

Shadow Flicker Impact Assessment

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April 2025



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ADMINISTRATION PAGE

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Issue	Date	Detail of Changes
1	October 2024	Initial issue
2	April 2025	Updated to consider revised turbine location and dimensions

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EXECUTIVE SUMMARY

Report Purpose

Pager Power has been commissioned to investigate the potential shadow flicker impact of the wind turbines proposed as part of the Plocks Farm combined wind and solar development located near Sollam, Lancashire, UK upon residential amenity.

The proposed wind turbine has a maximum tip height of 179.8m above ground level (agl), hub height of 110.64m agl, and rotor diameter of 138.25m. Coordinate data is presented in Section 2.1.

Assessment Methodology

The model assumes that each dwelling receptor has a single window that is 1 metre by 1 metre and has a centre that is 1.5 metres above ground and directed towards the turbine. A minimum Sun elevation of 2 degrees has been considered. All results are with respect to the reference threshold limits of 30 minutes per day and/or 30 hours per year. See Section 5.2 for further details.

Conservative Approach

Shadow flicker effects can occur only on sunny days. Additionally, other factors could also diminish effects, including:

- Visibility from the receptor;
- Window position;
- Cloud cover;
- Varying wind direction;
- Low wind speed – which could result in the turbines not operating for a period of time.

The analysis used conservative assumptions, considering only clear daylight conditions and window locations with a direct line-of-sight of the turbines.

Results Overview

The overall conclusions are presented below:

- The modelling results indicate that 33 dwellings would receive shadow flicker effects for more than the reference threshold limit of 30 minutes per day and/or 30 hours per year;
- Three of these dwellings are not predicted to experience effects in practice;
- Mitigation in the form of a shutdown scheme is recommended for the remaining dwellings.

Mitigation

The developer is aware that shadow flicker (dependent on weather on certain days) may impact the assessed properties. The modelling results indicate that 33 dwellings would receive shadow flicker effects for more than the reference limits of 30 minutes per day and 30 hours per year, but three of these dwellings are not predicted to experience effects in practice.

It is recommended that shadow flicker effects are reduced to less than the reference limits i.e. to less than 30 minutes per day and 30 hours per year. This could be achieved either by a shutdown scheme or a technical solution such as a light intensity detection system to determine if shadow flicker will occur during the dates/times it is geometrically possible alongside a shutdown scheme. If considered appropriate by the planning authority, the applicant would be willing to accept a condition attached to any grant of permission to limit shadow flicker for the assessed dwelling to below these reference limits.

A shutdown scheme defines the times between which a turbine should be shut down to either reduce shadow flicker effects to below the recommended threshold limits, or to eliminate all shadow flicker effects completely throughout the year, assuming clear sunny skies. The term 'shutdown' means that the rotating blade is completely still and does not move for the period of time specified.

The dates and times when shadow flicker may occur at the dwelling in question are presented in Appendix D. This information should be used to guide any shutdown scheme to mitigate shadow flicker effects.

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ABOUT PAGER POWER

Pager Power is a dedicated consultancy company based in Suffolk, UK. The company has undertaken projects in 61 countries internationally.

The company comprises a team of experts to provide technical expertise and guidance on a range of planning issues for large and small developments.

Pager Power was established in 1997. Initially the company focus was on modelling the impact of wind turbines on radar systems.

Over the years, the company has expanded into numerous fields including:

- Renewable energy projects.
- Building developments.
- Aviation and telecommunication systems.

Pager Power prides itself on providing comprehensive, understandable and accurate assessments of complex issues in line with national and international standards. This is underpinned by its custom software, longstanding relationships with stakeholders and active role in conferences and research efforts around the world.

Pager Power's assessments withstand legal scrutiny and the company can provide support for a project at any stage.

1 INTRODUCTION

1.1 Overview

Pager Power has been commissioned to investigate the potential shadow flicker impact of the wind turbines proposed as part of the Plocks Farm combined wind and solar development located near Sollam, Lancashire, UK upon residential amenity.

The proposed wind turbine has a maximum tip height of 179.8m above ground level (agl), hub height of 110.64m agl, and rotor diameter of 138.25m. Coordinate data is presented in Section 2.1.

This report contains the following:

- Proposed wind farm details;
- Details of technical analysis;
- Shadow flicker explanation;
- Receptor details;
- Assessment of receptors;
- Assessment of hours per year/day;
- Shadow Flicker Hours Chart (per receptor);
- Assessment of hours per year/day;
- Conclusions.

2 PROPOSED WIND DEVELOPMENT DETAILS

2.1 Turbine Details

The proposed wind farm details are presented in Table 1 below.

Eastings	Northings	Longitude (°)	Latitude (°)	Turbine Tip Height (m) agl	Turbine Hub Height (m) agl	Rotor Diameter (m)
346225	419368	-2.81539	53.66801	179.8	110.64	138.25

Table 1 Assessed Wind Development details

2.2 Wind Development Location

The site layout¹ is shown in Figure 1 on the following page, with the turbine location marked within the red line site boundary.

¹ Source: 2022-143-SL03 - Proposed Full Site Layout PDF

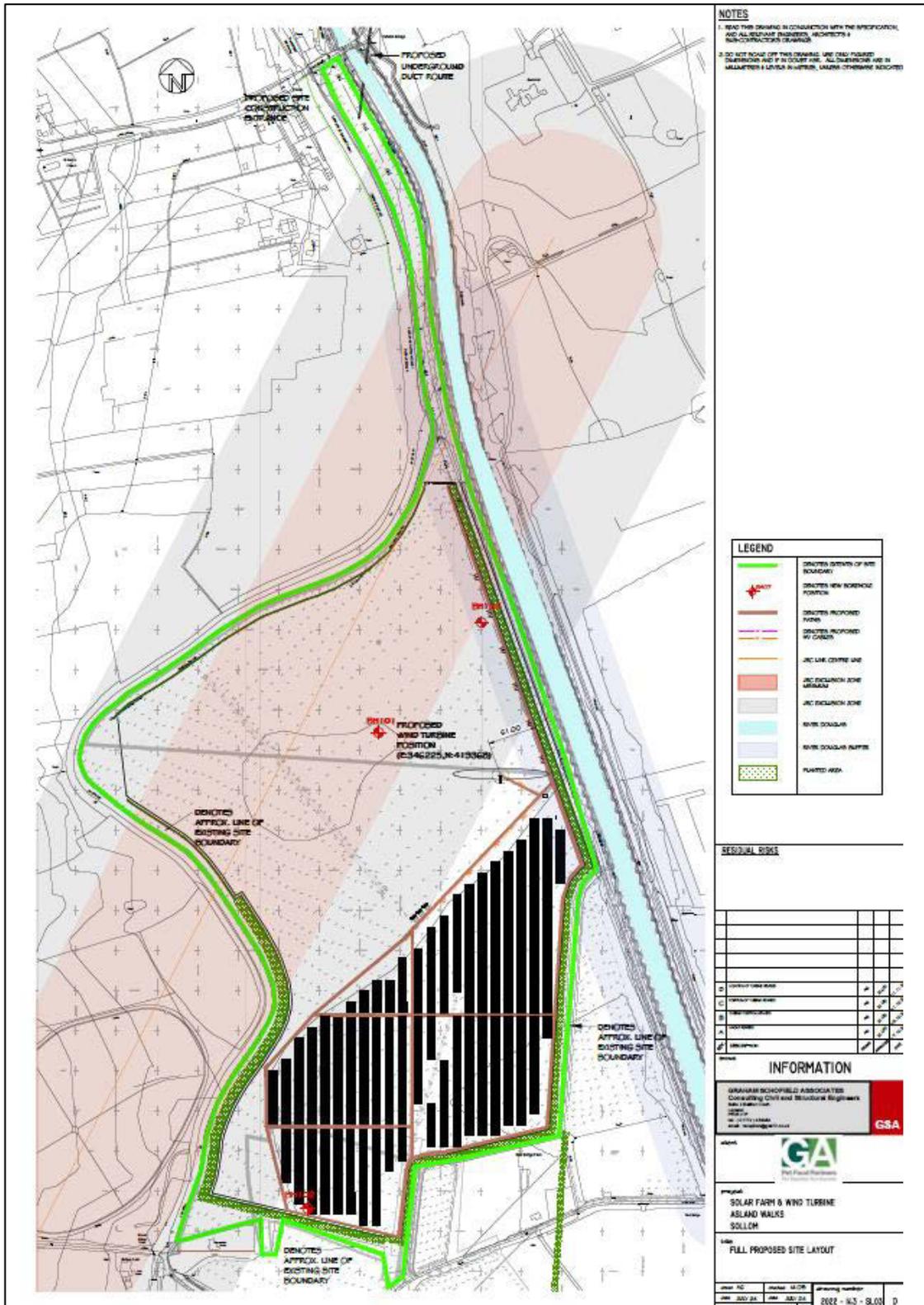


Figure 1 Site layout

The location of the proposed wind turbine is shown in Figure 2 on the following page.



Figure 2 Wind development location

3 SHADOW FLICKER GUIDANCE REVIEW

3.1 Overview

Rotating wind turbine blades can cause brightness levels to vary periodically at locations where they obstruct the Sun's rays. This can result in a nuisance when the shadow is cast over the windows of residential properties. This intermittent shadow is described by the term 'shadow flicker' and it can be a cause of annoyance at residences near onshore wind turbines if it occurs for a significant period of time during the year².

3.2 Guidance Overview

There are various sources of guidance with regard to shadow flicker impacts caused by wind turbines. The most relevant extracts have been presented and summarised in Table 2 below and on the following pages. However, the material regarding shadow flicker is quite extensive and not all aspects have been summarised here.

Source	Extract	Remarks
Scottish Government Onshore wind turbines: planning advice	<p>Under certain combinations of geographical position, time of day and time of year, the sun may pass behind the rotor and cast a shadow over neighbouring properties. When the blades rotate, the shadow flicks on and off; the effect is known as 'shadow flicker'. It occurs only within buildings where the flicker appears through a narrow window opening. The seasonal duration of this effect can be calculated from the geometry of the machine and the latitude of the potential site.</p> <p>Where this could be a problem, developers should provide calculations to quantify the effect. In most cases however, where separation is provided between wind turbines and nearby dwellings (as a general rule, 10 rotor diameters), 'shadow flicker' should not be a problem. However, there is scope to vary layout/reduce the height of turbines in extreme cases.</p>	-

² No significant negative health effects are anticipated. See Table 1.

Source	Extract	Remarks
<p>Parsons Brinckerhoff, 2011 – <i>Update of UK Shadow Flicker Evidence Base</i></p>	<p>This report presents an update of the evidence base which has been produced by carrying out a thorough review of international guidance on shadow flicker, an academic literature review and by investigating current assessment methodologies employed by developers and case study evidence. Consultation (by means of a questionnaire) was carried out with stakeholders in the UK onshore wind farm industry including developers, consultants and Local Planning Authorities (LPAs). This exercise was used to gauge their opinion and operational experience with shadow flicker, current guidance and the mitigation strategies that can and have been implemented.</p>	<p>The report was read and understood by Pager Power and provides context for flicker reports.</p>
<p>Parsons Brinckerhoff, 2011 – <i>Update of UK Shadow Flicker Evidence Base</i></p>	<p>The three key computer models used by the industry are WindPro, WindFarm and Windfarmer. It has been shown that the outputs of these packages do not have significant differences between them. All computer model assessment methods use a “worst case scenario” approach and don’t consider “realistic” factors such as wind speed and cloud cover which can reduce the duration of the shadow flicker impact.</p>	<p>Pager Power uses WindFarm software for its analysis. The exclusion of variable environmental factors within the model (such as cloud cover) produces the conservative results as shown in this report.</p>
	<p>Mitigation measures which have been employed to operational wind farms such as turbine shut down strategies, have proved very successful, to the extent that shadow flicker cannot be considered to be a major issue in the UK.</p>	<p>-</p>

Source	Extract	Remarks
	<p>Companion Guide to PPS22 makes the following statements:</p> <ul style="list-style-type: none"> • Shadow flicker only occurs inside buildings where the flicker appears through a narrow window opening; • Only properties within 130 degrees either side of north of the turbines can be affected at UK latitudes; <p>Shadow flicker has been proven to occur only within ten rotor diameters of a turbine position.</p>	<p>Note that this guidance was officially withdrawn as of March 2014 however the technical context pertaining to shadow flicker is still relevant for the purpose of this report.</p>
<p>Parsons Brinckerhoff, 2011 – Update of UK Shadow Flicker Evidence Base</p>	<p>On health:</p> <p><i>'On health effects and nuisance of the shadow flicker effect, it is considered that the frequency of the flickering caused by the wind turbine rotation is such that it should not cause a significant risk to health. Mitigation measures which have been employed to operational wind farms such as turbine shut down strategies, have proved very successful, to the extent that shadow flicker can not be considered to be a major issue in the UK.'</i></p>	<p>-</p>
	<p>[Onshore Wind Energy Planning Conditions Guidance Note, Renewables Advisory Board and BERR (2007)] states that only dwellings within 130 degrees either side of north relative to a turbine can be affected and the shadow can be experienced only within 10 rotor diameters of the wind farm.</p>	<p>Secondary source presented within the Parson Brinckerhoff report.</p>

Source	Extract	Remarks
Department for Communities & Local Government (July 2013): Planning practice guidance for renewable and low carbon energy.	Under certain combinations of geographical position and time of day, the Sun may pass behind the rotors of a wind turbine and cast a shadow over neighbouring properties. When the blades rotate, the shadow flicks on and off; the impact is known as 'shadow flicker'. Only properties within 130 degrees either side of north, relative to the turbines.	This document replaced 'Planning for renewable energy: a companion guide to PPS22'. It should be noted that no maximum distance is given within this document.

Table 2 *Guidance – shadow flicker*

3.3 Discussion – 10 Rotor Diameter Exclusion Zone

It is common to use 10 rotor diameters as a maximum limit within which significant shadow flicker effects can occur. The validity of this limit is discussed at length within the relevant literature³. The guidance on this particular criterion varies in different documents and countries, with some stating that effects can only occur within this distance and others stating that this is a general rule or that the risk beyond this distance is low.

Pager Power generally considers receptors within 10 rotor diameters. This is considered an appropriate zone for potentially significant effects based on the available guidance and because other features of the modelling are highly conservative⁴ as set out in Table 2.

3.4 Acceptable Limits

There is no formal limit on the amount of shadow flicker that is considered acceptable within the UK. Other European countries do have limits, and these vary from one country to another⁵. A typical limit, which has been utilised in Northern Ireland, Germany, and Belgium, is 30 hours per year with a maximum of 30 minutes per any one day. Since there is no formal guidance on this subject in the UK, the discussion of the results relative to these limits is for reference purposes only.

If shadow flicker effects are predicted beyond this limit, mitigation may be required to eradicate the occurrence of shadow flicker. This is typically controlled by remote automatic wind turbine shutdown so that, in effect, no neighbouring property will experience the occurrence of shadow flicker beyond the limits specified above. There are there two approaches to mitigation:

³ See Table 1 for references.

⁴ For example, the assumption that all properties have a single window facing the nearest wind turbine and ignoring potential cloud cover or low wind speeds that could reduce the effects.

⁵ Parsons Brinckerhoff (2011): *Update of UK Shadow Flicker Evidence Base*.

- Complete removal of effects;
- Reduction of any effects to the acceptable limit specified above.

Shadow flicker effects can only occur under specific conditions so, in reality, turbine shutdown may not be required to eliminate effects i.e. shadow flicker cannot occur if the weather at the time of predicted effects is not clear and sunny or if the rotor does not face on to the receptor.

4 IDENTIFICATION OF RECEPTORS

4.1 Assessed Receptors

4.1.1 Dwelling Receptors Overview

The model is based on the conservative assumption that each assessed receptor has a window facing directly towards the proposed wind turbines, with a clear view of the rotating turbine blades. The model has considered windows with a size of 1 metre by 1 metre with a centre that is 1.5 metres above ground level.

In residential areas with multiple layers of dwellings, only the outer dwellings have been considered for assessment. This is because they will mostly obscure views of the wind turbine to the dwellings behind them, which will therefore not be impacted by the proposed development because line of sight will be removed, or they will experience comparable effects to the closest assessed dwelling.

Additionally, in some cases, a single receptor point may be used to represent a small number of separate addresses. In such cases, the results for the receptor will be representative of the adjacent observer locations, such that the overall level of effect in each area is captured reliably.

4.1.2 Identified Dwelling Receptors

In total, 48 dwelling receptors have been identified with the assessment area and have been considered for analysis. The 10-rotor diameter area (within a range of 130° of North) from the turbine is shown as the orange outline.

Figure 3 on the following page shows the receptor identification process for shadow flicker analysis and the wind turbine location, specifically:

- The proposed turbine position (square icon);
- The identified receptors (house icon).

Receptor details, including coordinates, distance and bearing to the proposed wind turbine, are shown in Appendix A.



Figure 3 Assessed dwelling receptors with respect to the proposed wind turbine

5 TECHNICAL ASSESSMENT

5.1 Overview

The following sections present an overview of the methodology, assumptions and modelling results. Note that the time results are given as a decimal, where 0.5 hours = 30 minutes.

5.2 Methodology and Assumptions

The model considers terrain, the relative geometry of the turbine to the receptor, the dimensions of the wind turbine and the path of the Sun across the sky throughout a single year. All results are analysed with respect to reference limits of 30 minutes per day and/or 30 hours per year.

The main parameters for the assessment are presented in Table 3 below and on the following page.

	Pager Power Assessment
Terrain Model	OSGB 50m DTM
Software	Windfarm R4
Turbines	1
Assessment area	N/A
Minimum sun height over horizon	2 degrees
Meteorological assessment	Assessment considered clear skies
Windows	1 window per dwelling 1 metre by 1 metre with a centre that is 1.5 metres above ground level Used orientation of windows based on the conservative assumption that windows face the nearest proposed wind turbine.
Eye height	1.5m above ground level

Table 3 Key parameters for the shadow flicker assessment

5.3 Shadow Flicker Results Summary

The result summary for the assessment for the 48 dwellings is presented in Table 4 below.

Number of receptors predicted to experience no shadow flicker	Number of receptors predicted to experience less than 30 minutes per day and less than 30 hours per year	Number of receptors predicted to experience more than 30 minutes per day and/or more than 30 hours per year	Maximum hours per day predicted at any receptor	Maximum hours per year predicted at any receptor
6	9	33	0.77 (Dwelling 36)	51.4 (Dwelling 5)

Table 4 Results summary – effects at receptors

5.4 Detailed Shadow Flicker Results

5.4.1 Shadow Flicker Effects Per Receptor

Table 5 on the following page quantifies the shadow flicker effects per dwelling, where 0.5 (maximum) hours refers to the threshold limit of 30 minutes. Results are highlighted yellow where the shadow flicker goes above the threshold limits for a dwelling.

Dwelling	Days per year of shadow flicker	Maximum hours per day	Mean hours per day	Total hours per year
1	23	0.30	0.24	5.5
2	33	0.40	0.32	10.5
3	51	0.56	0.45	23.1
4	69	0.68	0.57	39.7
5	97	0.63	0.53	51.4
6	84	0.63	0.47	39.5
7	48	0.58	0.46	21.9
8	47	0.58	0.46	21.4
9	47	0.58	0.45	21.0
10	44	0.55	0.43	18.8
11	45	0.58	0.46	20.5

Dwelling	Days per year of shadow flicker	Maximum hours per day	Mean hours per day	Total hours per year
12	42	0.55	0.44	18.5
13	45	0.58	0.46	20.5
14	44	0.58	0.46	20.3
15	42	0.47	0.37	15.6
16	42	0.48	0.39	16.2
17	44	0.48	0.37	16.4
18	46	0.49	0.38	17.5
19	49	0.50	0.38	18.8
20	50	0.51	0.40	20.0
21	54	0.52	0.40	21.4
22	56	0.53	0.41	23.1
23	60	0.54	0.41	24.7
24	66	0.55	0.43	28.3
25	79	0.56	0.42	33.2
26	91	0.57	0.43	38.7
27	89	0.57	0.44	39.5
28	87	0.57	0.45	39.1
29	85	0.57	0.46	39.0
30	83	0.57	0.47	39.0
31	81	0.57	0.48	38.8
32	79	0.56	0.49	38.3
33	77	0.56	0.49	37.8

Dwelling	Days per year of shadow flicker	Maximum hours per day	Mean hours per day	Total hours per year
34	75	0.56	0.50	37.3
35	65	0.55	0.48	31.4
36	67	0.77	0.65	43.6
37	30	0.40	0.32	9.6
38	0	0.00	0.00	0.0
39	0	0.00	0.00	0.0
40	0	0.00	0.00	0.0
41	0	0.00	0.00	0.0
42	0	0.00	0.00	0.0
43	0	0.00	0.00	0.0
44	67	0.48	0.40	26.5
45	75	0.52	0.43	32.1
46	57	0.47	0.36	20.6
47	92	0.56	0.40	37.0
48	63	0.64	0.49	30.9

Table 5 Results – shadow flicker per receptor

5.5 Shadow Flicker Date Time Graph

Figure 4 below illustrates the combined shadow flicker times for all receptors from the proposed wind turbine (red hatched areas). The red lines illustrate the sunrise and sunset times. The Shadow Flicker is only possible within a few hours of sunrise/sunset when the sun is relatively low in the sky.

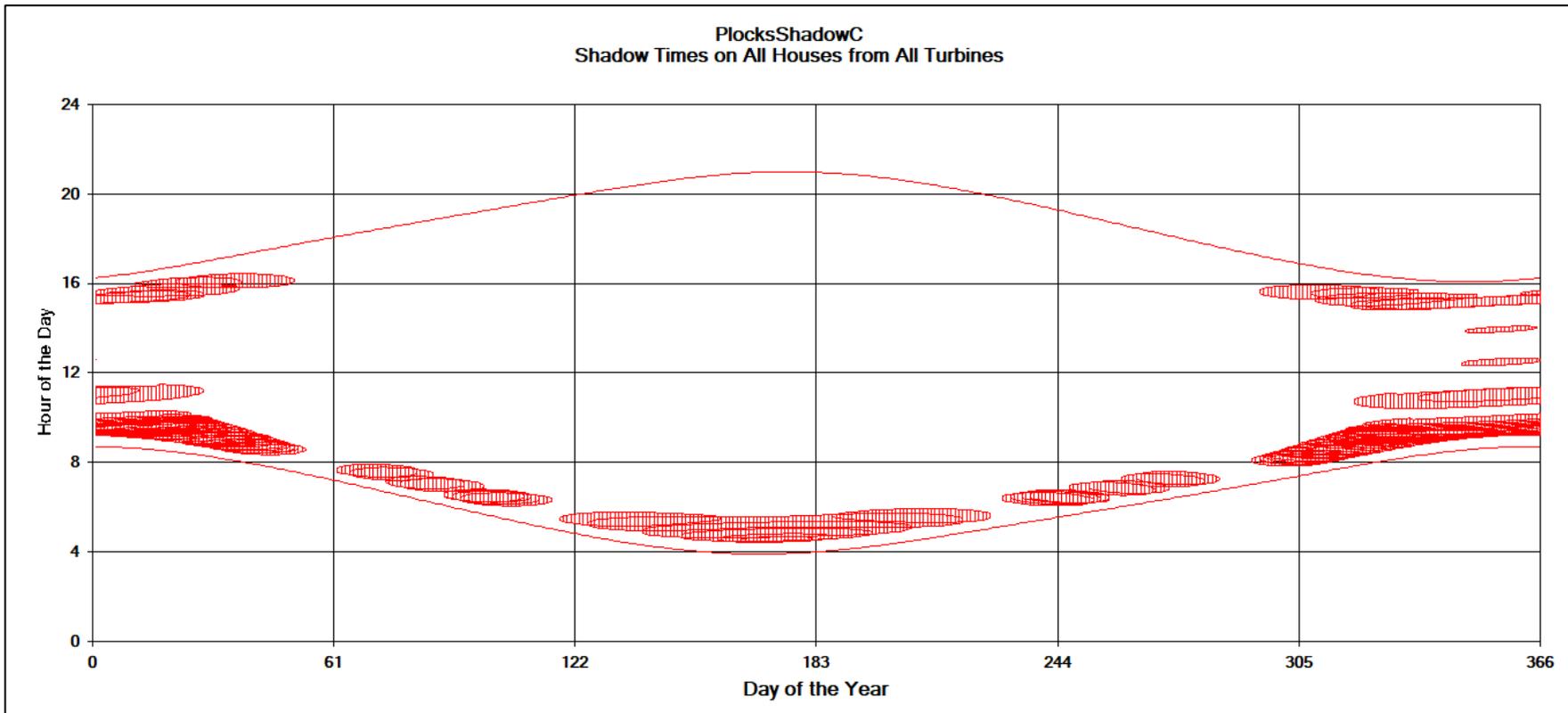


Figure 4 Shadow flicker times - all receptors

5.6 Further Analysis

5.6.1 Overview

For all dwellings where the duration of effects are predicted to exceed the reference thresholds of 30 minutes per day and/or 30 hours per year, further analysis has been conducted to assess whether dwellings are likely to experience effects in practice. Effects are only likely if views of the turbine are possible from the dwelling, meaning that they are not significantly screened and have a window facing the turbine.

Where it can be demonstrated that dwellings will not have sight of the turbine, these dwellings may be excluded from any shutdown scheme.

5.6.2 Analysis

Following a review of drone photography, it is determined that dwelling 10 does not have any primary windows which face the proposed turbine. No impact is therefore predicted in practice, and dwelling 10 does not require consideration within the shutdown scheme.

In addition, dwellings 47 and 48 are predicted not to have views of the proposed turbine due to intervening screening in the form of existing mature trees near the dwellings. These dwellings may also be excluded from any shutdown scheme.

Figures 5 to 7, on the following pages, demonstrate the above and show the relevant factors of the analysis.



Figure 5 View of dwelling 10, showing no windows on the side facing the proposed turbine



Figure 6 View of dwelling 47 (from 04/2010), showing the identified mature tree screening, inset shows a view facing dwelling 47 (from 04/2025)



Figure 7 View of dwelling 48 (from 04/2010), showing the identified mature tree screening, inset shows a view facing dwelling 48 (from 04/2025)

6 CONCLUSIONS

6.1 Results Overview

The overall conclusions are presented below:

- The modelling results indicate that 33 dwellings would receive shadow flicker effects for more than the reference threshold limit of 30 minutes per day and/or 30 hours per year;
- Three of these dwellings are not predicted to experience effects in practice;
- Mitigation in the form of a shutdown scheme is recommended for the remaining dwellings.

6.2 Mitigation

The developer is aware that shadow flicker (dependent on weather on certain days) may impact the assessed properties. The modelling results indicate that 33 dwellings would receive shadow flicker effects for more than the reference limits of 30 minutes per day and 30 hours per year, but three of these dwellings are not predicted to experience effects in practice.

It is recommended that shadow flicker effects are reduced to less than the reference limits i.e. to less than 30 minutes per day and 30 hours per year. This could be achieved either by a shutdown scheme or a technical solution such as a light intensity detection system to determine if shadow flicker will occur during the dates/times it is geometrically possible alongside a shutdown scheme. If considered appropriate by the planning authority, the applicant would be willing to accept a condition attached to any grant of permission to limit shadow flicker for the assessed dwelling to below these reference limits.

A shutdown scheme defines the times between which a turbine should be shut down to either reduce shadow flicker effects to below the recommended threshold limits, or to eliminate all shadow flicker effects completely throughout the year, assuming clear sunny skies. The term 'shutdown' means that the rotating blade is completely still and does not move for the period of time specified.

The dates and times when shadow flicker may occur at the dwelling in question are presented in Appendix D. This information should be used to guide any shutdown scheme to mitigate shadow flicker effects.

APPENDIX A – TECHNICAL INFORMATION

Receptor information

The table below shows the receptor information incorporated into the modelling.

Receptor	Easting	Northing	Latitude (°)	Longitude (°)	Distance to Nearest Turbine (m)	Bearing of Window (°)
1	345502	418761	53.66248	-2.82621	935.90	51.68
2	345507	418784	53.66269	-2.82613	917.54	52.60
3	345481	418813	53.66295	-2.82653	921.11	55.03
4	345475	418878	53.66353	-2.82664	891.32	58.68
5	345375	418935	53.66404	-2.82816	952.17	64.77
6	345355	418992	53.66454	-2.82847	947.57	68.39
7	345249	419229	53.66666	-2.83012	993.53	83.52
8	345241	419251	53.66686	-2.83025	999.37	84.84
9	345238	419274	53.66706	-2.83030	1000.69	86.15
10	345180	419275	53.66707	-2.83116	1057.63	86.44
11	345252	419408	53.66827	-2.83010	986.20	93.88
12	345206	419447	53.66862	-2.83080	1035.04	95.87
13	345276	419549	53.66954	-2.82976	981.87	102.24
14	345279	419590	53.66991	-2.82973	989.04	104.58
15	345149	419997	53.67356	-2.83176	1269.64	121.12
16	345172	420020	53.67376	-2.83142	1262.17	122.52
17	345190	420026	53.67382	-2.83115	1250.31	123.24
18	345211	420034	53.67389	-2.83083	1237.27	124.07

Receptor	Easting	Northing	Latitude (°)	Longitude (°)	Distance to Nearest Turbine (m)	Bearing of Window (°)
19	345250	420035	53.67391	-2.83024	1205.91	125.16
20	345277	420059	53.67412	-2.82984	1198.15	126.81
21	345308	420057	53.67411	-2.82938	1172.63	127.65
22	345342	420065	53.67418	-2.82885	1150.26	129.00
23	345364	420077	53.67430	-2.82852	1141.01	130.16
24	345411	420087	53.67439	-2.82781	1111.77	132.12
25	345447	420100	53.67452	-2.82727	1095.10	133.91
26	345480	420110	53.67460	-2.82678	1078.52	135.48
27	345502	420124	53.67473	-2.82645	1073.41	136.84
28	345514	420128	53.67477	-2.82626	1067.85	137.48
29	345526	420133	53.67482	-2.82609	1064.10	138.12
30	345538	420137	53.67486	-2.82590	1058.79	138.78
31	345551	420143	53.67491	-2.82571	1054.81	139.49
32	345564	420148	53.67496	-2.82552	1050.70	140.21
33	345579	420153	53.67500	-2.82528	1044.05	141.03
34	345602	420154	53.67501	-2.82493	1030.75	142.08
35	345650	420187	53.67531	-2.82421	1028.58	145.30
36	345989	420018	53.67383	-2.81906	720.85	159.94
37	345954	420197	53.67544	-2.81961	901.61	161.80
38	346183	420323	53.67660	-2.81617	983.84	176.92
39	346204	420345	53.67679	-2.81585	1004.29	178.18

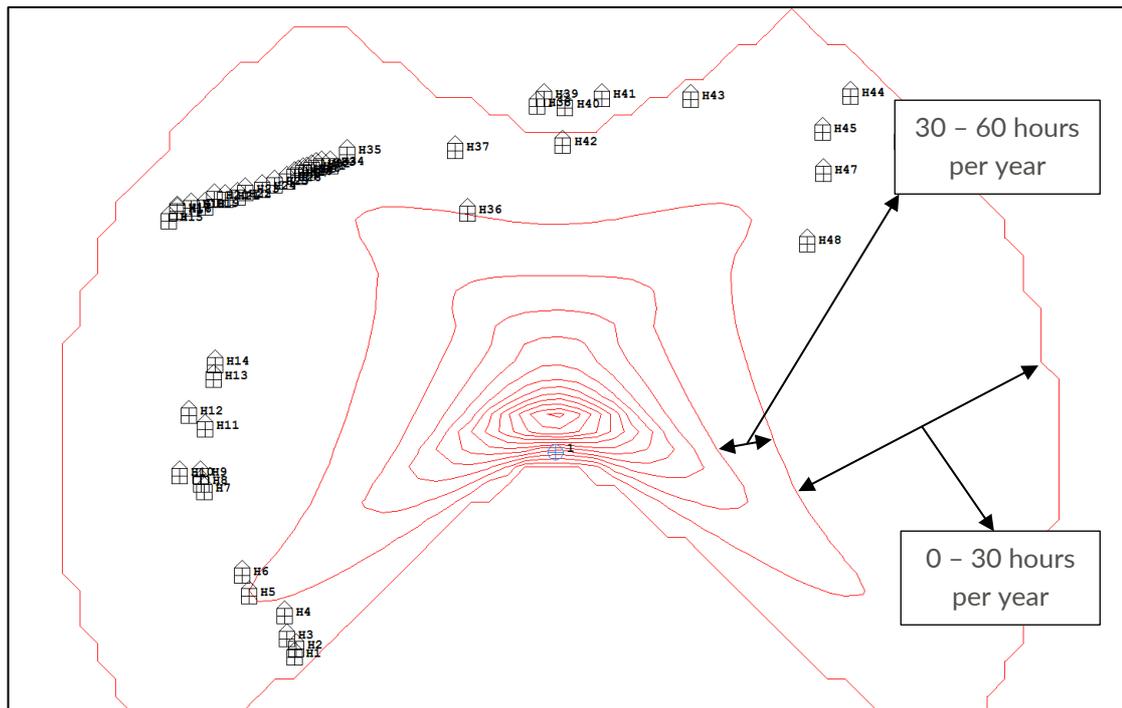
Receptor	Easting	Northing	Latitude (°)	Longitude (°)	Distance to Nearest Turbine (m)	Bearing of Window (°)
40	346263	420318	53.67656	-2.81497	977.78	181.56
41	346367	420345	53.67681	-2.81339	1012.18	187.46
42	346256	420211	53.67560	-2.81504	870.62	181.33
43	346616	420342	53.67681	-2.80962	1071.11	200.80
44	347064	420351	53.67694	-2.80284	1306.13	219.34
45	346986	420249	53.67601	-2.80401	1177.49	219.54
46	347209	420223	53.67580	-2.80062	1313.69	227.80
47	346989	420132	53.67496	-2.80394	1091.97	223.57
48	346943	419933	53.67317	-2.80461	922.00	230.04

Assessed receptor details

APPENDIX B - CONTOUR MAP (FLICKER BUTTERFLY)

Overview

The figure below shows the shadow flicker contours associated with the proposed wind development relative to the receptor locations. The contour spacing is 30 hours per year.



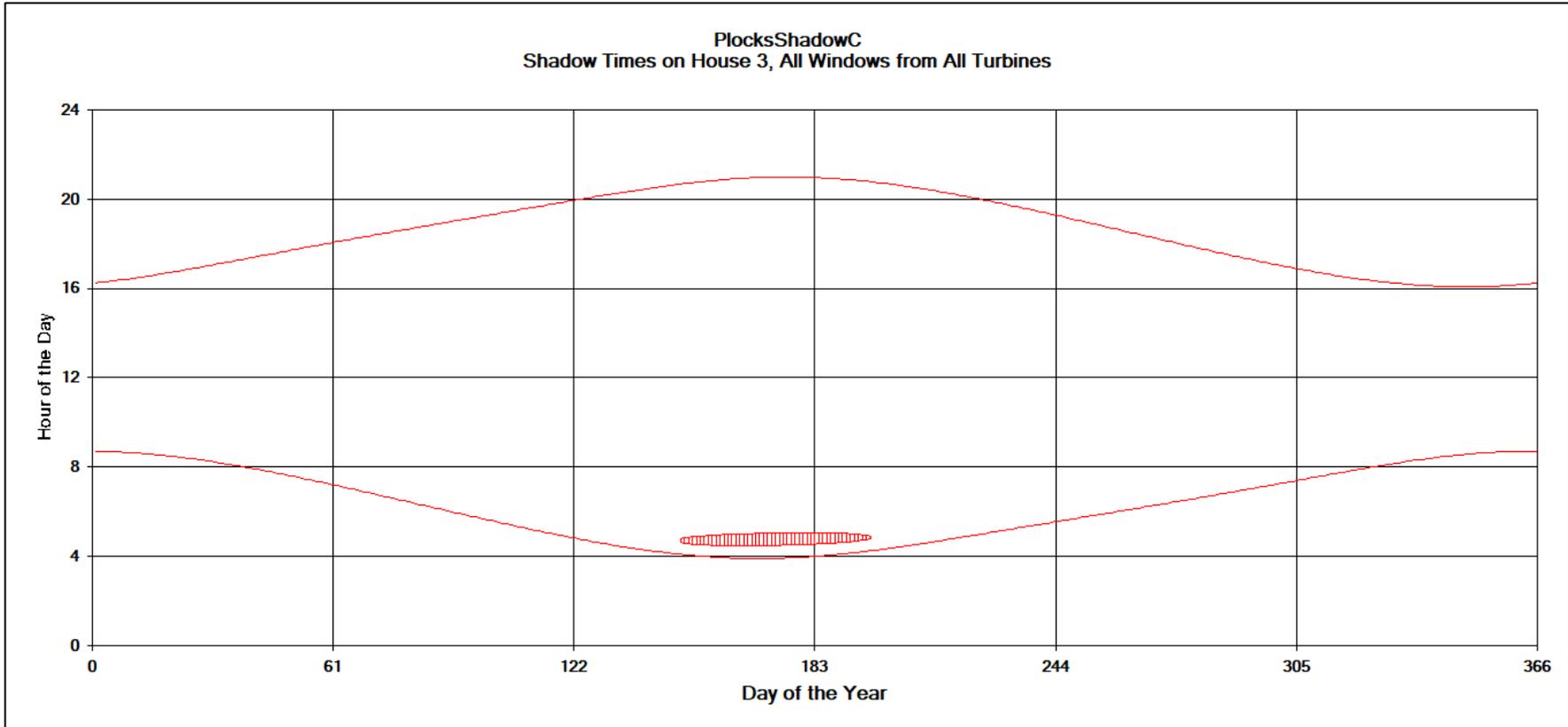
Contour Map

APPENDIX C – SHADOW FLICKER CHARTS

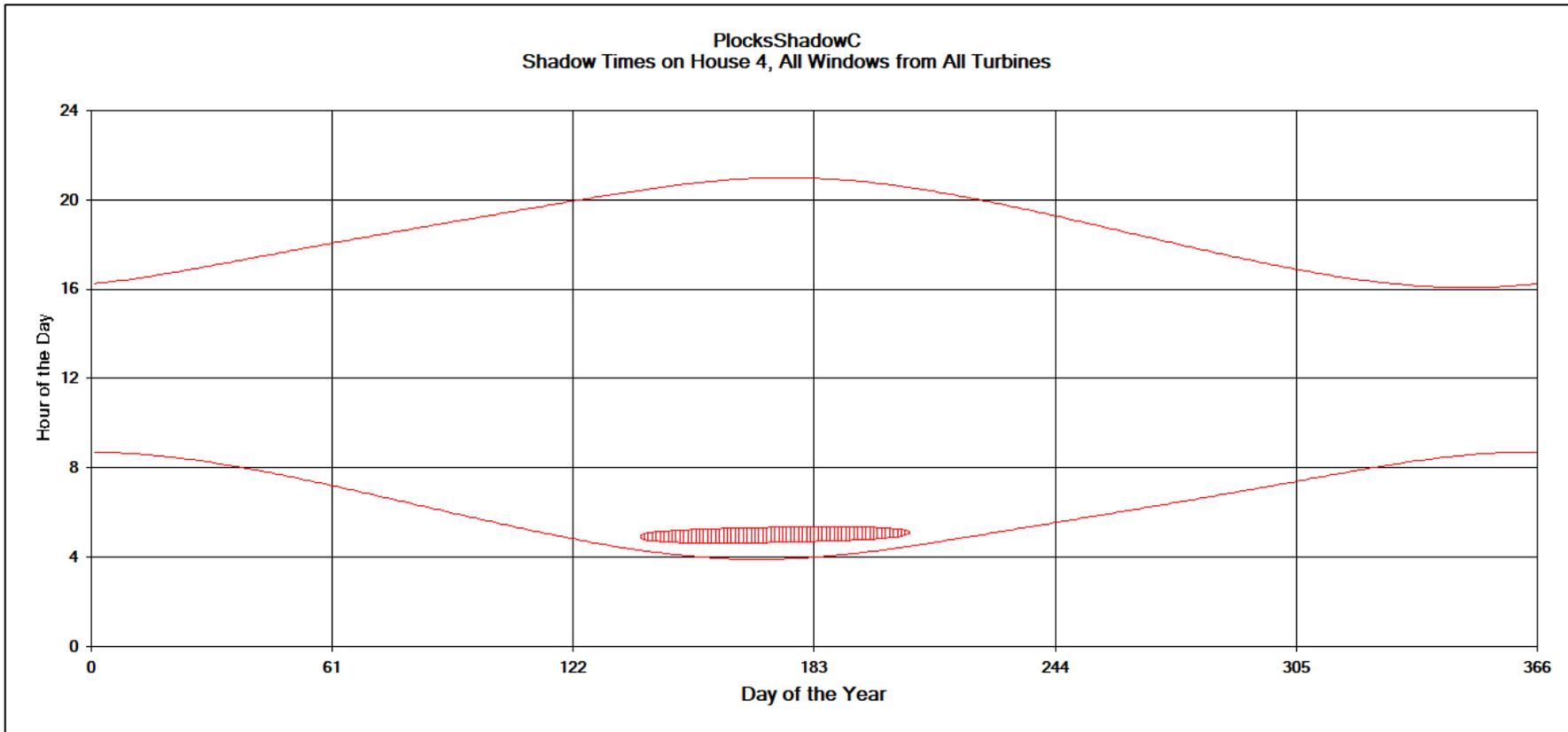
Overview

The charts on the following pages show:

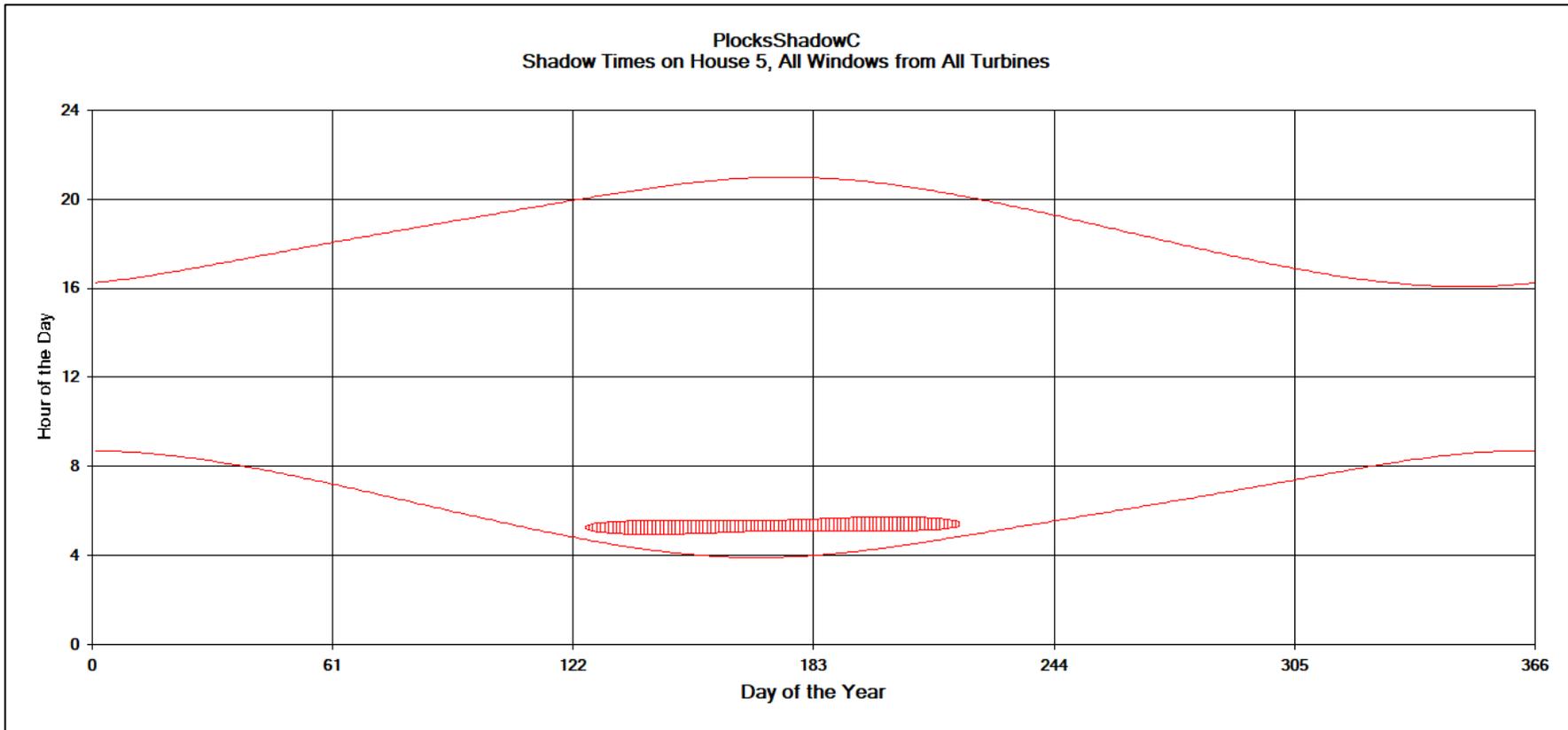
- The sunrise and sunset times throughout the year (thin red lines at the top and bottom of the chart);
- The days/times at which effects could occur (red hatched area).



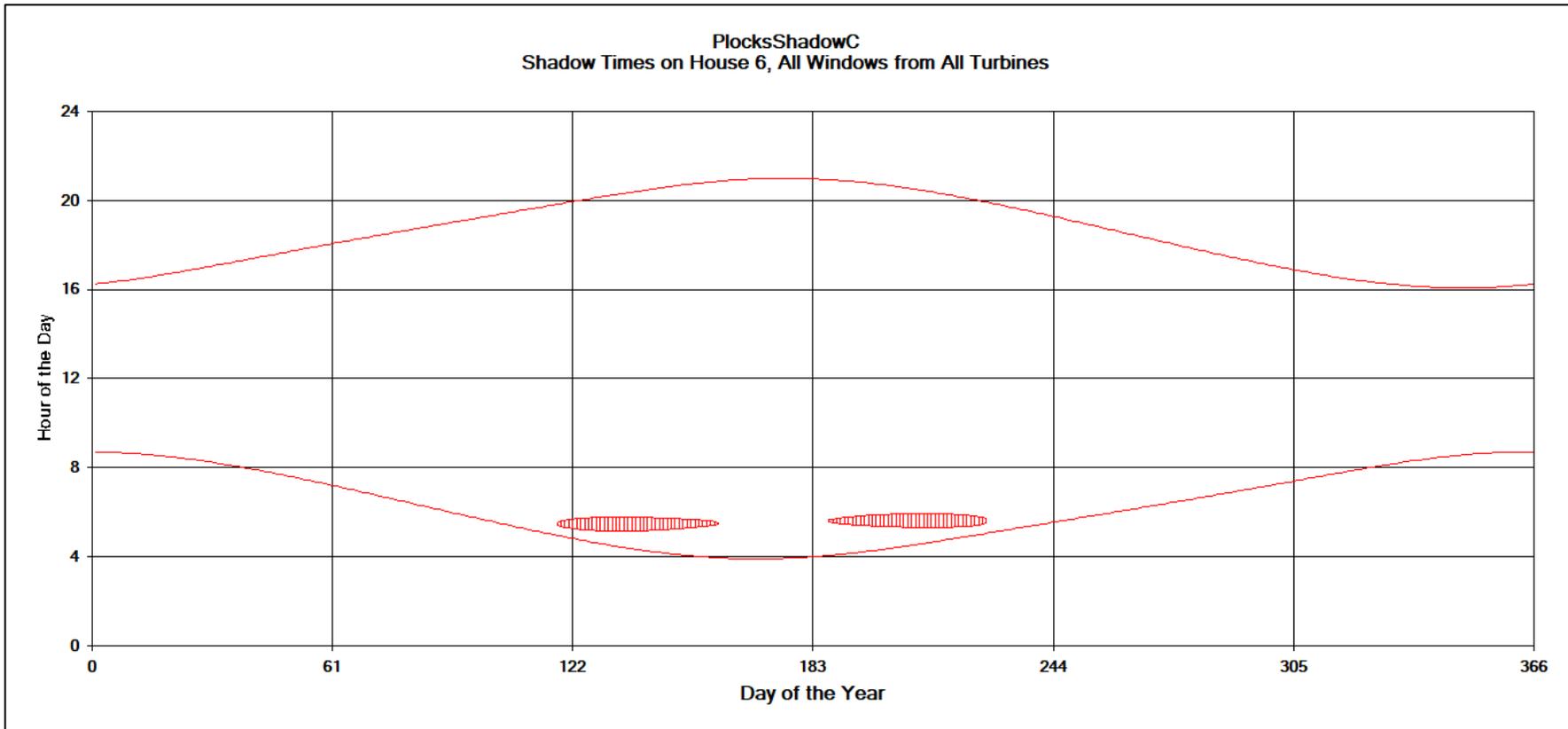
Predicted shadow flicker - dwelling 3



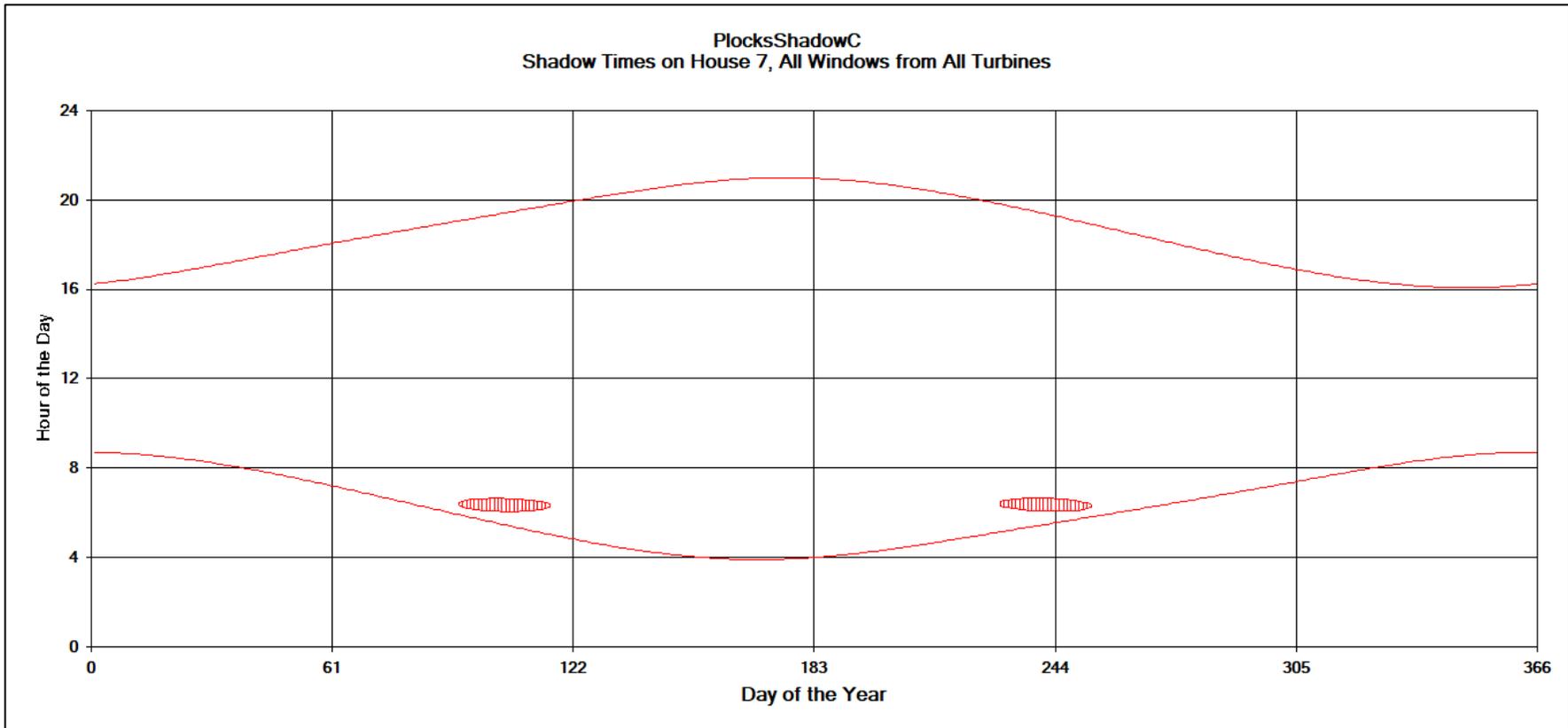
Predicted shadow flicker - dwelling 4



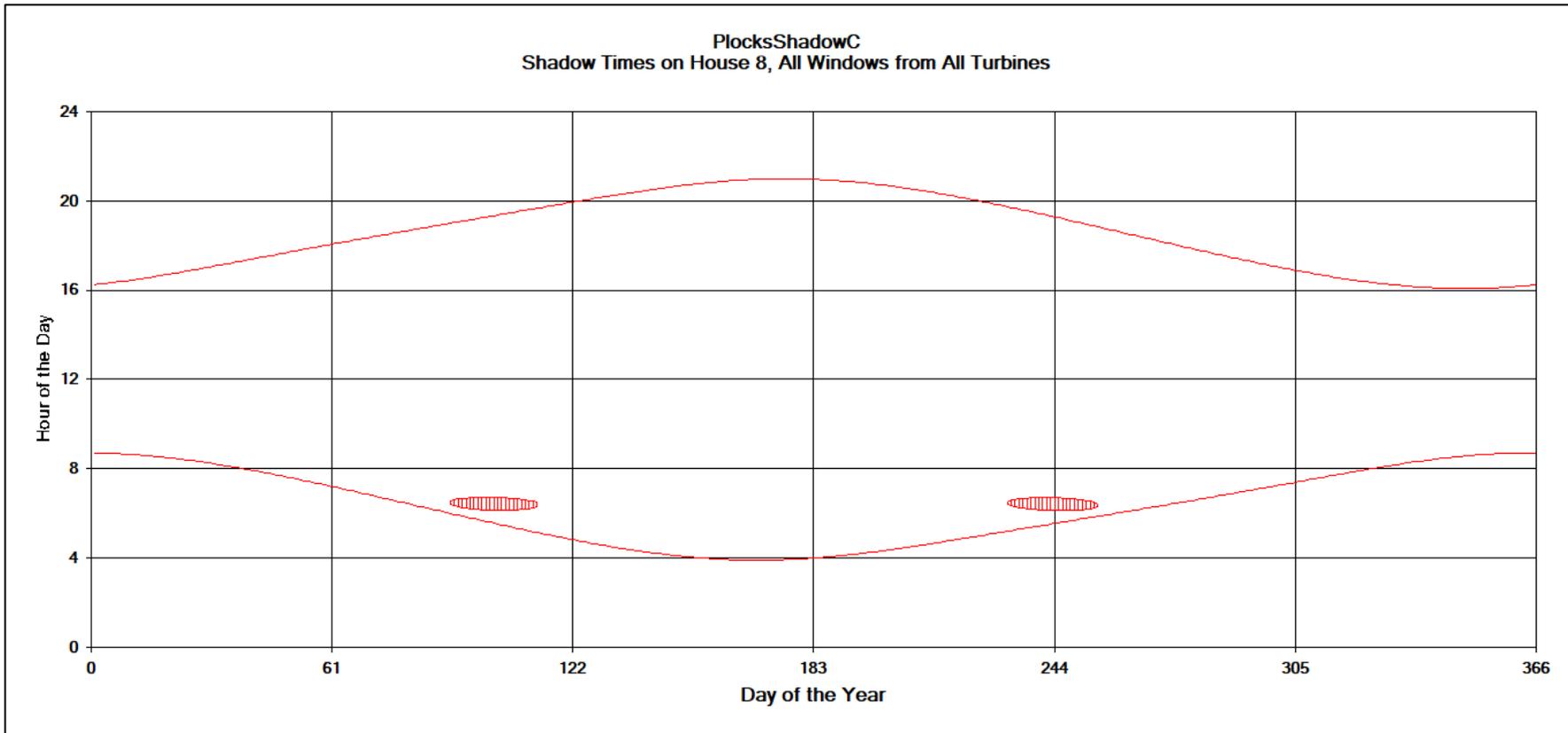
Predicted shadow flicker - dwelling 5



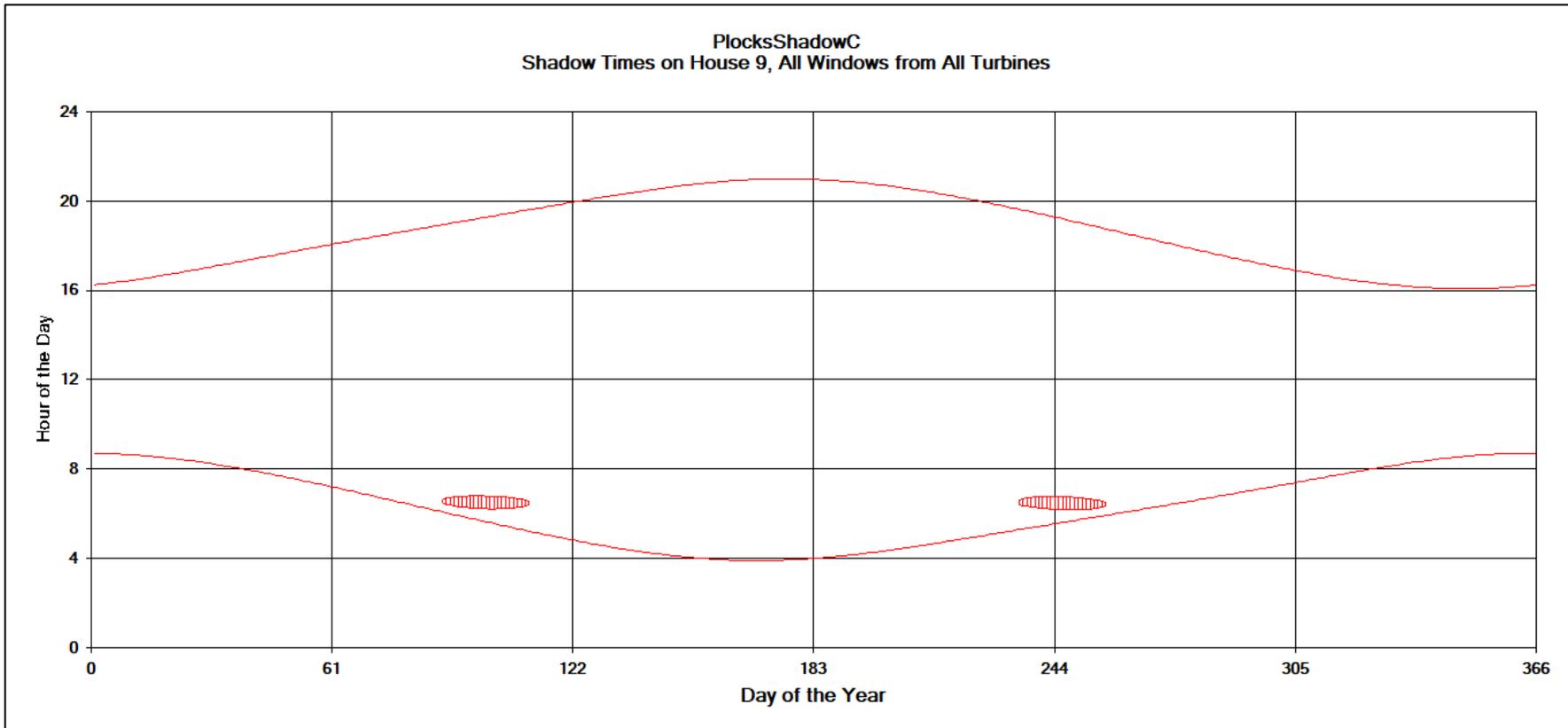
Predicted shadow flicker - dwelling 6



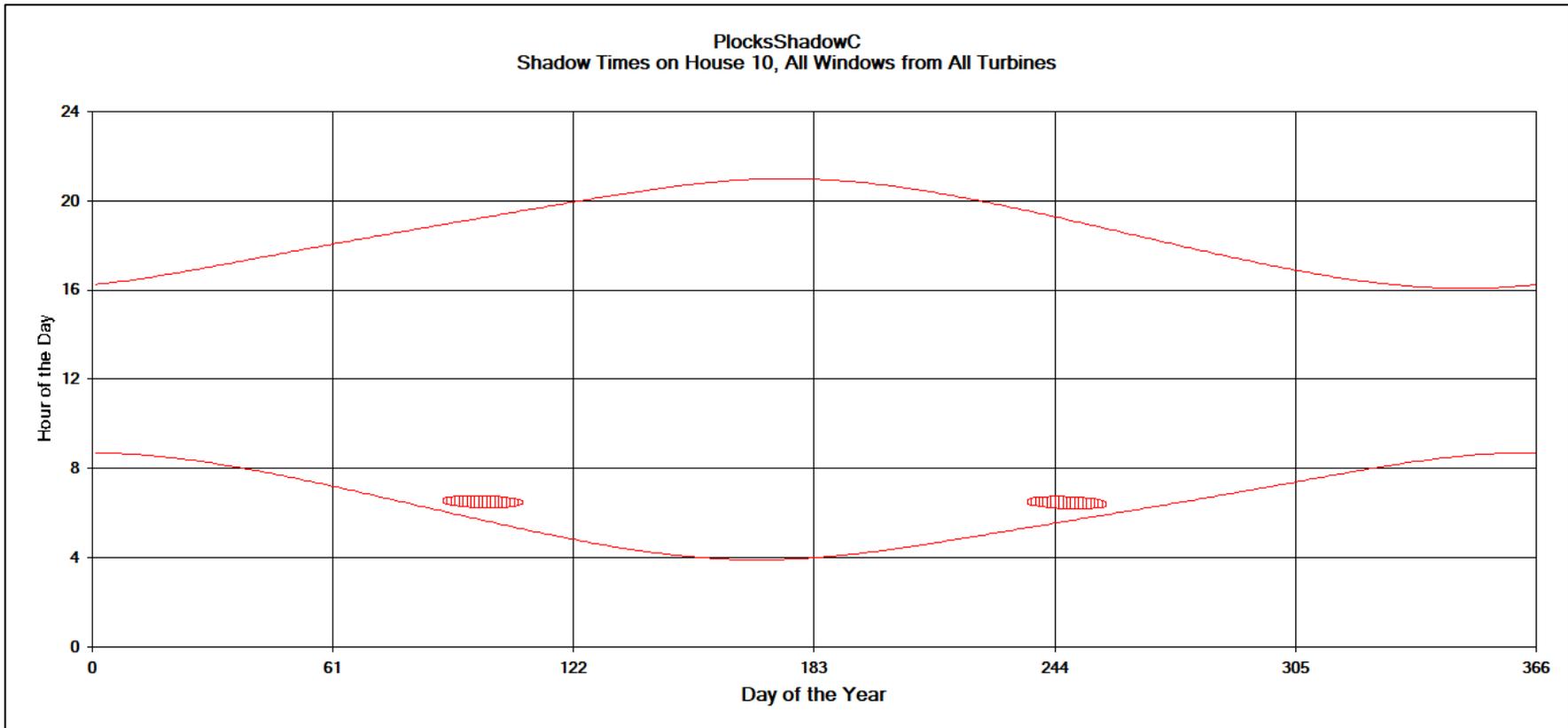
Predicted shadow flicker - dwelling 7



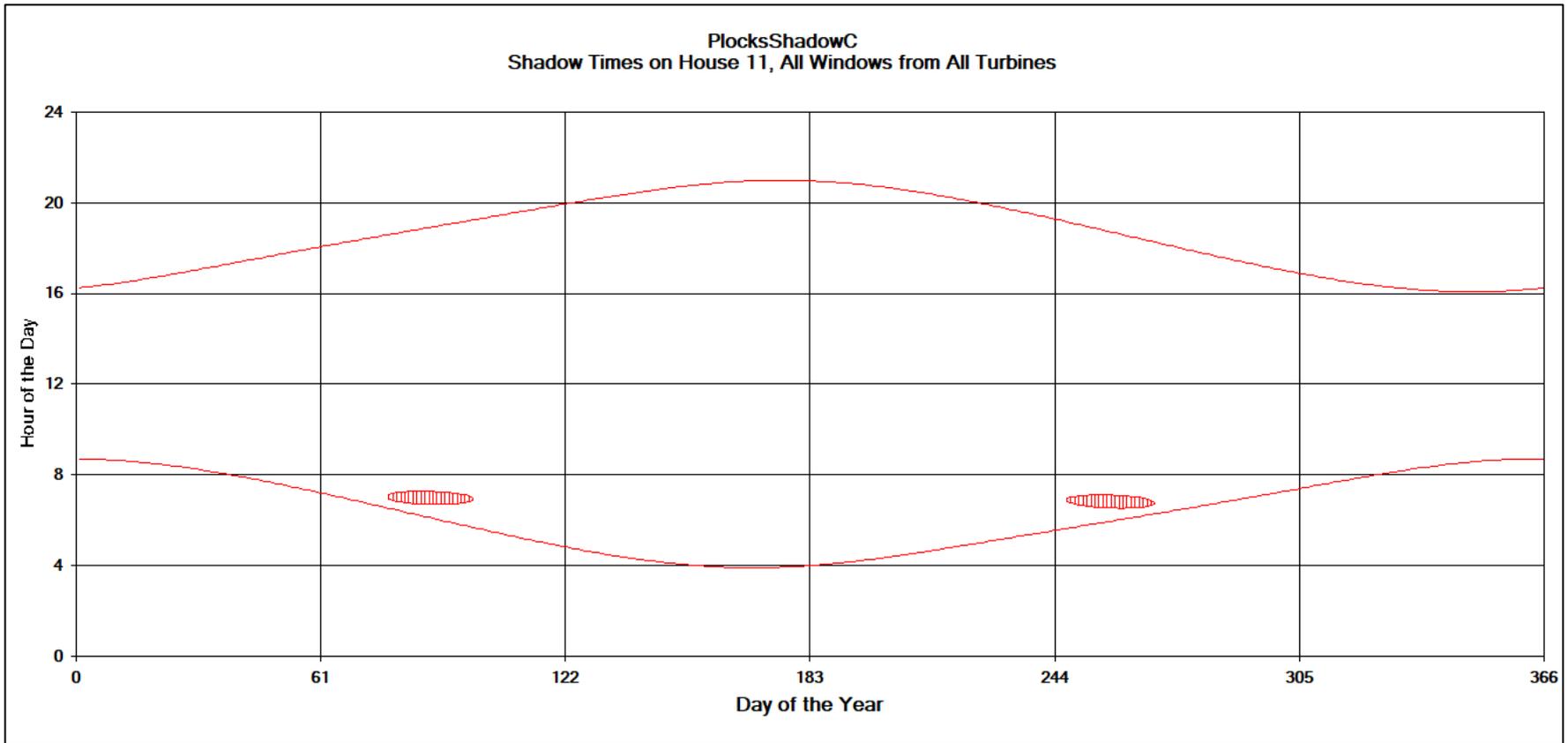
Predicted shadow flicker - dwelling 8



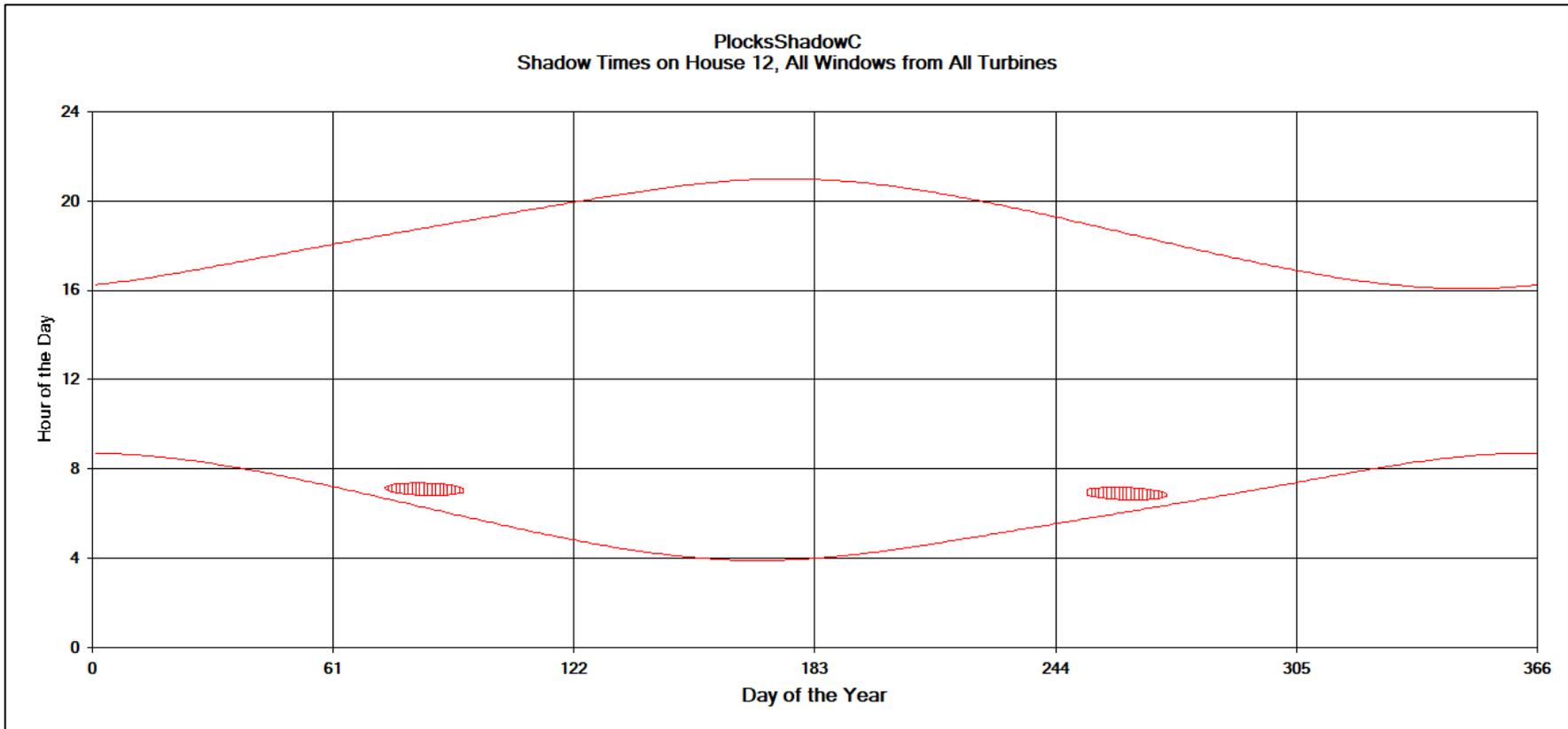
Predicted shadow flicker – dwelling 9



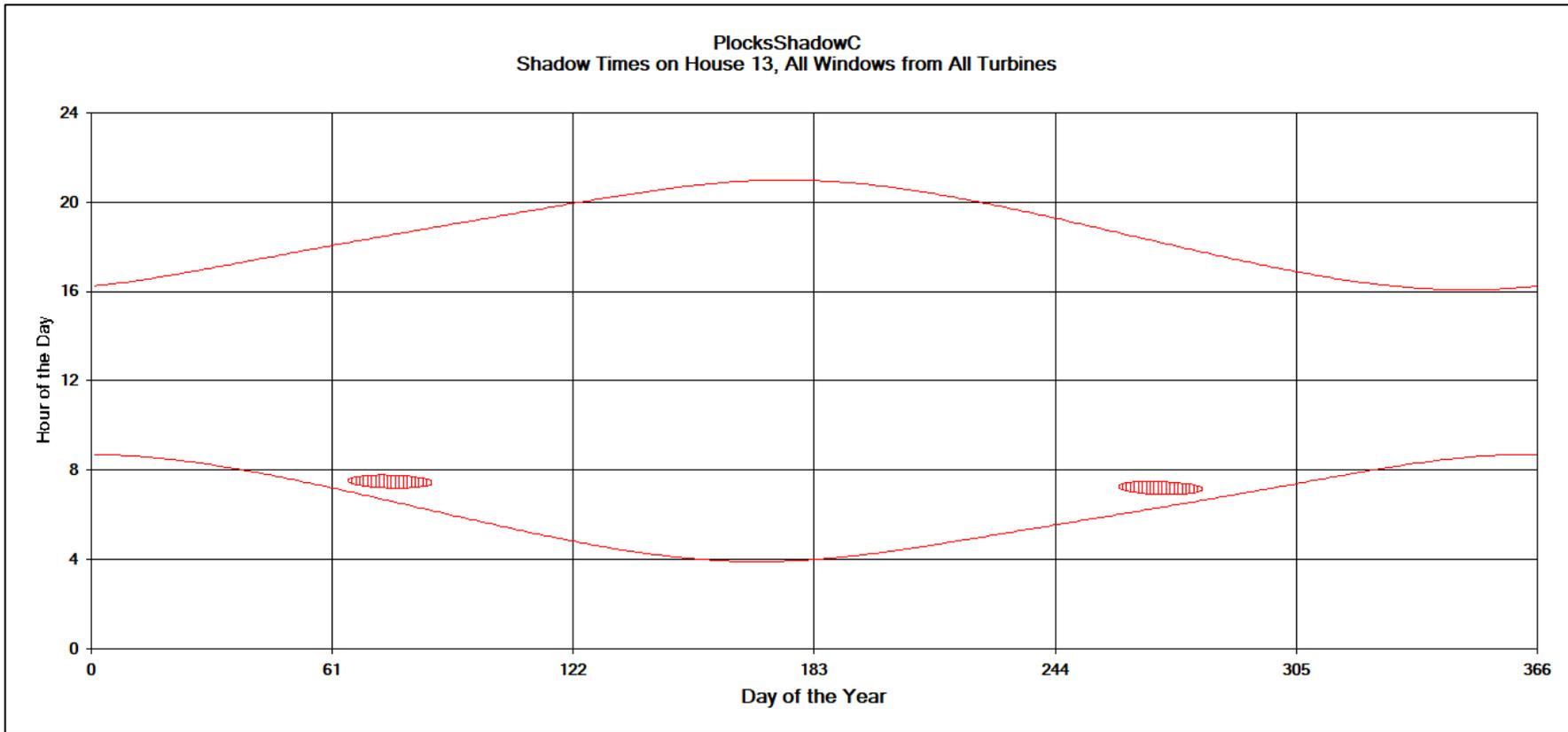
Predicted shadow flicker - dwelling 10



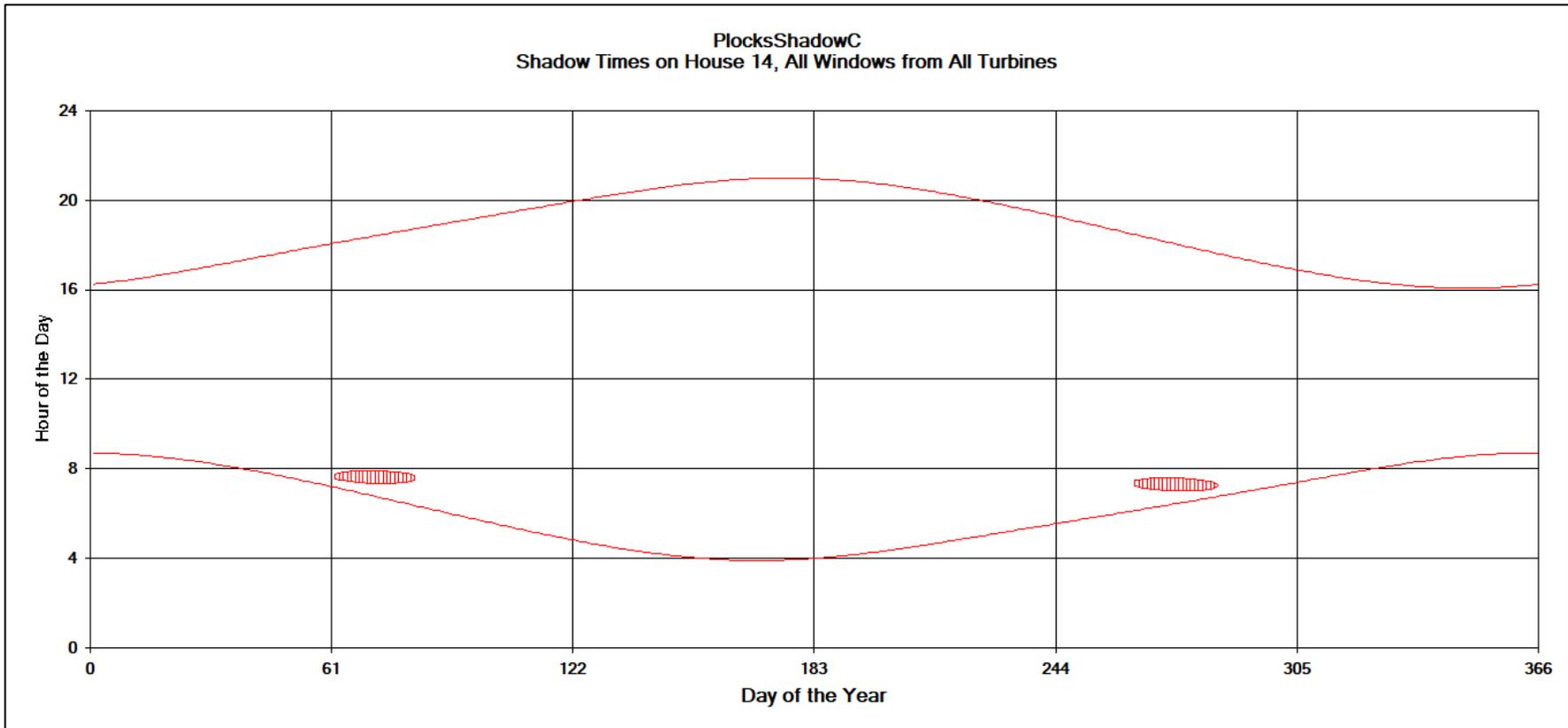
Predicted shadow flicker - dwelling 11



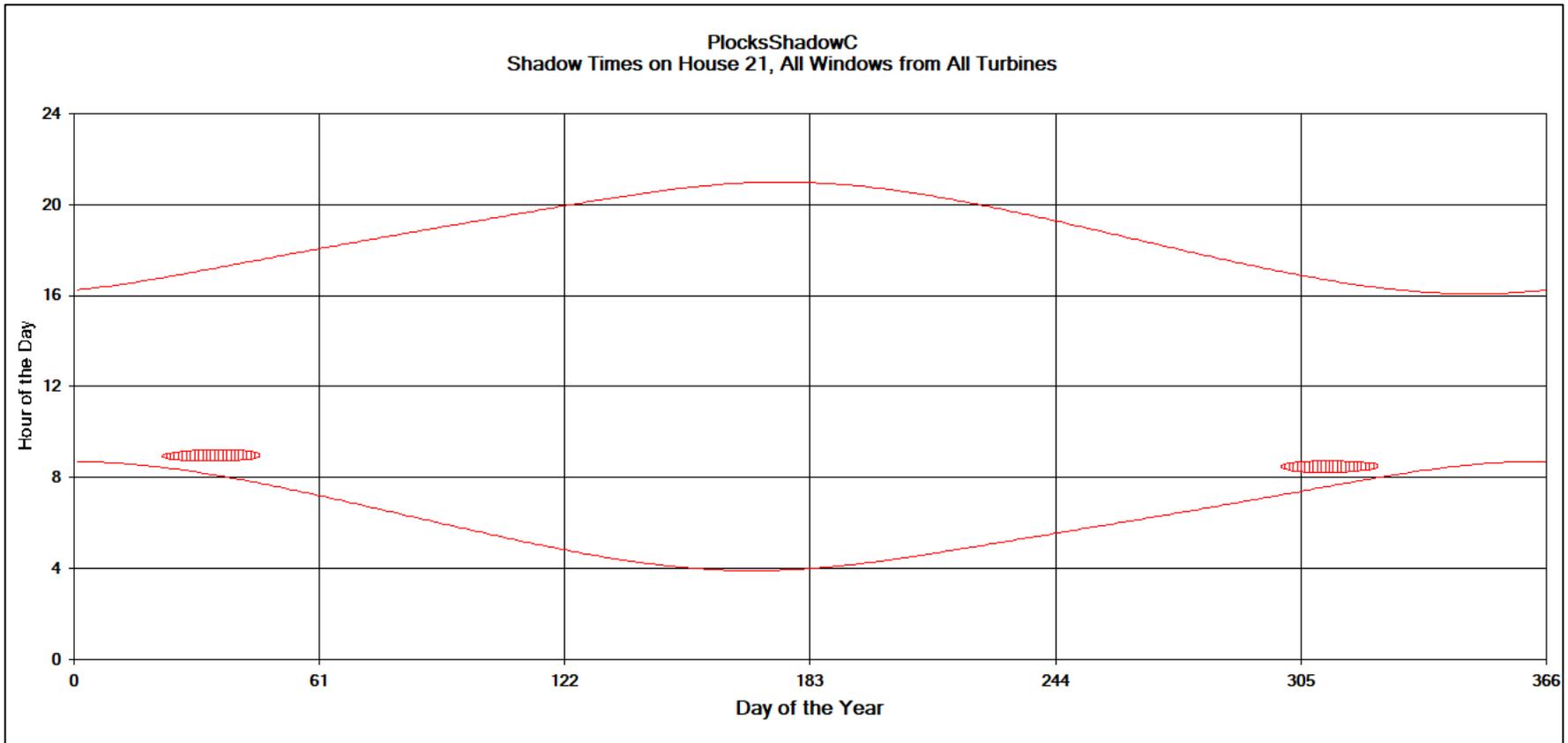
Predicted shadow flicker - dwelling 12



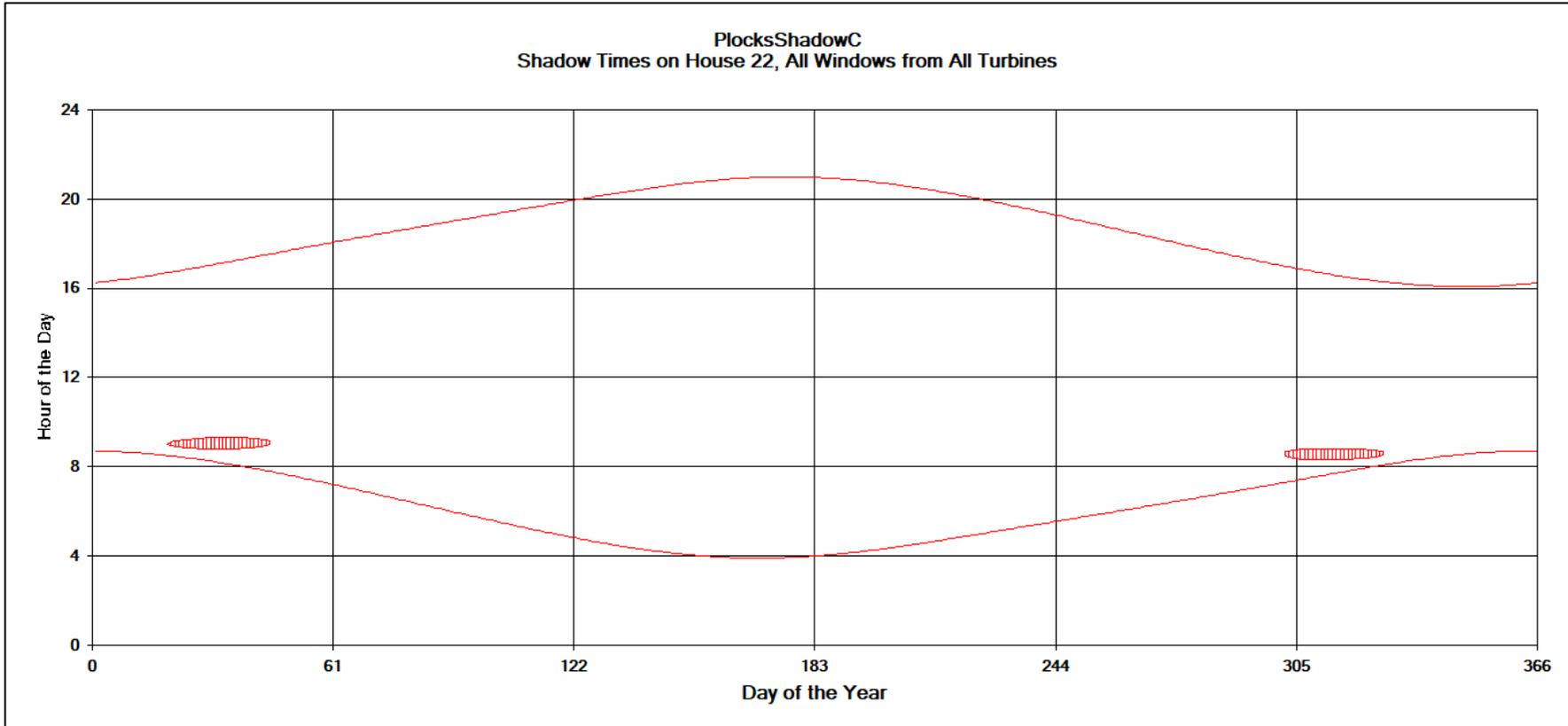
Predicted shadow flicker - dwelling 13



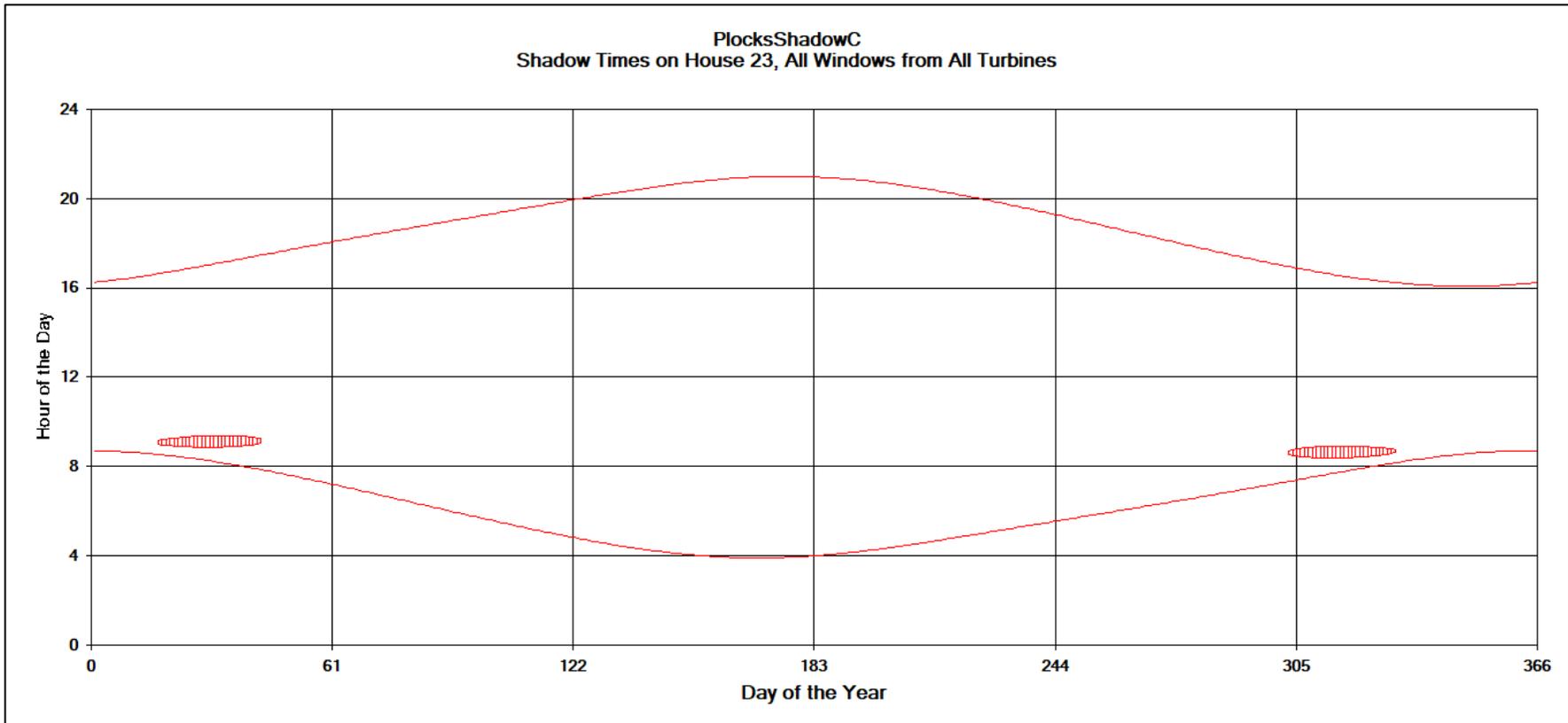
Predicted shadow flicker - dwelling 14



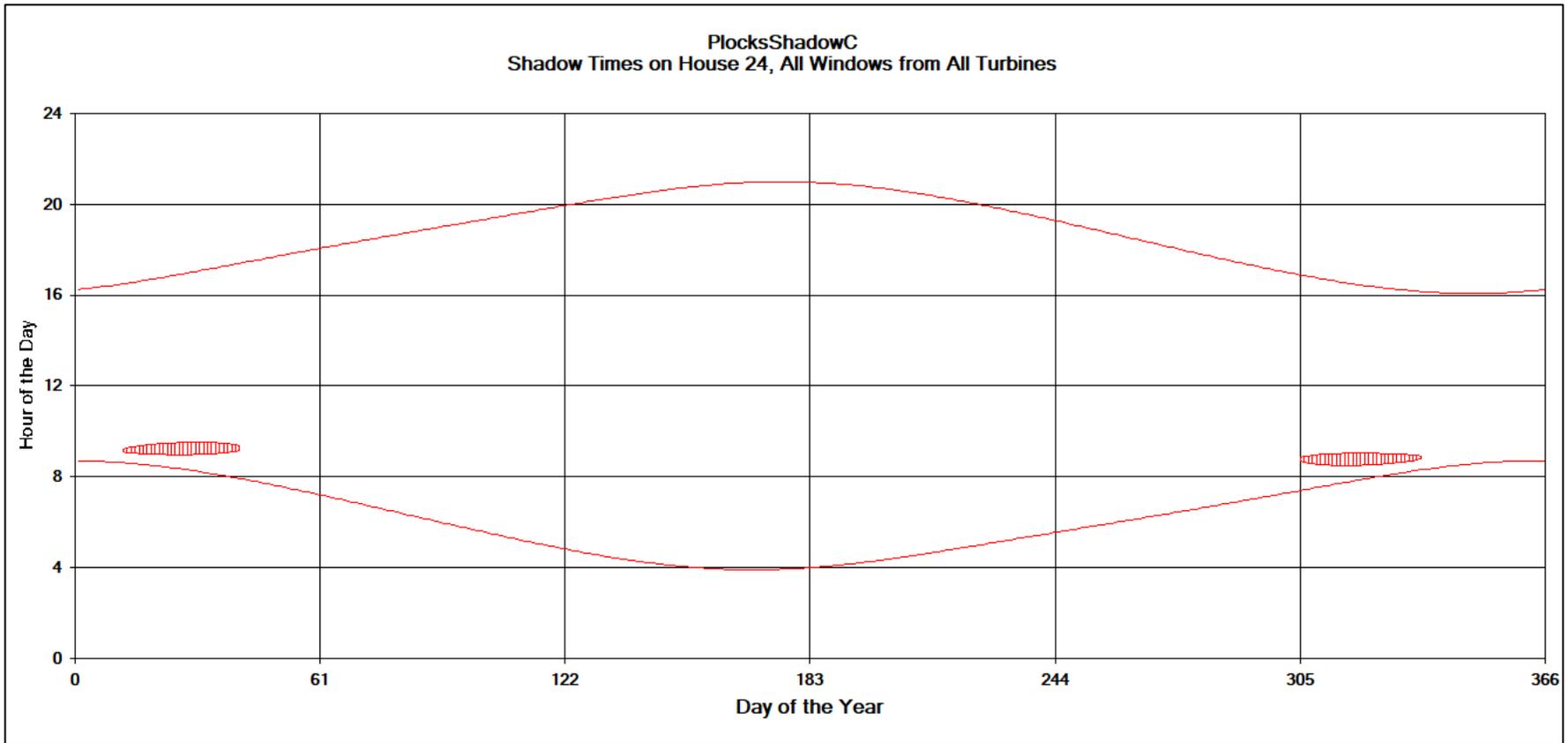
Predicted shadow flicker – dwelling 21



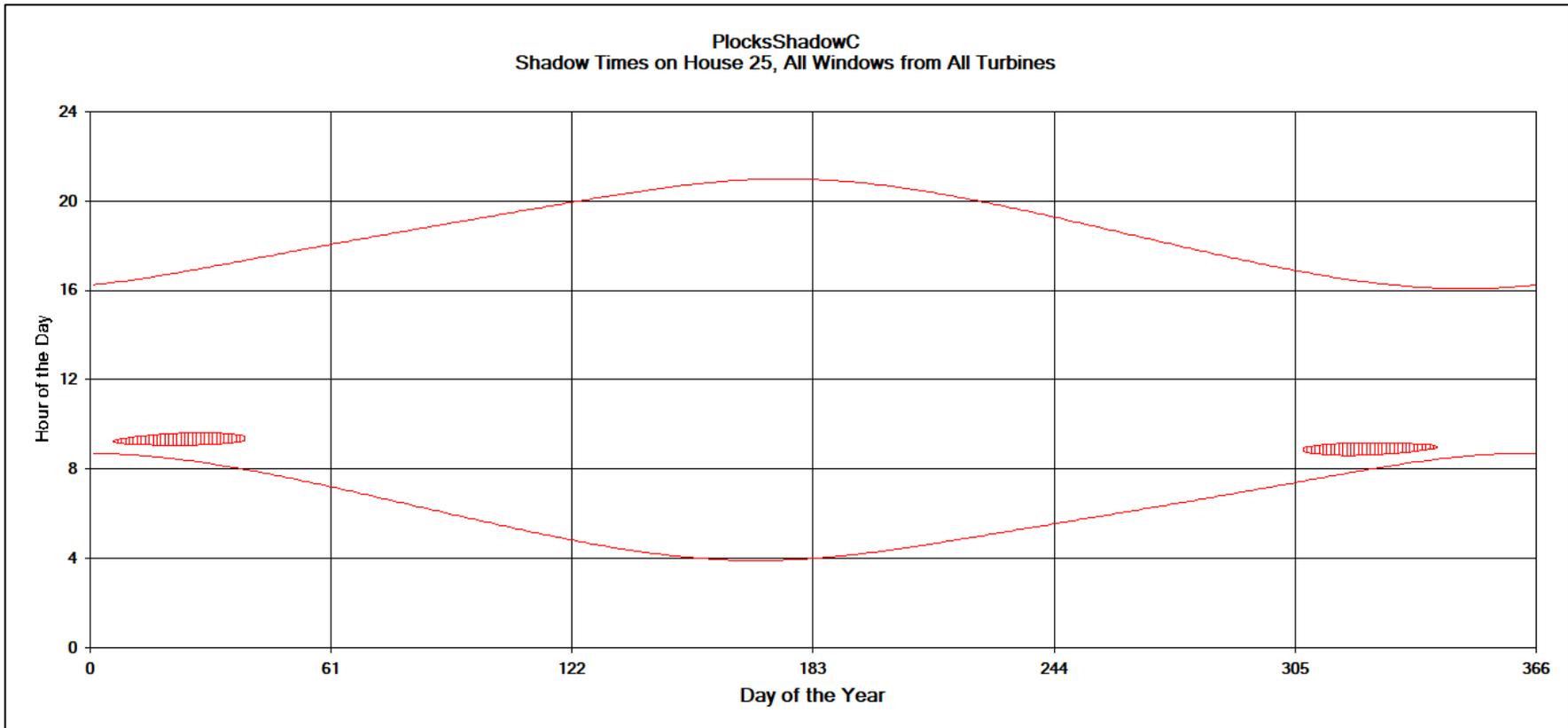
Predicted shadow flicker - dwelling 22



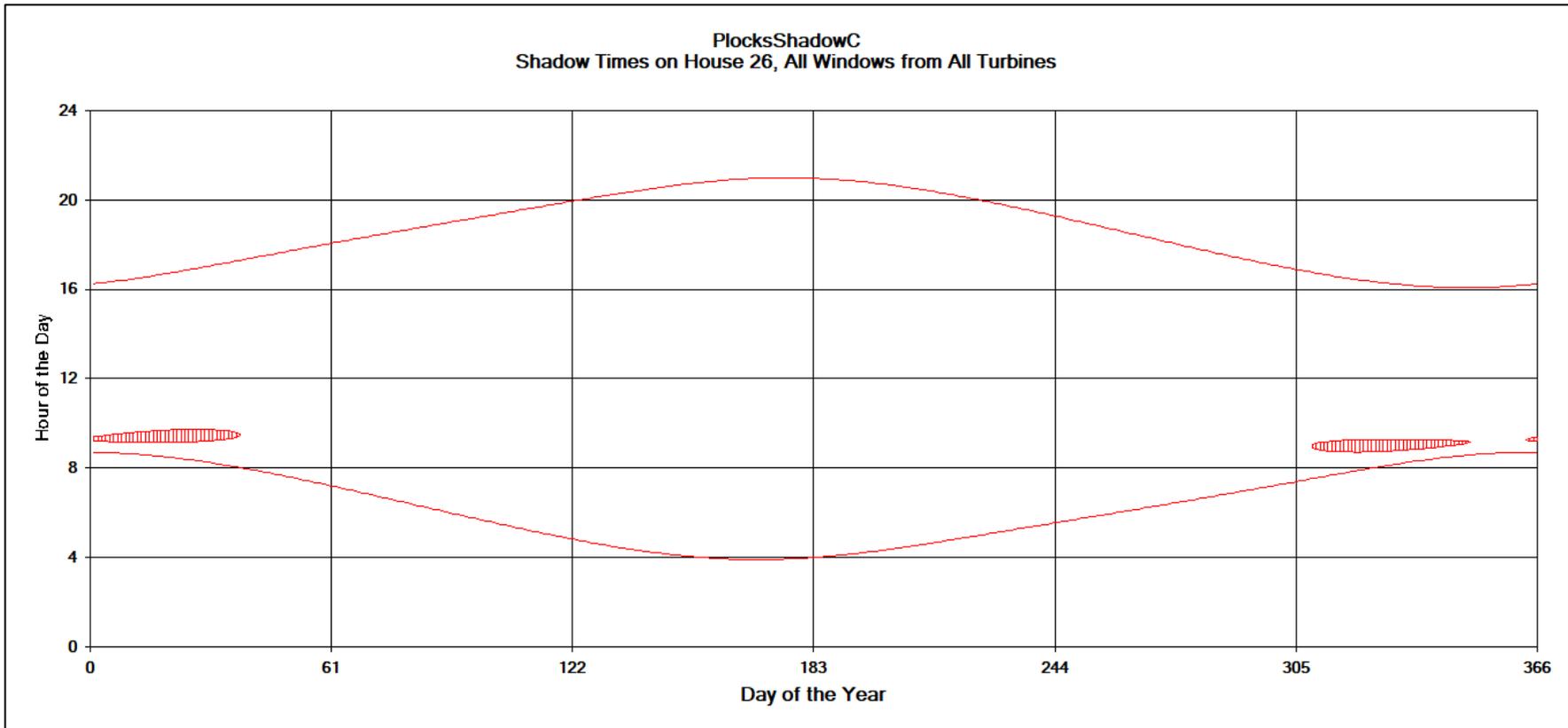
Predicted shadow flicker – dwelling 23



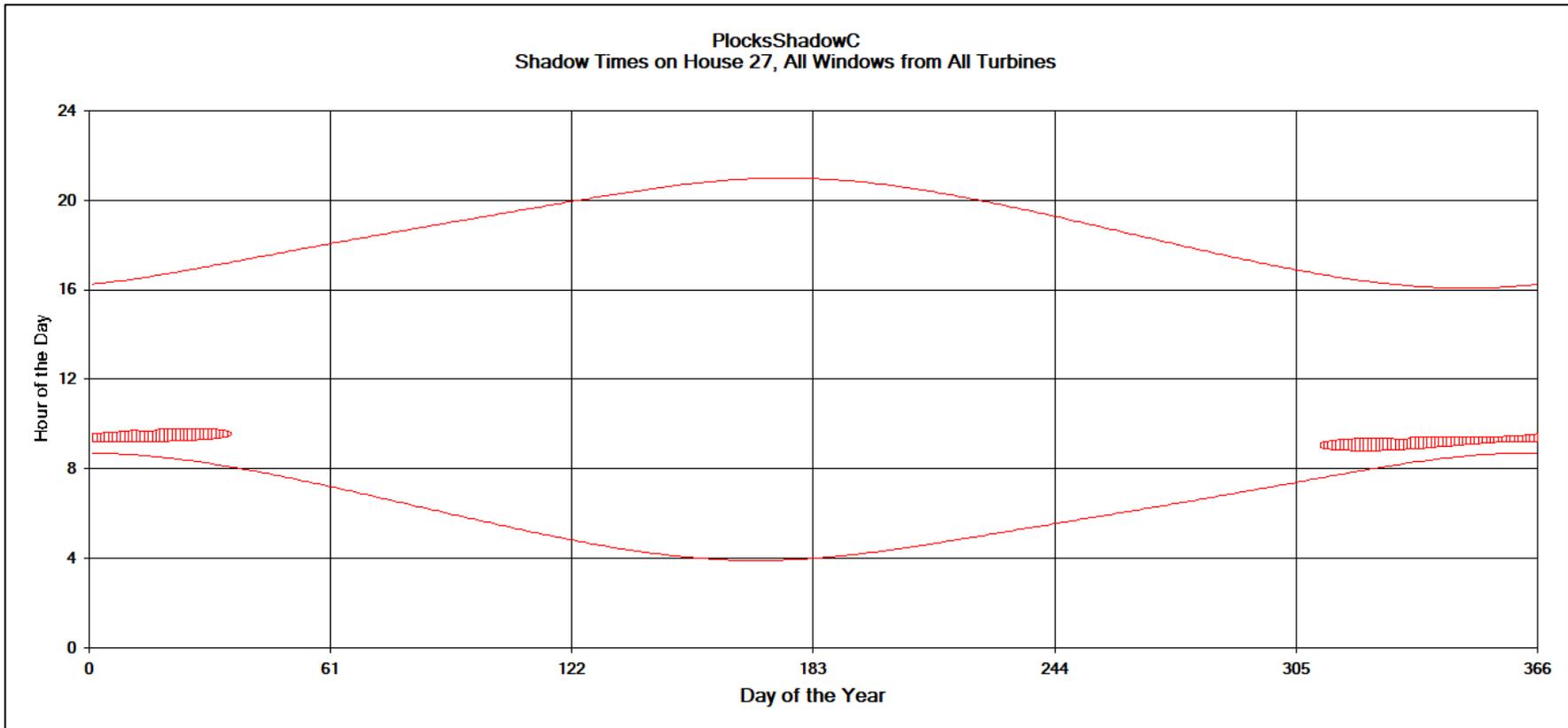
Predicted shadow flicker - dwelling 24



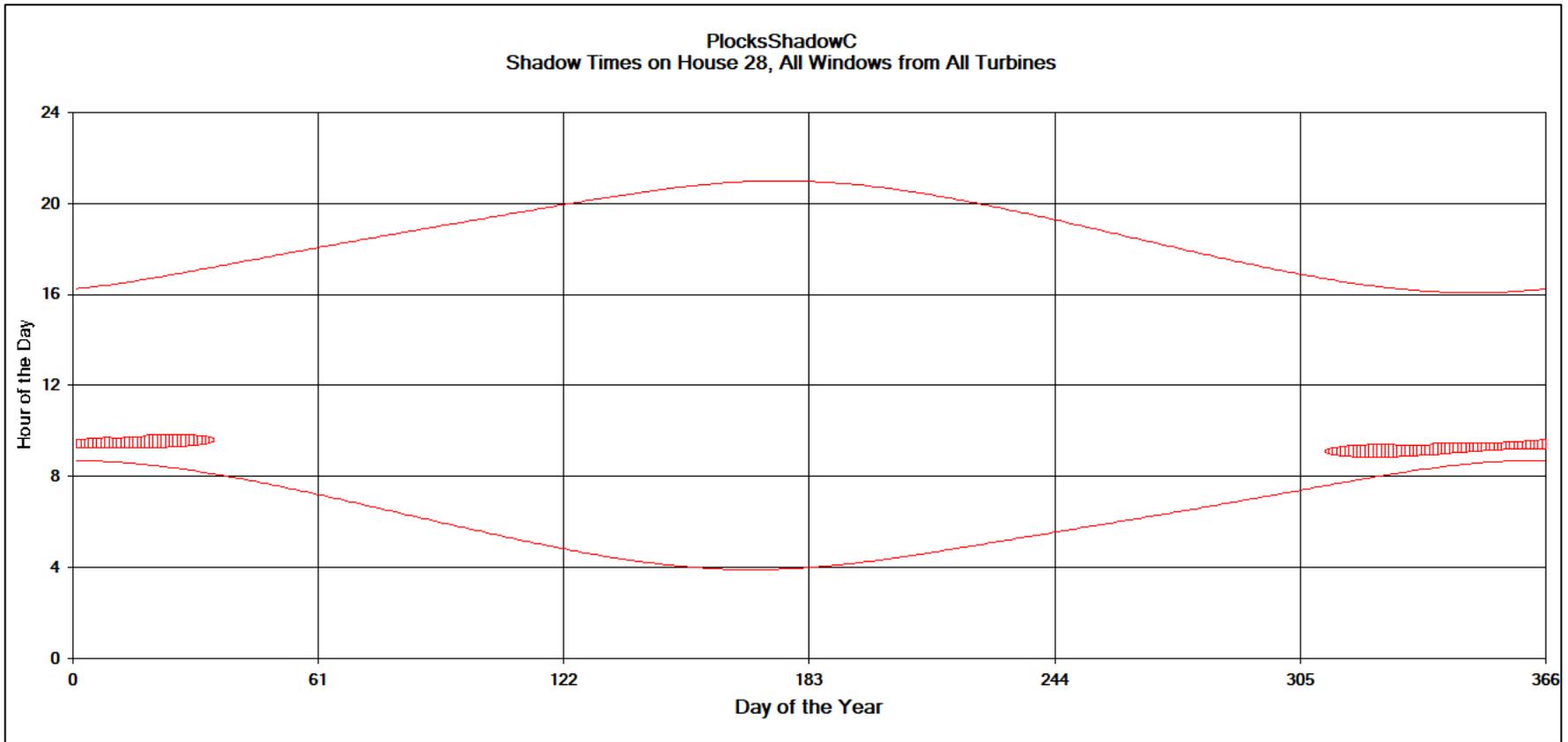
Predicted shadow flicker - dwelling 25



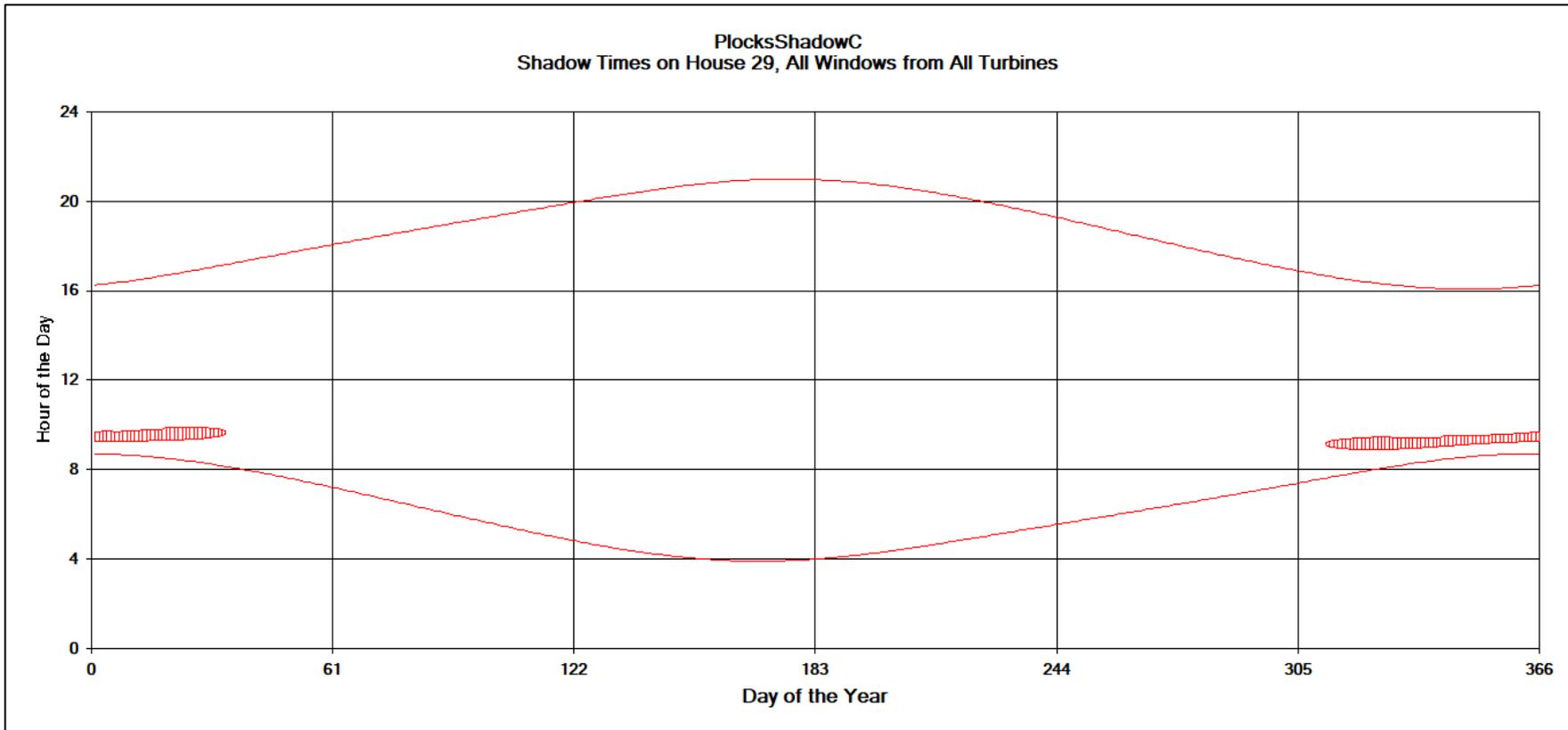
Predicted shadow flicker – dwelling 26



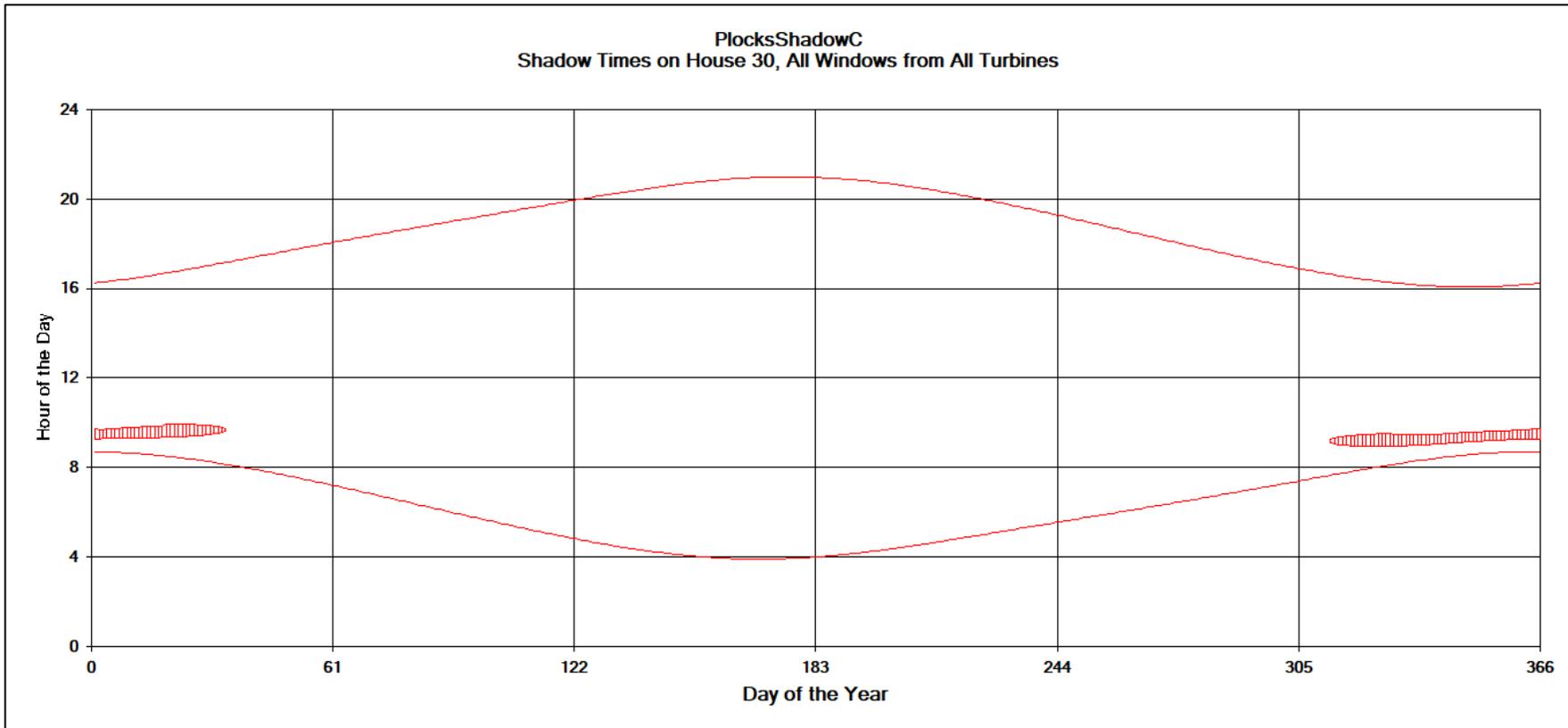
Predicted shadow flicker - dwelling 27



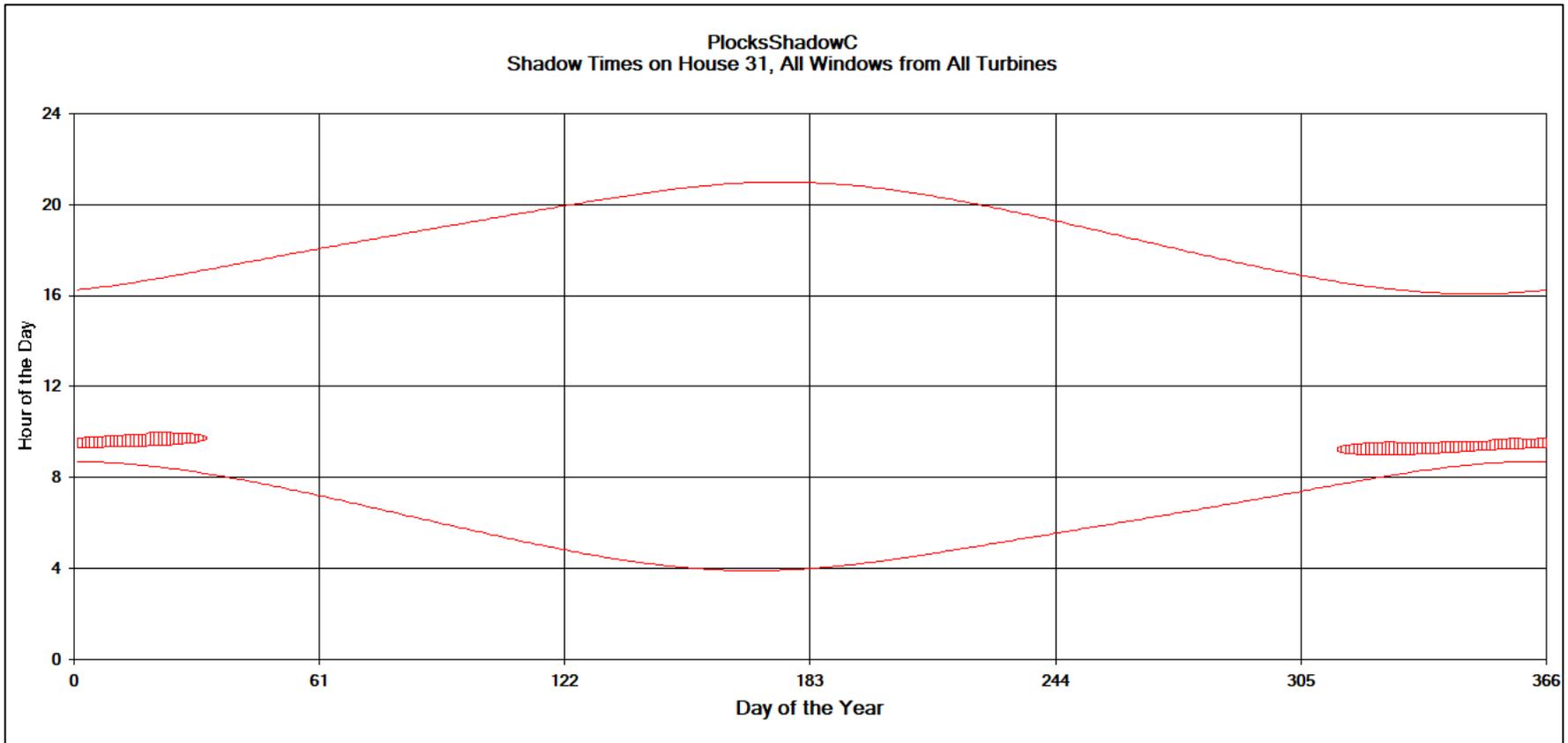
Predicted shadow flicker – dwelling 28



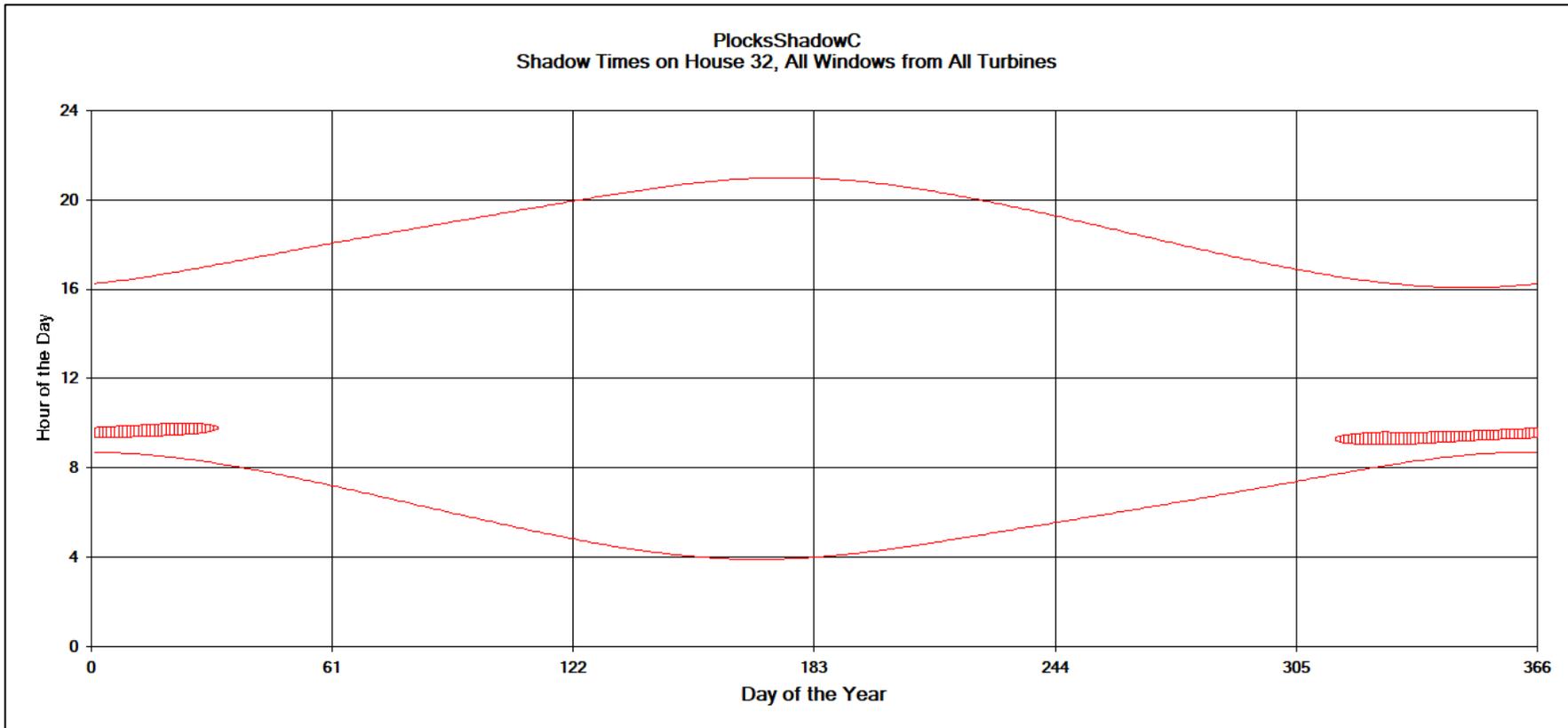
Predicted shadow flicker – dwelling 29



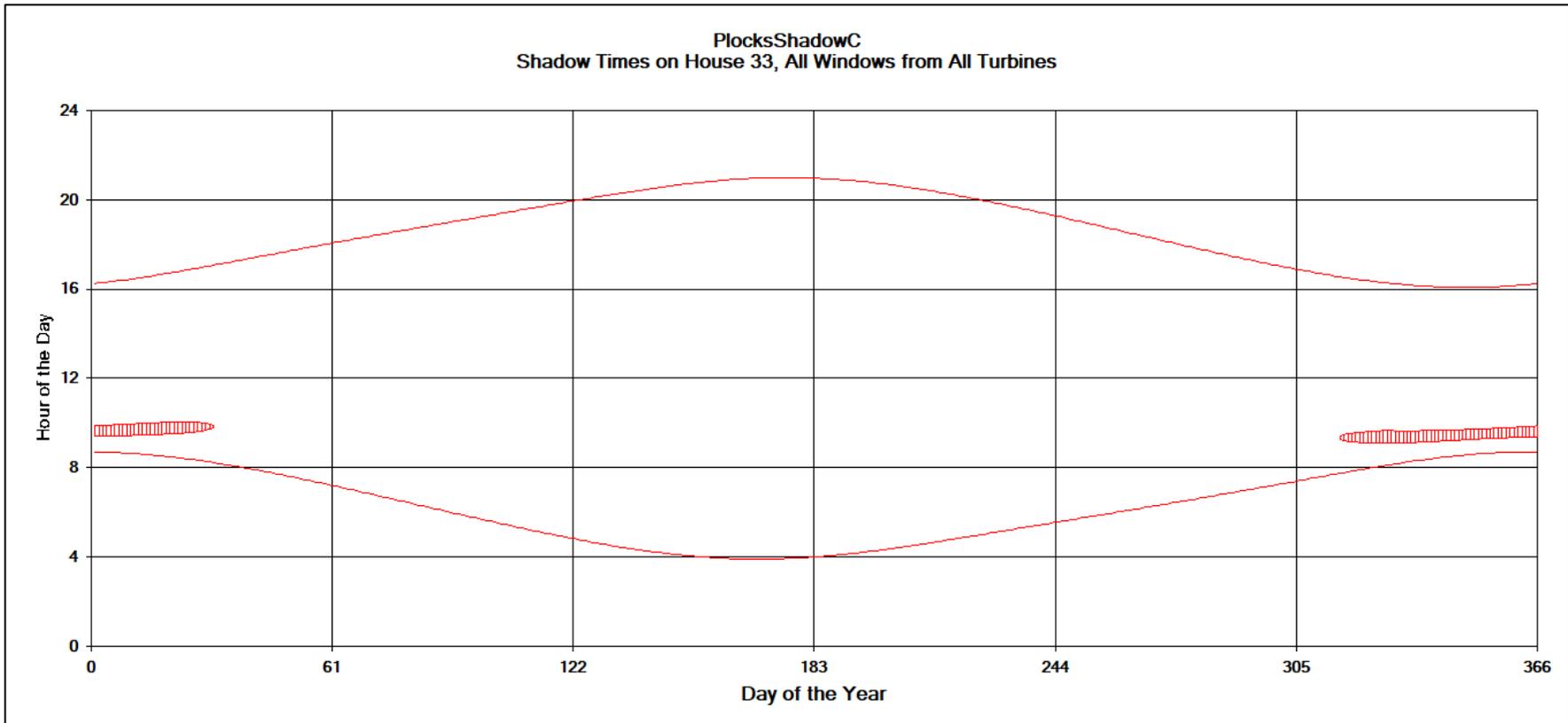
Predicted shadow flicker - dwelling 30



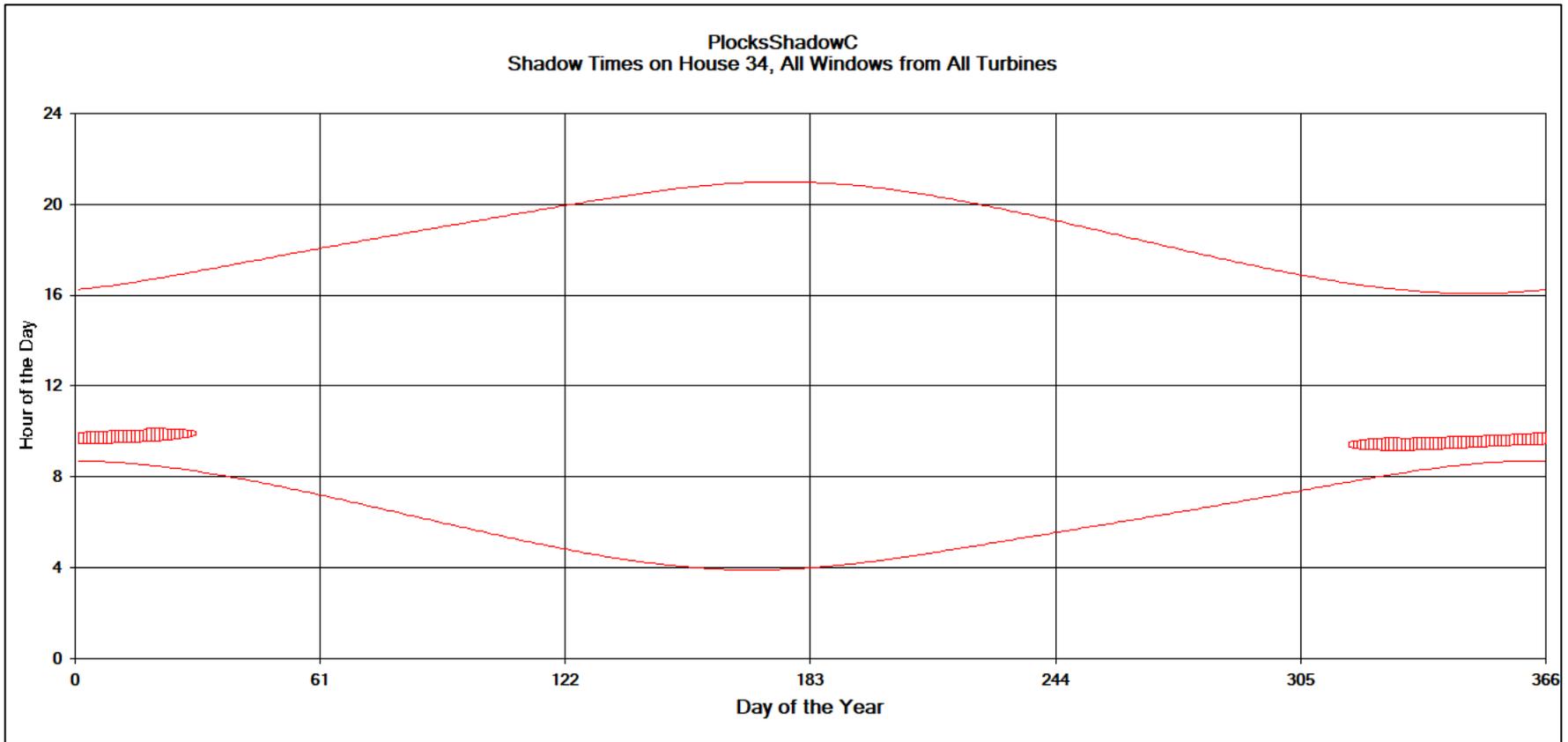
Predicted shadow flicker - dwelling 31



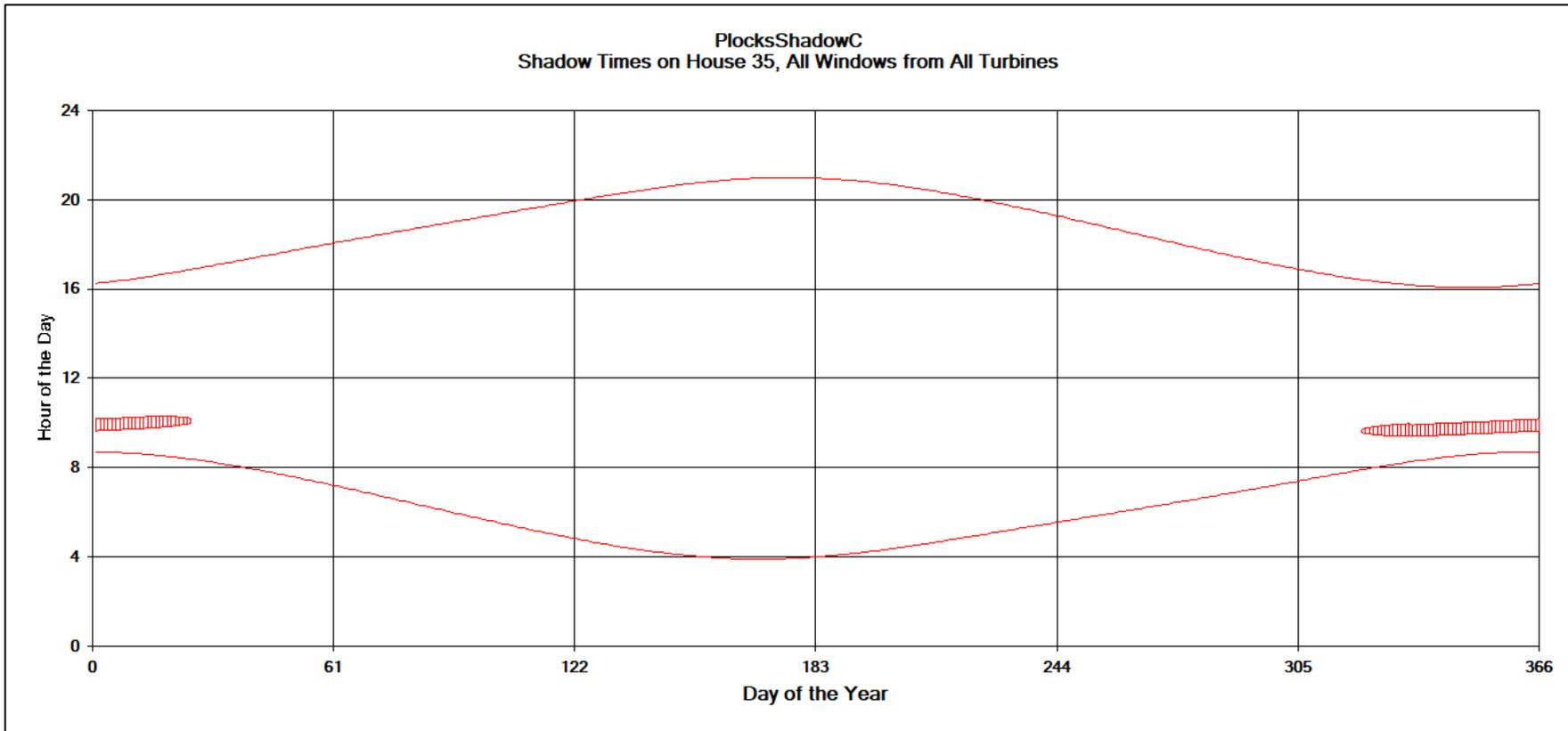
Predicted shadow flicker - dwelling 32



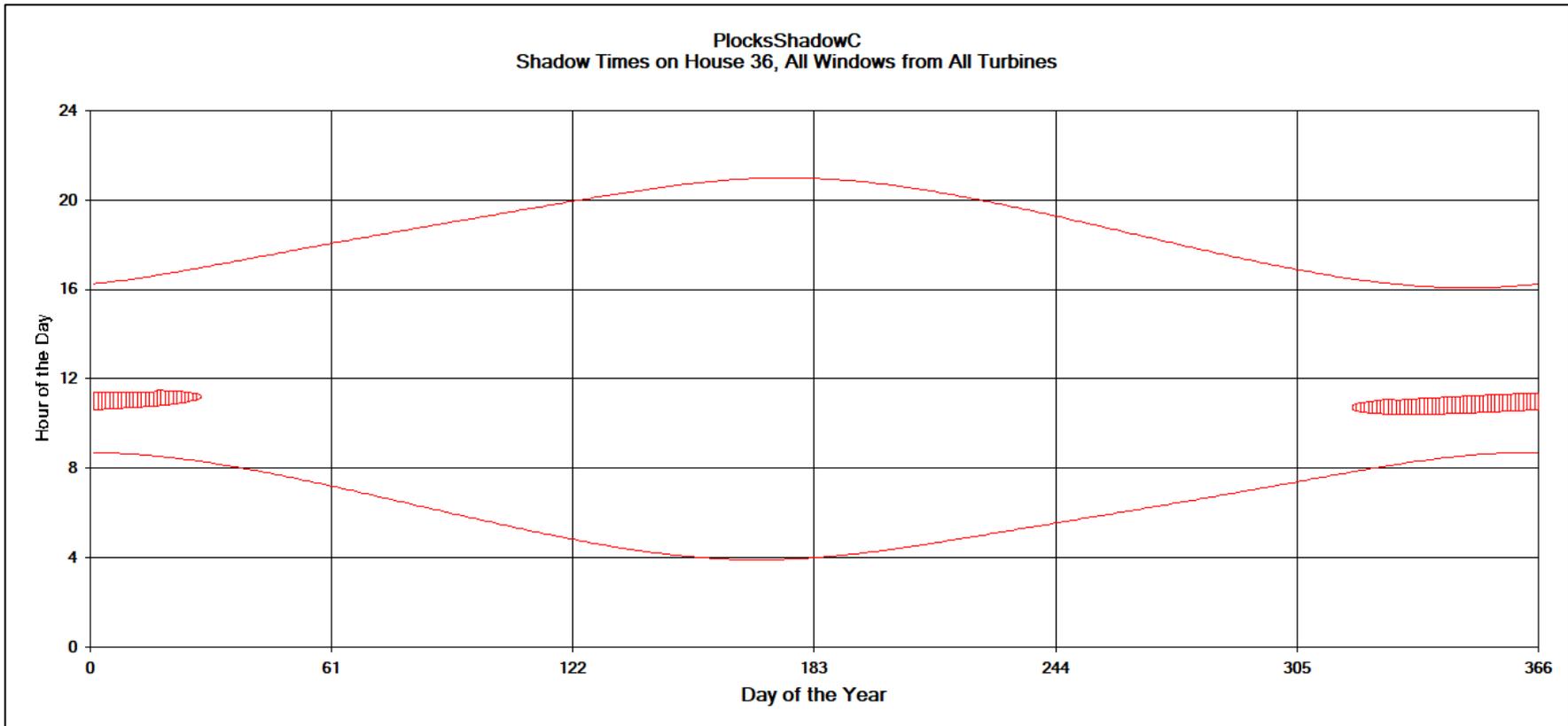
Predicted shadow flicker - dwelling 33



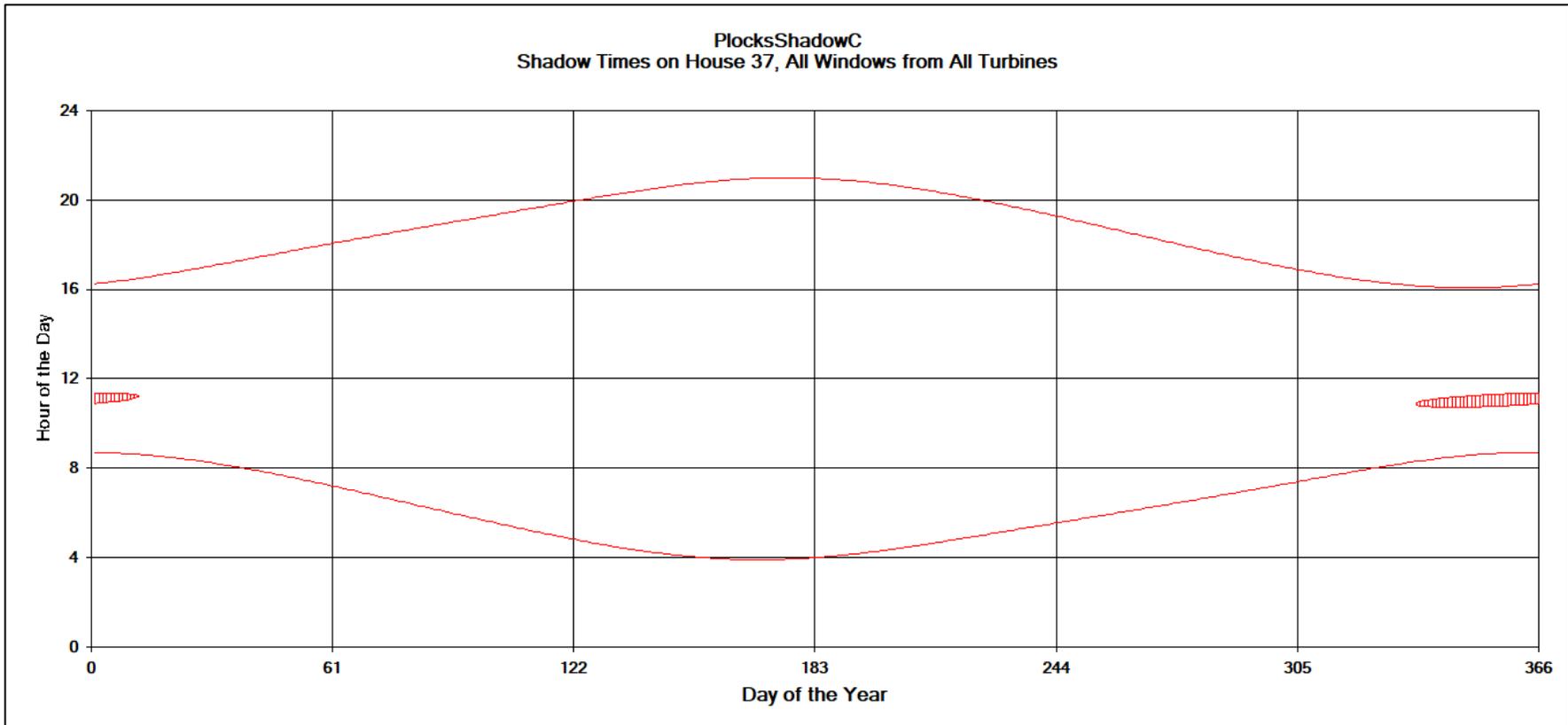
Predicted shadow flicker – dwelling 34



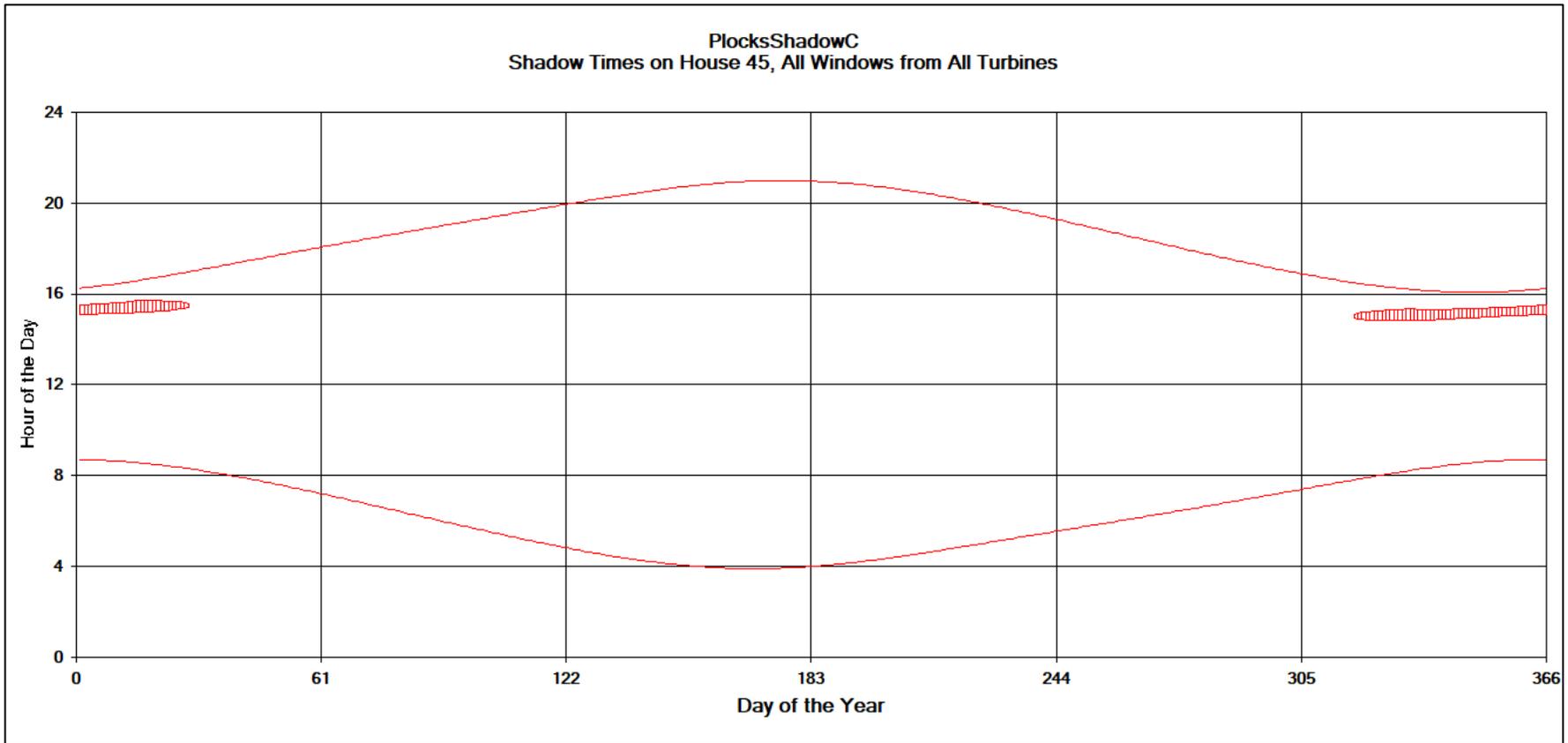
Predicted shadow flicker - dwelling 35



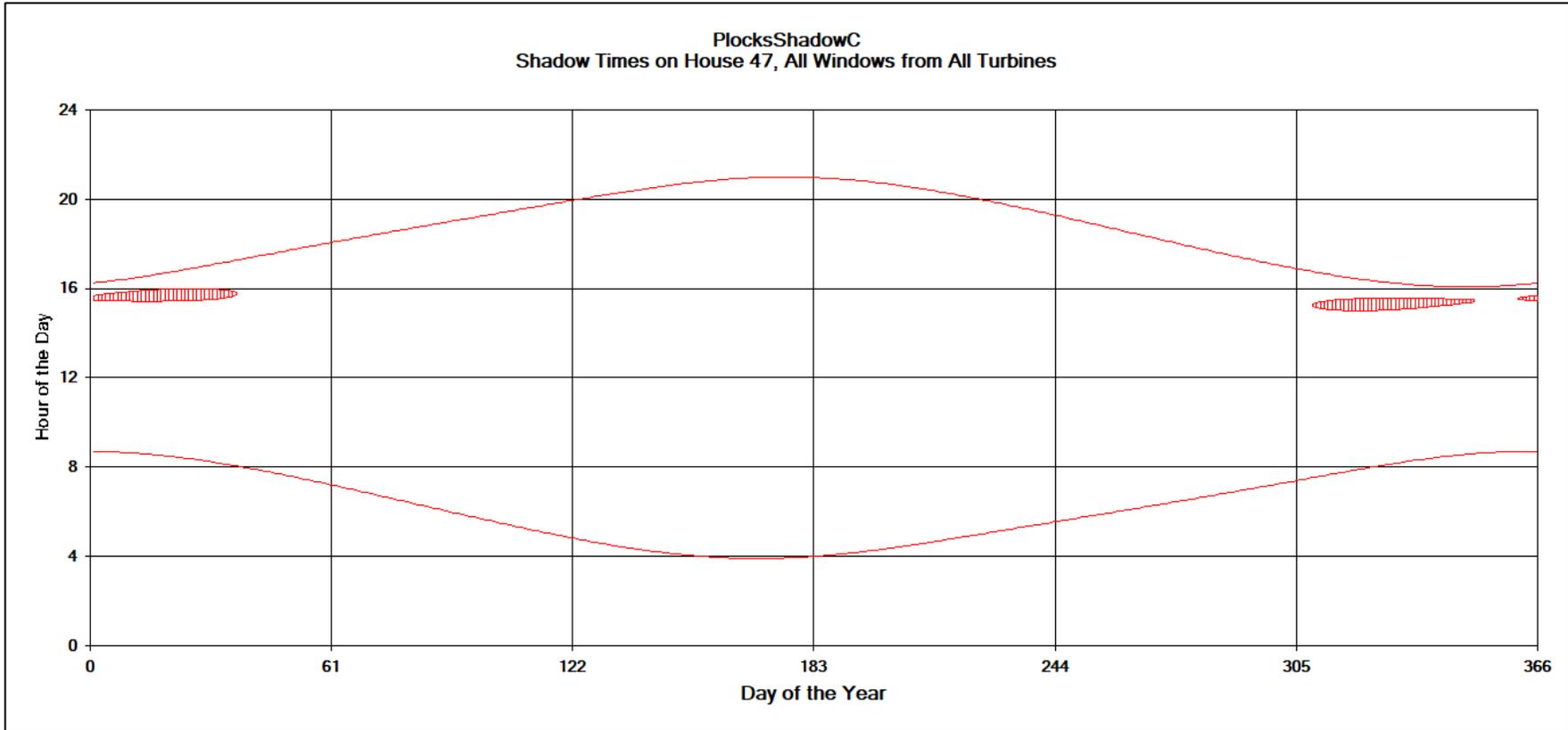
Predicted shadow flicker - dwelling 36



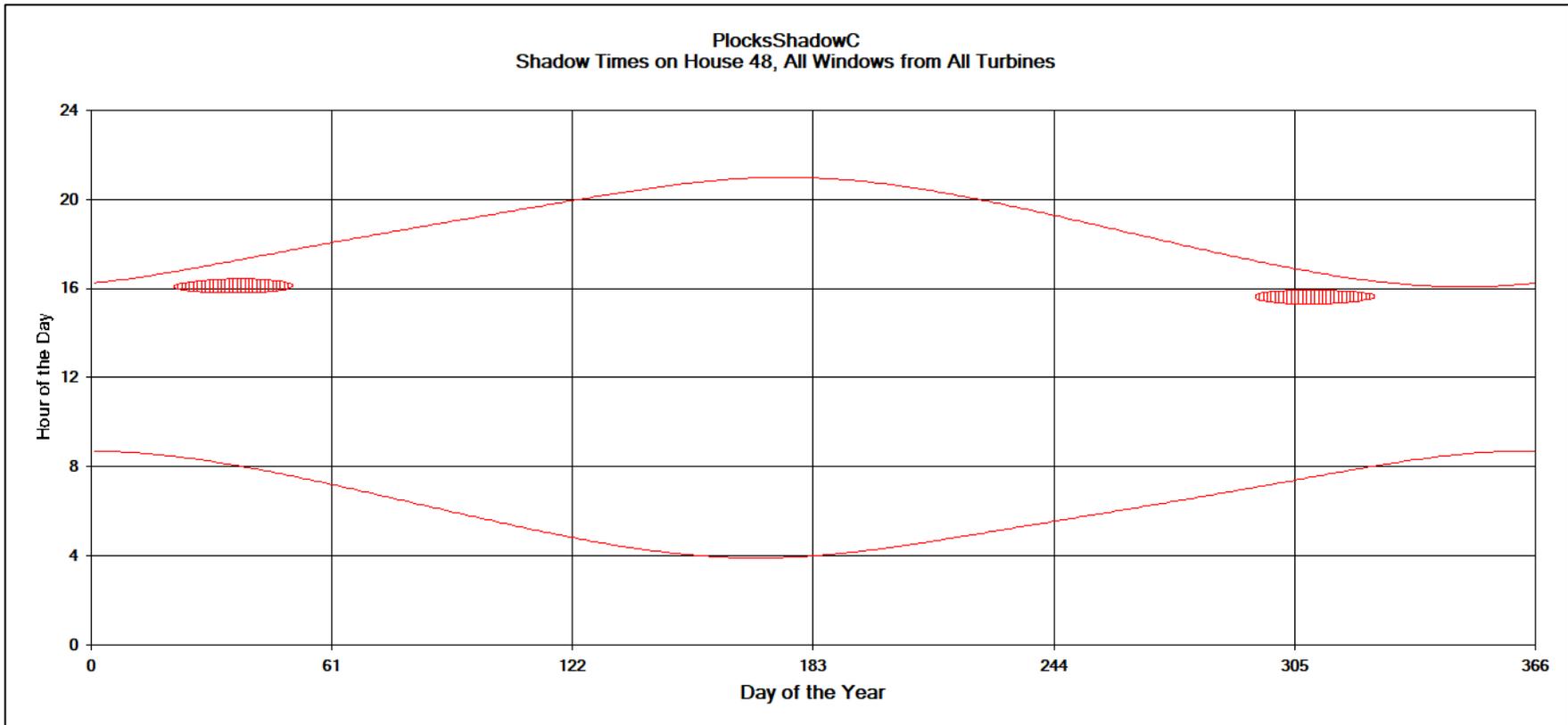
Predicted shadow flicker - dwelling 37



Predicted shadow flicker - dwelling 45



Predicted shadow flicker – dwelling 47



Predicted shadow flicker - dwelling 48

APPENDIX D – SHADOW FLICKER DATES AND TIMES

The dates and times (GMT) when shadow flicker may occur at dwellings 3 to 9, 11 to 14, 19 to 37, 45 and 47 to 48 is presented in the table below and on the following pages. If the turbine is shutdown during all the times in the tables, then shadow flicker effects would be eliminated completely throughout the year for these dwellings. This information should be used to guide the shutdown scheme recommended as part of this report to mitigate shadow flicker effects. It is important to note that the duration should be reduced to less than 30 minutes per day and 30 hours per year.

Dwelling 3

Date	Start Time	End Time	Duration	% Cover
27-May	04:29:21	04:35:07	00:05:46	9.23
28-May	04:26:25	04:38:15	00:11:50	39.5
29-May	04:24:42	04:40:11	00:15:29	68.61
30-May	04:23:27	04:41:40	00:18:13	96.55
31-May	04:22:27	04:42:53	00:20:26	100
01-Jun	04:21:38	04:43:57	00:22:19	100
02-Jun	04:20:58	04:44:53	00:23:55	100
03-Jun	04:20:24	04:45:43	00:25:18	100
04-Jun	04:19:57	04:46:28	00:26:31	100
05-Jun	04:19:34	04:47:09	00:27:34	100
06-Jun	04:19:16	04:47:46	00:28:30	100
07-Jun	04:19:01	04:48:21	00:29:20	100
08-Jun	04:18:50	04:48:53	00:30:03	100
09-Jun	04:18:41	04:49:23	00:30:42	100
10-Jun	04:18:35	04:49:51	00:31:16	100
11-Jun	04:18:32	04:50:17	00:31:45	100

Date	Start Time	End Time	Duration	% Cover
12-Jun	04:18:31	04:50:42	00:32:11	100
13-Jun	04:18:31	04:51:05	00:32:33	100
14-Jun	04:18:34	04:51:27	00:32:53	100
15-Jun	04:18:38	04:51:47	00:33:09	100
16-Jun	04:18:44	04:52:06	00:33:22	100
17-Jun	04:18:51	04:52:24	00:33:33	100
18-Jun	04:19:00	04:52:41	00:33:41	100
19-Jun	04:19:10	04:52:57	00:33:47	100
20-Jun	04:19:22	04:53:12	00:33:51	100
21-Jun	04:19:34	04:53:26	00:33:52	100
22-Jun	04:19:48	04:53:38	00:33:50	100
23-Jun	04:20:03	04:53:49	00:33:47	100
24-Jun	04:20:19	04:53:59	00:33:40	100
25-Jun	04:20:36	04:54:08	00:33:32	100
26-Jun	04:20:55	04:54:16	00:33:21	100
27-Jun	04:21:15	04:54:22	00:33:07	100
28-Jun	04:21:36	04:54:26	00:32:50	100
29-Jun	04:21:58	04:54:29	00:32:31	100
30-Jun	04:22:22	04:54:30	00:32:08	100
01-Jul	04:22:48	04:54:30	00:31:42	100
02-Jul	04:23:15	04:54:27	00:31:12	100
03-Jul	04:23:44	04:54:21	00:30:37	100

Date	Start Time	End Time	Duration	% Cover
04-Jul	04:24:15	04:54:14	00:29:58	100
05-Jul	04:24:49	04:54:03	00:29:14	100
06-Jul	04:25:25	04:53:49	00:28:24	100
07-Jul	04:26:04	04:53:32	00:27:28	100
08-Jul	04:26:47	04:53:10	00:26:24	100
09-Jul	04:27:34	04:52:44	00:25:10	100
10-Jul	04:28:26	04:52:12	00:23:46	100
11-Jul	04:29:24	04:51:33	00:22:09	100
12-Jul	04:30:30	04:50:46	00:20:16	100
13-Jul	04:31:46	04:49:48	00:18:02	94.19
14-Jul	04:33:17	04:48:33	00:15:16	66.42
15-Jul	04:35:16	04:46:49	00:11:33	37.51
16-Jul	04:38:34	04:43:46	00:05:12	7.46

Shadow Flicker Dates and Times for Dwelling 3

Dwelling 4

Date	Start Time	End Time	Duration	% Cover
18-May	04:39:54	04:50:34	00:10:40	31.82
19-May	04:37:18	04:53:11	00:15:52	71.97
20-May	04:35:30	04:55:01	00:19:31	100
21-May	04:34:06	04:56:29	00:22:23	100
22-May	04:32:56	04:57:43	00:24:46	100
23-May	04:31:58	04:58:46	00:26:47	100
24-May	04:31:10	04:59:42	00:28:32	100

Date	Start Time	End Time	Duration	% Cover
25-May	04:30:29	05:00:31	00:30:02	100
26-May	04:29:54	05:01:16	00:31:22	100
27-May	04:29:24	05:01:56	00:32:32	100
28-May	04:28:59	05:02:33	00:33:33	100
29-May	04:28:39	05:03:08	00:34:28	100
30-May	04:28:22	05:03:40	00:35:17	100
31-May	04:28:09	05:04:09	00:36:00	100
01-Jun	04:27:58	05:04:37	00:36:39	100
02-Jun	04:27:50	05:05:02	00:37:12	100
03-Jun	04:27:45	05:05:27	00:37:42	100
04-Jun	04:27:41	05:05:49	00:38:08	100
05-Jun	04:27:40	05:06:11	00:38:31	100
06-Jun	04:27:40	05:06:32	00:38:51	100
07-Jun	04:27:42	05:06:51	00:39:09	100
08-Jun	04:27:45	05:07:10	00:39:24	100
09-Jun	04:27:50	05:07:28	00:39:38	100
10-Jun	04:27:56	05:07:45	00:39:49	100
11-Jun	04:28:03	05:08:02	00:39:59	100
12-Jun	04:28:11	05:08:18	00:40:07	100
13-Jun	04:28:20	05:08:34	00:40:14	100
14-Jun	04:28:29	05:08:49	00:40:20	100
15-Jun	04:28:40	05:09:04	00:40:25	100

Date	Start Time	End Time	Duration	% Cover
16-Jun	04:28:51	05:09:19	00:40:29	100
17-Jun	04:29:02	05:09:34	00:40:32	100
18-Jun	04:29:14	05:09:48	00:40:34	100
19-Jun	04:29:26	05:10:02	00:40:36	100
20-Jun	04:29:39	05:10:15	00:40:36	100
21-Jun	04:29:52	05:10:28	00:40:37	100
22-Jun	04:30:05	05:10:41	00:40:36	100
23-Jun	04:30:19	05:10:54	00:40:35	100
24-Jun	04:30:32	05:11:06	00:40:34	100
25-Jun	04:30:47	05:11:18	00:40:31	100
26-Jun	04:31:01	05:11:29	00:40:28	100
27-Jun	04:31:16	05:11:40	00:40:24	100
28-Jun	04:31:31	05:11:50	00:40:19	100
29-Jun	04:31:46	05:11:59	00:40:13	100
30-Jun	04:32:02	05:12:08	00:40:06	100
01-Jul	04:32:18	05:12:15	00:39:57	100
02-Jul	04:32:35	05:12:22	00:39:48	100
03-Jul	04:32:52	05:12:28	00:39:36	100
04-Jul	04:33:10	05:12:32	00:39:22	100
05-Jul	04:33:28	05:12:35	00:39:07	100
06-Jul	04:33:47	05:12:37	00:38:49	100
07-Jul	04:34:08	05:12:36	00:38:29	100

Date	Start Time	End Time	Duration	% Cover
08-Jul	04:34:29	05:12:34	00:38:05	100
09-Jul	04:34:52	05:12:31	00:37:39	100
10-Jul	04:35:16	05:12:25	00:37:09	100
11-Jul	04:35:41	05:12:16	00:36:35	100
12-Jul	04:36:09	05:12:05	00:35:56	100
13-Jul	04:36:38	05:11:51	00:35:13	100
14-Jul	04:37:10	05:11:34	00:34:24	100
15-Jul	04:37:45	05:11:14	00:33:28	100
16-Jul	04:38:23	05:10:50	00:32:27	100
17-Jul	04:39:05	05:10:21	00:31:17	100
18-Jul	04:39:51	05:09:48	00:29:57	100
19-Jul	04:40:42	05:09:08	00:28:27	100
20-Jul	04:41:39	05:08:22	00:26:42	100
21-Jul	04:42:45	05:07:26	00:24:41	100
22-Jul	04:44:02	05:06:20	00:22:18	100
23-Jul	04:45:32	05:04:58	00:19:26	100
24-Jul	04:47:24	05:03:12	00:15:48	70.98
25-Jul	04:50:02	05:00:39	00:10:36	31.3

Shadow Flicker Dates and Times for Dwelling 4

Dwelling 5

Date	Start Time	End Time	Duration	% Cover
04-May	05:04:30	05:08:49	00:04:19	5.7
05-May	04:59:42	05:13:23	00:13:41	59.07

Date	Start Time	End Time	Duration	% Cover
06-May	04:57:11	05:15:42	00:18:31	100
07-May	04:55:19	05:17:22	00:22:04	100
08-May	04:53:48	05:18:41	00:24:53	100
09-May	04:52:33	05:19:46	00:27:13	100
10-May	04:51:30	05:20:40	00:29:09	100
11-May	04:50:38	05:21:26	00:30:48	100
12-May	04:49:53	05:22:06	00:32:13	100
13-May	04:49:16	05:22:40	00:33:24	100
14-May	04:48:45	05:23:10	00:34:25	100
15-May	04:48:19	05:23:35	00:35:16	100
16-May	04:47:58	05:23:57	00:35:59	100
17-May	04:47:42	05:24:16	00:36:33	100
18-May	04:47:30	05:24:31	00:37:01	100
19-May	04:47:22	05:24:44	00:37:22	100
20-May	04:47:18	05:24:55	00:37:37	100
21-May	04:47:17	05:25:03	00:37:47	100
22-May	04:47:19	05:25:10	00:37:52	100
23-May	04:47:24	05:25:15	00:37:52	100
24-May	04:47:31	05:25:19	00:37:48	100
25-May	04:47:41	05:25:21	00:37:40	100
26-May	04:47:53	05:25:22	00:37:29	100
27-May	04:48:08	05:25:23	00:37:15	100

Date	Start Time	End Time	Duration	% Cover
28-May	04:48:24	05:25:22	00:36:57	100
29-May	04:48:43	05:25:20	00:36:38	100
30-May	04:49:02	05:25:18	00:36:15	100
31-May	04:49:24	05:25:15	00:35:51	100
01-Jun	04:49:46	05:25:12	00:35:25	100
02-Jun	04:50:10	05:25:08	00:34:58	100
03-Jun	04:50:34	05:25:04	00:34:30	100
04-Jun	04:50:59	05:25:00	00:34:01	100
05-Jun	04:51:26	05:24:57	00:33:31	100
06-Jun	04:51:52	05:24:53	00:33:01	100
07-Jun	04:52:19	05:24:50	00:32:31	100
08-Jun	04:52:45	05:24:47	00:32:01	100
09-Jun	04:53:12	05:24:44	00:31:32	100
10-Jun	04:53:38	05:24:43	00:31:04	100
11-Jun	04:54:04	05:24:42	00:30:37	100
12-Jun	04:54:30	05:24:42	00:30:12	100
13-Jun	04:54:54	05:24:43	00:29:49	100
14-Jun	04:55:18	05:24:45	00:29:27	100
15-Jun	04:55:41	05:24:49	00:29:08	100
16-Jun	04:56:02	05:24:53	00:28:51	100
17-Jun	04:56:22	05:24:59	00:28:38	100
18-Jun	04:56:41	05:25:08	00:28:27	100

Date	Start Time	End Time	Duration	% Cover
19-Jun	04:56:58	05:25:17	00:28:19	100
20-Jun	04:57:13	05:25:28	00:28:15	100
21-Jun	04:57:27	05:25:40	00:28:13	100
22-Jun	04:57:39	05:25:55	00:28:15	100
23-Jun	04:57:50	05:26:10	00:28:20	100
24-Jun	04:57:58	05:26:27	00:28:29	100
25-Jun	04:58:05	05:26:46	00:28:40	100
26-Jun	04:58:11	05:27:05	00:28:55	100
27-Jun	04:58:15	05:27:26	00:29:12	100
28-Jun	04:58:17	05:27:48	00:29:31	100
29-Jun	04:58:18	05:28:11	00:29:53	100
30-Jun	04:58:18	05:28:35	00:30:17	100
01-Jul	04:58:16	05:28:59	00:30:42	100
02-Jul	04:58:14	05:29:23	00:31:10	100
03-Jul	04:58:10	05:29:48	00:31:38	100
04-Jul	04:58:06	05:30:13	00:32:07	100
05-Jul	04:58:01	05:30:38	00:32:36	100
06-Jul	04:57:56	05:31:02	00:33:06	100
07-Jul	04:57:50	05:31:26	00:33:36	100
08-Jul	04:57:44	05:31:50	00:34:06	100
09-Jul	04:57:38	05:32:13	00:34:35	100
10-Jul	04:57:32	05:32:35	00:35:03	100

Date	Start Time	End Time	Duration	% Cover
11-Jul	04:57:26	05:32:56	00:35:30	100
12-Jul	04:57:21	05:33:16	00:35:55	100
13-Jul	04:57:15	05:33:34	00:36:19	100
14-Jul	04:57:11	05:33:51	00:36:40	100
15-Jul	04:57:07	05:34:07	00:36:59	100
16-Jul	04:57:04	05:34:20	00:37:17	100
17-Jul	04:57:02	05:34:32	00:37:31	100
18-Jul	04:57:01	05:34:42	00:37:42	100
19-Jul	04:57:01	05:34:50	00:37:49	100
20-Jul	04:57:03	05:34:55	00:37:52	100
21-Jul	04:57:06	05:34:58	00:37:52	100
22-Jul	04:57:11	05:34:58	00:37:47	100
23-Jul	04:57:18	05:34:55	00:37:37	100
24-Jul	04:57:27	05:34:49	00:37:21	100
25-Jul	04:57:39	05:34:39	00:37:00	100
26-Jul	04:57:53	05:34:26	00:36:33	100
27-Jul	04:58:10	05:34:08	00:35:58	100
28-Jul	04:58:31	05:33:47	00:35:16	100
29-Jul	04:58:55	05:33:20	00:34:25	100
30-Jul	04:59:24	05:32:49	00:33:25	100
31-Jul	04:59:57	05:32:11	00:32:14	100
01-Aug	05:00:36	05:31:26	00:30:50	100

Date	Start Time	End Time	Duration	% Cover
02-Aug	05:01:22	05:30:35	00:29:13	100
03-Aug	05:02:16	05:29:34	00:27:18	100
04-Aug	05:03:21	05:28:22	00:25:01	100
05-Aug	05:04:40	05:26:56	00:22:15	100
06-Aug	05:06:19	05:25:07	00:18:48	100
07-Aug	05:08:33	05:22:42	00:14:09	63.1
08-Aug	05:12:34	05:18:29	00:05:55	10.7

Shadow Flicker Dates and Times for Dwelling 5

Dwelling 6

Date	Start Time	End Time	Duration	% Cover
28-Apr	05:13:44	05:26:12	00:12:28	49.64
29-Apr	05:10:46	05:28:50	00:18:04	100
30-Apr	05:08:39	05:30:38	00:21:59	100
01-May	05:06:57	05:32:01	00:25:04	100
02-May	05:05:33	05:33:07	00:27:33	100
03-May	05:04:24	05:34:00	00:29:37	100
04-May	05:03:25	05:34:46	00:31:20	100
05-May	05:02:36	05:35:23	00:32:48	100
06-May	05:01:54	05:35:55	00:34:00	100
07-May	05:01:19	05:36:20	00:35:00	100
08-May	05:00:51	05:36:40	00:35:49	100
09-May	05:00:28	05:36:56	00:36:28	100
10-May	05:00:11	05:37:08	00:36:57	100

Date	Start Time	End Time	Duration	% Cover
11-May	04:59:58	05:37:17	00:37:18	100
12-May	04:59:51	05:37:22	00:37:31	100
13-May	04:59:47	05:37:24	00:37:37	100
14-May	04:59:48	05:37:23	00:37:36	100
15-May	04:59:52	05:37:20	00:37:28	100
16-May	05:00:00	05:37:14	00:37:14	100
17-May	05:00:12	05:37:06	00:36:54	100
18-May	05:00:28	05:36:56	00:36:28	100
19-May	05:00:47	05:36:43	00:35:57	100
20-May	05:01:09	05:36:29	00:35:20	100
21-May	05:01:34	05:36:13	00:34:39	100
22-May	05:02:02	05:35:55	00:33:52	100
23-May	05:02:34	05:35:35	00:33:01	100
24-May	05:03:08	05:35:13	00:32:04	100
25-May	05:03:46	05:34:49	00:31:03	100
26-May	05:04:26	05:34:24	00:29:58	100
27-May	05:05:09	05:33:56	00:28:47	100
28-May	05:05:55	05:33:27	00:27:32	100
29-May	05:06:45	05:32:56	00:26:11	100
30-May	05:07:37	05:32:22	00:24:46	100
31-May	05:08:32	05:31:47	00:23:14	100
01-Jun	05:09:32	05:31:08	00:21:37	100

Date	Start Time	End Time	Duration	% Cover
02-Jun	05:10:35	05:30:27	00:19:52	100
03-Jun	05:11:42	05:29:41	00:17:59	94.5
04-Jun	05:12:56	05:28:51	00:15:54	72.8
05-Jun	05:14:18	05:27:53	00:13:35	52.32
06-Jun	05:15:53	05:26:45	00:10:52	33.06
07-Jun	05:17:55	05:25:13	00:07:18	15.03
04-Jul	05:26:03	05:28:18	00:02:15	1.43
05-Jul	05:23:16	05:31:22	00:08:06	18.38
06-Jul	05:21:43	05:33:08	00:11:25	36.54
07-Jul	05:20:32	05:34:34	00:14:02	55.91
08-Jul	05:19:32	05:35:50	00:16:18	76.48
09-Jul	05:18:38	05:36:58	00:18:19	98.23
10-Jul	05:17:50	05:38:01	00:20:10	100
11-Jul	05:17:05	05:38:59	00:21:53	100
12-Jul	05:16:24	05:39:53	00:23:29	100
13-Jul	05:15:45	05:40:44	00:24:59	100
14-Jul	05:15:08	05:41:32	00:26:23	100
15-Jul	05:14:34	05:42:17	00:27:43	100
16-Jul	05:14:02	05:42:58	00:28:57	100
17-Jul	05:13:31	05:43:37	00:30:06	100
18-Jul	05:13:02	05:44:14	00:31:11	100
19-Jul	05:12:36	05:44:47	00:32:11	100

Date	Start Time	End Time	Duration	% Cover
20-Jul	05:12:11	05:45:17	00:33:07	100
21-Jul	05:11:48	05:45:45	00:33:57	100
22-Jul	05:11:27	05:46:10	00:34:43	100
23-Jul	05:11:08	05:46:32	00:35:24	100
24-Jul	05:10:51	05:46:50	00:35:59	100
25-Jul	05:10:36	05:47:06	00:36:30	100
26-Jul	05:10:23	05:47:18	00:36:55	100
27-Jul	05:10:12	05:47:27	00:37:15	100
28-Jul	05:10:04	05:47:33	00:37:29	100
29-Jul	05:09:58	05:47:35	00:37:36	100
30-Jul	05:09:55	05:47:33	00:37:37	100
31-Jul	05:09:55	05:47:27	00:37:32	100
01-Aug	05:09:58	05:47:17	00:37:19	100
02-Aug	05:10:05	05:47:03	00:36:58	100
03-Aug	05:10:14	05:46:44	00:36:29	100
04-Aug	05:10:28	05:46:19	00:35:51	100
05-Aug	05:10:47	05:45:50	00:35:03	100
06-Aug	05:11:10	05:45:14	00:34:04	100
07-Aug	05:11:39	05:44:32	00:32:53	100
08-Aug	05:12:14	05:43:42	00:31:28	100
09-Aug	05:12:57	05:42:44	00:29:47	100
10-Aug	05:13:50	05:41:37	00:27:47	100

Date	Start Time	End Time	Duration	% Cover
11-Aug	05:14:54	05:40:17	00:25:22	100
12-Aug	05:16:15	05:38:40	00:22:25	100
13-Aug	05:17:58	05:36:39	00:18:40	100
14-Aug	05:20:24	05:33:53	00:13:30	58.09
15-Aug	05:26:23	05:27:33	00:01:09	0.41

Shadow Flicker Dates and Times for Dwelling 6

Dwelling 7

Date	Start Time	End Time	Duration	% Cover
03-Apr	06:08:55	06:22:44	00:13:49	68.33
04-Apr	06:05:52	06:25:11	00:19:19	100
05-Apr	06:03:36	06:26:49	00:23:13	100
06-Apr	06:01:49	06:28:00	00:26:12	100
07-Apr	06:00:20	06:28:53	00:28:33	100
08-Apr	05:59:07	06:29:33	00:30:26	100
09-Apr	05:58:06	06:30:01	00:31:56	100
10-Apr	05:57:15	06:30:20	00:33:05	100
11-Apr	05:56:34	06:30:29	00:33:55	100
12-Apr	05:56:01	06:30:30	00:34:29	100
13-Apr	05:55:36	06:30:24	00:34:47	100
14-Apr	05:55:20	06:30:10	00:34:50	100
15-Apr	05:55:11	06:29:50	00:34:39	100
16-Apr	05:55:10	06:29:23	00:34:12	100
17-Apr	05:55:17	06:28:48	00:33:31	100

Date	Start Time	End Time	Duration	% Cover
18-Apr	05:55:33	06:28:06	00:32:33	100
19-Apr	05:55:57	06:27:16	00:31:19	100
20-Apr	05:56:31	06:26:17	00:29:46	100
21-Apr	05:57:17	06:25:09	00:27:52	100
22-Apr	05:58:16	06:23:47	00:25:32	100
23-Apr	05:59:32	06:22:10	00:22:38	100
24-Apr	06:01:13	06:20:09	00:18:56	100
25-Apr	06:03:38	06:17:27	00:13:49	62.75
26-Apr	06:09:05	06:11:54	00:02:48	2.57
17-Aug	06:10:10	06:23:16	00:13:06	55.8
18-Aug	06:07:15	06:25:40	00:18:25	100
19-Aug	06:05:07	06:27:19	00:22:12	100
20-Aug	06:03:23	06:28:32	00:25:09	100
21-Aug	06:01:57	06:29:28	00:27:32	100
22-Aug	06:00:42	06:30:11	00:29:28	100
23-Aug	05:59:39	06:30:42	00:31:04	100
24-Aug	05:58:44	06:31:04	00:32:21	100
25-Aug	05:57:57	06:31:18	00:33:20	100
26-Aug	05:57:18	06:31:23	00:34:05	100
27-Aug	05:56:45	06:31:20	00:34:35	100
28-Aug	05:56:20	06:31:10	00:34:50	100
29-Aug	05:56:01	06:30:52	00:34:50	100

Date	Start Time	End Time	Duration	% Cover
30-Aug	05:55:50	06:30:27	00:34:37	100
31-Aug	05:55:46	06:29:53	00:34:08	100
01-Sep	05:55:49	06:29:12	00:33:23	100
02-Sep	05:56:00	06:28:22	00:32:21	100
03-Sep	05:56:21	06:27:22	00:31:00	100
04-Sep	05:56:53	06:26:10	00:29:17	100
05-Sep	05:57:37	06:24:46	00:27:09	100
06-Sep	05:58:38	06:23:07	00:24:29	100
07-Sep	06:00:02	06:21:05	00:21:03	100
08-Sep	06:01:59	06:18:26	00:16:26	97.87
09-Sep	06:05:24	06:14:20	00:08:56	27.7

Shadow Flicker Dates and Times for Dwelling 7

Dwelling 8

Date	Start Time	End Time	Duration	% Cover
01-Apr	06:13:35	06:27:40	00:14:04	71.64
02-Apr	06:10:35	06:30:04	00:19:29	100
03-Apr	06:08:21	06:31:40	00:23:20	100
04-Apr	06:06:34	06:32:50	00:26:16	100
05-Apr	06:05:06	06:33:42	00:28:35	100
06-Apr	06:03:53	06:34:20	00:30:27	100
07-Apr	06:02:53	06:34:47	00:31:54	100
08-Apr	06:02:03	06:35:03	00:33:00	100
09-Apr	06:01:22	06:35:11	00:33:49	100

Date	Start Time	End Time	Duration	% Cover
10-Apr	06:00:51	06:35:10	00:34:20	100
11-Apr	06:00:27	06:35:02	00:34:35	100
12-Apr	06:00:12	06:34:46	00:34:34	100
13-Apr	06:00:04	06:34:23	00:34:19	100
14-Apr	06:00:05	06:33:52	00:33:48	100
15-Apr	06:00:14	06:33:15	00:33:01	100
16-Apr	06:00:32	06:32:29	00:31:57	100
17-Apr	06:00:59	06:31:34	00:30:35	100
18-Apr	06:01:37	06:30:30	00:28:53	100
19-Apr	06:02:27	06:29:14	00:26:47	100
20-Apr	06:03:33	06:27:44	00:24:11	100
21-Apr	06:05:00	06:25:54	00:20:54	100
22-Apr	06:06:59	06:23:33	00:16:33	93.37
23-Apr	06:10:14	06:20:02	00:09:47	31.14
19-Aug	06:16:17	06:24:45	00:08:27	23.02
20-Aug	06:12:19	06:28:07	00:15:48	83.96
21-Aug	06:09:48	06:30:07	00:20:19	100
22-Aug	06:07:51	06:31:32	00:23:41	100
23-Aug	06:06:14	06:32:36	00:26:21	100
24-Aug	06:04:53	06:33:24	00:28:31	100
25-Aug	06:03:44	06:33:59	00:30:16	100
26-Aug	06:02:44	06:34:25	00:31:41	100

Date	Start Time	End Time	Duration	% Cover
27-Aug	06:01:53	06:34:41	00:32:48	100
28-Aug	06:01:10	06:34:48	00:33:38	100
29-Aug	06:00:34	06:34:47	00:34:13	100
30-Aug	06:00:06	06:34:38	00:34:32	100
31-Aug	05:59:45	06:34:22	00:34:37	100
01-Sep	05:59:31	06:33:57	00:34:27	100
02-Sep	05:59:24	06:33:25	00:34:01	100
03-Sep	05:59:25	06:32:45	00:33:19	100
04-Sep	05:59:35	06:31:55	00:32:20	100
05-Sep	05:59:54	06:30:56	00:31:02	100
06-Sep	06:00:23	06:29:45	00:29:22	100
07-Sep	06:01:06	06:28:22	00:27:16	100
08-Sep	06:02:05	06:26:43	00:24:39	100
09-Sep	06:03:26	06:24:43	00:21:17	100
10-Sep	06:05:20	06:22:07	00:16:47	100
11-Sep	06:08:34	06:18:12	00:09:38	32.49

Shadow Flicker Dates and Times for Dwelling 8

Dwelling 9

Date	Start Time	End Time	Duration	% Cover
29-Mar	06:24:34	06:27:07	00:02:33	2.28
30-Mar	06:18:20	06:32:44	00:14:23	75.31
31-Mar	06:15:23	06:35:05	00:19:43	100
01-Apr	06:13:10	06:36:40	00:23:30	100

Date	Start Time	End Time	Duration	% Cover
02-Apr	06:11:24	06:37:48	00:26:25	100
03-Apr	06:09:57	06:38:39	00:28:43	100
04-Apr	06:08:44	06:39:17	00:30:32	100
05-Apr	06:07:44	06:39:42	00:31:58	100
06-Apr	06:06:55	06:39:57	00:33:03	100
07-Apr	06:06:15	06:40:04	00:33:49	100
08-Apr	06:05:44	06:40:01	00:34:18	100
09-Apr	06:05:21	06:39:51	00:34:30	100
10-Apr	06:05:06	06:39:34	00:34:27	100
11-Apr	06:04:59	06:39:08	00:34:09	100
12-Apr	06:05:02	06:38:35	00:33:34	100
13-Apr	06:05:12	06:37:55	00:32:43	100
14-Apr	06:05:32	06:37:05	00:31:34	100
15-Apr	06:06:01	06:36:07	00:30:06	100
16-Apr	06:06:42	06:34:58	00:28:16	100
17-Apr	06:07:37	06:33:36	00:25:59	100
18-Apr	06:08:49	06:31:59	00:23:09	100
19-Apr	06:10:26	06:29:57	00:19:32	100
20-Apr	06:12:45	06:27:15	00:14:30	70.94
21-Apr	06:17:33	06:22:17	00:04:44	7.45
22-Aug	06:17:19	06:30:47	00:13:28	60.23
23-Aug	06:14:23	06:33:10	00:18:47	100

Date	Start Time	End Time	Duration	% Cover
24-Aug	06:12:13	06:34:46	00:22:33	100
25-Aug	06:10:28	06:35:57	00:25:29	100
26-Aug	06:09:00	06:36:50	00:27:49	100
27-Aug	06:07:46	06:37:29	00:29:43	100
28-Aug	06:06:42	06:37:57	00:31:15	100
29-Aug	06:05:47	06:38:15	00:32:27	100
30-Aug	06:05:01	06:38:23	00:33:22	100
31-Aug	06:04:23	06:38:24	00:34:01	100
01-Sep	06:03:52	06:38:16	00:34:24	100
02-Sep	06:03:28	06:38:00	00:34:32	100
03-Sep	06:03:12	06:37:37	00:34:25	100
04-Sep	06:03:04	06:37:05	00:34:01	100
05-Sep	06:03:03	06:36:25	00:33:22	100
06-Sep	06:03:11	06:35:37	00:32:25	100
07-Sep	06:03:29	06:34:38	00:31:09	100
08-Sep	06:03:57	06:33:28	00:29:31	100
09-Sep	06:04:38	06:32:05	00:27:27	100
10-Sep	06:05:35	06:30:28	00:24:53	100
11-Sep	06:06:54	06:28:29	00:21:35	100
12-Sep	06:08:45	06:25:56	00:17:11	100
13-Sep	06:11:49	06:22:10	00:10:20	37.7

Shadow Flicker Dates and Times for Dwelling 9

Dwelling 11

Date	Start Time	End Time	Duration	% Cover
18-Mar	06:48:17	07:00:32	00:12:14	53.25
19-Mar	06:44:51	07:03:22	00:18:31	100
20-Mar	06:42:26	07:05:10	00:22:45	100
21-Mar	06:40:31	07:06:27	00:25:56	100
22-Mar	06:38:57	07:07:23	00:28:26	100
23-Mar	06:37:40	07:08:05	00:30:26	100
24-Mar	06:36:35	07:08:34	00:31:59	100
25-Mar	06:35:42	07:08:52	00:33:10	100
26-Mar	06:34:58	07:08:59	00:34:01	100
27-Mar	06:34:24	07:08:57	00:34:33	100
28-Mar	06:33:59	07:08:47	00:34:48	100
29-Mar	06:33:42	07:08:28	00:34:46	100
30-Mar	06:33:33	07:08:00	00:34:27	100
31-Mar	06:33:34	07:07:24	00:33:50	100
01-Apr	06:33:44	07:06:39	00:32:55	100
02-Apr	06:34:03	07:05:44	00:31:41	100
03-Apr	06:34:34	07:04:39	00:30:04	100
04-Apr	06:35:18	07:03:20	00:28:03	100
05-Apr	06:36:18	07:01:47	00:25:29	100
06-Apr	06:37:39	06:59:52	00:22:14	100
07-Apr	06:39:32	06:57:26	00:17:54	100
08-Apr	06:42:36	06:53:53	00:11:18	42.6

Date	Start Time	End Time	Duration	% Cover
03-Sep	06:41:44	06:49:57	00:08:14	22.22
04-Sep	06:37:20	06:53:35	00:16:15	90.7
05-Sep	06:34:36	06:55:36	00:20:59	100
06-Sep	06:32:30	06:57:00	00:24:30	100
07-Sep	06:30:48	06:58:01	00:27:13	100
08-Sep	06:29:21	06:58:45	00:29:24	100
09-Sep	06:28:08	06:59:16	00:31:07	100
10-Sep	06:27:06	06:59:35	00:32:29	100
11-Sep	06:26:14	06:59:44	00:33:31	100
12-Sep	06:25:31	06:59:45	00:34:14	100
13-Sep	06:24:56	06:59:36	00:34:40	100
14-Sep	06:24:29	06:59:20	00:34:50	100
15-Sep	06:24:11	06:58:55	00:34:43	100
16-Sep	06:24:01	06:58:21	00:34:20	100
17-Sep	06:23:59	06:57:39	00:33:39	100
18-Sep	06:24:08	06:56:48	00:32:40	100
19-Sep	06:24:26	06:55:46	00:31:20	100
20-Sep	06:24:56	06:54:33	00:29:37	100
21-Sep	06:25:40	06:53:07	00:27:27	100
22-Sep	06:26:41	06:51:25	00:24:44	100
23-Sep	06:28:06	06:49:20	00:21:14	100
24-Sep	06:30:08	06:46:37	00:16:30	98.76

Date	Start Time	End Time	Duration	% Cover
25-Sep	06:33:42	06:42:21	00:08:39	25.93

Shadow Flicker Dates and Times for Dwelling 11

Dwelling 12

Date	Start Time	End Time	Duration	% Cover
15-Mar	06:54:42	07:07:54	00:13:12	65.39
16-Mar	06:51:36	07:10:26	00:18:50	100
17-Mar	06:49:21	07:12:05	00:22:44	100
18-Mar	06:47:34	07:13:15	00:25:41	100
19-Mar	06:46:07	07:14:06	00:27:59	100
20-Mar	06:44:55	07:14:42	00:29:47	100
21-Mar	06:43:56	07:15:06	00:31:10	100
22-Mar	06:43:08	07:15:18	00:32:10	100
23-Mar	06:42:30	07:15:20	00:32:50	100
24-Mar	06:42:01	07:15:13	00:33:12	100
25-Mar	06:41:42	07:14:56	00:33:15	100
26-Mar	06:41:31	07:14:31	00:32:59	100
27-Mar	06:41:30	07:13:56	00:32:26	100
28-Mar	06:41:38	07:13:12	00:31:34	100
29-Mar	06:41:57	07:12:17	00:30:20	100
30-Mar	06:42:28	07:11:11	00:28:43	100
31-Mar	06:43:12	07:09:51	00:26:39	100
01-Apr	06:44:14	07:08:14	00:24:01	100
02-Apr	06:45:40	07:06:14	00:20:34	100

Date	Start Time	End Time	Duration	% Cover
03-Apr	06:47:45	07:03:35	00:15:50	91.79
04-Apr	06:51:38	06:59:14	00:07:37	20.19
08-Sep	06:43:20	06:56:56	00:13:35	65.74
09-Sep	06:40:16	06:59:16	00:19:01	100
10-Sep	06:38:00	07:00:48	00:22:48	100
11-Sep	06:36:13	07:01:53	00:25:40	100
12-Sep	06:34:43	07:02:39	00:27:55	100
13-Sep	06:33:29	07:03:10	00:29:42	100
14-Sep	06:32:26	07:03:30	00:31:04	100
15-Sep	06:31:34	07:03:39	00:32:05	100
16-Sep	06:30:51	07:03:38	00:32:47	100
17-Sep	06:30:18	07:03:28	00:33:10	100
18-Sep	06:29:53	07:03:09	00:33:16	100
19-Sep	06:29:37	07:02:42	00:33:05	100
20-Sep	06:29:30	07:02:06	00:32:35	100
21-Sep	06:29:33	07:01:20	00:31:47	100
22-Sep	06:29:46	07:00:24	00:30:39	100
23-Sep	06:30:10	06:59:17	00:29:07	100
24-Sep	06:30:48	06:57:57	00:27:10	100
25-Sep	06:31:42	06:56:23	00:24:41	100
26-Sep	06:32:59	06:54:27	00:21:29	100
27-Sep	06:34:48	06:51:58	00:17:11	100

Date	Start Time	End Time	Duration	% Cover
28-Sep	06:37:47	06:48:19	00:10:32	40.63

Shadow Flicker Dates and Times for Dwelling 12

Dwelling 13

Date	Start Time	End Time	Duration	% Cover
05-Mar	07:21:13	07:29:03	00:07:50	21.07
06-Mar	07:16:48	07:32:59	00:16:12	94.34
07-Mar	07:14:07	07:35:12	00:21:05	100
08-Mar	07:12:03	07:36:44	00:24:41	100
09-Mar	07:10:23	07:37:52	00:27:29	100
10-Mar	07:09:01	07:38:43	00:29:42	100
11-Mar	07:07:53	07:39:20	00:31:27	100
12-Mar	07:06:56	07:39:45	00:32:49	100
13-Mar	07:06:09	07:39:59	00:33:50	100
14-Mar	07:05:32	07:40:03	00:34:32	100
15-Mar	07:05:03	07:39:58	00:34:55	100
16-Mar	07:04:43	07:39:45	00:35:02	100
17-Mar	07:04:31	07:39:22	00:34:51	100
18-Mar	07:04:28	07:38:50	00:34:22	100
19-Mar	07:04:34	07:38:09	00:33:35	100
20-Mar	07:04:50	07:37:18	00:32:28	100
21-Mar	07:05:16	07:36:16	00:30:59	100
22-Mar	07:05:55	07:35:02	00:29:07	100
23-Mar	07:06:49	07:33:32	00:26:43	100

Date	Start Time	End Time	Duration	% Cover
24-Mar	07:08:03	07:31:43	00:23:40	100
25-Mar	07:09:45	07:29:25	00:19:40	100
26-Mar	07:12:22	07:26:15	00:13:54	66.37
16-Sep	07:03:38	07:13:32	00:09:54	32.8
17-Sep	06:59:32	07:16:50	00:17:17	100
18-Sep	06:56:52	07:18:46	00:21:54	100
19-Sep	06:54:48	07:20:06	00:25:18	100
20-Sep	06:53:06	07:21:04	00:27:58	100
21-Sep	06:51:42	07:21:46	00:30:04	100
22-Sep	06:50:30	07:22:14	00:31:44	100
23-Sep	06:49:30	07:22:31	00:33:01	100
24-Sep	06:48:41	07:22:39	00:33:58	100
25-Sep	06:48:00	07:22:37	00:34:37	100
26-Sep	06:47:29	07:22:27	00:34:58	100
27-Sep	06:47:06	07:22:08	00:35:02	100
28-Sep	06:46:52	07:21:42	00:34:50	100
29-Sep	06:46:46	07:21:07	00:34:20	100
30-Sep	06:46:50	07:20:23	00:33:33	100
01-Oct	06:47:04	07:19:30	00:32:26	100
02-Oct	06:47:28	07:18:27	00:30:59	100
03-Oct	06:48:05	07:17:12	00:29:07	100
04-Oct	06:48:56	07:15:44	00:26:48	100

Date	Start Time	End Time	Duration	% Cover
05-Oct	06:50:06	07:13:59	00:23:53	100
06-Oct	06:51:44	07:11:48	00:20:04	100
07-Oct	06:54:04	07:08:53	00:14:49	77.47
08-Oct	06:59:06	07:03:16	00:04:11	5.89

Shadow Flicker Dates and Times for Dwelling 13

Dwelling 14

Date	Start Time	End Time	Duration	% Cover
02-Mar	07:26:41	07:40:21	00:13:40	66.03
03-Mar	07:23:39	07:42:58	00:19:19	100
04-Mar	07:21:25	07:44:44	00:23:19	100
05-Mar	07:19:39	07:46:01	00:26:21	100
06-Mar	07:18:13	07:46:58	00:28:45	100
07-Mar	07:17:01	07:47:41	00:30:41	100
08-Mar	07:16:01	07:48:12	00:32:11	100
09-Mar	07:15:12	07:48:31	00:33:20	100
10-Mar	07:14:32	07:48:41	00:34:08	100
11-Mar	07:14:01	07:48:40	00:34:39	100
12-Mar	07:13:39	07:48:31	00:34:52	100
13-Mar	07:13:24	07:48:12	00:34:48	100
14-Mar	07:13:19	07:47:45	00:34:26	100
15-Mar	07:13:22	07:47:08	00:33:46	100
16-Mar	07:13:34	07:46:22	00:32:47	100
17-Mar	07:13:57	07:45:25	00:31:28	100

Date	Start Time	End Time	Duration	% Cover
18-Mar	07:14:32	07:44:16	00:29:44	100
19-Mar	07:15:20	07:42:52	00:27:33	100
20-Mar	07:16:26	07:41:11	00:24:45	100
21-Mar	07:17:57	07:39:05	00:21:08	100
22-Mar	07:20:10	07:36:18	00:16:08	91.98
23-Mar	07:24:24	07:31:38	00:07:13	17.75
20-Sep	07:08:35	07:21:11	00:12:36	54.24
21-Sep	07:05:06	07:23:53	00:18:47	100
22-Sep	07:02:39	07:25:37	00:22:58	100
23-Sep	07:00:43	07:26:50	00:26:06	100
24-Sep	06:59:08	07:27:42	00:28:34	100
25-Sep	06:57:48	07:28:20	00:30:32	100
26-Sep	06:56:41	07:28:45	00:32:03	100
27-Sep	06:55:46	07:28:59	00:33:14	100
28-Sep	06:54:59	07:29:04	00:34:04	100
29-Sep	06:54:23	07:29:00	00:34:37	100
30-Sep	06:53:56	07:28:48	00:34:52	100
01-Oct	06:53:37	07:28:27	00:34:51	100
02-Oct	06:53:26	07:27:59	00:34:32	100
03-Oct	06:53:25	07:27:22	00:33:57	100
04-Oct	06:53:33	07:26:36	00:33:03	100
05-Oct	06:53:51	07:25:41	00:31:50	100

Date	Start Time	End Time	Duration	% Cover
06-Oct	06:54:20	07:24:35	00:30:15	100
07-Oct	06:55:03	07:23:18	00:28:15	100
08-Oct	06:56:01	07:21:47	00:25:46	100
09-Oct	06:57:20	07:19:56	00:22:36	100
10-Oct	06:59:10	07:17:36	00:18:26	100
11-Oct	07:01:56	07:14:18	00:12:22	53.2

Shadow Flicker Dates and Times for Dwelling 14

Dwelling 19

Date	Start Time	End Time	Duration	% Cover
25-Jan	08:38:12	08:48:16	00:10:04	38.76
26-Jan	08:36:04	08:50:49	00:14:45	86.68
27-Jan	08:34:33	08:52:40	00:18:07	100
28-Jan	08:33:24	08:54:10	00:20:46	100
29-Jan	08:32:29	08:55:24	00:22:55	100
30-Jan	08:31:44	08:56:26	00:24:42	100
31-Jan	08:31:07	08:57:19	00:26:11	100
01-Feb	08:30:38	08:58:04	00:27:25	100
02-Feb	08:30:16	08:58:41	00:28:25	100
03-Feb	08:29:59	08:59:10	00:29:11	100
04-Feb	08:29:49	08:59:32	00:29:43	100
05-Feb	08:29:44	08:59:47	00:30:03	100
06-Feb	08:29:45	08:59:54	00:30:10	100
07-Feb	08:29:52	08:59:54	00:30:03	100

Date	Start Time	End Time	Duration	% Cover
08-Feb	08:30:05	08:59:47	00:29:42	100
09-Feb	08:30:24	08:59:31	00:29:07	100
10-Feb	08:30:51	08:59:07	00:28:15	100
11-Feb	08:31:27	08:58:32	00:27:05	100
12-Feb	08:32:12	08:57:47	00:25:34	100
13-Feb	08:33:10	08:56:48	00:23:38	100
14-Feb	08:34:24	08:55:32	00:21:08	100
15-Feb	08:36:01	08:53:51	00:17:50	100
16-Feb	08:38:21	08:51:29	00:13:08	70.21
17-Feb	08:43:22	08:46:28	00:03:06	3.8
24-Oct	08:12:39	08:17:45	00:05:05	10.24
25-Oct	08:08:11	08:21:48	00:13:37	75.34
26-Oct	08:05:48	08:23:55	00:18:07	100
27-Oct	08:04:05	08:25:24	00:21:18	100
28-Oct	08:02:46	08:26:31	00:23:44	100
29-Oct	08:01:44	08:27:23	00:25:39	100
30-Oct	08:00:55	08:28:03	00:27:08	100
31-Oct	08:00:18	08:28:34	00:28:16	100
01-Nov	07:59:50	08:28:57	00:29:07	100
02-Nov	07:59:31	08:29:13	00:29:43	100
03-Nov	07:59:20	08:29:23	00:30:03	100
04-Nov	07:59:16	08:29:27	00:30:10	100

Date	Start Time	End Time	Duration	% Cover
05-Nov	07:59:20	08:29:25	00:30:04	100
06-Nov	07:59:32	08:29:17	00:29:46	100
07-Nov	07:59:51	08:29:05	00:29:14	100
08-Nov	08:00:17	08:28:46	00:28:30	100
09-Nov	08:00:50	08:28:22	00:27:32	100
10-Nov	08:01:32	08:27:52	00:26:21	100
11-Nov	08:02:22	08:27:16	00:24:55	100
12-Nov	08:03:22	08:26:33	00:23:11	100
13-Nov	08:04:34	08:25:40	00:21:06	100
14-Nov	08:06:01	08:24:34	00:18:34	100
15-Nov	08:07:48	08:23:10	00:15:22	94.09
16-Nov	08:10:10	08:21:11	00:11:02	46.66
17-Nov	08:15:28	08:16:18	00:00:50	0.26

Shadow Flicker Dates and Times for Dwelling 19

Dwelling 20

Date	Start Time	End Time	Duration	% Cover
21-Jan	08:45:13	08:51:47	00:06:34	15.99
22-Jan	08:42:32	08:54:59	00:12:27	59.43
23-Jan	08:40:54	08:57:05	00:16:11	100
24-Jan	08:39:40	08:58:45	00:19:05	100
25-Jan	08:38:42	09:00:08	00:21:26	100
26-Jan	08:37:55	09:01:19	00:23:24	100
27-Jan	08:37:16	09:02:20	00:25:04	100

Date	Start Time	End Time	Duration	% Cover
28-Jan	08:36:45	09:03:13	00:26:28	100
29-Jan	08:36:20	09:03:58	00:27:38	100
30-Jan	08:36:01	09:04:37	00:28:36	100
31-Jan	08:35:47	09:05:09	00:29:22	100
01-Feb	08:35:38	09:05:34	00:29:56	100
02-Feb	08:35:35	09:05:52	00:30:18	100
03-Feb	08:35:36	09:06:04	00:30:28	100
04-Feb	08:35:43	09:06:09	00:30:26	100
05-Feb	08:35:55	09:06:07	00:30:11	100
06-Feb	08:36:14	09:05:57	00:29:43	100
07-Feb	08:36:39	09:05:39	00:29:00	100
08-Feb	08:37:11	09:05:13	00:28:02	100
09-Feb	08:37:52	09:04:37	00:26:45	100
10-Feb	08:38:43	09:03:49	00:25:06	100
11-Feb	08:39:47	09:02:47	00:23:01	100
12-Feb	08:41:08	09:01:27	00:20:20	100
13-Feb	08:42:55	08:59:40	00:16:45	100
14-Feb	08:45:34	08:57:02	00:11:28	52.36
27-Oct	08:15:07	08:27:03	00:11:56	56.5
28-Oct	08:12:27	08:29:27	00:16:59	100
29-Oct	08:10:37	08:31:06	00:20:28	100
30-Oct	08:09:14	08:32:20	00:23:06	100

Date	Start Time	End Time	Duration	% Cover
31-Oct	08:08:09	08:33:18	00:25:09	100
01-Nov	08:07:17	08:34:03	00:26:46	100
02-Nov	08:06:38	08:34:40	00:28:02	100
03-Nov	08:06:08	08:35:08	00:29:00	100
04-Nov	08:05:46	08:35:29	00:29:43	100
05-Nov	08:05:33	08:35:44	00:30:11	100
06-Nov	08:05:27	08:35:53	00:30:26	100
07-Nov	08:05:29	08:35:57	00:30:29	100
08-Nov	08:05:37	08:35:57	00:30:19	100
09-Nov	08:05:52	08:35:51	00:29:59	100
10-Nov	08:06:14	08:35:40	00:29:26	100
11-Nov	08:06:42	08:35:25	00:28:42	100
12-Nov	08:07:18	08:35:04	00:27:46	100
13-Nov	08:08:00	08:34:38	00:26:38	100
14-Nov	08:08:51	08:34:08	00:25:17	100
15-Nov	08:09:50	08:33:31	00:23:41	100
16-Nov	08:10:58	08:32:46	00:21:47	100
17-Nov	08:12:19	08:31:51	00:19:31	100
18-Nov	08:13:56	08:30:42	00:16:46	100
19-Nov	08:15:56	08:29:11	00:13:15	67.43
20-Nov	08:18:46	08:26:51	00:08:06	24.3

Shadow Flicker Dates and Times for Dwelling 20

Dwelling 21

Date	Start Time	End Time	Duration	% Cover
19-Jan	08:49:40	08:52:45	00:03:05	3.42
20-Jan	08:46:00	08:56:59	00:10:59	44.49
21-Jan	08:44:13	08:59:18	00:15:05	86.76
22-Jan	08:42:55	09:01:05	00:18:11	100
23-Jan	08:41:53	09:02:34	00:20:41	100
24-Jan	08:41:03	09:03:51	00:22:48	100
25-Jan	08:40:22	09:04:57	00:24:35	100
26-Jan	08:39:49	09:05:55	00:26:06	100
27-Jan	08:39:22	09:06:45	00:27:24	100
28-Jan	08:38:59	09:07:30	00:28:30	100
29-Jan	08:38:43	09:08:07	00:29:24	100
30-Jan	08:38:31	09:08:38	00:30:07	100
31-Jan	08:38:25	09:09:03	00:30:39	100
01-Feb	08:38:22	09:09:22	00:30:59	100
02-Feb	08:38:25	09:09:34	00:31:09	100
03-Feb	08:38:33	09:09:40	00:31:07	100
04-Feb	08:38:46	09:09:39	00:30:53	100
05-Feb	08:39:05	09:09:30	00:30:26	100
06-Feb	08:39:29	09:09:15	00:29:45	100
07-Feb	08:40:01	09:08:50	00:28:49	100
08-Feb	08:40:41	09:08:17	00:27:36	100
09-Feb	08:41:30	09:07:33	00:26:03	100

Date	Start Time	End Time	Duration	% Cover
10-Feb	08:42:30	09:06:36	00:24:05	100
11-Feb	08:43:46	09:05:22	00:21:36	100
12-Feb	08:45:25	09:03:45	00:18:21	100
13-Feb	08:47:42	09:01:30	00:13:48	75.12
14-Feb	08:52:01	08:57:16	00:05:15	10.58
27-Oct	08:21:16	08:27:35	00:06:19	15.27
28-Oct	08:17:11	08:31:20	00:14:08	78.6
29-Oct	08:14:53	08:33:25	00:18:32	100
30-Oct	08:13:13	08:34:55	00:21:42	100
31-Oct	08:11:56	08:36:05	00:24:09	100
01-Nov	08:10:55	08:36:59	00:26:05	100
02-Nov	08:10:07	08:37:44	00:27:37	100
03-Nov	08:09:30	08:38:19	00:28:49	100
04-Nov	08:09:02	08:38:47	00:29:45	100
05-Nov	08:08:42	08:39:08	00:30:25	100
06-Nov	08:08:31	08:39:23	00:30:52	100
07-Nov	08:08:26	08:39:33	00:31:07	100
08-Nov	08:08:28	08:39:38	00:31:10	100
09-Nov	08:08:37	08:39:38	00:31:01	100
10-Nov	08:08:52	08:39:34	00:30:42	100
11-Nov	08:09:14	08:39:25	00:30:11	100
12-Nov	08:09:42	08:39:12	00:29:30	100

Date	Start Time	End Time	Duration	% Cover
13-Nov	08:10:16	08:38:54	00:28:38	100
14-Nov	08:10:58	08:38:32	00:27:34	100
15-Nov	08:11:46	08:38:05	00:26:19	100
16-Nov	08:12:42	08:37:32	00:24:50	100
17-Nov	08:13:46	08:36:53	00:23:07	100
18-Nov	08:15:01	08:36:06	00:21:05	100
19-Nov	08:16:28	08:35:08	00:18:41	100
20-Nov	08:18:12	08:33:56	00:15:43	94.59
21-Nov	08:20:22	08:32:17	00:11:55	52.59
22-Nov	08:23:45	08:29:28	00:05:43	11.73

Shadow Flicker Dates and Times for Dwelling 21

Dwelling 22

Date	Start Time	End Time	Duration	% Cover
16-Jan	08:52:37	08:58:13	00:05:37	11.03
17-Jan	08:49:56	09:01:32	00:11:35	48.43
18-Jan	08:48:23	09:03:42	00:15:18	87.07
19-Jan	08:47:13	09:05:26	00:18:13	100
20-Jan	08:46:16	09:06:54	00:20:38	100
21-Jan	08:45:30	09:08:11	00:22:41	100
22-Jan	08:44:52	09:09:19	00:24:27	100
23-Jan	08:44:21	09:10:20	00:25:59	100
24-Jan	08:43:54	09:11:13	00:27:19	100
25-Jan	08:43:33	09:12:01	00:28:27	100

Date	Start Time	End Time	Duration	% Cover
26-Jan	08:43:17	09:12:43	00:29:26	100
27-Jan	08:43:05	09:13:19	00:30:15	100
28-Jan	08:42:57	09:13:50	00:30:53	100
29-Jan	08:42:53	09:14:15	00:31:22	100
30-Jan	08:42:54	09:14:34	00:31:40	100
31-Jan	08:42:59	09:14:47	00:31:49	100
01-Feb	08:43:08	09:14:55	00:31:46	100
02-Feb	08:43:23	09:14:56	00:31:33	100
03-Feb	08:43:42	09:14:50	00:31:08	100
04-Feb	08:44:07	09:14:37	00:30:30	100
05-Feb	08:44:39	09:14:16	00:29:38	100
06-Feb	08:45:17	09:13:47	00:28:30	100
07-Feb	08:46:04	09:13:08	00:27:04	100
08-Feb	08:47:02	09:12:17	00:25:16	100
09-Feb	08:48:12	09:11:12	00:23:00	100
10-Feb	08:49:41	09:09:48	00:20:07	100
11-Feb	08:51:38	09:07:55	00:16:16	100
12-Feb	08:54:38	09:05:01	00:10:24	41.06
29-Oct	08:23:58	08:34:49	00:10:50	44.41
30-Oct	08:21:02	08:37:31	00:16:29	100
31-Oct	08:19:05	08:39:19	00:20:14	100
01-Nov	08:17:37	08:40:41	00:23:04	100

Date	Start Time	End Time	Duration	% Cover
02-Nov	08:16:28	08:41:45	00:25:17	100
03-Nov	08:15:33	08:42:37	00:27:04	100
04-Nov	08:14:50	08:43:19	00:28:29	100
05-Nov	08:14:17	08:43:54	00:29:37	100
06-Nov	08:13:53	08:44:21	00:30:29	100
07-Nov	08:13:36	08:44:43	00:31:07	100
08-Nov	08:13:27	08:44:59	00:31:32	100
09-Nov	08:13:24	08:45:10	00:31:46	100
10-Nov	08:13:28	08:45:17	00:31:49	100
11-Nov	08:13:38	08:45:20	00:31:42	100
12-Nov	08:13:54	08:45:19	00:31:25	100
13-Nov	08:14:16	08:45:13	00:30:58	100
14-Nov	08:14:43	08:45:04	00:30:21	100
15-Nov	08:15:16	08:44:50	00:29:34	100
16-Nov	08:15:56	08:44:33	00:28:37	100
17-Nov	08:16:41	08:44:12	00:27:31	100
18-Nov	08:17:33	08:43:47	00:26:14	100
19-Nov	08:18:32	08:43:16	00:24:44	100
20-Nov	08:19:38	08:42:40	00:23:02	100
21-Nov	08:20:54	08:41:57	00:21:03	100
22-Nov	08:22:21	08:41:05	00:18:44	100
23-Nov	08:24:03	08:39:59	00:15:57	94.83

Date	Start Time	End Time	Duration	% Cover
24-Nov	08:26:05	08:38:34	00:12:29	56.33
25-Nov	08:28:57	08:36:19	00:07:22	19.04

Shadow Flicker Dates and Times for Dwelling 22

Dwelling 23

Date	Start Time	End Time	Duration	% Cover
13-Jan	08:55:41	09:01:53	00:06:12	13.28
14-Jan	08:53:23	09:04:53	00:11:30	46.86
15-Jan	08:51:59	09:06:58	00:14:58	81.73
16-Jan	08:50:55	09:08:40	00:17:45	100
17-Jan	08:50:03	09:10:08	00:20:05	100
18-Jan	08:49:20	09:11:27	00:22:06	100
19-Jan	08:48:45	09:12:37	00:23:52	100
20-Jan	08:48:15	09:13:40	00:25:25	100
21-Jan	08:47:50	09:14:37	00:26:47	100
22-Jan	08:47:29	09:15:28	00:27:59	100
23-Jan	08:47:13	09:16:14	00:29:01	100
24-Jan	08:47:00	09:16:55	00:29:55	100
25-Jan	08:46:52	09:17:31	00:30:40	100
26-Jan	08:46:47	09:18:02	00:31:16	100
27-Jan	08:46:45	09:18:28	00:31:43	100
28-Jan	08:46:48	09:18:49	00:32:01	100
29-Jan	08:46:54	09:19:04	00:32:09	100
30-Jan	08:47:05	09:19:13	00:32:08	100

Date	Start Time	End Time	Duration	% Cover
31-Jan	08:47:20	09:19:16	00:31:56	100
01-Feb	08:47:40	09:19:14	00:31:34	100
02-Feb	08:48:05	09:19:04	00:30:59	100
03-Feb	08:48:36	09:18:48	00:30:12	100
04-Feb	08:49:13	09:18:23	00:29:10	100
05-Feb	08:49:58	09:17:49	00:27:52	100
06-Feb	08:50:52	09:17:05	00:26:13	100
07-Feb	08:51:57	09:16:09	00:24:11	100
08-Feb	08:53:18	09:14:55	00:21:38	100
09-Feb	08:55:00	09:13:19	00:18:19	100
10-Feb	08:57:23	09:11:04	00:13:41	71.34
11-Feb	09:01:51	09:06:44	00:04:53	8.86
30-Oct	08:30:57	08:36:39	00:05:42	12
31-Oct	08:26:43	08:40:38	00:13:55	73.34
01-Nov	08:24:24	08:42:49	00:18:25	100
02-Nov	08:22:43	08:44:24	00:21:41	100
03-Nov	08:21:26	08:45:38	00:24:12	100
04-Nov	08:20:25	08:46:38	00:26:13	100
05-Nov	08:19:37	08:47:27	00:27:50	100
06-Nov	08:18:59	08:48:07	00:29:08	100
07-Nov	08:18:30	08:48:40	00:30:10	100
08-Nov	08:18:10	08:49:07	00:30:57	100

Date	Start Time	End Time	Duration	% Cover
09-Nov	08:17:57	08:49:29	00:31:32	100
10-Nov	08:17:50	08:49:46	00:31:55	100
11-Nov	08:17:50	08:49:58	00:32:08	100
12-Nov	08:17:56	08:50:06	00:32:10	100
13-Nov	08:18:08	08:50:11	00:32:03	100
14-Nov	08:18:25	08:50:11	00:31:46	100
15-Nov	08:18:48	08:50:08	00:31:20	100
16-Nov	08:19:16	08:50:02	00:30:46	100
17-Nov	08:19:49	08:49:52	00:30:03	100
18-Nov	08:20:28	08:49:39	00:29:11	100
19-Nov	08:21:12	08:49:22	00:28:10	100
20-Nov	08:22:02	08:49:02	00:27:01	100
21-Nov	08:22:57	08:48:39	00:25:41	100
22-Nov	08:23:59	08:48:10	00:24:11	100
23-Nov	08:25:08	08:47:37	00:22:29	100
24-Nov	08:26:25	08:46:57	00:20:32	100
25-Nov	08:27:52	08:46:09	00:18:17	100
26-Nov	08:29:32	08:45:10	00:15:38	89.23
27-Nov	08:31:30	08:43:52	00:12:22	54.41
28-Nov	08:34:10	08:41:55	00:07:45	20.85

Shadow Flicker Dates and Times for Dwelling 23

Dwelling 24

Date	Start Time	End Time	Duration	% Cover
07-Jan	09:00:54	09:07:06	00:06:12	12.8
08-Jan	08:59:06	09:09:43	00:10:37	38.32
09-Jan	08:57:57	09:11:40	00:13:43	65.22
10-Jan	08:57:05	09:13:20	00:16:15	93.48
11-Jan	08:56:21	09:14:48	00:18:28	100
12-Jan	08:55:44	09:16:09	00:20:25	100
13-Jan	08:55:12	09:17:23	00:22:10	100
14-Jan	08:54:45	09:18:31	00:23:46	100
15-Jan	08:54:22	09:19:34	00:25:12	100
16-Jan	08:54:02	09:20:33	00:26:31	100
17-Jan	08:53:46	09:21:28	00:27:42	100
18-Jan	08:53:32	09:22:18	00:28:46	100
19-Jan	08:53:21	09:23:04	00:29:43	100
20-Jan	08:53:13	09:23:47	00:30:34	100
21-Jan	08:53:08	09:24:25	00:31:17	100
22-Jan	08:53:06	09:24:59	00:31:54	100
23-Jan	08:53:06	09:25:30	00:32:24	100
24-Jan	08:53:10	09:25:56	00:32:46	100
25-Jan	08:53:16	09:26:17	00:33:00	100
26-Jan	08:53:26	09:26:33	00:33:07	100
27-Jan	08:53:40	09:26:44	00:33:05	100
28-Jan	08:53:57	09:26:51	00:32:53	100

Date	Start Time	End Time	Duration	% Cover
29-Jan	08:54:19	09:26:51	00:32:33	100
30-Jan	08:54:44	09:26:46	00:32:02	100
31-Jan	08:55:15	09:26:34	00:31:19	100
01-Feb	08:55:51	09:26:16	00:30:24	100
02-Feb	08:56:34	09:25:49	00:29:15	100
03-Feb	08:57:25	09:25:13	00:27:49	100
04-Feb	08:58:24	09:24:27	00:26:03	100
05-Feb	08:59:36	09:23:28	00:23:52	100
06-Feb	09:01:03	09:22:11	00:21:08	100
07-Feb	09:02:55	09:20:30	00:17:34	100
08-Feb	09:05:34	09:18:02	00:12:28	57.08
02-Nov	08:34:56	08:47:35	00:12:39	58.33
03-Nov	08:32:23	08:50:01	00:17:38	100
04-Nov	08:30:36	08:51:45	00:21:09	100
05-Nov	08:29:15	08:53:06	00:23:51	100
06-Nov	08:28:11	08:54:12	00:26:01	100
07-Nov	08:27:20	08:55:06	00:27:46	100
08-Nov	08:26:40	08:55:52	00:29:12	100
09-Nov	08:26:09	08:56:31	00:30:21	100
10-Nov	08:25:47	08:57:03	00:31:17	100
11-Nov	08:25:31	08:57:31	00:31:59	100
12-Nov	08:25:22	08:57:53	00:32:31	100

Date	Start Time	End Time	Duration	% Cover
13-Nov	08:25:19	08:58:12	00:32:52	100
14-Nov	08:25:22	08:58:26	00:33:04	100
15-Nov	08:25:30	08:58:37	00:33:07	100
16-Nov	08:25:43	08:58:45	00:33:02	100
17-Nov	08:26:02	08:58:50	00:32:49	100
18-Nov	08:26:25	08:58:52	00:32:28	100
19-Nov	08:26:52	08:58:52	00:31:59	100
20-Nov	08:27:24	08:58:48	00:31:24	100
21-Nov	08:28:00	08:58:42	00:30:42	100
22-Nov	08:28:41	08:58:33	00:29:53	100
23-Nov	08:29:26	08:58:23	00:28:57	100
24-Nov	08:30:15	08:58:10	00:27:55	100
25-Nov	08:31:08	08:57:54	00:26:46	100
26-Nov	08:32:06	08:57:36	00:25:30	100
27-Nov	08:33:09	08:57:14	00:24:05	100
28-Nov	08:34:16	08:56:49	00:22:32	100
29-Nov	08:35:30	08:56:20	00:20:50	100
30-Nov	08:36:49	08:55:46	00:18:56	100
01-Dec	08:38:17	08:55:05	00:16:48	100
02-Dec	08:39:54	08:54:16	00:14:22	71.78
03-Dec	08:41:45	08:53:13	00:11:28	44.76
04-Dec	08:44:07	08:51:41	00:07:34	19.1

Shadow Flicker Dates and Times for Dwelling 24

Dwelling 25

Date	Start Time	End Time	Duration	% Cover
01-Jan	09:02:27	09:13:55	00:11:28	43.63
02-Jan	09:01:56	09:15:22	00:13:26	60.63
03-Jan	09:01:29	09:16:43	00:15:14	79.09
04-Jan	09:01:05	09:18:00	00:16:55	98.98
05-Jan	09:00:42	09:19:14	00:18:31	100
06-Jan	09:00:22	09:20:24	00:20:02	100
07-Jan	09:00:04	09:21:32	00:21:28	100
08-Jan	08:59:48	09:22:37	00:22:49	100
09-Jan	08:59:34	09:23:39	00:24:06	100
10-Jan	08:59:21	09:24:39	00:25:18	100
11-Jan	08:59:10	09:25:36	00:26:26	100
12-Jan	08:59:00	09:26:30	00:27:30	100
13-Jan	08:58:52	09:27:21	00:28:29	100
14-Jan	08:58:46	09:28:10	00:29:24	100
15-Jan	08:58:41	09:28:55	00:30:14	100
16-Jan	08:58:39	09:29:39	00:30:59	100
17-Jan	08:58:38	09:30:19	00:31:41	100
18-Jan	08:58:39	09:30:55	00:32:17	100
19-Jan	08:58:42	09:31:29	00:32:47	100
20-Jan	08:58:47	09:31:58	00:33:11	100
21-Jan	08:58:55	09:32:24	00:33:29	100
22-Jan	08:59:05	09:32:47	00:33:41	100

Date	Start Time	End Time	Duration	% Cover
23-Jan	08:59:18	09:33:05	00:33:46	100
24-Jan	08:59:34	09:33:18	00:33:44	100
25-Jan	08:59:53	09:33:27	00:33:34	100
26-Jan	09:00:16	09:33:32	00:33:16	100
27-Jan	09:00:42	09:33:31	00:32:48	100
28-Jan	09:01:13	09:33:24	00:32:11	100
29-Jan	09:01:48	09:33:11	00:31:23	100
30-Jan	09:02:29	09:32:51	00:30:22	100
31-Jan	09:03:17	09:32:23	00:29:07	100
01-Feb	09:04:12	09:31:47	00:27:35	100
02-Feb	09:05:16	09:30:59	00:25:43	100
03-Feb	09:06:33	09:29:58	00:23:25	100
04-Feb	09:08:06	09:28:39	00:20:33	100
05-Feb	09:10:06	09:26:53	00:16:47	100
06-Feb	09:13:01	09:24:15	00:11:14	45.21
04-Nov	08:42:32	08:53:51	00:11:19	45.66
05-Nov	08:39:45	08:56:32	00:16:47	100
06-Nov	08:37:53	08:58:24	00:20:31	100
07-Nov	08:36:29	08:59:51	00:23:22	100
08-Nov	08:35:23	09:01:02	00:25:39	100
09-Nov	08:34:31	09:02:01	00:27:31	100
10-Nov	08:33:49	09:02:52	00:29:02	100

Date	Start Time	End Time	Duration	% Cover
11-Nov	08:33:17	09:03:35	00:30:18	100
12-Nov	08:32:53	09:04:12	00:31:19	100
13-Nov	08:32:36	09:04:44	00:32:08	100
14-Nov	08:32:26	09:05:11	00:32:46	100
15-Nov	08:32:21	09:05:35	00:33:14	100
16-Nov	08:32:22	09:05:55	00:33:33	100
17-Nov	08:32:28	09:06:12	00:33:44	100
18-Nov	08:32:39	09:06:26	00:33:47	100
19-Nov	08:32:54	09:06:37	00:33:43	100
20-Nov	08:33:13	09:06:45	00:33:32	100
21-Nov	08:33:37	09:06:52	00:33:15	100
22-Nov	08:34:04	09:06:56	00:32:52	100
23-Nov	08:34:35	09:06:58	00:32:23	100
24-Nov	08:35:10	09:06:58	00:31:48	100
25-Nov	08:35:48	09:06:57	00:31:08	100
26-Nov	08:36:30	09:06:53	00:30:24	100
27-Nov	08:37:14	09:06:49	00:29:35	100
28-Nov	08:38:02	09:06:43	00:28:41	100
29-Nov	08:38:52	09:06:36	00:27:43	100
30-Nov	08:39:46	09:06:27	00:26:41	100
01-Dec	08:40:42	09:06:16	00:25:34	100
02-Dec	08:41:41	09:06:04	00:24:23	100

Date	Start Time	End Time	Duration	% Cover
03-Dec	08:42:43	09:05:51	00:23:08	100
04-Dec	08:43:48	09:05:36	00:21:48	100
05-Dec	08:44:56	09:05:20	00:20:24	100
06-Dec	08:46:06	09:05:01	00:18:55	100
07-Dec	08:47:20	09:04:41	00:17:21	100
08-Dec	08:48:37	09:04:18	00:15:41	84.03
09-Dec	08:49:57	09:03:53	00:13:56	65.31
10-Dec	08:51:22	09:03:23	00:12:01	48.01
11-Dec	08:52:54	09:02:47	00:09:53	32.15
12-Dec	08:54:37	09:02:00	00:07:23	17.73
13-Dec	08:56:52	09:00:43	00:03:51	4.76
30-Dec	09:04:15	09:10:02	00:05:48	10.88
31-Dec	09:03:17	09:11:57	00:08:40	24.61

Shadow Flicker Dates and Times for Dwelling 25

Dwelling 26

Date	Start Time	End Time	Duration	% Cover
01-Jan	09:03:14	09:25:36	00:22:23	100
02-Jan	09:03:15	09:26:30	00:23:16	100
03-Jan	09:03:15	09:27:24	00:24:10	100
04-Jan	09:03:14	09:28:18	00:25:03	100
05-Jan	09:03:14	09:29:11	00:25:57	100
06-Jan	09:03:14	09:30:03	00:26:49	100
07-Jan	09:03:13	09:30:54	00:27:40	100

Date	Start Time	End Time	Duration	% Cover
08-Jan	09:03:13	09:31:40	00:28:27	100
09-Jan	09:03:14	09:28:35	00:25:21	100
10-Jan	09:03:15	09:29:21	00:26:06	100
11-Jan	09:03:16	09:30:05	00:26:49	100
12-Jan	09:03:19	09:30:48	00:27:29	100
13-Jan	09:03:23	09:31:29	00:28:06	100
14-Jan	09:03:28	09:32:07	00:28:40	100
15-Jan	09:03:34	09:32:43	00:29:09	100
16-Jan	09:03:41	09:33:16	00:29:35	100
17-Jan	09:03:51	09:33:46	00:29:56	100
18-Jan	09:04:02	09:34:13	00:30:12	100
19-Jan	09:04:15	09:34:37	00:30:23	100
20-Jan	09:04:30	09:38:54	00:34:24	100
21-Jan	09:04:47	09:39:10	00:34:23	100
22-Jan	09:05:07	09:39:23	00:34:16	100
23-Jan	09:05:30	09:39:31	00:34:01	100
24-Jan	09:05:57	09:39:35	00:33:39	100
25-Jan	09:06:26	09:39:34	00:33:08	100
26-Jan	09:07:00	09:39:28	00:32:27	100
27-Jan	09:07:38	09:39:15	00:31:37	100
28-Jan	09:08:22	09:38:56	00:30:34	100
29-Jan	09:09:12	09:38:29	00:29:18	100

Date	Start Time	End Time	Duration	% Cover
30-Jan	09:10:09	09:37:54	00:27:45	100
31-Jan	09:11:15	09:37:08	00:25:53	100
01-Feb	09:12:33	09:36:10	00:23:37	100
02-Feb	09:14:06	09:34:54	00:20:47	100
03-Feb	09:16:06	09:33:12	00:17:07	100
04-Feb	09:18:55	09:30:42	00:11:47	48.86
06-Nov	08:48:42	09:00:28	00:11:46	48.46
07-Nov	08:46:02	09:03:05	00:17:03	100
08-Nov	08:44:14	09:04:56	00:20:42	100
09-Nov	08:42:52	09:06:24	00:23:32	100
10-Nov	08:41:48	09:07:36	00:25:48	100
11-Nov	08:40:58	09:08:37	00:27:40	100
12-Nov	08:40:18	09:09:30	00:29:12	100
13-Nov	08:39:47	09:10:15	00:30:29	100
14-Nov	08:39:23	09:10:55	00:31:32	100
15-Nov	08:39:07	09:11:30	00:32:23	100
16-Nov	08:38:56	09:12:01	00:33:04	100
17-Nov	08:38:52	09:12:28	00:33:36	100
18-Nov	08:38:52	09:12:51	00:33:59	100
19-Nov	08:38:57	09:13:12	00:34:15	100
20-Nov	08:39:07	09:13:30	00:34:23	100
21-Nov	08:39:21	09:13:46	00:34:25	100

Date	Start Time	End Time	Duration	% Cover
22-Nov	08:39:39	09:10:03	00:30:24	100
23-Nov	08:40:00	09:10:15	00:30:14	100
24-Nov	08:40:25	09:10:24	00:29:59	100
25-Nov	08:40:53	09:10:32	00:29:39	100
26-Nov	08:41:24	09:10:39	00:29:15	100
27-Nov	08:41:58	09:10:44	00:28:46	100
28-Nov	08:42:35	09:10:48	00:28:13	100
29-Nov	08:43:14	09:10:51	00:27:37	100
30-Nov	08:43:56	09:10:53	00:26:58	100
01-Dec	08:44:39	09:10:55	00:26:16	100
02-Dec	08:45:25	09:10:56	00:25:32	100
03-Dec	08:46:12	09:10:57	00:24:45	100
04-Dec	08:47:01	09:14:54	00:27:52	100
05-Dec	08:47:52	09:14:54	00:27:02	100
06-Dec	08:48:44	09:14:53	00:26:10	100
07-Dec	08:49:36	09:14:53	00:25:17	100
08-Dec	08:50:30	09:14:53	00:24:23	100
09-Dec	08:51:24	09:14:54	00:23:30	100
10-Dec	08:52:18	09:14:55	00:22:36	100
11-Dec	08:53:13	09:14:57	00:21:44	100
12-Dec	08:54:07	09:14:59	00:20:53	100
13-Dec	08:54:59	09:15:04	00:20:04	100

Date	Start Time	End Time	Duration	% Cover
14-Dec	08:55:52	09:15:10	00:19:18	100
15-Dec	08:56:43	09:15:18	00:18:36	100
16-Dec	08:57:31	09:15:29	00:17:57	100
17-Dec	08:58:18	09:15:42	00:17:24	100
18-Dec	08:59:01	09:15:58	00:16:57	96.47
19-Dec	08:59:42	09:16:18	00:16:36	92.36
20-Dec	09:00:18	09:16:41	00:16:23	89.74
21-Dec	09:00:51	09:17:08	00:16:17	88.62
22-Dec	09:01:20	09:17:39	00:16:19	88.99
23-Dec	09:01:45	09:18:14	00:16:28	90.85
24-Dec	09:02:07	09:18:52	00:16:45	94.2
25-Dec	09:02:24	09:19:33	00:17:09	99.05
26-Dec	09:02:38	09:20:18	00:17:40	100
27-Dec	09:02:49	09:21:05	00:18:15	100
28-Dec	09:02:58	09:21:54	00:18:56	100
29-Dec	09:03:04	09:22:45	00:19:40	100
30-Dec	09:03:09	09:23:37	00:20:28	100
31-Dec	09:03:12	09:24:30	00:21:18	100

Shadow Flicker Dates and Times for Dwelling 26

Dwelling 27

Date	Start Time	End Time	Duration	% Cover
01-Jan	09:06:01	09:29:33	00:23:31	100
02-Jan	09:06:11	09:30:18	00:24:06	100

Date	Start Time	End Time	Duration	% Cover
03-Jan	09:06:21	09:31:03	00:24:42	100
04-Jan	09:06:30	09:31:48	00:25:19	100
05-Jan	09:06:38	09:32:32	00:25:55	100
06-Jan	09:06:46	09:33:16	00:26:30	100
07-Jan	09:06:54	09:33:59	00:27:05	100
08-Jan	09:07:03	09:34:40	00:27:38	100
09-Jan	09:07:11	09:35:21	00:28:10	100
10-Jan	09:07:20	09:36:00	00:28:40	100
11-Jan	09:07:30	09:36:38	00:29:08	100
12-Jan	09:07:40	09:37:13	00:29:33	100
13-Jan	09:07:52	09:37:46	00:29:55	100
14-Jan	09:08:04	09:38:17	00:30:13	100
15-Jan	09:08:18	09:38:46	00:30:28	100
16-Jan	09:08:33	09:39:12	00:30:38	100
17-Jan	09:08:50	09:39:34	00:30:44	100
18-Jan	09:09:09	09:39:54	00:30:45	100
19-Jan	09:09:30	09:40:10	00:30:41	100
20-Jan	09:09:53	09:44:19	00:34:26	100
21-Jan	09:10:19	09:44:28	00:34:09	100
22-Jan	09:10:47	09:44:32	00:33:45	100
23-Jan	09:11:19	09:44:32	00:33:13	100
24-Jan	09:11:55	09:44:27	00:32:31	100

Date	Start Time	End Time	Duration	% Cover
25-Jan	09:12:35	09:44:16	00:31:40	100
26-Jan	09:13:20	09:43:58	00:30:38	100
27-Jan	09:14:11	09:43:34	00:29:23	100
28-Jan	09:15:08	09:43:01	00:27:53	100
29-Jan	09:16:15	09:42:19	00:26:04	100
30-Jan	09:17:32	09:41:24	00:23:52	100
31-Jan	09:19:04	09:40:13	00:21:09	100
01-Feb	09:20:59	09:38:39	00:17:41	100
02-Feb	09:23:36	09:36:23	00:12:47	57.11
03-Feb	09:29:15	09:31:03	00:01:47	1.09
07-Nov	08:59:20	09:00:48	00:01:28	0.73
08-Nov	08:53:45	09:06:25	00:12:40	55.84
09-Nov	08:51:19	09:08:53	00:17:34	100
10-Nov	08:49:38	09:10:41	00:21:02	100
11-Nov	08:48:22	09:12:07	00:23:45	100
12-Nov	08:47:22	09:13:19	00:25:57	100
13-Nov	08:46:34	09:14:20	00:27:46	100
14-Nov	08:45:57	09:15:13	00:29:17	100
15-Nov	08:45:28	09:16:00	00:30:32	100
16-Nov	08:45:06	09:16:41	00:31:35	100
17-Nov	08:44:51	09:17:18	00:32:27	100
18-Nov	08:44:42	09:17:51	00:33:09	100

Date	Start Time	End Time	Duration	% Cover
19-Nov	08:44:39	09:18:20	00:33:42	100
20-Nov	08:44:40	09:18:47	00:34:07	100
21-Nov	08:44:45	09:19:10	00:34:25	100
22-Nov	08:44:55	09:15:35	00:30:40	100
23-Nov	08:45:09	09:15:54	00:30:45	100
24-Nov	08:45:26	09:16:11	00:30:45	100
25-Nov	08:45:46	09:16:27	00:30:40	100
26-Nov	08:46:10	09:16:40	00:30:31	100
27-Nov	08:46:36	09:16:53	00:30:17	100
28-Nov	08:47:05	09:17:04	00:29:59	100
29-Nov	08:47:37	09:17:15	00:29:38	100
30-Nov	08:48:11	09:17:24	00:29:13	100
01-Dec	08:48:47	09:17:33	00:28:46	100
02-Dec	08:49:24	09:17:41	00:28:17	100
03-Dec	08:50:04	09:17:49	00:27:45	100
04-Dec	08:50:45	09:17:57	00:27:12	100
05-Dec	08:51:27	09:18:05	00:26:38	100
06-Dec	08:52:10	09:18:13	00:26:03	100
07-Dec	08:52:54	09:18:21	00:25:27	100
08-Dec	08:53:38	09:18:30	00:24:51	100
09-Dec	08:54:24	09:18:39	00:24:16	100
10-Dec	08:55:09	09:18:49	00:23:40	100

Date	Start Time	End Time	Duration	% Cover
11-Dec	08:55:54	09:18:59	00:23:06	100
12-Dec	08:56:39	09:23:03	00:26:24	100
13-Dec	08:57:23	09:23:21	00:25:58	100
14-Dec	08:58:06	09:23:35	00:25:29	100
15-Dec	08:58:49	09:23:51	00:25:03	100
16-Dec	08:59:30	09:24:09	00:24:40	100
17-Dec	09:00:09	09:24:29	00:24:20	100
18-Dec	09:00:47	09:24:51	00:24:04	100
19-Dec	09:01:23	09:25:15	00:23:52	100
20-Dec	09:01:57	09:25:41	00:23:44	100
21-Dec	09:02:28	09:26:09	00:23:41	100
22-Dec	09:02:58	09:26:39	00:23:42	100
23-Dec	09:03:25	09:27:12	00:23:47	100
24-Dec	09:03:50	09:27:47	00:23:57	100
25-Dec	09:04:12	09:28:23	00:24:11	100
26-Dec	09:04:33	09:29:02	00:24:29	100
27-Dec	09:04:51	09:29:42	00:24:51	100
28-Dec	09:05:08	09:30:23	00:25:16	100
29-Dec	09:05:23	09:31:06	00:25:43	100
30-Dec	09:05:36	09:31:50	00:26:13	100
31-Dec	09:05:48	09:32:29	00:26:41	100

Shadow Flicker Dates and Times for Dwelling 27

Dwelling 28

Date	Start Time	End Time	Duration	% Cover
01-Jan	09:07:37	09:32:53	00:25:16	100
02-Jan	09:07:50	09:33:35	00:25:45	100
03-Jan	09:08:02	09:34:18	00:26:16	100
04-Jan	09:08:14	09:34:59	00:26:46	100
05-Jan	09:08:25	09:35:42	00:27:17	100
06-Jan	09:08:36	09:36:22	00:27:47	100
07-Jan	09:08:47	09:37:03	00:28:16	100
08-Jan	09:08:58	09:37:42	00:28:44	100
09-Jan	09:09:10	09:38:20	00:29:10	100
10-Jan	09:09:22	09:38:56	00:29:35	100
11-Jan	09:09:34	09:39:31	00:29:57	100
12-Jan	09:09:47	09:40:03	00:30:16	100
13-Jan	09:10:02	09:40:34	00:30:32	100
14-Jan	09:10:17	09:41:02	00:30:45	100
15-Jan	09:10:34	09:41:28	00:30:54	100
16-Jan	09:10:52	09:41:50	00:30:58	100
17-Jan	09:11:12	09:42:10	00:30:58	100
18-Jan	09:11:34	09:42:27	00:30:53	100
19-Jan	09:11:58	09:42:40	00:30:42	100
20-Jan	09:12:25	09:46:46	00:34:21	100
21-Jan	09:12:54	09:46:51	00:33:57	100
22-Jan	09:13:27	09:46:52	00:33:25	100

Date	Start Time	End Time	Duration	% Cover
23-Jan	09:14:02	09:46:48	00:32:45	100
24-Jan	09:14:43	09:46:38	00:31:56	100
25-Jan	09:15:27	09:46:23	00:30:55	100
26-Jan	09:16:17	09:46:00	00:29:43	100
27-Jan	09:17:14	09:45:30	00:28:16	100
28-Jan	09:18:19	09:44:51	00:26:32	100
29-Jan	09:19:33	09:43:59	00:24:27	100
30-Jan	09:21:02	09:42:54	00:21:53	100
31-Jan	09:22:50	09:41:28	00:18:38	100
01-Feb	09:25:14	09:39:27	00:14:13	70.52
02-Feb	09:29:10	09:35:53	00:06:43	15.41
08-Nov	08:59:20	09:05:53	00:06:33	14.55
09-Nov	08:55:36	09:09:40	00:14:05	68.79
10-Nov	08:53:25	09:11:55	00:18:30	100
11-Nov	08:51:52	09:13:37	00:21:45	100
12-Nov	08:50:41	09:14:59	00:24:19	100
13-Nov	08:49:45	09:16:09	00:26:25	100
14-Nov	08:49:00	09:17:09	00:28:09	100
15-Nov	08:48:26	09:18:02	00:29:36	100
16-Nov	08:47:59	09:18:48	00:30:49	100
17-Nov	08:47:39	09:19:30	00:31:50	100
18-Nov	08:47:26	09:20:06	00:32:40	100

Date	Start Time	End Time	Duration	% Cover
19-Nov	08:47:18	09:20:39	00:33:21	100
20-Nov	08:47:16	09:21:09	00:33:53	100
21-Nov	08:47:18	09:21:36	00:34:18	100
22-Nov	08:47:24	09:18:04	00:30:40	100
23-Nov	08:47:35	09:18:26	00:30:52	100
24-Nov	08:47:49	09:18:47	00:30:58	100
25-Nov	08:48:06	09:19:05	00:30:59	100
26-Nov	08:48:27	09:19:22	00:30:55	100
27-Nov	08:48:50	09:19:37	00:30:47	100
28-Nov	08:49:16	09:19:51	00:30:35	100
29-Nov	08:49:45	09:20:04	00:30:20	100
30-Nov	08:50:16	09:20:17	00:30:01	100
01-Dec	08:50:49	09:20:28	00:29:40	100
02-Dec	08:51:24	09:20:39	00:29:16	100
03-Dec	08:52:00	09:20:50	00:28:50	100
04-Dec	08:52:38	09:21:00	00:28:22	100
05-Dec	08:53:17	09:21:11	00:27:53	100
06-Dec	08:53:57	09:21:21	00:27:24	100
07-Dec	08:54:39	09:21:32	00:26:54	100
08-Dec	08:55:20	09:21:44	00:26:23	100
09-Dec	08:56:03	09:21:56	00:25:53	100
10-Dec	08:56:45	09:22:08	00:25:23	100

Date	Start Time	End Time	Duration	% Cover
11-Dec	08:57:27	09:22:21	00:24:54	100
12-Dec	08:58:10	09:22:36	00:24:26	100
13-Dec	08:58:51	09:22:51	00:23:59	100
14-Dec	08:59:32	09:23:08	00:23:35	100
15-Dec	09:00:13	09:23:26	00:23:13	100
16-Dec	09:00:52	09:23:46	00:22:54	100
17-Dec	09:01:30	09:24:07	00:22:37	100
18-Dec	09:02:06	09:24:30	00:22:24	100
19-Dec	09:02:41	09:28:45	00:26:04	100
20-Dec	09:03:14	09:29:12	00:25:58	100
21-Dec	09:03:45	09:29:41	00:25:55	100
22-Dec	09:04:15	09:30:11	00:25:56	100
23-Dec	09:04:43	09:30:43	00:26:01	100
24-Dec	09:05:08	09:31:17	00:26:09	100
25-Dec	09:05:32	09:28:02	00:22:30	100
26-Dec	09:05:54	09:28:39	00:22:45	100
27-Dec	09:06:14	09:29:17	00:23:03	100
28-Dec	09:06:33	09:29:57	00:23:24	100
29-Dec	09:06:50	09:30:37	00:23:47	100
30-Dec	09:07:06	09:31:19	00:24:13	100
31-Dec	09:07:21	09:32:01	00:24:40	100

Shadow Flicker Dates and Times for Dwelling 28

Dwelling 29

Date	Start Time	End Time	Duration	% Cover
01-Jan	09:09:27	09:36:18	00:26:50	100
02-Jan	09:09:43	09:36:58	00:27:15	100
03-Jan	09:09:57	09:37:38	00:27:41	100
04-Jan	09:10:12	09:38:18	00:28:06	100
05-Jan	09:10:26	09:38:57	00:28:31	100
06-Jan	09:10:40	09:39:36	00:28:56	100
07-Jan	09:10:53	09:40:13	00:29:20	100
08-Jan	09:11:07	09:40:50	00:29:42	100
09-Jan	09:11:22	09:41:25	00:30:03	100
10-Jan	09:11:37	09:41:58	00:30:22	100
11-Jan	09:11:52	09:42:30	00:30:38	100
12-Jan	09:12:09	09:42:59	00:30:51	100
13-Jan	09:12:26	09:43:27	00:31:01	100
14-Jan	09:12:45	09:43:52	00:31:08	100
15-Jan	09:13:04	09:44:15	00:31:11	100
16-Jan	09:13:26	09:44:35	00:31:09	100
17-Jan	09:13:49	09:44:51	00:31:02	100
18-Jan	09:14:15	09:45:05	00:30:50	100
19-Jan	09:14:42	09:49:11	00:34:29	100
20-Jan	09:15:13	09:49:17	00:34:04	100
21-Jan	09:15:46	09:49:18	00:33:32	100
22-Jan	09:16:22	09:49:15	00:32:52	100

Date	Start Time	End Time	Duration	% Cover
23-Jan	09:17:03	09:49:06	00:32:03	100
24-Jan	09:17:48	09:48:52	00:31:04	100
25-Jan	09:18:38	09:48:31	00:29:53	100
26-Jan	09:19:35	09:48:03	00:28:28	100
27-Jan	09:20:39	09:47:26	00:26:47	100
28-Jan	09:21:52	09:46:37	00:24:45	100
29-Jan	09:23:19	09:45:35	00:22:16	100
30-Jan	09:25:04	09:44:14	00:19:10	100
31-Jan	09:27:21	09:42:21	00:15:01	78.42
01-Feb	09:30:50	09:39:16	00:08:26	24.24
09-Nov	09:01:13	09:09:27	00:08:14	22.96
10-Nov	08:57:57	09:12:48	00:14:51	76.31
11-Nov	08:55:55	09:14:56	00:19:01	100
12-Nov	08:54:27	09:16:35	00:22:08	100
13-Nov	08:53:19	09:17:56	00:24:37	100
14-Nov	08:52:26	09:19:05	00:26:39	100
15-Nov	08:51:43	09:20:04	00:28:21	100
16-Nov	08:51:10	09:20:57	00:29:46	100
17-Nov	08:50:45	09:21:43	00:30:58	100
18-Nov	08:50:27	09:22:25	00:31:58	100
19-Nov	08:50:15	09:23:02	00:32:47	100
20-Nov	08:50:08	09:23:36	00:33:28	100

Date	Start Time	End Time	Duration	% Cover
21-Nov	08:50:06	09:24:07	00:34:01	100
22-Nov	08:50:09	09:24:35	00:34:26	100
23-Nov	08:50:16	09:21:04	00:30:48	100
24-Nov	08:50:26	09:21:27	00:31:01	100
25-Nov	08:50:40	09:21:49	00:31:08	100
26-Nov	08:50:58	09:22:09	00:31:11	100
27-Nov	08:51:18	09:22:27	00:31:09	100
28-Nov	08:51:41	09:22:44	00:31:03	100
29-Nov	08:52:07	09:23:00	00:30:54	100
30-Nov	08:52:35	09:23:16	00:30:41	100
01-Dec	08:53:05	09:23:30	00:30:25	100
02-Dec	08:53:37	09:23:44	00:30:07	100
03-Dec	08:54:10	09:23:57	00:29:47	100
04-Dec	08:54:45	09:24:10	00:29:25	100
05-Dec	08:55:22	09:24:23	00:29:02	100
06-Dec	08:55:59	09:24:36	00:28:37	100
07-Dec	08:56:38	09:24:49	00:28:12	100
08-Dec	08:57:17	09:25:03	00:27:47	100
09-Dec	08:57:56	09:25:18	00:27:22	100
10-Dec	08:58:36	09:25:33	00:26:57	100
11-Dec	08:59:16	09:25:48	00:26:32	100
12-Dec	08:59:56	09:26:05	00:26:09	100

Date	Start Time	End Time	Duration	% Cover
13-Dec	09:00:35	09:26:22	00:25:47	100
14-Dec	09:01:14	09:26:41	00:25:27	100
15-Dec	09:01:53	09:27:01	00:25:08	100
16-Dec	09:02:30	09:27:22	00:24:52	100
17-Dec	09:03:07	09:27:45	00:24:38	100
18-Dec	09:03:42	09:28:09	00:24:27	100
19-Dec	09:04:16	09:28:35	00:24:18	100
20-Dec	09:04:49	09:29:02	00:24:13	100
21-Dec	09:05:20	09:29:31	00:24:11	100
22-Dec	09:05:49	09:30:01	00:24:12	100
23-Dec	09:06:17	09:30:33	00:24:15	100
24-Dec	09:06:44	09:31:06	00:24:22	100
25-Dec	09:07:08	09:31:41	00:24:32	100
26-Dec	09:07:32	09:32:16	00:24:45	100
27-Dec	09:07:54	09:32:53	00:24:59	100
28-Dec	09:08:14	09:33:31	00:25:17	100
29-Dec	09:08:33	09:34:10	00:25:37	100
30-Dec	09:08:51	09:34:49	00:25:58	100
31-Dec	09:09:08	09:35:29	00:26:21	100

Shadow Flicker Dates and Times for Dwelling 29

Dwelling 30

Date	Start Time	End Time	Duration	% Cover
01-Jan	09:11:20	09:39:28	00:28:08	100

Date	Start Time	End Time	Duration	% Cover
02-Jan	09:11:37	09:40:06	00:28:29	100
03-Jan	09:11:54	09:40:45	00:28:51	100
04-Jan	09:12:11	09:41:23	00:29:12	100
05-Jan	09:12:27	09:41:59	00:29:33	100
06-Jan	09:12:43	09:42:36	00:29:53	100
07-Jan	09:12:59	09:43:11	00:30:12	100
08-Jan	09:13:16	09:43:45	00:30:29	100
09-Jan	09:13:33	09:44:18	00:30:45	100
10-Jan	09:13:50	09:44:49	00:30:59	100
11-Jan	09:14:09	09:45:18	00:31:10	100
12-Jan	09:14:28	09:45:45	00:31:18	100
13-Jan	09:14:48	09:46:10	00:31:22	100
14-Jan	09:15:09	09:46:33	00:31:23	100
15-Jan	09:15:32	09:46:52	00:31:20	100
16-Jan	09:15:56	09:47:09	00:31:13	100
17-Jan	09:16:23	09:47:23	00:31:00	100
18-Jan	09:16:51	09:47:33	00:30:42	100
19-Jan	09:17:22	09:51:36	00:34:14	100
20-Jan	09:17:56	09:51:38	00:33:42	100
21-Jan	09:18:33	09:51:36	00:33:03	100
22-Jan	09:19:14	09:51:29	00:32:15	100
23-Jan	09:19:59	09:51:16	00:31:17	100

Date	Start Time	End Time	Duration	% Cover
24-Jan	09:20:49	09:50:57	00:30:08	100
25-Jan	09:21:45	09:50:31	00:28:46	100
26-Jan	09:22:48	09:49:56	00:27:08	100
27-Jan	09:24:00	09:49:11	00:25:11	100
28-Jan	09:25:24	09:48:13	00:22:49	100
29-Jan	09:27:05	09:46:57	00:19:52	100
30-Jan	09:29:14	09:45:14	00:16:00	89.06
31-Jan	09:32:19	09:42:35	00:10:15	35.84
10-Nov	09:02:57	09:12:59	00:10:02	34.13
11-Nov	09:00:06	09:15:55	00:15:50	86.56
12-Nov	08:58:14	09:17:56	00:19:42	100
13-Nov	08:56:52	09:19:31	00:22:39	100
14-Nov	08:55:48	09:20:50	00:25:02	100
15-Nov	08:54:57	09:21:57	00:26:59	100
16-Nov	08:54:18	09:22:56	00:28:38	100
17-Nov	08:53:47	09:23:48	00:30:01	100
18-Nov	08:53:24	09:24:34	00:31:11	100
19-Nov	08:53:07	09:25:16	00:32:09	100
20-Nov	08:52:56	09:25:54	00:32:58	100
21-Nov	08:52:51	09:26:28	00:33:38	100
22-Nov	08:52:50	09:26:59	00:34:10	100
23-Nov	08:52:53	09:23:32	00:30:39	100

Date	Start Time	End Time	Duration	% Cover
24-Nov	08:53:00	09:23:59	00:30:58	100
25-Nov	08:53:11	09:24:23	00:31:12	100
26-Nov	08:53:26	09:24:46	00:31:20	100
27-Nov	08:53:43	09:25:07	00:31:24	100
28-Nov	08:54:04	09:25:27	00:31:23	100
29-Nov	08:54:26	09:25:45	00:31:19	100
30-Nov	08:54:52	09:26:03	00:31:12	100
01-Dec	08:55:19	09:26:20	00:31:01	100
02-Dec	08:55:48	09:26:36	00:30:48	100
03-Dec	08:56:19	09:26:52	00:30:33	100
04-Dec	08:56:52	09:27:08	00:30:16	100
05-Dec	08:57:26	09:27:23	00:29:57	100
06-Dec	08:58:01	09:27:39	00:29:38	100
07-Dec	08:58:37	09:27:54	00:29:17	100
08-Dec	08:59:14	09:28:10	00:28:56	100
09-Dec	08:59:51	09:28:26	00:28:34	100
10-Dec	09:00:29	09:28:43	00:28:14	100
11-Dec	09:01:07	09:29:00	00:27:53	100
12-Dec	09:01:45	09:29:19	00:27:34	100
13-Dec	09:02:23	09:29:38	00:27:15	100
14-Dec	09:03:00	09:29:58	00:26:58	100
15-Dec	09:03:37	09:30:19	00:26:42	100

Date	Start Time	End Time	Duration	% Cover
16-Dec	09:04:13	09:30:42	00:26:28	100
17-Dec	09:04:49	09:31:05	00:26:17	100
18-Dec	09:05:23	09:31:30	00:26:07	100
19-Dec	09:05:56	09:31:57	00:26:00	100
20-Dec	09:06:29	09:32:24	00:25:56	100
21-Dec	09:06:59	09:32:53	00:25:54	100
22-Dec	09:07:29	09:33:24	00:25:54	100
23-Dec	09:07:57	09:33:55	00:25:58	100
24-Dec	09:08:24	09:34:28	00:26:03	100
25-Dec	09:08:50	09:35:02	00:26:12	100
26-Dec	09:09:14	09:35:36	00:26:22	100
27-Dec	09:09:37	09:36:12	00:26:35	100
28-Dec	09:09:59	09:36:49	00:26:50	100
29-Dec	09:10:19	09:37:26	00:27:06	100
30-Dec	09:10:39	09:38:03	00:27:24	100
31-Dec	09:10:58	09:38:41	00:27:43	100

Shadow Flicker Dates and Times for Dwelling 30

Dwelling 31

Date	Start Time	End Time	Duration	% Cover
01-Jan	09:13:41	09:43:07	00:29:26	100
02-Jan	09:14:01	09:43:43	00:29:42	100
03-Jan	09:14:20	09:44:19	00:29:59	100
04-Jan	09:14:39	09:44:54	00:30:15	100

Date	Start Time	End Time	Duration	% Cover
05-Jan	09:14:58	09:45:29	00:30:31	100
06-Jan	09:15:17	09:46:03	00:30:46	100
07-Jan	09:15:36	09:46:35	00:30:59	100
08-Jan	09:15:55	09:47:07	00:31:11	100
09-Jan	09:16:15	09:47:37	00:31:21	100
10-Jan	09:16:36	09:48:05	00:31:29	100
11-Jan	09:16:57	09:48:31	00:31:34	100
12-Jan	09:17:19	09:48:55	00:31:36	100
13-Jan	09:17:43	09:49:17	00:31:34	100
14-Jan	09:18:07	09:49:36	00:31:28	100
15-Jan	09:18:34	09:49:52	00:31:19	100
16-Jan	09:19:02	09:50:06	00:31:04	100
17-Jan	09:19:32	09:50:16	00:30:43	100
18-Jan	09:20:05	09:54:18	00:34:14	100
19-Jan	09:20:40	09:54:21	00:33:41	100
20-Jan	09:21:19	09:54:19	00:33:00	100
21-Jan	09:22:01	09:54:12	00:32:11	100
22-Jan	09:22:47	09:53:59	00:31:12	100
23-Jan	09:23:38	09:53:41	00:30:03	100
24-Jan	09:24:35	09:53:15	00:28:40	100
25-Jan	09:25:39	09:52:41	00:27:02	100
26-Jan	09:26:52	09:51:57	00:25:05	100

Date	Start Time	End Time	Duration	% Cover
27-Jan	09:28:17	09:50:59	00:22:43	100
28-Jan	09:29:58	09:49:45	00:19:47	100
29-Jan	09:32:06	09:48:03	00:15:57	87.75
30-Jan	09:35:11	09:45:26	00:10:15	35.51
11-Nov	09:06:06	09:16:05	00:09:59	33.5
12-Nov	09:03:17	09:19:01	00:15:44	85
13-Nov	09:01:26	09:21:02	00:19:36	100
14-Nov	09:00:05	09:22:38	00:22:33	100
15-Nov	08:59:02	09:23:57	00:24:55	100
16-Nov	08:58:12	09:25:05	00:26:53	100
17-Nov	08:57:33	09:26:05	00:28:32	100
18-Nov	08:57:03	09:26:58	00:29:55	100
19-Nov	08:56:40	09:27:46	00:31:06	100
20-Nov	08:56:24	09:28:29	00:32:05	100
21-Nov	08:56:13	09:29:08	00:32:55	100
22-Nov	08:56:08	09:29:44	00:33:36	100
23-Nov	08:56:07	09:30:17	00:34:10	100
24-Nov	08:56:10	09:26:51	00:30:40	100
25-Nov	08:56:18	09:27:19	00:31:01	100
26-Nov	08:56:28	09:27:45	00:31:17	100
27-Nov	08:56:42	09:28:10	00:31:27	100
28-Nov	08:56:59	09:28:33	00:31:34	100

Date	Start Time	End Time	Duration	% Cover
29-Nov	08:57:19	09:28:55	00:31:36	100
30-Nov	08:57:41	09:29:15	00:31:35	100
01-Dec	08:58:05	09:29:35	00:31:30	100
02-Dec	08:58:31	09:29:54	00:31:23	100
03-Dec	08:58:59	09:30:13	00:31:14	100
04-Dec	08:59:29	09:30:31	00:31:02	100
05-Dec	09:00:00	09:30:49	00:30:49	100
06-Dec	09:00:33	09:31:07	00:30:35	100
07-Dec	09:01:06	09:31:25	00:30:19	100
08-Dec	09:01:41	09:31:43	00:30:03	100
09-Dec	09:02:16	09:32:02	00:29:46	100
10-Dec	09:02:51	09:32:21	00:29:30	100
11-Dec	09:03:27	09:32:40	00:29:13	100
12-Dec	09:04:03	09:32:59	00:28:57	100
13-Dec	09:04:39	09:33:21	00:28:42	100
14-Dec	09:05:14	09:33:43	00:28:28	100
15-Dec	09:05:50	09:34:05	00:28:16	100
16-Dec	09:06:25	09:34:29	00:28:05	100
17-Dec	09:06:59	09:34:54	00:27:55	100
18-Dec	09:07:32	09:35:20	00:27:47	100
19-Dec	09:08:05	09:35:47	00:27:42	100
20-Dec	09:08:37	09:36:15	00:27:38	100

Date	Start Time	End Time	Duration	% Cover
21-Dec	09:09:07	09:36:44	00:27:36	100
22-Dec	09:09:37	09:37:14	00:27:37	100
23-Dec	09:10:06	09:37:45	00:27:40	100
24-Dec	09:10:33	09:38:17	00:27:44	100
25-Dec	09:10:59	09:38:50	00:27:51	100
26-Dec	09:11:25	09:39:24	00:27:59	100
27-Dec	09:11:49	09:39:59	00:28:10	100
28-Dec	09:12:12	09:40:34	00:28:22	100
29-Dec	09:12:34	09:41:10	00:28:35	100
30-Dec	09:12:56	09:41:46	00:28:50	100
31-Dec	09:13:17	09:42:22	00:29:05	100

Shadow Flicker Dates and Times for Dwelling 31

Dwelling 32

Date	Start Time	End Time	Duration	% Cover
01-Jan	09:16:04	09:46:31	00:30:27	100
02-Jan	09:16:26	09:47:06	00:30:40	100
03-Jan	09:16:47	09:47:40	00:30:53	100
04-Jan	09:17:08	09:48:13	00:31:05	100
05-Jan	09:17:30	09:48:46	00:31:16	100
06-Jan	09:17:51	09:49:17	00:31:26	100
07-Jan	09:18:12	09:49:47	00:31:35	100
08-Jan	09:18:34	09:50:16	00:31:42	100
09-Jan	09:18:57	09:50:43	00:31:46	100

Date	Start Time	End Time	Duration	% Cover
10-Jan	09:19:20	09:51:09	00:31:49	100
11-Jan	09:19:44	09:51:32	00:31:48	100
12-Jan	09:20:09	09:51:54	00:31:44	100
13-Jan	09:20:36	09:52:12	00:31:36	100
14-Jan	09:21:04	09:52:29	00:31:25	100
15-Jan	09:21:34	09:52:42	00:31:08	100
16-Jan	09:22:05	09:52:52	00:30:46	100
17-Jan	09:22:39	09:52:58	00:30:19	100
18-Jan	09:23:16	09:56:57	00:33:41	100
19-Jan	09:23:55	09:56:55	00:33:00	100
20-Jan	09:24:38	09:56:49	00:32:10	100
21-Jan	09:25:26	09:56:37	00:31:12	100
22-Jan	09:26:17	09:56:19	00:30:02	100
23-Jan	09:27:15	09:55:54	00:28:39	100
24-Jan	09:28:19	09:55:21	00:27:02	100
25-Jan	09:29:33	09:54:39	00:25:06	100
26-Jan	09:30:57	09:53:43	00:22:46	100
27-Jan	09:32:38	09:52:31	00:19:52	100
28-Jan	09:34:45	09:50:52	00:16:07	89.05
29-Jan	09:37:45	09:48:21	00:10:36	37.81
12-Nov	09:08:58	09:19:16	00:10:18	35.5
13-Nov	09:06:15	09:22:08	00:15:53	86.04

Date	Start Time	End Time	Duration	% Cover
14-Nov	09:04:27	09:24:08	00:19:40	100
15-Nov	09:03:08	09:25:43	00:22:35	100
16-Nov	09:02:07	09:27:03	00:24:56	100
17-Nov	09:01:19	09:28:11	00:26:53	100
18-Nov	09:00:41	09:29:12	00:28:31	100
19-Nov	09:00:12	09:30:06	00:29:54	100
20-Nov	08:59:50	09:30:54	00:31:04	100
21-Nov	08:59:34	09:31:38	00:32:04	100
22-Nov	08:59:24	09:32:18	00:32:54	100
23-Nov	08:59:19	09:32:55	00:33:37	100
24-Nov	08:59:18	09:29:33	00:30:15	100
25-Nov	08:59:21	09:30:05	00:30:43	100
26-Nov	08:59:29	09:30:34	00:31:05	100
27-Nov	08:59:39	09:31:02	00:31:23	100
28-Nov	08:59:53	09:31:28	00:31:35	100
29-Nov	09:00:09	09:31:53	00:31:43	100
30-Nov	09:00:28	09:32:16	00:31:48	100
01-Dec	09:00:50	09:32:39	00:31:49	100
02-Dec	09:01:13	09:33:01	00:31:47	100
03-Dec	09:01:39	09:33:22	00:31:43	100
04-Dec	09:02:06	09:33:43	00:31:37	100
05-Dec	09:02:35	09:34:03	00:31:28	100

Date	Start Time	End Time	Duration	% Cover
06-Dec	09:03:05	09:34:23	00:31:19	100
07-Dec	09:03:36	09:34:44	00:31:07	100
08-Dec	09:04:08	09:35:04	00:30:56	100
09-Dec	09:04:41	09:35:24	00:30:43	100
10-Dec	09:05:15	09:35:45	00:30:30	100
11-Dec	09:05:49	09:36:06	00:30:18	100
12-Dec	09:06:23	09:36:28	00:30:05	100
13-Dec	09:06:57	09:36:50	00:29:53	100
14-Dec	09:07:31	09:37:13	00:29:42	100
15-Dec	09:08:05	09:37:37	00:29:32	100
16-Dec	09:08:39	09:38:01	00:29:22	100
17-Dec	09:09:12	09:38:27	00:29:15	100
18-Dec	09:09:45	09:38:53	00:29:08	100
19-Dec	09:10:17	09:39:21	00:29:04	100
20-Dec	09:10:49	09:39:49	00:29:00	100
21-Dec	09:11:19	09:40:18	00:28:59	100
22-Dec	09:11:49	09:40:49	00:28:59	100
23-Dec	09:12:18	09:41:20	00:29:02	100
24-Dec	09:12:46	09:41:51	00:29:06	100
25-Dec	09:13:13	09:42:24	00:29:11	100
26-Dec	09:13:39	09:42:57	00:29:18	100
27-Dec	09:14:04	09:43:31	00:29:27	100

Date	Start Time	End Time	Duration	% Cover
28-Dec	09:14:28	09:44:05	00:29:37	100
29-Dec	09:14:52	09:44:40	00:29:47	100
30-Dec	09:15:15	09:45:14	00:29:59	100
31-Dec	09:15:37	09:45:49	00:30:11	100

Shadow Flicker Dates and Times for Dwelling 32

Dwelling 33

Date	Start Time	End Time	Duration	% Cover
01-Jan	09:18:54	09:50:17	00:31:23	100
02-Jan	09:19:17	09:50:49	00:31:32	100
03-Jan	09:19:41	09:51:21	00:31:40	100
04-Jan	09:20:04	09:51:52	00:31:48	100
05-Jan	09:20:28	09:52:22	00:31:54	100
06-Jan	09:20:52	09:52:51	00:31:59	100
07-Jan	09:21:16	09:53:19	00:32:03	100
08-Jan	09:21:41	09:53:45	00:32:05	100
09-Jan	09:22:06	09:54:10	00:32:04	100
10-Jan	09:22:32	09:54:33	00:32:00	100
11-Jan	09:22:59	09:54:53	00:31:54	100
12-Jan	09:23:28	09:55:11	00:31:43	100
13-Jan	09:23:58	09:55:27	00:31:29	100
14-Jan	09:24:29	09:55:40	00:31:10	100
15-Jan	09:25:03	09:55:49	00:30:47	100
16-Jan	09:25:38	09:55:55	00:30:17	100

Date	Start Time	End Time	Duration	% Cover
17-Jan	09:26:17	09:59:54	00:33:38	100
18-Jan	09:26:58	09:59:52	00:32:55	100
19-Jan	09:27:42	09:59:46	00:32:03	100
20-Jan	09:28:31	09:59:34	00:31:03	100
21-Jan	09:29:24	09:59:16	00:29:52	100
22-Jan	09:30:23	09:58:52	00:28:28	100
23-Jan	09:31:29	09:58:19	00:26:50	100
24-Jan	09:32:44	09:57:36	00:24:53	100
25-Jan	09:34:10	09:56:41	00:22:31	100
26-Jan	09:35:52	09:55:29	00:19:36	100
27-Jan	09:38:01	09:53:50	00:15:48	84.83
28-Jan	09:41:05	09:51:16	00:10:12	34.61
13-Nov	09:12:38	09:22:29	00:09:51	32.08
14-Nov	09:09:52	09:25:25	00:15:33	81.64
15-Nov	09:08:04	09:27:28	00:19:23	100
16-Nov	09:06:45	09:29:04	00:22:20	100
17-Nov	09:05:44	09:30:25	00:24:42	100
18-Nov	09:04:56	09:31:36	00:26:40	100
19-Nov	09:04:18	09:32:37	00:28:19	100
20-Nov	09:03:49	09:33:33	00:29:44	100
21-Nov	09:03:27	09:34:23	00:30:56	100
22-Nov	09:03:11	09:35:08	00:31:57	100

Date	Start Time	End Time	Duration	% Cover
23-Nov	09:03:01	09:35:50	00:32:49	100
24-Nov	09:02:56	09:36:28	00:33:32	100
25-Nov	09:02:55	09:33:08	00:30:13	100
26-Nov	09:02:58	09:33:41	00:30:43	100
27-Nov	09:03:05	09:34:12	00:31:07	100
28-Nov	09:03:15	09:34:42	00:31:27	100
29-Nov	09:03:28	09:35:10	00:31:42	100
30-Nov	09:03:44	09:35:37	00:31:52	100
01-Dec	09:04:03	09:36:02	00:31:59	100
02-Dec	09:04:23	09:36:27	00:32:04	100
03-Dec	09:04:46	09:36:51	00:32:05	100
04-Dec	09:05:10	09:37:14	00:32:04	100
05-Dec	09:05:36	09:37:37	00:32:01	100
06-Dec	09:06:04	09:37:59	00:31:56	100
07-Dec	09:06:33	09:38:22	00:31:49	100
08-Dec	09:07:03	09:38:45	00:31:42	100
09-Dec	09:07:33	09:39:07	00:31:34	100
10-Dec	09:08:05	09:39:30	00:31:25	100
11-Dec	09:08:37	09:39:53	00:31:16	100
12-Dec	09:09:09	09:40:16	00:31:07	100
13-Dec	09:09:42	09:40:40	00:30:58	100
14-Dec	09:10:15	09:41:04	00:30:50	100

Date	Start Time	End Time	Duration	% Cover
15-Dec	09:10:48	09:41:29	00:30:42	100
16-Dec	09:11:20	09:41:55	00:30:35	100
17-Dec	09:11:53	09:42:22	00:30:29	100
18-Dec	09:12:25	09:42:49	00:30:24	100
19-Dec	09:12:56	09:43:17	00:30:20	100
20-Dec	09:13:27	09:43:45	00:30:18	100
21-Dec	09:13:58	09:44:15	00:30:17	100
22-Dec	09:14:27	09:44:45	00:30:17	100
23-Dec	09:14:56	09:45:15	00:30:19	100
24-Dec	09:15:25	09:45:47	00:30:22	100
25-Dec	09:15:52	09:46:19	00:30:26	100
26-Dec	09:16:19	09:46:51	00:30:32	100
27-Dec	09:16:46	09:47:24	00:30:38	100
28-Dec	09:17:11	09:47:57	00:30:46	100
29-Dec	09:17:36	09:48:30	00:30:54	100
30-Dec	09:18:01	09:49:03	00:31:03	100
31-Dec	09:18:25	09:49:36	00:31:12	100

Shadow Flicker Dates and Times for Dwelling 33

Dwelling 34

Date	Start Time	End Time	Duration	% Cover
01-Jan	09:22:39	09:55:04	00:32:24	100
02-Jan	09:23:05	09:55:34	00:32:29	100
03-Jan	09:23:31	09:56:04	00:32:33	100

Date	Start Time	End Time	Duration	% Cover
04-Jan	09:23:57	09:56:33	00:32:36	100
05-Jan	09:24:23	09:57:00	00:32:37	100
06-Jan	09:24:49	09:57:27	00:32:37	100
07-Jan	09:25:16	09:57:52	00:32:35	100
08-Jan	09:25:44	09:58:15	00:32:31	100
09-Jan	09:26:13	09:58:36	00:32:24	100
10-Jan	09:26:42	09:58:56	00:32:14	100
11-Jan	09:27:13	09:59:13	00:32:00	100
12-Jan	09:27:45	09:59:28	00:31:43	100
13-Jan	09:28:19	09:59:40	00:31:21	100
14-Jan	09:28:54	09:59:48	00:30:54	100
15-Jan	09:29:32	09:59:54	00:30:22	100
16-Jan	09:30:12	10:03:52	00:33:40	100
17-Jan	09:30:56	10:03:50	00:32:54	100
18-Jan	09:31:42	10:03:42	00:32:00	100
19-Jan	09:32:33	10:03:30	00:30:57	100
20-Jan	09:33:28	10:03:12	00:29:44	100
21-Jan	09:34:29	10:02:47	00:28:17	100
22-Jan	09:35:37	10:02:13	00:26:36	100
23-Jan	09:36:54	10:01:30	00:24:36	100
24-Jan	09:38:23	10:00:34	00:22:11	100
25-Jan	09:40:09	09:59:20	00:19:11	100

Date	Start Time	End Time	Duration	% Cover
26-Jan	09:42:23	09:57:38	00:15:14	77.4
27-Jan	09:45:37	09:54:55	00:09:18	28.23
14-Nov	09:17:33	09:26:26	00:08:53	25.59
15-Nov	09:14:38	09:29:35	00:14:57	74.14
16-Nov	09:12:46	09:31:42	00:18:57	100
17-Nov	09:11:24	09:33:22	00:21:58	100
18-Nov	09:10:22	09:34:46	00:24:24	100
19-Nov	09:09:33	09:35:59	00:26:25	100
20-Nov	09:08:55	09:37:03	00:28:08	100
21-Nov	09:08:25	09:38:00	00:29:35	100
22-Nov	09:08:03	09:38:52	00:30:49	100
23-Nov	09:07:47	09:39:40	00:31:53	100
24-Nov	09:07:36	09:40:23	00:32:47	100
25-Nov	09:07:30	09:41:04	00:33:34	100
26-Nov	09:07:29	09:37:45	00:30:17	100
27-Nov	09:07:31	09:38:21	00:30:50	100
28-Nov	09:07:37	09:38:54	00:31:17	100
29-Nov	09:07:46	09:39:26	00:31:40	100
30-Nov	09:07:58	09:39:56	00:31:58	100
01-Dec	09:08:13	09:40:25	00:32:12	100
02-Dec	09:08:31	09:40:53	00:32:22	100
03-Dec	09:08:50	09:41:20	00:32:30	100

Date	Start Time	End Time	Duration	% Cover
04-Dec	09:09:11	09:41:46	00:32:35	100
05-Dec	09:09:35	09:42:12	00:32:37	100
06-Dec	09:09:59	09:42:37	00:32:38	100
07-Dec	09:10:26	09:43:02	00:32:36	100
08-Dec	09:10:53	09:43:27	00:32:34	100
09-Dec	09:11:21	09:43:52	00:32:30	100
10-Dec	09:11:51	09:44:16	00:32:26	100
11-Dec	09:12:21	09:44:41	00:32:21	100
12-Dec	09:12:51	09:45:06	00:32:15	100
13-Dec	09:13:22	09:45:32	00:32:10	100
14-Dec	09:13:53	09:45:58	00:32:04	100
15-Dec	09:14:25	09:46:24	00:31:59	100
16-Dec	09:14:56	09:46:51	00:31:55	100
17-Dec	09:15:28	09:47:18	00:31:51	100
18-Dec	09:15:59	09:47:46	00:31:47	100
19-Dec	09:16:30	09:48:15	00:31:45	100
20-Dec	09:17:00	09:48:44	00:31:43	100
21-Dec	09:17:31	09:49:13	00:31:43	100
22-Dec	09:18:01	09:49:43	00:31:43	100
23-Dec	09:18:30	09:50:14	00:31:44	100
24-Dec	09:18:59	09:50:45	00:31:46	100
25-Dec	09:19:27	09:51:16	00:31:49	100

Date	Start Time	End Time	Duration	% Cover
26-Dec	09:19:55	09:51:48	00:31:53	100
27-Dec	09:20:22	09:52:19	00:31:57	100
28-Dec	09:20:49	09:52:51	00:32:02	100
29-Dec	09:21:16	09:53:23	00:32:07	100
30-Dec	09:21:42	09:53:54	00:32:13	100
31-Dec	09:22:08	09:54:26	00:32:18	100

Shadow Flicker Dates and Times for Dwelling 34

Dwelling 35

Date	Start Time	End Time	Duration	% Cover
01-Jan	09:36:01	10:08:22	00:32:21	100
02-Jan	09:36:34	10:08:46	00:32:12	100
03-Jan	09:37:08	10:09:08	00:31:59	100
04-Jan	09:37:42	10:09:28	00:31:46	100
05-Jan	09:38:18	10:09:47	00:31:29	100
06-Jan	09:38:54	10:10:04	00:31:10	100
07-Jan	09:39:32	10:10:19	00:30:47	100
08-Jan	09:40:11	10:10:31	00:30:20	100
09-Jan	09:40:52	10:10:41	00:29:49	100
10-Jan	09:41:35	10:10:48	00:29:13	100
11-Jan	09:42:20	10:10:51	00:28:31	100
12-Jan	09:43:08	10:14:47	00:31:39	100
13-Jan	09:43:59	10:14:43	00:30:44	100
14-Jan	09:44:53	10:14:34	00:29:40	100

Date	Start Time	End Time	Duration	% Cover
15-Jan	09:45:52	10:14:19	00:28:27	100
16-Jan	09:46:56	10:13:58	00:27:02	100
17-Jan	09:48:07	10:13:29	00:25:23	100
18-Jan	09:49:26	10:12:51	00:23:25	100
19-Jan	09:50:56	10:12:01	00:21:05	100
20-Jan	09:52:43	10:10:54	00:18:11	100
21-Jan	09:54:57	10:09:20	00:14:23	67.82
22-Jan	09:58:05	10:06:47	00:08:41	24.19
19-Nov	09:32:15	09:40:19	00:08:04	20.72
20-Nov	09:29:30	09:43:30	00:13:59	63.92
21-Nov	09:27:45	09:45:38	00:17:53	100
22-Nov	09:26:30	09:47:19	00:20:49	100
23-Nov	09:25:34	09:48:45	00:23:12	100
24-Nov	09:24:50	09:50:00	00:25:10	100
25-Nov	09:24:17	09:51:07	00:26:51	100
26-Nov	09:23:51	09:52:08	00:28:17	100
27-Nov	09:23:32	09:53:04	00:29:32	100
28-Nov	09:23:19	09:53:56	00:30:36	100
29-Nov	09:23:12	09:54:44	00:31:32	100
30-Nov	09:23:08	09:55:16	00:32:08	100
01-Dec	09:23:08	09:52:15	00:29:07	100
02-Dec	09:23:12	09:52:56	00:29:44	100

Date	Start Time	End Time	Duration	% Cover
03-Dec	09:23:19	09:53:35	00:30:15	100
04-Dec	09:23:29	09:54:12	00:30:43	100
05-Dec	09:23:42	09:54:48	00:31:06	100
06-Dec	09:23:56	09:55:23	00:31:26	100
07-Dec	09:24:13	09:55:56	00:31:43	100
08-Dec	09:24:32	09:56:29	00:31:58	100
09-Dec	09:24:52	09:57:02	00:32:10	100
10-Dec	09:25:14	09:57:34	00:32:20	100
11-Dec	09:25:37	09:58:05	00:32:28	100
12-Dec	09:26:02	09:58:36	00:32:35	100
13-Dec	09:26:27	09:59:07	00:32:40	100
14-Dec	09:26:53	09:59:38	00:32:44	100
15-Dec	09:27:20	10:00:08	00:32:48	100
16-Dec	09:27:48	10:00:38	00:32:50	100
17-Dec	09:28:16	10:01:09	00:32:52	100
18-Dec	09:28:45	10:01:39	00:32:54	100
19-Dec	09:29:14	10:02:09	00:32:55	100
20-Dec	09:29:44	10:02:39	00:32:55	100
21-Dec	09:30:14	10:03:09	00:32:56	100
22-Dec	09:30:44	10:03:39	00:32:56	100
23-Dec	09:31:14	10:04:09	00:32:55	100
24-Dec	09:31:44	10:04:38	00:32:54	100

Date	Start Time	End Time	Duration	% Cover
25-Dec	09:32:14	10:05:07	00:32:53	100
26-Dec	09:32:45	10:05:36	00:32:51	100
27-Dec	09:33:16	10:06:05	00:32:49	100
28-Dec	09:33:47	10:06:33	00:32:46	100
29-Dec	09:34:18	10:06:59	00:32:42	100
30-Dec	09:34:49	10:07:26	00:32:37	100
31-Dec	09:35:21	10:07:52	00:32:31	100

Shadow Flicker Dates and Times for Dwelling 35

Dwelling 36

Date	Start Time	End Time	Duration	% Cover
01-Jan	10:37:05	11:21:37	00:44:32	100
02-Jan	10:37:44	11:21:55	00:44:12	100
03-Jan	10:38:23	11:22:12	00:43:49	100
04-Jan	10:39:03	11:22:27	00:43:23	100
05-Jan	10:39:45	11:22:40	00:42:55	100
06-Jan	10:40:28	11:22:50	00:42:22	100
07-Jan	10:41:13	11:22:59	00:41:46	100
08-Jan	10:41:59	11:23:04	00:41:06	100
09-Jan	10:42:47	11:23:07	00:40:21	100
10-Jan	10:43:37	11:23:07	00:39:30	100
11-Jan	10:44:29	11:23:04	00:38:35	100
12-Jan	10:45:24	11:22:56	00:37:32	100
13-Jan	10:46:22	11:22:45	00:36:23	100

Date	Start Time	End Time	Duration	% Cover
14-Jan	10:47:24	11:26:25	00:39:02	100
15-Jan	10:48:29	11:26:04	00:37:35	100
16-Jan	10:49:40	11:25:37	00:35:57	100
17-Jan	10:50:56	11:25:03	00:34:07	100
18-Jan	10:52:19	11:24:21	00:32:01	100
19-Jan	10:53:52	11:23:29	00:29:37	100
20-Jan	10:55:36	11:22:25	00:26:48	100
21-Jan	10:57:34	11:21:03	00:23:29	100
22-Jan	10:59:55	11:19:17	00:19:22	87.99
23-Jan	11:03:02	11:16:42	00:13:41	43.17
18-Nov	10:36:19	10:50:10	00:13:51	44.09
19-Nov	10:33:44	10:53:10	00:19:26	88.34
20-Nov	10:31:55	10:55:26	00:23:31	100
21-Nov	10:30:29	10:57:18	00:26:49	100
22-Nov	10:29:19	10:58:55	00:29:36	100
23-Nov	10:28:22	11:00:21	00:31:59	100
24-Nov	10:27:35	11:01:39	00:34:05	100
25-Nov	10:26:57	11:02:51	00:35:54	100
26-Nov	10:26:25	11:03:57	00:37:32	100
27-Nov	10:26:00	11:04:59	00:38:59	100
28-Nov	10:25:41	11:02:00	00:36:20	100
29-Nov	10:25:26	11:02:55	00:37:29	100

Date	Start Time	End Time	Duration	% Cover
30-Nov	10:25:16	11:03:47	00:38:31	100
01-Dec	10:25:09	11:04:36	00:39:27	100
02-Dec	10:25:06	11:05:23	00:40:18	100
03-Dec	10:25:06	11:06:09	00:41:03	100
04-Dec	10:25:09	11:06:52	00:41:43	100
05-Dec	10:25:15	11:07:35	00:42:19	100
06-Dec	10:25:24	11:08:16	00:42:52	100
07-Dec	10:25:34	11:08:55	00:43:21	100
08-Dec	10:25:47	11:09:34	00:43:47	100
09-Dec	10:26:02	11:10:12	00:44:10	100
10-Dec	10:26:19	11:10:48	00:44:30	100
11-Dec	10:26:37	11:11:25	00:44:48	100
12-Dec	10:26:57	11:11:59	00:45:03	100
13-Dec	10:27:18	11:12:35	00:45:17	100
14-Dec	10:27:40	11:13:09	00:45:28	100
15-Dec	10:28:04	11:13:42	00:45:38	100
16-Dec	10:28:29	11:14:15	00:45:46	100
17-Dec	10:28:55	11:14:48	00:45:53	100
18-Dec	10:29:22	11:15:20	00:45:58	100
19-Dec	10:29:50	11:15:51	00:46:01	100
20-Dec	10:30:19	11:16:22	00:46:04	100
21-Dec	10:30:48	11:16:53	00:46:05	100

Date	Start Time	End Time	Duration	% Cover
22-Dec	10:31:18	11:17:22	00:46:04	100
23-Dec	10:31:49	11:17:51	00:46:02	100
24-Dec	10:32:20	11:18:20	00:45:59	100
25-Dec	10:32:53	11:18:47	00:45:55	100
26-Dec	10:33:25	11:19:14	00:45:49	100
27-Dec	10:33:59	11:19:40	00:45:41	100
28-Dec	10:34:33	11:20:05	00:45:32	100
29-Dec	10:35:08	11:20:29	00:45:21	100
30-Dec	10:35:43	11:20:51	00:45:08	100
31-Dec	10:36:19	11:21:13	00:44:53	100

Shadow Flicker Dates and Times for Dwelling 36

Dwelling 45

Date	Start Time	End Time	Duration	% Cover
01-Jan	15:11:48	15:38:28	00:26:40	100
02-Jan	15:12:10	15:39:02	00:26:52	100
03-Jan	15:12:32	15:39:35	00:27:04	100
04-Jan	15:12:54	15:40:08	00:27:14	100
05-Jan	15:13:16	15:40:40	00:27:24	100
06-Jan	15:13:39	15:41:10	00:27:32	100
07-Jan	15:14:02	15:41:40	00:27:38	100
08-Jan	15:14:25	15:42:07	00:27:42	100
09-Jan	15:14:49	15:42:32	00:27:43	100
10-Jan	15:15:14	15:42:56	00:27:41	100

Date	Start Time	End Time	Duration	% Cover
11-Jan	15:15:41	15:43:17	00:27:36	100
12-Jan	15:16:08	15:43:35	00:27:27	100
13-Jan	15:16:38	15:47:47	00:31:09	100
14-Jan	15:17:09	15:47:59	00:30:50	100
15-Jan	15:17:42	15:48:07	00:30:25	100
16-Jan	15:18:18	15:48:12	00:29:54	100
17-Jan	15:18:57	15:48:12	00:29:16	100
18-Jan	15:19:38	15:48:07	00:28:30	100
19-Jan	15:20:23	15:47:58	00:27:35	100
20-Jan	15:21:12	15:47:42	00:26:30	100
21-Jan	15:22:07	15:47:19	00:25:12	100
22-Jan	15:23:10	15:46:48	00:23:38	100
23-Jan	15:24:21	15:46:05	00:21:45	100
24-Jan	15:25:44	15:45:09	00:19:25	100
25-Jan	15:27:26	15:43:53	00:16:28	100
26-Jan	15:29:39	15:42:04	00:12:25	59.06
27-Jan	15:33:29	15:38:35	00:05:06	9.64
14-Nov	15:03:13	15:12:17	00:09:04	30.76
15-Nov	15:00:48	15:15:05	00:14:18	79.05
16-Nov	14:59:15	15:17:01	00:17:46	100
17-Nov	14:58:09	15:18:33	00:20:25	100
18-Nov	14:57:18	15:19:50	00:22:32	100

Date	Start Time	End Time	Duration	% Cover
19-Nov	14:56:40	15:20:57	00:24:16	100
20-Nov	14:56:12	15:21:55	00:25:43	100
21-Nov	14:55:51	15:22:47	00:26:56	100
22-Nov	14:55:37	15:23:34	00:27:56	100
23-Nov	14:55:29	15:24:16	00:28:47	100
24-Nov	14:55:26	15:24:56	00:29:30	100
25-Nov	14:55:26	15:25:32	00:30:06	100
26-Nov	14:55:31	15:26:05	00:30:35	100
27-Nov	14:55:39	15:26:36	00:30:57	100
28-Nov	14:55:51	15:27:05	00:31:14	100
29-Nov	14:56:06	15:23:36	00:27:30	100
30-Nov	14:56:23	15:24:02	00:27:38	100
01-Dec	14:56:43	15:24:26	00:27:43	100
02-Dec	14:57:06	15:24:49	00:27:43	100
03-Dec	14:57:30	15:25:12	00:27:41	100
04-Dec	14:57:56	15:25:33	00:27:37	100
05-Dec	14:58:24	15:25:54	00:27:30	100
06-Dec	14:58:54	15:26:15	00:27:22	100
07-Dec	14:59:24	15:26:36	00:27:12	100
08-Dec	14:59:56	15:26:56	00:27:01	100
09-Dec	15:00:28	15:27:17	00:26:49	100
10-Dec	15:01:01	15:27:38	00:26:37	100

Date	Start Time	End Time	Duration	% Cover
11-Dec	15:01:34	15:27:59	00:26:25	100
12-Dec	15:02:08	15:28:21	00:26:13	100
13-Dec	15:02:42	15:28:43	00:26:01	100
14-Dec	15:03:16	15:29:06	00:25:50	100
15-Dec	15:03:50	15:29:30	00:25:40	100
16-Dec	15:04:23	15:29:55	00:25:32	100
17-Dec	15:04:56	15:30:20	00:25:24	100
18-Dec	15:05:28	15:30:47	00:25:18	100
19-Dec	15:06:00	15:31:14	00:25:14	100
20-Dec	15:06:31	15:31:43	00:25:11	100
21-Dec	15:07:02	15:32:12	00:25:10	100
22-Dec	15:07:31	15:32:42	00:25:11	100
23-Dec	15:07:59	15:33:14	00:25:14	100
24-Dec	15:08:28	15:33:46	00:25:18	100
25-Dec	15:08:55	15:34:19	00:25:24	100
26-Dec	15:09:21	15:34:52	00:25:32	100
27-Dec	15:09:46	15:35:26	00:25:40	100
28-Dec	15:10:10	15:36:01	00:25:50	100
29-Dec	15:10:34	15:36:35	00:26:01	100
30-Dec	15:10:57	15:37:10	00:26:13	100
31-Dec	15:11:20	15:37:45	00:26:25	100

Shadow Flicker Dates and Times for Dwelling 45

Dwelling 47

Date	Start Time	End Time	Duration	% Cover
01-Jan	15:32:26	15:51:58	00:19:32	100
02-Jan	15:32:23	15:52:59	00:20:36	100
03-Jan	15:32:19	15:53:59	00:21:41	100
04-Jan	15:32:15	15:54:59	00:22:44	100
05-Jan	15:32:12	15:55:58	00:23:46	100
06-Jan	15:32:08	15:56:55	00:24:47	100
07-Jan	15:32:05	15:57:51	00:25:46	100
08-Jan	15:32:03	15:58:45	00:26:42	100
09-Jan	15:32:02	15:59:38	00:27:36	100
10-Jan	15:32:01	16:00:28	00:28:27	100
11-Jan	15:32:01	16:01:16	00:29:15	100
12-Jan	15:32:02	16:02:02	00:30:00	100
13-Jan	15:32:04	16:02:34	00:30:30	100
14-Jan	15:32:08	15:59:30	00:27:22	100
15-Jan	15:32:13	16:00:08	00:27:55	100
16-Jan	15:32:19	16:00:43	00:28:24	100
17-Jan	15:32:27	16:05:12	00:32:44	100
18-Jan	15:32:37	16:05:40	00:33:03	100
19-Jan	15:32:49	16:06:05	00:33:16	100
20-Jan	15:33:03	16:06:27	00:33:23	100
21-Jan	15:33:20	16:06:44	00:33:24	100
22-Jan	15:33:39	16:06:57	00:33:19	100

Date	Start Time	End Time	Duration	% Cover
23-Jan	15:34:01	16:07:06	00:33:05	100
24-Jan	15:34:26	16:07:10	00:32:44	100
25-Jan	15:34:54	16:07:09	00:32:14	100
26-Jan	15:35:27	16:07:02	00:31:35	100
27-Jan	15:36:03	16:06:48	00:30:45	100
28-Jan	15:36:44	16:06:28	00:29:44	100
29-Jan	15:37:31	16:06:01	00:28:30	100
30-Jan	15:38:25	16:05:25	00:27:01	100
31-Jan	15:39:27	16:04:39	00:25:11	100
01-Feb	15:40:42	16:03:39	00:22:58	100
02-Feb	15:42:11	16:02:22	00:20:10	100
03-Feb	15:44:06	16:00:38	00:16:32	100
04-Feb	15:46:49	15:58:04	00:11:15	46.01
05-Nov	15:18:26	15:25:52	00:07:26	19.6
06-Nov	15:15:01	15:29:23	00:14:23	76.17
07-Nov	15:12:59	15:31:33	00:18:34	100
08-Nov	15:11:31	15:33:12	00:21:41	100
09-Nov	15:10:23	15:34:31	00:24:08	100
10-Nov	15:09:29	15:35:37	00:26:08	100
11-Nov	15:08:48	15:36:34	00:27:46	100
12-Nov	15:08:15	15:37:22	00:29:07	100
13-Nov	15:07:51	15:38:05	00:30:14	100

Date	Start Time	End Time	Duration	% Cover
14-Nov	15:07:34	15:38:43	00:31:09	100
15-Nov	15:07:21	15:39:15	00:31:54	100
16-Nov	15:07:15	15:39:44	00:32:29	100
17-Nov	15:07:14	15:40:08	00:32:55	100
18-Nov	15:07:18	15:40:30	00:33:12	100
19-Nov	15:07:26	15:40:48	00:33:22	100
20-Nov	15:07:39	15:41:04	00:33:25	100
21-Nov	15:07:55	15:41:17	00:33:22	100
22-Nov	15:08:16	15:41:28	00:33:12	100
23-Nov	15:08:40	15:41:37	00:32:57	100
24-Nov	15:09:07	15:41:34	00:32:27	100
25-Nov	15:09:37	15:37:52	00:28:15	100
26-Nov	15:10:11	15:37:55	00:27:45	100
27-Nov	15:10:47	15:37:57	00:27:10	100
28-Nov	15:11:26	15:41:42	00:30:16	100
29-Nov	15:12:08	15:41:54	00:29:46	100
30-Nov	15:12:51	15:41:52	00:29:00	100
01-Dec	15:13:38	15:41:49	00:28:12	100
02-Dec	15:14:26	15:41:45	00:27:20	100
03-Dec	15:15:16	15:41:41	00:26:25	100
04-Dec	15:16:08	15:41:36	00:25:28	100
05-Dec	15:17:01	15:41:30	00:24:29	100

Date	Start Time	End Time	Duration	% Cover
06-Dec	15:17:56	15:41:25	00:23:28	100
07-Dec	15:18:52	15:41:18	00:22:26	100
08-Dec	15:19:50	15:41:12	00:21:22	100
09-Dec	15:20:48	15:41:06	00:20:18	100
10-Dec	15:21:46	15:41:00	00:19:14	100
11-Dec	15:22:45	15:40:55	00:18:10	100
12-Dec	15:23:44	15:40:50	00:17:06	100
13-Dec	15:24:43	15:40:47	00:16:04	88.96
14-Dec	15:25:40	15:40:46	00:15:06	77.86
15-Dec	15:26:36	15:40:47	00:14:11	68.22
16-Dec	15:27:30	15:40:51	00:13:21	60.05
17-Dec	15:28:21	15:40:58	00:12:37	53.37
18-Dec	15:29:09	15:41:09	00:12:00	48.17
19-Dec	15:29:52	15:41:25	00:11:33	44.46
20-Dec	15:30:31	15:41:47	00:11:16	42.24
21-Dec	15:31:03	15:42:14	00:11:10	41.51
22-Dec	15:31:30	15:42:47	00:11:16	42.28
23-Dec	15:31:52	15:43:25	00:11:33	44.54
24-Dec	15:32:08	15:44:09	00:12:01	48.3
25-Dec	15:32:20	15:44:57	00:12:38	53.55
26-Dec	15:32:27	15:45:49	00:13:22	60.29
27-Dec	15:32:32	15:46:44	00:14:12	68.52

Date	Start Time	End Time	Duration	% Cover
28-Dec	15:32:34	15:47:41	00:15:07	78.23
29-Dec	15:32:34	15:48:40	00:16:06	89.43
30-Dec	15:32:33	15:49:41	00:17:08	100
31-Dec	15:32:30	15:50:42	00:18:12	100

Shadow Flicker Dates and Times for Dwelling 47

Dwelling 48

Date	Start Time	End Time	Duration	% Cover
19-Jan	16:09:50	16:14:41	00:04:51	6.85
20-Jan	16:06:13	16:18:55	00:12:42	48.29
21-Jan	16:04:16	16:21:28	00:17:12	90.91
22-Jan	16:02:50	16:23:29	00:20:39	100
23-Jan	16:01:41	16:25:12	00:23:31	100
24-Jan	16:00:44	16:26:42	00:25:58	100
25-Jan	15:59:55	16:28:00	00:28:05	100
26-Jan	15:59:14	16:29:10	00:29:56	100
27-Jan	15:58:38	16:30:12	00:31:34	100
28-Jan	15:58:08	16:31:07	00:32:59	100
29-Jan	15:57:42	16:31:55	00:34:12	100
30-Jan	15:57:21	16:32:37	00:35:16	100
31-Jan	15:57:04	16:33:13	00:36:09	100
01-Feb	15:56:51	16:33:43	00:36:52	100
02-Feb	15:56:42	16:34:08	00:37:26	100
03-Feb	15:56:37	16:34:27	00:37:49	100

Date	Start Time	End Time	Duration	% Cover
04-Feb	15:56:36	16:34:39	00:38:03	100
05-Feb	15:56:39	16:34:46	00:38:07	100
06-Feb	15:56:46	16:34:47	00:38:01	100
07-Feb	15:56:58	16:34:42	00:37:44	100
08-Feb	15:57:14	16:34:30	00:37:15	100
09-Feb	15:57:36	16:34:11	00:36:35	100
10-Feb	15:58:03	16:33:45	00:35:42	100
11-Feb	15:58:35	16:33:10	00:34:35	100
12-Feb	15:59:14	16:32:27	00:33:13	100
13-Feb	16:00:02	16:31:34	00:31:33	100
14-Feb	16:00:59	16:30:31	00:29:31	100
15-Feb	16:02:10	16:29:13	00:27:03	100
16-Feb	16:03:37	16:27:36	00:23:59	100
17-Feb	16:05:30	16:25:33	00:20:04	100
18-Feb	16:08:08	16:22:43	00:14:35	69.44
19-Feb	16:14:09	16:16:29	00:02:20	1.71
22-Oct	15:39:41	15:52:24	00:12:42	51.88
23-Oct	15:36:31	15:55:19	00:18:48	100
24-Oct	15:34:18	15:57:18	00:22:59	100
25-Oct	15:32:35	15:58:49	00:26:14	100
26-Oct	15:31:12	16:00:01	00:28:50	100
27-Oct	15:30:03	16:00:59	00:30:57	100

Date	Start Time	End Time	Duration	% Cover
28-Oct	15:29:06	16:01:48	00:32:42	100
29-Oct	15:28:20	16:02:29	00:34:09	100
30-Oct	15:27:42	16:03:02	00:35:21	100
31-Oct	15:27:12	16:03:29	00:36:17	100
01-Nov	15:26:47	16:03:50	00:37:02	100
02-Nov	15:26:30	16:04:05	00:37:35	100
03-Nov	15:26:19	16:04:15	00:37:56	100
04-Nov	15:26:14	16:04:21	00:38:07	100
05-Nov	15:26:15	16:04:22	00:38:07	100
06-Nov	15:26:22	16:04:20	00:37:57	100
07-Nov	15:26:35	16:04:13	00:37:38	100
08-Nov	15:26:52	16:04:02	00:37:09	100
09-Nov	15:27:16	16:03:47	00:36:31	100
10-Nov	15:27:45	16:03:28	00:35:43	100
11-Nov	15:28:20	16:03:05	00:34:46	100
12-Nov	15:29:00	16:02:38	00:33:38	100
13-Nov	15:29:47	16:02:06	00:32:19	100
14-Nov	15:30:40	16:01:29	00:30:50	100
15-Nov	15:31:40	16:00:47	00:29:07	100
16-Nov	15:32:48	15:59:58	00:27:10	100
17-Nov	15:34:06	15:59:02	00:24:56	100
18-Nov	15:35:34	15:57:55	00:22:20	100

Date	Start Time	End Time	Duration	% Cover
19-Nov	15:37:18	15:56:34	00:19:15	100
20-Nov	15:39:25	15:54:54	00:15:30	72.61
21-Nov	15:42:16	15:52:31	00:10:15	30.96

Shadow Flicker Dates and Times for Dwelling 48



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