOW - Calendar, graphical

Calculation: Points & Grid

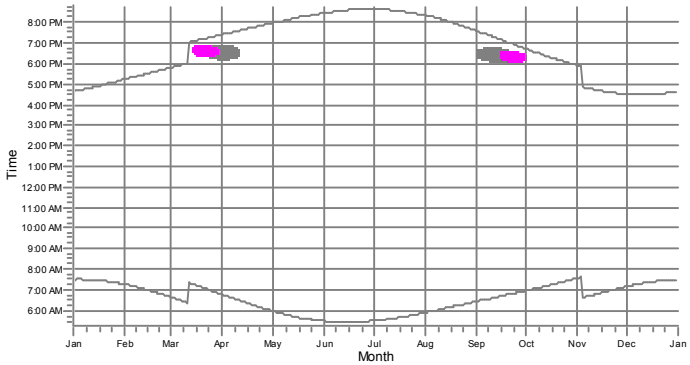
369: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3603)



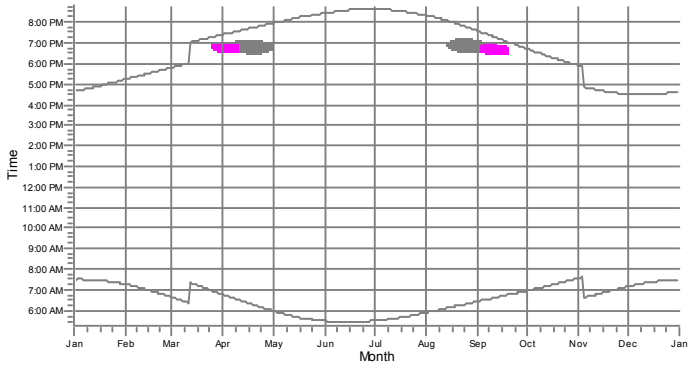
370: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3604)



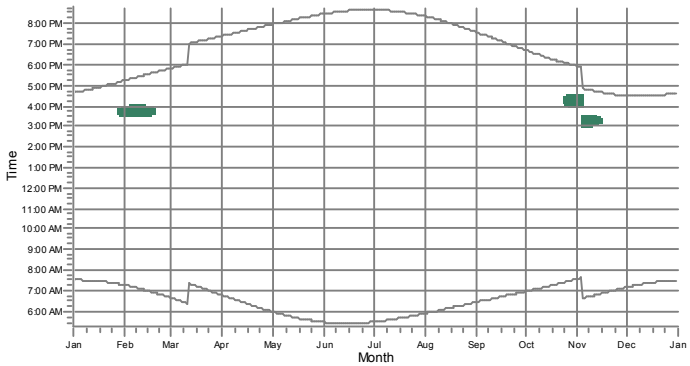
371: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3605)



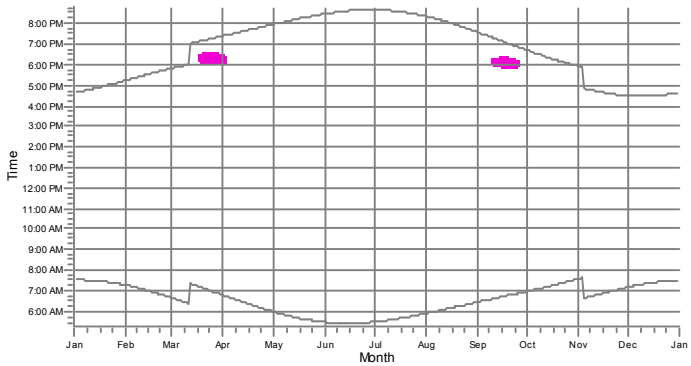
372: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3606)



373: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3607)



374: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3608)



WTGs

- 5: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (293)
- 6: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (294)
- 30: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (313)
- 35: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (318)

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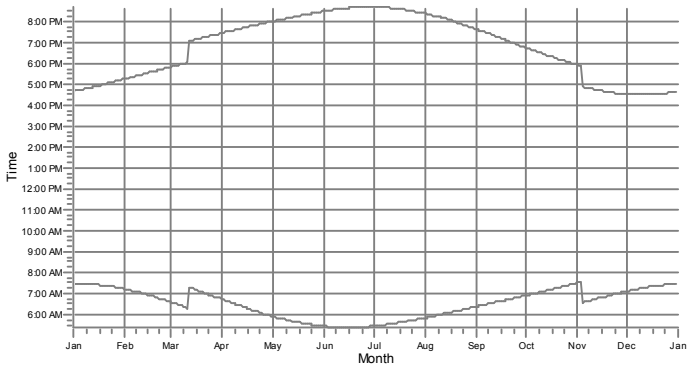
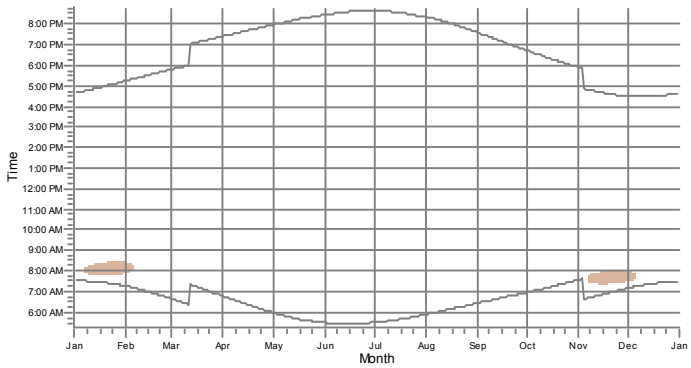
SHADOW - Calendar, graphical

Calculation: Points & Grid

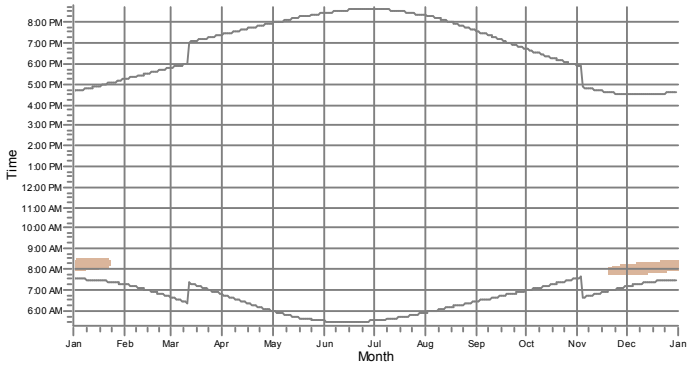
377: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3609)



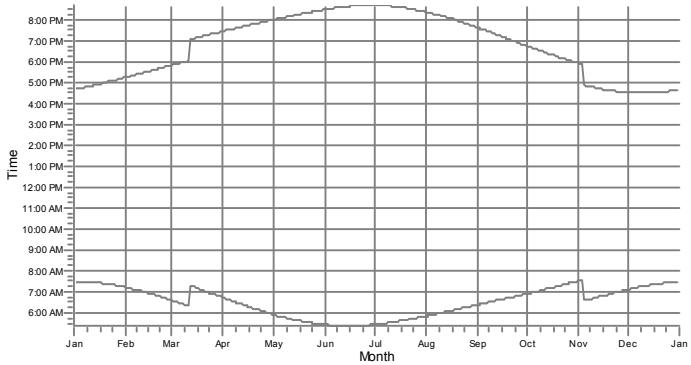
378: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3610)



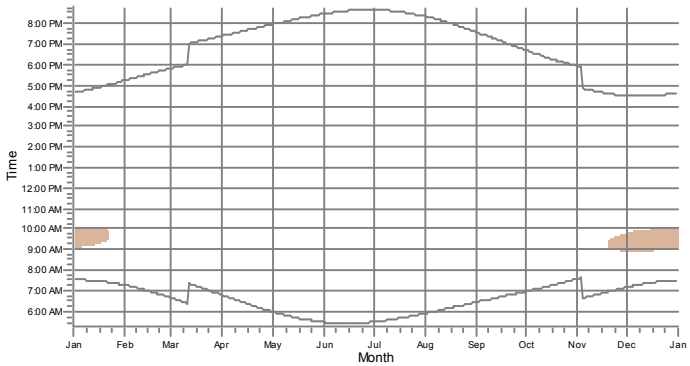
379: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3611)



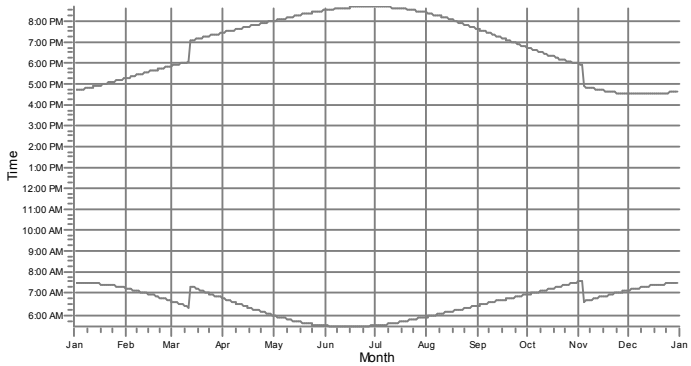
380: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3612)



381: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3613)



382: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3614)



WTGs

23: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (306)

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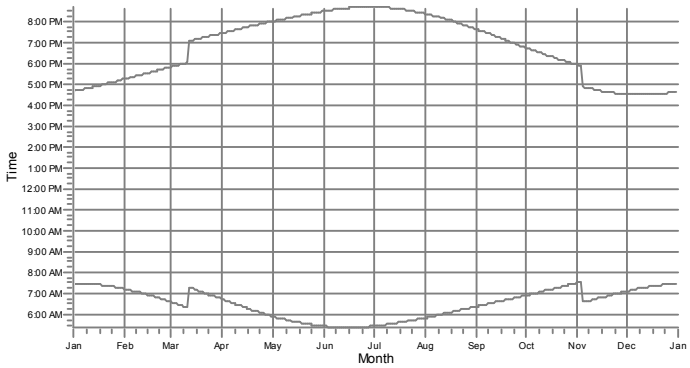
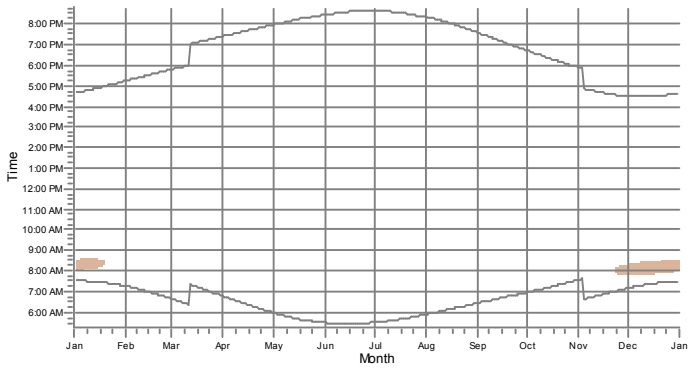
SHADOW - Calendar, graphical

Calculation: Points & Grid

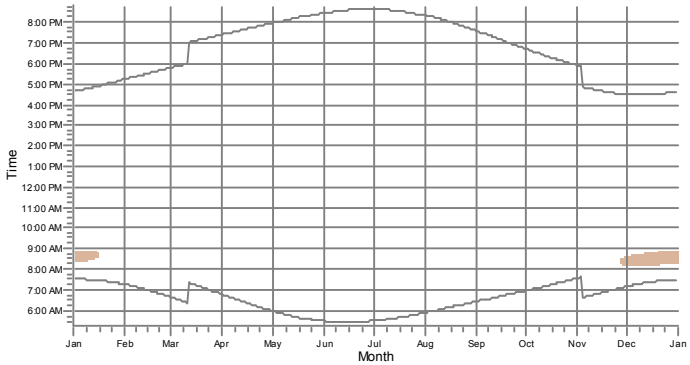
385: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3615)



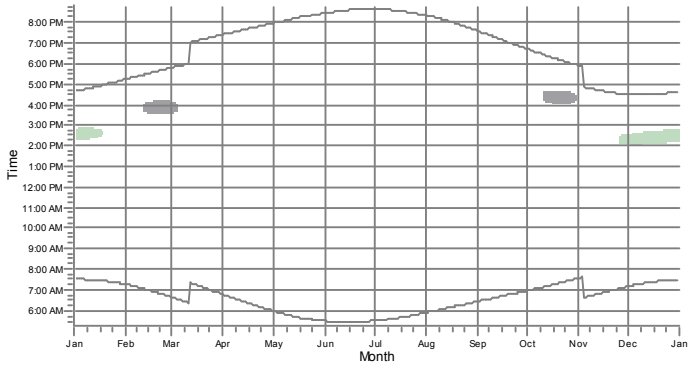
386: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3616)



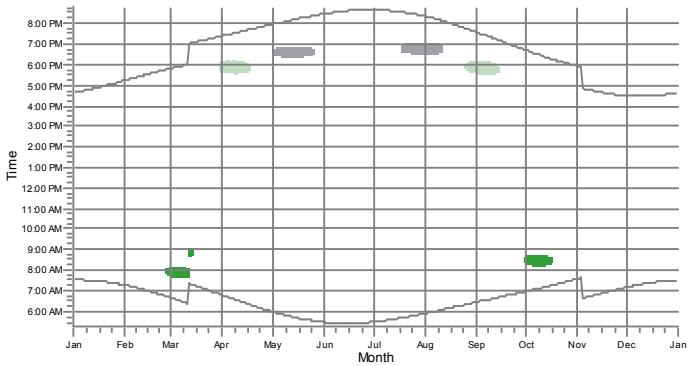
387: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3617)



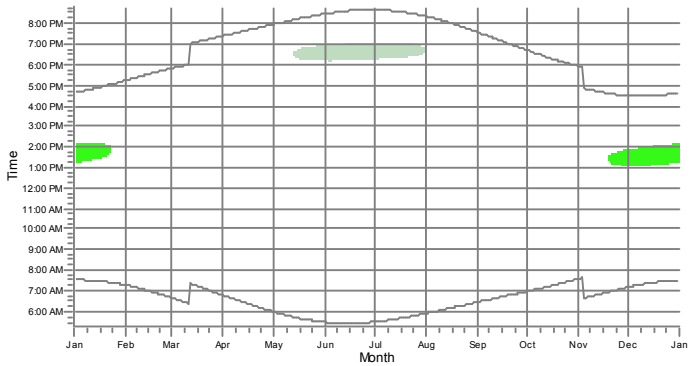
388: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3618)



389: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3619)



390: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3620)



WTGs

20: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (303)
22: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (305)
23: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (306)
24: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (307)
26: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (309)

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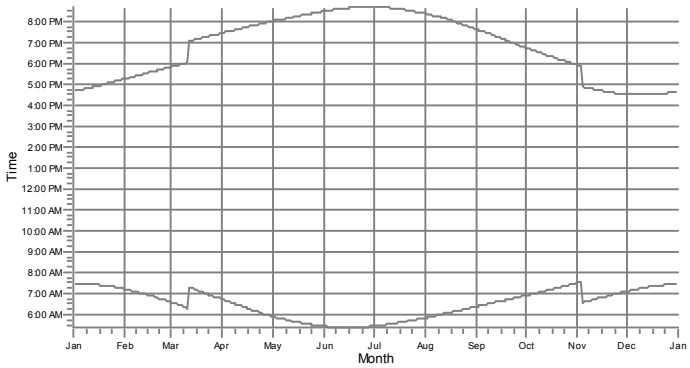
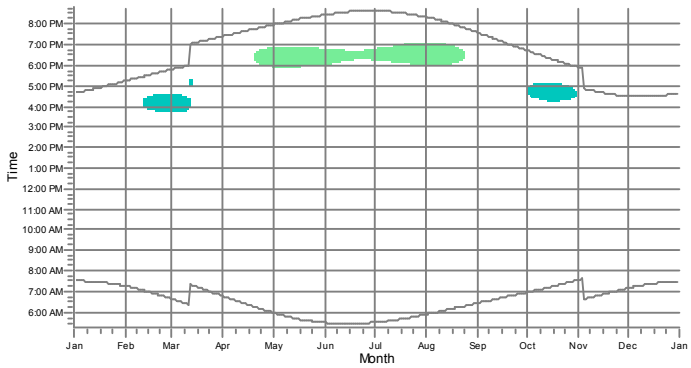
SHADOW - Calendar, graphical

Calculation: Points & Grid

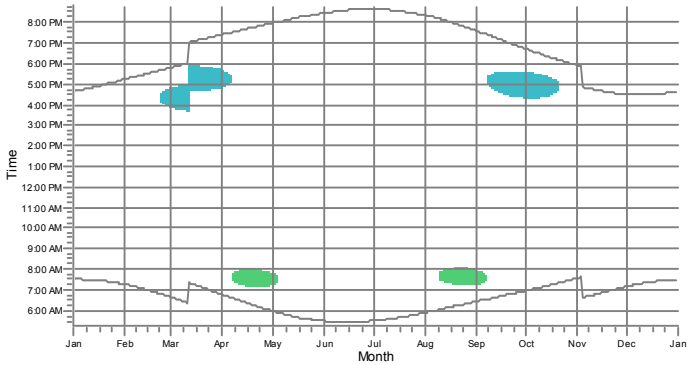
391: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3621)



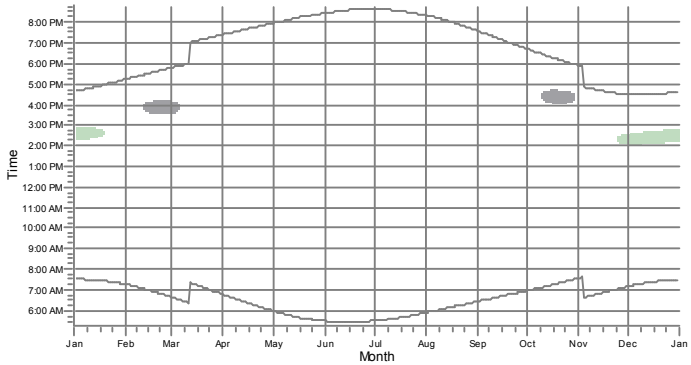
392: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3622)



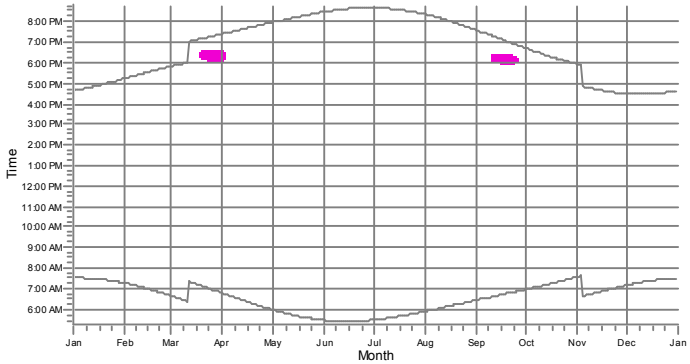
393: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3623)



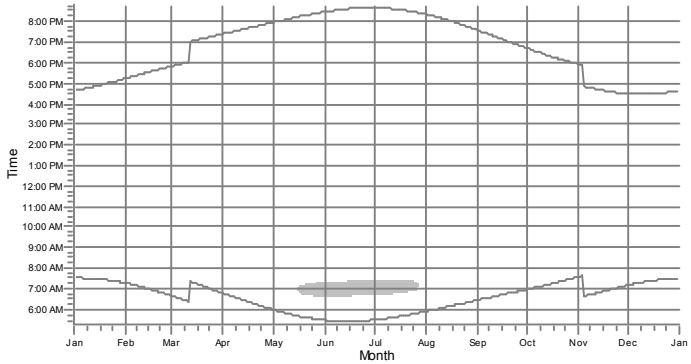
394: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3624)



395: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3625)



400: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3626)



WTGs

- 16: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (301)
- 20: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (303)
- 22: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (305)
- 25: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (308)
- 27: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (310)
- 30: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (313)
- 32: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (315)
- 34: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (317)

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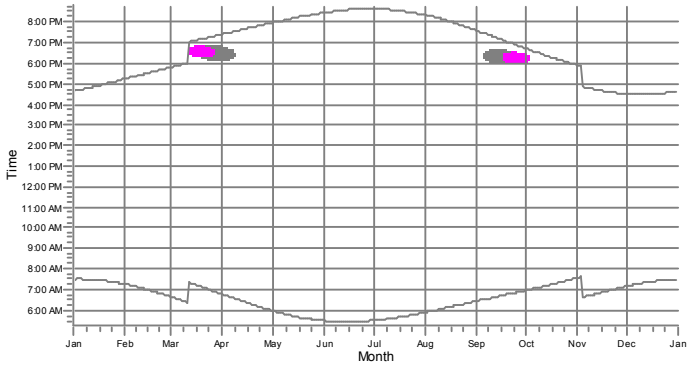
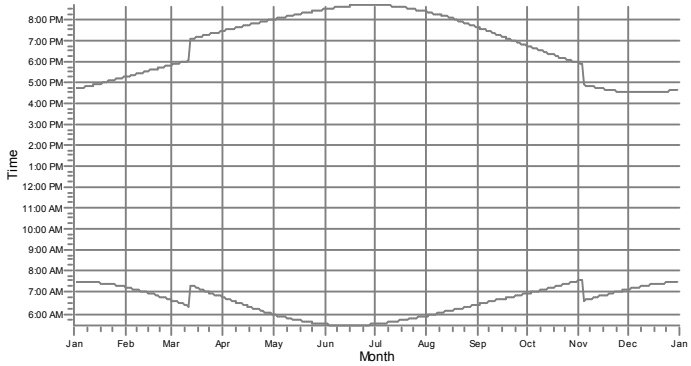
SHADOW - Calendar, graphical

Calculation: Points & Grid

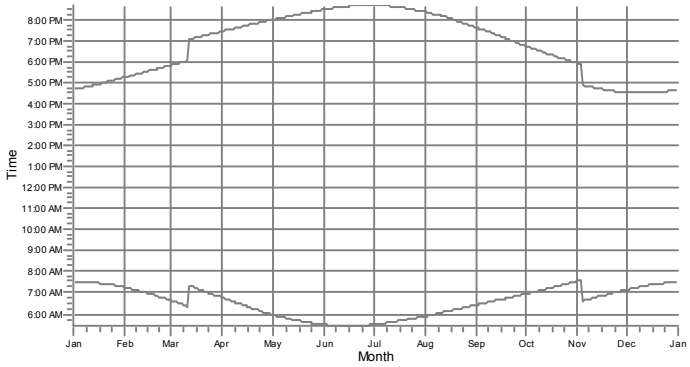
401: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3627)



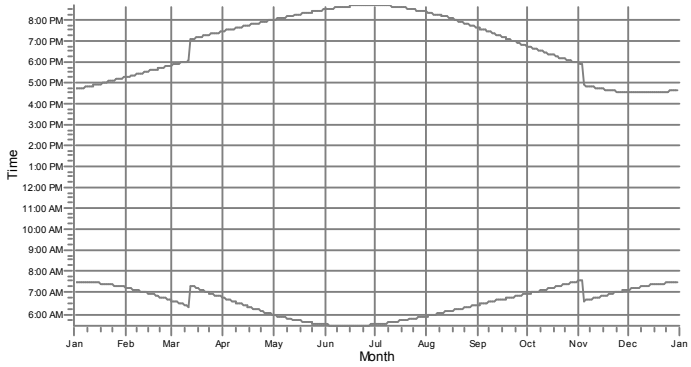
402: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3628)



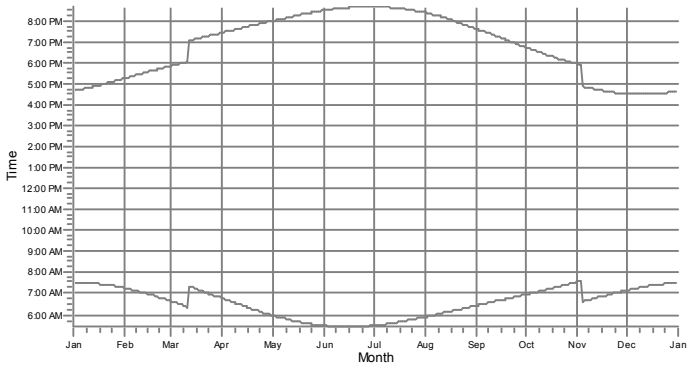
403: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3629)



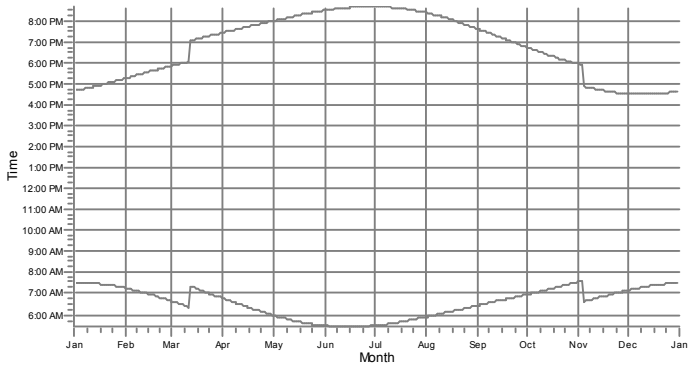
404: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3630)



405: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3631)



406: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3632)



WTGs

5: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (293)

6: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (294)

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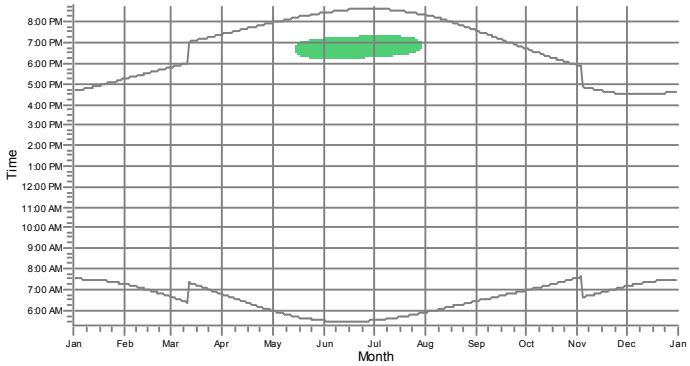
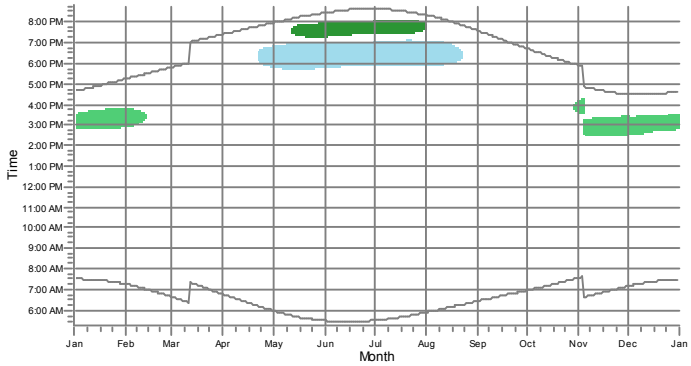
SHADOW - Calendar, graphical

Calculation: Points & Grid

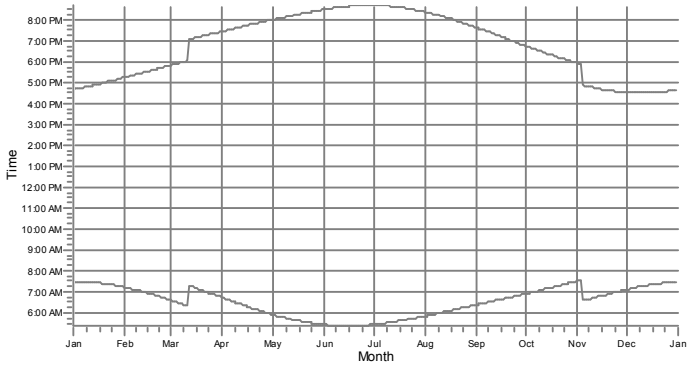
407: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3633)



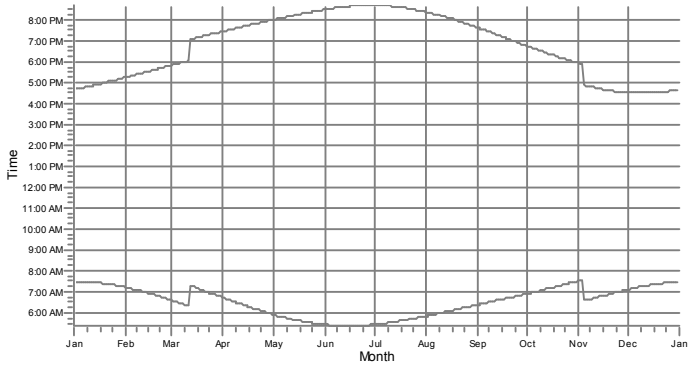
408: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3634)



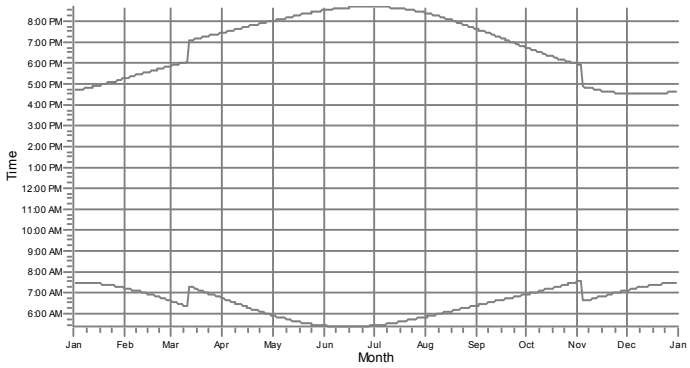
409: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3656)



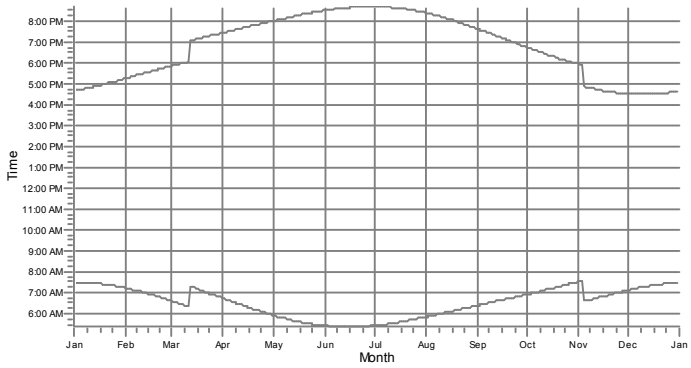
410: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3655)



411: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3654)



412: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3653)



WTGs

33: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (316)
34: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (317)
40: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (322)

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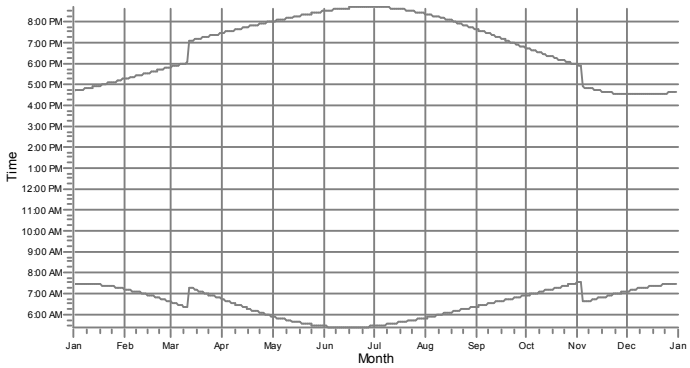
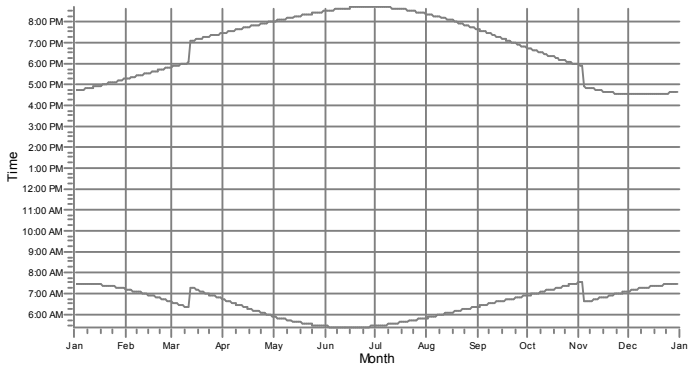
Calculation: Points & Grid

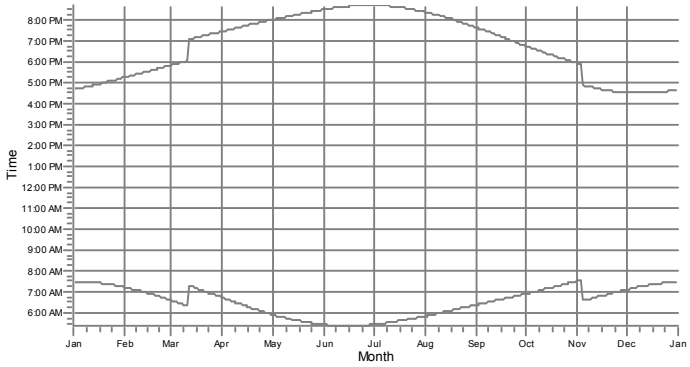
413: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3652)



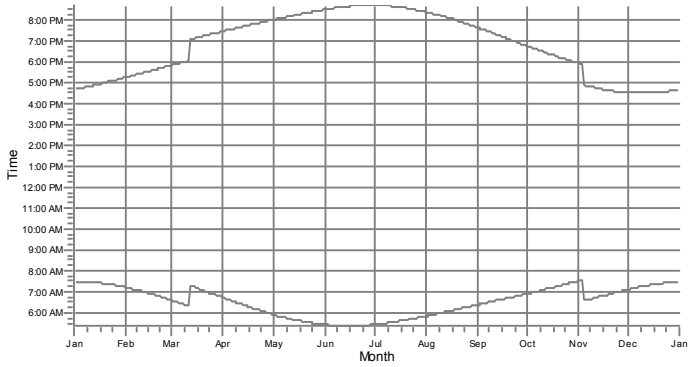
414: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3651)



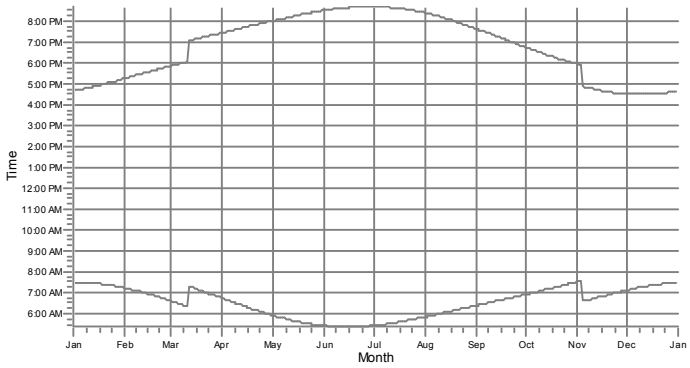
415: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3650)



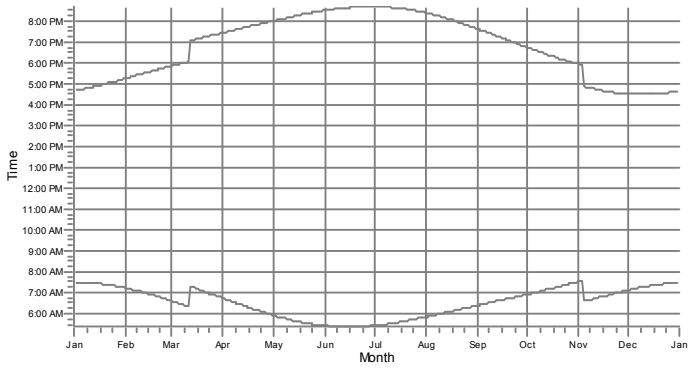
416: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3649)



417: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3648)



418: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3647)



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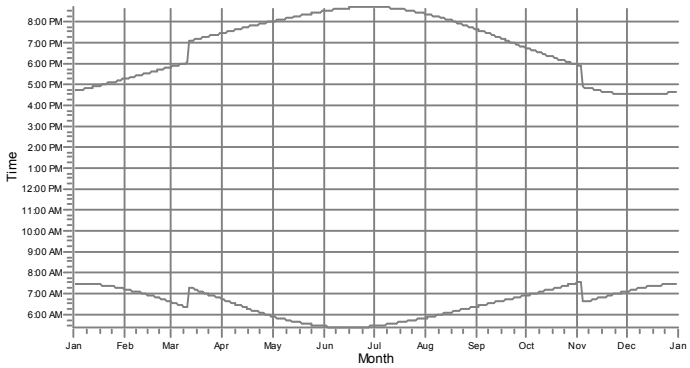
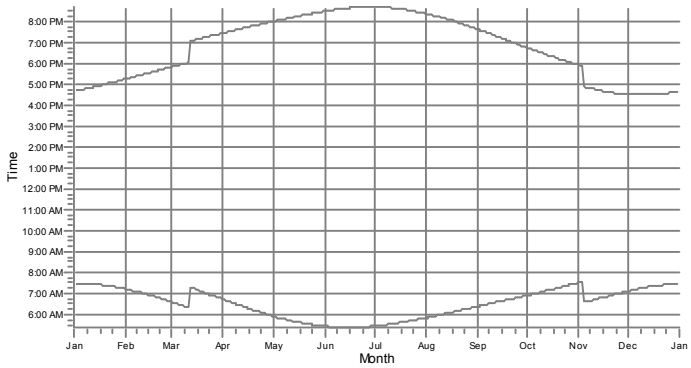
SHADOW - Calendar, graphical

Calculation: Points & Grid

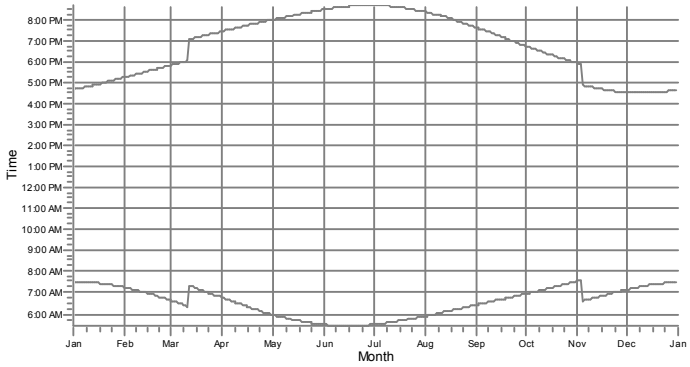
419: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3646)



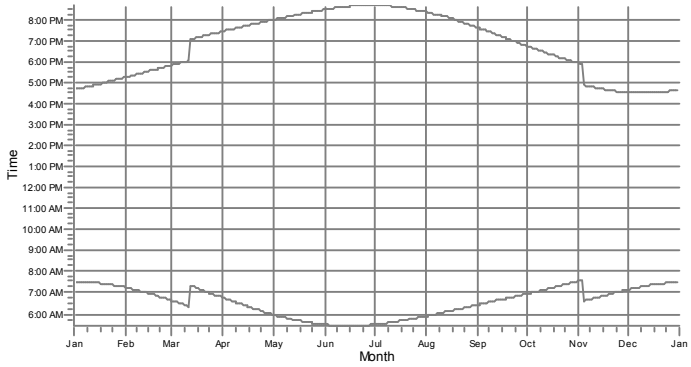
422: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3645)



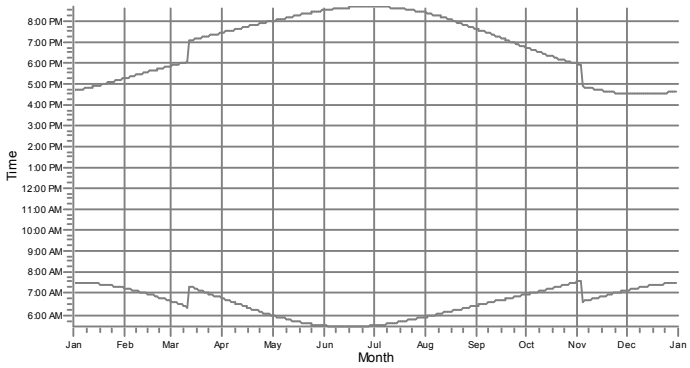
423: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3635)



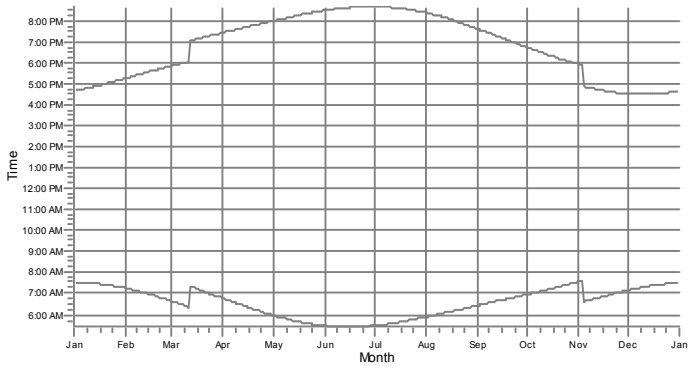
424: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3636)



425: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3637)



426: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3638)



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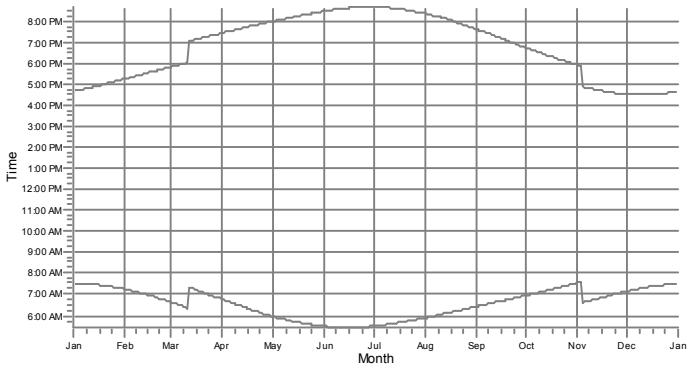
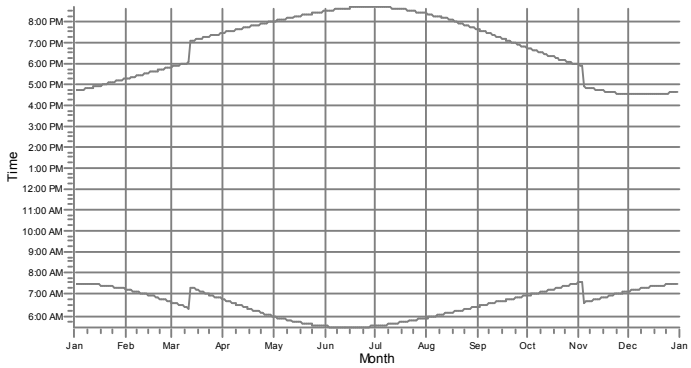
Calculation: Points & Grid

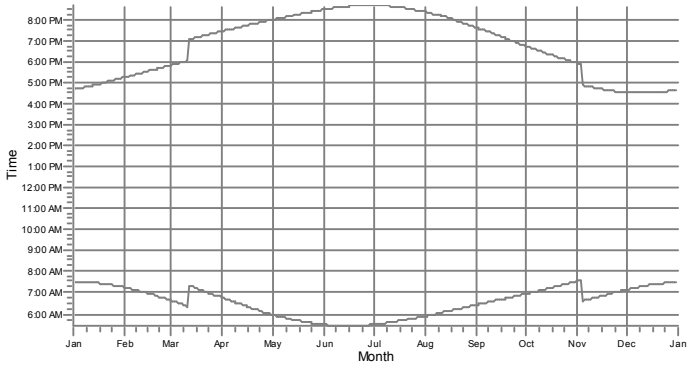
427: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3639)



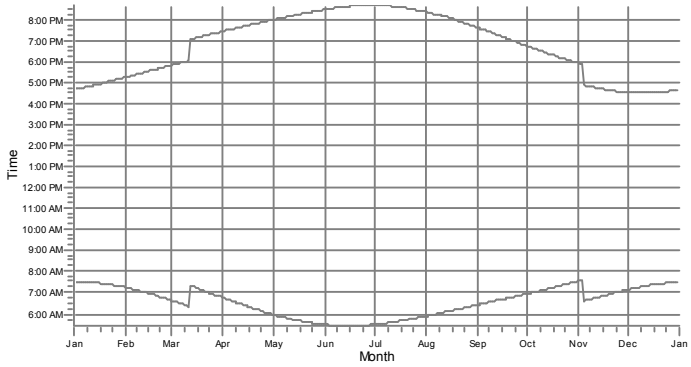
428: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3640)



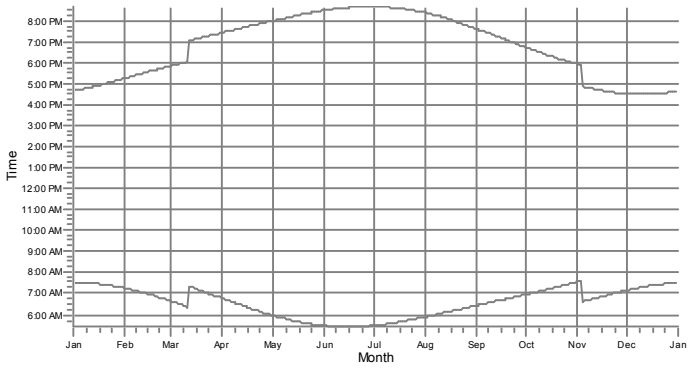
429: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3641)



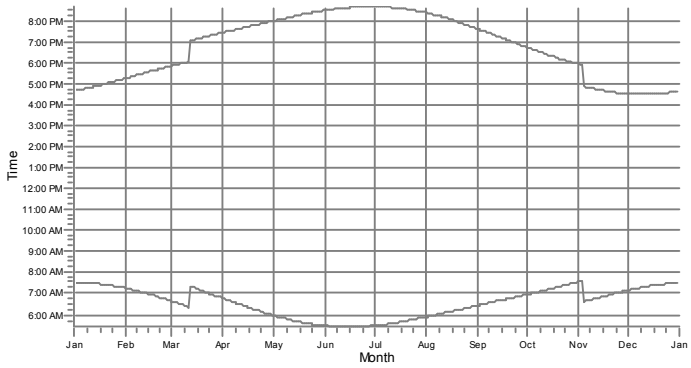
430: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3642)



431: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3643)



432: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3644)



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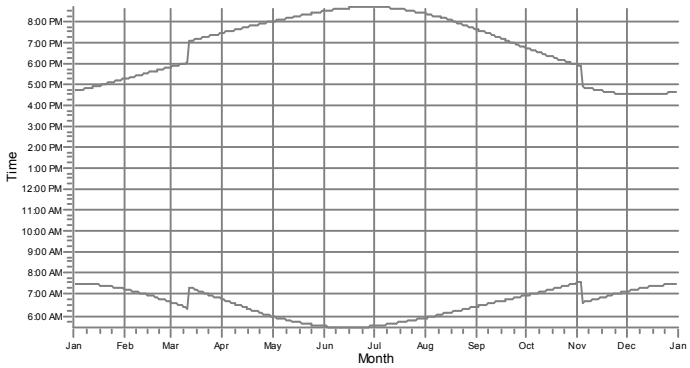
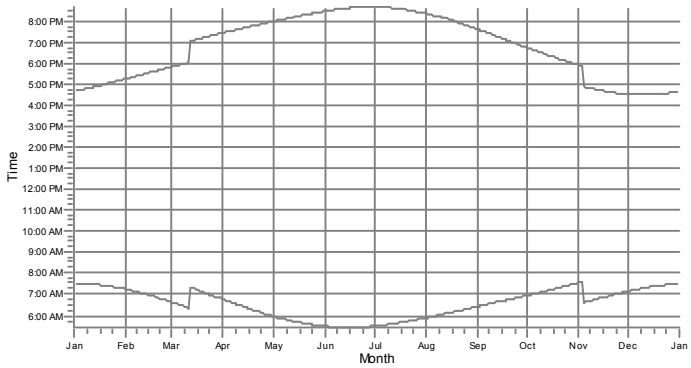
SHADOW - Calendar, graphical

Calculation: Points & Grid

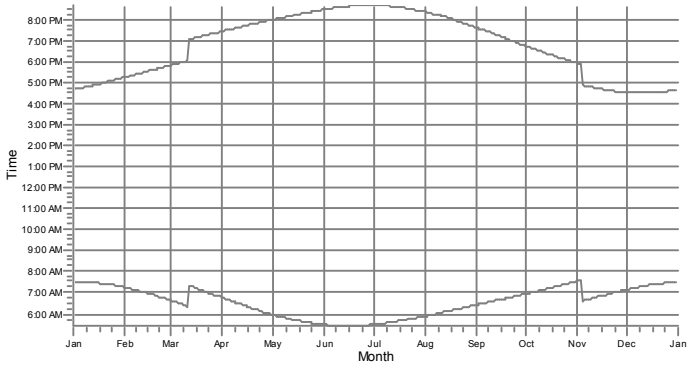
433: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3657)



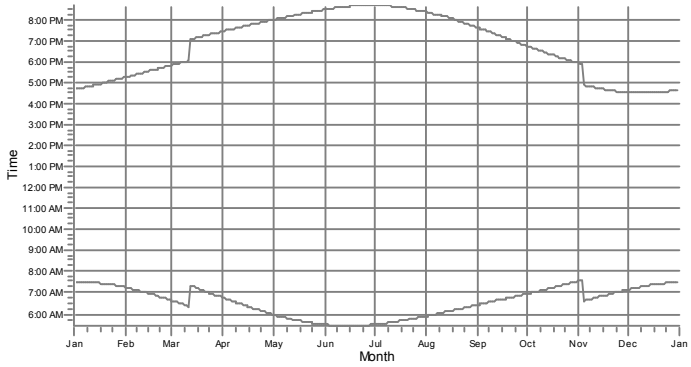
434: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3658)



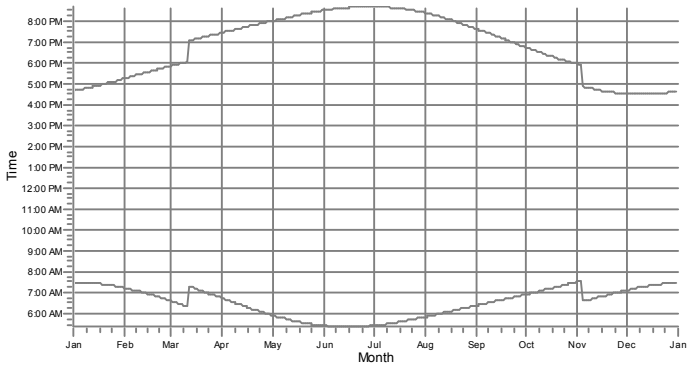
435: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3659)



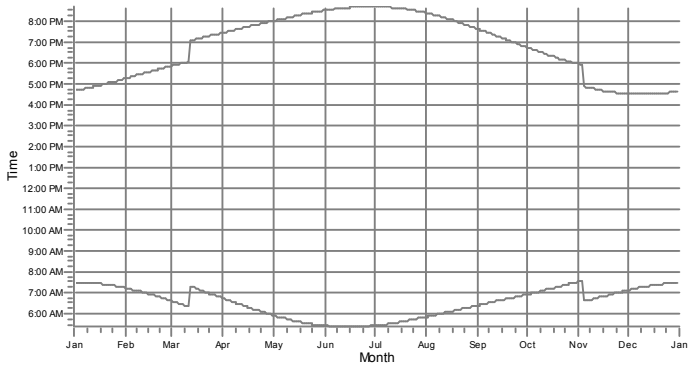
436: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3660)



437: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3661)



438: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3662)



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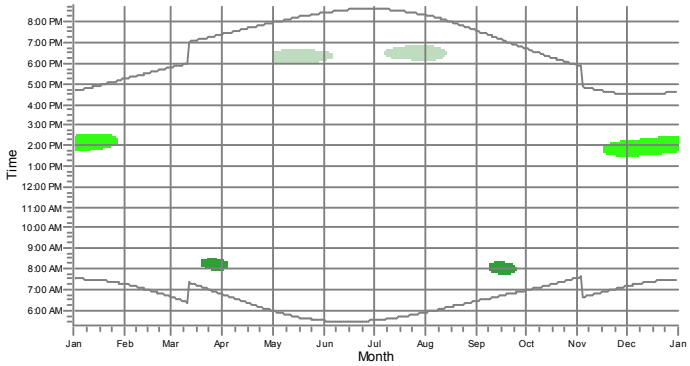
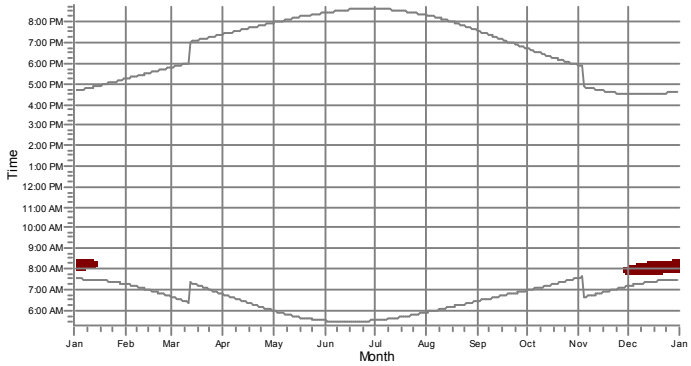
Calculation: Points & Grid

439: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3663)



440: Shadow Receptor: 1.0 × 1.0 Azimuth: 0.0° Slope: 0.0° (3664)



WTGs

- 11: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (297)
- 20: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (303)
- 24: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (307)
- 26: VESTAS V150-4.2 4200 150.0 !O! hub: 130.0 m (TOT: 205.0 m) (309)

Appendix D

Shadow Flicker Modeling Results – Maximum Minutes Per Day & Number of Days Per Year

Table D-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
7	Non-Participating	340,619.01	230,414.74	0:00	0
8	Non-Participating	341,206.90	231,923.63	0:00	0
9	Non-Participating	341,121.66	232,207.19	0:29	91
10	Participating	341,079.81	233,420.36	0:41	140
11	Non-Participating	341,049.27	233,571.17	0:38	132
12	Non-Participating	341,006.81	234,016.54	0:28	139
13	Non-Participating	341,016.71	234,074.59	0:27	114
14	Non-Participating	340,968.84	234,036.14	0:29	142
15	Non-Participating	341,076.95	234,083.32	0:26	107
16	Non-Participating	340,879.71	234,236.86	0:29	81
17	Non-Participating	340,742.44	234,490.20	0:31	77
18	Non-Participating	340,657.22	234,941.38	0:27	90
19	Non-Participating	340,588.07	234,970.56	0:28	74
20	Non-Participating	340,638.92	235,053.44	0:26	53
21	Non-Participating	342,005.50	235,640.05	0:39	109
22	Non-Participating	341,872.67	235,277.59	0:39	54
23	Non-Participating	341,934.99	235,383.33	0:41	53
24	Non-Participating	341,721.59	235,055.03	0:35	66
25	Non-Participating	341,578.11	234,929.83	0:31	93
26	Non-Participating	341,682.02	234,513.38	0:29	91
27	Non-Participating	341,476.66	234,231.74	0:29	41
28	Non-Participating	341,713.34	234,171.52	0:36	115
29	Non-Participating	341,851.95	234,174.27	0:40	75
30	Non-Participating	341,855.46	234,041.23	0:44	61
31	Non-Participating	341,824.93	233,794.99	0:49	64
32	Non-Participating	342,012.49	233,466.68	0:00	0
33	Participating	344,177.40	235,671.76	0:44	142
34	Non-Participating	342,654.65	236,319.69	0:31	96
35	Non-Participating	342,599.16	236,290.69	0:30	106
36	Non-Participating	342,784.48	236,030.56	0:40	139
37	Non-Participating	342,658.75	236,111.13	0:34	116
38	Non-Participating	342,520.52	236,163.69	0:29	88
39	Non-Participating	337,948.82	231,778.99	0:35	50
40	Non-Participating	337,786.46	231,577.83	0:45	60
41	Participating	337,895.35	231,924.61	0:34	85
42	Non-Participating	337,793.49	232,287.20	0:22	66
43	Participating	337,831.92	232,573.72	0:23	37
44	Non-Participating	338,058.38	232,745.47	0:28	39
45	Non-Participating	337,913.04	232,761.35	0:24	34
46	Non-Participating	338,154.23	232,818.74	0:30	40
47	Participating	337,895.97	233,277.19	0:27	79
48	Participating	339,078.04	235,081.18	1:04	180
49	Non-Participating	340,323.61	234,764.77	0:58	89
50	Non-Participating	339,469.06	235,633.18	0:32	100
51	Non-Participating	339,271.45	235,752.24	0:38	57
52	Non-Participating	337,029.73	233,025.30	0:00	0
53	Participating	336,928.74	233,068.67	0:00	0
54	Participating	336,675.58	233,267.47	0:00	0
55	Participating	336,836.24	233,782.14	1:22	139
56	Participating	336,425.06	233,873.49	1:12	177
57	Participating	336,486.51	234,473.33	0:57	162

Table D-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
58	Participating	336,340.64	234,698.00	0:36	215
59	Non-Participating	335,666.14	234,700.67	0:57	186
60	Non-Participating	333,999.20	228,981.15	0:00	0
61	Non-Participating	333,755.57	229,734.57	0:00	0
62	Non-Participating	333,847.32	229,373.27	0:00	0
63	Non-Participating	335,138.86	230,556.19	0:54	109
64	Participating	334,906.39	231,392.04	0:43	142
65	Participating	334,754.48	231,361.92	0:35	56
66	Participating	335,066.82	231,489.07	0:36	134
67	Non-Participating	335,776.17	231,493.65	0:33	127
68	Participating	335,690.38	231,758.87	0:30	41
69	Participating	335,688.52	231,912.75	0:30	38
70	Participating	336,191.79	231,976.63	0:27	66
71	Participating	336,177.55	232,034.57	0:26	52
72	Participating	336,211.03	232,092.03	0:18	27
73	Participating	336,308.92	232,146.29	0:00	0
74	Non-Participating	336,785.25	232,179.98	0:00	0
75	Non-Participating	335,925.26	229,927.91	0:23	40
76	Non-Participating	335,686.43	229,995.80	0:29	59
77	Non-Participating	335,918.39	229,834.92	0:24	53
78	Non-Participating	335,881.54	229,871.20	0:24	52
79	Non-Participating	335,584.73	230,033.94	0:32	68
80	Non-Participating	335,320.05	230,148.41	0:58	104
81	Non-Participating	335,515.98	230,064.52	0:34	78
82	Non-Participating	335,560.99	230,050.90	0:33	68
83	Non-Participating	332,901.42	231,530.67	0:25	77
84	Non-Participating	337,155.97	229,781.81	0:00	0
85	Non-Participating	337,136.59	229,633.36	0:00	0
86	Non-Participating	336,947.73	229,755.79	0:00	0
87	Non-Participating	336,782.70	229,699.82	0:00	0
88	Non-Participating	336,550.90	229,807.21	0:00	0
89	Non-Participating	336,140.59	229,704.67	0:00	0
90	Non-Participating	336,618.43	230,128.16	0:26	58
91	Non-Participating	336,259.64	230,212.38	0:00	0
94	Participating	336,949.89	230,606.28	0:36	48
95	Non-Participating	338,742.06	230,940.07	0:31	38
97	Non-Participating	337,909.23	231,706.50	0:37	52
98	Non-Participating	338,859.13	230,498.68	0:30	46
99	Non-Participating	336,164.15	234,962.10	1:36	215
100	Participating	339,253.95	230,673.50	0:22	28
101	Participating	337,191.41	232,831.80	0:00	0
102	Participating	335,797.20	231,375.53	0:39	188
103	Non-Participating	332,637.99	231,353.47	0:00	0
104	Participating	335,542.47	231,879.12	0:34	57
105	Participating	335,966.89	231,753.98	0:24	66
106	Non-Participating	345,067.46	233,458.47	0:00	0
108	Non-Participating	344,870.69	233,176.87	0:00	0
109	Non-Participating	334,203.96	234,687.99	0:28	37
110	Non-Participating	344,977.78	234,726.38	0:36	100
111	Participating	334,574.05	234,626.42	0:41	54
112	Non-Participating	334,950.38	234,608.63	1:12	148

Table D-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
113	Non-Participating	334,353.04	234,690.06	0:32	42
114	Non-Participating	344,987.88	232,865.77	0:28	51
115	Non-Participating	338,632.36	232,751.57	0:54	111
116	Participating	335,494.72	234,613.35	1:21	190
117	Participating	335,142.48	234,743.07	0:56	80
118	Non-Participating	335,584.82	234,635.80	1:08	200
120	Non-Participating	339,482.91	234,868.46	1:33	173
121	Non-Participating	339,638.33	234,862.63	1:20	214
122	Non-Participating	334,624.66	234,761.27	0:42	68
123	Non-Participating	339,736.51	234,867.53	1:10	230
124	Non-Participating	340,007.16	234,908.55	0:51	181
125	Non-Participating	340,993.89	234,167.74	0:27	104
126	Non-Participating	340,445.02	234,817.50	0:33	90
127	Non-Participating	340,575.54	235,607.14	0:00	0
128	Non-Participating	342,733.56	236,815.89	0:09	13
129	Non-Participating	345,549.53	231,489.59	0:25	62
130	Non-Participating	345,584.55	231,404.78	0:20	39
131	Non-Participating	345,777.42	231,603.52	0:00	0
132	Participating	343,696.12	234,679.31	0:44	174
133	Non-Participating	343,494.66	234,880.42	0:51	135
134	Participating	343,576.49	234,704.89	1:25	157
138	Participating	343,275.28	234,590.37	1:13	174
139	Participating	342,974.92	234,623.28	1:02	146
141	Participating	342,664.93	234,395.97	0:51	64
144	Non-Participating	341,897.78	235,318.44	0:40	53
147	Non-Participating	340,809.21	230,238.36	0:00	0
148	Non-Participating	341,407.60	231,202.37	0:00	0
149	Participating	341,152.14	232,004.80	0:00	0
150	Non-Participating	340,693.19	230,535.73	0:00	0
151	Non-Participating	341,369.51	232,973.70	0:35	103
152	Non-Participating	340,979.59	233,862.74	0:33	164
153	Non-Participating	341,622.77	234,658.38	0:14	22
154	Non-Participating	341,066.41	233,017.48	0:49	151
155	Non-Participating	344,029.65	236,165.66	0:46	69
156	Non-Participating	340,482.25	235,539.69	0:00	0
157	Non-Participating	341,100.85	233,545.46	0:37	130
158	Non-Participating	341,305.07	231,905.58	0:00	0
159	Non-Participating	340,812.42	230,544.35	0:00	0
160	Non-Participating	344,541.82	230,365.07	0:00	0
161	Non-Participating	344,255.60	230,516.44	0:00	0
162	Non-Participating	344,372.76	230,484.95	0:00	0
163	Non-Participating	344,320.07	230,668.28	0:00	0
164	Non-Participating	344,140.90	231,025.41	0:00	0
165	Non-Participating	344,075.91	230,472.46	0:00	0
166	Participating	342,332.55	232,929.63	0:45	120
167	Participating	342,671.36	232,690.59	0:58	124
168	Participating	342,938.87	232,793.74	0:48	118
169	Participating	342,808.80	232,783.79	0:46	116
170	Non-Participating	343,477.72	231,817.82	0:39	99
171	Non-Participating	343,202.37	232,031.90	0:32	104
172	Non-Participating	343,761.03	231,354.62	0:00	0

Table D-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
173	Non-Participating	345,188.05	231,964.06	0:33	48
174	Non-Participating	339,852.67	231,417.16	0:00	0
175	Non-Participating	345,180.52	231,808.74	0:34	68
176	Non-Participating	339,966.86	231,346.11	0:00	0
177	Non-Participating	345,413.96	231,818.19	0:28	44
178	Non-Participating	345,012.80	232,439.17	0:34	84
179	Non-Participating	340,385.40	231,185.05	0:00	0
180	Non-Participating	342,956.89	232,633.22	0:51	173
181	Non-Participating	339,045.58	235,889.18	0:43	67
182	Non-Participating	342,898.74	236,978.73	0:00	0
183	Participating	338,505.60	235,812.05	0:00	0
184	Participating	343,055.87	233,185.69	1:12	210
185	Non-Participating	339,315.79	235,711.42	0:37	52
186	Non-Participating	343,327.72	237,147.27	0:00	0
187	Non-Participating	339,353.98	235,681.81	0:36	64
188	Non-Participating	339,623.53	235,375.44	0:30	82
189	Non-Participating	345,705.71	232,523.62	0:00	0
190	Non-Participating	345,115.72	232,546.57	0:30	43
191	Non-Participating	345,125.98	232,273.64	0:32	40
192	Non-Participating	345,050.58	233,066.89	0:00	0
193	Non-Participating	345,123.85	232,842.60	0:27	76
194	Non-Participating	335,419.22	229,176.86	0:00	0
195	Non-Participating	335,025.84	229,302.51	0:00	0
196	Non-Participating	334,981.10	229,083.45	0:00	0
197	Non-Participating	333,923.45	229,248.37	0:00	0
198	Non-Participating	332,822.67	230,403.22	0:25	43
199	Non-Participating	336,321.22	232,985.79	0:00	0
200	Non-Participating	333,525.42	235,386.75	0:00	0
201	Non-Participating	334,095.49	235,253.68	0:31	109
202	Non-Participating	333,769.80	232,404.10	0:35	96
203	Non-Participating	344,516.83	233,594.15	0:30	78
204	Non-Participating	343,744.53	234,355.93	0:48	133
205	Participating	344,029.89	233,780.62	0:46	76
206	Non-Participating	344,602.35	233,712.48	0:27	167
207	Non-Participating	335,296.04	235,467.48	1:43	148
208	Non-Participating	343,697.30	234,526.86	0:47	110
209	Non-Participating	337,327.53	236,001.35	0:23	41
210	Non-Participating	337,229.49	236,055.82	0:00	0
211	Non-Participating	337,104.28	236,088.28	0:00	0
212	Non-Participating	337,832.56	236,097.90	0:17	24
213	Non-Participating	337,716.99	236,207.28	0:00	0
214	Non-Participating	338,026.44	235,945.98	0:28	36
215	Non-Participating	332,821.87	232,514.92	0:00	0
216	Non-Participating	335,093.90	230,425.80	0:56	150
217	Non-Participating	335,198.91	230,232.82	1:26	119
218	Non-Participating	335,008.66	230,661.24	0:56	132
219	Non-Participating	335,622.68	229,966.54	0:30	90
220	Non-Participating	337,411.59	231,725.22	1:18	58
221	Participating	342,013.52	235,093.05	0:50	106
222	Participating	338,873.00	232,058.55	0:00	0
223	Non-Participating	333,795.83	229,505.84	0:00	0

Table D-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
224	Non-Participating	334,970.68	229,357.17	0:00	0
225	Non-Participating	334,891.17	229,376.02	0:00	0
226	Non-Participating	334,882.71	229,348.13	0:00	0
227	Non-Participating	334,857.65	229,329.64	0:00	0
228	Non-Participating	333,969.22	229,358.27	0:00	0
229	Non-Participating	335,368.15	229,076.42	0:00	0
230	Non-Participating	335,325.82	229,037.26	0:00	0
231	Non-Participating	335,306.55	229,030.72	0:00	0
232	Non-Participating	335,276.28	229,015.03	0:00	0
233	Non-Participating	335,381.12	229,089.12	0:00	0
234	Non-Participating	335,414.52	229,134.43	0:00	0
235	Non-Participating	335,585.84	229,209.17	0:00	0
236	Non-Participating	335,484.58	229,197.64	0:00	0
237	Non-Participating	335,463.14	229,189.99	0:00	0
238	Non-Participating	335,443.62	229,217.77	0:00	0
239	Non-Participating	335,443.96	229,235.63	0:00	0
240	Non-Participating	335,486.95	229,243.90	0:00	0
241	Non-Participating	335,447.92	229,262.09	0:00	0
242	Non-Participating	335,442.96	229,286.23	0:00	0
243	Non-Participating	335,431.06	229,309.38	0:00	0
244	Non-Participating	335,425.43	229,336.50	0:00	0
245	Non-Participating	335,414.52	229,358.66	0:00	0
246	Non-Participating	335,408.57	229,381.48	0:00	0
247	Non-Participating	335,445.94	229,401.00	0:00	0
248	Non-Participating	335,399.24	229,408.04	0:00	0
249	Non-Participating	335,387.44	229,457.32	0:00	0
250	Non-Participating	335,201.53	229,457.55	0:00	0
251	Non-Participating	335,198.55	229,438.70	0:00	0
252	Non-Participating	335,189.95	229,407.94	0:00	0
253	Non-Participating	335,187.64	229,343.45	0:00	0
254	Non-Participating	335,181.03	229,317.65	0:00	0
255	Non-Participating	335,181.03	229,297.48	0:00	0
256	Non-Participating	335,153.24	229,342.46	0:00	0
257	Non-Participating	335,132.08	229,473.43	0:00	0
258	Non-Participating	335,137.37	229,451.60	0:00	0
259	Non-Participating	335,125.79	229,403.64	0:00	0
260	Non-Participating	335,101.98	229,412.24	0:00	0
261	Non-Participating	335,093.71	229,465.16	0:00	0
262	Non-Participating	335,096.03	229,370.57	0:00	0
263	Participating	336,458.19	233,835.69	1:08	167
264	Non-Participating	336,925.47	233,356.50	0:00	0
265	Participating	335,594.53	231,977.29	0:33	44
266	Participating	335,581.27	231,815.28	0:33	61
267	Participating	335,600.26	231,705.96	0:33	71
268	Participating	334,575.26	231,537.14	1:06	70
269	Non-Participating	334,981.61	229,433.51	0:00	0
271	Non-Participating	335,059.75	229,472.58	0:00	0
272	Non-Participating	335,050.02	229,330.04	0:00	0
273	Non-Participating	335,058.44	229,312.88	0:00	0
274	Non-Participating	334,991.91	229,284.75	0:00	0
275	Non-Participating	334,920.32	229,255.01	0:00	0

Table D-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
276	Non-Participating	334,914.58	229,323.11	0:00	0
277	Non-Participating	335,011.36	229,183.68	0:00	0
278	Non-Participating	334,992.01	229,180.10	0:00	0
279	Non-Participating	334,974.44	229,182.25	0:00	0
280	Non-Participating	334,992.36	229,217.02	0:00	0
281	Non-Participating	335,019.96	229,224.19	0:00	0
282	Non-Participating	335,079.46	229,207.34	0:00	0
283	Non-Participating	335,116.38	229,263.25	0:00	0
284	Non-Participating	335,073.45	229,251.31	0:00	0
285	Non-Participating	335,069.77	229,292.06	0:00	0
286	Non-Participating	335,139.17	229,215.50	0:00	0
287	Non-Participating	335,342.55	229,049.63	0:00	0
288	Non-Participating	335,293.45	229,014.86	0:00	0
289	Non-Participating	337,610.78	232,421.85	0:00	0
290	Participating	336,940.17	233,497.06	0:32	79
291	Non-Participating	338,860.88	230,343.97	0:30	90
292	Non-Participating	338,925.12	230,244.29	0:29	68
293	Non-Participating	339,141.92	230,235.71	0:24	56
296	Non-Participating	339,239.93	229,918.40	0:00	0
303	Non-Participating	340,627.37	230,287.76	0:00	0
304	Non-Participating	340,531.02	230,315.72	0:00	0
305	Non-Participating	340,588.33	230,360.86	0:00	0
306	Non-Participating	342,938.03	236,918.46	0:00	0
307	Non-Participating	345,406.15	235,618.42	0:00	0
308	Non-Participating	345,292.80	234,930.55	0:27	34
309	Non-Participating	344,892.19	234,722.46	0:39	88
310	Non-Participating	345,045.34	234,496.63	0:00	0
311	Non-Participating	344,972.16	233,663.75	0:21	27
312	Non-Participating	344,897.12	233,619.17	0:23	28
313	Non-Participating	344,874.70	233,150.13	0:00	0
314	Non-Participating	344,979.36	233,176.72	0:22	32
315	Non-Participating	345,486.60	231,384.20	0:00	0
316	Non-Participating	345,626.42	231,265.97	0:00	0
317	Non-Participating	345,594.03	231,344.33	0:00	0
318	Non-Participating	345,623.65	231,092.92	0:00	0
319	Non-Participating	344,448.58	230,384.67	0:00	0
320	Non-Participating	343,732.02	231,504.09	0:00	0
321	Non-Participating	343,807.33	231,352.64	0:00	0
322	Non-Participating	343,778.26	231,422.96	0:00	0
323	Non-Participating	343,747.52	231,399.98	0:00	0
324	Non-Participating	338,745.15	230,705.29	0:32	43
325	Non-Participating	345,327.67	234,867.94	0:26	35
326	Non-Participating	345,361.76	235,096.64	0:25	32
327	Non-Participating	345,486.92	235,529.50	0:00	0
328	Non-Participating	345,508.13	235,479.18	0:00	0
329	Non-Participating	345,488.17	235,645.09	0:00	0
336	Non-Participating	344,283.22	230,858.86	0:00	0
337	Non-Participating	335,063.07	229,058.63	0:00	0
338	Non-Participating	335,076.21	229,049.17	0:00	0
339	Non-Participating	335,105.13	229,033.13	0:00	0
340	Non-Participating	335,118.53	229,027.88	0:00	0

Table D-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
341	Non-Participating	335,141.40	229,010.79	0:00	0
342	Non-Participating	335,133.85	229,020.37	0:00	0
343	Non-Participating	335,158.48	229,000.81	0:00	0
344	Non-Participating	335,161.11	228,983.20	0:00	0
345	Non-Participating	335,165.58	228,970.58	0:00	0
347	Participating	342,982.73	232,934.90	0:49	117
348	Non-Participating	344,422.24	235,727.15	0:33	86
349	Participating	344,265.39	235,331.48	1:06	159
350	Non-Participating	335,034.93	229,007.57	0:00	0
351	Non-Participating	345,006.87	233,113.24	0:22	34
353	Non-Participating	344,918.82	234,567.99	0:00	0
354	Non-Participating	344,495.84	233,600.35	0:30	76
355	Non-Participating	344,024.23	233,828.84	0:45	152
356	Participating	343,702.13	234,287.71	0:53	136
357	Participating	343,113.63	234,584.82	1:13	171
360	Non-Participating	341,011.74	234,032.89	0:28	127
361	Non-Participating	340,703.75	234,900.99	0:27	101
362	Participating	338,345.89	233,030.41	0:34	44
363	Participating	336,130.87	234,286.29	1:07	187
364	Non-Participating	333,810.00	229,622.00	0:00	0
365	Non-Participating	335,449.32	229,173.95	0:00	0
366	Non-Participating	334,957.44	229,211.36	0:00	0
367	Non-Participating	335,143.74	229,291.99	0:00	0
368	Non-Participating	335,089.70	229,329.51	0:00	0
369	Non-Participating	336,217.08	229,757.63	0:00	0
370	Non-Participating	337,013.01	229,595.84	0:00	0
371	Participating	335,656.83	231,843.96	0:31	53
372	Participating	335,654.04	231,694.20	0:31	68
373	Non-Participating	345,194.33	232,633.78	0:28	43
374	Non-Participating	345,441.19	235,075.17	0:23	29
377	Non-Participating	340,416.62	230,703.35	0:00	0
378	Non-Participating	337,408.76	236,027.93	0:24	51
379	Non-Participating	337,415.28	236,162.68	0:24	61
380	Non-Participating	338,243.81	235,988.41	0:00	0
381	Non-Participating	338,219.93	235,798.87	0:47	58
382	Non-Participating	334,962.23	229,267.84	0:00	0
385	Non-Participating	337,015.73	236,271.48	0:00	0
386	Non-Participating	337,446.94	236,180.49	0:24	54
387	Non-Participating	337,687.63	236,115.76	0:27	47
388	Non-Participating	340,623.75	234,937.34	0:27	89
389	Non-Participating	341,051.54	234,075.51	0:27	112
390	Participating	340,833.84	233,719.46	0:41	135
391	Non-Participating	344,183.74	230,356.78	0:00	0
392	Participating	344,124.42	235,688.44	0:47	159
393	Participating	342,660.39	232,660.56	1:00	128
394	Non-Participating	340,621.60	234,929.14	0:27	88
395	Non-Participating	345,501.77	235,060.08	0:22	28
400	Non-Participating	338,199.16	232,479.56	0:32	68
401	Participating	335,656.19	231,874.96	0:31	50
402	Non-Participating	335,477.50	229,219.02	0:00	0
403	Non-Participating	335,473.51	229,262.07	0:00	0

Table D-1: Shadow Flicker Modeling Results (GE3.8-137) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
404	Non-Participating	335,268.04	228,984.41	0:00	0
405	Non-Participating	335,411.54	229,146.82	0:00	0
406	Non-Participating	335,193.90	229,392.40	0:00	0
407	Non-Participating	344,177.55	232,529.49	0:48	72
408	Participating	344,054.32	233,223.52	1:26	221
409	Non-Participating	338,424.04	236,725.09	0:00	0
410	Non-Participating	339,182.66	236,713.13	0:00	0
411	Non-Participating	339,596.75	236,334.92	0:00	0
412	Non-Participating	339,677.98	236,287.76	0:00	0
413	Non-Participating	342,550.55	236,953.57	0:00	0
414	Non-Participating	342,436.58	237,086.18	0:00	0
415	Non-Participating	342,699.73	237,031.77	0:00	0
416	Non-Participating	342,904.14	237,045.50	0:00	0
417	Non-Participating	342,982.14	237,171.00	0:00	0
418	Non-Participating	343,027.39	237,230.08	0:00	0
419	Non-Participating	343,238.22	237,404.60	0:00	0
422	Non-Participating	343,226.75	237,472.54	0:00	0
423	Non-Participating	335,373.54	228,881.72	0:00	0
424	Non-Participating	335,399.08	228,865.72	0:00	0
425	Non-Participating	335,580.04	228,817.52	0:00	0
426	Non-Participating	335,503.15	228,822.61	0:00	0
427	Non-Participating	335,319.25	228,953.71	0:00	0
428	Non-Participating	335,284.40	228,933.03	0:00	0
429	Non-Participating	335,223.24	228,930.42	0:00	0
430	Non-Participating	335,245.61	228,965.24	0:00	0
431	Non-Participating	335,257.51	228,973.94	0:00	0
432	Non-Participating	335,237.55	228,942.96	0:00	0
433	Non-Participating	335,259.98	228,881.12	0:00	0
434	Non-Participating	335,174.94	228,935.63	0:00	0
435	Non-Participating	335,455.48	229,370.18	0:00	0
436	Non-Participating	334,845.20	229,337.96	0:00	0
437	Non-Participating	336,810.77	235,834.82	0:00	0
438	Non-Participating	336,415.85	236,151.48	0:00	0
439	Non-Participating	340,963.13	233,791.22	0:36	160
440	Non-Participating	336,163.73	232,070.18	0:25	44

Table D-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
7	Non-Participating	340,619.01	230,414.74	0:00	0
8	Non-Participating	341,206.90	231,923.63	0:00	0
9	Non-Participating	341,121.66	232,207.19	0:32	94
10	Participating	341,079.81	233,420.36	0:44	156
11	Non-Participating	341,049.27	233,571.17	0:42	148
12	Non-Participating	341,006.81	234,016.54	0:30	161
13	Non-Participating	341,016.71	234,074.59	0:30	126
14	Non-Participating	340,968.84	234,036.14	0:32	159
15	Non-Participating	341,076.95	234,083.32	0:29	117
16	Non-Participating	340,879.71	234,236.86	0:32	89
17	Non-Participating	340,742.44	234,490.20	0:34	84
18	Non-Participating	340,657.22	234,941.38	0:30	97
19	Non-Participating	340,588.07	234,970.56	0:30	81
20	Non-Participating	340,638.92	235,053.44	0:28	63
21	Non-Participating	342,005.50	235,640.05	0:42	121
22	Non-Participating	341,872.67	235,277.59	0:43	59
23	Non-Participating	341,934.99	235,383.33	0:45	57
24	Non-Participating	341,721.59	235,055.03	0:39	75
25	Non-Participating	341,578.11	234,929.83	0:34	96
26	Non-Participating	341,682.02	234,513.38	0:32	98
27	Non-Participating	341,476.66	234,231.74	0:32	46
28	Non-Participating	341,713.34	234,171.52	0:39	120
29	Non-Participating	341,851.95	234,174.27	0:44	86
30	Non-Participating	341,855.46	234,041.23	0:48	67
31	Non-Participating	341,824.93	233,794.99	0:54	69
32	Non-Participating	342,012.49	233,466.68	0:00	0
33	Participating	344,177.40	235,671.76	0:48	163
34	Non-Participating	342,654.65	236,319.69	0:34	103
35	Non-Participating	342,599.16	236,290.69	0:33	112
36	Non-Participating	342,784.48	236,030.56	0:44	146
37	Non-Participating	342,658.75	236,111.13	0:37	135
38	Non-Participating	342,520.52	236,163.69	0:32	98
39	Non-Participating	337,948.82	231,778.99	0:38	56
40	Non-Participating	337,786.46	231,577.83	0:50	66
41	Participating	337,895.35	231,924.61	0:37	96
42	Non-Participating	337,793.49	232,287.20	0:25	70
43	Participating	337,831.92	232,573.72	0:25	41
44	Non-Participating	338,058.38	232,745.47	0:30	43
45	Non-Participating	337,913.04	232,761.35	0:27	37
46	Non-Participating	338,154.23	232,818.74	0:32	44
47	Participating	337,895.97	233,277.19	0:30	87
48	Participating	339,078.04	235,081.18	1:10	200
49	Non-Participating	340,323.61	234,764.77	1:04	97
50	Non-Participating	339,469.06	235,633.18	0:36	106
51	Non-Participating	339,271.45	235,752.24	0:41	63
52	Non-Participating	337,029.73	233,025.30	0:00	0
53	Participating	336,928.74	233,068.67	0:00	0
54	Participating	336,675.58	233,267.47	0:00	0
55	Participating	336,836.24	233,782.14	1:32	153
56	Participating	336,425.06	233,873.49	1:24	179
57	Participating	336,486.51	234,473.33	1:05	168
58	Participating	336,340.64	234,698.00	0:43	224
59	Non-Participating	335,666.14	234,700.67	1:02	195
60	Non-Participating	333,999.20	228,981.15	0:00	0

Table D-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
61	Non-Participating	333,755.57	229,734.57	0:00	0
62	Non-Participating	333,847.32	229,373.27	0:00	0
63	Non-Participating	335,138.86	230,556.19	0:59	120
64	Participating	334,906.39	231,392.04	0:47	148
65	Participating	334,754.48	231,361.92	0:38	60
66	Participating	335,066.82	231,489.07	0:39	143
67	Non-Participating	335,776.17	231,493.65	0:36	135
68	Participating	335,690.38	231,758.87	0:33	45
69	Participating	335,688.52	231,912.75	0:33	42
70	Participating	336,191.79	231,976.63	0:29	68
71	Participating	336,177.55	232,034.57	0:28	55
72	Participating	336,211.03	232,092.03	0:22	32
73	Participating	336,308.92	232,146.29	0:00	0
74	Non-Participating	336,785.25	232,179.98	0:00	0
75	Non-Participating	335,925.26	229,927.91	0:26	44
76	Non-Participating	335,686.43	229,995.80	0:31	66
77	Non-Participating	335,918.39	229,834.92	0:26	58
78	Non-Participating	335,881.54	229,871.20	0:27	58
79	Non-Participating	335,584.73	230,033.94	0:34	76
80	Non-Participating	335,320.05	230,148.41	1:05	108
81	Non-Participating	335,515.98	230,064.52	0:37	89
82	Non-Participating	335,560.99	230,050.90	0:35	76
83	Non-Participating	332,901.42	231,530.67	0:27	85
84	Non-Participating	337,155.97	229,781.81	0:00	0
85	Non-Participating	337,136.59	229,633.36	0:00	0
86	Non-Participating	336,947.73	229,755.79	0:00	0
87	Non-Participating	336,782.70	229,699.82	0:00	0
88	Non-Participating	336,550.90	229,807.21	0:00	0
89	Non-Participating	336,140.59	229,704.67	0:00	0
90	Non-Participating	336,618.43	230,128.16	0:29	64
91	Non-Participating	336,259.64	230,212.38	0:00	0
94	Participating	336,949.89	230,606.28	0:39	54
95	Non-Participating	338,742.06	230,940.07	0:34	43
97	Non-Participating	337,909.23	231,706.50	0:41	58
98	Non-Participating	338,859.13	230,498.68	0:33	53
99	Non-Participating	336,164.15	234,962.10	1:46	235
100	Participating	339,253.95	230,673.50	0:24	31
101	Participating	337,191.41	232,831.80	0:00	0
102	Participating	335,797.20	231,375.53	0:43	209
103	Non-Participating	332,637.99	231,353.47	0:00	0
104	Participating	335,542.47	231,879.12	0:38	60
105	Participating	335,966.89	231,753.98	0:26	73
106	Non-Participating	345,067.46	233,458.47	0:00	0
108	Non-Participating	344,870.69	233,176.87	0:00	0
109	Non-Participating	334,203.96	234,687.99	0:31	41
110	Non-Participating	344,977.78	234,726.38	0:38	103
111	Participating	334,574.05	234,626.42	0:45	58
112	Non-Participating	334,950.38	234,608.63	1:26	151
113	Non-Participating	334,353.04	234,690.06	0:35	47
114	Non-Participating	344,987.88	232,865.77	0:31	54
115	Non-Participating	338,632.36	232,751.57	0:59	139
116	Participating	335,494.72	234,613.35	1:29	199
117	Participating	335,142.48	234,743.07	1:05	88
118	Non-Participating	335,584.82	234,635.80	1:14	212

Table D-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
120	Non-Participating	339,482.91	234,868.46	1:42	188
121	Non-Participating	339,638.33	234,862.63	1:30	223
122	Non-Participating	334,624.66	234,761.27	0:45	75
123	Non-Participating	339,736.51	234,867.53	1:21	238
124	Non-Participating	340,007.16	234,908.55	1:00	205
125	Non-Participating	340,993.89	234,167.74	0:30	114
126	Non-Participating	340,445.02	234,817.50	0:36	95
127	Non-Participating	340,575.54	235,607.14	0:00	0
128	Non-Participating	342,733.56	236,815.89	0:14	20
129	Non-Participating	345,549.53	231,489.59	0:27	64
130	Non-Participating	345,584.55	231,404.78	0:24	44
131	Non-Participating	345,777.42	231,603.52	0:00	0
132	Participating	343,696.12	234,679.31	0:48	178
133	Non-Participating	343,494.66	234,880.42	0:59	147
134	Participating	343,576.49	234,704.89	1:34	166
138	Participating	343,275.28	234,590.37	1:19	182
139	Participating	342,974.92	234,623.28	1:08	154
141	Participating	342,664.93	234,395.97	0:55	70
144	Non-Participating	341,897.78	235,318.44	0:44	58
147	Non-Participating	340,809.21	230,238.36	0:00	0
148	Non-Participating	341,407.60	231,202.37	0:00	0
149	Participating	341,152.14	232,004.80	0:00	0
150	Non-Participating	340,693.19	230,535.73	0:00	0
151	Non-Participating	341,369.51	232,973.70	0:38	112
152	Non-Participating	340,979.59	233,862.74	0:36	180
153	Non-Participating	341,622.77	234,658.38	0:18	27
154	Non-Participating	341,066.41	233,017.48	0:54	158
155	Non-Participating	344,029.65	236,165.66	0:50	76
156	Non-Participating	340,482.25	235,539.69	0:00	0
157	Non-Participating	341,100.85	233,545.46	0:41	142
158	Non-Participating	341,305.07	231,905.58	0:00	0
159	Non-Participating	340,812.42	230,544.35	0:00	0
160	Non-Participating	344,541.82	230,365.07	0:00	0
161	Non-Participating	344,255.60	230,516.44	0:00	0
162	Non-Participating	344,372.76	230,484.95	0:00	0
163	Non-Participating	344,320.07	230,668.28	0:00	0
164	Non-Participating	344,140.90	231,025.41	0:00	0
165	Non-Participating	344,075.91	230,472.46	0:00	0
166	Participating	342,332.55	232,929.63	0:55	137
167	Participating	342,671.36	232,690.59	1:03	137
168	Participating	342,938.87	232,793.74	0:53	129
169	Participating	342,808.80	232,783.79	0:50	129
170	Non-Participating	343,477.72	231,817.82	0:43	110
171	Non-Participating	343,202.37	232,031.90	0:35	112
172	Non-Participating	343,761.03	231,354.62	0:00	0
173	Non-Participating	345,188.05	231,964.06	0:37	52
174	Non-Participating	339,852.67	231,417.16	0:00	0
175	Non-Participating	345,180.52	231,808.74	0:38	74
176	Non-Participating	339,966.86	231,346.11	0:00	0
177	Non-Participating	345,413.96	231,818.19	0:30	48
178	Non-Participating	345,012.80	232,439.17	0:37	92
179	Non-Participating	340,385.40	231,185.05	0:00	0
180	Non-Participating	342,956.89	232,633.22	0:56	183
181	Non-Participating	339,045.58	235,889.18	0:47	70

Table D-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
182	Non-Participating	342,898.74	236,978.73	0:00	0
183	Participating	338,505.60	235,812.05	0:00	0
184	Participating	343,055.87	233,185.69	1:20	218
185	Non-Participating	339,315.79	235,711.42	0:40	57
186	Non-Participating	343,327.72	237,147.27	0:00	0
187	Non-Participating	339,353.98	235,681.81	0:39	75
188	Non-Participating	339,623.53	235,375.44	0:32	90
189	Non-Participating	345,705.71	232,523.62	0:00	0
190	Non-Participating	345,115.72	232,546.57	0:33	46
191	Non-Participating	345,125.98	232,273.64	0:35	44
192	Non-Participating	345,050.58	233,066.89	0:00	0
193	Non-Participating	345,123.85	232,842.60	0:29	77
194	Non-Participating	335,419.22	229,176.86	0:00	0
195	Non-Participating	335,025.84	229,302.51	0:00	0
196	Non-Participating	334,981.10	229,083.45	0:00	0
197	Non-Participating	333,923.45	229,248.37	0:00	0
198	Non-Participating	332,822.67	230,403.22	0:27	47
199	Non-Participating	336,321.22	232,985.79	0:00	0
200	Non-Participating	333,525.42	235,386.75	0:00	0
201	Non-Participating	334,095.49	235,253.68	0:33	115
202	Non-Participating	333,769.80	232,404.10	0:39	105
203	Non-Participating	344,516.83	233,594.15	0:33	86
204	Non-Participating	343,744.53	234,355.93	0:53	156
205	Participating	344,029.89	233,780.62	0:50	102
206	Non-Participating	344,602.35	233,712.48	0:30	183
207	Non-Participating	335,296.04	235,467.48	1:54	152
208	Non-Participating	343,697.30	234,526.86	0:52	119
209	Non-Participating	337,327.53	236,001.35	0:25	45
210	Non-Participating	337,229.49	236,055.82	0:00	0
211	Non-Participating	337,104.28	236,088.28	0:00	0
212	Non-Participating	337,832.56	236,097.90	0:21	29
213	Non-Participating	337,716.99	236,207.28	0:00	0
214	Non-Participating	338,026.44	235,945.98	0:32	41
215	Non-Participating	332,821.87	232,514.92	0:00	0
216	Non-Participating	335,093.90	230,425.80	1:01	165
217	Non-Participating	335,198.91	230,232.82	1:37	123
218	Non-Participating	335,008.66	230,661.24	1:02	145
219	Non-Participating	335,622.68	229,966.54	0:33	92
220	Non-Participating	337,411.59	231,725.22	1:28	63
221	Participating	342,013.52	235,093.05	0:55	160
222	Participating	338,873.00	232,058.55	0:00	0
223	Non-Participating	333,795.83	229,505.84	0:00	0
224	Non-Participating	334,970.68	229,357.17	0:00	0
225	Non-Participating	334,891.17	229,376.02	0:00	0
226	Non-Participating	334,882.71	229,348.13	0:00	0
227	Non-Participating	334,857.65	229,329.64	0:00	0
228	Non-Participating	333,969.22	229,358.27	0:00	0
229	Non-Participating	335,368.15	229,076.42	0:00	0
230	Non-Participating	335,325.82	229,037.26	0:00	0
231	Non-Participating	335,306.55	229,030.72	0:00	0
232	Non-Participating	335,276.28	229,015.03	0:00	0
233	Non-Participating	335,381.12	229,089.12	0:00	0
234	Non-Participating	335,414.52	229,134.43	0:00	0
235	Non-Participating	335,585.84	229,209.17	0:00	0

Table D-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
236	Non-Participating	335,484.58	229,197.64	0:00	0
237	Non-Participating	335,463.14	229,189.99	0:00	0
238	Non-Participating	335,443.62	229,217.77	0:00	0
239	Non-Participating	335,443.96	229,235.63	0:00	0
240	Non-Participating	335,486.95	229,243.90	0:00	0
241	Non-Participating	335,447.92	229,262.09	0:00	0
242	Non-Participating	335,442.96	229,286.23	0:00	0
243	Non-Participating	335,431.06	229,309.38	0:00	0
244	Non-Participating	335,425.43	229,336.50	0:00	0
245	Non-Participating	335,414.52	229,358.66	0:00	0
246	Non-Participating	335,408.57	229,381.48	0:00	0
247	Non-Participating	335,445.94	229,401.00	0:00	0
248	Non-Participating	335,399.24	229,408.04	0:00	0
249	Non-Participating	335,387.44	229,457.32	0:00	0
250	Non-Participating	335,201.53	229,457.55	0:00	0
251	Non-Participating	335,198.55	229,438.70	0:00	0
252	Non-Participating	335,189.95	229,407.94	0:00	0
253	Non-Participating	335,187.64	229,343.45	0:00	0
254	Non-Participating	335,181.03	229,317.65	0:00	0
255	Non-Participating	335,181.03	229,297.48	0:00	0
256	Non-Participating	335,153.24	229,342.46	0:00	0
257	Non-Participating	335,132.08	229,473.43	0:00	0
258	Non-Participating	335,137.37	229,451.60	0:00	0
259	Non-Participating	335,125.79	229,403.64	0:00	0
260	Non-Participating	335,101.98	229,412.24	0:00	0
261	Non-Participating	335,093.71	229,465.16	0:00	0
262	Non-Participating	335,096.03	229,370.57	0:00	0
263	Participating	336,458.19	233,835.69	1:19	169
264	Non-Participating	336,925.47	233,356.50	0:00	0
265	Participating	335,594.53	231,977.29	0:35	48
266	Participating	335,581.27	231,815.28	0:36	64
267	Participating	335,600.26	231,705.96	0:36	75
268	Participating	334,575.26	231,537.14	1:15	78
269	Non-Participating	334,981.61	229,433.51	0:00	0
271	Non-Participating	335,059.75	229,472.58	0:00	0
272	Non-Participating	335,050.02	229,330.04	0:00	0
273	Non-Participating	335,058.44	229,312.88	0:00	0
274	Non-Participating	334,991.91	229,284.75	0:00	0
275	Non-Participating	334,920.32	229,255.01	0:00	0
276	Non-Participating	334,914.58	229,323.11	0:00	0
277	Non-Participating	335,011.36	229,183.68	0:00	0
278	Non-Participating	334,992.01	229,180.10	0:00	0
279	Non-Participating	334,974.44	229,182.25	0:00	0
280	Non-Participating	334,992.36	229,217.02	0:00	0
281	Non-Participating	335,019.96	229,224.19	0:00	0
282	Non-Participating	335,079.46	229,207.34	0:00	0
283	Non-Participating	335,116.38	229,263.25	0:00	0
284	Non-Participating	335,073.45	229,251.31	0:00	0
285	Non-Participating	335,069.77	229,292.06	0:00	0
286	Non-Participating	335,139.17	229,215.50	0:00	0
287	Non-Participating	335,342.55	229,049.63	0:00	0
288	Non-Participating	335,293.45	229,014.86	0:00	0
289	Non-Participating	337,610.78	232,421.85	0:00	0
290	Participating	336,940.17	233,497.06	0:35	82

Table D-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
291	Non-Participating	338,860.88	230,343.97	0:33	92
292	Non-Participating	338,925.12	230,244.29	0:31	70
293	Non-Participating	339,141.92	230,235.71	0:26	64
296	Non-Participating	339,239.93	229,918.40	0:00	0
303	Non-Participating	340,627.37	230,287.76	0:00	0
304	Non-Participating	340,531.02	230,315.72	0:00	0
305	Non-Participating	340,588.33	230,360.86	0:00	0
306	Non-Participating	342,938.03	236,918.46	0:00	0
307	Non-Participating	345,406.15	235,618.42	0:00	0
308	Non-Participating	345,292.80	234,930.55	0:29	38
309	Non-Participating	344,892.19	234,722.46	0:43	91
310	Non-Participating	345,045.34	234,496.63	0:04	6
311	Non-Participating	344,972.16	233,663.75	0:23	30
312	Non-Participating	344,897.12	233,619.17	0:25	32
313	Non-Participating	344,874.70	233,150.13	0:26	41
314	Non-Participating	344,979.36	233,176.72	0:24	36
315	Non-Participating	345,486.60	231,384.20	0:00	0
316	Non-Participating	345,626.42	231,265.97	0:00	0
317	Non-Participating	345,594.03	231,344.33	0:08	14
318	Non-Participating	345,623.65	231,092.92	0:00	0
319	Non-Participating	344,448.58	230,384.67	0:00	0
320	Non-Participating	343,732.02	231,504.09	0:00	0
321	Non-Participating	343,807.33	231,352.64	0:00	0
322	Non-Participating	343,778.26	231,422.96	0:00	0
323	Non-Participating	343,747.52	231,399.98	0:00	0
324	Non-Participating	338,745.15	230,705.29	0:35	47
325	Non-Participating	345,327.67	234,867.94	0:28	39
326	Non-Participating	345,361.76	235,096.64	0:27	35
327	Non-Participating	345,486.92	235,529.50	0:00	0
328	Non-Participating	345,508.13	235,479.18	0:00	0
329	Non-Participating	345,488.17	235,645.09	0:00	0
336	Non-Participating	344,283.22	230,858.86	0:00	0
337	Non-Participating	335,063.07	229,058.63	0:00	0
338	Non-Participating	335,076.21	229,049.17	0:00	0
339	Non-Participating	335,105.13	229,033.13	0:00	0
340	Non-Participating	335,118.53	229,027.88	0:00	0
341	Non-Participating	335,141.40	229,010.79	0:00	0
342	Non-Participating	335,133.85	229,020.37	0:00	0
343	Non-Participating	335,158.48	229,000.81	0:00	0
344	Non-Participating	335,161.11	228,983.20	0:00	0
345	Non-Participating	335,165.58	228,970.58	0:00	0
347	Participating	342,982.73	232,934.90	0:54	130
348	Non-Participating	344,422.24	235,727.15	0:36	94
349	Participating	344,265.39	235,331.48	1:13	166
350	Non-Participating	335,034.93	229,007.57	0:00	0
351	Non-Participating	345,006.87	233,113.24	0:24	37
353	Non-Participating	344,918.82	234,567.99	0:10	14
354	Non-Participating	344,495.84	233,600.35	0:33	84
355	Non-Participating	344,024.23	233,828.84	0:49	160
356	Participating	343,702.13	234,287.71	0:58	151
357	Participating	343,113.63	234,584.82	1:20	183
360	Non-Participating	341,011.74	234,032.89	0:30	141
361	Non-Participating	340,703.75	234,900.99	0:29	107
362	Participating	338,345.89	233,030.41	0:37	48

Table D-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
363	Participating	336,130.87	234,286.29	1:14	199
364	Non-Participating	333,810.00	229,622.00	0:00	0
365	Non-Participating	335,449.32	229,173.95	0:00	0
366	Non-Participating	334,957.44	229,211.36	0:00	0
367	Non-Participating	335,143.74	229,291.99	0:00	0
368	Non-Participating	335,089.70	229,329.51	0:00	0
369	Non-Participating	336,217.08	229,757.63	0:00	0
370	Non-Participating	337,013.01	229,595.84	0:00	0
371	Participating	335,656.83	231,843.96	0:34	57
372	Participating	335,654.04	231,694.20	0:34	71
373	Non-Participating	345,194.33	232,633.78	0:30	45
374	Non-Participating	345,441.19	235,075.17	0:25	32
377	Non-Participating	340,416.62	230,703.35	0:00	0
378	Non-Participating	337,408.76	236,027.93	0:26	56
379	Non-Participating	337,415.28	236,162.68	0:26	63
380	Non-Participating	338,243.81	235,988.41	0:00	0
381	Non-Participating	338,219.93	235,798.87	0:53	62
382	Non-Participating	334,962.23	229,267.84	0:00	0
385	Non-Participating	337,015.73	236,271.48	0:00	0
386	Non-Participating	337,446.94	236,180.49	0:26	56
387	Non-Participating	337,687.63	236,115.76	0:29	49
388	Non-Participating	340,623.75	234,937.34	0:30	93
389	Non-Participating	341,051.54	234,075.51	0:29	121
390	Participating	340,833.84	233,719.46	0:45	142
391	Non-Participating	344,183.74	230,356.78	0:00	0
392	Participating	344,124.42	235,688.44	0:51	183
393	Participating	342,660.39	232,660.56	1:06	139
394	Non-Participating	340,621.60	234,929.14	0:30	95
395	Non-Participating	345,501.77	235,060.08	0:24	31
400	Non-Participating	338,199.16	232,479.56	0:35	72
401	Participating	335,656.19	231,874.96	0:34	54
402	Non-Participating	335,477.50	229,219.02	0:00	0
403	Non-Participating	335,473.51	229,262.07	0:00	0
404	Non-Participating	335,268.04	228,984.41	0:00	0
405	Non-Participating	335,411.54	229,146.82	0:00	0
406	Non-Participating	335,193.90	229,392.40	0:00	0
407	Non-Participating	344,177.55	232,529.49	0:52	76
408	Participating	344,054.32	233,223.52	1:33	229
409	Non-Participating	338,424.04	236,725.09	0:00	0
410	Non-Participating	339,182.66	236,713.13	0:00	0
411	Non-Participating	339,596.75	236,334.92	0:00	0
412	Non-Participating	339,677.98	236,287.76	0:00	0
413	Non-Participating	342,550.55	236,953.57	0:00	0
414	Non-Participating	342,436.58	237,086.18	0:00	0
415	Non-Participating	342,699.73	237,031.77	0:00	0
416	Non-Participating	342,904.14	237,045.50	0:00	0
417	Non-Participating	342,982.14	237,171.00	0:00	0
418	Non-Participating	343,027.39	237,230.08	0:00	0
419	Non-Participating	343,238.22	237,404.60	0:00	0
422	Non-Participating	343,226.75	237,472.54	0:00	0
423	Non-Participating	335,373.54	228,881.72	0:00	0
424	Non-Participating	335,399.08	228,865.72	0:00	0
425	Non-Participating	335,580.04	228,817.52	0:00	0
426	Non-Participating	335,503.15	228,822.61	0:00	0

Table D-2: Shadow Flicker Modeling Results (V150-4.2) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
427	Non-Participating	335,319.25	228,953.71	0:00	0
428	Non-Participating	335,284.40	228,933.03	0:00	0
429	Non-Participating	335,223.24	228,930.42	0:00	0
430	Non-Participating	335,245.61	228,965.24	0:00	0
431	Non-Participating	335,257.51	228,973.94	0:00	0
432	Non-Participating	335,237.55	228,942.96	0:00	0
433	Non-Participating	335,259.98	228,881.12	0:00	0
434	Non-Participating	335,174.94	228,935.63	0:00	0
435	Non-Participating	335,455.48	229,370.18	0:00	0
436	Non-Participating	334,845.20	229,337.96	0:00	0
437	Non-Participating	336,810.77	235,834.82	0:00	0
438	Non-Participating	336,415.85	236,151.48	0:00	0
439	Non-Participating	340,963.13	233,791.22	0:39	175
440	Non-Participating	336,163.73	232,070.18	0:27	47

Table D-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
7	Non-Participating	340,619.01	230,414.74	0:00	0
8	Non-Participating	341,206.90	231,923.63	0:00	0
9	Non-Participating	341,121.66	232,207.19	0:31	94
10	Participating	341,079.81	233,420.36	0:44	157
11	Non-Participating	341,049.27	233,571.17	0:42	148
12	Non-Participating	341,006.81	234,016.54	0:31	154
13	Non-Participating	341,016.71	234,074.59	0:30	123
14	Non-Participating	340,968.84	234,036.14	0:31	161
15	Non-Participating	341,076.95	234,083.32	0:29	116
16	Non-Participating	340,879.71	234,236.86	0:32	87
17	Non-Participating	340,742.44	234,490.20	0:34	86
18	Non-Participating	340,657.22	234,941.38	0:29	93
19	Non-Participating	340,588.07	234,970.56	0:30	78
20	Non-Participating	340,638.92	235,053.44	0:28	56
21	Non-Participating	342,005.50	235,640.05	0:42	120
22	Non-Participating	341,872.67	235,277.59	0:43	58
23	Non-Participating	341,934.99	235,383.33	0:44	58
24	Non-Participating	341,721.59	235,055.03	0:38	72
25	Non-Participating	341,578.11	234,929.83	0:34	96
26	Non-Participating	341,682.02	234,513.38	0:32	96
27	Non-Participating	341,476.66	234,231.74	0:31	45
28	Non-Participating	341,713.34	234,171.52	0:39	122
29	Non-Participating	341,851.95	234,174.27	0:44	90
30	Non-Participating	341,855.46	234,041.23	0:48	67
31	Non-Participating	341,824.93	233,794.99	0:54	69
32	Non-Participating	342,012.49	233,466.68	0:00	0
33	Participating	344,177.40	235,671.76	0:48	155
34	Non-Participating	342,654.65	236,319.69	0:34	101
35	Non-Participating	342,599.16	236,290.69	0:32	110
36	Non-Participating	342,784.48	236,030.56	0:44	143
37	Non-Participating	342,658.75	236,111.13	0:37	135
38	Non-Participating	342,520.52	236,163.69	0:32	99
39	Non-Participating	337,948.82	231,778.99	0:37	57
40	Non-Participating	337,786.46	231,577.83	0:49	67
41	Participating	337,895.35	231,924.61	0:37	94
42	Non-Participating	337,793.49	232,287.20	0:25	70
43	Participating	337,831.92	232,573.72	0:25	40
44	Non-Participating	338,058.38	232,745.47	0:30	43
45	Non-Participating	337,913.04	232,761.35	0:27	37
46	Non-Participating	338,154.23	232,818.74	0:32	45
47	Participating	337,895.97	233,277.19	0:29	90
48	Participating	339,078.04	235,081.18	1:10	200
49	Non-Participating	340,323.61	234,764.77	1:02	96
50	Non-Participating	339,469.06	235,633.18	0:35	104
51	Non-Participating	339,271.45	235,752.24	0:41	63
52	Non-Participating	337,029.73	233,025.30	0:00	0
53	Participating	336,928.74	233,068.67	0:00	0
54	Participating	336,675.58	233,267.47	0:00	0
55	Participating	336,836.24	233,782.14	1:32	154
56	Participating	336,425.06	233,873.49	1:25	179
57	Participating	336,486.51	234,473.33	1:05	166
58	Participating	336,340.64	234,698.00	0:42	224
59	Non-Participating	335,666.14	234,700.67	1:02	191
60	Non-Participating	333,999.20	228,981.15	0:00	0

Table D-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
61	Non-Participating	333,755.57	229,734.57	0:00	0
62	Non-Participating	333,847.32	229,373.27	0:00	0
63	Non-Participating	335,138.86	230,556.19	0:59	118
64	Participating	334,906.39	231,392.04	0:47	148
65	Participating	334,754.48	231,361.92	0:37	57
66	Participating	335,066.82	231,489.07	0:39	139
67	Non-Participating	335,776.17	231,493.65	0:35	132
68	Participating	335,690.38	231,758.87	0:33	43
69	Participating	335,688.52	231,912.75	0:32	42
70	Participating	336,191.79	231,976.63	0:29	66
71	Participating	336,177.55	232,034.57	0:27	53
72	Participating	336,211.03	232,092.03	0:19	29
73	Participating	336,308.92	232,146.29	0:00	0
74	Non-Participating	336,785.25	232,179.98	0:00	0
75	Non-Participating	335,925.26	229,927.91	0:25	45
76	Non-Participating	335,686.43	229,995.80	0:31	63
77	Non-Participating	335,918.39	229,834.92	0:25	56
78	Non-Participating	335,881.54	229,871.20	0:26	56
79	Non-Participating	335,584.73	230,033.94	0:34	73
80	Non-Participating	335,320.05	230,148.41	1:04	110
81	Non-Participating	335,515.98	230,064.52	0:36	84
82	Non-Participating	335,560.99	230,050.90	0:35	74
83	Non-Participating	332,901.42	231,530.67	0:27	84
84	Non-Participating	337,155.97	229,781.81	0:00	0
85	Non-Participating	337,136.59	229,633.36	0:00	0
86	Non-Participating	336,947.73	229,755.79	0:00	0
87	Non-Participating	336,782.70	229,699.82	0:00	0
88	Non-Participating	336,550.90	229,807.21	0:00	0
89	Non-Participating	336,140.59	229,704.67	0:00	0
90	Non-Participating	336,618.43	230,128.16	0:28	62
91	Non-Participating	336,259.64	230,212.38	0:00	0
94	Participating	336,949.89	230,606.28	0:39	53
95	Non-Participating	338,742.06	230,940.07	0:34	43
97	Non-Participating	337,909.23	231,706.50	0:40	57
98	Non-Participating	338,859.13	230,498.68	0:33	52
99	Non-Participating	336,164.15	234,962.10	1:46	228
100	Participating	339,253.95	230,673.50	0:24	30
101	Participating	337,191.41	232,831.80	0:00	0
102	Participating	335,797.20	231,375.53	0:43	198
103	Non-Participating	332,637.99	231,353.47	0:00	0
104	Participating	335,542.47	231,879.12	0:38	59
105	Participating	335,966.89	231,753.98	0:26	70
106	Non-Participating	345,067.46	233,458.47	0:00	0
108	Non-Participating	344,870.69	233,176.87	0:00	0
109	Non-Participating	334,203.96	234,687.99	0:31	40
110	Non-Participating	344,977.78	234,726.38	0:38	104
111	Participating	334,574.05	234,626.42	0:45	60
112	Non-Participating	334,950.38	234,608.63	1:27	148
113	Non-Participating	334,353.04	234,690.06	0:35	46
114	Non-Participating	344,987.88	232,865.77	0:30	52
115	Non-Participating	338,632.36	232,751.57	1:00	123
116	Participating	335,494.72	234,613.35	1:29	195
117	Participating	335,142.48	234,743.07	1:00	83
118	Non-Participating	335,584.82	234,635.80	1:14	206

Table D-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
120	Non-Participating	339,482.91	234,868.46	1:42	190
121	Non-Participating	339,638.33	234,862.63	1:29	223
122	Non-Participating	334,624.66	234,761.27	0:45	76
123	Non-Participating	339,736.51	234,867.53	1:18	238
124	Non-Participating	340,007.16	234,908.55	0:58	215
125	Non-Participating	340,993.89	234,167.74	0:30	112
126	Non-Participating	340,445.02	234,817.50	0:36	94
127	Non-Participating	340,575.54	235,607.14	0:00	0
128	Non-Participating	342,733.56	236,815.89	0:10	15
129	Non-Participating	345,549.53	231,489.59	0:27	66
130	Non-Participating	345,584.55	231,404.78	0:23	44
131	Non-Participating	345,777.42	231,603.52	0:00	0
132	Participating	343,696.12	234,679.31	0:48	178
133	Non-Participating	343,494.66	234,880.42	0:58	144
134	Participating	343,576.49	234,704.89	1:35	166
138	Participating	343,275.28	234,590.37	1:19	178
139	Participating	342,974.92	234,623.28	1:08	151
141	Participating	342,664.93	234,395.97	0:55	71
144	Non-Participating	341,897.78	235,318.44	0:44	57
147	Non-Participating	340,809.21	230,238.36	0:00	0
148	Non-Participating	341,407.60	231,202.37	0:00	0
149	Participating	341,152.14	232,004.80	0:00	0
150	Non-Participating	340,693.19	230,535.73	0:00	0
151	Non-Participating	341,369.51	232,973.70	0:38	112
152	Non-Participating	340,979.59	233,862.74	0:35	178
153	Non-Participating	341,622.77	234,658.38	0:15	23
154	Non-Participating	341,066.41	233,017.48	0:54	160
155	Non-Participating	344,029.65	236,165.66	0:50	77
156	Non-Participating	340,482.25	235,539.69	0:00	0
157	Non-Participating	341,100.85	233,545.46	0:41	145
158	Non-Participating	341,305.07	231,905.58	0:00	0
159	Non-Participating	340,812.42	230,544.35	0:00	0
160	Non-Participating	344,541.82	230,365.07	0:00	0
161	Non-Participating	344,255.60	230,516.44	0:00	0
162	Non-Participating	344,372.76	230,484.95	0:00	0
163	Non-Participating	344,320.07	230,668.28	0:00	0
164	Non-Participating	344,140.90	231,025.41	0:00	0
165	Non-Participating	344,075.91	230,472.46	0:00	0
166	Participating	342,332.55	232,929.63	0:48	127
167	Participating	342,671.36	232,690.59	1:03	137
168	Participating	342,938.87	232,793.74	0:53	129
169	Participating	342,808.80	232,783.79	0:50	127
170	Non-Participating	343,477.72	231,817.82	0:42	111
171	Non-Participating	343,202.37	232,031.90	0:34	113
172	Non-Participating	343,761.03	231,354.62	0:00	0
173	Non-Participating	345,188.05	231,964.06	0:36	51
174	Non-Participating	339,852.67	231,417.16	0:00	0
175	Non-Participating	345,180.52	231,808.74	0:38	73
176	Non-Participating	339,966.86	231,346.11	0:00	0
177	Non-Participating	345,413.96	231,818.19	0:30	48
178	Non-Participating	345,012.80	232,439.17	0:37	91
179	Non-Participating	340,385.40	231,185.05	0:00	0
180	Non-Participating	342,956.89	232,633.22	0:56	184
181	Non-Participating	339,045.58	235,889.18	0:47	68

Table D-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
182	Non-Participating	342,898.74	236,978.73	0:00	0
183	Participating	338,505.60	235,812.05	0:00	0
184	Participating	343,055.87	233,185.69	1:20	218
185	Non-Participating	339,315.79	235,711.42	0:40	57
186	Non-Participating	343,327.72	237,147.27	0:00	0
187	Non-Participating	339,353.98	235,681.81	0:39	69
188	Non-Participating	339,623.53	235,375.44	0:32	87
189	Non-Participating	345,705.71	232,523.62	0:00	0
190	Non-Participating	345,115.72	232,546.57	0:33	47
191	Non-Participating	345,125.98	232,273.64	0:35	45
192	Non-Participating	345,050.58	233,066.89	0:00	0
193	Non-Participating	345,123.85	232,842.60	0:29	76
194	Non-Participating	335,419.22	229,176.86	0:00	0
195	Non-Participating	335,025.84	229,302.51	0:00	0
196	Non-Participating	334,981.10	229,083.45	0:00	0
197	Non-Participating	333,923.45	229,248.37	0:00	0
198	Non-Participating	332,822.67	230,403.22	0:27	46
199	Non-Participating	336,321.22	232,985.79	0:00	0
200	Non-Participating	333,525.42	235,386.75	0:00	0
201	Non-Participating	334,095.49	235,253.68	0:33	113
202	Non-Participating	333,769.80	232,404.10	0:37	102
203	Non-Participating	344,516.83	233,594.15	0:33	86
204	Non-Participating	343,744.53	234,355.93	0:53	159
205	Participating	344,029.89	233,780.62	0:50	108
206	Non-Participating	344,602.35	233,712.48	0:30	176
207	Non-Participating	335,296.04	235,467.48	1:52	148
208	Non-Participating	343,697.30	234,526.86	0:52	117
209	Non-Participating	337,327.53	236,001.35	0:25	47
210	Non-Participating	337,229.49	236,055.82	0:00	0
211	Non-Participating	337,104.28	236,088.28	0:00	0
212	Non-Participating	337,832.56	236,097.90	0:19	25
213	Non-Participating	337,716.99	236,207.28	0:00	0
214	Non-Participating	338,026.44	235,945.98	0:30	37
215	Non-Participating	332,821.87	232,514.92	0:00	0
216	Non-Participating	335,093.90	230,425.80	1:01	162
217	Non-Participating	335,198.91	230,232.82	1:36	124
218	Non-Participating	335,008.66	230,661.24	1:02	146
219	Non-Participating	335,622.68	229,966.54	0:33	94
220	Non-Participating	337,411.59	231,725.22	1:24	59
221	Participating	342,013.52	235,093.05	0:55	112
222	Participating	338,873.00	232,058.55	0:00	0
223	Non-Participating	333,795.83	229,505.84	0:00	0
224	Non-Participating	334,970.68	229,357.17	0:00	0
225	Non-Participating	334,891.17	229,376.02	0:00	0
226	Non-Participating	334,882.71	229,348.13	0:00	0
227	Non-Participating	334,857.65	229,329.64	0:00	0
228	Non-Participating	333,969.22	229,358.27	0:00	0
229	Non-Participating	335,368.15	229,076.42	0:00	0
230	Non-Participating	335,325.82	229,037.26	0:00	0
231	Non-Participating	335,306.55	229,030.72	0:00	0
232	Non-Participating	335,276.28	229,015.03	0:00	0
233	Non-Participating	335,381.12	229,089.12	0:00	0
234	Non-Participating	335,414.52	229,134.43	0:00	0
235	Non-Participating	335,585.84	229,209.17	0:00	0

Table D-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
236	Non-Participating	335,484.58	229,197.64	0:00	0
237	Non-Participating	335,463.14	229,189.99	0:00	0
238	Non-Participating	335,443.62	229,217.77	0:00	0
239	Non-Participating	335,443.96	229,235.63	0:00	0
240	Non-Participating	335,486.95	229,243.90	0:00	0
241	Non-Participating	335,447.92	229,262.09	0:00	0
242	Non-Participating	335,442.96	229,286.23	0:00	0
243	Non-Participating	335,431.06	229,309.38	0:00	0
244	Non-Participating	335,425.43	229,336.50	0:00	0
245	Non-Participating	335,414.52	229,358.66	0:00	0
246	Non-Participating	335,408.57	229,381.48	0:00	0
247	Non-Participating	335,445.94	229,401.00	0:00	0
248	Non-Participating	335,399.24	229,408.04	0:00	0
249	Non-Participating	335,387.44	229,457.32	0:00	0
250	Non-Participating	335,201.53	229,457.55	0:00	0
251	Non-Participating	335,198.55	229,438.70	0:00	0
252	Non-Participating	335,189.95	229,407.94	0:00	0
253	Non-Participating	335,187.64	229,343.45	0:00	0
254	Non-Participating	335,181.03	229,317.65	0:00	0
255	Non-Participating	335,181.03	229,297.48	0:00	0
256	Non-Participating	335,153.24	229,342.46	0:00	0
257	Non-Participating	335,132.08	229,473.43	0:00	0
258	Non-Participating	335,137.37	229,451.60	0:00	0
259	Non-Participating	335,125.79	229,403.64	0:00	0
260	Non-Participating	335,101.98	229,412.24	0:00	0
261	Non-Participating	335,093.71	229,465.16	0:00	0
262	Non-Participating	335,096.03	229,370.57	0:00	0
263	Participating	336,458.19	233,835.69	1:20	170
264	Non-Participating	336,925.47	233,356.50	0:00	0
265	Participating	335,594.53	231,977.29	0:36	47
266	Participating	335,581.27	231,815.28	0:36	63
267	Participating	335,600.26	231,705.96	0:36	73
268	Participating	334,575.26	231,537.14	1:16	80
269	Non-Participating	334,981.61	229,433.51	0:00	0
271	Non-Participating	335,059.75	229,472.58	0:00	0
272	Non-Participating	335,050.02	229,330.04	0:00	0
273	Non-Participating	335,058.44	229,312.88	0:00	0
274	Non-Participating	334,991.91	229,284.75	0:00	0
275	Non-Participating	334,920.32	229,255.01	0:00	0
276	Non-Participating	334,914.58	229,323.11	0:00	0
277	Non-Participating	335,011.36	229,183.68	0:00	0
278	Non-Participating	334,992.01	229,180.10	0:00	0
279	Non-Participating	334,974.44	229,182.25	0:00	0
280	Non-Participating	334,992.36	229,217.02	0:00	0
281	Non-Participating	335,019.96	229,224.19	0:00	0
282	Non-Participating	335,079.46	229,207.34	0:00	0
283	Non-Participating	335,116.38	229,263.25	0:00	0
284	Non-Participating	335,073.45	229,251.31	0:00	0
285	Non-Participating	335,069.77	229,292.06	0:00	0
286	Non-Participating	335,139.17	229,215.50	0:00	0
287	Non-Participating	335,342.55	229,049.63	0:00	0
288	Non-Participating	335,293.45	229,014.86	0:00	0
289	Non-Participating	337,610.78	232,421.85	0:00	0
290	Participating	336,940.17	233,497.06	0:35	84

Table D-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
291	Non-Participating	338,860.88	230,343.97	0:33	94
292	Non-Participating	338,925.12	230,244.29	0:31	72
293	Non-Participating	339,141.92	230,235.71	0:26	61
296	Non-Participating	339,239.93	229,918.40	0:00	0
303	Non-Participating	340,627.37	230,287.76	0:00	0
304	Non-Participating	340,531.02	230,315.72	0:00	0
305	Non-Participating	340,588.33	230,360.86	0:00	0
306	Non-Participating	342,938.03	236,918.46	0:00	0
307	Non-Participating	345,406.15	235,618.42	0:00	0
308	Non-Participating	345,292.80	234,930.55	0:29	38
309	Non-Participating	344,892.19	234,722.46	0:43	92
310	Non-Participating	345,045.34	234,496.63	0:10	14
311	Non-Participating	344,972.16	233,663.75	0:23	29
312	Non-Participating	344,897.12	233,619.17	0:24	30
313	Non-Participating	344,874.70	233,150.13	0:00	0
314	Non-Participating	344,979.36	233,176.72	0:24	34
315	Non-Participating	345,486.60	231,384.20	0:00	0
316	Non-Participating	345,626.42	231,265.97	0:00	0
317	Non-Participating	345,594.03	231,344.33	0:11	18
318	Non-Participating	345,623.65	231,092.92	0:00	0
319	Non-Participating	344,448.58	230,384.67	0:00	0
320	Non-Participating	343,732.02	231,504.09	0:00	0
321	Non-Participating	343,807.33	231,352.64	0:00	0
322	Non-Participating	343,778.26	231,422.96	0:00	0
323	Non-Participating	343,747.52	231,399.98	0:00	0
324	Non-Participating	338,745.15	230,705.29	0:36	47
325	Non-Participating	345,327.67	234,867.94	0:28	38
326	Non-Participating	345,361.76	235,096.64	0:27	34
327	Non-Participating	345,486.92	235,529.50	0:00	0
328	Non-Participating	345,508.13	235,479.18	0:00	0
329	Non-Participating	345,488.17	235,645.09	0:00	0
336	Non-Participating	344,283.22	230,858.86	0:00	0
337	Non-Participating	335,063.07	229,058.63	0:00	0
338	Non-Participating	335,076.21	229,049.17	0:00	0
339	Non-Participating	335,105.13	229,033.13	0:00	0
340	Non-Participating	335,118.53	229,027.88	0:00	0
341	Non-Participating	335,141.40	229,010.79	0:00	0
342	Non-Participating	335,133.85	229,020.37	0:00	0
343	Non-Participating	335,158.48	229,000.81	0:00	0
344	Non-Participating	335,161.11	228,983.20	0:00	0
345	Non-Participating	335,165.58	228,970.58	0:00	0
347	Participating	342,982.73	232,934.90	0:54	130
348	Non-Participating	344,422.24	235,727.15	0:36	93
349	Participating	344,265.39	235,331.48	1:13	163
350	Non-Participating	335,034.93	229,007.57	0:00	0
351	Non-Participating	345,006.87	233,113.24	0:24	36
353	Non-Participating	344,918.82	234,567.99	0:15	20
354	Non-Participating	344,495.84	233,600.35	0:33	86
355	Non-Participating	344,024.23	233,828.84	0:48	160
356	Participating	343,702.13	234,287.71	0:58	150
357	Participating	343,113.63	234,584.82	1:20	176
360	Non-Participating	341,011.74	234,032.89	0:30	135
361	Non-Participating	340,703.75	234,900.99	0:29	107
362	Participating	338,345.89	233,030.41	0:37	48

Table D-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
363	Participating	336,130.87	234,286.29	1:13	194
364	Non-Participating	333,810.00	229,622.00	0:00	0
365	Non-Participating	335,449.32	229,173.95	0:00	0
366	Non-Participating	334,957.44	229,211.36	0:00	0
367	Non-Participating	335,143.74	229,291.99	0:00	0
368	Non-Participating	335,089.70	229,329.51	0:00	0
369	Non-Participating	336,217.08	229,757.63	0:00	0
370	Non-Participating	337,013.01	229,595.84	0:00	0
371	Participating	335,656.83	231,843.96	0:33	55
372	Participating	335,654.04	231,694.20	0:34	70
373	Non-Participating	345,194.33	232,633.78	0:30	47
374	Non-Participating	345,441.19	235,075.17	0:25	32
377	Non-Participating	340,416.62	230,703.35	0:00	0
378	Non-Participating	337,408.76	236,027.93	0:26	58
379	Non-Participating	337,415.28	236,162.68	0:26	62
380	Non-Participating	338,243.81	235,988.41	0:00	0
381	Non-Participating	338,219.93	235,798.87	0:51	59
382	Non-Participating	334,962.23	229,267.84	0:00	0
385	Non-Participating	337,015.73	236,271.48	0:00	0
386	Non-Participating	337,446.94	236,180.49	0:26	55
387	Non-Participating	337,687.63	236,115.76	0:28	47
388	Non-Participating	340,623.75	234,937.34	0:30	91
389	Non-Participating	341,051.54	234,075.51	0:29	118
390	Participating	340,833.84	233,719.46	0:44	139
391	Non-Participating	344,183.74	230,356.78	0:00	0
392	Participating	344,124.42	235,688.44	0:51	183
393	Participating	342,660.39	232,660.56	1:06	139
394	Non-Participating	340,621.60	234,929.14	0:30	91
395	Non-Participating	345,501.77	235,060.08	0:24	31
400	Non-Participating	338,199.16	232,479.56	0:35	72
401	Participating	335,656.19	231,874.96	0:34	53
402	Non-Participating	335,477.50	229,219.02	0:00	0
403	Non-Participating	335,473.51	229,262.07	0:00	0
404	Non-Participating	335,268.04	228,984.41	0:00	0
405	Non-Participating	335,411.54	229,146.82	0:00	0
406	Non-Participating	335,193.90	229,392.40	0:00	0
407	Non-Participating	344,177.55	232,529.49	0:52	78
408	Participating	344,054.32	233,223.52	1:32	229
409	Non-Participating	338,424.04	236,725.09	0:00	0
410	Non-Participating	339,182.66	236,713.13	0:00	0
411	Non-Participating	339,596.75	236,334.92	0:00	0
412	Non-Participating	339,677.98	236,287.76	0:00	0
413	Non-Participating	342,550.55	236,953.57	0:00	0
414	Non-Participating	342,436.58	237,086.18	0:00	0
415	Non-Participating	342,699.73	237,031.77	0:00	0
416	Non-Participating	342,904.14	237,045.50	0:00	0
417	Non-Participating	342,982.14	237,171.00	0:00	0
418	Non-Participating	343,027.39	237,230.08	0:00	0
419	Non-Participating	343,238.22	237,404.60	0:00	0
422	Non-Participating	343,226.75	237,472.54	0:00	0
423	Non-Participating	335,373.54	228,881.72	0:00	0
424	Non-Participating	335,399.08	228,865.72	0:00	0
425	Non-Participating	335,580.04	228,817.52	0:00	0
426	Non-Participating	335,503.15	228,822.61	0:00	0

Table D-3: Shadow Flicker Modeling Results (N149/4500) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
427	Non-Participating	335,319.25	228,953.71	0:00	0
428	Non-Participating	335,284.40	228,933.03	0:00	0
429	Non-Participating	335,223.24	228,930.42	0:00	0
430	Non-Participating	335,245.61	228,965.24	0:00	0
431	Non-Participating	335,257.51	228,973.94	0:00	0
432	Non-Participating	335,237.55	228,942.96	0:00	0
433	Non-Participating	335,259.98	228,881.12	0:00	0
434	Non-Participating	335,174.94	228,935.63	0:00	0
435	Non-Participating	335,455.48	229,370.18	0:00	0
436	Non-Participating	334,845.20	229,337.96	0:00	0
437	Non-Participating	336,810.77	235,834.82	0:00	0
438	Non-Participating	336,415.85	236,151.48	0:00	0
439	Non-Participating	340,963.13	233,791.22	0:39	169
440	Non-Participating	336,163.73	232,070.18	0:26	44

Table D-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
7	Non-Participating	340,619.01	230,414.74	0:00	0
8	Non-Participating	341,206.90	231,923.63	0:00	0
9	Non-Participating	341,121.66	232,207.19	0:31	93
10	Participating	341,079.81	233,420.36	0:44	155
11	Non-Participating	341,049.27	233,571.17	0:42	145
12	Non-Participating	341,006.81	234,016.54	0:30	160
13	Non-Participating	341,016.71	234,074.59	0:30	122
14	Non-Participating	340,968.84	234,036.14	0:31	159
15	Non-Participating	341,076.95	234,083.32	0:28	114
16	Non-Participating	340,879.71	234,236.86	0:32	85
17	Non-Participating	340,742.44	234,490.20	0:33	84
18	Non-Participating	340,657.22	234,941.38	0:29	96
19	Non-Participating	340,588.07	234,970.56	0:30	79
20	Non-Participating	340,638.92	235,053.44	0:28	61
21	Non-Participating	342,005.50	235,640.05	0:42	120
22	Non-Participating	341,872.67	235,277.59	0:43	59
23	Non-Participating	341,934.99	235,383.33	0:44	57
24	Non-Participating	341,721.59	235,055.03	0:37	73
25	Non-Participating	341,578.11	234,929.83	0:33	96
26	Non-Participating	341,682.02	234,513.38	0:32	96
27	Non-Participating	341,476.66	234,231.74	0:31	46
28	Non-Participating	341,713.34	234,171.52	0:39	119
29	Non-Participating	341,851.95	234,174.27	0:44	83
30	Non-Participating	341,855.46	234,041.23	0:48	66
31	Non-Participating	341,824.93	233,794.99	0:53	68
32	Non-Participating	342,012.49	233,466.68	0:00	0
33	Participating	344,177.40	235,671.76	0:47	158
34	Non-Participating	342,654.65	236,319.69	0:34	102
35	Non-Participating	342,599.16	236,290.69	0:32	112
36	Non-Participating	342,784.48	236,030.56	0:43	146
37	Non-Participating	342,658.75	236,111.13	0:37	134
38	Non-Participating	342,520.52	236,163.69	0:32	96
39	Non-Participating	337,948.82	231,778.99	0:37	55
40	Non-Participating	337,786.46	231,577.83	0:49	66
41	Participating	337,895.35	231,924.61	0:37	96
42	Non-Participating	337,793.49	232,287.20	0:24	68
43	Participating	337,831.92	232,573.72	0:25	40
44	Non-Participating	338,058.38	232,745.47	0:30	42
45	Non-Participating	337,913.04	232,761.35	0:26	36
46	Non-Participating	338,154.23	232,818.74	0:32	44
47	Participating	337,895.97	233,277.19	0:30	86
48	Participating	339,078.04	235,081.18	1:09	196
49	Non-Participating	340,323.61	234,764.77	1:01	96
50	Non-Participating	339,469.06	235,633.18	0:35	106
51	Non-Participating	339,271.45	235,752.24	0:41	63
52	Non-Participating	337,029.73	233,025.30	0:00	0
53	Participating	336,928.74	233,068.67	0:00	0
54	Participating	336,675.58	233,267.47	0:00	0
55	Participating	336,836.24	233,782.14	1:31	152
56	Participating	336,425.06	233,873.49	1:23	179
57	Participating	336,486.51	234,473.33	1:04	167

Table D-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
58	Participating	336,340.64	234,698.00	0:42	224
59	Non-Participating	335,666.14	234,700.67	1:01	194
60	Non-Participating	333,999.20	228,981.15	0:00	0
61	Non-Participating	333,755.57	229,734.57	0:00	0
62	Non-Participating	333,847.32	229,373.27	0:00	0
63	Non-Participating	335,138.86	230,556.19	0:59	116
64	Participating	334,906.39	231,392.04	0:47	148
65	Participating	334,754.48	231,361.92	0:38	59
66	Participating	335,066.82	231,489.07	0:39	140
67	Non-Participating	335,776.17	231,493.65	0:35	135
68	Participating	335,690.38	231,758.87	0:33	43
69	Participating	335,688.52	231,912.75	0:32	40
70	Participating	336,191.79	231,976.63	0:29	68
71	Participating	336,177.55	232,034.57	0:28	55
72	Participating	336,211.03	232,092.03	0:20	31
73	Participating	336,308.92	232,146.29	0:00	0
74	Non-Participating	336,785.25	232,179.98	0:00	0
75	Non-Participating	335,925.26	229,927.91	0:25	44
76	Non-Participating	335,686.43	229,995.80	0:31	63
77	Non-Participating	335,918.39	229,834.92	0:26	58
78	Non-Participating	335,881.54	229,871.20	0:26	57
79	Non-Participating	335,584.73	230,033.94	0:34	76
80	Non-Participating	335,320.05	230,148.41	1:04	108
81	Non-Participating	335,515.98	230,064.52	0:36	87
82	Non-Participating	335,560.99	230,050.90	0:35	75
83	Non-Participating	332,901.42	231,530.67	0:27	82
84	Non-Participating	337,155.97	229,781.81	0:00	0
85	Non-Participating	337,136.59	229,633.36	0:00	0
86	Non-Participating	336,947.73	229,755.79	0:00	0
87	Non-Participating	336,782.70	229,699.82	0:00	0
88	Non-Participating	336,550.90	229,807.21	0:00	0
89	Non-Participating	336,140.59	229,704.67	0:00	0
90	Non-Participating	336,618.43	230,128.16	0:28	64
91	Non-Participating	336,259.64	230,212.38	0:00	0
94	Participating	336,949.89	230,606.28	0:39	52
95	Non-Participating	338,742.06	230,940.07	0:34	42
97	Non-Participating	337,909.23	231,706.50	0:40	55
98	Non-Participating	338,859.13	230,498.68	0:33	50
99	Non-Participating	336,164.15	234,962.10	1:44	230
100	Participating	339,253.95	230,673.50	0:24	31
101	Participating	337,191.41	232,831.80	0:00	0
102	Participating	335,797.20	231,375.53	0:42	207
103	Non-Participating	332,637.99	231,353.47	0:00	0
104	Participating	335,542.47	231,879.12	0:37	58
105	Participating	335,966.89	231,753.98	0:26	72
106	Non-Participating	345,067.46	233,458.47	0:00	0
108	Non-Participating	344,870.69	233,176.87	0:00	0
109	Non-Participating	334,203.96	234,687.99	0:31	40
110	Non-Participating	344,977.78	234,726.38	0:38	102
111	Participating	334,574.05	234,626.42	0:44	58
112	Non-Participating	334,950.38	234,608.63	1:24	150

Table D-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
113	Non-Participating	334,353.04	234,690.06	0:35	46
114	Non-Participating	344,987.88	232,865.77	0:30	54
115	Non-Participating	338,632.36	232,751.57	0:59	132
116	Participating	335,494.72	234,613.35	1:28	198
117	Participating	335,142.48	234,743.07	1:04	87
118	Non-Participating	335,584.82	234,635.80	1:13	208
120	Non-Participating	339,482.91	234,868.46	1:41	188
121	Non-Participating	339,638.33	234,862.63	1:29	223
122	Non-Participating	334,624.66	234,761.27	0:45	73
123	Non-Participating	339,736.51	234,867.53	1:19	237
124	Non-Participating	340,007.16	234,908.55	0:59	200
125	Non-Participating	340,993.89	234,167.74	0:30	113
126	Non-Participating	340,445.02	234,817.50	0:36	95
127	Non-Participating	340,575.54	235,607.14	0:00	0
128	Non-Participating	342,733.56	236,815.89	0:13	19
129	Non-Participating	345,549.53	231,489.59	0:27	64
130	Non-Participating	345,584.55	231,404.78	0:23	42
131	Non-Participating	345,777.42	231,603.52	0:00	0
132	Participating	343,696.12	234,679.31	0:47	178
133	Non-Participating	343,494.66	234,880.42	0:58	145
134	Participating	343,576.49	234,704.89	1:33	166
138	Participating	343,275.28	234,590.37	1:18	180
139	Participating	342,974.92	234,623.28	1:07	153
141	Participating	342,664.93	234,395.97	0:55	70
144	Non-Participating	341,897.78	235,318.44	0:43	58
147	Non-Participating	340,809.21	230,238.36	0:00	0
148	Non-Participating	341,407.60	231,202.37	0:00	0
149	Participating	341,152.14	232,004.80	0:00	0
150	Non-Participating	340,693.19	230,535.73	0:00	0
151	Non-Participating	341,369.51	232,973.70	0:38	111
152	Non-Participating	340,979.59	233,862.74	0:36	177
153	Non-Participating	341,622.77	234,658.38	0:18	26
154	Non-Participating	341,066.41	233,017.48	0:53	158
155	Non-Participating	344,029.65	236,165.66	0:50	75
156	Non-Participating	340,482.25	235,539.69	0:00	0
157	Non-Participating	341,100.85	233,545.46	0:40	140
158	Non-Participating	341,305.07	231,905.58	0:00	0
159	Non-Participating	340,812.42	230,544.35	0:00	0
160	Non-Participating	344,541.82	230,365.07	0:00	0
161	Non-Participating	344,255.60	230,516.44	0:00	0
162	Non-Participating	344,372.76	230,484.95	0:00	0
163	Non-Participating	344,320.07	230,668.28	0:00	0
164	Non-Participating	344,140.90	231,025.41	0:00	0
165	Non-Participating	344,075.91	230,472.46	0:00	0
166	Participating	342,332.55	232,929.63	0:53	134
167	Participating	342,671.36	232,690.59	1:02	134
168	Participating	342,938.87	232,793.74	0:52	129
169	Participating	342,808.80	232,783.79	0:49	126
170	Non-Participating	343,477.72	231,817.82	0:42	109
171	Non-Participating	343,202.37	232,031.90	0:34	110
172	Non-Participating	343,761.03	231,354.62	0:00	0

Table D-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
173	Non-Participating	345,188.05	231,964.06	0:36	52
174	Non-Participating	339,852.67	231,417.16	0:00	0
175	Non-Participating	345,180.52	231,808.74	0:37	74
176	Non-Participating	339,966.86	231,346.11	0:00	0
177	Non-Participating	345,413.96	231,818.19	0:30	47
178	Non-Participating	345,012.80	232,439.17	0:37	90
179	Non-Participating	340,385.40	231,185.05	0:00	0
180	Non-Participating	342,956.89	232,633.22	0:56	181
181	Non-Participating	339,045.58	235,889.18	0:47	70
182	Non-Participating	342,898.74	236,978.73	0:00	0
183	Participating	338,505.60	235,812.05	0:00	0
184	Participating	343,055.87	233,185.69	1:19	217
185	Non-Participating	339,315.79	235,711.42	0:40	57
186	Non-Participating	343,327.72	237,147.27	0:00	0
187	Non-Participating	339,353.98	235,681.81	0:39	73
188	Non-Participating	339,623.53	235,375.44	0:32	88
189	Non-Participating	345,705.71	232,523.62	0:00	0
190	Non-Participating	345,115.72	232,546.57	0:32	45
191	Non-Participating	345,125.98	232,273.64	0:35	44
192	Non-Participating	345,050.58	233,066.89	0:00	0
193	Non-Participating	345,123.85	232,842.60	0:29	77
194	Non-Participating	335,419.22	229,176.86	0:00	0
195	Non-Participating	335,025.84	229,302.51	0:00	0
196	Non-Participating	334,981.10	229,083.45	0:00	0
197	Non-Participating	333,923.45	229,248.37	0:00	0
198	Non-Participating	332,822.67	230,403.22	0:27	47
199	Non-Participating	336,321.22	232,985.79	0:00	0
200	Non-Participating	333,525.42	235,386.75	0:00	0
201	Non-Participating	334,095.49	235,253.68	0:33	114
202	Non-Participating	333,769.80	232,404.10	0:37	103
203	Non-Participating	344,516.83	233,594.15	0:32	85
204	Non-Participating	343,744.53	234,355.93	0:52	151
205	Participating	344,029.89	233,780.62	0:49	98
206	Non-Participating	344,602.35	233,712.48	0:29	181
207	Non-Participating	335,296.04	235,467.48	1:53	152
208	Non-Participating	343,697.30	234,526.86	0:51	118
209	Non-Participating	337,327.53	236,001.35	0:25	45
210	Non-Participating	337,229.49	236,055.82	0:00	0
211	Non-Participating	337,104.28	236,088.28	0:00	0
212	Non-Participating	337,832.56	236,097.90	0:20	28
213	Non-Participating	337,716.99	236,207.28	0:00	0
214	Non-Participating	338,026.44	235,945.98	0:32	40
215	Non-Participating	332,821.87	232,514.92	0:00	0
216	Non-Participating	335,093.90	230,425.80	1:00	164
217	Non-Participating	335,198.91	230,232.82	1:36	122
218	Non-Participating	335,008.66	230,661.24	1:01	144
219	Non-Participating	335,622.68	229,966.54	0:33	92
220	Non-Participating	337,411.59	231,725.22	1:26	62
221	Participating	342,013.52	235,093.05	0:54	160
222	Participating	338,873.00	232,058.55	0:00	0
223	Non-Participating	333,795.83	229,505.84	0:00	0

Table D-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
224	Non-Participating	334,970.68	229,357.17	0:00	0
225	Non-Participating	334,891.17	229,376.02	0:00	0
226	Non-Participating	334,882.71	229,348.13	0:00	0
227	Non-Participating	334,857.65	229,329.64	0:00	0
228	Non-Participating	333,969.22	229,358.27	0:00	0
229	Non-Participating	335,368.15	229,076.42	0:00	0
230	Non-Participating	335,325.82	229,037.26	0:00	0
231	Non-Participating	335,306.55	229,030.72	0:00	0
232	Non-Participating	335,276.28	229,015.03	0:00	0
233	Non-Participating	335,381.12	229,089.12	0:00	0
234	Non-Participating	335,414.52	229,134.43	0:00	0
235	Non-Participating	335,585.84	229,209.17	0:00	0
236	Non-Participating	335,484.58	229,197.64	0:00	0
237	Non-Participating	335,463.14	229,189.99	0:00	0
238	Non-Participating	335,443.62	229,217.77	0:00	0
239	Non-Participating	335,443.96	229,235.63	0:00	0
240	Non-Participating	335,486.95	229,243.90	0:00	0
241	Non-Participating	335,447.92	229,262.09	0:00	0
242	Non-Participating	335,442.96	229,286.23	0:00	0
243	Non-Participating	335,431.06	229,309.38	0:00	0
244	Non-Participating	335,425.43	229,336.50	0:00	0
245	Non-Participating	335,414.52	229,358.66	0:00	0
246	Non-Participating	335,408.57	229,381.48	0:00	0
247	Non-Participating	335,445.94	229,401.00	0:00	0
248	Non-Participating	335,399.24	229,408.04	0:00	0
249	Non-Participating	335,387.44	229,457.32	0:00	0
250	Non-Participating	335,201.53	229,457.55	0:00	0
251	Non-Participating	335,198.55	229,438.70	0:00	0
252	Non-Participating	335,189.95	229,407.94	0:00	0
253	Non-Participating	335,187.64	229,343.45	0:00	0
254	Non-Participating	335,181.03	229,317.65	0:00	0
255	Non-Participating	335,181.03	229,297.48	0:00	0
256	Non-Participating	335,153.24	229,342.46	0:00	0
257	Non-Participating	335,132.08	229,473.43	0:00	0
258	Non-Participating	335,137.37	229,451.60	0:00	0
259	Non-Participating	335,125.79	229,403.64	0:00	0
260	Non-Participating	335,101.98	229,412.24	0:00	0
261	Non-Participating	335,093.71	229,465.16	0:00	0
262	Non-Participating	335,096.03	229,370.57	0:00	0
263	Participating	336,458.19	233,835.69	1:17	169
264	Non-Participating	336,925.47	233,356.50	0:00	0
265	Participating	335,594.53	231,977.29	0:35	48
266	Participating	335,581.27	231,815.28	0:36	63
267	Participating	335,600.26	231,705.96	0:36	75
268	Participating	334,575.26	231,537.14	1:14	76
269	Non-Participating	334,981.61	229,433.51	0:00	0
271	Non-Participating	335,059.75	229,472.58	0:00	0
272	Non-Participating	335,050.02	229,330.04	0:00	0
273	Non-Participating	335,058.44	229,312.88	0:00	0
274	Non-Participating	334,991.91	229,284.75	0:00	0
275	Non-Participating	334,920.32	229,255.01	0:00	0

Table D-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
276	Non-Participating	334,914.58	229,323.11	0:00	0
277	Non-Participating	335,011.36	229,183.68	0:00	0
278	Non-Participating	334,992.01	229,180.10	0:00	0
279	Non-Participating	334,974.44	229,182.25	0:00	0
280	Non-Participating	334,992.36	229,217.02	0:00	0
281	Non-Participating	335,019.96	229,224.19	0:00	0
282	Non-Participating	335,079.46	229,207.34	0:00	0
283	Non-Participating	335,116.38	229,263.25	0:00	0
284	Non-Participating	335,073.45	229,251.31	0:00	0
285	Non-Participating	335,069.77	229,292.06	0:00	0
286	Non-Participating	335,139.17	229,215.50	0:00	0
287	Non-Participating	335,342.55	229,049.63	0:00	0
288	Non-Participating	335,293.45	229,014.86	0:00	0
289	Non-Participating	337,610.78	232,421.85	0:00	0
290	Participating	336,940.17	233,497.06	0:34	82
291	Non-Participating	338,860.88	230,343.97	0:33	92
292	Non-Participating	338,925.12	230,244.29	0:31	70
293	Non-Participating	339,141.92	230,235.71	0:26	62
296	Non-Participating	339,239.93	229,918.40	0:00	0
303	Non-Participating	340,627.37	230,287.76	0:00	0
304	Non-Participating	340,531.02	230,315.72	0:00	0
305	Non-Participating	340,588.33	230,360.86	0:00	0
306	Non-Participating	342,938.03	236,918.46	0:00	0
307	Non-Participating	345,406.15	235,618.42	0:00	0
308	Non-Participating	345,292.80	234,930.55	0:28	38
309	Non-Participating	344,892.19	234,722.46	0:43	90
310	Non-Participating	345,045.34	234,496.63	0:00	0
311	Non-Participating	344,972.16	233,663.75	0:23	30
312	Non-Participating	344,897.12	233,619.17	0:24	31
313	Non-Participating	344,874.70	233,150.13	0:26	38
314	Non-Participating	344,979.36	233,176.72	0:24	36
315	Non-Participating	345,486.60	231,384.20	0:00	0
316	Non-Participating	345,626.42	231,265.97	0:00	0
317	Non-Participating	345,594.03	231,344.33	0:08	12
318	Non-Participating	345,623.65	231,092.92	0:00	0
319	Non-Participating	344,448.58	230,384.67	0:00	0
320	Non-Participating	343,732.02	231,504.09	0:00	0
321	Non-Participating	343,807.33	231,352.64	0:00	0
322	Non-Participating	343,778.26	231,422.96	0:00	0
323	Non-Participating	343,747.52	231,399.98	0:00	0
324	Non-Participating	338,745.15	230,705.29	0:35	47
325	Non-Participating	345,327.67	234,867.94	0:28	38
326	Non-Participating	345,361.76	235,096.64	0:26	34
327	Non-Participating	345,486.92	235,529.50	0:00	0
328	Non-Participating	345,508.13	235,479.18	0:00	0
329	Non-Participating	345,488.17	235,645.09	0:00	0
336	Non-Participating	344,283.22	230,858.86	0:00	0
337	Non-Participating	335,063.07	229,058.63	0:00	0
338	Non-Participating	335,076.21	229,049.17	0:00	0
339	Non-Participating	335,105.13	229,033.13	0:00	0
340	Non-Participating	335,118.53	229,027.88	0:00	0

Table D-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
341	Non-Participating	335,141.40	229,010.79	0:00	0
342	Non-Participating	335,133.85	229,020.37	0:00	0
343	Non-Participating	335,158.48	229,000.81	0:00	0
344	Non-Participating	335,161.11	228,983.20	0:00	0
345	Non-Participating	335,165.58	228,970.58	0:00	0
347	Participating	342,982.73	232,934.90	0:53	129
348	Non-Participating	344,422.24	235,727.15	0:35	93
349	Participating	344,265.39	235,331.48	1:12	165
350	Non-Participating	335,034.93	229,007.57	0:00	0
351	Non-Participating	345,006.87	233,113.24	0:24	36
353	Non-Participating	344,918.82	234,567.99	0:08	10
354	Non-Participating	344,495.84	233,600.35	0:33	84
355	Non-Participating	344,024.23	233,828.84	0:48	158
356	Participating	343,702.13	234,287.71	0:57	146
357	Participating	343,113.63	234,584.82	1:18	182
360	Non-Participating	341,011.74	234,032.89	0:30	137
361	Non-Participating	340,703.75	234,900.99	0:29	106
362	Participating	338,345.89	233,030.41	0:37	47
363	Participating	336,130.87	234,286.29	1:12	197
364	Non-Participating	333,810.00	229,622.00	0:00	0
365	Non-Participating	335,449.32	229,173.95	0:00	0
366	Non-Participating	334,957.44	229,211.36	0:00	0
367	Non-Participating	335,143.74	229,291.99	0:00	0
368	Non-Participating	335,089.70	229,329.51	0:00	0
369	Non-Participating	336,217.08	229,757.63	0:00	0
370	Non-Participating	337,013.01	229,595.84	0:00	0
371	Participating	335,656.83	231,843.96	0:33	56
372	Participating	335,654.04	231,694.20	0:34	71
373	Non-Participating	345,194.33	232,633.78	0:30	45
374	Non-Participating	345,441.19	235,075.17	0:25	32
377	Non-Participating	340,416.62	230,703.35	0:00	0
378	Non-Participating	337,408.76	236,027.93	0:26	56
379	Non-Participating	337,415.28	236,162.68	0:26	63
380	Non-Participating	338,243.81	235,988.41	0:00	0
381	Non-Participating	338,219.93	235,798.87	0:52	61
382	Non-Participating	334,962.23	229,267.84	0:00	0
385	Non-Participating	337,015.73	236,271.48	0:00	0
386	Non-Participating	337,446.94	236,180.49	0:26	56
387	Non-Participating	337,687.63	236,115.76	0:29	49
388	Non-Participating	340,623.75	234,937.34	0:29	92
389	Non-Participating	341,051.54	234,075.51	0:29	119
390	Participating	340,833.84	233,719.46	0:44	139
391	Non-Participating	344,183.74	230,356.78	0:00	0
392	Participating	344,124.42	235,688.44	0:51	182
393	Participating	342,660.39	232,660.56	1:05	139
394	Non-Participating	340,621.60	234,929.14	0:30	94
395	Non-Participating	345,501.77	235,060.08	0:24	31
400	Non-Participating	338,199.16	232,479.56	0:34	70
401	Participating	335,656.19	231,874.96	0:33	53
402	Non-Participating	335,477.50	229,219.02	0:00	0
403	Non-Participating	335,473.51	229,262.07	0:00	0

Table D-4: Shadow Flicker Modeling Results (4.2M148) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
404	Non-Participating	335,268.04	228,984.41	0:00	0
405	Non-Participating	335,411.54	229,146.82	0:00	0
406	Non-Participating	335,193.90	229,392.40	0:00	0
407	Non-Participating	344,177.55	232,529.49	0:51	76
408	Participating	344,054.32	233,223.52	1:32	227
409	Non-Participating	338,424.04	236,725.09	0:00	0
410	Non-Participating	339,182.66	236,713.13	0:00	0
411	Non-Participating	339,596.75	236,334.92	0:00	0
412	Non-Participating	339,677.98	236,287.76	0:00	0
413	Non-Participating	342,550.55	236,953.57	0:00	0
414	Non-Participating	342,436.58	237,086.18	0:00	0
415	Non-Participating	342,699.73	237,031.77	0:00	0
416	Non-Participating	342,904.14	237,045.50	0:00	0
417	Non-Participating	342,982.14	237,171.00	0:00	0
418	Non-Participating	343,027.39	237,230.08	0:00	0
419	Non-Participating	343,238.22	237,404.60	0:00	0
422	Non-Participating	343,226.75	237,472.54	0:00	0
423	Non-Participating	335,373.54	228,881.72	0:00	0
424	Non-Participating	335,399.08	228,865.72	0:00	0
425	Non-Participating	335,580.04	228,817.52	0:00	0
426	Non-Participating	335,503.15	228,822.61	0:00	0
427	Non-Participating	335,319.25	228,953.71	0:00	0
428	Non-Participating	335,284.40	228,933.03	0:00	0
429	Non-Participating	335,223.24	228,930.42	0:00	0
430	Non-Participating	335,245.61	228,965.24	0:00	0
431	Non-Participating	335,257.51	228,973.94	0:00	0
432	Non-Participating	335,237.55	228,942.96	0:00	0
433	Non-Participating	335,259.98	228,881.12	0:00	0
434	Non-Participating	335,174.94	228,935.63	0:00	0
435	Non-Participating	335,455.48	229,370.18	0:00	0
436	Non-Participating	334,845.20	229,337.96	0:00	0
437	Non-Participating	336,810.77	235,834.82	0:00	0
438	Non-Participating	336,415.85	236,151.48	0:00	0
439	Non-Participating	340,963.13	233,791.22	0:39	172
440	Non-Participating	336,163.73	232,070.18	0:27	46

Table D-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
7	Non-Participating	340,619.01	230,414.74	0:00	0
8	Non-Participating	341,206.90	231,923.63	0:00	0
9	Non-Participating	341,121.66	232,207.19	0:31	94
10	Participating	341,079.81	233,420.36	0:43	150
11	Non-Participating	341,049.27	233,571.17	0:41	142
12	Non-Participating	341,006.81	234,016.54	0:30	149
13	Non-Participating	341,016.71	234,074.59	0:29	119
14	Non-Participating	340,968.84	234,036.14	0:30	154
15	Non-Participating	341,076.95	234,083.32	0:28	112
16	Non-Participating	340,879.71	234,236.86	0:31	84
17	Non-Participating	340,742.44	234,490.20	0:33	83
18	Non-Participating	340,657.22	234,941.38	0:29	92
19	Non-Participating	340,588.07	234,970.56	0:29	76
20	Non-Participating	340,638.92	235,053.44	0:28	55
21	Non-Participating	342,005.50	235,640.05	0:41	117
22	Non-Participating	341,872.67	235,277.59	0:42	57
23	Non-Participating	341,934.99	235,383.33	0:43	56
24	Non-Participating	341,721.59	235,055.03	0:37	71
25	Non-Participating	341,578.11	234,929.83	0:33	96
26	Non-Participating	341,682.02	234,513.38	0:31	94
27	Non-Participating	341,476.66	234,231.74	0:31	44
28	Non-Participating	341,713.34	234,171.52	0:38	120
29	Non-Participating	341,851.95	234,174.27	0:43	84
30	Non-Participating	341,855.46	234,041.23	0:47	65
31	Non-Participating	341,824.93	233,794.99	0:52	67
32	Non-Participating	342,012.49	233,466.68	0:00	0
33	Participating	344,177.40	235,671.76	0:46	149
34	Non-Participating	342,654.65	236,319.69	0:33	99
35	Non-Participating	342,599.16	236,290.69	0:32	108
36	Non-Participating	342,784.48	236,030.56	0:42	142
37	Non-Participating	342,658.75	236,111.13	0:36	133
38	Non-Participating	342,520.52	236,163.69	0:31	95
39	Non-Participating	337,948.82	231,778.99	0:37	55
40	Non-Participating	337,786.46	231,577.83	0:48	64
41	Participating	337,895.35	231,924.61	0:36	94
42	Non-Participating	337,793.49	232,287.20	0:24	70
43	Participating	337,831.92	232,573.72	0:25	39
44	Non-Participating	338,058.38	232,745.47	0:29	42
45	Non-Participating	337,913.04	232,761.35	0:26	36
46	Non-Participating	338,154.23	232,818.74	0:31	43
47	Participating	337,895.97	233,277.19	0:29	83
48	Participating	339,078.04	235,081.18	1:08	194
49	Non-Participating	340,323.61	234,764.77	1:00	93
50	Non-Participating	339,469.06	235,633.18	0:34	102
51	Non-Participating	339,271.45	235,752.24	0:40	61
52	Non-Participating	337,029.73	233,025.30	0:00	0
53	Participating	336,928.74	233,068.67	0:00	0
54	Participating	336,675.58	233,267.47	0:00	0
55	Participating	336,836.24	233,782.14	1:29	153
56	Participating	336,425.06	233,873.49	1:21	179
57	Participating	336,486.51	234,473.33	1:02	164
58	Participating	336,340.64	234,698.00	0:39	220
59	Non-Participating	335,666.14	234,700.67	1:00	190

Table D-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
60	Non-Participating	333,999.20	228,981.15	0:00	0
61	Non-Participating	333,755.57	229,734.57	0:00	0
62	Non-Participating	333,847.32	229,373.27	0:00	0
63	Non-Participating	335,138.86	230,556.19	0:57	116
64	Participating	334,906.39	231,392.04	0:46	146
65	Participating	334,754.48	231,361.92	0:37	57
66	Participating	335,066.82	231,489.07	0:38	137
67	Non-Participating	335,776.17	231,493.65	0:34	129
68	Participating	335,690.38	231,758.87	0:32	42
69	Participating	335,688.52	231,912.75	0:31	39
70	Participating	336,191.79	231,976.63	0:28	66
71	Participating	336,177.55	232,034.57	0:27	53
72	Participating	336,211.03	232,092.03	0:19	28
73	Participating	336,308.92	232,146.29	0:00	0
74	Non-Participating	336,785.25	232,179.98	0:00	0
75	Non-Participating	335,925.26	229,927.91	0:25	44
76	Non-Participating	335,686.43	229,995.80	0:30	62
77	Non-Participating	335,918.39	229,834.92	0:25	56
78	Non-Participating	335,881.54	229,871.20	0:26	55
79	Non-Participating	335,584.73	230,033.94	0:33	72
80	Non-Participating	335,320.05	230,148.41	1:03	108
81	Non-Participating	335,515.98	230,064.52	0:36	82
82	Non-Participating	335,560.99	230,050.90	0:34	72
83	Non-Participating	332,901.42	231,530.67	0:26	82
84	Non-Participating	337,155.97	229,781.81	0:00	0
85	Non-Participating	337,136.59	229,633.36	0:00	0
86	Non-Participating	336,947.73	229,755.79	0:00	0
87	Non-Participating	336,782.70	229,699.82	0:00	0
88	Non-Participating	336,550.90	229,807.21	0:00	0
89	Non-Participating	336,140.59	229,704.67	0:00	0
90	Non-Participating	336,618.43	230,128.16	0:27	60
91	Non-Participating	336,259.64	230,212.38	0:00	0
94	Participating	336,949.89	230,606.28	0:38	51
95	Non-Participating	338,742.06	230,940.07	0:33	41
97	Non-Participating	337,909.23	231,706.50	0:39	56
98	Non-Participating	338,859.13	230,498.68	0:32	50
99	Non-Participating	336,164.15	234,962.10	1:42	224
100	Participating	339,253.95	230,673.50	0:23	30
101	Participating	337,191.41	232,831.80	0:00	0
102	Participating	335,797.20	231,375.53	0:42	194
103	Non-Participating	332,637.99	231,353.47	0:00	0
104	Participating	335,542.47	231,879.12	0:36	57
105	Participating	335,966.89	231,753.98	0:26	69
106	Non-Participating	345,067.46	233,458.47	0:00	0
108	Non-Participating	344,870.69	233,176.87	0:00	0
109	Non-Participating	334,203.96	234,687.99	0:30	39
110	Non-Participating	344,977.78	234,726.38	0:37	103
111	Participating	334,574.05	234,626.42	0:44	57
112	Non-Participating	334,950.38	234,608.63	1:22	148
113	Non-Participating	334,353.04	234,690.06	0:34	45
114	Non-Participating	344,987.88	232,865.77	0:30	52
115	Non-Participating	338,632.36	232,751.57	0:57	119
116	Participating	335,494.72	234,613.35	1:26	194

Table D-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
117	Participating	335,142.48	234,743.07	0:59	82
118	Non-Participating	335,584.82	234,635.80	1:12	204
120	Non-Participating	339,482.91	234,868.46	1:39	184
121	Non-Participating	339,638.33	234,862.63	1:26	219
122	Non-Participating	334,624.66	234,761.27	0:44	73
123	Non-Participating	339,736.51	234,867.53	1:16	235
124	Non-Participating	340,007.16	234,908.55	0:56	203
125	Non-Participating	340,993.89	234,167.74	0:29	111
126	Non-Participating	340,445.02	234,817.50	0:35	92
127	Non-Participating	340,575.54	235,607.14	0:00	0
128	Non-Participating	342,733.56	236,815.89	0:10	14
129	Non-Participating	345,549.53	231,489.59	0:27	64
130	Non-Participating	345,584.55	231,404.78	0:23	43
131	Non-Participating	345,777.42	231,603.52	0:00	0
132	Participating	343,696.12	234,679.31	0:47	176
133	Non-Participating	343,494.66	234,880.42	0:54	141
134	Participating	343,576.49	234,704.89	1:32	164
138	Participating	343,275.28	234,590.37	1:17	178
139	Participating	342,974.92	234,623.28	1:06	149
141	Participating	342,664.93	234,395.97	0:53	68
144	Non-Participating	341,897.78	235,318.44	0:42	56
147	Non-Participating	340,809.21	230,238.36	0:00	0
148	Non-Participating	341,407.60	231,202.37	0:00	0
149	Participating	341,152.14	232,004.80	0:00	0
150	Non-Participating	340,693.19	230,535.73	0:00	0
151	Non-Participating	341,369.51	232,973.70	0:37	109
152	Non-Participating	340,979.59	233,862.74	0:34	174
153	Non-Participating	341,622.77	234,658.38	0:15	23
154	Non-Participating	341,066.41	233,017.48	0:52	156
155	Non-Participating	344,029.65	236,165.66	0:49	74
156	Non-Participating	340,482.25	235,539.69	0:00	0
157	Non-Participating	341,100.85	233,545.46	0:40	141
158	Non-Participating	341,305.07	231,905.58	0:00	0
159	Non-Participating	340,812.42	230,544.35	0:00	0
160	Non-Participating	344,541.82	230,365.07	0:00	0
161	Non-Participating	344,255.60	230,516.44	0:00	0
162	Non-Participating	344,372.76	230,484.95	0:00	0
163	Non-Participating	344,320.07	230,668.28	0:00	0
164	Non-Participating	344,140.90	231,025.41	0:00	0
165	Non-Participating	344,075.91	230,472.46	0:00	0
166	Participating	342,332.55	232,929.63	0:48	127
167	Participating	342,671.36	232,690.59	1:02	133
168	Participating	342,938.87	232,793.74	0:51	125
169	Participating	342,808.80	232,783.79	0:49	124
170	Non-Participating	343,477.72	231,817.82	0:41	108
171	Non-Participating	343,202.37	232,031.90	0:33	109
172	Non-Participating	343,761.03	231,354.62	0:00	0
173	Non-Participating	345,188.05	231,964.06	0:35	50
174	Non-Participating	339,852.67	231,417.16	0:00	0
175	Non-Participating	345,180.52	231,808.74	0:37	72
176	Non-Participating	339,966.86	231,346.11	0:00	0
177	Non-Participating	345,413.96	231,818.19	0:29	48
178	Non-Participating	345,012.80	232,439.17	0:36	88

Table D-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
179	Non-Participating	340,385.40	231,185.05	0:00	0
180	Non-Participating	342,956.89	232,633.22	0:54	181
181	Non-Participating	339,045.58	235,889.18	0:46	68
182	Non-Participating	342,898.74	236,978.73	0:00	0
183	Participating	338,505.60	235,812.05	0:00	0
184	Participating	343,055.87	233,185.69	1:17	216
185	Non-Participating	339,315.79	235,711.42	0:39	55
186	Non-Participating	343,327.72	237,147.27	0:00	0
187	Non-Participating	339,353.98	235,681.81	0:38	67
188	Non-Participating	339,623.53	235,375.44	0:31	86
189	Non-Participating	345,705.71	232,523.62	0:00	0
190	Non-Participating	345,115.72	232,546.57	0:32	46
191	Non-Participating	345,125.98	232,273.64	0:34	43
192	Non-Participating	345,050.58	233,066.89	0:00	0
193	Non-Participating	345,123.85	232,842.60	0:28	76
194	Non-Participating	335,419.22	229,176.86	0:00	0
195	Non-Participating	335,025.84	229,302.51	0:00	0
196	Non-Participating	334,981.10	229,083.45	0:00	0
197	Non-Participating	333,923.45	229,248.37	0:00	0
198	Non-Participating	332,822.67	230,403.22	0:26	45
199	Non-Participating	336,321.22	232,985.79	0:00	0
200	Non-Participating	333,525.42	235,386.75	0:00	0
201	Non-Participating	334,095.49	235,253.68	0:32	113
202	Non-Participating	333,769.80	232,404.10	0:36	101
203	Non-Participating	344,516.83	233,594.15	0:32	84
204	Non-Participating	343,744.53	234,355.93	0:51	152
205	Participating	344,029.89	233,780.62	0:48	98
206	Non-Participating	344,602.35	233,712.48	0:29	174
207	Non-Participating	335,296.04	235,467.48	1:50	148
208	Non-Participating	343,697.30	234,526.86	0:50	114
209	Non-Participating	337,327.53	236,001.35	0:25	44
210	Non-Participating	337,229.49	236,055.82	0:00	0
211	Non-Participating	337,104.28	236,088.28	0:00	0
212	Non-Participating	337,832.56	236,097.90	0:18	25
213	Non-Participating	337,716.99	236,207.28	0:00	0
214	Non-Participating	338,026.44	235,945.98	0:29	37
215	Non-Participating	332,821.87	232,514.92	0:00	0
216	Non-Participating	335,093.90	230,425.80	0:59	159
217	Non-Participating	335,198.91	230,232.82	1:33	122
218	Non-Participating	335,008.66	230,661.24	1:00	142
219	Non-Participating	335,622.68	229,966.54	0:32	92
220	Non-Participating	337,411.59	231,725.22	1:22	58
221	Participating	342,013.52	235,093.05	0:54	110
222	Participating	338,873.00	232,058.55	0:00	0
223	Non-Participating	333,795.83	229,505.84	0:00	0
224	Non-Participating	334,970.68	229,357.17	0:00	0
225	Non-Participating	334,891.17	229,376.02	0:00	0
226	Non-Participating	334,882.71	229,348.13	0:00	0
227	Non-Participating	334,857.65	229,329.64	0:00	0
228	Non-Participating	333,969.22	229,358.27	0:00	0
229	Non-Participating	335,368.15	229,076.42	0:00	0
230	Non-Participating	335,325.82	229,037.26	0:00	0
231	Non-Participating	335,306.55	229,030.72	0:00	0

Table D-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
232	Non-Participating	335,276.28	229,015.03	0:00	0
233	Non-Participating	335,381.12	229,089.12	0:00	0
234	Non-Participating	335,414.52	229,134.43	0:00	0
235	Non-Participating	335,585.84	229,209.17	0:00	0
236	Non-Participating	335,484.58	229,197.64	0:00	0
237	Non-Participating	335,463.14	229,189.99	0:00	0
238	Non-Participating	335,443.62	229,217.77	0:00	0
239	Non-Participating	335,443.96	229,235.63	0:00	0
240	Non-Participating	335,486.95	229,243.90	0:00	0
241	Non-Participating	335,447.92	229,262.09	0:00	0
242	Non-Participating	335,442.96	229,286.23	0:00	0
243	Non-Participating	335,431.06	229,309.38	0:00	0
244	Non-Participating	335,425.43	229,336.50	0:00	0
245	Non-Participating	335,414.52	229,358.66	0:00	0
246	Non-Participating	335,408.57	229,381.48	0:00	0
247	Non-Participating	335,445.94	229,401.00	0:00	0
248	Non-Participating	335,399.24	229,408.04	0:00	0
249	Non-Participating	335,387.44	229,457.32	0:00	0
250	Non-Participating	335,201.53	229,457.55	0:00	0
251	Non-Participating	335,198.55	229,438.70	0:00	0
252	Non-Participating	335,189.95	229,407.94	0:00	0
253	Non-Participating	335,187.64	229,343.45	0:00	0
254	Non-Participating	335,181.03	229,317.65	0:00	0
255	Non-Participating	335,181.03	229,297.48	0:00	0
256	Non-Participating	335,153.24	229,342.46	0:00	0
257	Non-Participating	335,132.08	229,473.43	0:00	0
258	Non-Participating	335,137.37	229,451.60	0:00	0
259	Non-Participating	335,125.79	229,403.64	0:00	0
260	Non-Participating	335,101.98	229,412.24	0:00	0
261	Non-Participating	335,093.71	229,465.16	0:00	0
262	Non-Participating	335,096.03	229,370.57	0:00	0
263	Participating	336,458.19	233,835.69	1:16	169
264	Non-Participating	336,925.47	233,356.50	0:00	0
265	Participating	335,594.53	231,977.29	0:35	47
266	Participating	335,581.27	231,815.28	0:35	61
267	Participating	335,600.26	231,705.96	0:35	73
268	Participating	334,575.26	231,537.14	1:14	76
269	Non-Participating	334,981.61	229,433.51	0:00	0
271	Non-Participating	335,059.75	229,472.58	0:00	0
272	Non-Participating	335,050.02	229,330.04	0:00	0
273	Non-Participating	335,058.44	229,312.88	0:00	0
274	Non-Participating	334,991.91	229,284.75	0:00	0
275	Non-Participating	334,920.32	229,255.01	0:00	0
276	Non-Participating	334,914.58	229,323.11	0:00	0
277	Non-Participating	335,011.36	229,183.68	0:00	0
278	Non-Participating	334,992.01	229,180.10	0:00	0
279	Non-Participating	334,974.44	229,182.25	0:00	0
280	Non-Participating	334,992.36	229,217.02	0:00	0
281	Non-Participating	335,019.96	229,224.19	0:00	0
282	Non-Participating	335,079.46	229,207.34	0:00	0
283	Non-Participating	335,116.38	229,263.25	0:00	0
284	Non-Participating	335,073.45	229,251.31	0:00	0
285	Non-Participating	335,069.77	229,292.06	0:00	0

Table D-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
286	Non-Participating	335,139.17	229,215.50	0:00	0
287	Non-Participating	335,342.55	229,049.63	0:00	0
288	Non-Participating	335,293.45	229,014.86	0:00	0
289	Non-Participating	337,610.78	232,421.85	0:00	0
290	Participating	336,940.17	233,497.06	0:34	82
291	Non-Participating	338,860.88	230,343.97	0:32	92
292	Non-Participating	338,925.12	230,244.29	0:30	70
293	Non-Participating	339,141.92	230,235.71	0:25	60
296	Non-Participating	339,239.93	229,918.40	0:00	0
303	Non-Participating	340,627.37	230,287.76	0:00	0
304	Non-Participating	340,531.02	230,315.72	0:00	0
305	Non-Participating	340,588.33	230,360.86	0:00	0
306	Non-Participating	342,938.03	236,918.46	0:00	0
307	Non-Participating	345,406.15	235,618.42	0:00	0
308	Non-Participating	345,292.80	234,930.55	0:28	37
309	Non-Participating	344,892.19	234,722.46	0:42	90
310	Non-Participating	345,045.34	234,496.63	0:00	0
311	Non-Participating	344,972.16	233,663.75	0:22	29
312	Non-Participating	344,897.12	233,619.17	0:24	30
313	Non-Participating	344,874.70	233,150.13	0:00	0
314	Non-Participating	344,979.36	233,176.72	0:24	34
315	Non-Participating	345,486.60	231,384.20	0:00	0
316	Non-Participating	345,626.42	231,265.97	0:00	0
317	Non-Participating	345,594.03	231,344.33	0:08	14
318	Non-Participating	345,623.65	231,092.92	0:00	0
319	Non-Participating	344,448.58	230,384.67	0:00	0
320	Non-Participating	343,732.02	231,504.09	0:00	0
321	Non-Participating	343,807.33	231,352.64	0:00	0
322	Non-Participating	343,778.26	231,422.96	0:00	0
323	Non-Participating	343,747.52	231,399.98	0:00	0
324	Non-Participating	338,745.15	230,705.29	0:34	46
325	Non-Participating	345,327.67	234,867.94	0:27	37
326	Non-Participating	345,361.76	235,096.64	0:26	33
327	Non-Participating	345,486.92	235,529.50	0:00	0
328	Non-Participating	345,508.13	235,479.18	0:00	0
329	Non-Participating	345,488.17	235,645.09	0:00	0
336	Non-Participating	344,283.22	230,858.86	0:00	0
337	Non-Participating	335,063.07	229,058.63	0:00	0
338	Non-Participating	335,076.21	229,049.17	0:00	0
339	Non-Participating	335,105.13	229,033.13	0:00	0
340	Non-Participating	335,118.53	229,027.88	0:00	0
341	Non-Participating	335,141.40	229,010.79	0:00	0
342	Non-Participating	335,133.85	229,020.37	0:00	0
343	Non-Participating	335,158.48	229,000.81	0:00	0
344	Non-Participating	335,161.11	228,983.20	0:00	0
345	Non-Participating	335,165.58	228,970.58	0:00	0
347	Participating	342,982.73	232,934.90	0:52	126
348	Non-Participating	344,422.24	235,727.15	0:35	91
349	Participating	344,265.39	235,331.48	1:11	161
350	Non-Participating	335,034.93	229,007.57	0:00	0
351	Non-Participating	345,006.87	233,113.24	0:23	35
353	Non-Participating	344,918.82	234,567.99	0:09	12
354	Non-Participating	344,495.84	233,600.35	0:32	83

Table D-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
355	Non-Participating	344,024.23	233,828.84	0:47	158
356	Participating	343,702.13	234,287.71	0:56	146
357	Participating	343,113.63	234,584.82	1:17	175
360	Non-Participating	341,011.74	234,032.89	0:30	134
361	Non-Participating	340,703.75	234,900.99	0:29	106
362	Participating	338,345.89	233,030.41	0:36	46
363	Participating	336,130.87	234,286.29	1:11	190
364	Non-Participating	333,810.00	229,622.00	0:00	0
365	Non-Participating	335,449.32	229,173.95	0:00	0
366	Non-Participating	334,957.44	229,211.36	0:00	0
367	Non-Participating	335,143.74	229,291.99	0:00	0
368	Non-Participating	335,089.70	229,329.51	0:00	0
369	Non-Participating	336,217.08	229,757.63	0:00	0
370	Non-Participating	337,013.01	229,595.84	0:00	0
371	Participating	335,656.83	231,843.96	0:33	55
372	Participating	335,654.04	231,694.20	0:33	69
373	Non-Participating	345,194.33	232,633.78	0:29	45
374	Non-Participating	345,441.19	235,075.17	0:25	31
377	Non-Participating	340,416.62	230,703.35	0:00	0
378	Non-Participating	337,408.76	236,027.93	0:26	55
379	Non-Participating	337,415.28	236,162.68	0:25	62
380	Non-Participating	338,243.81	235,988.41	0:00	0
381	Non-Participating	338,219.93	235,798.87	0:50	58
382	Non-Participating	334,962.23	229,267.84	0:00	0
385	Non-Participating	337,015.73	236,271.48	0:00	0
386	Non-Participating	337,446.94	236,180.49	0:25	55
387	Non-Participating	337,687.63	236,115.76	0:28	47
388	Non-Participating	340,623.75	234,937.34	0:29	91
389	Non-Participating	341,051.54	234,075.51	0:28	117
390	Participating	340,833.84	233,719.46	0:43	138
391	Non-Participating	344,183.74	230,356.78	0:00	0
392	Participating	344,124.42	235,688.44	0:50	173
393	Participating	342,660.39	232,660.56	1:04	135
394	Non-Participating	340,621.60	234,929.14	0:29	90
395	Non-Participating	345,501.77	235,060.08	0:24	30
400	Non-Participating	338,199.16	232,479.56	0:34	70
401	Participating	335,656.19	231,874.96	0:32	52
402	Non-Participating	335,477.50	229,219.02	0:00	0
403	Non-Participating	335,473.51	229,262.07	0:00	0
404	Non-Participating	335,268.04	228,984.41	0:00	0
405	Non-Participating	335,411.54	229,146.82	0:00	0
406	Non-Participating	335,193.90	229,392.40	0:00	0
407	Non-Participating	344,177.55	232,529.49	0:51	76
408	Participating	344,054.32	233,223.52	1:30	227
409	Non-Participating	338,424.04	236,725.09	0:00	0
410	Non-Participating	339,182.66	236,713.13	0:00	0
411	Non-Participating	339,596.75	236,334.92	0:00	0
412	Non-Participating	339,677.98	236,287.76	0:00	0
413	Non-Participating	342,550.55	236,953.57	0:00	0
414	Non-Participating	342,436.58	237,086.18	0:00	0
415	Non-Participating	342,699.73	237,031.77	0:00	0
416	Non-Participating	342,904.14	237,045.50	0:00	0
417	Non-Participating	342,982.14	237,171.00	0:00	0

Table D-5: Shadow Flicker Modeling Results (SG4.2-145) at Discrete Points- Sorted by Modeling ID

Modeling Receptor ID	Participation Status	Coordinates New York State Plane Central-NAD83 (meters)		Maximum Daily Shadow Flicker	Maximum Number of Days per Year of Shadow Flicker
		X (m)	Y (m)	(HH:MM/day)	(Days/year)
418	Non-Participating	343,027.39	237,230.08	0:00	0
419	Non-Participating	343,238.22	237,404.60	0:00	0
422	Non-Participating	343,226.75	237,472.54	0:00	0
423	Non-Participating	335,373.54	228,881.72	0:00	0
424	Non-Participating	335,399.08	228,865.72	0:00	0
425	Non-Participating	335,580.04	228,817.52	0:00	0
426	Non-Participating	335,503.15	228,822.61	0:00	0
427	Non-Participating	335,319.25	228,953.71	0:00	0
428	Non-Participating	335,284.40	228,933.03	0:00	0
429	Non-Participating	335,223.24	228,930.42	0:00	0
430	Non-Participating	335,245.61	228,965.24	0:00	0
431	Non-Participating	335,257.51	228,973.94	0:00	0
432	Non-Participating	335,237.55	228,942.96	0:00	0
433	Non-Participating	335,259.98	228,881.12	0:00	0
434	Non-Participating	335,174.94	228,935.63	0:00	0
435	Non-Participating	335,455.48	229,370.18	0:00	0
436	Non-Participating	334,845.20	229,337.96	0:00	0
437	Non-Participating	336,810.77	235,834.82	0:00	0
438	Non-Participating	336,415.85	236,151.48	0:00	0
439	Non-Participating	340,963.13	233,791.22	0:38	167
440	Non-Participating	336,163.73	232,070.18	0:26	44