



Vurdering av skyggecast - Hovatn Aust vindpark

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Dato: 15. juli 2014

Ref.: 02947-000825

Revisjonshistorikk

Utgave	Dato	Forfatter	Type og plassering av endring
01	15. juli 2014	Alastair Oram	Første gangs opprettelse
02	01. aug. 2014	Alastair Oram	Korrekt nummerering av tabeller og figurer
03	26. aug. 2014	Alastair Oram	Endring i retningslinjer - se [3] Ekstra tekst lagt til i kapittel 2.0

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1.0 INNLEDNING

En standard skygge/flimmeranalyse er foretatt i området rundt Hovatn Aust vindpark i Bygland kommune i Vest-Agder. Analysen er foretatt ved hjelp av skygge-/flimmermodul (Version 4.2.1.6) i RESoft Windfarm analysepakke.

Skyggekast forårsakes når skyggene av en roterende vindturbinrotor faller på en observatør. Når turbinrotorene går rundt, beveger også skyggene seg, og dette kan gi en flimmereffekt gjennom vinduer og dører der kontrasten mellom lys og skygge er mest merkbar.

Hvorvidt skyggekast er plagsomt avhenger av observatørens avstand til turbinen, boligens retning og plassering av vinduer og dører i forhold til vindparken, flimmerfrekvensen og effektens varighet, enten ved ett tilfelle eller totalt i løpet av et år.

Flimmerfrekvensen avhenger av rotasjonshastigheten og antallet blader. Det anbefales [1] at den kritiske frekvensen ikke skal overstige 2,5 Hz, hvilket tilsvarer en omdreiningshastighet på 50 omdr./min for en trebladet turbin. De foreslåtte turbinene i Hovatn Aust vindpark vil ha en maksimal omdreiningshastighet på 16 omdr./min, godt under terskelen for at flimmeret skal oppfattes som plagsomt.

Denne analysen vurderer det planlagte anlegget som består av 37 turbiner med maksimal høyde på rotorspiss på 150m som vist på tegning [2]. Det er ikke fullført noe valg av spesifikk turbin på dette tidspunkt. Derfor gjennomføres hver teknisk studie med de turbindimensjoner innenfor rammen for de aktuelle turbintypene som vil gi verst effekt. Når det gjelder skygge/flimmer er de kritiske parametrene den maksimale høyden til den roterende strukturen og den roterende strukturens maksimale diameter. For en maksimal høyde på 150m er tilsvarende realistiske diameter 112m, og navhøyden er 94m. Disse dimensjonerende rammeparametrene er benyttet i analysene som gjengis her.

Det er ingen andre kjente vindparker i umiddelbar nærhet til Hovatn Aust som kan påvirke den potensielle kumulative effekten av skyggekast.

2.0 METODOLOGI

De norske retningslinjene fra Norges vassdrags- og energidirektorat (NVE) for beregning av skyggekast [3] er brukt.

Flere forutsetninger er lagt til grunn som gir en mer konservativ tilnærming til retningslinjene. RES bruker for eksempel en skyggegrenseavstand på ca. 1800 m som er basert på turbinrotorens dimensjoner og betydelig større enn de 1500 m i retningslinjene. Solinnstrålingen er beregnet for hver dag i motsetning til å bruke en fast reduksjonsfaktor på 0,5. "Mottakervinduet" er bygd på en horisontal flate på 4 m x 4 m to meter over bakkenivå, noe som er en tilpasning av "drivhustilstanden" i retningslinjene. RES tar ikke med noen fordeling av vindretning for å opprette et "reelt" skyggekart. I stedet blir turbinenes driftstider alltid vurdert når skyggeretningen faller sammen med det som regnes som verst mulig.

For et gitt turbinoppsett er det beregnet antallet timer skygge fra hver turbin faller på boliger innenfor en radius på 1,804 km fra vindparken. Grensen på 1,804 km er den omtrentlige avstanden der et vindturbinblad med 56m radius og typiske tverrsnittsmål dekker 20 % av solområdet slik det er spesifisert i [3]. Følgende tallverdier er benyttet i beregningen:

- Bladspisskorde = 0,487m
- Bladrotkorde = 4,37m
- Gjennomsnittlig korde = 2,429m

- Motstående vinkel (diameter) av solskiven = 0,52 grader.

Ved å benytte disse parametrene i analysen som er definert i [3] får man en skygge/flimmergrenseavstand på 1,704km [4]. For å gi en viss planleggingsfleksibilitet for turbinposisjoneringen er dette tallet avrundet oppover til 1,804 km for å sikre at vi er konservative i vurderingen av skygge/flimmer.

Det er kun vurdert tilfeller der solen har en større elevasjon enn 3° [3]

Analysen beskriver et "worst case" scenario på den måten at himmelen forutsettes å være skyfri 365 dager i året, slik at sol og skygger alltid er synlige. Det er heller ikke tatt hensyn til at skyggene skjermes av faste gjenstander som andre bygninger og trær, men det er tatt hensyn til terrengets skjermende effekt.

3.0 NÆRMESTE NABOER

74 eiendommer i nærheten av Hovatn Aust vindpark er analysert med henblikk på skygge/flimmereffekten. Avstanden fra hvert hus til nærmeste turbin er gjengitt i tabell 3.1 og vist på tegning [5].

Alle eiendommer er ansett som bebodd¹ selv om det er mulig at enkelte ikke er til boligformål eller er ubebodd. Skyggekast er vurdert på alle eiendommene.

Så av de 74 eiendommene er 44 innenfor en avstand på 1,804 km og "i bruk".

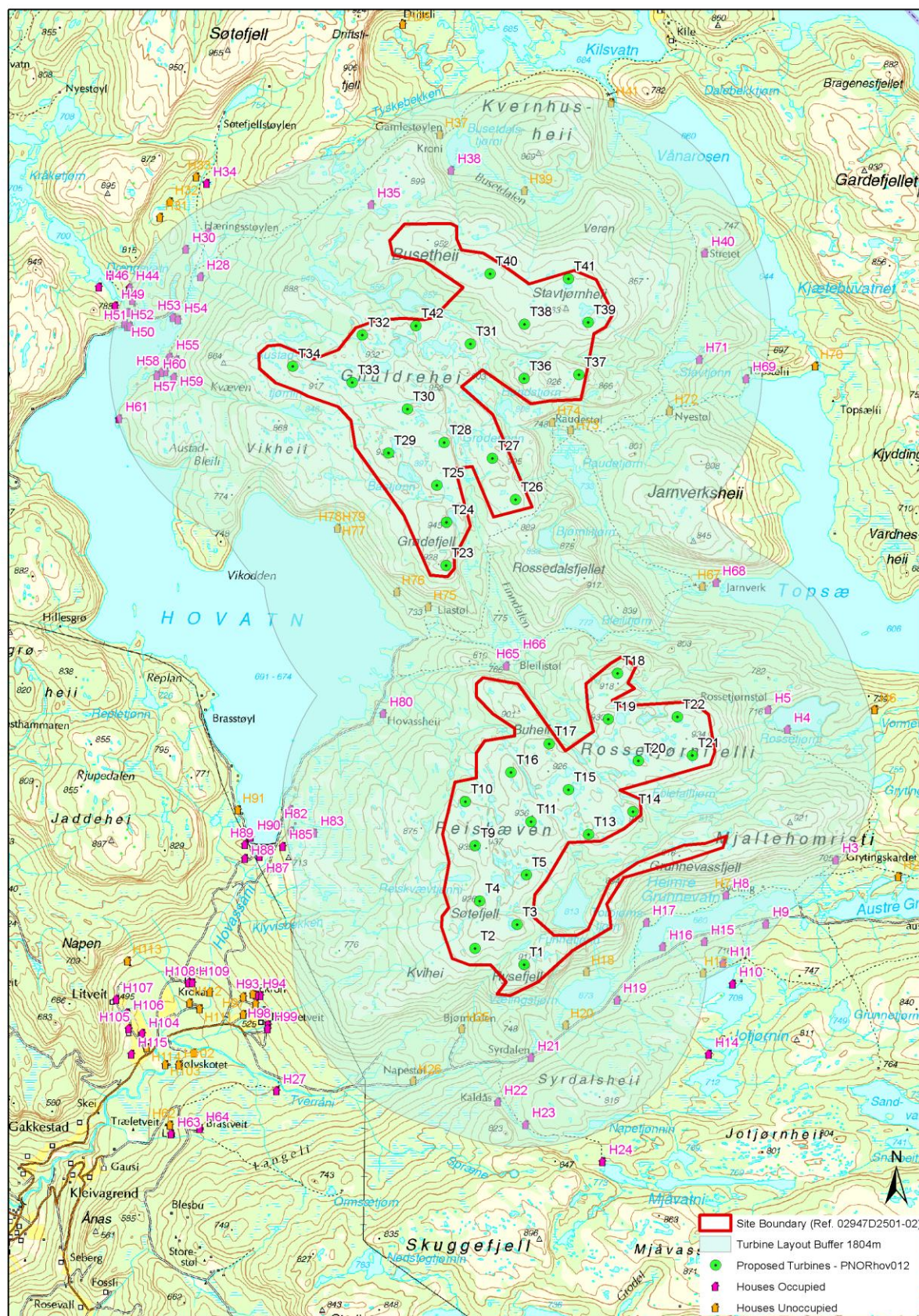
Figur 3.1 viser turbin- og eiendomsposisjoner i forhold til avstanden på 1,804km fra hver vindturbin.

Det er antatt som "worst case", i mangel av detaljert informasjon som er spesifikk for hver eiendom, at hver eiendom har et 360° vindu som strekker seg langs hele omkretsen i en høyde på 2 m over bakkenivå.

¹ Flere av eiendommene er hytter eller småhus som benyttes til jakt- eller ferieformål så de er vanligvis ikke bebodd. Disse eiendommene er likevel behandlet i denne vurderingen.

Figur 3.1: Plassering av bygninger i forhold til buffersonen på 1,804 km rundt turbinene på Hovatt

Aust



4.0 RESULTATER

4.1 Generelt

Dette kapitlet presenterer teoretisk maksimal skygge/flimmervarighet uten hensyntagen til skjerming eller reduksjon forårsaket av trær, bygninger eller meteorologiske forhold. Deretter fortsetter kapittel 5 med å se på mulig reduksjon av skyggekast som følge av gjeldende meteorologiske forhold.

4.2 Alle boliger

De detaljerte resultatene for anlegget med 37 turbiner med 112m diameter på rotor [2] i 94m navhøyde er gjengitt her. Resultatene er generert ved å kjøre programvaren KNORhov_MODEL003.WFK [6].

Tabell 4.1 angir absolutt maksimalt antall timer med skyggekast per år for hver bygning [4]. På bakgrunn av dette er det åpenbart at 34 eiendommer har en risiko for skyggekast med predikert teoretisk maksimalt antall skyggetimer på 44,2 timer per år for H71. Disse resultatene viser at den maksimale skyggekasttiden på 3 eiendommer (H35, H66 og H71) er over den maksimale retningslinjen med 30 timer årlig spesifisert i [3]. Figur 4.1 viser denne informasjonen grafisk.

Tabell 4.1 angir også den maksimale daglige varigheten av teoretisk skyggekast ved hver bolig. Det fremkommer at H35 vil kunne ha maksimum 0,69 timer med teoretisk skyggekast på en dag. 6 boliger vil kunne få skyggekast over 0,5 timer pr dag. (H5, H35, H65, H66, H68, H71) Dette presenteres grafisk i Figur 4.2

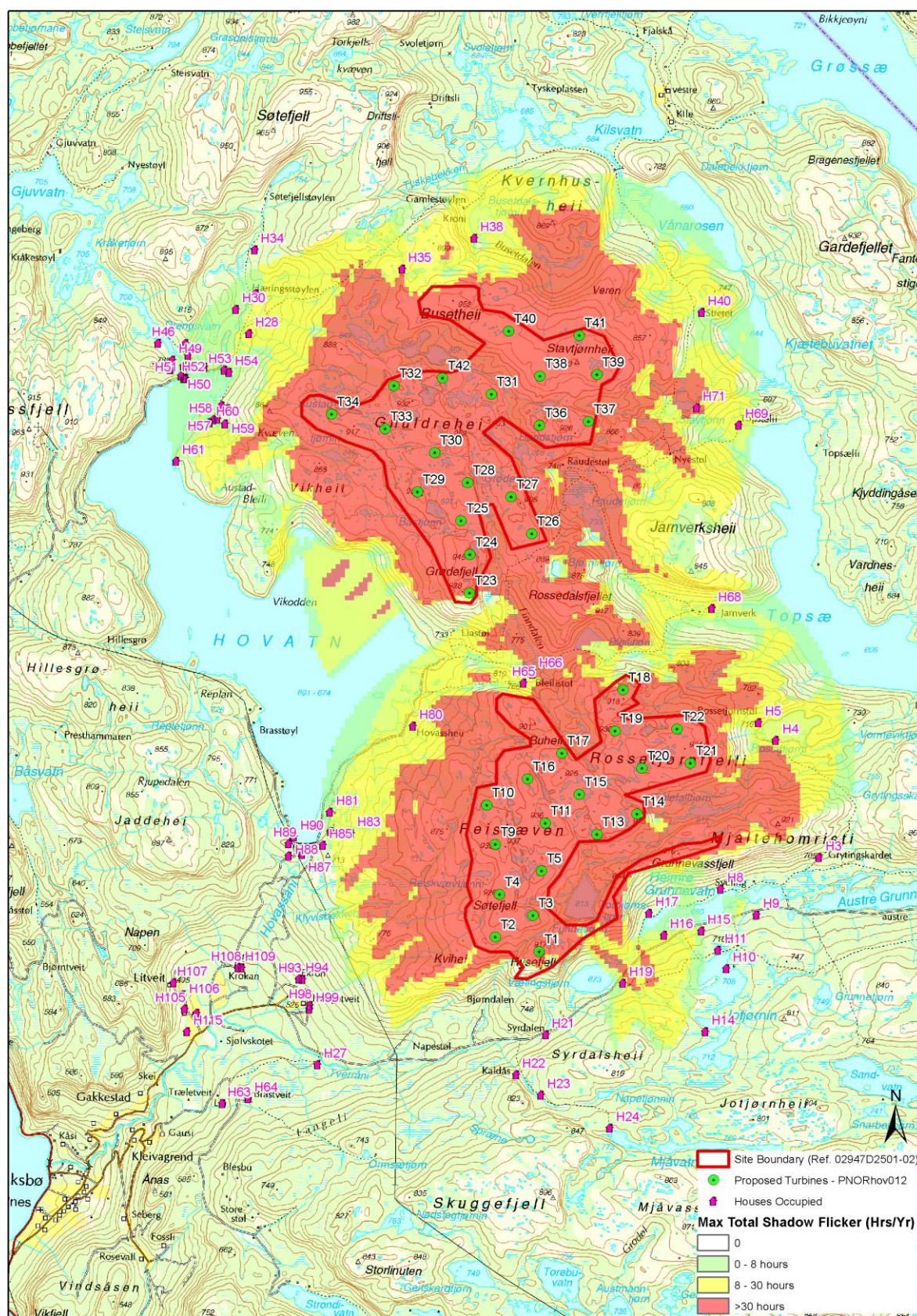
Det skal også understrekes at disse maksimumstallene tar utgangspunkt i skyfri himmel hver dag og ser bort fra skyggevirksomhet fra trær og andre bygninger/hindringer.

Annex A inneholder en liste over alle skyggekastepisoder som kan inntreffe, som samtidig viser når på dagen og når på året skyggekast kan inntreffe.

Tabell 4.1 viser også maksimal daglig varighet av skygge/flimmer for hver eiendom [4]. Dette viser at maksimalt daglig skyggekast i det verste tilfellet, H35, kan ha en varighet på 0,69 timer. Dette er mer enn den halve timen (30 minutter) retningslinjen angir i [3]. Figur 4.2 viser disse resultatene grafisk.

Tabell 4.2 viser antall timer med skygge/flimmer forårsaket av hver turbin på hver eiendom [6]. Man ser at 23 av de 37 turbinene bidrar til skyggekast. Denne informasjonen er vist grafisk i figur 4.3.

Figur 4.1: Skyggekart som viser total teoretisk årlig skyggekastvarighet for hver eiendom som følge av Hovatn Aust vindpark



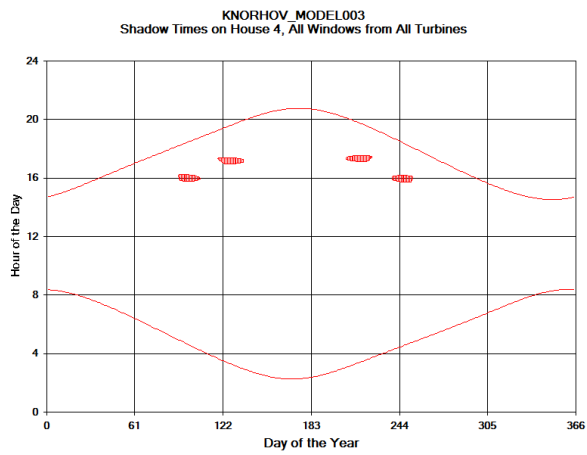
Figur 4.2: Teoretisk maksimal daglig varighet av skyggekast for hver eiendom.



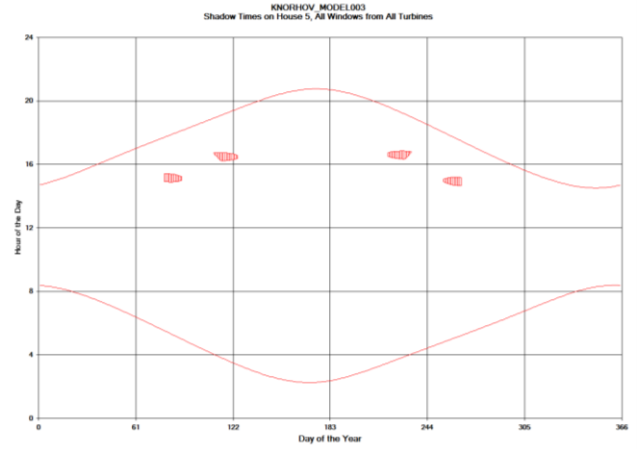
Figur 4.3: Teoretisk maksimalt årlig skyggekast for hver eiendom og varighet forårsaket av hver turbin



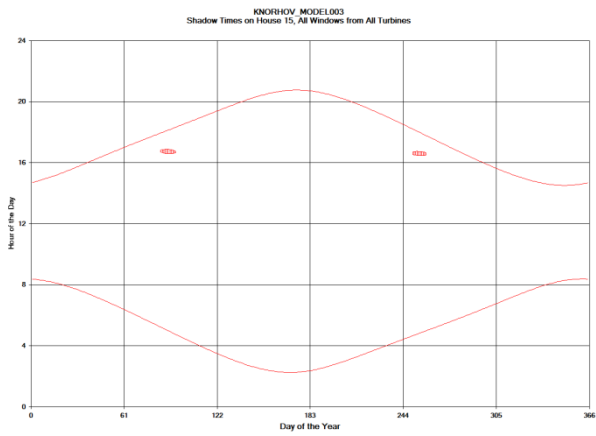
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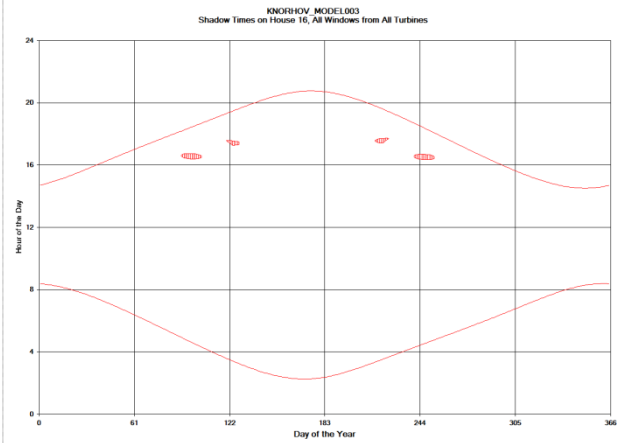
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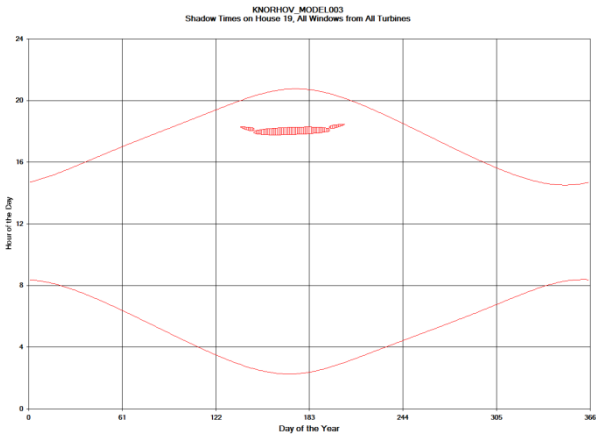
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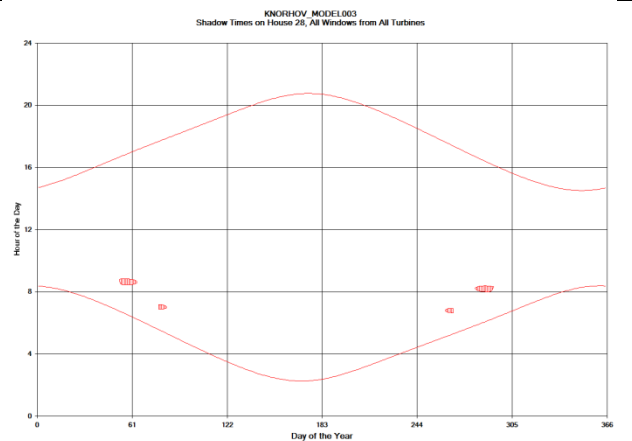
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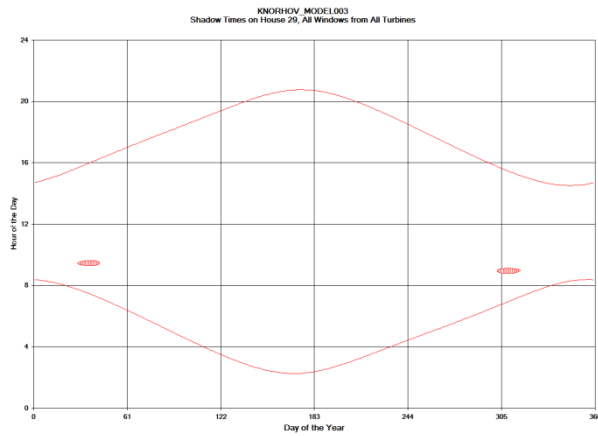
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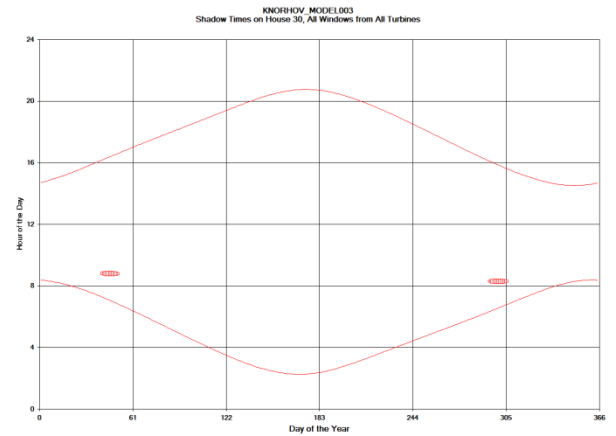
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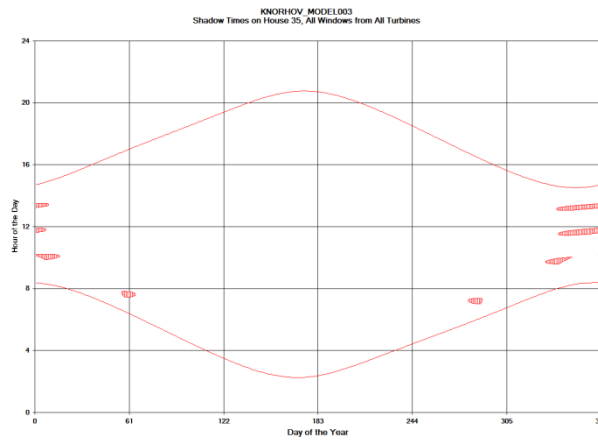
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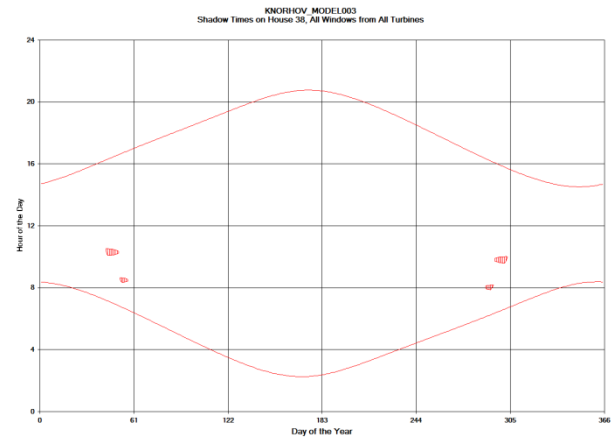
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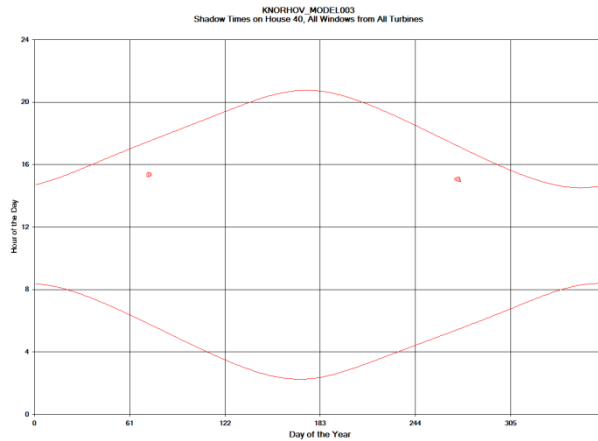
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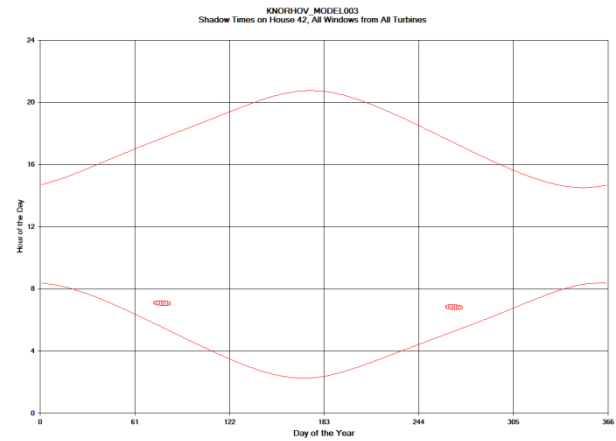
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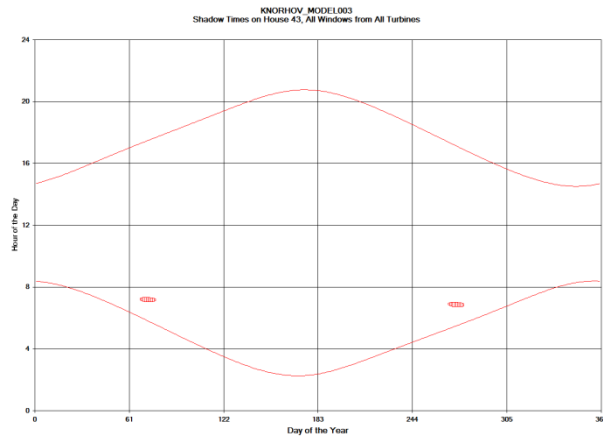
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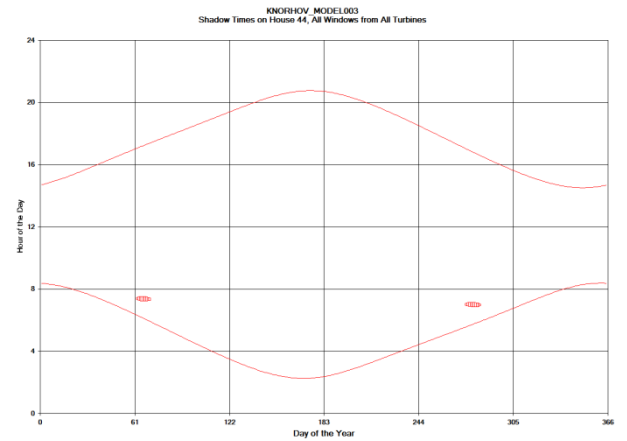
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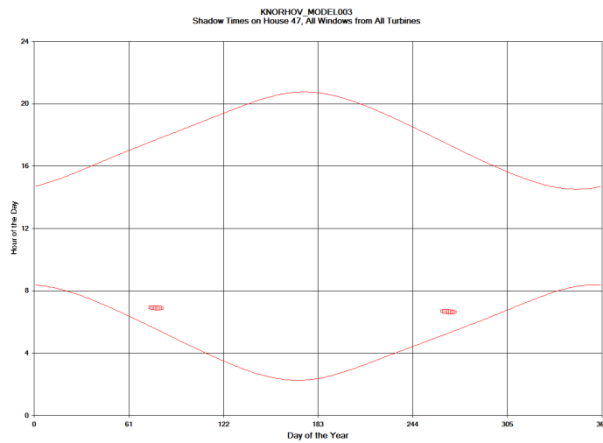
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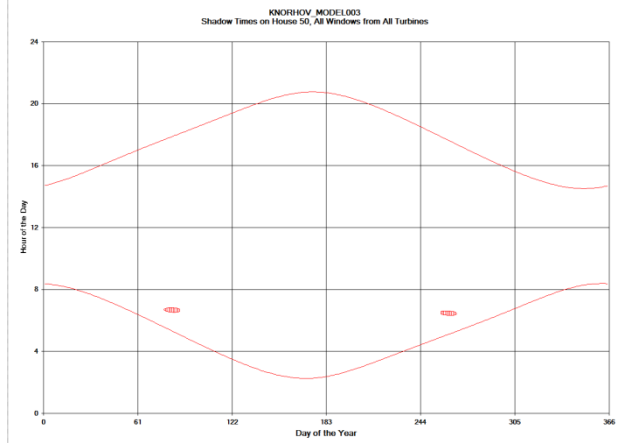
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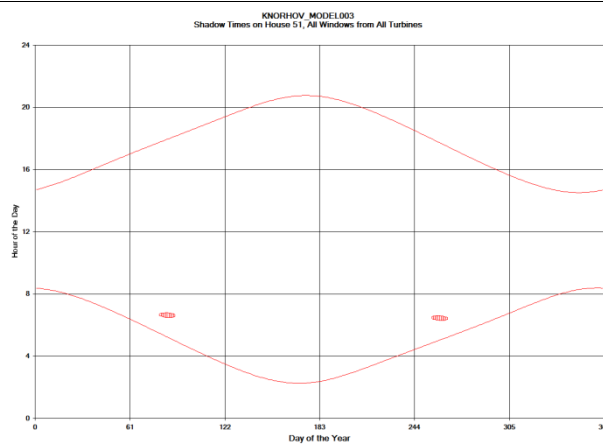
House 47



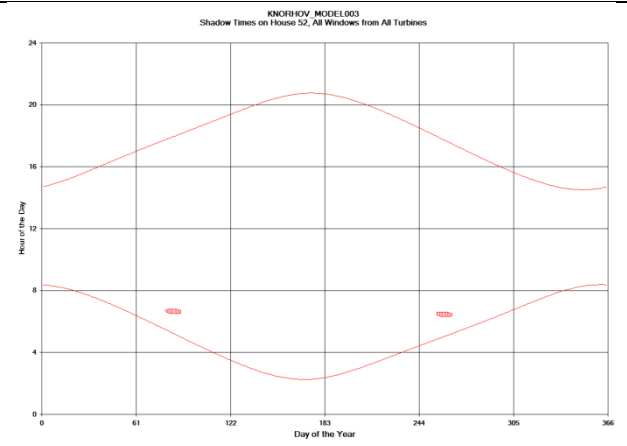
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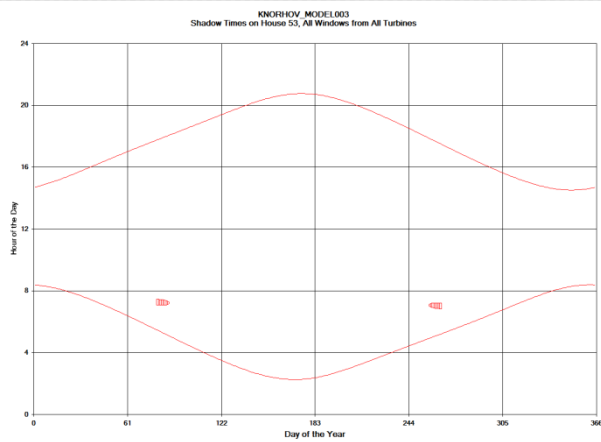
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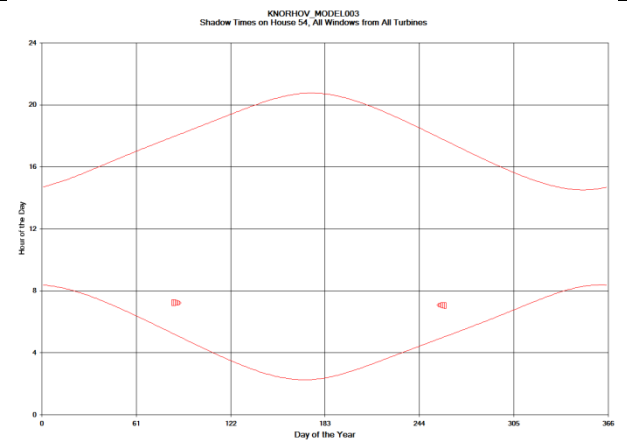
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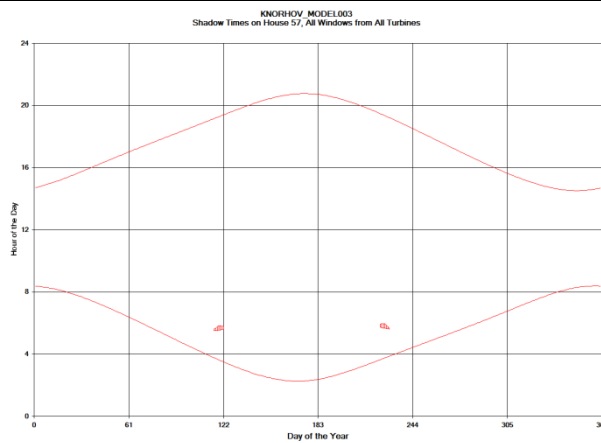
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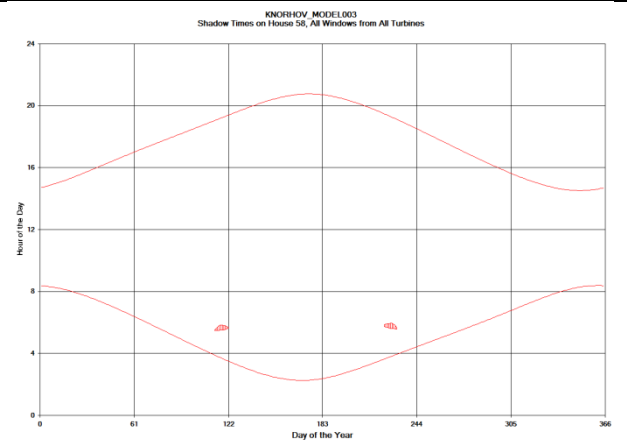
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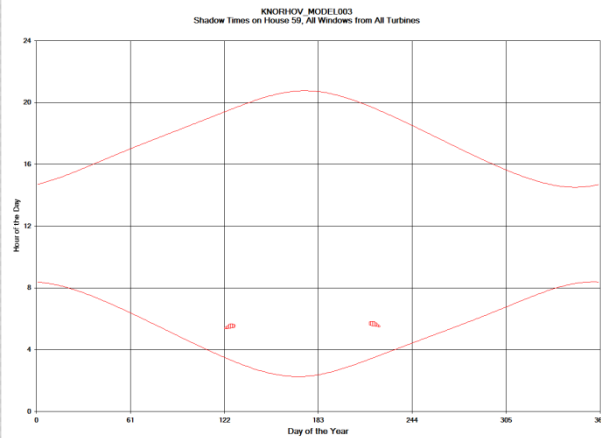
House 57



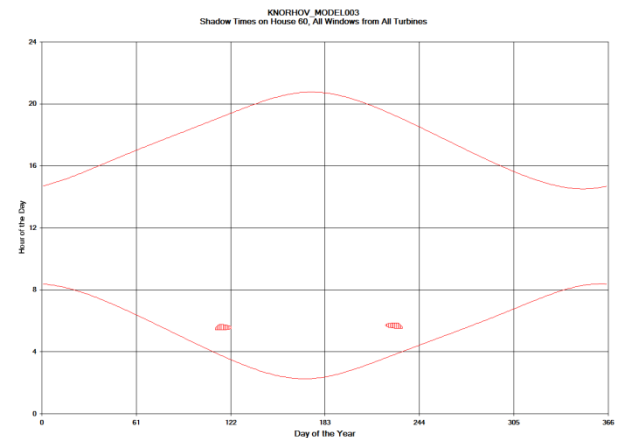
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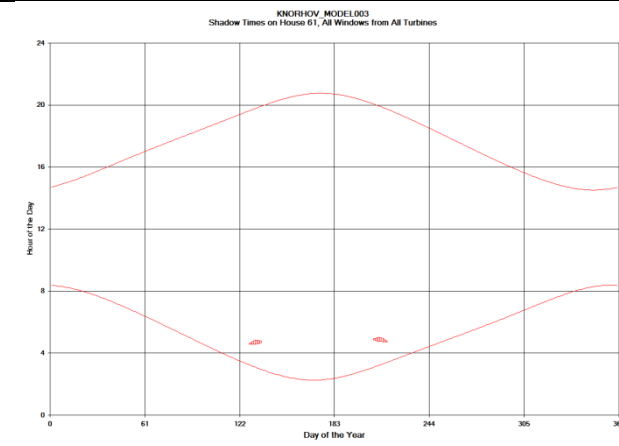
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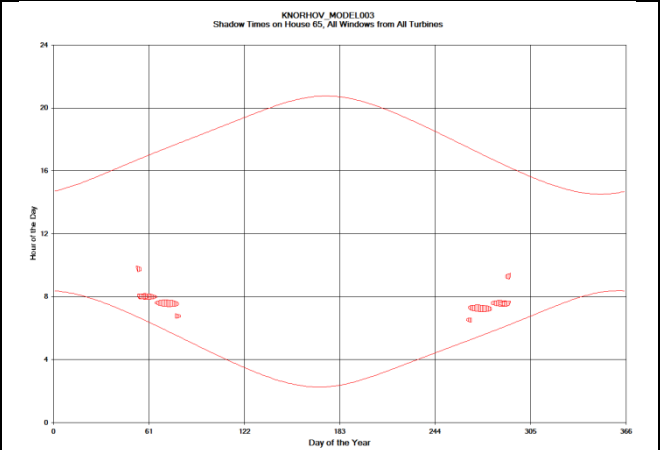
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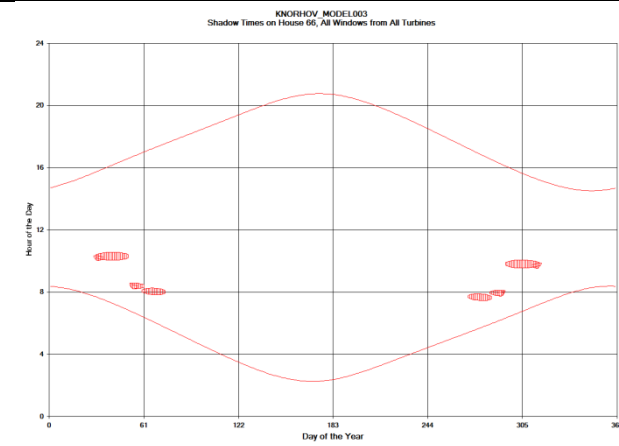
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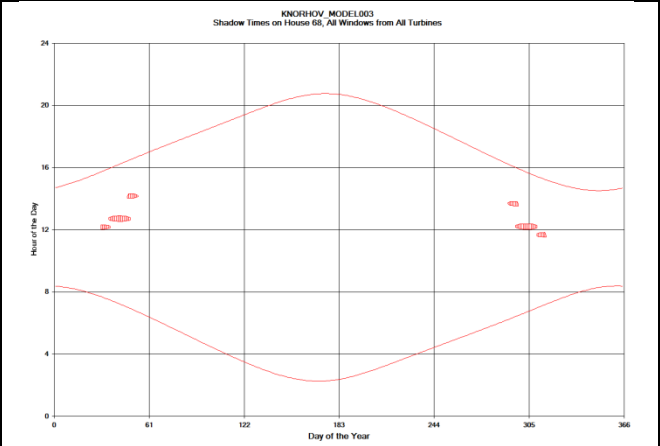
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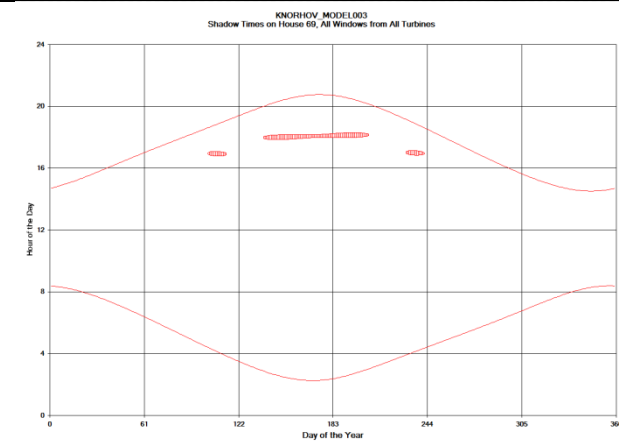
House 66



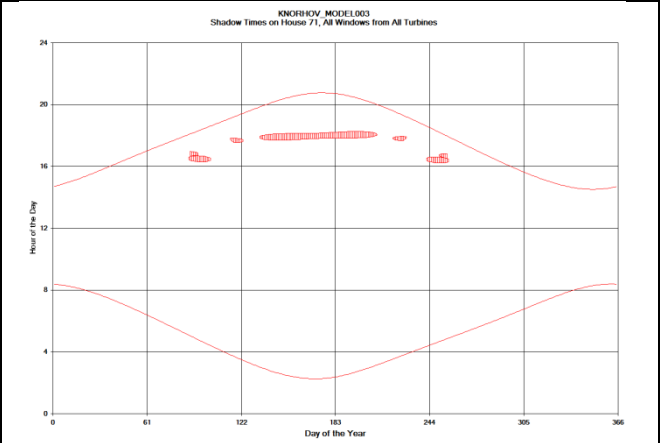
House 68

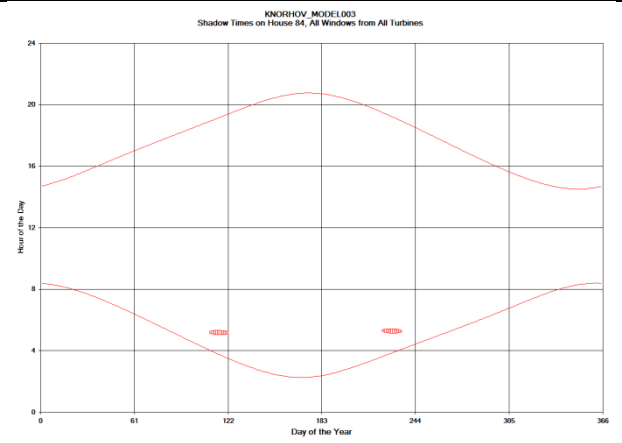


House 69



House 71





5.0 METEOROLOGISKE REDUKSJONSFAKTORER

5.1 Solstråling

Ulike meteorologiske effekter bidrar til å redusere den teoretiske forekomsten av skygge/flimmer. Styrken av solstrålingen er en slik parameter som direkte påvirker oppfatningen av skygge/flimmer. Svenske retningslinjer angir at skyggekastning bare er merkbart når solens effekt er større enn 120 W/m^2 . I de norske retningslinjene mangler det spesifisering av "dagslys", og den definisjonen fra de svenske retningslinjene legges derfor til grunn. Solens styrke avhenger av tid på døgnet, breddegrad og årstid.

Figur 5.1 viser den teoretiske variasjonen av daglig soleffekt gjennom et helt år på en posisjon i området på Hovatn Aust ($58,974722^\circ \text{N}$, $7,829167^\circ \text{Ø}$, WGS84 Datum). Dette er man kommet fram til [4] ved å bruke SOLPOS-kalkulatoren [6].

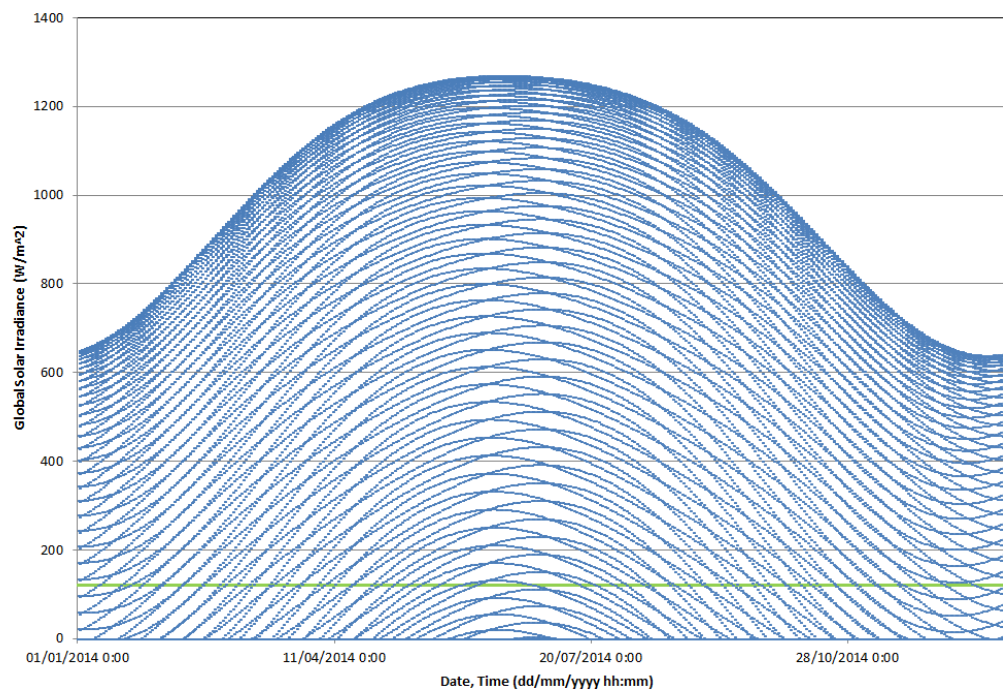
Figur 5.2 viser variasjonen i soleffekten i løpet av den dagen soleffekten er på et maksimum, 20. juni 2014. Før 03:30 og etter 19:30 er soleffekten lavere enn 120 W/m^2 , og følgelig for svak til å forårsake skyggeforstyrrelse.

Figur 5.2 viser også variasjonen i soleffekten i løpet av den dagen soleffekten er på et minimum, 21. desember 2014. På denne dagen, før 09:50 og etter 13:10, er soleffekten lavere enn 120 W/m^2 , og følgelig for svak til å forårsake skyggeforstyrrelse.

Med tanke på sammenfallet av hver teoretisk skygge-/flimmerhendelse og rådende solintensitet, finner [4] man at noen av skyggeflimmerhendelsene kan elimineres på grunn av det faktum at den faktiske maksimale soleffekten vil være mindre enn 120 W/m^2 på tidspunktet for skygge-/flimmerhendelsen.

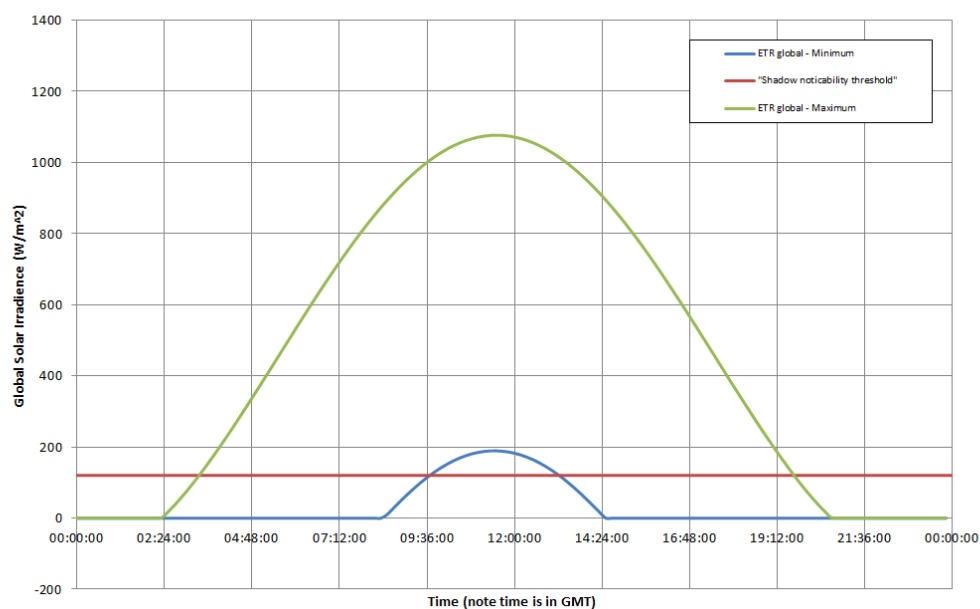
Disse resultatene anses imidlertid som konservative, da kun tilfeller der maksimal solintensitet under hendelsen er lavere enn 120 W/m^2 er vurdert for eliminering. Derfor er skygge-/flimmerhendelser der soleffekten er høyere enn 120 W/m^2 kun i en del av hendelsen beholdt i sin helhet.

Figur 5.1: Variasjon i teoretisk solinnstråling på Hovatn Aust i år 2014 [6].



Figur 5.2: Variasjon i teoretisk solinnstråling på Hovatn Aust på dagen for maksimal solinnstråling (20. juni) og minimal solinnstråling (21. desember) i 2014 [6].

Maximum and Minimum Solar Radiation
(20th June 2014 and 21st December 2014)



5.2 Effekt av skydekke

I vintermånedene, når dagene er korte og været kan forventes å være mer tilskyet enn om sommeren, vil skygge/flimmereffekten trolig faktisk være betydelig mindre enn teoretisk maksimum. Det er innhentet skydekke data fra FNs klimapanel [7]. Ut fra disse kartene er det laget et estimat av gjennomsnittlig månedlig skydekke, og dette er vist i tabell 5.1. Ved å kombinere statistikk for gjennomsnittlig skydekke med månedlig forekomst av hver skygge-/flimmerhendelse kan man få ytterligere reduksjonsfaktorer [4]. Disse resultatene tyder på at man vil oppleve betydelige reduksjoner i faktisk skygge/flimmer når det er overskyet.

5.3 Effekt av vindretning

Orienteringen av turbinenes rotorblader dikteres av vindregimet på stedet. Dette påvirker igjen rotorbladenes evne til å skape skyggehendelser. Når det gjelder spesifikke utsiktssteder, vil ikke turbinen (som følge av variasjonen i vindretning) alltid vende mot solen med hensyn til siktelinjen fra den som ser, til solen. Dermed er det sannsynlig at omfanget og graden av skyggekastingen kan reduseres. RES legger til grunn den konservative oppfatning at turbinen alltid står med rotoren vendt mot solen, slik at maksimalt omfang av skygger og flimring oppnås.

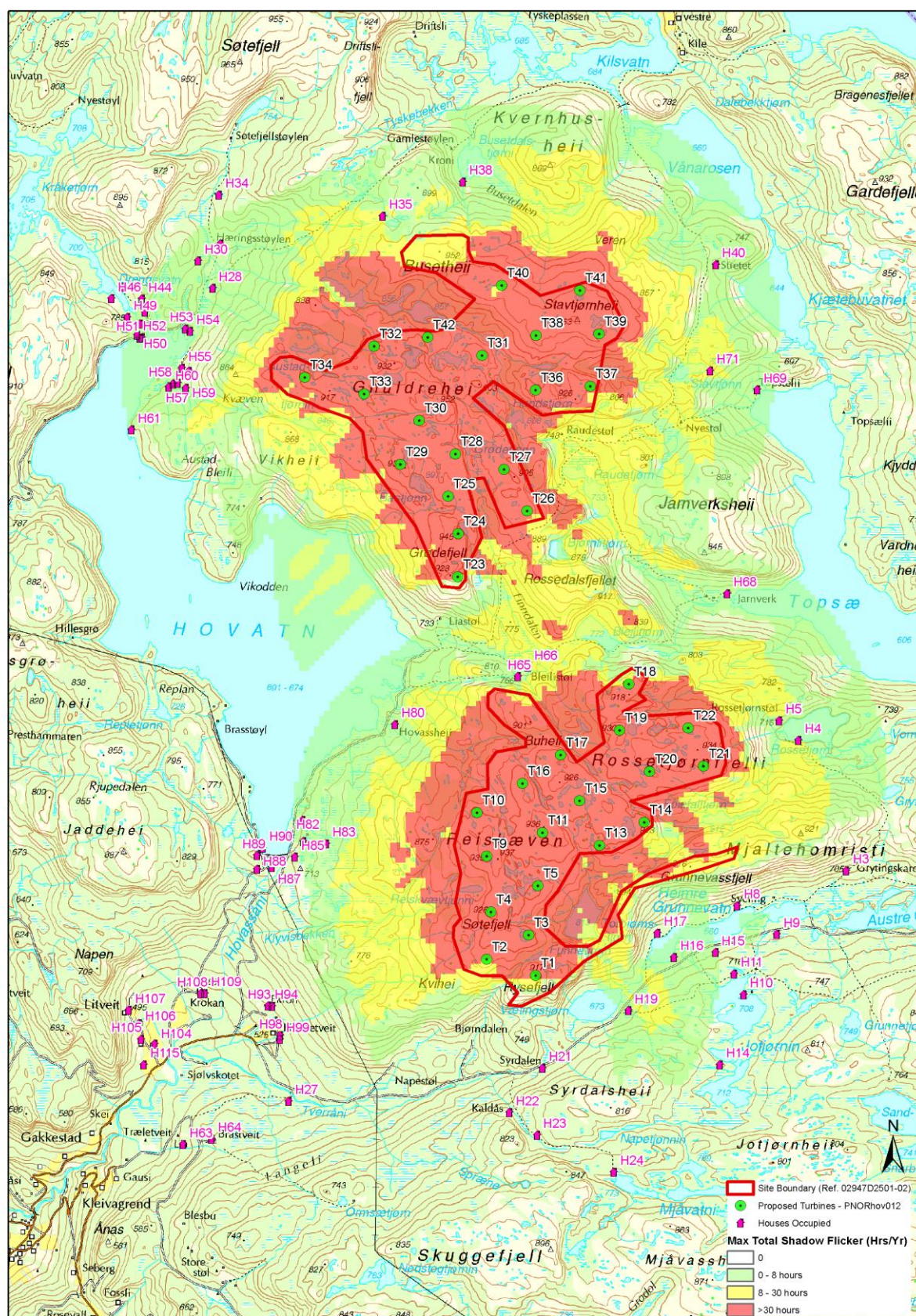
5.4 Kombinasjon av reduksjonsfaktorer

Hvis man tar hensyn til reduksjonen som følge av utilstrekkelig solinnstråling og effekten av skydekke, får man betydelige reduksjoner i predikert skyggekast.

Dette gir totalt antall årlige timer med skygge/flimmer (fra tabell 4.1) som er gjengitt i tabell 5.2. Figur 5.3 viser denne informasjonen grafisk.

Dette viser at noen eiendommer vil kunne oppleve mer enn 8 timer [3] med faktisk skyggekast årlig.

Figur 5.3: Skyggekart som viser total resulterende årlig skyggekastvarighet (med reduksjonsfaktorer) for hver eiendom som følge av Hovatn Aust vindpark



6.0 EFFEKT AV VEGETASJON OG HINDRINGER

Analysen så langt har tatt utgangspunkt i at turbinene og boligene ligger i bart terreng uten trær eller annen vegetasjon og representerer i så måte et absolutt "worst case" skygge/flimnerscenario. Dette er en realistisk antakelse, da det ikke er noen betydelig mengde skog på eller nær stedet. Noen eiendommer er imidlertid nær eller inne blant trær, slik at synligheten av noen av turbinene kan være helt eller delvis blokkert når man ser fra boligene. Dersom en turbin ikke er synlig fra et bestemt sted, innebærer det at skygger fra turbinen heller ikke vil være synlige fra det stedet, slik at den samlede skyggekasteffekten blir redusert. Reduksjonsnivået kan ikke kvantifiseres på det nåværende tidspunkt. Det er heller ikke vurdert hvorvidt bygningene har vinduer eller dører som vender mot vindparken, noe som er en forutsetning for at man skal oppleve skyggekasteffekten.

7.0 STYRINGSSYSTEM FOR VINDPARK

For å oppnå ytterligere reduksjon av skyggekasteffekten er det mulig å utstyre vindparken med et skygge/flimmeduksjonssystem. Slike systemer kan programmeres med en tidstabell med teoretiske, kritiske skygge-/flimmerhendelser og utstyres med en sensor for å måle den faktiske soleffektintensiteten. Når en kritisk skygge-/flimmerhendelse skal inntreffe, vil systemet måle solintensiteten, og hvis intensiteten er større enn det kritiske effektnivået (120W/m^2), vil den/de aktuelle turbinen(e) stanses automatisk mens skygge-/flimmerhendelsen varer. Det er avgjørende at det tas med en solintensitetssensor for å sikre at turbiner ikke stanses på dager med skydekke eller tåke.

Siden noen eiendommer forventes å oppleve mer enn 8 timers skyggekast [3] når man tar med sol- og skydekkereduksjoner [4], kan det være nødvendig med en turbinavstengningsstrategi. Før man definerer en avstengningsstrategi, vil det bli gjennomført en detaljert vurdering av de potensielt berørte bygningene. Denne vil ta for seg høyde over bakken, plassering av og størrelsen på vinduer med hensyn til vindturbinene. Da vil det være mulig å vurdere mulig skjerming av vegetasjon og/eller andre bygninger.

Det er identifisert en teoretisk avstengningsstrategi for det verste tilfellet der 23 av 37 turbiner trenger en avstengningsstrategi² [4]. Dette ville føre til et omtrentlig energitap på ca. 0,13 % fra vindparken.

8.0 REFLEKSJON

Reflektert lys er en beslektet visuell effekt med skyggekast. Dersom lys reflekteres fra et roterende turbinblad til en observatør, vil man teoretisk oppleve en stroboskopeffekt. I praksis er det en rekke faktorer som begrenser fenomenets alvorsgrad, og det er ingen kjente rapporter om reflektert lys som et signifikant problem ved andre vindparker.

For det første har vindturbiner en halvmatt overflate, hvilket innebærer at de ikke reflekterer lys like kraftig som glasselementer eller polerte karosserier.

For det andre vil lyset generelt bli reflektert på en spredt måte på grunn av de konvekse overflatene man finner på en turbin.

For det tredje gir den variable vindstrømmen i en vindpark en svakt avvikende orientering av rotorretningene, og derfor er det lite sannsynlig at en observatør vil oppleve samtidige reflekser fra et antall turbiner.

For det fjerde kreves det, som for skyggekast, bestemte værforhold og solposisjoner for at en observatør skal oppleve fenomenet.

² Turbiner som ikke trenger avstengning: T5, T11, T13, T14, T23, T24, T25, T26, T27, T28, T29, T30, T31, T33

Konklusjonen er derfor at en eventuell plage fra reflektert lys vil være ubetydelig.

9.0 KONKLUSJON

Denne analysen av skygge/flimmer har vist at når man ser på Hovatn Aust-prosjektet som sådan, så overstiger den mest kritiske skygge/flimmereffekten retningslinjegrensen på 30 timer/år [3] for 3 av bygningene i nærheten av den foreslåtte vindparken.

Tar man den effektive skydekkestatistikken i betraktning, gir den betydelige reduksjoner i toppverdien. Dette reduserer imidlertid ikke skyggekastverdien for alle eiendommer til mindre enn de anbefalte 8 timer årlig [3] for alle eiendommer.

Derfor kan det være nødvendig med en turbinavstengningsstrategi. Før man definerer en avstengningsstrategi, vil det bli gjennomført en detaljert vurdering av de potensielt berørte bygningene. Denne vil ta for seg høyde over bakken, plassering av og størrelsen på vinduer med hensyn til vindturbinene. Da vil det være mulig å vurdere mulig skjerming av vegetasjon og/eller andre bygninger.

Det har vist seg at de anbefalte 8 timer/år [3] for alle eiendommer i nærheten av prosjektet ikke vil bli overskredet dersom man implementerer en avstengningsstrategi for alle turbiner.

10.0 REFERANSER

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- [7] "Intergovernmental Panel on Climate Change data service" www.ipcc-data.org
- [8] "Planering och Provning av Vindkraftverk på land och i kustnära vattenområden", Boverket, August 2008, <http://ecm1/livelink/livelink.exe/open/9666184>

TABELLER

Tabell 3.1: Beboede bygninger som ligger nærmest vindparken (DNORbuh003)

ID	Y-koordinat	X-koordinat	Avstand til nærmeste turbin (m)	Nærmeste turbin
3	435885	6535447	1753	T21
4	435410	6536737	975	T21
5	435220	6536931	876	T21
8	434806	6535100	1237	T14
9	435199	6534816	1720	T14
10	434869	6534221	1967	T14
11	434776	6534426	1743	T14
14	434635	6533527	2028	T1
15	434591	6534638	1468	T14
16	434181	6534589	1332	T13
17	434019	6534830	1041	T13
19	433730	6534062	985	T1
21	432882	6533493	920	T1
22	432556	6533054	1379	T1
23	432828	6532831	1579	T1
24	433587	6532465	2095	T1
27	430374	6533165	2406	T2
28	429621	6541211	1267	T34
29	429699	6541651	1563	T34
30	429479	6541481	1560	T34
34	429683	6542133	1995	T34
35	431304	6541924	1279	T42
38	432095	6542263	1094	T40
40	434595	6541444	1343	T39
42	429130	6540846	1492	T34
43	428953	6540976	1704	T34
44	428923	6541103	1783	T34
45	428731	6541218	2006	T34
46	428622	6541108	2060	T34
47	428903	6540858	1710	T34
48	428757	6540816	1838	T34
49	428779	6540922	1848	T34
50	428877	6540747	1704	T34
51	428904	6540717	1670	T34
52	428924	6540720	1652	T34
53	429351	6540809	1272	T34
54	429400	6540784	1217	T34
55	429319	6540418	1212	T34
56	429386	6540388	1144	T34
57	429275	6540272	1254	T34

ID	Y-koordinat	X-koordinat	Avstand til nærmeste turbin (m)	Nærmeste turbin
58	429232	6540263	1298	T34
59	429358	6540220	1175	T34
60	429190	6540232	1341	T34
61	428820	6539808	1785	T34
63	429331	6532738	3512	T2
64	429613	6532792	3245	T2
65	432638	6537367	882	T17
66	432739	6537462	928	T17
68	434707	6538188	1325	T18
69	435004	6540204	1654	T37
71	434541	6540394	1160	T39
80	431424	6536893	1190	T10
81	430509	6535946	1725	T10
82	430385	6535789	1861	T10
83	430742	6535714	1521	T10
84	430517	6535734	1739	T10
85	430434	6535581	1851	T10
86	430265	6535540	2025	T10
87	430204	6535480	2099	T10
88	430059	6535461	2244	T10
89	430059	6535598	2214	T10
90	430117	6535672	2143	T10
93	430211	6534106	2166	T2
94	430172	6534109	2204	T2
98	430288	6533815	2175	T2
99	430286	6533779	2189	T2
100	429257	6533651	3205	T2
104	429046	6533732	3387	T2
105	428913	6533778	3505	T2
106	428893	6533933	3493	T2
107	428792	6534067	3571	T2
108	429504	6534230	2844	T2
109	429542	6534231	2806	T2
115	428942	6533527	3542	T2

Tabell 4.1: Teoretisk daglig varighet (timer) og totalt antall timer skyggeasting (per år) av skyggeasting for hver bygning

Hus	Y-koordinat	X-koordinat	Dager/år	Maks. ant. timer/dag	Gj.sn. ant. timer/dag	Totalt ant. timer/år
3	435885	6535447	0	0,00	0,00	0,00
4	435410	6536737	69	0,47	0,34	23,60
5	435220	6536931	56	0,51	0,39	21,70
8	434806	6535100	0	0,00	0,00	0,00
9	435199	6534816	0	0,00	0,00	0,00
10	434869	6534221	0	0,00	0,00	0,00
11	434776	6534426	0	0,00	0,00	0,00
14	434635	6533527	0	0,00	0,00	0,00
15	434591	6534638	21	0,27	0,22	4,60
16	434181	6534589	47	0,34	0,23	10,80
17	434019	6534830	0	0,00	0,00	0,00
19	433730	6534062	69	0,46	0,32	21,90
21	432882	6533493	0	0,00	0,00	0,00
22	432556	6533054	0	0,00	0,00	0,00
23	432828	6532831	0	0,00	0,00	0,00
24	433587	6532465	0	0,00	0,00	0,00
27	430374	6533165	0	0,00	0,00	0,00
28	429621	6541211	37	0,38	0,27	9,90
29	429699	6541651	31	0,33	0,25	7,80
30	429479	6541481	27	0,32	0,25	6,80
34	429683	6542133	0	0,00	0,00	0,00
35	431304	6541924	72	0,69	0,45	32,20
38	432095	6542263	30	0,43	0,26	7,70
40	434595	6541444	9	0,30	0,19	1,70
42	429130	6540846	24	0,32	0,26	6,20
43	428953	6540976	22	0,29	0,23	5,00
44	428923	6541103	21	0,28	0,22	4,70
45	428731	6541218	0	0,00	0,00	0,00
46	428622	6541108	0	0,00	0,00	0,00
47	428903	6540858	21	0,29	0,23	4,80
48	428757	6540816	0	0,00	0,00	0,00
49	428779	6540922	0	0,00	0,00	0,00
50	428877	6540747	22	0,29	0,22	4,90
51	428904	6540717	22	0,29	0,23	5,10
52	428924	6540720	22	0,30	0,24	5,20
53	429351	6540809	18	0,37	0,30	5,40
54	429400	6540784	14	0,38	0,27	3,80
55	429319	6540418	0	0,00	0,00	0,00
56	429386	6540388	0	0,00	0,00	0,00

57	429275	6540272	14	0,30	0,20	2,80
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Hus	Y-koordinat	X-koordinat	Dager/år	Maks. ant. timer/dag	Gj.sn. ant. timer/dag	Timer totalt
58	429232	6540263	19	0,34	0,22	4,10
59	429358	6540220	16	0,30	0,19	3,10
60	429190	6540232	23	0,36	0,26	6,00
61	428820	6539808	19	0,25	0,16	3,10
63	429331	6532738	0	0,00	0,00	0,00
64	429613	6532792	0	0,00	0,00	0,00
65	432638	6537367	58	0,61	0,36	21,10
66	432739	6537462	95	0,51	0,38	36,10
68	434707	6538188	51	0,51	0,29	14,90
69	435004	6540204	95	0,31	0,24	23,10
71	434541	6540394	126	0,60	0,35	44,20
80	431424	6536893	83	0,40	0,27	22,20
81	430509	6535946	23	0,29	0,23	5,30
82	430385	6535789	0	0,00	0,00	0,00
83	430742	6535714	77	0,33	0,24	18,30
84	430517	6535734	27	0,29	0,22	6,00
85	430434	6535581	0	0,00	0,00	0,00
86	430265	6535540	0	0,00	0,00	0,00
87	430204	6535480	0	0,00	0,00	0,00
88	430059	6535461	0	0,00	0,00	0,00
89	430059	6535598	0	0,00	0,00	0,00
90	430117	6535672	0	0,00	0,00	0,00
93	430211	6534106	0	0,00	0,00	0,00
94	430172	6534109	0	0,00	0,00	0,00
98	430288	6533815	0	0,00	0,00	0,00
99	430286	6533779	0	0,00	0,00	0,00
100	429257	6533651	0	0,00	0,00	0,00
104	429046	6533732	0	0,00	0,00	0,00
105	428913	6533778	0	0,00	0,00	0,00
106	428893	6533933	0	0,00	0,00	0,00
107	428792	6534067	0	0,00	0,00	0,00
108	429504	6534230	0	0,00	0,00	0,00
109	429542	6534231	0	0,00	0,00	0,00
115	428942	6533527	0	0,00	0,00	0,00



Tabell 4.2: Antall timer med skyggekast hver turbin bidrar med for hver eiendom

[illegible]

Tabell 5.1: Observert skydekke i nærheten av Hovatn Aust, (kilde – www.ipcc-data.org [7]).

Måned	Skydekke
Januar	65%
Februar	60%
Mars	66%
April	64%
Mai	66%
Juni	60%
Juli	62%
August	64%
September	68%
Oktober	68%
November	65%
Desember	62%

Tabell 5.2: Kombinerte soleffekt- og skydekkereduksjonsfaktor og derav følgende årlige timer med skyggeflimmer [7]. *Rød tekst angir resulterende totalt antall timer >8 timer/år

Hus	Timer totalt	Solreduksjonsfaktor	Resulterende timer	Skydekkereduksjonsfaktor	Resulterende timer totalt
4	23,6	1,000	23,60	0,351	8,28
5	21,7	1,000	21,70	0,346	7,51
15	4,6	1,000	4,60	0,336	1,55
16	10,8	1,000	10,80	0,349	3,77
19	21,9	1,000	21,90	0,386	8,45
28	9,9	1,000	9,90	0,345	3,42
29	7,8	1,000	7,80	0,369	2,88
30	6,8	1,000	6,80	0,363	2,47
35	32,2	1,000	32,20	0,363	11,70
38	7,7	1,000	7,70	0,362	2,79
40	1,7	1,000	1,70	0,330	0,56
42	6,2	1,000	6,20	0,330	2,05
43	5	1,000	5,00	0,330	1,65
44	4,7	1,000	4,70	0,330	1,55
47	4,8	1,000	4,80	0,330	1,58
50	4,9	1,000	4,90	0,330	1,62
51	5,1	1,000	5,10	0,330	1,68
52	5,2	1,000	5,20	0,330	1,72
53	5,4	1,000	5,40	0,330	1,78
54	3,8	1,000	3,80	0,330	1,25
57	2,8	1,000	2,80	0,360	1,01
58	4,1	1,000	4,10	0,362	1,49
59	3,1	1,000	3,10	0,350	1,08
60	6	1,000	6,00	0,362	2,17
61	3,1	1,000	3,10	0,354	1,10
65	21,1	1,000	21,10	0,341	7,20
66	36,1	1,000	36,10	0,355	12,80
68	14,9	1,000	14,90	0,365	5,44
69	23,1	1,000	23,10	0,374	8,63
71	44,2	1,000	44,20	0,366	16,16
80	22,2	1,000	22,20	0,344	7,64
81	5,3	1,000	5,30	0,363	1,92
83	18,3	1,000	18,30	0,346	6,34
84	6	1,000	6,00	0,362	2,17

ANNEX A

House 3	Easting 435885	Northing 6535447					
There are no shadows cast on this window							
House 4	Easting 435410	Northing 6536737					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
21	434469	6536480	91	16:08:39	16:12:16	00:03:37	100
21	434469	6536480	92	15:49:34	16:13:03	00:23:28	100
21	434469	6536480	93	15:47:55	16:13:33	00:25:38	100
21	434469	6536480	94	15:47:04	16:13:49	00:26:45	100
21	434469	6536480	95	15:46:25	16:13:54	00:27:29	100
21	434469	6536480	96	15:45:57	16:13:48	00:27:51	100
21	434469	6536480	97	15:45:39	16:13:32	00:27:53	100
21	434469	6536480	98	15:45:31	16:13:06	00:27:35	100
21	434469	6536480	99	15:45:34	16:12:31	00:26:57	100
21	434469	6536480	100	15:45:48	16:11:44	00:25:56	100
21	434469	6536480	101	15:46:14	16:10:47	00:24:33	100
21	434469	6536480	102	15:46:55	16:09:37	00:22:43	100
21	434469	6536480	103	15:47:54	16:08:11	00:20:17	100
21	434469	6536480	104	15:49:19	16:06:20	00:17:01	100
21	434469	6536480	105	15:51:22	16:03:48	00:12:26	68.11
21	434469	6536480	106	15:56:19	15:58:23	00:02:04	1.79
21	434469	6536480	239	15:53:08	16:05:05	00:11:57	62.2
21	434469	6536480	240	15:50:30	16:07:09	00:16:39	100
21	434469	6536480	241	15:48:29	16:08:28	00:19:59	100
21	434469	6536480	242	15:46:55	16:09:22	00:22:27	100
21	434469	6536480	243	15:45:38	16:09:59	00:24:20	100
21	434469	6536480	244	15:44:36	16:10:22	00:25:46	100
21	434469	6536480	245	15:43:45	16:10:34	00:26:49	100
21	434469	6536480	246	15:43:05	16:10:35	00:27:31	100
21	434469	6536480	247	15:42:34	16:10:26	00:27:52	100
21	434469	6536480	248	15:42:13	16:10:07	00:27:54	100
21	434469	6536480	249	15:42:01	16:09:38	00:27:37	100
21	434469	6536480	250	15:41:59	16:08:58	00:26:59	100
21	434469	6536480	251	15:42:08	16:08:07	00:25:58	100
21	434469	6536480	252	15:42:30	16:07:03	00:24:33	100
21	434469	6536480	253	15:55:40	16:05:44	00:10:04	100
22	434320	6536860	118	17:20:19	17:20:54	00:00:35	100
22	434320	6536860	119	17:15:06	17:21:42	00:06:37	100
22	434320	6536860	120	17:10:10	17:22:18	00:12:08	100
22	434320	6536860	121	17:05:32	17:22:46	00:17:14	100
22	434320	6536860	122	17:01:09	17:23:05	00:21:56	100
22	434320	6536860	123	16:57:36	17:23:17	00:25:41	100
22	434320	6536860	124	16:57:21	17:23:21	00:25:59	100
22	434320	6536860	125	16:57:14	17:23:19	00:26:05	100
22	434320	6536860	126	16:57:14	17:23:11	00:25:56	100
22	434320	6536860	127	16:57:21	17:22:57	00:25:36	100
22	434320	6536860	128	16:57:35	17:22:37	00:25:02	100
22	434320	6536860	129	16:57:55	17:22:11	00:24:16	100
22	434320	6536860	130	16:58:23	17:21:39	00:23:15	100
22	434320	6536860	131	16:58:59	17:20:59	00:22:01	100
22	434320	6536860	132	16:59:44	17:20:13	00:20:29	100
22	434320	6536860	133	17:00:40	17:19:17	00:18:37	100
22	434320	6536860	134	17:01:50	17:18:09	00:16:19	100
22	434320	6536860	135	17:03:21	17:16:43	00:13:23	81.39
22	434320	6536860	136	17:05:20	17:14:45	00:09:25	38.59
22	434320	6536860	207	17:17:28	17:22:59	00:05:31	12.86
22	434320	6536860	208	17:14:40	17:25:48	00:11:07	54.49
22	434320	6536860	209	17:12:56	17:27:30	00:14:34	97.11
22	434320	6536860	210	17:11:33	17:28:46	00:17:13	100
22	434320	6536860	211	17:10:26	17:29:46	00:19:20	100
22	434320	6536860	212	17:09:31	17:30:34	00:21:03	100
22	434320	6536860	213	17:08:45	17:31:13	00:22:28	100
22	434320	6536860	214	17:08:06	17:31:43	00:23:37	100
22	434320	6536860	215	17:07:33	17:32:05	00:24:32	100
22	434320	6536860	216	17:07:06	17:32:20	00:25:14	100
22	434320	6536860	217	17:06:45	17:32:29	00:25:44	100
22	434320	6536860	218	17:06:29	17:32:30	00:26:01	100
22	434320	6536860	219	17:06:19	17:32:24	00:26:05	100
22	434320	6536860	220	17:06:15	17:32:12	00:25:57	100
22	434320	6536860	221	17:06:38	17:31:52	00:25:14	100
22	434320	6536860	222	17:10:30	17:31:23	00:20:53	100
22	434320	6536860	223	17:14:36	17:30:46	00:16:10	100
22	434320	6536860	224	17:18:56	17:29:59	00:11:03	100
22	434320	6536860	225	17:23:32	17:29:03	00:05:31	100
House 5	Easting 435220	Northing 6536931					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
21	434469	6536480	79	14:54:54	15:24:38	00:29:44	100
21	434469	6536480	80	14:54:19	15:24:39	00:30:20	100
21	434469	6536480	81	14:53:53	15:24:28	00:30:35	100

21	434469	6536480	82	14:53:38	15:24:08	00:30:30	100
21	434469	6536480	83	14:53:33	15:23:38	00:30:05	100
21	434469	6536480	84	14:53:38	15:22:57	00:29:19	100
21	434469	6536480	85	14:53:55	15:22:05	00:28:10	100
21	434469	6536480	86	14:54:24	15:20:59	00:26:36	100
21	434469	6536480	87	14:55:09	15:19:40	00:24:31	100
21	434469	6536480	88	14:56:13	15:18:00	00:21:47	100
21	434469	6536480	89	14:57:45	15:15:52	00:18:07	100
21	434469	6536480	90	15:00:00	15:12:55	00:12:55	68.6
21	434469	6536480	254	14:53:54	15:04:01	00:10:07	40.99
21	434469	6536480	255	14:50:28	15:06:48	00:16:21	100
21	434469	6536480	256	14:48:06	15:08:31	00:20:25	100
21	434469	6536480	257	14:46:13	15:09:40	00:23:27	100
21	434469	6536480	258	14:44:41	15:10:27	00:25:45	100
21	434469	6536480	259	14:43:27	15:10:58	00:27:31	100
21	434469	6536480	260	14:42:25	15:11:15	00:28:50	100
21	434469	6536480	261	14:41:35	15:11:22	00:29:46	100
21	434469	6536480	262	14:40:56	15:11:17	00:30:21	100
21	434469	6536480	263	14:40:27	15:11:03	00:30:36	100
21	434469	6536480	264	14:40:08	15:10:39	00:30:31	100
21	434469	6536480	265	14:39:58	15:10:05	00:30:07	100
22	434320	6536860	110	16:41:46	16:44:19	00:02:33	100
22	434320	6536860	111	16:34:30	16:44:33	00:10:02	100
22	434320	6536860	112	16:27:43	16:44:38	00:16:55	100
22	434320	6536860	113	16:21:22	16:44:36	00:23:15	100
22	434320	6536860	114	16:15:25	16:44:29	00:29:04	100
22	434320	6536860	115	16:14:05	16:44:15	00:30:10	100
22	434320	6536860	116	16:14:07	16:43:54	00:29:46	100
22	434320	6536860	117	16:14:18	16:43:26	00:29:08	100
22	434320	6536860	118	16:14:36	16:42:51	00:28:15	100
22	434320	6536860	119	16:15:03	16:42:09	00:27:06	100
22	434320	6536860	120	16:15:39	16:41:18	00:25:39	100
22	434320	6536860	121	16:16:27	16:40:18	00:23:51	100
22	434320	6536860	122	16:17:28	16:39:05	00:21:38	100
22	434320	6536860	123	16:18:46	16:37:38	00:18:51	100
22	434320	6536860	124	16:20:28	16:35:46	00:15:18	92.99
22	434320	6536860	125	16:22:54	16:33:09	00:10:15	39.9
22	434320	6536860	219	16:31:21	16:42:55	00:11:34	51.03
22	434320	6536860	220	16:28:58	16:45:05	00:16:07	100
22	434320	6536860	221	16:27:08	16:46:35	00:19:27	100
22	434320	6536860	222	16:25:38	16:47:43	00:22:04	100
22	434320	6536860	223	16:24:24	16:48:35	00:24:11	100
22	434320	6536860	224	16:23:22	16:49:16	00:25:54	100
22	434320	6536860	225	16:22:29	16:49:46	00:27:17	100
22	434320	6536860	226	16:21:44	16:50:07	00:28:24	100
22	434320	6536860	227	16:21:06	16:50:20	00:29:14	100
22	434320	6536860	228	16:20:35	16:50:25	00:29:50	100
22	434320	6536860	229	16:20:11	16:50:23	00:30:12	100
22	434320	6536860	230	16:21:33	16:50:13	00:28:40	100
22	434320	6536860	231	16:27:02	16:49:55	00:22:53	100
22	434320	6536860	232	16:32:53	16:49:31	00:16:38	100
22	434320	6536860	233	16:39:09	16:48:59	00:09:50	100
22	434320	6536860	234	16:45:51	16:48:18	00:02:26	100
House 8	Easting 434806	Northing 6535100					
There are no shadows cast on this window							
House 9	Easting 435199	Northing 6534816					
There are no shadows cast on this window							
House 10	Easting 434869	Northing 6534221					
There are no shadows cast on this window							
House 11	Easting 434776	Northing 6534426					
There are no shadows cast on this window							
House 14	Easting 434635	Northing 6533527					
There are no shadows cast on this window							
House 15	Easting 434591	Northing 6534638					
Turbine 1	Easting 432809	Northing 6534410	Day 85	Start Time 16:42:01	End Time 16:48:46	Duration 00:06:45	% Cover 33.35
1	432809	6534410	86	16:39:24	16:50:50	00:11:26	100
1	432809	6534410	87	16:37:50	16:51:48	00:13:58	100
1	432809	6534410	88	16:36:47	16:52:16	00:15:29	100
1	432809	6534410	89	16:36:05	16:52:22	00:16:17	100
1	432809	6534410	90	16:35:43	16:52:10	00:16:27	100

1	432809	6534410	91	16:35:38	16:51:41	00:16:02	100
1	432809	6534410	92	16:35:53	16:50:52	00:14:59	100
1	432809	6534410	93	16:36:33	16:49:40	00:13:07	100
1	432809	6534410	94	16:37:50	16:47:52	00:10:02	79.93
1	432809	6534410	95	16:40:51	16:44:19	00:03:28	8.71
1	432809	6534410	250	16:33:17	16:42:33	00:09:16	66.63
1	432809	6534410	251	16:31:12	16:43:51	00:12:39	100
1	432809	6534410	252	16:29:49	16:44:29	00:14:40	100
1	432809	6534410	253	16:28:51	16:44:43	00:15:52	100
1	432809	6534410	254	16:28:12	16:44:38	00:16:26	100
1	432809	6534410	255	16:27:51	16:44:15	00:16:24	100
1	432809	6534410	256	16:27:47	16:43:35	00:15:47	100
1	432809	6534410	257	16:28:03	16:42:35	00:14:31	100
1	432809	6534410	258	16:28:46	16:41:09	00:12:23	100
1	432809	6534410	259	16:30:13	16:38:56	00:08:43	57.24
House 16							
	Eastings	Northings					
	434181	6534589					
Turbine							
	Eastings	Northings	Day	Start Time	End Time	Duration	% Cover
1	432809	6534410	91	16:33:31	16:38:14	00:04:44	12.2
1	432809	6534410	92	16:29:44	16:41:30	00:11:47	84.4
1	432809	6534410	93	16:27:41	16:42:59	00:15:18	100
1	432809	6534410	94	16:26:15	16:43:51	00:17:36	100
1	432809	6534410	95	16:25:11	16:44:20	00:19:08	100
1	432809	6534410	96	16:24:26	16:44:31	00:20:06	100
1	432809	6534410	97	16:23:55	16:44:28	00:20:33	100
1	432809	6534410	98	16:23:38	16:44:13	00:20:35	100
1	432809	6534410	99	16:23:35	16:43:44	00:20:10	100
1	432809	6534410	100	16:23:46	16:43:02	00:19:16	100
1	432809	6534410	101	16:24:14	16:42:04	00:17:50	100
1	432809	6534410	102	16:25:03	16:40:46	00:15:43	100
1	432809	6534410	103	16:26:24	16:38:59	00:12:36	99.62
1	432809	6534410	104	16:28:44	16:36:10	00:07:26	32.26
1	432809	6534410	240	16:29:54	16:36:59	00:07:04	28.87
1	432809	6534410	241	16:26:57	16:39:19	00:12:22	94.83
1	432809	6534410	242	16:25:01	16:40:33	00:15:32	100
1	432809	6534410	243	16:23:36	16:41:17	00:17:41	100
1	432809	6534410	244	16:22:32	16:41:42	00:19:09	100
1	432809	6534410	245	16:21:44	16:41:50	00:20:06	100
1	432809	6534410	246	16:21:09	16:41:43	00:20:34	100
1	432809	6534410	247	16:20:48	16:41:24	00:20:36	100
1	432809	6534410	248	16:20:39	16:40:52	00:20:13	100
1	432809	6534410	249	16:20:44	16:40:06	00:19:22	100
1	432809	6534410	250	16:21:05	16:39:03	00:17:58	100
1	432809	6534410	251	16:21:47	16:37:40	00:15:53	100
1	432809	6534410	252	16:22:59	16:35:44	00:12:45	100
1	432809	6534410	253	16:25:20	16:32:39	00:07:19	29.86
3	432741	6534808	120	17:33:32	17:34:59	00:01:28	100
3	432741	6534808	121	17:28:46	17:34:51	00:06:05	100
3	432741	6534808	122	17:24:16	17:34:33	00:10:17	100
3	432741	6534808	123	17:20:00	17:34:05	00:14:05	100
3	432741	6534808	124	17:15:59	17:33:28	00:17:29	100
3	432741	6534808	125	17:16:06	17:32:40	00:16:34	100
3	432741	6534808	126	17:17:01	17:31:37	00:14:35	100
3	432741	6534808	127	17:18:20	17:30:13	00:11:52	85.12
3	432741	6534808	128	17:20:20	17:28:08	00:07:47	34.69
3	432741	6534808	215	17:33:03	17:34:51	00:01:47	1.75
3	432741	6534808	216	17:29:11	17:38:33	00:09:22	50.8
3	432741	6534808	217	17:27:19	17:40:10	00:12:51	100
3	432741	6534808	218	17:25:59	17:41:14	00:15:16	100
3	432741	6534808	219	17:24:57	17:41:59	00:17:03	100
3	432741	6534808	220	17:25:56	17:42:31	00:16:35	100
3	432741	6534808	221	17:29:43	17:42:51	00:13:08	100
3	432741	6534808	222	17:33:43	17:43:00	00:09:17	100
3	432741	6534808	223	17:37:56	17:42:59	00:05:03	100
3	432741	6534808	224	17:42:24	17:42:39	00:00:15	100
House 17							
	Eastings	Northings					
	434019	6534830					
There are no shadows cast on this window							
House 19							
	Eastings	Northings					
	433730	6534062					
Turbine							
	Eastings	Northings	Day	Start Time	End Time	Duration	% Cover
1	432809	6534410	147	17:53:55	17:59:43	00:05:48	12.54
1	432809	6534410	148	17:51:41	18:02:15	00:10:34	42.54
1	432809	6534410	149	17:50:21	18:03:53	00:13:32	71.36
1	432809	6534410	150	17:49:23	18:05:10	00:15:47	99.01
1	432809	6534410	151	17:48:39	18:06:14	00:17:34	100
1	432809	6534410	152	17:48:05	18:07:08	00:19:04	100
1	432809	6534410	153	17:47:37	18:07:56	00:20:19	100
1	432809	6534410	154	17:47:16	18:08:39	00:21:24	100
1	432809	6534410	155	17:46:59	18:09:18	00:22:19	100

1	432809	6534410	156	17:46:46	18:09:53	00:23:07	100
1	432809	6534410	157	17:46:37	18:10:26	00:23:50	100
1	432809	6534410	158	17:46:30	18:10:58	00:24:28	100
1	432809	6534410	159	17:46:26	18:11:27	00:25:00	100
1	432809	6534410	160	17:46:25	18:11:54	00:25:29	100
1	432809	6534410	161	17:46:25	18:12:19	00:25:54	100
1	432809	6534410	162	17:46:27	18:12:42	00:26:15	100
1	432809	6534410	163	17:46:31	18:13:04	00:26:33	100
1	432809	6534410	164	17:46:36	18:13:25	00:26:49	100
1	432809	6534410	165	17:46:43	18:13:45	00:27:02	100
1	432809	6534410	166	17:46:51	18:14:03	00:27:13	100
1	432809	6534410	167	17:46:59	18:14:21	00:27:22	100
1	432809	6534410	168	17:47:09	18:14:38	00:27:28	100
1	432809	6534410	169	17:47:20	18:14:53	00:27:34	100
1	432809	6534410	170	17:47:31	18:15:08	00:27:37	100
1	432809	6534410	171	17:47:43	18:15:22	00:27:39	100
1	432809	6534410	172	17:47:56	18:15:36	00:27:39	100
1	432809	6534410	173	17:48:10	18:15:48	00:27:38	100
1	432809	6534410	174	17:48:24	18:15:59	00:27:35	100
1	432809	6534410	175	17:48:39	18:16:10	00:27:31	100
1	432809	6534410	176	17:48:55	18:16:20	00:27:25	100
1	432809	6534410	177	17:49:11	18:16:28	00:27:17	100
1	432809	6534410	178	17:49:29	18:16:35	00:27:07	100
1	432809	6534410	179	17:49:47	18:16:41	00:26:54	100
1	432809	6534410	180	17:50:05	18:16:45	00:26:40	100
1	432809	6534410	181	17:50:25	18:16:48	00:26:23	100
1	432809	6534410	182	17:50:46	18:16:49	00:26:03	100
1	432809	6534410	183	17:51:08	18:16:48	00:25:40	100
1	432809	6534410	184	17:51:32	18:16:45	00:25:13	100
1	432809	6534410	185	17:51:57	18:16:39	00:24:42	100
1	432809	6534410	186	17:52:24	18:16:31	00:24:07	100
1	432809	6534410	187	17:52:53	18:16:19	00:23:26	100
1	432809	6534410	188	17:53:25	18:16:05	00:22:41	100
1	432809	6534410	189	17:53:59	18:15:48	00:21:49	100
1	432809	6534410	190	17:54:37	18:15:26	00:20:49	100
1	432809	6534410	191	17:55:20	18:14:59	00:19:39	100
1	432809	6534410	192	17:56:08	18:14:25	00:18:17	100
1	432809	6534410	193	17:57:04	18:13:42	00:16:39	100
1	432809	6534410	194	17:58:10	18:12:49	00:14:39	84.12
1	432809	6534410	195	17:59:32	18:11:37	00:12:06	56.1
1	432809	6534410	196	18:01:25	18:09:54	00:08:28	26.94
2	432327	6534571	138	18:15:36	18:17:44	00:02:08	100
2	432327	6534571	139	18:13:12	18:17:33	00:04:21	100
2	432327	6534571	140	18:10:56	18:17:17	00:06:21	100
2	432327	6534571	141	18:08:47	18:16:56	00:08:09	100
2	432327	6534571	142	18:06:46	18:16:30	00:09:44	100
2	432327	6534571	143	18:04:53	18:15:58	00:11:06	100
2	432327	6534571	144	18:03:05	18:15:20	00:12:14	100
2	432327	6534571	145	18:02:01	18:14:33	00:12:32	91.73
2	432327	6534571	146	18:03:16	18:13:33	00:10:16	59.66
2	432327	6534571	147	18:04:55	18:12:09	00:07:15	28.74
2	432327	6534571	196	18:14:43	18:20:02	00:05:18	15.1
2	432327	6534571	197	18:12:58	18:21:59	00:09:01	45.19
2	432327	6534571	198	18:11:46	18:23:19	00:11:33	76.4
2	432327	6534571	199	18:11:39	18:24:22	00:12:42	100
2	432327	6534571	200	18:13:32	18:25:13	00:11:41	100
2	432327	6534571	201	18:15:30	18:25:57	00:10:26	100
2	432327	6534571	202	18:17:34	18:26:33	00:08:58	100
2	432327	6534571	203	18:19:44	18:27:02	00:07:18	100
2	432327	6534571	204	18:22:00	18:27:26	00:05:26	100
2	432327	6534571	205	18:24:23	18:27:44	00:03:21	100
2	432327	6534571	206	18:26:53	18:27:39	00:00:46	100
House	Easting	Northing					
21	432882	6533493					
There are no shadows cast on this window							
House	Easting	Northing					
22	432556	6533054					
There are no shadows cast on this window							
House	Easting	Northing					
23	432828	6532831					
There are no shadows cast on this window							
House	Easting	Northing					
24	433587	6532465					
There are no shadows cast on this window							
House	Easting	Northing					
27	430374	6533165					
There are no shadows cast on this window							

House	Easting	Northing					
28	429621	6541211					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
32	431213	6540635	78	06:53:42	07:11:02	00:17:20	100
32	431213	6540635	79	06:53:34	07:10:33	00:16:59	100
32	431213	6540635	80	06:53:46	07:09:45	00:15:59	100
32	431213	6540635	81	06:54:20	07:08:34	00:14:14	100
32	431213	6540635	82	06:55:27	07:06:49	00:11:22	97.53
32	431213	6540635	83	06:57:50	07:03:42	00:05:51	23.41
32	431213	6540635	262	06:46:19	06:50:14	00:03:55	10.57
32	431213	6540635	263	06:42:42	06:53:21	00:10:39	83.01
32	431213	6540635	264	06:40:48	06:54:34	00:13:46	100
32	431213	6540635	265	06:39:30	06:55:11	00:15:42	100
32	431213	6540635	266	06:38:35	06:55:24	00:16:49	100
32	431213	6540635	267	06:37:59	06:55:19	00:17:19	100
34	430528	6540326	53	08:41:00	08:48:34	00:07:34	100
34	430528	6540326	54	08:29:04	08:49:16	00:20:12	100
34	430528	6540326	55	08:27:56	08:49:41	00:21:45	100
34	430528	6540326	56	08:27:26	08:49:52	00:22:26	100
34	430528	6540326	57	08:27:07	08:49:49	00:22:42	100
34	430528	6540326	58	08:27:01	08:49:33	00:22:32	100
34	430528	6540326	59	08:27:07	08:49:04	00:21:57	100
34	430528	6540326	60	08:27:27	08:48:20	00:20:53	100
34	430528	6540326	61	08:28:03	08:47:19	00:19:16	100
34	430528	6540326	62	08:28:59	08:45:55	00:16:55	100
34	430528	6540326	63	08:30:29	08:43:56	00:13:27	100
34	430528	6540326	64	08:33:14	08:40:30	00:07:16	27.78
34	430528	6540326	281	08:11:34	08:14:13	00:02:39	3.77
34	430528	6540326	282	08:06:53	08:18:43	00:11:50	75.19
34	430528	6540326	283	08:04:39	08:20:29	00:15:51	100
34	430528	6540326	284	08:03:05	08:21:34	00:18:30	100
34	430528	6540326	285	08:01:55	08:22:15	00:20:20	100
34	430528	6540326	286	08:01:03	08:22:38	00:21:35	100
34	430528	6540326	287	08:00:26	08:22:48	00:22:21	100
34	430528	6540326	288	08:00:03	08:22:44	00:22:41	100
34	430528	6540326	289	07:59:53	08:22:30	00:22:37	100
34	430528	6540326	290	07:59:55	08:22:03	00:22:08	100
34	430528	6540326	291	08:00:11	08:21:25	00:21:13	100
34	430528	6540326	292	08:06:44	08:20:32	00:13:48	100
34	430528	6540326	293	08:17:49	08:19:23	00:01:34	100
House	Easting	Northing					
29	429699	6541651					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
34	430528	6540326	29	09:24:02	09:29:34	00:05:32	17.92
34	430528	6540326	30	09:21:28	09:32:12	00:10:44	69.74
34	430528	6540326	31	09:20:05	09:33:48	00:13:43	100
34	430528	6540326	32	09:19:09	09:34:58	00:15:49	100
34	430528	6540326	33	09:18:30	09:35:50	00:17:20	100
34	430528	6540326	34	09:18:03	09:36:28	00:18:25	100
34	430528	6540326	35	09:17:47	09:36:55	00:19:08	100
34	430528	6540326	36	09:17:41	09:37:10	00:19:29	100
34	430528	6540326	37	09:17:44	09:37:14	00:19:30	100
34	430528	6540326	38	09:17:57	09:37:07	00:19:10	100
34	430528	6540326	39	09:18:21	09:36:48	00:18:27	100
34	430528	6540326	40	09:18:57	09:36:15	00:17:18	100
34	430528	6540326	41	09:19:49	09:35:23	00:15:34	100
34	430528	6540326	42	09:21:04	09:34:07	00:13:03	100
34	430528	6540326	43	09:23:01	09:32:02	00:09:00	49.26
34	430528	6540326	302	08:54:31	08:59:21	00:04:51	14.5
34	430528	6540326	303	08:51:30	09:02:35	00:11:05	76.69
34	430528	6540326	304	08:49:54	09:04:10	00:14:16	100
34	430528	6540326	305	08:48:49	09:05:12	00:16:23	100
34	430528	6540326	306	08:48:05	09:05:55	00:17:50	100
34	430528	6540326	307	08:47:36	09:06:24	00:18:48	100
34	430528	6540326	308	08:47:20	09:06:41	00:19:21	100
34	430528	6540326	309	08:47:16	09:06:49	00:19:33	100
34	430528	6540326	310	08:47:22	09:06:47	00:19:24	100
34	430528	6540326	311	08:47:40	09:06:36	00:18:56	100
34	430528	6540326	312	08:48:09	09:06:16	00:18:07	100
34	430528	6540326	313	08:48:50	09:05:45	00:16:55	100
34	430528	6540326	314	08:49:47	09:05:02	00:15:15	100
34	430528	6540326	315	08:51:03	09:04:01	00:12:58	100
34	430528	6540326	316	08:52:53	09:02:31	00:09:37	54.53
34	430528	6540326	317	08:56:57	08:59:15	00:02:18	3.76
House	Easting	Northing					
30	429479	6541481					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
34	430528	6540326	40	08:43:29	08:53:04	00:09:35	56.85
34	430528	6540326	41	08:41:35	08:54:52	00:13:17	100
34	430528	6540326	42	08:40:22	08:56:03	00:15:42	100
34	430528	6540326	43	08:39:30	08:56:51	00:17:21	100

34	430528	6540326	44	08:38:55	08:57:22	00:18:27	100
34	430528	6540326	45	08:38:33	08:57:38	00:19:04	100
34	430528	6540326	46	08:38:24	08:57:40	00:19:16	100
34	430528	6540326	47	08:38:26	08:57:29	00:19:03	100
34	430528	6540326	48	08:38:42	08:57:04	00:18:22	100
34	430528	6540326	49	08:39:12	08:56:23	00:17:11	100
34	430528	6540326	50	08:40:01	08:55:22	00:15:21	100
34	430528	6540326	51	08:41:17	08:53:50	00:12:33	100
34	430528	6540326	52	08:43:29	08:51:15	00:07:46	37.48
34	430528	6540326	293	08:17:17	08:19:44	00:02:27	3.75
34	430528	6540326	294	08:13:13	08:23:46	00:10:33	71.05
34	430528	6540326	295	08:11:21	08:25:25	00:14:04	100
34	430528	6540326	296	08:10:06	08:26:24	00:16:19	100
34	430528	6540326	297	08:09:13	08:27:02	00:17:49	100
34	430528	6540326	298	08:08:39	08:27:23	00:18:45	100
34	430528	6540326	299	08:08:19	08:27:31	00:19:13	100
34	430528	6540326	300	08:08:12	08:27:27	00:19:15	100
34	430528	6540326	301	08:08:19	08:27:12	00:18:53	100
34	430528	6540326	302	08:08:39	08:26:44	00:18:05	100
34	430528	6540326	303	08:09:15	08:26:03	00:16:48	100
34	430528	6540326	304	08:10:10	08:25:05	00:14:55	100
34	430528	6540326	305	08:11:32	08:23:43	00:12:11	95.8
34	430528	6540326	306	08:13:48	08:21:32	00:07:44	35.71
House	Easting	Northing					
34	429683	6542133					
There are no shadows cast on this window							
House	Easting	Northing					
35	431304	6541924					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
32	431213	6540635	1	11:37:09	11:54:10	00:17:01	100
32	431213	6540635	2	11:38:03	11:54:12	00:16:09	100
32	431213	6540635	3	11:39:02	11:54:08	00:15:07	100
32	431213	6540635	4	11:40:07	11:53:58	00:13:51	87.06
32	431213	6540635	5	11:41:21	11:53:37	00:12:16	66.01
32	431213	6540635	6	11:42:50	11:53:01	00:10:11	43.53
32	431213	6540635	7	11:44:47	11:51:55	00:07:08	19.64
32	431213	6540635	338	11:30:36	11:33:50	00:03:15	3.18
32	431213	6540635	339	11:28:30	11:36:50	00:08:21	27.81
32	431213	6540635	340	11:27:37	11:38:34	00:10:57	51.06
32	431213	6540635	341	11:27:06	11:39:56	00:12:50	72.94
32	431213	6540635	342	11:26:49	11:41:06	00:14:17	93.41
32	431213	6540635	343	11:26:40	11:42:08	00:15:28	100
32	431213	6540635	344	11:26:37	11:43:04	00:16:26	100
32	431213	6540635	345	11:26:40	11:43:56	00:17:15	100
32	431213	6540635	346	11:26:48	11:44:44	00:17:56	100
32	431213	6540635	347	11:26:59	11:45:29	00:18:30	100
32	431213	6540635	348	11:27:13	11:46:12	00:18:59	100
32	431213	6540635	349	11:27:30	11:46:52	00:19:22	100
32	431213	6540635	350	11:27:49	11:47:31	00:19:42	100
32	431213	6540635	351	11:28:11	11:48:08	00:19:57	100
32	431213	6540635	352	11:28:34	11:48:44	00:20:09	100
32	431213	6540635	353	11:28:59	11:49:18	00:20:18	100
32	431213	6540635	354	11:29:26	11:49:50	00:20:24	100
32	431213	6540635	355	11:29:55	11:50:22	00:20:27	100
32	431213	6540635	356	11:30:25	11:50:52	00:20:27	100
32	431213	6540635	357	11:30:56	11:51:20	00:20:24	100
32	431213	6540635	358	11:31:29	11:51:47	00:20:18	100
32	431213	6540635	359	11:32:03	11:52:12	00:20:09	100
32	431213	6540635	360	11:32:39	11:52:36	00:19:56	100
32	431213	6540635	361	11:33:17	11:52:58	00:19:41	100
32	431213	6540635	362	11:33:56	11:53:17	00:19:21	100
32	431213	6540635	363	11:34:37	11:53:34	00:18:57	100
32	431213	6540635	364	11:35:21	11:53:49	00:18:28	100
32	431213	6540635	365	11:36:07	11:53:59	00:17:53	100
34	430528	6540326	1	13:14:02	13:29:50	00:15:48	100
34	430528	6540326	2	13:14:46	13:30:03	00:15:17	100
34	430528	6540326	3	13:15:33	13:30:12	00:14:39	100
34	430528	6540326	4	13:16:23	13:30:17	00:13:54	100
34	430528	6540326	5	13:17:19	13:30:16	00:12:57	100
34	430528	6540326	6	13:18:21	13:30:08	00:11:47	90.11
34	430528	6540326	7	13:19:33	13:29:49	00:10:16	66.12
34	430528	6540326	8	13:21:02	13:29:14	00:08:12	40.73
34	430528	6540326	9	13:23:11	13:28:03	00:04:53	13.96
34	430528	6540326	337	13:04:51	13:11:37	00:06:45	26.99
34	430528	6540326	338	13:03:57	13:13:14	00:09:17	52.91
34	430528	6540326	339	13:03:28	13:14:30	00:11:02	77.46
34	430528	6540326	340	13:03:12	13:15:34	00:12:22	100
34	430528	6540326	341	13:03:06	13:16:31	00:13:25	100
34	430528	6540326	342	13:03:06	13:17:22	00:14:16	100
34	430528	6540326	343	13:03:12	13:18:09	00:14:57	100
34	430528	6540326	344	13:03:22	13:18:53	00:15:31	100

34	430528	6540326	345	13:03:35	13:19:34	00:15:59	100
34	430528	6540326	346	13:03:51	13:20:14	00:16:23	100
34	430528	6540326	347	13:04:09	13:20:51	00:16:42	100
34	430528	6540326	348	13:04:30	13:21:27	00:16:57	100
34	430528	6540326	349	13:04:52	13:21:55	00:17:03	100
34	430528	6540326	350	13:05:16	13:22:09	00:16:52	100
34	430528	6540326	351	13:05:42	13:22:33	00:16:52	100
34	430528	6540326	352	13:06:08	13:23:06	00:16:58	100
34	430528	6540326	353	13:06:36	13:23:38	00:17:02	100
34	430528	6540326	354	13:07:04	13:24:09	00:17:05	100
34	430528	6540326	355	13:07:33	13:24:40	00:17:06	100
34	430528	6540326	356	13:08:03	13:25:09	00:17:06	100
34	430528	6540326	357	13:08:34	13:25:39	00:17:05	100
34	430528	6540326	358	13:09:05	13:26:07	00:17:01	100
34	430528	6540326	359	13:09:38	13:26:34	00:16:57	100
34	430528	6540326	360	13:10:11	13:27:01	00:16:50	100
34	430528	6540326	361	13:10:44	13:27:35	00:16:51	100
34	430528	6540326	362	13:11:19	13:28:27	00:17:07	100
34	430528	6540326	363	13:11:55	13:28:49	00:16:54	100
34	430528	6540326	364	13:12:32	13:29:10	00:16:38	100
34	430528	6540326	365	13:13:11	13:29:29	00:16:18	100
40	432475	6541237	56	07:44:44	07:48:41	00:03:57	100
40	432475	6541237	57	07:33:39	07:48:59	00:15:21	100
40	432475	6541237	58	07:27:37	07:49:03	00:21:27	100
40	432475	6541237	59	07:27:24	07:48:53	00:21:30	100
40	432475	6541237	60	07:27:24	07:48:29	00:21:06	100
40	432475	6541237	61	07:27:37	07:47:50	00:20:13	100
40	432475	6541237	62	07:28:07	07:46:54	00:18:47	100
40	432475	6541237	63	07:28:57	07:45:37	00:16:40	100
40	432475	6541237	64	07:30:17	07:43:46	00:13:29	100
40	432475	6541237	65	07:32:41	07:40:44	00:08:03	36.95
40	432475	6541237	280	07:11:24	07:15:09	00:03:45	7.91
40	432475	6541237	281	07:07:16	07:18:58	00:11:42	79.55
40	432475	6541237	282	07:05:08	07:20:37	00:15:29	100
40	432475	6541237	283	07:03:39	07:21:36	00:17:58	100
40	432475	6541237	284	07:02:33	07:22:12	00:19:39	100
40	432475	6541237	285	07:01:45	07:22:30	00:20:45	100
40	432475	6541237	286	07:01:12	07:22:34	00:21:22	100
40	432475	6541237	287	07:00:54	07:22:26	00:21:32	100
40	432475	6541237	288	07:01:02	07:22:05	00:21:03	100
40	432475	6541237	289	07:11:31	07:21:31	00:10:01	100
42	431745	6540723	1	10:06:41	10:11:49	00:05:08	100
42	431745	6540723	2	10:04:43	10:12:10	00:07:27	100
42	431745	6540723	3	10:02:32	10:12:30	00:09:59	100
42	431745	6540723	4	10:00:06	10:12:48	00:12:42	100
42	431745	6540723	5	09:57:25	10:13:03	00:15:39	100
42	431745	6540723	6	09:54:28	10:13:16	00:18:47	100
42	431745	6540723	7	09:51:43	10:13:25	00:21:42	100
42	431745	6540723	8	09:52:18	10:13:30	00:21:12	100
42	431745	6540723	9	09:53:07	10:13:31	00:20:24	100
42	431745	6540723	10	09:53:59	10:13:27	00:19:27	100
42	431745	6540723	11	09:54:58	10:13:16	00:18:18	100
42	431745	6540723	12	09:56:02	10:12:56	00:16:54	100
42	431745	6540723	13	09:57:16	10:12:26	00:15:10	100
42	431745	6540723	14	09:58:44	10:11:40	00:12:56	77.79
42	431745	6540723	15	10:00:36	10:10:25	00:09:49	43.2
42	431745	6540723	16	10:03:41	10:07:37	00:03:56	7.33
42	431745	6540723	330	09:40:17	09:46:13	00:05:56	16.06
42	431745	6540723	331	09:38:24	09:49:04	00:10:40	51.3
42	431745	6540723	332	09:37:21	09:50:51	00:13:30	85.29
42	431745	6540723	333	09:36:40	09:52:16	00:15:35	100
42	431745	6540723	334	09:36:13	09:53:27	00:17:14	100
42	431745	6540723	335	09:35:55	09:54:29	00:18:34	100
42	431745	6540723	336	09:35:45	09:55:25	00:19:40	100
42	431745	6540723	337	09:35:41	09:56:16	00:20:35	100
42	431745	6540723	338	09:35:42	09:57:03	00:21:21	100
42	431745	6540723	339	09:36:13	09:57:47	00:21:34	100
42	431745	6540723	340	09:40:13	09:58:28	00:18:15	100
42	431745	6540723	341	09:43:59	09:59:07	00:15:08	100
42	431745	6540723	342	09:47:30	09:59:44	00:12:14	100
42	431745	6540723	343	09:50:48	10:00:20	00:09:33	100
42	431745	6540723	344	09:53:51	10:00:55	00:07:04	100
42	431745	6540723	345	09:56:42	10:01:28	00:04:47	100
42	431745	6540723	346	09:59:19	10:02:01	00:02:43	100
42	431745	6540723	347	10:01:43	10:01:54	00:00:11	100
42	431745	6540723	364	10:10:12	10:10:15	00:00:03	100
42	431745	6540723	365	10:08:46	10:11:19	00:02:34	100
House	Easting	Northing					
38	432095	6542263					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
40	432475	6541237	43	10:21:29	10:31:08	00:09:39	100
40	432475	6541237	44	10:05:20	10:30:53	00:25:33	100

40	432475	6541237	45	10:05:27	10:30:27	00:24:59	100
40	432475	6541237	46	10:05:58	10:29:50	00:23:52	100
40	432475	6541237	47	10:06:41	10:28:59	00:22:17	100
40	432475	6541237	48	10:07:40	10:27:50	00:20:11	100
40	432475	6541237	49	10:08:59	10:26:18	00:17:18	100
40	432475	6541237	50	10:10:57	10:24:05	00:13:09	77.81
40	432475	6541237	51	10:14:49	10:19:25	00:04:36	9.91
40	432475	6541237	295	09:42:47	09:53:37	00:10:50	50.9
40	432475	6541237	296	09:40:12	09:56:02	00:15:50	100
40	432475	6541237	297	09:38:27	09:57:33	00:19:06	100
40	432475	6541237	298	09:37:10	09:58:38	00:21:28	100
40	432475	6541237	299	09:36:11	09:59:25	00:23:14	100
40	432475	6541237	300	09:35:26	09:59:58	00:24:32	100
40	432475	6541237	301	09:34:54	10:00:21	00:25:28	100
40	432475	6541237	302	09:43:13	10:00:35	00:17:22	100
40	432475	6541237	303	09:58:54	09:59:56	00:01:02	100
41	433247	6541190	52	08:33:31	08:38:57	00:05:25	100
41	433247	6541190	53	08:22:31	08:38:29	00:15:58	100
41	433247	6541190	54	08:20:48	08:37:43	00:16:55	100
41	433247	6541190	55	08:21:36	08:36:36	00:15:00	100
41	433247	6541190	56	08:22:54	08:34:57	00:12:02	98.71
41	433247	6541190	57	08:25:20	08:31:59	00:06:38	28.02
41	433247	6541190	289	07:56:26	08:06:30	00:10:04	65.78
41	433247	6541190	290	07:54:24	08:08:11	00:13:47	100
41	433247	6541190	291	07:53:04	08:09:10	00:16:06	100
41	433247	6541190	292	07:52:22	08:09:45	00:17:22	100
41	433247	6541190	293	07:59:09	08:10:02	00:10:53	100
41	433247	6541190	294	08:09:23	08:10:05	00:00:43	100
House	Eastings	Northings					
40	434595	6541444					
Turbine	Eastings	Northings	Day	Start Time	End Time	Duration	% Cover
39	433440	6540759	72	15:13:33	15:26:41	00:13:08	100
39	433440	6540759	73	15:13:48	15:30:58	00:17:09	100
39	433440	6540759	74	15:14:59	15:29:15	00:14:16	100
39	433440	6540759	75	15:17:00	15:26:40	00:09:39	55.14
39	433440	6540759	269	15:02:17	15:06:45	00:04:27	11.32
39	433440	6540759	270	14:58:20	15:10:08	00:11:48	84.16
39	433440	6540759	271	14:56:07	15:11:39	00:15:32	100
39	433440	6540759	272	14:54:33	15:12:31	00:17:58	100
39	433440	6540759	273	14:53:50	14:54:25	00:00:34	100
House	Eastings	Northings					
42	429130	6540846					
Turbine	Eastings	Northings	Day	Start Time	End Time	Duration	% Cover
34	430528	6540326	73	07:03:10	07:10:30	00:07:19	34.55
34	430528	6540326	74	07:00:17	07:12:50	00:12:33	100
34	430528	6540326	75	06:58:29	07:14:01	00:15:33	100
34	430528	6540326	76	06:57:13	07:14:41	00:17:28	100
34	430528	6540326	77	06:56:19	07:14:59	00:18:40	100
34	430528	6540326	78	06:55:43	07:14:59	00:19:16	100
34	430528	6540326	79	06:55:23	07:14:42	00:19:20	100
34	430528	6540326	80	06:55:18	07:14:10	00:18:51	100
34	430528	6540326	81	06:55:31	07:13:20	00:17:49	100
34	430528	6540326	82	06:56:04	07:12:09	00:16:05	100
34	430528	6540326	83	06:57:06	07:10:30	00:13:24	100
34	430528	6540326	84	06:59:01	07:07:55	00:08:54	49.42
34	430528	6540326	261	06:47:44	06:55:36	00:07:53	37.82
34	430528	6540326	262	06:44:56	06:57:45	00:12:49	100
34	430528	6540326	263	06:43:10	06:58:51	00:15:41	100
34	430528	6540326	264	06:41:54	06:59:26	00:17:32	100
34	430528	6540326	265	06:40:58	06:59:40	00:18:42	100
34	430528	6540326	266	06:40:20	06:59:37	00:19:17	100
34	430528	6540326	267	06:39:57	06:59:18	00:19:21	100
34	430528	6540326	268	06:39:50	06:58:44	00:18:54	100
34	430528	6540326	269	06:40:01	06:57:54	00:17:53	100
34	430528	6540326	270	06:40:31	06:56:44	00:16:13	100
34	430528	6540326	271	06:41:29	06:55:07	00:13:38	100
34	430528	6540326	272	06:43:16	06:52:42	00:09:26	58.24
House	Eastings	Northings					
43	428953	6540976					
Turbine	Eastings	Northings	Day	Start Time	End Time	Duration	% Cover
34	430528	6540326	68	07:09:36	07:15:24	00:05:48	23.67
34	430528	6540326	69	07:06:37	07:17:52	00:11:16	97.59
34	430528	6540326	70	07:04:52	07:19:02	00:14:10	100
34	430528	6540326	71	07:03:43	07:19:38	00:15:56	100
34	430528	6540326	72	07:02:56	07:19:52	00:16:56	100
34	430528	6540326	73	07:02:27	07:19:45	00:17:18	100
34	430528	6540326	74	07:02:17	07:19:21	00:17:05	100
34	430528	6540326	75	07:02:24	07:18:38	00:16:14	100
34	430528	6540326	76	07:02:53	07:17:33	00:14:40	100
34	430528	6540326	77	07:03:52	07:15:57	00:12:05	100

34	430528	6540326	78	07:05:50	07:13:19	00:07:29	39.22
34	430528	6540326	267	06:51:03	06:56:38	00:05:35	21.48
34	430528	6540326	268	06:47:58	06:59:11	00:11:13	94.31
34	430528	6540326	269	06:46:11	07:00:18	00:14:07	100
34	430528	6540326	270	06:44:58	07:00:51	00:15:53	100
34	430528	6540326	271	06:44:08	07:01:02	00:16:55	100
34	430528	6540326	272	06:43:36	07:00:55	00:17:19	100
34	430528	6540326	273	06:43:22	07:00:30	00:17:08	100
34	430528	6540326	274	06:43:26	06:59:48	00:16:22	100
34	430528	6540326	275	06:43:51	06:58:46	00:14:55	100
34	430528	6540326	276	06:44:44	06:57:17	00:12:32	100
34	430528	6540326	277	06:46:29	06:54:59	00:08:30	52.25
House 44	Easting 428923	Northing 6541103					
Turbine 34	Easting 430528	Northing 6540326	Day 62	Start Time 07:19:36	End Time 07:27:52	Duration 00:08:16	% Cover 50.62
34	430528	6540326	63	07:17:21	07:29:36	00:12:15	100
34	430528	6540326	64	07:15:57	07:30:31	00:14:34	100
34	430528	6540326	65	07:15:01	07:30:58	00:15:57	100
34	430528	6540326	66	07:14:26	07:31:03	00:16:37	100
34	430528	6540326	67	07:14:09	07:30:50	00:16:42	100
34	430528	6540326	68	07:14:09	07:30:19	00:16:09	100
34	430528	6540326	69	07:14:30	07:29:26	00:14:56	100
34	430528	6540326	70	07:15:16	07:28:07	00:12:51	100
34	430528	6540326	71	07:16:45	07:26:02	00:09:17	65.16
34	430528	6540326	274	06:57:35	07:05:05	00:07:29	40.78
34	430528	6540326	275	06:55:07	07:06:59	00:11:52	100
34	430528	6540326	276	06:53:36	07:07:55	00:14:19	100
34	430528	6540326	277	06:52:33	07:08:22	00:15:48	100
34	430528	6540326	278	06:51:53	07:08:27	00:16:34	100
34	430528	6540326	279	06:51:30	07:08:14	00:16:44	100
34	430528	6540326	280	06:51:26	07:07:45	00:16:19	100
34	430528	6540326	281	06:51:40	07:06:57	00:15:16	100
34	430528	6540326	282	06:52:19	07:05:46	00:13:27	100
34	430528	6540326	283	06:53:35	07:04:02	00:10:27	84.12
34	430528	6540326	284	06:56:21	07:00:46	00:04:24	13.18
House 45	Easting 428731	Northing 6541218					
There are no shadows cast on this window							
House 46	Easting 428622	Northing 6541108					
There are no shadows cast on this window							
House 47	Easting 428903	Northing 6540858					
Turbine 34	Easting 430528	Northing 6540326	Day 74	Start Time 06:51:48	End Time 07:00:47	Duration 00:08:59	% Cover 60.75
34	430528	6540326	75	06:49:34	07:02:24	00:12:50	100
34	430528	6540326	76	06:48:08	07:03:13	00:15:05	100
34	430528	6540326	77	06:47:09	07:03:36	00:16:26	100
34	430528	6540326	78	06:46:31	07:03:38	00:17:06	100
34	430528	6540326	79	06:46:12	07:03:21	00:17:09	100
34	430528	6540326	80	06:46:10	07:02:46	00:16:37	100
34	430528	6540326	81	06:46:27	07:01:51	00:15:24	100
34	430528	6540326	82	06:47:10	07:00:31	00:13:21	100
34	430528	6540326	83	06:48:34	06:58:29	00:09:55	72.27
34	430528	6540326	262	06:36:33	06:45:35	00:09:02	58.32
34	430528	6540326	263	06:34:20	06:47:09	00:12:49	100
34	430528	6540326	264	06:32:52	06:47:55	00:15:03	100
34	430528	6540326	265	06:31:51	06:48:15	00:16:25	100
34	430528	6540326	266	06:31:09	06:48:15	00:17:06	100
34	430528	6540326	267	06:30:46	06:47:57	00:17:11	100
34	430528	6540326	268	06:30:40	06:47:22	00:16:42	100
34	430528	6540326	269	06:30:54	06:46:28	00:15:35	100
34	430528	6540326	270	06:31:31	06:45:11	00:13:39	100
34	430528	6540326	271	06:32:47	06:43:17	00:10:30	84.22
34	430528	6540326	272	06:35:41	06:39:43	00:04:02	11.43
House 48	Easting 428757	Northing 6540816					
There are no shadows cast on this window							
House 49	Easting 428779	Northing 6540922					
There are no shadows cast on this window							
House 50	Easting 428877	Northing 6540747					
Turbine 34	Easting 430528	Northing 6540326	Day 78	Start Time 06:41:06	End Time 06:43:09	Duration 00:02:03	% Cover 2.94

34	430528	6540326	79	06:36:47	06:46:50	00:10:03	77.38
34	430528	6540326	80	06:34:46	06:48:11	00:13:25	100
34	430528	6540326	81	06:33:27	06:48:54	00:15:27	100
34	430528	6540326	82	06:32:32	06:49:11	00:16:39	100
34	430528	6540326	83	06:31:57	06:49:09	00:17:12	100
34	430528	6540326	84	06:31:40	06:48:49	00:17:08	100
34	430528	6540326	85	06:31:42	06:48:11	00:16:29	100
34	430528	6540326	86	06:32:03	06:47:12	00:15:09	100
34	430528	6540326	87	06:32:50	06:45:47	00:12:57	100
34	430528	6540326	88	06:34:23	06:43:37	00:09:14	61.12
34	430528	6540326	257	06:25:33	06:34:08	00:08:35	51.7
34	430528	6540326	258	06:23:13	06:35:46	00:12:33	100
34	430528	6540326	259	06:21:42	06:36:35	00:14:53	100
34	430528	6540326	260	06:20:38	06:36:57	00:16:19	100
34	430528	6540326	261	06:19:54	06:36:59	00:17:05	100
34	430528	6540326	262	06:19:28	06:36:43	00:17:15	100
34	430528	6540326	263	06:19:19	06:36:10	00:16:50	100
34	430528	6540326	264	06:19:29	06:35:18	00:15:49	100
34	430528	6540326	265	06:20:02	06:34:04	00:14:02	100
34	430528	6540326	266	06:21:08	06:32:18	00:11:09	96.7
34	430528	6540326	267	06:23:30	06:29:18	00:05:48	23.91
House	Easting	Northing					
51	428904	6540717					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
34	430528	6540326	80	06:36:49	06:42:35	00:05:47	23.5
34	430528	6540326	81	06:33:44	06:45:00	00:11:16	97.81
34	430528	6540326	82	06:31:56	06:46:09	00:14:13	100
34	430528	6540326	83	06:30:43	06:46:45	00:16:02	100
34	430528	6540326	84	06:29:52	06:46:58	00:17:05	100
34	430528	6540326	85	06:29:21	06:46:52	00:17:31	100
34	430528	6540326	86	06:29:07	06:46:29	00:17:22	100
34	430528	6540326	87	06:29:11	06:45:48	00:16:37	100
34	430528	6540326	88	06:29:35	06:44:47	00:15:12	100
34	430528	6540326	89	06:30:26	06:43:19	00:12:53	100
34	430528	6540326	90	06:32:04	06:41:03	00:08:59	56.32
34	430528	6540326	255	06:24:28	06:32:57	00:08:28	49.06
34	430528	6540326	256	06:22:06	06:34:39	00:12:34	100
34	430528	6540326	257	06:20:32	06:35:31	00:14:58	100
34	430528	6540326	258	06:19:26	06:35:54	00:16:28	100
34	430528	6540326	259	06:18:40	06:35:58	00:17:18	100
34	430528	6540326	260	06:18:11	06:35:44	00:17:33	100
34	430528	6540326	261	06:17:59	06:35:14	00:17:14	100
34	430528	6540326	262	06:18:06	06:34:25	00:16:20	100
34	430528	6540326	263	06:18:33	06:33:16	00:14:43	100
34	430528	6540326	264	06:19:31	06:31:39	00:12:08	100
34	430528	6540326	265	06:21:25	06:29:06	00:07:41	42.32
House	Easting	Northing					
52	428924	6540720					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
34	430528	6540326	80	06:37:36	06:44:08	00:06:32	30.04
34	430528	6540326	81	06:34:42	06:46:22	00:11:39	100
34	430528	6540326	82	06:32:57	06:47:27	00:14:30	100
34	430528	6540326	83	06:31:46	06:48:02	00:16:16	100
34	430528	6540326	84	06:30:57	06:48:14	00:17:17	100
34	430528	6540326	85	06:30:26	06:48:07	00:17:41	100
34	430528	6540326	86	06:30:13	06:47:44	00:17:31	100
34	430528	6540326	87	06:30:17	06:47:02	00:16:46	100
34	430528	6540326	88	06:30:41	06:46:01	00:15:20	100
34	430528	6540326	89	06:31:32	06:44:33	00:13:01	100
34	430528	6540326	90	06:33:10	06:42:18	00:09:08	57.6
34	430528	6540326	255	06:25:34	06:34:12	00:08:38	50.45
34	430528	6540326	256	06:23:12	06:35:53	00:12:42	100
34	430528	6540326	257	06:21:38	06:36:45	00:15:06	100
34	430528	6540326	258	06:20:32	06:37:09	00:16:37	100
34	430528	6540326	259	06:19:46	06:37:13	00:17:27	100
34	430528	6540326	260	06:19:16	06:36:59	00:17:43	100
34	430528	6540326	261	06:19:04	06:36:29	00:17:25	100
34	430528	6540326	262	06:19:09	06:35:42	00:16:33	100
34	430528	6540326	263	06:19:35	06:34:34	00:14:59	100
34	430528	6540326	264	06:20:30	06:32:59	00:12:29	100
34	430528	6540326	265	06:22:18	06:30:33	00:08:15	48.68
House	Easting	Northing					
53	429351	6540809					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
34	430528	6540326	80	07:04:59	07:26:21	00:21:21	100
34	430528	6540326	81	07:04:15	07:26:25	00:22:10	100
34	430528	6540326	82	07:03:58	07:26:04	00:22:06	100
34	430528	6540326	83	07:03:56	07:25:30	00:21:34	100
34	430528	6540326	84	07:04:08	07:24:40	00:20:32	100
34	430528	6540326	85	07:04:38	07:23:33	00:18:55	100

34	430528	6540326	86	07:05:31	07:22:03	00:16:32	100
34	430528	6540326	87	07:06:58	07:19:57	00:12:59	95.12
34	430528	6540326	88	07:09:50	07:16:21	00:06:30	21.81
34	430528	6540326	257	07:01:07	07:06:44	00:05:37	16.09
34	430528	6540326	258	06:57:21	07:09:56	00:12:35	87.7
34	430528	6540326	259	06:55:11	07:11:25	00:16:14	100
34	430528	6540326	260	06:53:37	07:12:18	00:18:40	100
34	430528	6540326	261	06:52:26	07:12:47	00:20:21	100
34	430528	6540326	262	06:51:32	07:12:59	00:21:27	100
34	430528	6540326	263	06:50:53	07:12:56	00:22:03	100
34	430528	6540326	264	06:50:27	07:12:40	00:22:12	100
34	430528	6540326	265	06:50:15	07:12:10	00:21:55	100
House	Easting	Northing					
54	429400	6540784					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
34	430528	6540326	84	07:03:21	07:26:06	00:22:45	100
34	430528	6540326	85	07:03:26	07:25:25	00:21:59	100
34	430528	6540326	86	07:03:45	07:24:28	00:20:43	100
34	430528	6540326	87	07:04:23	07:23:13	00:18:50	100
34	430528	6540326	88	07:05:25	07:21:33	00:16:08	100
34	430528	6540326	89	07:07:08	07:19:11	00:12:03	76.32
34	430528	6540326	90	07:11:23	07:13:58	00:02:35	3.48
34	430528	6540326	255	07:04:31	07:05:10	00:00:39	0.22
34	430528	6540326	256	06:58:48	07:10:32	00:11:44	71.37
34	430528	6540326	257	06:56:23	07:12:16	00:15:53	100
34	430528	6540326	258	06:54:40	07:13:18	00:18:38	100
34	430528	6540326	259	06:53:21	07:13:55	00:20:33	100
34	430528	6540326	260	06:52:21	07:14:13	00:21:52	100
34	430528	6540326	261	06:51:35	07:14:16	00:22:41	100
House	Easting	Northing					
55	429319	6540418					
There are no shadows cast on this window							
House	Easting	Northing					
56	429386	6540388					
There are no shadows cast on this window							
House	Easting	Northing					
57	429275	6540272					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
34	430528	6540326	116	05:30:44	05:35:37	00:04:52	100
34	430528	6540326	117	05:31:00	05:40:49	00:09:49	100
34	430528	6540326	118	05:31:28	05:45:43	00:14:15	100
34	430528	6540326	119	05:32:09	05:50:20	00:18:11	100
34	430528	6540326	120	05:33:08	05:49:27	00:16:19	100
34	430528	6540326	121	05:34:31	05:47:51	00:13:20	95.21
34	430528	6540326	122	05:36:44	05:45:30	00:08:46	39.26
34	430528	6540326	223	05:44:14	05:54:31	00:10:17	54.27
34	430528	6540326	224	05:42:03	05:56:16	00:14:13	100
34	430528	6540326	225	05:40:30	05:57:26	00:16:56	100
34	430528	6540326	226	05:39:18	05:56:41	00:17:23	100
34	430528	6540326	227	05:38:20	05:51:42	00:13:22	100
34	430528	6540326	228	05:37:34	05:46:26	00:08:52	100
34	430528	6540326	229	05:36:58	05:40:50	00:03:52	100
House	Easting	Northing					
58	429232	6540263					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
34	430528	6540326	113	05:29:32	05:30:34	00:01:02	100
34	430528	6540326	114	05:29:20	05:36:29	00:07:09	100
34	430528	6540326	115	05:29:18	05:42:01	00:12:43	100
34	430528	6540326	116	05:29:27	05:47:13	00:17:46	100
34	430528	6540326	117	05:29:48	05:50:02	00:20:14	100
34	430528	6540326	118	05:30:22	05:49:12	00:18:50	100
34	430528	6540326	119	05:31:11	05:48:07	00:16:56	100
34	430528	6540326	120	05:32:22	05:46:43	00:14:21	100
34	430528	6540326	121	05:34:09	05:44:45	00:10:36	60.23
34	430528	6540326	122	05:37:54	05:40:49	00:02:55	4.3
34	430528	6540326	223	05:44:33	05:50:42	00:06:09	19.36
34	430528	6540326	224	05:41:33	05:53:18	00:11:45	74.5
34	430528	6540326	225	05:39:41	05:54:45	00:15:04	100
34	430528	6540326	226	05:38:18	05:55:44	00:17:26	100
34	430528	6540326	227	05:37:13	05:56:24	00:19:11	100
34	430528	6540326	228	05:36:21	05:56:48	00:20:27	100
34	430528	6540326	229	05:35:41	05:52:35	00:16:54	100
34	430528	6540326	230	05:35:11	05:46:59	00:11:48	100
34	430528	6540326	231	05:34:50	05:41:01	00:06:11	100
House	Easting	Northing					
59	429358	6540220					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover

34	430528	6540326	122	05:20:56	05:25:15	00:04:19	100
34	430528	6540326	123	05:21:15	05:29:31	00:08:15	100
34	430528	6540326	124	05:21:44	05:33:32	00:11:48	100
34	430528	6540326	125	05:22:24	05:37:22	00:14:58	100
34	430528	6540326	126	05:23:16	05:40:59	00:17:42	100
34	430528	6540326	127	05:24:26	05:40:13	00:15:47	100
34	430528	6540326	128	05:26:00	05:38:35	00:12:34	77.39
34	430528	6540326	129	05:28:25	05:36:06	00:07:41	27.43
34	430528	6540326	216	05:37:07	05:46:48	00:09:42	44.22
34	430528	6540326	217	05:34:58	05:48:44	00:13:45	93.72
34	430528	6540326	218	05:33:23	05:50:02	00:16:39	100
34	430528	6540326	219	05:32:09	05:49:07	00:16:58	100
34	430528	6540326	220	05:31:08	05:45:16	00:14:07	100
34	430528	6540326	221	05:30:19	05:41:11	00:10:52	100
34	430528	6540326	222	05:29:39	05:36:53	00:07:14	100
34	430528	6540326	223	05:29:06	05:32:20	00:03:14	100
House 60	Easting 429190	Northring 6540232					
Turbine 34	Easting 430528	Northring 6540326	Day 112	Start Time 05:25:28	End Time 05:31:56	Duration 00:06:28	% Cover 100
34	430528	6540326	113	05:24:55	05:37:54	00:12:59	100
34	430528	6540326	114	05:24:33	05:43:29	00:18:56	100
34	430528	6540326	115	05:24:23	05:45:58	00:21:35	100
34	430528	6540326	116	05:24:23	05:45:37	00:21:13	100
34	430528	6540326	117	05:24:35	05:45:05	00:20:30	100
34	430528	6540326	118	05:24:58	05:44:25	00:19:27	100
34	430528	6540326	119	05:25:34	05:43:32	00:17:58	100
34	430528	6540326	120	05:26:28	05:42:25	00:15:57	100
34	430528	6540326	121	05:27:45	05:40:55	00:13:11	100
34	430528	6540326	122	05:29:45	05:38:45	00:09:00	44.14
34	430528	6540326	222	05:41:16	05:44:07	00:02:51	4.22
34	430528	6540326	223	05:37:21	05:47:41	00:10:20	58.59
34	430528	6540326	224	05:35:19	05:49:18	00:13:59	100
34	430528	6540326	225	05:33:52	05:50:22	00:16:30	100
34	430528	6540326	226	05:32:44	05:51:06	00:18:21	100
34	430528	6540326	227	05:31:51	05:51:34	00:19:43	100
34	430528	6540326	228	05:31:10	05:51:51	00:20:41	100
34	430528	6540326	229	05:30:38	05:51:58	00:21:20	100
34	430528	6540326	230	05:30:17	05:51:55	00:21:38	100
34	430528	6540326	231	05:30:05	05:48:10	00:18:05	100
34	430528	6540326	232	05:30:02	05:42:09	00:12:07	100
34	430528	6540326	233	05:30:11	05:35:44	00:05:34	100
House 61	Easting 428820	Northring 6539808					
Turbine 34	Easting 430528	Northring 6540326	Day 128	Start Time 04:34:37	End Time 04:36:56	Duration 00:02:19	% Cover 100
34	430528	6540326	129	04:34:32	04:40:26	00:05:54	100
34	430528	6540326	130	04:34:36	04:43:45	00:09:09	100
34	430528	6540326	131	04:34:49	04:46:55	00:12:06	100
34	430528	6540326	132	04:35:12	04:49:55	00:14:43	100
34	430528	6540326	133	04:35:46	04:50:15	00:14:29	100
34	430528	6540326	134	04:36:32	04:49:25	00:12:53	100
34	430528	6540326	135	04:37:36	04:48:23	00:10:47	83.13
34	430528	6540326	136	04:39:10	04:46:52	00:07:42	39.8
34	430528	6540326	208	04:51:04	04:55:23	00:04:19	11.98
34	430528	6540326	209	04:48:45	04:57:39	00:08:55	54.11
34	430528	6540326	210	04:47:23	04:58:57	00:11:33	97.22
34	430528	6540326	211	04:46:24	04:59:51	00:13:27	100
34	430528	6540326	212	04:45:39	05:00:33	00:14:54	100
34	430528	6540326	213	04:45:05	04:59:06	00:14:01	100
34	430528	6540326	214	04:44:39	04:55:58	00:11:19	100
34	430528	6540326	215	04:44:22	04:52:40	00:08:18	100
34	430528	6540326	216	04:44:13	04:49:11	00:04:58	100
34	430528	6540326	217	04:44:11	04:45:30	00:01:19	100
House 63	Easting 429331	Northring 6532738					
There are no shadows cast on this window							
House 64	Easting 429613	Northring 6532792					
There are no shadows cast on this window							
House 65	Easting 432638	Northring 6537367					
Turbine 17	Easting 433058	Northring 6536591	Day 53	Start Time 09:52:33	End Time 09:57:43	Duration 00:05:11	% Cover 100
17	433058	6536591	54	09:35:36	09:56:08	00:20:32	100
17	433058	6536591	55	09:36:09	09:54:02	00:17:54	100
17	433058	6536591	56	09:38:49	09:50:52	00:12:04	52.92
17	433058	6536591	289	09:12:56	09:21:41	00:08:45	27.63

17	433058	6536591	290	09:09:15	09:25:20	00:16:05	96.62
17	433058	6536591	291	09:07:23	09:27:20	00:19:57	100
17	433058	6536591	292	09:17:06	09:28:45	00:11:39	100
18	433730	6536591	54	08:03:05	08:09:04	00:05:59	100
18	433730	6536591	55	07:52:50	08:10:14	00:17:24	100
18	433730	6536591	56	07:51:36	08:10:59	00:19:24	100
18	433730	6536591	57	07:50:48	08:11:26	00:20:39	100
18	433730	6536591	58	07:50:14	08:11:38	00:21:23	100
18	433730	6536591	59	07:49:54	08:11:35	00:21:41	100
18	433730	6536591	60	07:49:46	08:11:18	00:21:31	100
18	433730	6536591	61	07:49:52	08:10:47	00:20:55	100
18	433730	6536591	62	07:50:13	08:10:00	00:19:48	100
18	433730	6536591	63	07:50:51	08:08:55	00:18:04	100
18	433730	6536591	64	07:51:52	08:07:24	00:15:32	100
18	433730	6536591	65	07:53:33	08:05:11	00:11:38	78.02
18	433730	6536591	66	07:57:33	08:00:25	00:02:52	4.61
18	433730	6536591	280	07:31:11	07:40:44	00:09:34	50.94
18	433730	6536591	281	07:28:36	07:42:52	00:14:17	100
18	433730	6536591	282	07:26:53	07:44:04	00:17:12	100
18	433730	6536591	283	07:25:38	07:44:48	00:19:11	100
18	433730	6536591	284	07:24:42	07:45:13	00:20:31	100
18	433730	6536591	285	07:24:03	07:45:23	00:21:20	100
18	433730	6536591	286	07:23:39	07:45:19	00:21:41	100
18	433730	6536591	287	07:23:27	07:45:03	00:21:36	100
18	433730	6536591	288	07:23:30	07:44:35	00:21:05	100
18	433730	6536591	289	07:23:47	07:43:53	00:20:06	100
18	433730	6536591	290	07:24:20	07:42:56	00:18:36	100
18	433730	6536591	291	07:29:15	07:41:40	00:12:25	100
18	433730	6536591	292	07:39:18	07:39:35	00:00:18	100
19	433641	6536836	65	07:35:05	07:38:55	00:03:50	6.8
19	433641	6536836	66	07:30:31	07:43:07	00:12:37	80.21
19	433641	6536836	67	07:28:06	07:44:59	00:16:53	100
19	433641	6536836	68	07:26:23	07:46:08	00:19:46	100
19	433641	6536836	69	07:25:05	07:46:54	00:21:48	100
19	433641	6536836	70	07:24:05	07:47:20	00:23:15	100
19	433641	6536836	71	07:23:21	07:47:32	00:24:11	100
19	433641	6536836	72	07:22:49	07:47:30	00:24:41	100
19	433641	6536836	73	07:22:29	07:47:15	00:24:45	100
19	433641	6536836	74	07:22:22	07:46:47	00:24:25	100
19	433641	6536836	75	07:22:28	07:46:06	00:23:39	100
19	433641	6536836	76	07:22:47	07:45:11	00:22:24	100
19	433641	6536836	77	07:23:23	07:43:58	00:20:35	100
19	433641	6536836	78	07:24:21	07:42:23	00:18:02	100
19	433641	6536836	79	07:25:53	07:40:13	00:14:20	100
19	433641	6536836	80	07:28:41	07:36:38	00:07:57	30
19	433641	6536836	265	07:15:13	07:21:10	00:05:57	16.92
19	433641	6536836	266	07:11:16	07:24:43	00:13:26	89.65
19	433641	6536836	267	07:08:58	07:26:22	00:17:24	100
19	433641	6536836	268	07:07:17	07:27:24	00:20:07	100
19	433641	6536836	269	07:05:59	07:28:02	00:22:03	100
19	433641	6536836	270	07:04:59	07:28:22	00:23:24	100
19	433641	6536836	271	07:04:13	07:28:29	00:24:16	100
19	433641	6536836	272	07:03:40	07:28:23	00:24:43	100
19	433641	6536836	273	07:03:19	07:28:05	00:24:45	100
19	433641	6536836	274	07:03:11	07:27:35	00:24:24	100
19	433641	6536836	275	07:03:15	07:26:52	00:23:37	100
19	433641	6536836	276	07:03:34	07:25:57	00:22:22	100
19	433641	6536836	277	07:04:10	07:24:45	00:20:35	100
19	433641	6536836	278	07:05:08	07:23:13	00:18:05	100
19	433641	6536836	279	07:06:40	07:21:10	00:14:30	100
19	433641	6536836	280	07:09:15	07:17:59	00:08:44	36.23
20	433937	6536427	54	08:01:43	08:09:59	00:08:16	100
20	433937	6536427	55	07:51:35	08:09:59	00:18:24	100
20	433937	6536427	56	07:51:19	08:09:44	00:18:25	100
20	433937	6536427	57	07:51:29	08:09:12	00:17:43	100
20	433937	6536427	58	07:51:57	08:08:22	00:16:24	100
20	433937	6536427	59	07:52:48	08:07:08	00:14:20	100
20	433937	6536427	60	07:54:13	08:05:16	00:11:02	83.76
20	433937	6536427	61	07:57:19	08:01:31	00:04:12	11.65
20	433937	6536427	285	07:29:29	07:38:20	00:08:52	51.63
20	433937	6536427	286	07:27:12	07:40:14	00:13:02	100
20	433937	6536427	287	07:25:43	07:41:16	00:15:33	100
20	433937	6536427	288	07:24:42	07:41:52	00:17:10	100
20	433937	6536427	289	07:23:59	07:42:09	00:18:09	100
20	433937	6536427	290	07:23:35	07:42:10	00:18:35	100
20	433937	6536427	291	07:27:52	07:41:57	00:14:05	100
20	433937	6536427	292	07:37:58	07:41:30	00:03:32	100
22	434320	6536860	78	06:38:55	06:54:40	00:15:45	100
22	434320	6536860	79	06:39:02	06:53:46	00:14:44	100
22	434320	6536860	80	06:39:53	06:52:18	00:12:25	100
22	434320	6536860	81	06:41:33	06:49:58	00:08:25	52.05
22	434320	6536860	264	06:28:29	06:35:30	00:07:02	35.16
22	434320	6536860	265	06:25:50	06:37:31	00:11:41	100

22	434320	6536860	266	06:24:13	06:38:28	00:14:15	100
22	434320	6536860	267	06:23:05	06:38:54	00:15:49	100
House	Easting	Northing					
66	432739	6537462					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
15	433246	6536140	29	10:14:12	10:20:29	00:06:17	100
15	433246	6536140	30	10:04:50	10:20:12	00:15:22	100
15	433246	6536140	31	10:01:13	10:19:43	00:18:30	100
15	433246	6536140	32	10:02:12	10:18:59	00:16:47	100
15	433246	6536140	33	10:03:29	10:17:55	00:14:26	100
15	433246	6536140	34	10:05:17	10:16:17	00:10:59	65.42
15	433246	6536140	35	10:08:40	10:12:39	00:03:59	8.83
15	433246	6536140	311	09:36:42	09:44:34	00:07:52	31.93
15	433246	6536140	312	09:34:29	09:47:02	00:12:33	87.24
15	433246	6536140	313	09:33:08	09:48:35	00:15:27	100
15	433246	6536140	314	09:32:12	09:49:42	00:17:30	100
15	433246	6536140	315	09:31:43	09:50:34	00:18:51	100
15	433246	6536140	316	09:39:02	09:51:15	00:12:13	100
15	433246	6536140	317	09:48:32	09:51:13	00:02:41	100
17	433058	6536591	30	10:12:14	10:23:26	00:11:12	42.72
17	433058	6536591	31	10:09:54	10:26:01	00:16:07	95.57
17	433058	6536591	32	10:08:19	10:27:52	00:19:33	100
17	433058	6536591	33	10:07:04	10:29:18	00:22:14	100
17	433058	6536591	34	10:06:05	10:30:29	00:24:24	100
17	433058	6536591	35	10:05:17	10:31:27	00:26:10	100
17	433058	6536591	36	10:04:38	10:32:14	00:27:36	100
17	433058	6536591	37	10:04:07	10:32:51	00:28:44	100
17	433058	6536591	38	10:03:44	10:33:20	00:29:36	100
17	433058	6536591	39	10:03:27	10:33:41	00:30:14	100
17	433058	6536591	40	10:03:17	10:33:54	00:30:37	100
17	433058	6536591	41	10:03:14	10:33:59	00:30:45	100
17	433058	6536591	42	10:03:16	10:33:56	00:30:39	100
17	433058	6536591	43	10:03:26	10:33:44	00:30:18	100
17	433058	6536591	44	10:03:43	10:33:24	00:29:41	100
17	433058	6536591	45	10:04:08	10:32:54	00:28:46	100
17	433058	6536591	46	10:04:42	10:32:13	00:27:31	100
17	433058	6536591	47	10:05:27	10:31:20	00:25:54	100
17	433058	6536591	48	10:06:25	10:30:13	00:23:48	100
17	433058	6536591	49	10:07:40	10:28:45	00:21:05	100
17	433058	6536591	50	10:09:23	10:26:48	00:17:25	100
17	433058	6536591	51	10:11:58	10:23:51	00:11:53	52.72
17	433058	6536591	294	09:44:31	09:53:04	00:08:33	26.69
17	433058	6536591	295	09:40:59	09:56:35	00:15:35	93.49
17	433058	6536591	296	09:38:48	09:58:33	00:19:45	100
17	433058	6536591	297	09:37:11	09:59:57	00:22:46	100
17	433058	6536591	298	09:35:55	10:00:59	00:25:04	100
17	433058	6536591	299	09:34:55	10:01:47	00:26:52	100
17	433058	6536591	300	09:34:08	10:02:24	00:28:15	100
17	433058	6536591	301	09:33:32	10:02:50	00:29:18	100
17	433058	6536591	302	09:33:06	10:03:09	00:30:03	100
17	433058	6536591	303	09:32:48	10:03:20	00:30:31	100
17	433058	6536591	304	09:32:39	10:03:24	00:30:45	100
17	433058	6536591	305	09:32:38	10:03:22	00:30:44	100
17	433058	6536591	306	09:32:45	10:03:13	00:30:28	100
17	433058	6536591	307	09:32:59	10:02:59	00:29:59	100
17	433058	6536591	308	09:33:22	10:02:38	00:29:16	100
17	433058	6536591	309	09:33:53	10:02:10	00:28:17	100
17	433058	6536591	310	09:34:33	10:01:35	00:27:02	100
17	433058	6536591	311	09:35:23	10:00:53	00:25:30	100
17	433058	6536591	312	09:36:25	10:00:01	00:23:36	100
17	433058	6536591	313	09:37:40	09:58:56	00:21:16	100
17	433058	6536591	314	09:39:14	09:57:36	00:18:22	100
17	433058	6536591	315	09:41:15	09:55:49	00:14:34	75.67
17	433058	6536591	316	09:44:24	09:53:00	00:08:36	23.97
18	433730	6536591	52	08:28:28	08:34:53	00:06:25	100
18	433730	6536591	53	08:17:43	08:35:12	00:17:28	100
18	433730	6536591	54	08:13:15	08:35:16	00:22:01	100
18	433730	6536591	55	08:13:05	08:35:08	00:22:02	100
18	433730	6536591	56	08:13:07	08:34:46	00:21:39	100
18	433730	6536591	57	08:13:22	08:34:10	00:20:48	100
18	433730	6536591	58	08:13:52	08:33:18	00:19:26	100
18	433730	6536591	59	08:14:41	08:32:06	00:17:25	100
18	433730	6536591	60	08:15:56	08:30:24	00:14:28	100
18	433730	6536591	61	08:18:03	08:27:45	00:09:42	51.69
18	433730	6536591	284	07:54:13	08:00:42	00:06:29	23.05
18	433730	6536591	285	07:50:56	08:03:46	00:12:51	93.71
18	433730	6536591	286	07:48:59	08:05:18	00:16:19	100
18	433730	6536591	287	07:47:36	08:06:15	00:18:39	100
18	433730	6536591	288	07:46:34	08:06:50	00:20:15	100
18	433730	6536591	289	07:45:50	08:07:09	00:21:19	100
18	433730	6536591	290	07:45:20	08:07:15	00:21:55	100
18	433730	6536591	291	07:45:03	08:07:09	00:22:06	100

18	433730	6536591	292	07:45:12	08:06:51	00:21:39	100
18	433730	6536591	293	07:54:09	08:06:22	00:12:14	100
18	433730	6536591	294	08:04:07	08:05:17	00:01:10	100
19	433641	6536836	60	07:59:59	08:08:21	00:08:22	31
19	433641	6536836	61	07:56:43	08:11:13	00:14:30	100
19	433641	6536836	62	07:54:35	08:12:50	00:18:16	100
19	433641	6536836	63	07:53:01	08:13:55	00:20:53	100
19	433641	6536836	64	07:51:50	08:14:37	00:22:47	100
19	433641	6536836	65	07:50:55	08:15:03	00:24:08	100
19	433641	6536836	66	07:50:14	08:15:15	00:25:01	100
19	433641	6536836	67	07:49:45	08:15:13	00:25:28	100
19	433641	6536836	68	07:49:28	08:14:59	00:25:32	100
19	433641	6536836	69	07:49:22	08:14:33	00:25:11	100
19	433641	6536836	70	07:49:28	08:13:54	00:24:26	100
19	433641	6536836	71	07:49:48	08:13:01	00:23:13	100
19	433641	6536836	72	07:50:23	08:11:51	00:21:28	100
19	433641	6536836	73	07:51:19	08:10:20	00:19:01	100
19	433641	6536836	74	07:52:45	08:08:18	00:15:33	100
19	433641	6536836	75	07:55:10	08:05:09	00:09:58	46.22
19	433641	6536836	270	07:38:28	07:46:36	00:08:08	30.27
19	433641	6536836	271	07:35:01	07:49:35	00:14:34	100
19	433641	6536836	272	07:32:50	07:51:09	00:18:19	100
19	433641	6536836	273	07:31:13	07:52:09	00:20:56	100
19	433641	6536836	274	07:29:58	07:52:47	00:22:49	100
19	433641	6536836	275	07:28:59	07:53:08	00:24:09	100
19	433641	6536836	276	07:28:14	07:53:16	00:25:01	100
19	433641	6536836	277	07:27:42	07:53:11	00:25:29	100
19	433641	6536836	278	07:27:23	07:52:55	00:25:33	100
19	433641	6536836	279	07:27:15	07:52:28	00:25:14	100
19	433641	6536836	280	07:27:19	07:51:50	00:24:31	100
19	433641	6536836	281	07:27:37	07:50:59	00:23:22	100
19	433641	6536836	282	07:28:10	07:49:54	00:21:44	100
19	433641	6536836	283	07:29:03	07:48:31	00:19:28	100
19	433641	6536836	284	07:30:24	07:46:42	00:16:18	100
19	433641	6536836	285	07:32:31	07:44:08	00:11:37	62.56
20	433937	6536427	53	08:20:45	08:29:02	00:08:18	100
20	433937	6536427	54	08:11:42	08:28:17	00:16:35	100
20	433937	6536427	55	08:12:15	08:27:09	00:14:55	100
20	433937	6536427	56	08:13:34	08:25:28	00:11:55	97.03
20	433937	6536427	57	08:16:03	08:22:27	00:06:24	26.35
20	433937	6536427	289	07:47:08	07:56:59	00:09:51	63.21
20	433937	6536427	290	07:45:05	07:58:42	00:13:38	100
20	433937	6536427	291	07:43:43	07:59:42	00:15:59	100
20	433937	6536427	292	07:46:33	08:00:18	00:13:44	100
20	433937	6536427	293	07:56:57	08:00:36	00:03:38	100

House	Easting	Northing					
68	434707	6538188					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
19	433641	6536836	47	14:02:04	14:07:13	00:05:09	100
19	433641	6536836	48	14:01:50	14:18:26	00:16:36	100
19	433641	6536836	49	14:01:50	14:19:09	00:17:19	100
19	433641	6536836	50	14:02:04	14:18:44	00:16:40	100
19	433641	6536836	51	14:02:35	14:18:01	00:15:26	100
19	433641	6536836	52	14:03:29	14:16:55	00:13:26	100
19	433641	6536836	53	14:04:59	14:15:13	00:10:13	74.39
19	433641	6536836	54	14:08:28	14:11:28	00:02:59	4.9
19	433641	6536836	291	13:40:30	13:43:08	00:02:39	3.64
19	433641	6536836	292	13:36:35	13:46:41	00:10:05	71.73
19	433641	6536836	293	13:34:46	13:48:06	00:13:20	100
19	433641	6536836	294	13:33:34	13:48:56	00:15:21	100
19	433641	6536836	295	13:32:47	13:49:23	00:16:37	100
19	433641	6536836	296	13:32:17	13:49:35	00:17:17	100
19	433641	6536836	297	13:32:03	13:49:32	00:17:28	100
19	433641	6536836	298	13:32:04	13:38:34	00:06:29	100
21	434469	6536480	30	12:01:16	12:19:07	00:17:51	100
21	434469	6536480	31	12:01:40	12:19:02	00:17:23	100
21	434469	6536480	32	12:02:13	12:18:46	00:16:33	100
21	434469	6536480	33	12:02:58	12:18:16	00:15:17	100
21	434469	6536480	34	12:04:00	12:17:27	00:13:27	100
21	434469	6536480	35	12:05:28	12:16:10	00:10:41	75.97
21	434469	6536480	36	12:08:03	12:13:43	00:05:40	18.45
21	434469	6536480	310	11:36:01	11:45:06	00:09:05	52
21	434469	6536480	311	11:34:24	11:46:49	00:12:25	100
21	434469	6536480	312	11:33:23	11:47:58	00:14:35	100
21	434469	6536480	313	11:32:44	11:48:47	00:16:03	100
21	434469	6536480	314	11:32:19	11:49:22	00:17:03	100
21	434469	6536480	315	11:32:06	11:49:47	00:17:41	100
21	434469	6536480	316	11:32:04	11:35:15	00:03:11	100
22	434320	6536860	35	12:38:36	12:46:38	00:08:02	33.06
22	434320	6536860	36	12:36:24	12:49:07	00:12:43	90.6
22	434320	6536860	37	12:35:02	12:50:40	00:15:38	100
22	434320	6536860	38	12:34:04	12:51:46	00:17:42	100

22	434320	6536860	39	12:33:22	12:52:34	00:19:12	100
22	434320	6536860	40	12:32:53	12:53:08	00:20:14	100
22	434320	6536860	41	12:32:35	12:53:28	00:20:53	100
22	434320	6536860	42	12:32:27	12:53:37	00:21:10	100
22	434320	6536860	43	12:32:30	12:53:35	00:21:05	100
22	434320	6536860	44	12:32:42	12:53:20	00:20:38	100
22	434320	6536860	45	12:33:07	12:52:52	00:19:45	100
22	434320	6536860	46	12:33:45	12:52:09	00:18:24	100
22	434320	6536860	47	12:34:40	12:51:07	00:16:27	100
22	434320	6536860	48	12:35:59	12:49:37	00:13:38	100
22	434320	6536860	49	12:38:12	12:47:14	00:09:03	43.43
22	434320	6536860	296	12:09:22	12:16:59	00:07:37	29.51
22	434320	6536860	297	12:06:38	12:19:29	00:12:51	95.22
22	434320	6536860	298	12:04:59	12:20:54	00:15:54	100
22	434320	6536860	299	12:03:50	12:21:50	00:18:00	100
22	434320	6536860	300	12:03:00	12:22:28	00:19:28	100
22	434320	6536860	301	12:02:25	12:22:52	00:20:27	100
22	434320	6536860	302	12:02:04	12:23:04	00:21:00	100
22	434320	6536860	303	12:01:54	12:23:06	00:21:11	100
22	434320	6536860	304	12:01:56	12:22:58	00:21:01	100
22	434320	6536860	305	12:02:10	12:22:39	00:20:30	100
22	434320	6536860	306	12:02:35	12:22:11	00:19:36	100
22	434320	6536860	307	12:03:14	12:21:30	00:18:17	100
22	434320	6536860	308	12:04:08	12:20:35	00:16:27	100
22	434320	6536860	309	12:05:24	12:19:19	00:13:55	100
22	434320	6536860	310	12:07:16	12:17:26	00:10:10	54.48
House	Easting	Northing					
69	435004	6540204					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
37	433350	6540202	102	16:55:52	16:59:11	00:03:19	7.02
37	433350	6540202	103	16:52:05	17:02:22	00:10:17	74.88
37	433350	6540202	104	16:50:14	17:03:43	00:13:29	100
37	433350	6540202	105	16:48:58	17:04:29	00:15:30	100
37	433350	6540202	106	16:48:06	17:04:53	00:16:48	100
37	433350	6540202	107	16:47:30	17:05:02	00:17:32	100
37	433350	6540202	108	16:47:09	17:04:57	00:17:48	100
37	433350	6540202	109	16:47:03	17:04:39	00:17:36	100
37	433350	6540202	110	16:47:11	17:04:06	00:16:56	100
37	433350	6540202	111	16:47:35	17:03:19	00:15:44	100
37	433350	6540202	112	16:48:19	17:02:14	00:13:55	100
37	433350	6540202	113	16:49:32	17:00:41	00:11:09	89.4
37	433350	6540202	114	16:51:43	16:58:11	00:06:28	27.91
37	433350	6540202	230	16:57:05	17:04:17	00:07:13	34.73
37	433350	6540202	231	16:54:41	17:06:11	00:11:30	95.11
37	433350	6540202	232	16:53:06	17:07:13	00:14:07	100
37	433350	6540202	233	16:51:59	17:07:50	00:15:52	100
37	433350	6540202	234	16:51:09	17:08:08	00:16:59	100
37	433350	6540202	235	16:50:33	17:08:11	00:17:38	100
37	433350	6540202	236	16:50:11	17:07:59	00:17:49	100
37	433350	6540202	237	16:50:02	17:07:35	00:17:33	100
37	433350	6540202	238	16:50:06	17:06:54	00:16:48	100
37	433350	6540202	239	16:50:27	17:05:59	00:15:32	100
37	433350	6540202	240	16:51:09	17:04:42	00:13:33	100
37	433350	6540202	241	16:52:24	17:02:51	00:10:27	76.87
37	433350	6540202	242	16:55:19	16:59:22	00:04:03	10.42
39	433440	6540759	138	17:55:26	18:02:27	00:07:01	30.61
39	433440	6540759	139	17:53:49	18:04:11	00:10:22	70.44
39	433440	6540759	140	17:52:47	18:05:22	00:12:35	100
39	433440	6540759	141	17:52:02	18:06:15	00:14:12	100
39	433440	6540759	142	17:51:30	18:06:59	00:15:29	100
39	433440	6540759	143	17:51:07	18:07:36	00:16:29	100
39	433440	6540759	144	17:50:51	18:08:05	00:17:14	100
39	433440	6540759	145	17:50:41	18:08:29	00:17:48	100
39	433440	6540759	146	17:50:36	18:08:49	00:18:13	100
39	433440	6540759	147	17:50:35	18:09:05	00:18:30	100
39	433440	6540759	148	17:50:38	18:09:18	00:18:40	100
39	433440	6540759	149	17:50:44	18:09:27	00:18:43	100
39	433440	6540759	150	17:50:54	18:09:35	00:18:41	100
39	433440	6540759	151	17:51:07	18:09:40	00:18:34	100
39	433440	6540759	152	17:51:22	18:09:44	00:18:22	100
39	433440	6540759	153	17:51:39	18:09:46	00:18:07	100
39	433440	6540759	154	17:51:59	18:09:46	00:17:48	100
39	433440	6540759	155	17:52:20	18:09:46	00:17:26	100
39	433440	6540759	156	17:52:43	18:09:44	00:17:01	100
39	433440	6540759	157	17:53:07	18:09:42	00:16:35	100
39	433440	6540759	158	17:53:32	18:09:39	00:16:06	100
39	433440	6540759	159	17:53:59	18:09:35	00:15:36	100
39	433440	6540759	160	17:54:26	18:09:31	00:15:06	100
39	433440	6540759	161	17:54:53	18:09:28	00:14:35	100
39	433440	6540759	162	17:55:21	18:09:24	00:14:04	100
39	433440	6540759	163	17:55:48	18:09:21	00:13:33	100
39	433440	6540759	164	17:56:16	18:09:19	00:13:03	100

39	433440	6540759	165	17:56:42	18:09:18	00:12:36	100
39	433440	6540759	166	17:57:08	18:09:18	00:12:10	94.12
39	433440	6540759	167	17:57:32	18:09:20	00:11:47	87.52
39	433440	6540759	168	17:57:55	18:09:23	00:11:28	82.19
39	433440	6540759	169	17:58:16	18:09:28	00:11:12	78.13
39	433440	6540759	170	17:58:35	18:09:36	00:11:01	75.34
39	433440	6540759	171	17:58:51	18:09:46	00:10:55	73.82
39	433440	6540759	172	17:59:04	18:09:59	00:10:54	73.57
39	433440	6540759	173	17:59:15	18:10:14	00:10:58	74.59
39	433440	6540759	174	17:59:24	18:10:31	00:11:07	76.87
39	433440	6540759	175	17:59:30	18:10:51	00:11:21	80.42
39	433440	6540759	176	17:59:34	18:11:13	00:11:39	85.24
39	433440	6540759	177	17:59:36	18:11:36	00:12:01	91.32
39	433440	6540759	178	17:59:36	18:12:01	00:12:25	98.66
39	433440	6540759	179	17:59:35	18:12:27	00:12:52	100
39	433440	6540759	180	17:59:32	18:12:53	00:13:21	100
39	433440	6540759	181	17:59:29	18:13:20	00:13:51	100
39	433440	6540759	182	17:59:25	18:13:48	00:14:22	100
39	433440	6540759	183	17:59:21	18:14:15	00:14:53	100
39	433440	6540759	184	17:59:17	18:14:41	00:15:24	100
39	433440	6540759	185	17:59:12	18:15:07	00:15:54	100
39	433440	6540759	186	17:59:08	18:15:32	00:16:23	100
39	433440	6540759	187	17:59:05	18:15:55	00:16:51	100
39	433440	6540759	188	17:59:02	18:16:18	00:17:16	100
39	433440	6540759	189	17:58:59	18:16:38	00:17:39	100
39	433440	6540759	190	17:58:58	18:16:57	00:17:59	100
39	433440	6540759	191	17:58:58	18:17:14	00:18:16	100
39	433440	6540759	192	17:58:59	18:17:29	00:18:29	100
39	433440	6540759	193	17:59:02	18:17:41	00:18:39	100
39	433440	6540759	194	17:59:07	18:17:50	00:18:43	100
39	433440	6540759	195	17:59:13	18:17:56	00:18:42	100
39	433440	6540759	196	17:59:22	18:17:58	00:18:36	100
39	433440	6540759	197	17:59:34	18:17:57	00:18:23	100
39	433440	6540759	198	17:59:49	18:17:51	00:18:02	100
39	433440	6540759	199	18:00:08	18:17:40	00:17:32	100
39	433440	6540759	200	18:00:30	18:17:23	00:16:53	100
39	433440	6540759	201	18:00:58	18:16:59	00:16:02	100
39	433440	6540759	202	18:01:32	18:16:27	00:14:55	100
39	433440	6540759	203	18:02:16	18:15:46	00:13:30	100
39	433440	6540759	204	18:03:13	18:14:51	00:11:39	90.83
39	433440	6540759	205	18:04:31	18:13:34	00:09:02	52.01
39	433440	6540759	206	18:06:48	18:11:17	00:04:29	12.17
House	Easting	Northing					
71	434541	6540394					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
36	432810	6540202	89	16:41:25	16:57:52	00:16:28	100
36	432810	6540202	90	16:40:45	16:57:28	00:16:42	100
36	432810	6540202	91	16:40:54	16:56:45	00:15:51	100
36	432810	6540202	92	16:41:25	16:55:41	00:14:17	100
36	432810	6540202	93	16:42:25	16:54:08	00:11:43	100
36	432810	6540202	94	16:44:25	16:51:38	00:07:13	38.11
36	432810	6540202	250	16:40:05	16:46:05	00:05:59	25.62
36	432810	6540202	251	16:37:10	16:48:14	00:11:04	95.51
36	432810	6540202	252	16:35:24	16:49:15	00:13:51	100
36	432810	6540202	253	16:34:10	16:49:44	00:15:35	100
36	432810	6540202	254	16:33:18	16:49:52	00:16:34	100
36	432810	6540202	255	16:32:44	16:49:42	00:16:58	100
37	433350	6540202	88	16:26:56	16:35:33	00:08:37	37.48
37	433350	6540202	89	16:23:52	16:38:03	00:14:11	100
37	433350	6540202	90	16:21:55	16:39:26	00:17:32	100
37	433350	6540202	91	16:20:28	16:40:18	00:19:50	100
37	433350	6540202	92	16:19:22	16:40:48	00:21:26	100
37	433350	6540202	93	16:18:33	16:41:03	00:22:30	100
37	433350	6540202	94	16:17:57	16:41:04	00:23:07	100
37	433350	6540202	95	16:17:34	16:40:52	00:23:18	100
37	433350	6540202	96	16:17:24	16:40:30	00:23:06	100
37	433350	6540202	97	16:17:26	16:39:56	00:22:30	100
37	433350	6540202	98	16:17:41	16:39:08	00:21:27	100
37	433350	6540202	99	16:18:13	16:38:06	00:19:53	100
37	433350	6540202	100	16:19:04	16:36:45	00:17:42	100
37	433350	6540202	101	16:20:23	16:34:58	00:14:35	100
37	433350	6540202	102	16:22:32	16:32:21	00:09:49	50.7
37	433350	6540202	242	16:22:40	16:31:58	00:09:18	44.8
37	433350	6540202	243	16:19:53	16:34:06	00:14:13	100
37	433350	6540202	244	16:17:56	16:35:20	00:17:25	100
37	433350	6540202	245	16:16:27	16:36:07	00:19:40	100
37	433350	6540202	246	16:15:18	16:36:34	00:21:16	100
37	433350	6540202	247	16:14:24	16:36:47	00:22:23	100
37	433350	6540202	248	16:13:43	16:36:46	00:23:03	100
37	433350	6540202	249	16:13:14	16:36:33	00:23:19	100
37	433350	6540202	250	16:12:57	16:36:08	00:23:12	100
37	433350	6540202	251	16:12:51	16:35:32	00:22:42	100

37	433350	6540202	252	16:12:58	16:34:43	00:21:45	100
37	433350	6540202	253	16:13:20	16:33:38	00:20:18	100
37	433350	6540202	254	16:14:00	16:32:15	00:18:14	100
37	433350	6540202	255	16:15:07	16:30:24	00:15:17	100
37	433350	6540202	256	16:17:02	16:27:45	00:10:43	59.1
38	432814	6540741	115	17:43:11	17:49:15	00:06:04	100
38	432814	6540741	116	17:37:38	17:49:25	00:11:47	100
38	432814	6540741	117	17:32:25	17:49:23	00:16:57	100
38	432814	6540741	118	17:32:06	17:49:08	00:17:02	100
38	432814	6540741	119	17:32:17	17:48:43	00:16:26	100
38	432814	6540741	120	17:32:41	17:48:04	00:15:23	100
38	432814	6540741	121	17:33:21	17:47:10	00:13:49	100
38	432814	6540741	122	17:34:24	17:45:56	00:11:32	98.64
38	432814	6540741	123	17:36:07	17:44:05	00:07:57	43.9
38	432814	6540741	220	17:47:20	17:50:26	00:03:06	6.27
38	432814	6540741	221	17:44:08	17:53:21	00:09:12	59.47
38	432814	6540741	222	17:42:25	17:54:42	00:12:16	100
38	432814	6540741	223	17:41:14	17:55:32	00:14:19	100
38	432814	6540741	224	17:40:21	17:56:03	00:15:43	100
38	432814	6540741	225	17:39:42	17:56:20	00:16:38	100
38	432814	6540741	226	17:39:15	17:56:23	00:17:08	100
38	432814	6540741	227	17:40:19	17:56:13	00:15:54	100
38	432814	6540741	228	17:45:09	17:55:52	00:10:43	100
38	432814	6540741	229	17:50:17	17:55:17	00:04:59	100
39	433440	6540759	134	17:49:49	17:56:15	00:06:26	18.57
39	433440	6540759	135	17:47:17	17:58:51	00:11:34	62.51
39	433440	6540759	136	17:45:44	18:00:28	00:14:44	100
39	433440	6540759	137	17:44:37	18:01:41	00:17:04	100
39	433440	6540759	138	17:43:45	18:02:38	00:18:54	100
39	433440	6540759	139	17:43:04	18:03:28	00:20:23	100
39	433440	6540759	140	17:42:33	18:04:10	00:21:38	100
39	433440	6540759	141	17:42:08	18:04:46	00:22:38	100
39	433440	6540759	142	17:41:49	18:05:16	00:23:28	100
39	433440	6540759	143	17:41:34	18:05:42	00:24:08	100
39	433440	6540759	144	17:41:25	18:06:04	00:24:40	100
39	433440	6540759	145	17:41:19	18:06:23	00:25:04	100
39	433440	6540759	146	17:41:18	18:06:39	00:25:21	100
39	433440	6540759	147	17:41:19	18:06:52	00:25:33	100
39	433440	6540759	148	17:41:23	18:07:04	00:25:40	100
39	433440	6540759	149	17:41:31	18:07:13	00:25:42	100
39	433440	6540759	150	17:41:40	18:07:21	00:25:41	100
39	433440	6540759	151	17:41:52	18:07:27	00:25:35	100
39	433440	6540759	152	17:42:06	18:07:32	00:25:26	100
39	433440	6540759	153	17:42:21	18:07:36	00:25:15	100
39	433440	6540759	154	17:42:38	18:07:39	00:25:01	100
39	433440	6540759	155	17:42:56	18:07:42	00:24:46	100
39	433440	6540759	156	17:43:15	18:07:43	00:24:28	100
39	433440	6540759	157	17:43:35	18:07:45	00:24:10	100
39	433440	6540759	158	17:43:56	18:07:46	00:23:50	100
39	433440	6540759	159	17:44:18	18:07:48	00:23:30	100
39	433440	6540759	160	17:44:39	18:07:49	00:23:10	100
39	433440	6540759	161	17:45:01	18:07:51	00:22:49	100
39	433440	6540759	162	17:45:23	18:07:53	00:22:30	100
39	433440	6540759	163	17:45:45	18:07:56	00:22:11	100
39	433440	6540759	164	17:46:06	18:07:59	00:21:53	100
39	433440	6540759	165	17:46:27	18:08:03	00:21:36	100
39	433440	6540759	166	17:46:47	18:08:09	00:21:21	100
39	433440	6540759	167	17:47:07	18:08:15	00:21:08	100
39	433440	6540759	168	17:47:25	18:08:23	00:20:58	100
39	433440	6540759	169	17:47:42	18:08:31	00:20:49	100
39	433440	6540759	170	17:47:58	18:08:42	00:20:43	100
39	433440	6540759	171	17:48:13	18:08:53	00:20:40	100
39	433440	6540759	172	17:48:26	18:09:06	00:20:40	100
39	433440	6540759	173	17:48:38	18:09:20	00:20:42	100
39	433440	6540759	174	17:48:49	18:09:36	00:20:47	100
39	433440	6540759	175	17:48:58	18:09:52	00:20:54	100
39	433440	6540759	176	17:49:06	18:10:10	00:21:04	100
39	433440	6540759	177	17:49:13	18:10:29	00:21:16	100
39	433440	6540759	178	17:49:19	18:10:49	00:21:30	100
39	433440	6540759	179	17:49:23	18:11:09	00:21:46	100
39	433440	6540759	180	17:49:27	18:11:30	00:22:03	100
39	433440	6540759	181	17:49:29	18:11:51	00:22:22	100
39	433440	6540759	182	17:49:31	18:12:13	00:22:41	100
39	433440	6540759	183	17:49:33	18:12:34	00:23:01	100
39	433440	6540759	184	17:49:34	18:12:55	00:23:22	100
39	433440	6540759	185	17:49:34	18:13:16	00:23:42	100
39	433440	6540759	186	17:49:35	18:13:37	00:24:02	100
39	433440	6540759	187	17:49:36	18:13:56	00:24:21	100
39	433440	6540759	188	17:49:36	18:14:15	00:24:39	100
39	433440	6540759	189	17:49:37	18:14:32	00:24:55	100
39	433440	6540759	190	17:49:39	18:14:48	00:25:10	100
39	433440	6540759	191	17:49:41	18:15:03	00:25:22	100
39	433440	6540759	192	17:49:44	18:15:16	00:25:32	100

39	433440	6540759	193	17:49:48	18:15:27	00:25:39	100
39	433440	6540759	194	17:49:53	18:15:35	00:25:42	100
39	433440	6540759	195	17:49:59	18:15:41	00:25:42	100
39	433440	6540759	196	17:50:07	18:15:45	00:25:38	100
39	433440	6540759	197	17:50:17	18:15:45	00:25:28	100
39	433440	6540759	198	17:50:29	18:15:43	00:25:14	100
39	433440	6540759	199	17:50:43	18:15:36	00:24:53	100
39	433440	6540759	200	17:51:00	18:15:26	00:24:25	100
39	433440	6540759	201	17:51:21	18:15:11	00:23:50	100
39	433440	6540759	202	17:51:45	18:14:51	00:23:06	100
39	433440	6540759	203	17:52:13	18:14:25	00:22:12	100
39	433440	6540759	204	17:52:46	18:13:52	00:21:06	100
39	433440	6540759	205	17:53:25	18:13:10	00:19:45	100
39	433440	6540759	206	17:54:13	18:12:22	00:18:08	100
39	433440	6540759	207	17:55:13	18:11:20	00:16:08	100
39	433440	6540759	208	17:56:30	18:10:01	00:13:31	86.75
39	433440	6540759	209	17:58:19	18:08:07	00:09:48	43.93
39	433440	6540759	210	18:02:53	18:03:27	00:00:35	0.15
House	Easting	Northing					
80	431424	6536893					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
9	432326	6535589	41	09:23:47	09:27:37	00:03:51	100
9	432326	6535589	42	09:14:39	09:27:30	00:12:51	100
9	432326	6535589	43	09:08:56	09:27:09	00:18:14	100
9	432326	6535589	44	09:09:28	09:26:33	00:17:06	100
9	432326	6535589	45	09:10:17	09:25:39	00:15:22	100
9	432326	6535589	46	09:11:31	09:24:17	00:12:46	100
9	432326	6535589	47	09:13:32	09:22:01	00:08:28	44.64
9	432326	6535589	298	08:45:39	08:49:46	00:04:07	10.77
9	432326	6535589	299	08:42:21	08:53:12	00:10:51	75.45
9	432326	6535589	300	08:40:39	08:54:46	00:14:07	100
9	432326	6535589	301	08:39:31	08:55:46	00:16:14	100
9	432326	6535589	302	08:38:45	08:56:25	00:17:40	100
9	432326	6535589	303	08:38:30	08:56:49	00:18:18	100
9	432326	6535589	304	08:47:52	08:57:00	00:09:08	100
10	432232	6536020	51	08:52:55	09:00:43	00:07:48	100
10	432232	6536020	52	08:41:24	09:01:22	00:19:58	100
10	432232	6536020	53	08:38:40	09:01:47	00:23:06	100
10	432232	6536020	54	08:38:11	09:01:58	00:23:47	100
10	432232	6536020	55	08:37:54	09:01:57	00:24:03	100
10	432232	6536020	56	08:37:47	09:01:44	00:23:57	100
10	432232	6536020	57	08:37:52	09:01:19	00:23:27	100
10	432232	6536020	58	08:38:09	09:00:40	00:22:31	100
10	432232	6536020	59	08:38:40	08:59:45	00:21:05	100
10	432232	6536020	60	08:39:29	08:58:32	00:19:03	100
10	432232	6536020	61	08:40:42	08:56:52	00:16:10	100
10	432232	6536020	62	08:42:38	08:54:25	00:11:47	70.11
10	432232	6536020	283	08:18:50	08:28:24	00:09:34	44.87
10	432232	6536020	284	08:16:00	08:30:51	00:14:51	100
10	432232	6536020	285	08:14:09	08:32:15	00:18:06	100
10	432232	6536020	286	08:12:46	08:33:10	00:20:23	100
10	432232	6536020	287	08:11:44	08:33:45	00:22:01	100
10	432232	6536020	288	08:10:58	08:34:05	00:23:07	100
10	432232	6536020	289	08:10:25	08:34:12	00:23:48	100
10	432232	6536020	290	08:10:04	08:34:09	00:24:04	100
10	432232	6536020	291	08:09:56	08:33:54	00:23:58	100
10	432232	6536020	292	08:09:59	08:33:29	00:23:30	100
10	432232	6536020	293	08:10:16	08:32:53	00:22:37	100
10	432232	6536020	294	08:18:08	08:32:05	00:13:56	100
10	432232	6536020	295	08:28:54	08:31:01	00:02:07	100
16	432679	6536310	70	07:22:26	07:28:53	00:06:26	26.41
16	432679	6536310	71	07:18:58	07:31:34	00:12:36	100
16	432679	6536310	72	07:17:00	07:32:56	00:15:55	100
16	432679	6536310	73	07:15:38	07:33:44	00:18:06	100
16	432679	6536310	74	07:14:37	07:34:09	00:19:31	100
16	432679	6536310	75	07:13:55	07:34:16	00:20:21	100
16	432679	6536310	76	07:13:28	07:34:07	00:20:40	100
16	432679	6536310	77	07:13:15	07:33:44	00:20:28	100
16	432679	6536310	78	07:13:18	07:33:05	00:19:47	100
16	432679	6536310	79	07:13:38	07:32:08	00:18:30	100
16	432679	6536310	80	07:14:18	07:30:51	00:16:32	100
16	432679	6536310	81	07:15:29	07:29:02	00:13:33	100
16	432679	6536310	82	07:17:39	07:26:10	00:08:31	41.67
16	432679	6536310	263	07:05:10	07:12:25	00:07:15	29.68
16	432679	6536310	264	07:02:03	07:14:57	00:12:53	100
16	432679	6536310	265	07:00:08	07:16:12	00:16:04	100
16	432679	6536310	266	06:58:44	07:16:55	00:18:11	100
16	432679	6536310	267	06:57:42	07:17:16	00:19:34	100
16	432679	6536310	268	06:56:57	07:17:20	00:20:22	100
16	432679	6536310	269	06:56:28	07:17:09	00:20:41	100
16	432679	6536310	270	06:56:13	07:16:43	00:20:30	100
16	432679	6536310	271	06:56:14	07:16:03	00:19:50	100

16	432679	6536310	272	06:56:31	07:15:07	00:18:36	100
16	432679	6536310	273	06:57:08	07:13:51	00:16:43	100
16	432679	6536310	274	06:58:15	07:12:08	00:13:52	100
16	432679	6536310	275	07:00:15	07:09:32	00:09:17	51.5
17	433058	6536591	86	06:19:13	06:23:19	00:04:05	100
17	433058	6536591	87	06:18:06	06:34:54	00:16:48	100
17	433058	6536591	88	06:17:27	06:34:56	00:17:29	100
17	433058	6536591	89	06:17:05	06:34:41	00:17:36	100
17	433058	6536591	90	06:17:01	06:34:09	00:17:08	100
17	433058	6536591	91	06:17:15	06:33:18	00:16:03	100
17	433058	6536591	92	06:17:51	06:32:06	00:14:14	100
17	433058	6536591	93	06:19:01	06:30:20	00:11:19	93.62
17	433058	6536591	94	06:21:27	06:27:16	00:05:48	21.92
17	433058	6536591	251	06:16:25	06:21:46	00:05:21	18.37
17	433058	6536591	252	06:13:13	06:24:19	00:11:05	88.44
17	433058	6536591	253	06:11:23	06:25:27	00:14:04	100
17	433058	6536591	254	06:10:07	06:26:02	00:15:56	100
17	433058	6536591	255	06:09:12	06:26:15	00:17:03	100
17	433058	6536591	256	06:08:35	06:26:10	00:17:35	100
17	433058	6536591	257	06:08:14	06:25:48	00:17:33	100
17	433058	6536591	258	06:08:10	06:25:09	00:16:58	100
17	433058	6536591	259	06:08:25	06:19:16	00:10:50	100
House	Eastings	Northings					
81	430509	6535946					
Turbine	Eastings	Northings	Day	Start Time	End Time	Duration	% Cover
10	432232	6536020	101	05:33:31	05:43:11	00:09:39	69.54
10	432232	6536020	102	05:31:31	05:44:33	00:13:02	100
10	432232	6536020	103	05:30:12	05:45:19	00:15:06	100
10	432232	6536020	104	05:29:17	05:45:41	00:16:24	100
10	432232	6536020	105	05:28:40	05:45:46	00:17:06	100
10	432232	6536020	106	05:28:20	05:45:36	00:17:16	100
10	432232	6536020	107	05:28:14	05:45:12	00:16:58	100
10	432232	6536020	108	05:28:25	05:44:33	00:16:08	100
10	432232	6536020	109	05:28:53	05:43:38	00:14:46	100
10	432232	6536020	110	05:29:44	05:42:22	00:12:38	100
10	432232	6536020	111	05:31:13	05:40:29	00:09:16	60.84
10	432232	6536020	233	05:38:49	05:41:56	00:03:07	6.42
10	432232	6536020	234	05:35:11	05:44:59	00:09:48	68.37
10	432232	6536020	235	05:33:21	05:46:17	00:12:56	100
10	432232	6536020	236	05:32:04	05:47:01	00:14:56	100
10	432232	6536020	237	05:31:09	05:47:23	00:16:14	100
10	432232	6536020	238	05:30:30	05:47:31	00:17:01	100
10	432232	6536020	239	05:30:05	05:47:22	00:17:17	100
10	432232	6536020	240	05:29:54	05:46:59	00:17:05	100
10	432232	6536020	241	05:29:58	05:46:22	00:16:23	100
10	432232	6536020	242	05:30:20	05:45:26	00:15:06	100
10	432232	6536020	243	05:31:04	05:44:07	00:13:03	100
10	432232	6536020	244	05:32:28	05:42:11	00:09:44	70.13
House	Eastings	Northings					
82	430385	6535789					
There are no shadows cast on this window							
House	Eastings	Northings					
83	430742	6535714					
Turbine	Eastings	Northings	Day	Start Time	End Time	Duration	% Cover
4	432370	6535039	67	07:11:18	07:13:19	00:02:01	2.91
4	432370	6535039	68	07:07:06	07:17:04	00:09:58	76.69
4	432370	6535039	69	07:05:10	07:18:25	00:13:15	100
4	432370	6535039	70	07:03:55	07:19:08	00:15:13	100
4	432370	6535039	71	07:03:04	07:19:25	00:16:20	100
4	432370	6535039	72	07:02:34	07:19:22	00:16:48	100
4	432370	6535039	73	07:02:21	07:18:59	00:16:39	100
4	432370	6535039	74	07:02:27	07:18:19	00:15:52	100
4	432370	6535039	75	07:02:54	07:17:16	00:14:22	100
4	432370	6535039	76	07:03:52	07:15:42	00:11:50	100
4	432370	6535039	77	07:05:49	07:13:04	00:07:15	38.02
4	432370	6535039	268	06:50:28	06:55:40	00:05:12	19.17
4	432370	6535039	269	06:47:21	06:58:15	00:10:55	92.02
4	432370	6535039	270	06:45:35	06:59:22	00:13:47	100
4	432370	6535039	271	06:44:24	06:59:55	00:15:31	100
4	432370	6535039	272	06:43:35	07:00:04	00:16:30	100
4	432370	6535039	273	06:43:05	06:59:55	00:16:50	100
4	432370	6535039	274	06:42:54	06:59:29	00:16:35	100
4	432370	6535039	275	06:43:01	06:58:44	00:15:43	100
4	432370	6535039	276	06:43:31	06:57:38	00:14:07	100
4	432370	6535039	277	06:44:32	06:56:01	00:11:29	100
4	432370	6535039	278	06:46:38	06:53:21	00:06:43	32.73
9	432326	6535589	93	06:00:20	06:11:18	00:10:58	85.99
9	432326	6535589	94	05:58:23	06:12:35	00:14:13	100
9	432326	6535589	95	05:57:03	06:13:18	00:16:15	100
9	432326	6535589	96	05:56:06	06:13:38	00:17:32	100

9	432326	6535589	97	05:55:28	06:13:40	00:18:13	100
9	432326	6535589	98	05:55:05	06:13:27	00:18:22	100
9	432326	6535589	99	05:54:59	06:13:01	00:18:02	100
9	432326	6535589	100	05:55:08	06:12:19	00:17:11	100
9	432326	6535589	101	05:55:36	06:11:19	00:15:43	100
9	432326	6535589	102	05:56:27	06:09:56	00:13:28	100
9	432326	6535589	103	05:57:59	06:07:53	00:09:53	64.47
9	432326	6535589	241	06:02:35	06:04:17	00:01:43	1.62
9	432326	6535589	242	05:58:00	06:08:10	00:10:09	67.84
9	432326	6535589	243	05:55:59	06:09:34	00:13:35	100
9	432326	6535589	244	05:54:34	06:10:21	00:15:47	100
9	432326	6535589	245	05:53:32	06:10:44	00:17:12	100
9	432326	6535589	246	05:52:47	06:10:50	00:18:03	100
9	432326	6535589	247	05:52:17	06:10:40	00:18:23	100
9	432326	6535589	248	05:52:02	06:10:17	00:18:14	100
9	432326	6535589	249	05:52:02	06:09:38	00:17:36	100
9	432326	6535589	250	05:52:19	06:08:42	00:16:22	100
9	432326	6535589	251	05:52:58	06:07:24	00:14:26	100
9	432326	6535589	252	05:54:11	06:05:34	00:11:22	92.44
9	432326	6535589	253	05:56:39	05:58:05	00:01:26	22.09
10	432232	6536020	114	05:01:22	05:01:30	00:00:07	28.09
10	432232	6536020	115	04:58:41	05:07:03	00:08:22	89.27
10	432232	6536020	116	04:57:01	05:11:40	00:14:39	100
10	432232	6536020	117	04:55:49	05:12:28	00:16:39	100
10	432232	6536020	118	04:54:58	05:12:59	00:18:02	100
10	432232	6536020	119	04:54:21	05:13:18	00:18:57	100
10	432232	6536020	120	04:53:56	05:13:25	00:19:29	100
10	432232	6536020	121	04:53:42	05:13:22	00:19:40	100
10	432232	6536020	122	04:53:39	05:13:10	00:19:31	100
10	432232	6536020	123	04:53:46	05:12:49	00:19:03	100
10	432232	6536020	124	04:54:04	05:12:19	00:18:15	100
10	432232	6536020	125	04:54:33	05:11:38	00:17:05	100
10	432232	6536020	126	04:55:15	05:10:46	00:15:31	100
10	432232	6536020	127	04:56:14	05:09:39	00:13:25	100
10	432232	6536020	128	04:57:39	05:08:08	00:10:29	67.57
10	432232	6536020	129	05:00:05	05:05:36	00:05:31	17.59
10	432232	6536020	216	05:08:50	05:16:16	00:07:27	32.43
10	432232	6536020	217	05:06:43	05:18:11	00:11:28	81.91
10	432232	6536020	218	05:05:17	05:19:22	00:14:05	100
10	432232	6536020	219	05:04:13	05:20:12	00:15:59	100
10	432232	6536020	220	05:03:22	05:20:48	00:17:26	100
10	432232	6536020	221	05:02:43	05:21:12	00:18:29	100
10	432232	6536020	222	05:02:13	05:21:25	00:19:12	100
10	432232	6536020	223	05:01:52	05:21:28	00:19:35	100
10	432232	6536020	224	05:01:41	05:21:21	00:19:40	100
10	432232	6536020	225	05:01:38	05:21:03	00:19:25	100
10	432232	6536020	226	05:01:46	05:20:35	00:18:50	100
10	432232	6536020	227	05:02:04	05:19:55	00:17:51	100
10	432232	6536020	228	05:02:37	05:19:01	00:16:24	100
10	432232	6536020	229	05:03:28	05:17:48	00:14:19	100
10	432232	6536020	230	05:04:50	05:12:15	00:07:26	81.19

House	Easting	Northing					
84	430517	6535734					
Turbine	Easting	Northing	Day	Start Time	End Time	Duration	% Cover
10	432232	6536020	110	05:08:53	05:14:27	00:05:35	22.55
10	432232	6536020	111	05:06:06	05:16:52	00:10:46	86.3
10	432232	6536020	112	05:04:28	05:18:02	00:13:34	100
10	432232	6536020	113	05:03:21	05:18:43	00:15:22	100
10	432232	6536020	114	05:02:34	05:19:06	00:16:32	100
10	432232	6536020	115	05:02:03	05:19:14	00:17:11	100
10	432232	6536020	116	05:01:46	05:19:09	00:17:23	100
10	432232	6536020	117	05:01:42	05:18:53	00:17:11	100
10	432232	6536020	118	05:01:51	05:18:24	00:16:34	100
10	432232	6536020	119	05:02:14	05:17:43	00:15:29	100
10	432232	6536020	120	05:02:54	05:16:47	00:13:53	100
10	432232	6536020	121	05:03:56	05:15:31	00:11:35	100
10	432232	6536020	122	05:05:37	05:13:37	00:08:00	44.07
10	432232	6536020	222	05:17:07	05:18:59	00:01:53	2.28
10	432232	6536020	223	05:13:22	05:22:24	00:09:01	56.64
10	432232	6536020	224	05:11:37	05:23:48	00:12:10	100
10	432232	6536020	225	05:10:23	05:24:39	00:14:16	100
10	432232	6536020	226	05:09:28	05:25:13	00:15:44	100
10	432232	6536020	227	05:08:48	05:25:31	00:16:43	100
10	432232	6536020	228	05:08:20	05:25:36	00:17:15	100
10	432232	6536020	229	05:08:04	05:25:28	00:17:24	100
10	432232	6536020	230	05:07:59	05:25:07	00:17:08	100
10	432232	6536020	231	05:08:08	05:24:33	00:16:26	100
10	432232	6536020	232	05:08:31	05:23:44	00:15:13	100
10	432232	6536020	233	05:09:14	05:22:35	00:13:21	100
10	432232	6536020	234	05:10:28	05:20:56	00:10:28	80.58
10	432232	6536020	235	05:12:54	05:17:44	00:04:50	18.01

House 85 There are no shadows cast on this window	Easting 430434	Northing 6535581
House 86 There are no shadows cast on this window	Easting 430265	Northing 6535540
House 87 There are no shadows cast on this window	Easting 430204	Northing 6535480
House 88 There are no shadows cast on this window	Easting 430059	Northing 6535461
House 89 There are no shadows cast on this window	Easting 430059	Northing 6535598
House 90 There are no shadows cast on this window	Easting 430117	Northing 6535672
House 93 There are no shadows cast on this window	Easting 430211	Northing 6534106
House 94 There are no shadows cast on this window	Easting 430172	Northing 6534109
House 98 There are no shadows cast on this window	Easting 430288	Northing 6533815
House 99 There are no shadows cast on this window	Easting 430286	Northing 6533779
House 100 There are no shadows cast on this window	Easting 429257	Northing 6533651
House 104 There are no shadows cast on this window	Easting 429046	Northing 6533732
House 105 There are no shadows cast on this window	Easting 428913	Northing 6533778
House 106 There are no shadows cast on this window	Easting 428893	Northing 6533933
House 107 There are no shadows cast on this window	Easting 428792	Northing 6534067
House 108 There are no shadows cast on this window	Easting 429504	Northing 6534230
House 109 There are no shadows cast on this window	Easting 429542	Northing 6534231
House 115 There are no shadows cast on this window	Easting 428942	Northing 6533527