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Skyggekastvurdering på Skveneheii

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1.0 INNLEDNING

En standard skyggekastanalyse er foretatt i området rundt den foreslåtte Skveneheii vindpark i Åseral kommune i Vest-Agder. Analysen er foretatt ved hjelp av Shadow/Flicker module (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 Skveneheii 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 39 turbiner med maksimal høyde på rotorspiss på 140m som vist på tegning [2]. Det er ikke fullført noevalg av spesifikk turbin på dette tidspunkt. Derfor gjennomføres hver teknisk studie med de turbindingensjoner 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 140m er tilsvarende realistiske diameter 93 m, og navhøyden er 93,5m. Disse dimensjonerende rammeparametrene er benyttet i analysene som gjengis her.

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

2.0 METODOLOGI

I fravær av norske, spesifikke analyseparametere for skyggekastvurdering er de svenske anbefalingene brukt [3]. Norge, som er naboen til Sverige og ligger på en liknende breddegrad, kan ventes å bli påvirket av solen på en liknende måte og dermed ha et liknende potensial for skyggekast.

For et gitt turbinoppsett er det beregnet antallet timer skygge fra hver turbin faller på boliger innenfor en radius på 1,515 km fra vindparken. Grensen på 1,515 km er den omtrentlige avstanden der et vindturbinblad med 46,5 m radius og typiske tverrsnittsmål dekker 20 % av solområdet slik det er spesifisert i [3]. Følgende tallverdier er benyttet i beregningen:

- Bladspisskorde = 0,404 m
- Bladrotkorde = 3,629 m
- Gjennomsnittlig korde = 2,017 m
- 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 1,415 km [4]. For å gi en viss planleggingsfleksibilitet for

turbinposisjoneringen, er dette tallet avrundet oppover til 1,515 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

255 eiendommer i nærheten av Skveneheii er analysert med henblikk på skyggekasteffekten. 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 255 eiendommene er 36 innenfor 1,515 km og "Bebodd".

Figur 3.1 viser turbin- og eiendomsposisjoner i forhold til avstanden på 1,515 km 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.

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 39 turbiner med 93 m diameter på rotor [2] i 93,5m navhøyde er gjengitt her. Resultatene kom fra kjørt KNORSKV_MODEL001.WFK [6].

Tabell 4.1 angir absolutt maksimalt antall timer med skyggekast per år for hver bygning [6]. På bakgrunn av dette er det åpenbart at H195 - H197, H199, H205, H214 - H215, H231 og H233 har en risiko for skyggekast med predikert teoretisk maksimalt antall skyggetimer på 455,5 timer per år for H196. Disse resultatene viser at maksimal skyggekasttid opplevd ved 9 eiendommer er over den maksimale retningslinjen med 30 timer årlig spesifisert i [3]. Figur 4.1 viser denne informasjonen grafisk.

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

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.

Tabell 4.2 viser maksimal daglig varighet av skygge/flimmer for hver eiendom [6]. Dette viser at maksimalt daglig skyggekast i det mest kritiske tilfellet, ved H196, kan ha en varighet på 3,94 timer. Dette er mer enn den halve timen (30 minutter) retningslinjen angir i [3]. Figur 4.2 viser disse resultatene grafisk.

Tabell 4.3 viser antall timer med skygge/flimmer forårsaket av hver turbin på hver eiendom [6]. Man ser at alle turbinene unntatt T3, T10, T13, T35, T37, T39 - T44 og T57 bidrar til skyggekast. Denne informasjonen er vist grafisk i figur 4.3.

Vedlegg A inneholder en fullstendig oversikt over alle skyggekasthendelser ved de berørte bygningene, med start- og sluttidspunkt for hver skygge hver dag i året. Alle tidspunkter er gjengitt i forhold til GMT.

For å oppsummere disse opplysningene, er skyggekastdataene for de berørte eiendommene vist grafisk i figur 4.5. Situasjonen for disse eiendommene kan subjektivt angis slik:

- H194, H195, H208 og H209 kan oppleve skyggekast på ulike tider gjennom hele dagen i sommermånedene.
- H212 - H214, H242 og H244 kan oppleve skyggekast fra sent på morgenen til tidlig på ettermiddagen i vintermånedene.
- H197, H199 og H205 kan oppleve skyggekast på ulike tider gjennom hele dagen på alle årstidene.
- H196, H203, H206 og H210 kan oppleve skyggekast på ulike tider gjennom hele dagen i vår-, sommer- og høstmånedene.
- H236 kan oppleve skyggekast om ettermiddagen i høst-, vinter- og vårmånedene.

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. Retningslinjen [3] angir at skyggekast bare er merkbart når solens effekt er større enn 120 W/m^2 . Solens styrke avhenger av breddegrad og årstid.

Figur 5.1 viser den teoretiske variasjonen av maksimal daglig soleffekt gjennom et helt år på en posisjon på Skvenehei ($58,67629^\circ \text{N}$, $7,359235^\circ \text{Ø}$, WGS84 Datum). Dette er man kommet fram til [7] ved å bruke SOLPOS-kalkulatoren [8]. Ved å sammenlikne dette med de teoretiske skyggeperiodene i figur 4.4, fremgår det at den teoretiske solstrålingen (forutsatt klar himmel) er generelt sterk nok minst en liten stund hver dag i året til å gi skygge/flimmereffekt.

Figur 5.2 viser variasjonen i soleffekten i løpet av den dagen soleffekten er på et maksimum, midtsommerdagen 20. juni 2012. Før 03:20 og etter 19:40 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 maksimum, 21. desember 2012. På denne dagen, før 09:30 og etter 13:30, 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 (vedlegg A) og rådende solintensitet, finner [7] 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. Tabell 5.1 viser denne reduksjonen².

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.

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 skydekkedata [9] fra Intergovernmental Panel on Climate Change [11]. Ut fra disse kartene er det lagd et estimat av gjennomsnittlig månedlig skydekke, og dette er vist i tabell 5.2. Ved å kombinere statistikk for gjennomsnittlig skydekke med månedlig forekomst av hver skygge/flimmerhendelse (vedlegg A), kan man få ytterligere reduksjonsfaktorer [7] som er gjengitt i tabell 5.3. 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 5.4. Figur 4.4 viser denne informasjonen grafisk.

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

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/flimmerscenario. 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

² Reduksjonsfaktoren er en multiplikator som skal brukes på teoretisk skyggekvantum (i timer). Effekten av 100,00 % faktor er altså at det ikke er noen reduksjon av skyggekastingen, mens en faktor på 0 % angir at det er en total reduksjon til ingen skyggekast.

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/flimmerreduksjonssystem. Slike systemer kan programmeres med en tidstabell med teoretiske, kritiske skygge/flimmerhendelser (et delsett av hendelsene oppført i vedlegg A) 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.

Noen eiendommer predikeres å oppleve mer enn 8 timers skyggekast [3] når man tar med sol- og skydekkereduksjoner [7], slik at det kan 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.

En teoretisk svært kritisk avstengningsstrategi er identifisert der alle turbinene unntatt T3, T10, T11, T13, T34, T35, T37-T41, T43, T44, T46, T57 og T58 krever avstengningsstrategier [10]. Dette ville føre til et omtrentlig energitap på 0,42 % 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.

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

9.0 KONKLUSJON

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

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

- [1] Clarke A.D, "A case of shadow flicker/flash: assessment and solution", Open University, Milton Keynes, 1991 <http://ecm1/livelink/livelink.exe/open/7328954>
- [2] Oram A., "Turbine Layout" Drawing [02943D0001-05](#), 27th November 2012
- [3] "Planering och Provning av Vindkraftverk på land och i kustnära vattenområden", Boverket, August 2008, <http://ecm1/livelink/livelink.exe/open/9666184>
- [4] Oram A., "Shadow Flicker - AREA OF SUN BLOCKED BY TURBINE ROTOR_Skveneheii", RES Calculation [02943-000702](#), 20th December 2012
- [5] Oram A., "House Layout" Drawing [02943D0201-01](#), dated 24st October 2012
- [6] Oram A., "Shadow Flicker - WINDFARM Output - Skveneheii", Calculation [02943-000703](#), 20th Decemeber 2012
- [7] Oram A., "Shadow Flicker - SolarRadiation and Cloud Cover at Skveneheii", Calculation [02943-000705](#), dated, 20th December 2012
- [8] "MIDC SOLPOS Calculator", www.nrel.gov/midc/solpos/solpos.html, National Renewable Energy Laboratory (NREL), Golden, Colorado, USA.
- [9] Oram A., "Shadow Flicker - Skveneheii IPCC Cloud Cover", Calculation [02943-000707](#), dated 21st December 2012
- [10] Oram, A., "Shadow Flicker - Shutdown Strategy_Skveneheii.xls", Calculation [02943-000706](#) dated 20th December 2012
- [11] "Intergovernmental Panel on Climate Change data service" www.ipcc-data.org

TABELLER

Tabell 3.1 Bygninger som ligger nærmest vindparken (DNORSKV002)

ID	Y-koordinat	X-koordinat	Type	Husnavn	Avstand til nærmeste turbin (m)	Nærmeste turbin
1	407800	6497075	2 – Bolighus – enebolig	2	3951.6	T50
2	407358	6497049	4 – Bolighus – enebolig	4	3735.3	T50
3	407367	6497126	6 – Bolighus – enebolig	6	3673.2	T50
4	407427	6497174	9 – Bolighus – enebolig	9	3662.9	T50
5	408060	6497351	12 – Bolighus – enebolig	12	3895.4	T50
6	408117	6497377	15 – Bolighus – enebolig	15	3913.5	T50
7	408072	6497374	16 – Bolighus – enebolig	16	3885.9	T50
8	408081	6497398	17 – Bolighus – enebolig	17	3873.9	T50
9	407413	6497339	19 – Bolighus – enebolig	19	3515.8	T50
10	408127	6497406	20 – Bolighus – enebolig	20	3898.7	T50
11	408134	6497437	24 – Bolighus – enebolig med hybel/kjellerleilighet	24	3880.5	T50
12	408093	6497434	25 – Bolighus – enebolig	25	3855.1	T50
13	408108	6497457	26 – Bolighus – enebolig med hybel/kjellerleilighet	26	3848.2	T50
14	407419	6497406	30 – Bolighus – enebolig	30	3463.0	T50
15	408059	6497464	31 – Bolighus – enebolig	31	3810.1	T50
16	408182	6497488	34 – Bolighus – enebolig	34	3876.1	T50
17	408124	6497488	36 – Bolighus – enebolig	36	3836.3	T50
18	408197	6497513	37 – Bolighus – enebolig	37	3868.4	T50
19	408128	6497520	38 – Bolighus – enebolig	38	3815.7	T50
20	408240	6497550	40 – Bolighus – enebolig	40	3872.1	T50
21	408137	6497550	41 – Bolighus – enebolig	41	3800.2	T50
22	407490	6497497	43 – Bolighus – enebolig	43	3428.1	T50
23	408219	6497564	44 – Bolighus – enebolig	44	3847.4	T50
24	408254	6497579	46 – Bolighus – enebolig	46	3861.6	T50
25	408145	6497572	47 – Bolighus – enebolig	47	3789.9	T50
26	408222	6497595	50 – Bolighus – enebolig	50	3827.6	T50
27	407516	6497540	51 – Bolighus – enebolig	51	3408.3	T50
28	408266	6497609	52 – Bolighus – enebolig	52	3849.1	T50
29	408230	6497630	55 – Bolighus – enebolig	55	3808.7	T50
30	408320	6497652	57 – Bolighus – enebolig	57	3858.4	T50
31	408105	6497644	62 – Bolighus – enebolig	62	3710.4	T50
32	408240	6497666	63 – Bolighus – enebolig	63	3790.8	T50
33	407577	6497610	64 – Bolighus – enebolig	64	3388.9	T50
34	408341	6497683	66 – Bolighus – enebolig med hybel/kjellerleilighet	66	3852.7	T50
35	407609	6497626	68 – Bolighus – enebolig	68	3395.9	T50
36	408260	6497690	69 – Bolighus – enebolig	69	3788.7	T50
37	407546	6497626	70 – Bolighus – våningshus	70	3357.3	T50
38	408189	6497692	73 – Bolighus – enebolig	73	3736.1	T50
39	407576	6497639	75 – Bolighus – enebolig	75	3365.4	T50
40	408299	6497717	79 – Bolighus – enebolig	79	3798.8	T50
41	407596	6497676	80 – Bolighus – enebolig	80	3348.7	T50

ID	Y-koordinat	X-koordinat	Type	Husnavn	Avstand til nærmeste turbin (m)	Nærmeste turbin
42	407557	6497679	81 – Bolighus – enebolig	81	3322.1	T50
43	407657	6497693	82 – Bolighus – enebolig	82	3373.9	T50
44	407627	6497703	84 – Bolighus – enebolig	84	3347.2	T50
45	408210	6497757	86 – Bolighus – sammenbygd bolighus	86	3706.4	T50
46	407588	6497766	89 – Bolighus – enebolig	89	3273.7	T50
47	408281	6497844	92 – Bolighus – enebolig med hybel/kjellerleilighet	92	3700.3	T50
48	408372	6497859	95 – Bolighus – enebolig	95	3759.2	T50
49	407622	6497807	97 – Bolighus – enebolig	97	3264.1	T50
50	407589	6497807	98 – Bolighus – enebolig	98	3242.8	T50
51	408291	6497877	100 – Bolighus – enebolig	100	3686.1	T50
52	403061	6497411	101 – Hytte/jakthytte – hytte/jakthytte	101	3676.7	T51
53	408303	6497921	105 – Bolighus – enebolig	105	3666.5	T50
54	408413	6497931	106 – Bolighus – enebolig	106	3744.7	T50
55	407600	6497866	109 – Bolighus – enebolig	109	3204.9	T50
56	407645	6497889	112 – Bolighus – enebolig	112	3217.3	T50
57	407440	6497879	114 – Bolighus – enebolig	114	3092.7	T50
58	407596	6497901	116 – Bolighus – enebolig	116	3175.9	T50
59	408341	6498016	122 – Bolighus – enebolig	122	3635.3	T50
60	407593	6497969	124 – Bolighus – enebolig	124	3123.0	T50
61	408338	6498037	125 – Bolighus – enebolig	125	3619.8	T50
62	408428	6498073	127 – Bolighus – enebolig	127	3668.7	T50
63	407597	6498008	130 – Bolighus – enebolig	130	3096.7	T50
64	407494	6498001	131 – Bolighus – enebolig	131	3033.5	T50
65	407701	6498023	133 – Bolighus – enebolig	133	3157.0	T50
66	407636	6498029	134 – Bolighus – enebolig	134	3107.8	T50
67	408175	6498095	136 – Bolighus – enebolig	136	3456.7	T50
68	407506	6498050	138 – Bolighus – enebolig	138	3004.6	T50
69	407548	6498083	139 – Bolighus – enebolig	139	3008.3	T50
70	408149	6498160	144 – Bolighus – enebolig	144	3395.4	T50
71	407500	6498104	145 – Bolighus – enebolig	145	2960.4	T50
72	407550	6498122	148 – Bolighus – enebolig	148	2981.2	T50
73	408182	6498187	149 – Hytte/jakthytte – våningshus brukt som hytte	149	3404.4	T50
74	408143	6498196	152 – Bolighus – enebolig	152	3368.2	T50
75	407500	6498159	156 – Bolighus – enebolig	156	2920.0	T50
76	407562	6498179	157 – Bolighus – enebolig	157	2948.2	T50
77	406144	6498054	158 – Hytte/jakthytte – hytte/jakthytte	158	2328.5	T50
78	407506	6498184	159 – Bolighus – enebolig	159	2905.9	T50
79	408231	6498252	160 – Bolighus – enebolig	160	3403.6	T50
80	408193	6498259	163 – Bolighus – enebolig	163	3369.0	T50
81	406441	6498111	164 – Hytte/jakthytte – skur	164	2374.0	T50
82	406362	6498110	165 – Hytte/jakthytte – skur	165	2345.0	T50
83	407506	6498224	168 – Bolighus – enebolig med hybel/kjellerleilighet	168	2877.0	T50
84	408223	6498296	170 – Bolighus – enebolig	170	3370.9	T50
85	407567	6498238	171 – Bolighus – enebolig	171	2909.7	T50

ID	Y- koordinat	X- koordinat	Type	Husnavn	Avstand til nærmeste turbin (m)	Nærmeste turbin
86	408230	6498324	173 – Bolighus – enebolig	173	3360.1	T50
87	407899	6498329	176 – Bolighus – enebolig	176	3094.9	T50
88	408049	6498348	179 – Bolighus – enebolig	179	3200.6	T50
89	408292	6498371	180 – Bolighus – enebolig	180	3383.6	T50
90	408276	6498376	181 – Bolighus – våningshus	181	3367.6	T50
91	408233	6498379	182 – Hytte/jakthytte – våningshus brukt som hytte	182	3330.6	T50
92	408342	6498390	183 – Bolighus – enebolig	183	3410.1	T47
93	408248	6498396	185 – Annet – restaurant	185	3333.2	T50
94	408210	6498396	186 – Annet – restaurant	186	3302.0	T50
95	408414	6498418	187 – Bolighus – enebolig	187	3423.9	T47
96	407543	6498348	188 – Bolighus – enebolig	188	2815.7	T50
97	408252	6498428	191 – Bolighus – enebolig	191	3318.4	T50
98	407794	6498401	194 – Bolighus – enebolig	194	2968.0	T50
99	407591	6498383	195 – Bolighus – enebolig	195	2826.8	T50
100	408241	6498442	197 – Bolighus – enebolig	197	3301.4	T50
101	407838	6498407	198 – Bolighus – enebolig	198	2998.3	T50
102	407445	6498387	201 – Bolighus – enebolig	201	2718.2	T50
103	407587	6498408	203 – Bolighus – enebolig	203	2807.0	T50
104	408465	6498518	213 – Bolighus – enebolig	213	3367.9	T47
105	407532	6498445	215 – Bolighus – enebolig	215	2741.4	T50
106	408029	6498490	216 – Bolighus – enebolig	216	3100.0	T50
107	408217	6498509	218 – Bolighus – enebolig	218	3244.1	T47
108	408196	6498511	219 – Bolighus – enebolig	219	3225.6	T50
109	408173	6498515	222 – Bolighus – enebolig	222	3204.2	T50
110	407512	6498459	223 – Bolighus – enebolig	223	2717.2	T50
111	407601	6498471	226 – Bolighus – enebolig	226	2775.6	T50
112	408151	6498525	230 – Bolighus – enebolig	230	3180.4	T50
113	408128	6498525	231 – Bolighus – enebolig	231	3161.3	T50
114	408087	6498551	237 – Bolighus – enebolig	237	3112.8	T50
115	407978	6498545	239 – Bolighus – enebolig	239	3026.5	T50
116	408043	6498554	240 – Bolighus – enebolig	240	3074.7	T50
117	407780	6498533	241 – Bolighus – enebolig med hybel/kjellerleilighet	241	2874.6	T50
118	406920	6498457	243 – Hytte/jakthytte – hytte/jakthytte	243	2317.0	T50
119	407504	6498513	246 – Bolighus – enebolig	246	2675.1	T50
120	406955	6498464	247 – Hytte/jakthytte – hytte/jakthytte	247	2333.0	T50
121	408269	6498587	250 – Annet – behandlingssenter	250	3203.8	T47
122	408002	6498575	256 – Bolighus – enebolig	256	3029.0	T50
123	408245	6498603	257 – Annet – pleiehjem	257	3177.6	T47
124	407996	6498594	258 – Bolighus – enebolig	258	3013.3	T50
125	407562	6498558	259 – Bolighus – enebolig	259	2689.4	T50
126	407586	6498561	260 – Bolighus – enebolig	260	2705.8	T50
127	407841	6498592	262 – Annet – kultursenter	262	2887.9	T50
128	403663	6498219	264 – Hytte/jakthytte – skur	264	2684.3	T51
129	408365	6498643	265 – Annet – barnehage	265	3208.4	T47

ID	Y-koordinat	X-koordinat	Type	Husnavn	Avstand til nærmeste turbin (m)	Nærmeste turbin
130	407976	6498616	266 – Bolighus – enebolig	266	2984.4	T50
131	408196	6498641	267 – Bolighus – enebolig med hybel/kjellerleilighet	267	3119.7	T47
132	407925	6498623	269 – Annet – kultursenter	269	2938.4	T50
133	408202	6498663	270 – Bolighus – enebolig med hybel/kjellerleilighet	270	3104.0	T47
134	406804	6498556	273 – Hytte/jakthytte – skur	273	2168.0	T50
135	408283	6498692	274 – Annet – grunnskole	274	3122.5	T47
136	407930	6498680	275 – Bolighus – enebolig	275	2910.5	T50
137	407991	6498711	277 – Bolighus – enebolig	277	2944.7	T50
138	408238	6498743	278 – Annet – kultursenter	278	3055.2	T47
139	407963	6498720	279 – Bolighus – enebolig	279	2916.2	T50
140	407916	6498721	280 – Bolighus – enebolig	280	2876.2	T50
141	407557	6498696	281 – Bolighus – enebolig	281	2598.5	T50
142	407585	6498724	284 – Bolighus – enebolig	284	2603.6	T50
143	407959	6498759	285 – Bolighus – enebolig med hybel/kjellerleilighet	285	2892.0	T50
144	407986	6498762	286 – Bolighus – enebolig	286	2910.2	T47
145	407954	6498766	288 – Bolighus – rekkehus	288	2884.0	T50
146	407378	6498726	290 – Bolighus – enebolig	290	2440.4	T50
147	407650	6498773	294 – Bolighus – enebolig	294	2627.1	T50
148	407977	6498803	295 – Bolighus – enebolig	295	2870.0	T47
149	407655	6498825	296 – Bolighus – enebolig	296	2601.5	T50
150	407965	6498879	300 – Bolighus – enebolig	300	2797.8	T47
151	406966	6498791	301 – Hytte/jakthytte – hytte/jakthytte	301	2094.0	T50
152	407979	6498907	304 – Bolighus – enebolig	304	2780.4	T47
153	407707	6498884	305 – Bolighus – enebolig	305	2612.2	T50
154	407633	6498892	307 – Bolighus – enebolig	307	2545.8	T50
155	407958	6498945	308 – Bolighus – enebolig	308	2737.0	T47
156	407679	6498942	309 – Bolighus – enebolig	309	2557.6	T50
157	407936	6498973	311 – Bolighus – enebolig	311	2701.7	T47
158	407584	6498943	313 – Bolighus – enebolig med hybel/kjellerleilighet	313	2476.9	T50
159	407720	6498961	314 – Bolighus – enebolig	314	2582.6	T50
160	407917	6498996	316 – Bolighus – enebolig	316	2672.3	T47
161	407275	6498954	319 – Hytte/jakthytte – hytte/jakthytte	319	2217.6	T50
162	407639	6498987	320 – Bolighus – enebolig med hybel/kjellerleilighet	320	2499.9	T50
163	407930	6499030	323 – Bolighus – enebolig med hybel/kjellerleilighet	323	2649.4	T47
164	407899	6499033	324 – Bolighus – enebolig	324	2631.3	T47
165	407957	6499045	325 – Bolighus – enebolig	325	2650.3	T47
166	407876	6499057	328 – Bolighus – enebolig med hybel/kjellerleilighet	328	2599.0	T47
167	407864	6499074	331 – Bolighus – enebolig med hybel/kjellerleilighet	331	2578.3	T47
168	406590	6498962	332 – Hytte/jakthytte – skur	332	1716.1	T50
169	407264	6499024	334 – Hytte/jakthytte – hytte/jakthytte	334	2167.1	T50
170	407904	6499082	335 – Bolighus – enebolig	335	2591.4	T47
171	407936	6499090	336 – Bolighus – enebolig	336	2601.0	T47

ID	Y-koordinat	X-koordinat	Type	Husnavn	Avstand til nærmeste turbin (m)	Nærmeste turbin
172	407893	6499107	339 – Bolighus – enebolig	339	2564.3	T47
173	407842	6499114	341 – Bolighus – enebolig	341	2532.7	T47
174	407868	6499125	342 – Bolighus – enebolig	342	2536.1	T47
175	407814	6499168	346 – Bolighus – enebolig	346	2471.9	T47
176	406558	6499141	351 – Hytte/jakthytte – skur	351	1559.5	T50
177	406393	6499166	352 – Hytte/jakthytte – hytte/jakthytte	352	1433.7	T50
178	403739	6498933	354 – Hytte/jakthytte – skur	354	2018.5	T51
179	406380	6499184	355 – Hytte/jakthytte – skur	355	1411.6	T50
180	407698	6499330	357 – Bolighus – enebolig	357	2273.8	T47
181	406493	6499256	359 – Hytte/jakthytte – skur	359	1431.0	T50
182	406559	6499280	360 – Hytte/jakthytte – skur	360	1460.4	T50
183	407587	6499432	365 – Bolighus – enebolig	365	2131.1	T47
184	407566	6499471	366 – Bolighus – enebolig	366	2086.8	T47
185	407559	6499505	368 – Bolighus – enebolig	368	2053.5	T47
186	407676	6499516	369 – Bolighus – enebolig	369	2101.9	T47
187	407592	6499512	370 – Bolighus – enebolig	370	2063.2	T47
188	407602	6499541	373 – Bolighus – enebolig	373	2042.9	T47
189	404655	6499304	375 – Hytte/jakthytte – skur	375	1306.8	T50
190	406505	6499481	377 – Hytte/jakthytte – hytte/jakthytte	377	1286.5	T50
191	406457	6499666	382 – Hytte/jakthytte – skur	382	1138.0	T50
192	406548	6499785	383 – Hytte/jakthytte – skur	383	1157.9	T50
193	406666	6500106	384 – Hytte/jakthytte – skur	384	1173.2	T50
194	406617	6500331	385 – Hytte/jakthytte – skur	385	984.4	T47
195	404741	6500216	389 – Hytte/jakthytte – skur	389	439.6	T51
196	404844	6500688	390 – Hytte/jakthytte – skur	390	59.2	T51
197	405823	6500998	391 – Hytte/jakthytte – skur	391	64.8	T48
198	407690	6501208	392 – Hytte/jakthytte – hytte/jakthytte	392	1106.2	T47
199	404983	6501039	393 – Hytte/jakthytte – skur	393	258.0	T56
200	407893	6502121	395 – Hytte/jakthytte – skur	395	1178.2	T41
201	407703	6502216	396 – Hytte/jakthytte – hytte/jakthytte	396	987.9	T41
202	407510	6502715	397 – Hytte/jakthytte – skur	397	838.8	T38
203	407718	6503069	399 – Hytte/jakthytte – skur	399	905.2	T32
204	408980	6503411	400 – Hytte/jakthytte – skur	400	2067.3	T32
205	404544	6503099	401 – Hytte/jakthytte – skur	401	904.3	T55
206	407624	6503446	403 – Bolighus – enebolig	403	711.1	T32
207	407573	6503567	406 – Bolighus – enebolig	406	664.1	T32
208	407655	6503831	408 – Hytte/jakthytte – skur	408	817.8	T32
209	407490	6504054	409 – Hytte/jakthytte – hytte/jakthytte	409	809.7	T32
210	407513	6504430	411 – Bolighus – enebolig	411	1118.9	T32
211	408130	6504686	416 – Hytte/jakthytte – skur	416	1709.1	T32
212	406374	6504617	418 – Hytte/jakthytte – hytte/jakthytte	418	762.4	T29
213	406312	6504624	419 – Hytte/jakthytte – hytte/jakthytte	419	758.6	T29
214	406308	6504683	422 – Hytte/jakthytte – hytte/jakthytte	422	816.7	T29
215	405978	6504965	423 – Hytte/jakthytte – skur	423	1117.8	T29
216	403485	6504921	424 – Hytte/jakthytte – skur	424	2483.1	T30

ID	Y- koordinat	X- koordinat	Type	Husnavn	Avstand til nærmeste turbin (m)	Nærmeste turbin
217	403476	6504924	425 – Hytte/jakthytte – skur	425	2492.3	T30
218	403594	6505074	426 – Hytte/jakthytte – skur	426	2480.6	T30
219	403475	6505072	428 – Hytte/jakthytte – skur	428	2575.6	T30
220	403548	6505082	429 – Hytte/jakthytte – hytte/jakthytte	429	2522.3	T30
221	405461	6505472	434 – Hytte/jakthytte – skur	434	1767.5	T29
222	403289	6505385	436 – Hytte/jakthytte – skur	436	2437.6	T13
223	405974	6507706	439 – Hytte/jakthytte – skur	439	1585.5	T12
224	407233	6508171	441 – Hytte/jakthytte – hytte/jakthytte	441	2594.8	T12
225	406021	6508545	442 – Hytte/jakthytte – skur	442	1346.0	T12
226	407199	6508785	445 – Hytte/jakthytte – hytte/jakthytte	445	2527.5	T12
227	406986	6508805	446 – Hytte/jakthytte – skur	446	2316.6	T12
228	407136	6508884	447 – Hytte/jakthytte – hytte/jakthytte	447	2473.3	T12
229	407201	6508948	449 – Hytte/jakthytte – hytte/jakthytte	449	2545.5	T12
230	407274	6508958	450 – Hytte/jakthytte – hytte/jakthytte	450	2619.2	T12
231	405057	6508794	451 – Hytte/jakthytte – hytte/jakthytte	451	418.8	T12
232	407337	6509113	455 – Hytte/jakthytte – hytte/jakthytte	455	2705.7	T12
233	404787	6508956	456 – Hytte/jakthytte – skur	456	355.4	T12
234	407368	6509199	457 – Hytte/jakthytte – hytte/jakthytte	457	2753.0	T12
235	407366	6509269	458 – Hytte/jakthytte – hytte/jakthytte	458	2766.7	T12
236	405602	6509231	460 – Hytte/jakthytte – skur	460	1109.7	T12
237	407375	6509419	461 – Hytte/jakthytte – hytte/jakthytte	461	2814.4	T12
238	407308	6509586	462 – Hytte/jakthytte – hytte/jakthytte	462	2803.4	T12
239	402728	6509800	464 – Hytte/jakthytte – hytte/jakthytte	464	906.1	T3
240	406945	6510899	466 – Hytte/jakthytte – våningshus brukt som hytte	466	2961.5	T2
241	406955	6511007	469 – Bolighus – enebolig	469	3019.6	T2
242	404116	6510941	471 – Hytte/jakthytte – skur	471	1294.5	T1
243	401966	6510787	473 – Hytte/jakthytte – hytte/jakthytte	473	2127.0	T3
244	404084	6510983	474 – Hytte/jakthytte – hytte/jakthytte	474	1331.8	T1
245	407099	6511386	476 – Bolighus – enebolig	476	3335.2	T2
246	407121	6511530	481 – Bolighus – enebolig	481	3433.0	T2
247	406916	6511565	482 – Hytte/jakthytte – hytte/jakthytte	482	3286.8	T2
248	407032	6511594	483 – Bolighus – enebolig med hybel/kjellerleilighet	483	3397.3	T2
249	406749	6511573	484 – Hytte/jakthytte – våningshus brukt som hytte	484	3159.9	T2
250	406936	6511669	494 – Bolighus – enebolig	494	3366.0	T2
251	405297	6511571	500 – Hytte/jakthytte – skur	500	2222.3	T2
252	402497	6511606	501 – Hytte/jakthytte – skur	501	2411.7	T1
253	406545	6498334	503 – Hytte/jakthytte – hytte/jakthytte	503	2217.4	T50
254	406545	6498334	504 – Hytte/jakthytte – skur	504	2217.4	T50
255	406559	6509800	505 – Bolighus – enebolig	505	2222.4	T12

Tabell 4.1: Teoretisk maksimalt totalt antall timer med skyggekastning per år for hver bygning

Hus ID	KNORSKV MODEL001	Hus ID	KNORSKV MODEL001	Hus ID	KNORSKV MODEL001	Hus ID	KNORSKV MODEL001	Hus ID	KNORSKV MODEL001
	Timer totalt		Timer totalt		Timer totalt		Timer totalt		Timer totalt
H1	0	H58	0	H115	0	H172	0	H229	0
H2	0	H59	0	H116	0	H173	0	H230	0
H3	0	H60	0	H117	0	H174	0	H231	108.4
H4	0	H61	0	H118	0	H175	0	H232	0
H5	0	H62	0	H119	0	H176	0	H233	165.1
H6	0	H63	0	H120	0	H177	0	H234	0
H7	0	H64	0	H121	0	H178	0	H235	0
H8	0	H65	0	H122	0	H179	0	H236	22.5
H9	0	H66	0	H123	0	H180	0	H237	0
H10	0	H67	0	H124	0	H181	0	H238	0
H11	0	H68	0	H125	0	H182	0	H239	0
H12	0	H69	0	H126	0	H183	0	H240	0
H13	0	H70	0	H127	0	H184	0	H241	0
H14	0	H71	0	H128	0	H185	0	H242	11.5
H15	0	H72	0	H129	0	H186	0	H243	0
H16	0	H73	0	H130	0	H187	0	H244	0.5
H17	0	H74	0	H131	0	H188	0	H245	0
H18	0	H75	0	H132	0	H189	0	H246	0
H19	0	H76	0	H133	0	H190	0	H247	0
H20	0	H77	0	H134	0	H191	0	H248	0
H21	0	H78	0	H135	0	H192	0	H249	0
H22	0	H79	0	H136	0	H193	0	H250	0
H23	0	H80	0	H137	0	H194	1.3	H251	0
H24	0	H81	0	H138	0	H195	40.2	H252	0
H25	0	H82	0	H139	0	H196	455.5	H253	0
H26	0	H83	0	H140	0	H197	181.7	H254	0
H27	0	H84	0	H141	0	H198	0	H255	0
H28	0	H85	0	H142	0	H199	265.5		
H29	0	H86	0	H143	0	H200	0		
H30	0	H87	0	H144	0	H201	0		
H31	0	H88	0	H145	0	H202	0		
H32	0	H89	0	H146	0	H203	1.9		
H33	0	H90	0	H147	0	H204	0		
H34	0	H91	0	H148	0	H205	64.2		
H35	0	H92	0	H149	0	H206	1.1		
H36	0	H93	0	H150	0	H207	0		
H37	0	H94	0	H151	0	H208	12.7		
H38	0	H95	0	H152	0	H209	9.7		
H39	0	H96	0	H153	0	H210	8.3		
H40	0	H97	0	H154	0	H211	0		
H41	0	H98	0	H155	0	H212	15.5		
H42	0	H99	0	H156	0	H213	10.7		
H43	0	H100	0	H157	0	H214	30.9		
H44	0	H101	0	H158	0	H215	31.9		
H45	0	H102	0	H159	0	H216	0		
H46	0	H103	0	H160	0	H217	0		
H47	0	H104	0	H161	0	H218	0		
H48	0	H105	0	H162	0	H219	0		
H49	0	H106	0	H163	0	H220	0		
H50	0	H107	0	H164	0	H221	0		
H51	0	H108	0	H165	0	H222	0		
H52	0	H109	0	H166	0	H223	0		
H53	0	H110	0	H167	0	H224	0		
H54	0	H111	0	H168	0	H225	0		
H55	0	H112	0	H169	0	H226	0		
H56	0	H113	0	H170	0	H227	0		
H57	0	H114	0	H171	0	H228	0		

Tabell 4.2: Teoretisk maksimal daglig varighet (timer) av skyggekastning for hver bygning

Hus ID	KNORSKV MODEL001	Hus ID	KNORSKV MODEL001	Hus ID	KNORSKV MODEL001	Hus ID	KNORSKV MODEL001	Hus ID	KNORSKV MODEL001
	Maks. timer daglig		Maks. timer daglig		Maks. timer daglig		Maks. timer daglig		Maks. timer daglig
H1	0	H58	0	H115	0	H172	0	H229	0
H2	0	H59	0	H116	0	H173	0	H230	0
H3	0	H60	0	H117	0	H174	0	H231	1.1
H4	0	H61	0	H118	0	H175	0	H232	0
H5	0	H62	0	H119	0	H176	0	H233	1.07
H6	0	H63	0	H120	0	H177	0	H234	0
H7	0	H64	0	H121	0	H178	0	H235	0
H8	0	H65	0	H122	0	H179	0	H236	0.37
H9	0	H66	0	H123	0	H180	0	H237	0
H10	0	H67	0	H124	0	H181	0	H238	0
H11	0	H68	0	H125	0	H182	0	H239	0
H12	0	H69	0	H126	0	H183	0	H240	0
H13	0	H70	0	H127	0	H184	0	H241	0
H14	0	H71	0	H128	0	H185	0	H242	0.51
H15	0	H72	0	H129	0	H186	0	H243	0
H16	0	H73	0	H130	0	H187	0	H244	0.12
H17	0	H74	0	H131	0	H188	0	H245	0
H18	0	H75	0	H132	0	H189	0	H246	0
H19	0	H76	0	H133	0	H190	0	H247	0
H20	0	H77	0	H134	0	H191	0	H248	0
H21	0	H78	0	H135	0	H192	0	H249	0
H22	0	H79	0	H136	0	H193	0	H250	0
H23	0	H80	0	H137	0	H194	0.18	H251	0
H24	0	H81	0	H138	0	H195	0.56	H252	0
H25	0	H82	0	H139	0	H196	3.94	H253	0
H26	0	H83	0	H140	0	H197	1.56	H254	0
H27	0	H84	0	H141	0	H198	0	H255	0
H28	0	H85	0	H142	0	H199	2.07		
H29	0	H86	0	H143	0	H200	0		
H30	0	H87	0	H144	0	H201	0		
H31	0	H88	0	H145	0	H202	0		
H32	0	H89	0	H146	0	H203	0.28		
H33	0	H90	0	H147	0	H204	0		
H34	0	H91	0	H148	0	H205	0.45		
H35	0	H92	0	H149	0	H206	0.25		
H36	0	H93	0	H150	0	H207	0		
H37	0	H94	0	H151	0	H208	0.44		
H38	0	H95	0	H152	0	H209	0.43		
H39	0	H96	0	H153	0	H210	0.53		
H40	0	H97	0	H154	0	H211	0		
H41	0	H98	0	H155	0	H212	0.51		
H42	0	H99	0	H156	0	H213	0.52		
H43	0	H100	0	H157	0	H214	0.87		
H44	0	H101	0	H158	0	H215	0.72		
H45	0	H102	0	H159	0	H216	0		
H46	0	H103	0	H160	0	H217	0		
H47	0	H104	0	H161	0	H218	0		
H48	0	H105	0	H162	0	H219	0		
H49	0	H106	0	H163	0	H220	0		
H50	0	H107	0	H164	0	H221	0		
H51	0	H108	0	H165	0	H222	0		
H52	0	H109	0	H166	0	H223	0		
H53	0	H110	0	H167	0	H224	0		
H54	0	H111	0	H168	0	H225	0		
H55	0	H112	0	H169	0	H226	0		
H56	0	H113	0	H170	0	H227	0		
H57	0	H114	0	H171	0	H228	0		

Bygning	T1	T2	T3	T4	T7	T8	T9	T10	T11	T12	T13	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T43	T44	T46	T47	T48	T49	T50	T51	T52	T53	T54	T55	T56	T57	T58
H236	0	6.2	0	0	0	0	6.7	0	0	9.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H242	6.5	5.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H244	0.2	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H246	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H248	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H251	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H252	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H253	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H254	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Tabell 5.1: Skyggekastreduksjonsfaktorer pga. utilstrekkelig solinnstråling [7]

[Merknad 1: Reduksjonsfaktoren er en multiplikator som skal brukes på teoretisk skyggekvantum (i timer). Derfor er effekten av faktor 100,00 % at det ikke er noen redusert skyggekastning.]

[Merknad 2: Tabellen er delt for å få plass til turbinkolonnene].

Bygning	1	2	4	7	8	9	11	12	29	30	31	32	33	34
H194														
H195														
H196														
H197														
H199														
H203														
H205										100.00%			100.00%	100.00%
H206														
H208												100.00%		
H209												100.00%		
H210											100.00%	100.00%		
H212									100.00%			100.00%		
H213									100.00%					
H214									100.00%	100.00%	100.00%	100.00%		
H215									100.00%	100.00%	98.86%			
H231	97.51%		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						
H233						100.00%	100.00%	100.00%						
H236		59.48%				76.96%		69.67%						
H242	96.68%	96.62%												
H244	100.00%	100.00%												

Bygning	36	38	46	47	48	49	50	51	52	53	54	55	56	58
H194							100.00%							
H195						100.00%	100.00%							
H196			100.00%		98.88%	100.00%	100.00%	100.00%	100.00%					
H197				100.00%		100.00%	100.00%						100.00%	
H199						100.00%	100.00%	99.22%	100.00%	100.00%			100.00%	
H203		100.00%												
H205	100.00%										98.58%	100.00%		100.00%
H206		100.00%												
H208														
H209														
H210														
H212														
H213														
H214														
H215														
H231														
H233														
H236														
H242														
H244														

Tabell 5.2: Observert skydekke i nærheten av Skveneheii [9], (kilde – www.ipcc-data.org [11]).

Måned	Skydekke
Januar	71%
Februar	65%
Mars	69%
April	61%
Mai	62%
Juni	56%
Juli	58%
August	60%
September	68%
Oktober	70%
November	69%
Desember	68%

Tabell 5.3: Skyggekastreduksjonsfaktorer pga. skydekke [7]. Merk: Tabellen er delt for å få plass til turbinkolonnene].

Bygning	1	2	4	7	8	9	11	12	29	30	31	32	33	34
H194														
H195														
H196														
H197														
H199														
H203														
H205										43.29%			39.07%	39.38%
H206														
H208												39.33%		
H209												34.98%		
H210											30.63%	30.59%		
H212									32.40%			32.99%		
H213									32.43%					
H214									32.46%	32.69%	29.98%	31.43%		
H215									30.19%	30.00%	30.49%			
H231	43.12%		37.98%	31.81%	39.27%	39.43%	32.05%	33.52%						
H233						40.45%	32.76%	31.78%						
H236		39.24%				30.90%		32.63%						
H242	31.94%	32.08%												
H244	32.40%	32.40%												

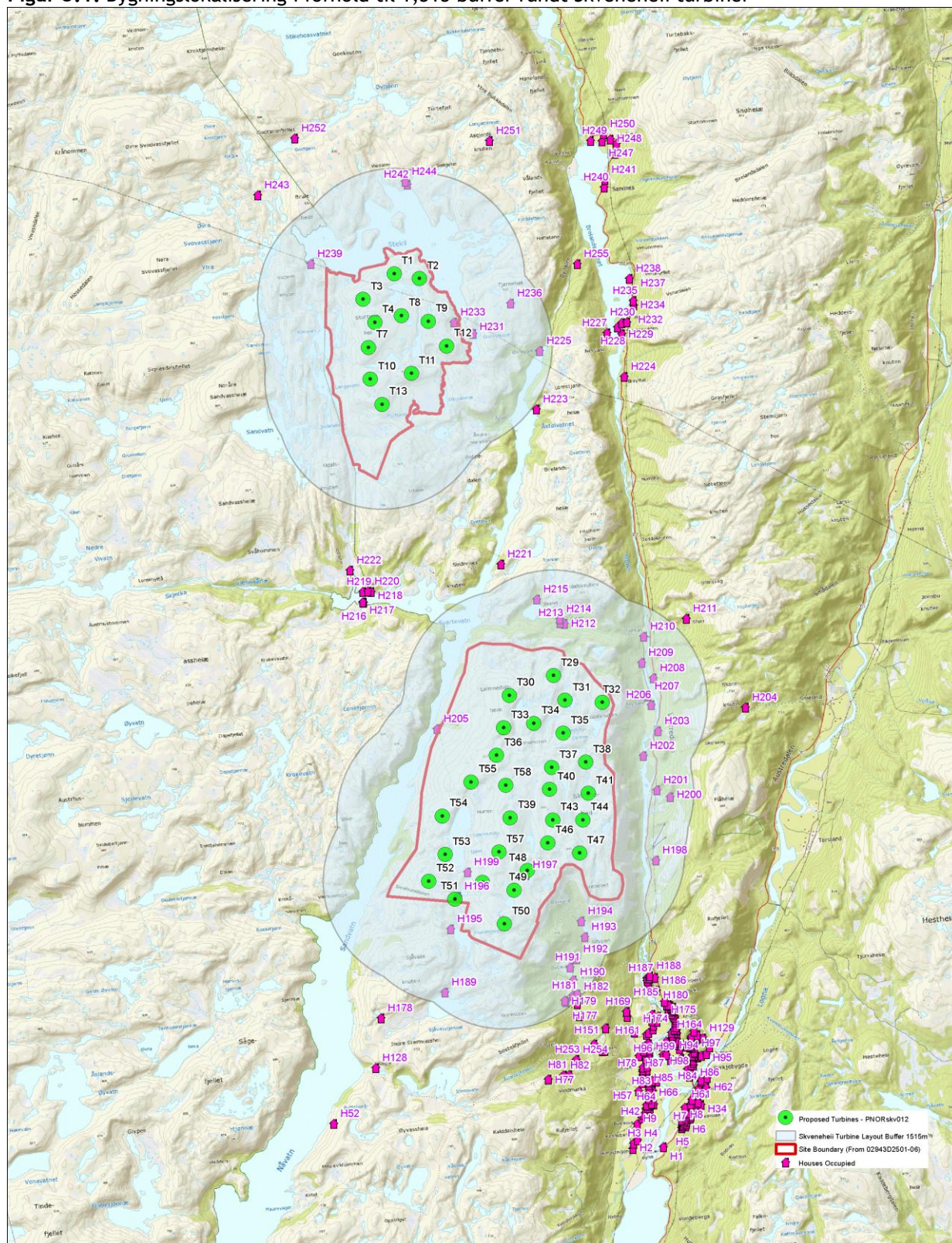
Bygning	36	38	46	47	48	49	50	51	52	53	54	55	56	58
H194							38.78%							
H195					43.49%	42.96%	39.08%							
H196			43.43%		39.56%	39.27%	31.05%	40.80%	42.02%					
H197				41.30%		31.58%	30.60%						32.85%	
H199						31.82%	32.34%	31.22%	31.70%	43.04%			36.10%	
H203		37.19%												
H205	32.96%										30.30%	32.13%		30.60%
H206		31.79%												
H208														
H209														
H210														
H212														
H213														
H214														
H215														
H231														
H233														
H236														
H242														
H244														

Tabell 5.4: Kombinerte soleffekt- og skydekkereduksjonsfaktor og derav følgende årlige timer med skyggeflimmer [7]. *Rødt angir resulterende totalt antall timer >8 timer/år

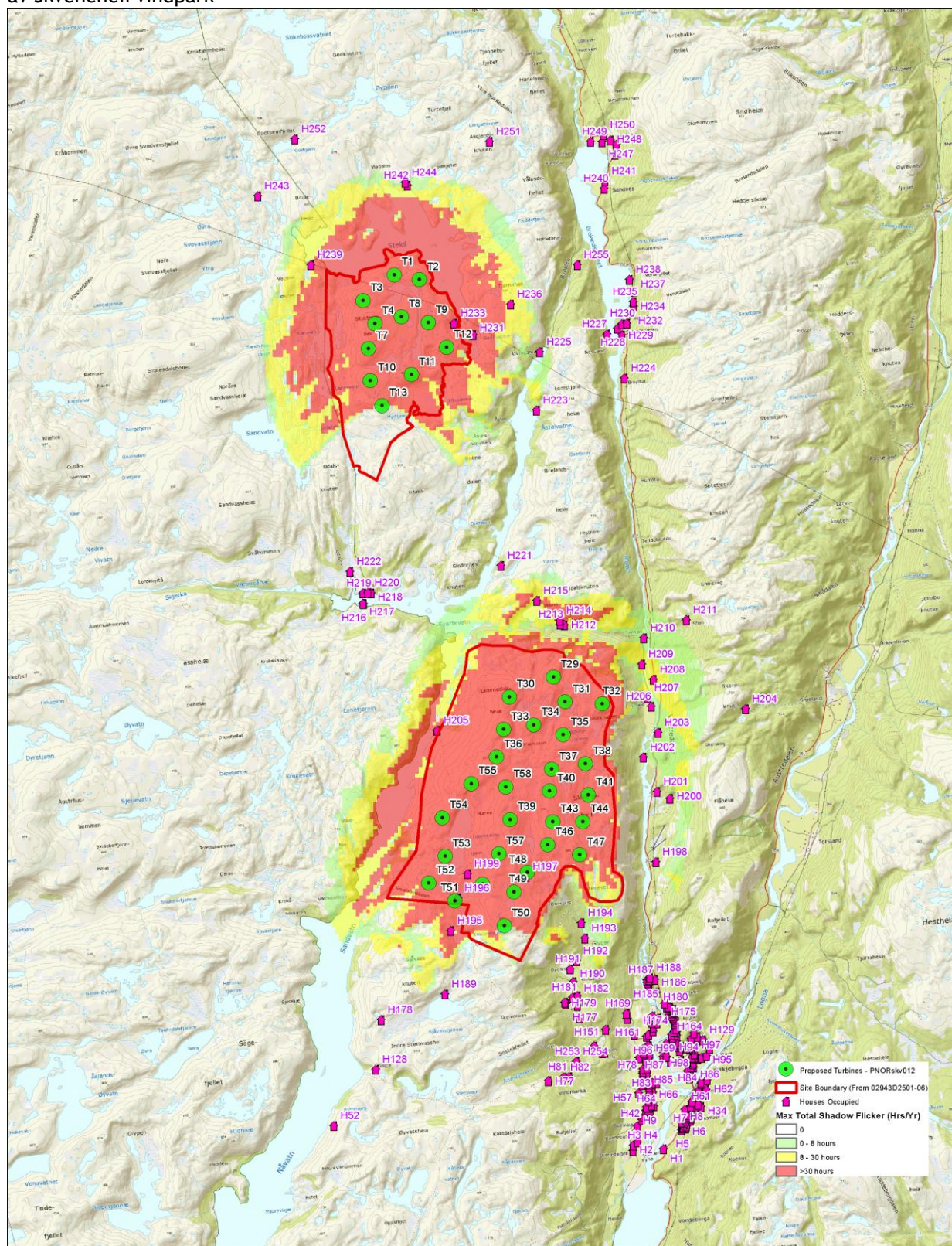
Bygning	Timer totalt	Soleffektreduksjonsfaktor	Resulterende timer	Skydekkereduksjonsfaktor	Resulterende timer totalt
194	1.3	100.00%	1.3	38.78%	0.5
195	40.2	92.94%	37.4	41.07%	15.3
196	455.5	99.98%	455.4	40.56%	184.7
197	181.7	100.00%	181.7	33.45%	60.8
199	265.5	99.76%	264.9	34.61%	91.7
203	1.9	100.00%	1.9	37.19%	0.7
205	64.2	99.66%	64.0	35.30%	22.6
206	1.1	100.00%	1.1	31.79%	0.3
208	12.7	100.00%	12.7	39.33%	5.0
209	9.7	100.00%	9.7	34.98%	3.4
210	8.3	100.00%	8.3	30.60%	2.5
212	15.5	100.00%	15.5	32.55%	5.0
213	10.7	100.00%	10.7	32.43%	3.5
214	30.9	100.00%	30.9	32.19%	9.9
215	31.9	99.68%	31.8	30.22%	9.6
231	108.4	99.72%	108.1	36.88%	39.9
233	165.1	100.00%	165.1	36.85%	60.8
236	22.5	69.04%	15.5	33.93%	5.3
242	11.5	96.65%	11.1	32.00%	3.6
244	0.5	100.00%	0.5	32.40%	0.2

FIGURS

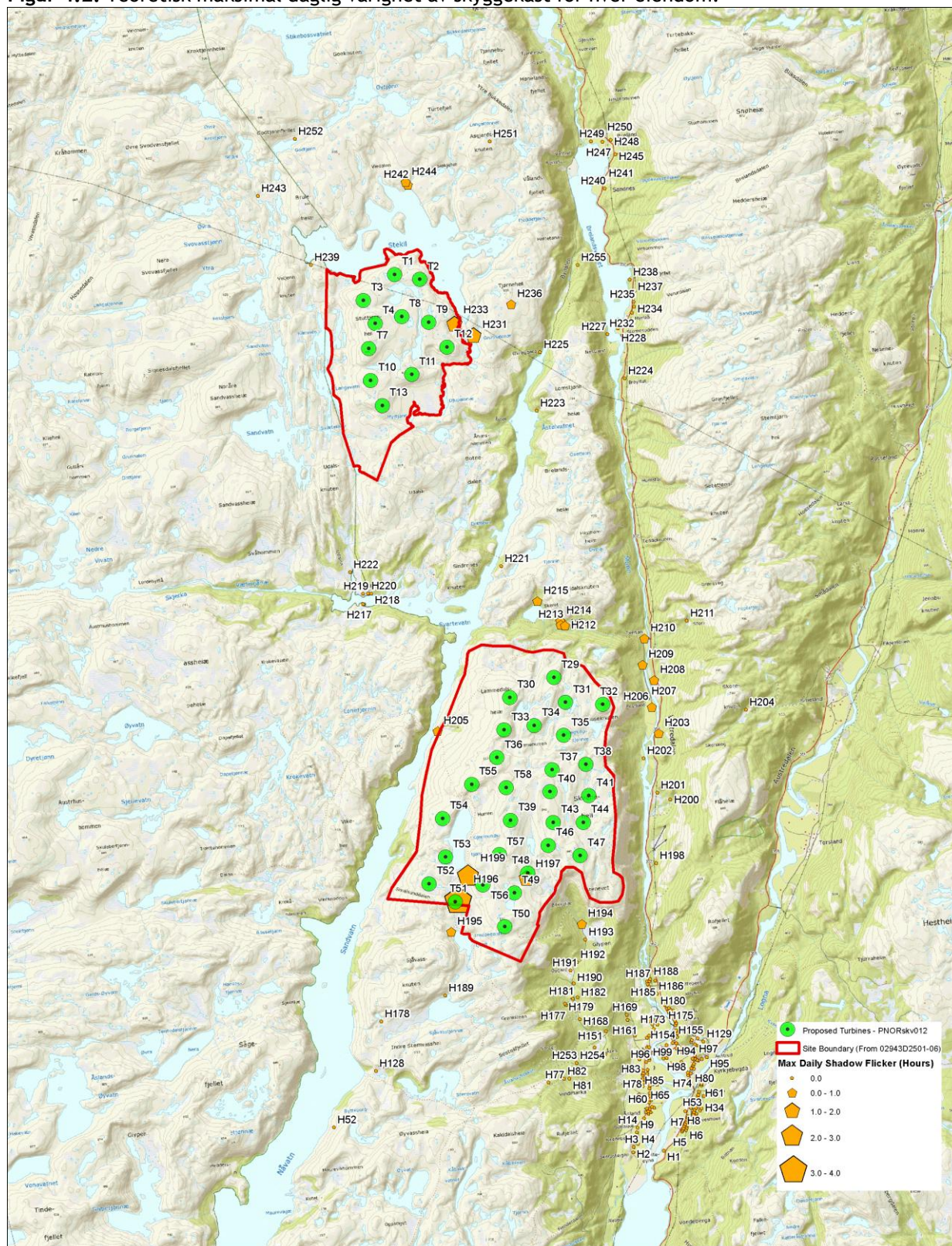
Figur 3.1: Bygningslokalisering i forhold til 1,515 buffer rundt Skvenehei turbiner



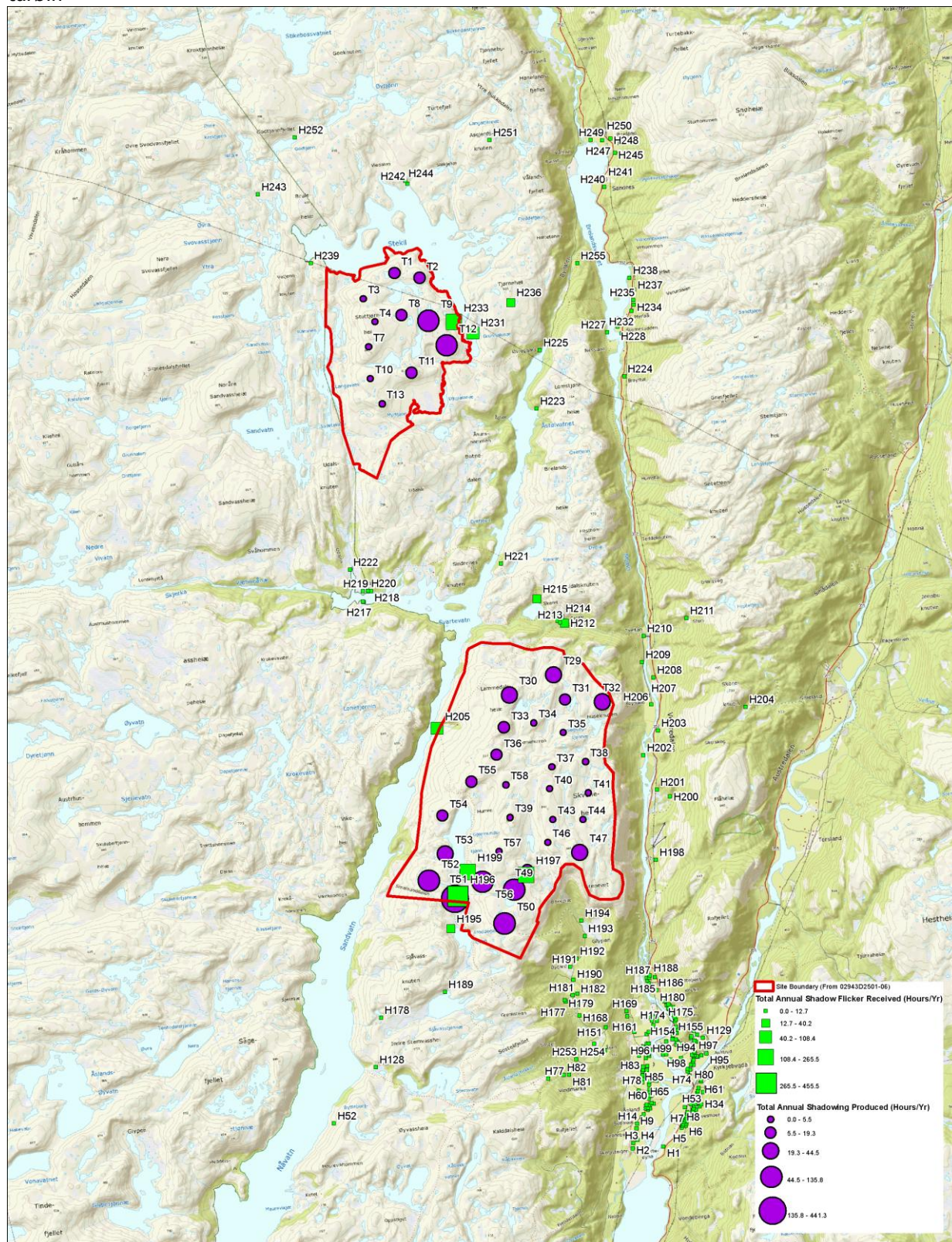
Figur 4.1: Skyggekart som viser total teoretisk årlig skyggekastvarighet for hver eiendom som følge av Skvенеheii vindpark



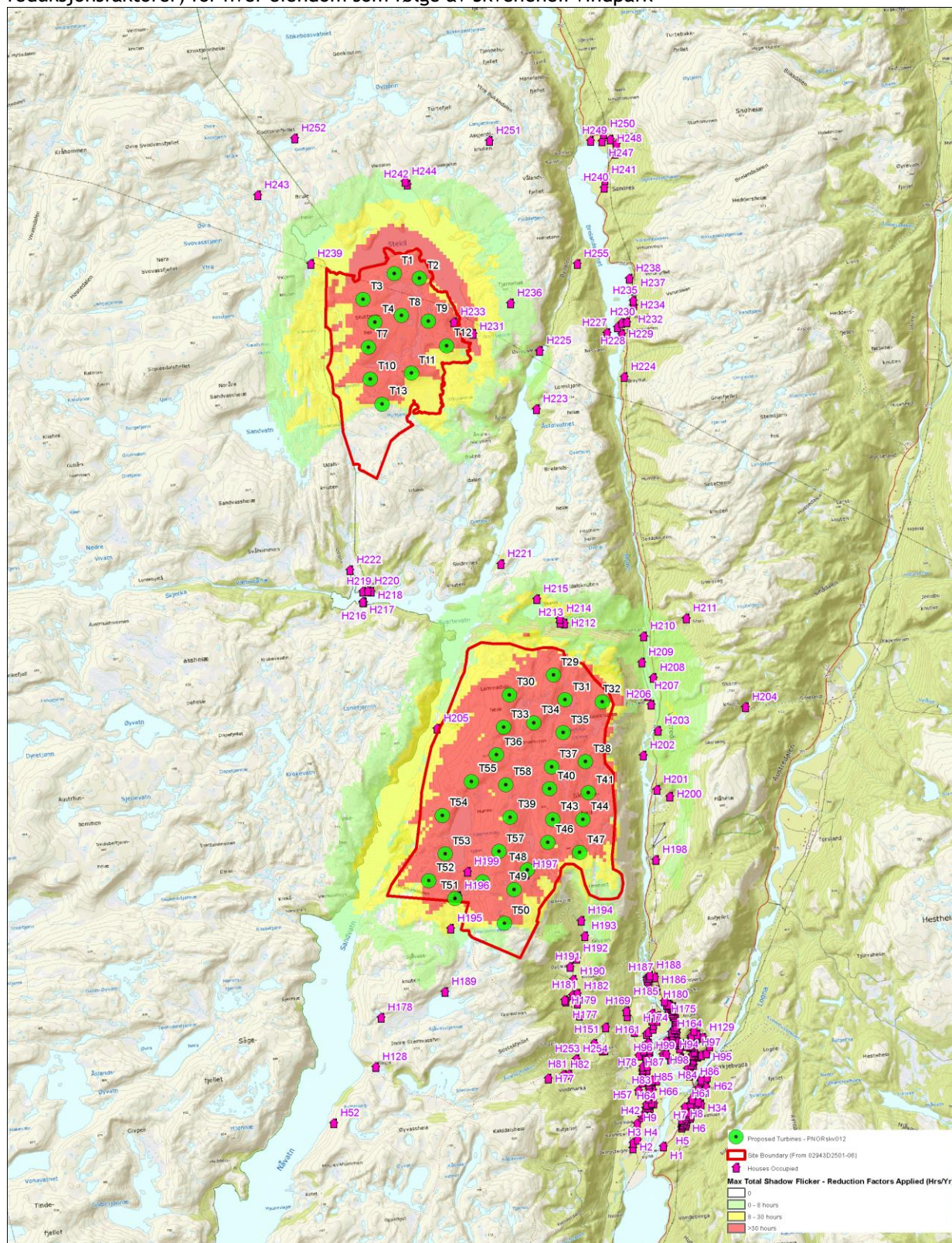
Figur 4.2: Teoretisk maksimal daglig varighet av skyggekast for hver eiendom.



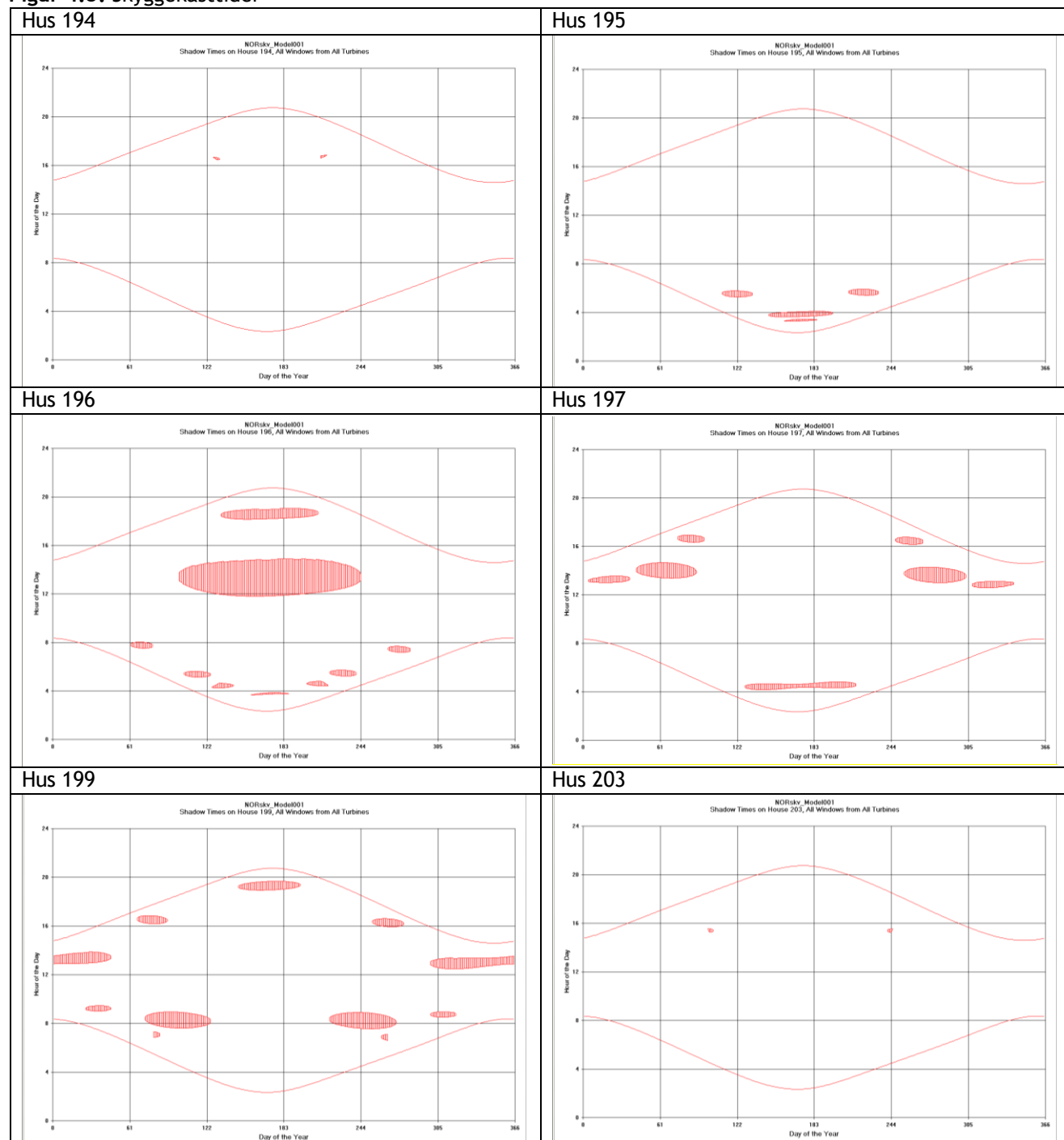
Figur 4.3: Teoretisk maksimalt årlig skyggekast for hver eiendom og varighet forårsaket av hver turbin



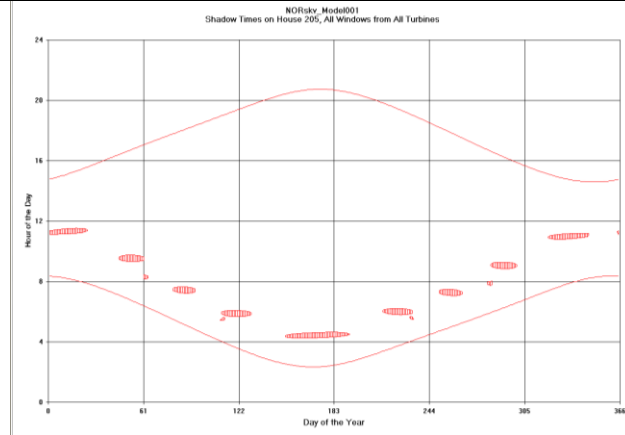
Figur 4.4: Skyggekart som viser total resulterende årlig skyggekastvarighet (med reduksjonsfaktorer) for hver eiendom som følge av Skvенеhei vindpark



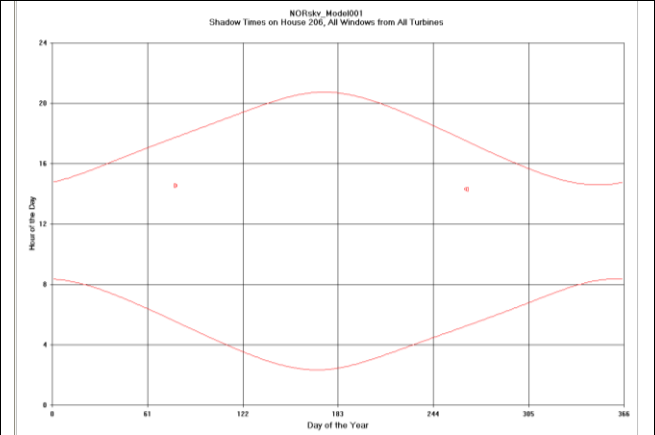
Figur 4.5: Skyggekasttider



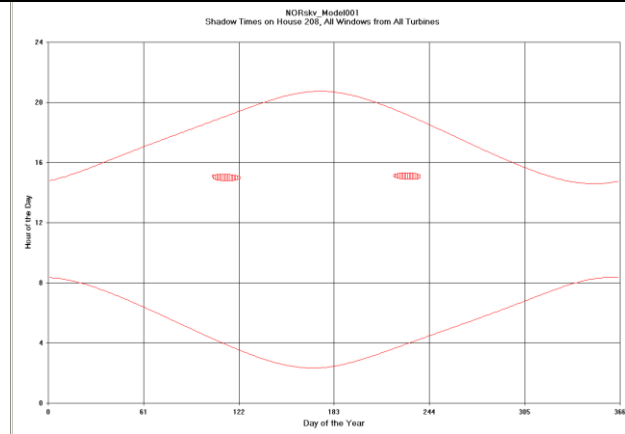
Hus 205



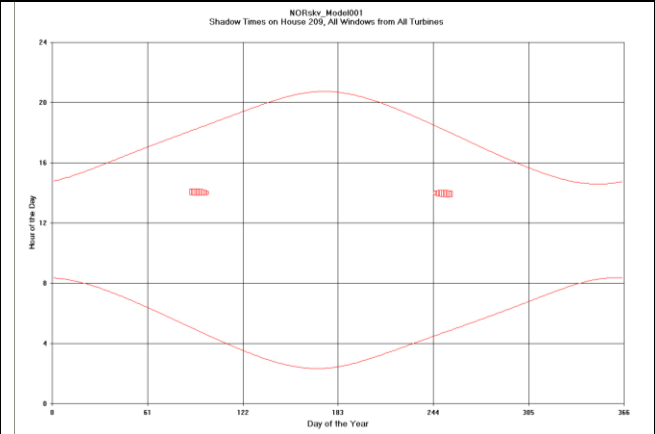
Hus 206



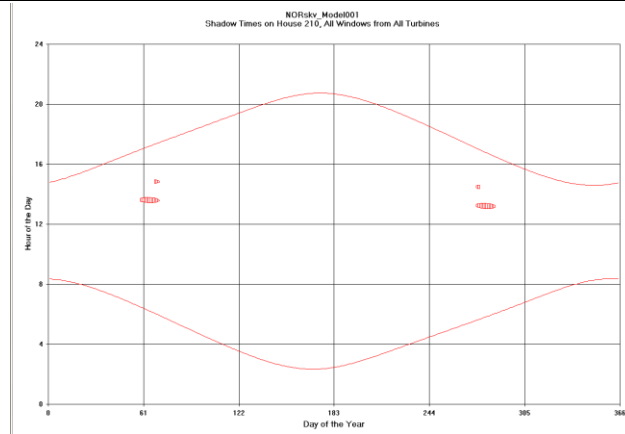
Hus 208



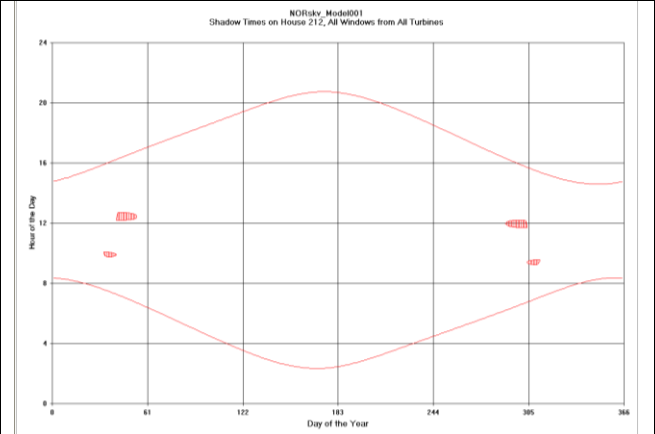
Hus 209



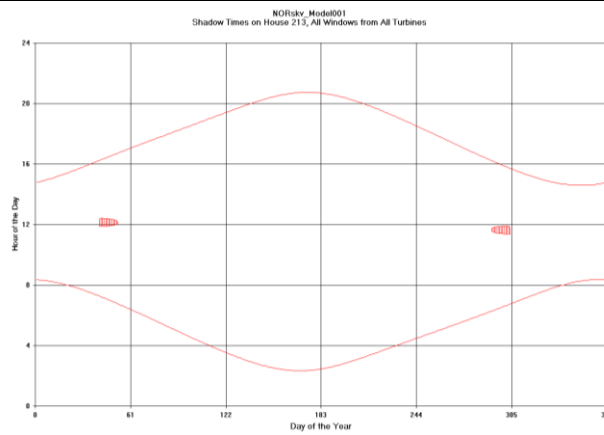
Hus 210



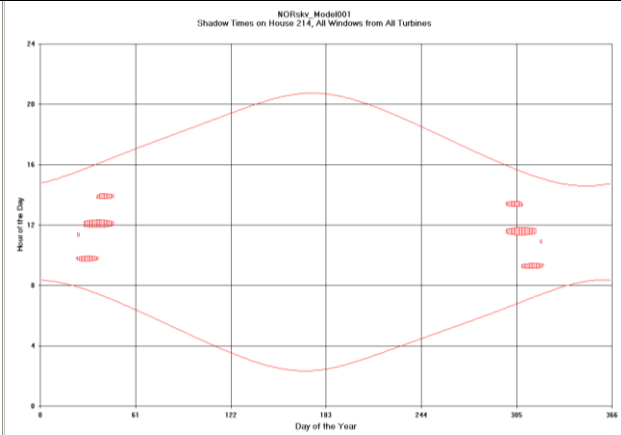
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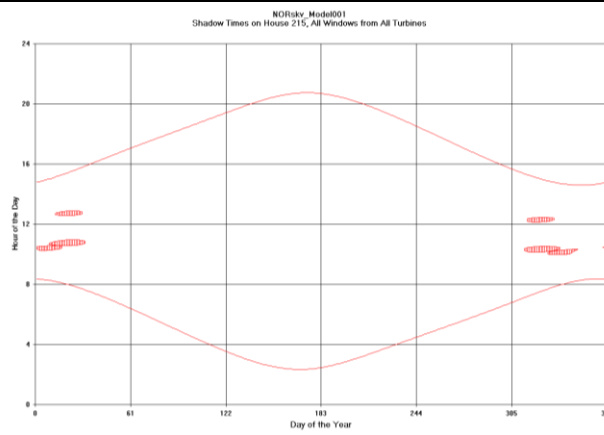
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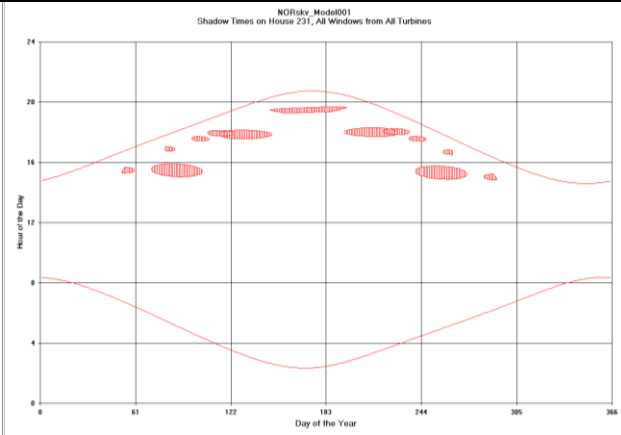
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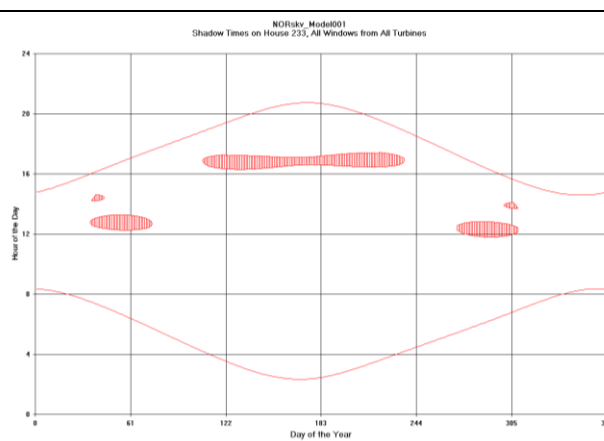
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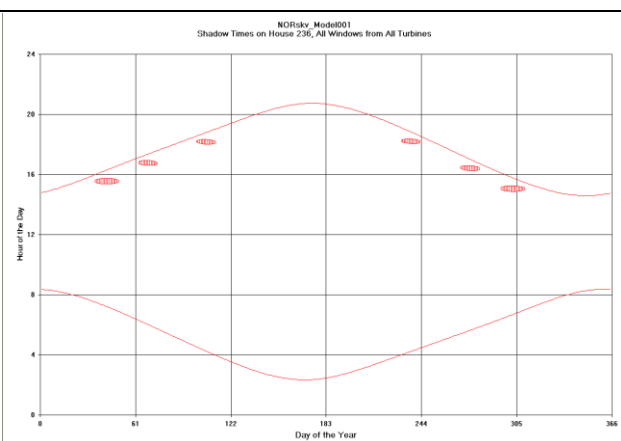
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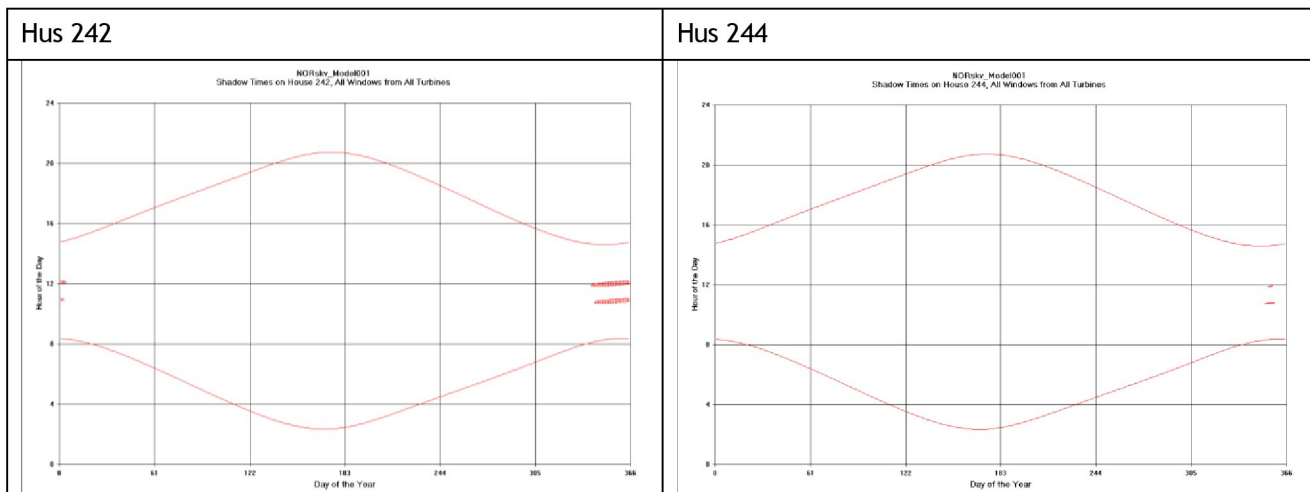


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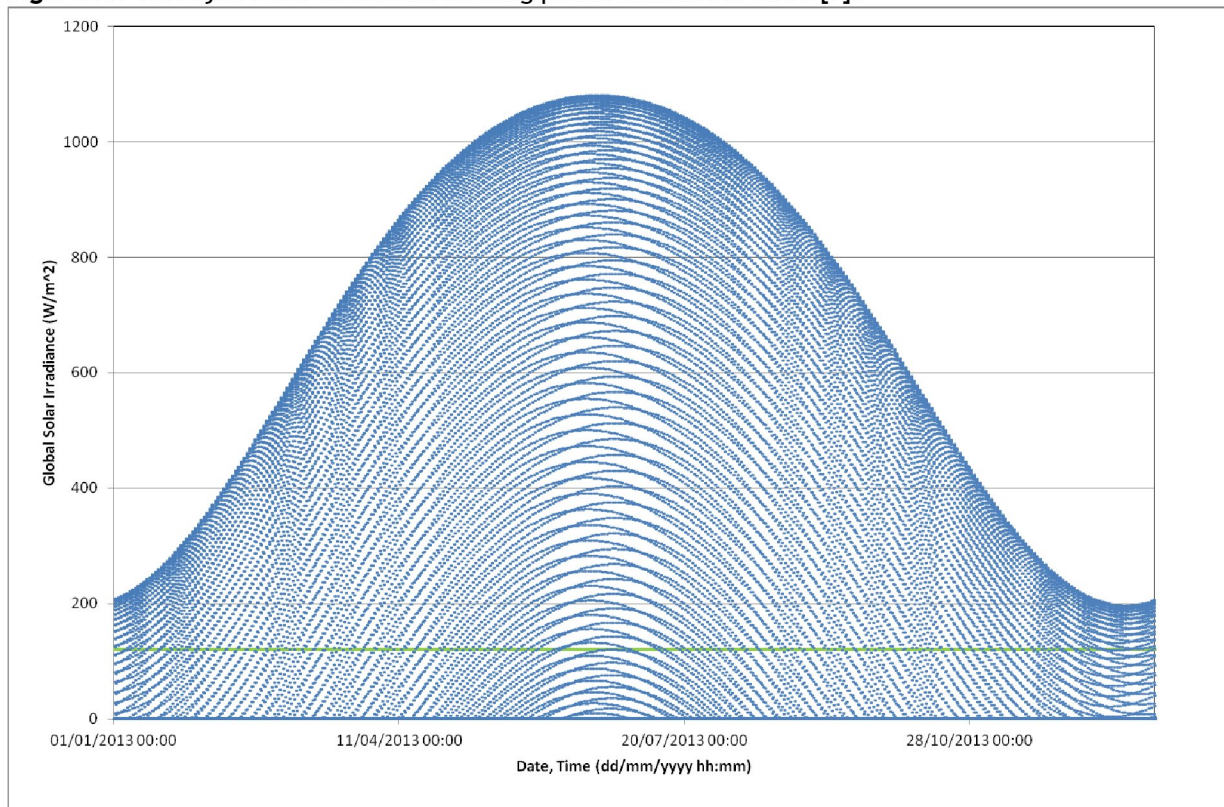


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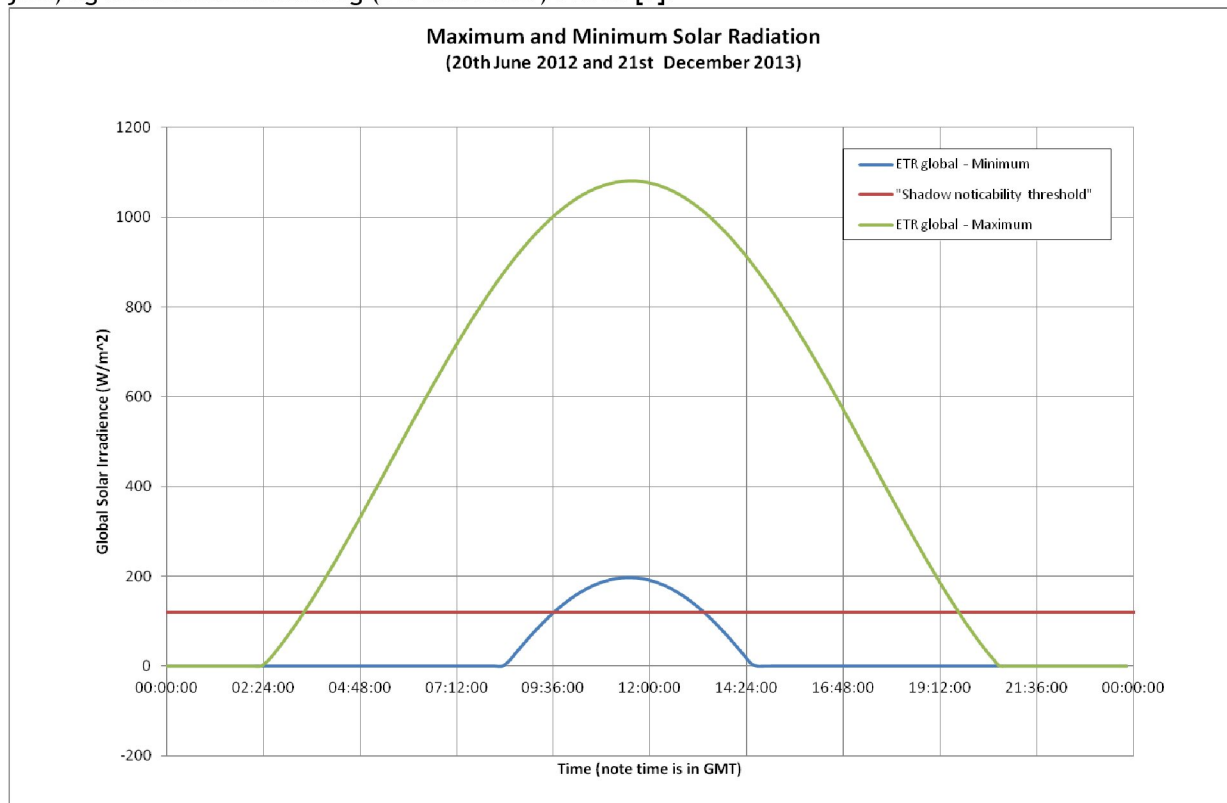




Figur 5.1: Variasjon i teoretisk solinnstråling på Skveneheii i år 2013 [7].



Figur 5.2: Variasjon i teoretisk solinnstråling på Skveneheii på dagen for maksimal solinnstråling (20. juni) og minimal solinnstråling (21. desember) i 2013 [7].



VEDLEGG A - SKYGGEKASTHENDELSER

Prosjekt : NORSKV
Kjøringsnavn: W:\WINDFARM\NORSKV\NORSKV.WFK
Tittel NORskv_Model001
Tidspunkt: 03/12/2012 17:17

SKYGGETIDER FOR HVERT HUS

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172		407893	6499107
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
173		407842	6499114
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
174		407868	6499125
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
175		407814	6499168
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
176		406558	6499141
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
177		406393	6499166
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
178		403739	6498933
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
179		406380	6499184
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
180		407698	6499330
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
181		406493	6499256
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
182		406559	6499280
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
183		407587	6499432
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
184		407566	6499471
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
185		407559	6499505
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
186		407676	6499516
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
187		407592	6499512
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
188		407602	6499541
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
189		404655	6499304
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
190		406505	6499481
Ingen skygge faller på dette vinduet			
Hus	Y-koordinat	X-koordinat	
191		406457	6499666
Ingen skygge faller på dette vinduet			

Hus	Y-koordinat	X-koordinat						
192		406548	6499785					
Ingen skygge faller på dette vinduet								
Hus	Y-koordinat	X-koordinat						
193		406666	6500106					
Ingen skygge faller på dette vinduet								
Hus	Y-koordinat	X-koordinat						
194		406617	6500331					
Turbin	Y-koordinat	X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning	
50		405508	6500294	127	16:38:42	16:41:16	00:02:33	100
50		405508	6500294	128	16:34:54	16:40:31	00:05:37	100
50		405508	6500294	129	16:31:18	16:39:34	00:08:16	100
50		405508	6500294	130	16:27:53	16:38:20	00:10:27	100
50		405508	6500294	131	16:26:54	16:36:39	00:09:45	52.64
50		405508	6500294	132	16:30:02	16:33:27	00:03:25	6.09
50		405508	6500294	212	16:37:25	16:46:10	00:08:45	41.57
50		405508	6500294	213	16:37:00	16:47:56	00:10:56	88.16
50		405508	6500294	214	16:40:14	16:49:08	00:08:54	100
50		405508	6500294	215	16:43:37	16:50:00	00:06:23	100
50		405508	6500294	216	16:47:11	16:50:39	00:03:28	100
50		405508	6500294	217	16:50:56	16:50:56	00:00:00	100
Hus	Y-koordinat	X-koordinat						
195		404741	6500216					
Turbin	Y-koordinat	X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning	
48		405838	6501061	159	03:18:12	03:18:28	00:00:16	57.63
48		405838	6501061	160	03:17:43	03:19:33	00:01:50	73.55
48		405838	6501061	161	03:17:25	03:20:34	00:03:09	88.21
48		405838	6501061	162	03:17:12	03:21:31	00:04:19	100
48		405838	6501061	163	03:17:04	03:22:24	00:05:20	100
48		405838	6501061	164	03:16:59	03:23:12	00:06:13	100
48		405838	6501061	165	03:16:58	03:23:56	00:06:58	100
48		405838	6501061	166	03:16:59	03:24:35	00:07:37	100
48		405838	6501061	167	03:17:02	03:25:11	00:08:09	100
48		405838	6501061	168	03:17:08	03:25:43	00:08:35	100
48		405838	6501061	169	03:17:16	03:26:10	00:08:55	100
48		405838	6501061	170	03:17:25	03:26:34	00:09:09	100
48		405838	6501061	171	03:17:35	03:26:53	00:09:18	100
48		405838	6501061	172	03:17:47	03:27:08	00:09:21	100
48		405838	6501061	173	03:18:01	03:27:19	00:09:18	100
48		405838	6501061	174	03:18:16	03:27:27	00:09:10	100
48		405838	6501061	175	03:18:33	03:27:30	00:08:57	100
48		405838	6501061	176	03:18:51	03:27:28	00:08:38	100
48		405838	6501061	177	03:19:10	03:27:23	00:08:13	100
48		405838	6501061	178	03:19:32	03:27:13	00:07:41	100
48		405838	6501061	179	03:19:55	03:26:59	00:07:04	100
48		405838	6501061	180	03:20:21	03:26:40	00:06:20	100
48		405838	6501061	181	03:20:49	03:26:17	00:05:28	100
48		405838	6501061	182	03:21:21	03:25:50	00:04:28	100
48		405838	6501061	183	03:21:57	03:25:17	00:03:20	90.25
48		405838	6501061	184	03:22:37	03:24:40	00:02:03	75.84
48		405838	6501061	185	03:23:24	03:23:58	00:00:35	60.19
49		405647	6500781	147	03:43:36	03:50:59	00:07:23	25.55
49		405647	6500781	148	03:41:59	03:52:47	00:10:47	55.88
49		405647	6500781	149	03:40:52	03:54:03	00:13:12	85.04
49		405647	6500781	150	03:40:03	03:55:04	00:15:02	100
49		405647	6500781	151	03:39:25	03:55:55	00:16:30	100
49		405647	6500781	152	03:38:57	03:56:39	00:17:43	100
49		405647	6500781	153	03:38:33	03:57:18	00:18:45	100
49		405647	6500781	154	03:38:15	03:57:52	00:19:37	100
49		405647	6500781	155	03:38:01	03:58:23	00:20:22	100
49		405647	6500781	156	03:37:52	03:58:51	00:20:59	100
49		405647	6500781	157	03:37:46	03:59:17	00:21:32	100
49		405647	6500781	158	03:37:42	03:59:41	00:21:59	100
49		405647	6500781	159	03:37:41	04:00:03	00:22:22	100
49		405647	6500781	160	03:37:42	04:00:24	00:22:41	100
49		405647	6500781	161	03:37:46	04:00:43	00:22:58	100
49		405647	6500781	162	03:37:50	04:01:02	00:23:12	100
49		405647	6500781	163	03:37:56	04:01:20	00:23:23	100
49		405647	6500781	164	03:38:04	04:01:36	00:23:33	100
49		405647	6500781	165	03:38:12	04:01:53	00:23:40	100
49		405647	6500781	166	03:38:22	04:02:08	00:23:47	100
49		405647	6500781	167	03:38:32	04:02:23	00:23:52	100
49		405647	6500781	168	03:38:42	04:02:38	00:23:56	100
49		405647	6500781	169	03:38:54	04:02:52	00:23:58	100
49		405647	6500781	170	03:39:06	04:03:06	00:24:00	100
49		405647	6500781	171	03:39:18	04:03:20	00:24:02	100
49		405647	6500781	172	03:39:31	04:03:33	00:24:02	100
49		405647	6500781	173	03:39:44	04:03:46	00:24:02	100
49		405647	6500781	174	03:39:58	04:03:58	00:24:01	100
49		405647	6500781	175	03:40:11	04:04:10	00:23:59	100
49		405647	6500781	176	03:40:26	04:04:22	00:23:56	100
49		405647	6500781	177	03:40:40	04:04:33	00:23:52	100
49		405647	6500781	178	03:40:56	04:04:43	00:23:47	100
49		405647	6500781	179	03:41:11	04:04:52	00:23:41	100
49		405647	6500781	180	03:41:27	04:05:01	00:23:34	100
49		405647	6500781	181	03:41:44	04:05:09	00:23:24	100
49		405647	6500781	182	03:42:02	04:05:15	00:23:13	100
49		405647	6500781	183	03:42:21	04:05:21	00:22:59	100
49		405647	6500781	184	03:42:41	04:05:24	00:22:44	100
49		405647	6500781	185	03:43:02	04:05:27	00:22:25	100
49		405647	6500781	186	03:43:25	04:05:27	00:22:02	100
49		405647	6500781	187	03:43:49	04:05:25	00:21:36	100
49		405647	6500781	188	03:44:16	04:05:20	00:21:04	100
49		405647	6500781	189	03:44:45	04:05:12	00:20:28	100
49		405647	6500781	190	03:45:17	04:05:01	00:19:44	100
49		405647	6500781	191	03:45:53	04:04:46	00:18:53	100

49	405647	6500781	192	03:46:33	04:04:26	00:17:53	100
49	405647	6500781	193	03:47:18	04:04:00	00:16:43	100
49	405647	6500781	194	03:48:09	04:03:27	00:15:18	100
49	405647	6500781	195	03:49:10	04:02:43	00:13:32	89.6
49	405647	6500781	196	03:50:28	04:01:44	00:11:16	60.87
49	405647	6500781	197	03:52:10	04:00:18	00:08:08	31
49	405647	6500781	198	03:56:15	03:56:25	00:00:11	0.01
50	405508	6500294	110	05:30:44	05:37:00	00:06:17	15.45
50	405508	6500294	111	05:26:42	05:40:35	00:13:53	79.05
50	405508	6500294	112	05:24:15	05:42:31	00:18:15	100
50	405508	6500294	113	05:22:24	05:43:51	00:21:27	100
50	405508	6500294	114	05:20:57	05:44:50	00:23:53	100
50	405508	6500294	115	05:19:47	05:45:35	00:25:47	100
50	405508	6500294	116	05:18:50	05:46:08	00:27:17	100
50	405508	6500294	117	05:18:04	05:46:32	00:28:27	100
50	405508	6500294	118	05:17:28	05:46:48	00:29:20	100
50	405508	6500294	119	05:16:59	05:46:56	00:29:57	100
50	405508	6500294	120	05:16:39	05:46:59	00:30:19	100
50	405508	6500294	121	05:16:26	05:46:55	00:30:29	100
50	405508	6500294	122	05:16:20	05:46:46	00:30:26	100
50	405508	6500294	123	05:16:20	05:46:31	00:30:11	100
50	405508	6500294	124	05:16:28	05:46:11	00:29:44	100
50	405508	6500294	125	05:16:42	05:45:46	00:29:05	100
50	405508	6500294	126	05:17:02	05:45:18	00:28:15	100
50	405508	6500294	127	05:17:30	05:44:44	00:27:13	100
50	405508	6500294	128	05:18:06	05:44:03	00:25:57	100
50	405508	6500294	129	05:18:50	05:43:16	00:24:25	100
50	405508	6500294	130	05:19:44	05:42:20	00:22:36	100
50	405508	6500294	131	05:20:50	05:41:15	00:20:24	100
50	405508	6500294	132	05:22:10	05:39:56	00:17:45	100
50	405508	6500294	133	05:23:50	05:38:16	00:14:26	79.93
50	405508	6500294	134	05:26:13	05:35:55	00:09:43	34.9
50	405508	6500294	210	05:36:46	05:45:41	00:08:55	29.16
50	405508	6500294	211	05:34:14	05:48:07	00:13:54	73.43
50	405508	6500294	212	05:32:27	05:49:47	00:17:20	100
50	405508	6500294	213	05:31:01	05:51:03	00:20:02	100
50	405508	6500294	214	05:29:48	05:52:04	00:22:16	100
50	405508	6500294	215	05:28:46	05:52:54	00:24:08	100
50	405508	6500294	216	05:27:52	05:53:34	00:25:42	100
50	405508	6500294	217	05:27:06	05:54:06	00:26:59	100
50	405508	6500294	218	05:26:27	05:54:31	00:28:04	100
50	405508	6500294	219	05:25:53	05:54:48	00:28:55	100
50	405508	6500294	220	05:25:25	05:55:01	00:29:36	100
50	405508	6500294	221	05:25:02	05:55:08	00:30:06	100
50	405508	6500294	222	05:24:45	05:55:09	00:30:24	100
50	405508	6500294	223	05:24:33	05:55:04	00:30:30	100
50	405508	6500294	224	05:24:27	05:54:51	00:30:24	100
50	405508	6500294	225	05:24:27	05:54:32	00:30:05	100
50	405508	6500294	226	05:24:33	05:54:06	00:29:33	100
50	405508	6500294	227	05:24:46	05:53:32	00:28:46	100
50	405508	6500294	228	05:25:07	05:52:50	00:27:43	100
50	405508	6500294	229	05:25:37	05:51:57	00:26:21	100
50	405508	6500294	230	05:26:17	05:50:54	00:24:37	100
50	405508	6500294	231	05:27:12	05:49:36	00:22:25	100
50	405508	6500294	232	05:28:26	05:48:00	00:19:35	100
50	405508	6500294	233	05:30:11	05:45:56	00:15:45	100
50	405508	6500294	234	05:32:44	05:42:53	00:10:09	40.93
Hus	Y-koordinat	X-koordinat					
196	404844	6500688					
Turbin	Y-koordinat	X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning
46	406133	6501462	157	03:40:19	03:40:51	00:00:32	100
46	406133	6501462	158	03:40:37	03:42:02	00:01:25	100
46	406133	6501462	159	03:40:43	03:43:09	00:02:26	100
46	406133	6501462	160	03:41:03	03:44:12	00:03:09	100
46	406133	6501462	161	03:41:23	03:45:10	00:03:47	100
46	406133	6501462	162	03:41:44	03:46:05	00:04:21	100
46	406133	6501462	163	03:42:05	03:46:55	00:04:51	100
46	406133	6501462	164	03:42:26	03:47:42	00:05:16	100
46	406133	6501462	165	03:42:46	03:48:24	00:05:38	100
46	406133	6501462	166	03:43:06	03:49:02	00:05:56	100
46	406133	6501462	167	03:43:26	03:49:37	00:06:11	100
46	406133	6501462	168	03:43:44	03:50:08	00:06:23	100
46	406133	6501462	169	03:44:02	03:50:34	00:06:33	100
46	406133	6501462	170	03:44:18	03:50:57	00:06:39	100
46	406133	6501462	171	03:44:33	03:51:16	00:06:43	100
46	406133	6501462	172	03:44:47	03:51:31	00:06:44	100
46	406133	6501462	173	03:44:59	03:51:43	00:06:43	100
46	406133	6501462	174	03:45:10	03:51:50	00:06:40	100
46	406133	6501462	175	03:45:20	03:51:53	00:06:33	100
46	406133	6501462	176	03:45:28	03:51:53	00:06:25	100
46	406133	6501462	177	03:45:35	03:51:48	00:06:13	100
46	406133	6501462	178	03:45:41	03:51:39	00:05:58	100
46	406133	6501462	179	03:45:46	03:51:27	00:05:40	100
46	406133	6501462	180	03:45:51	03:51:09	00:05:19	100
46	406133	6501462	181	03:45:54	03:50:48	00:04:54	100
46	406133	6501462	182	03:45:58	03:50:22	00:04:25	100
46	406133	6501462	183	03:46:01	03:49:52	00:03:51	100
46	406133	6501462	184	03:46:04	03:49:17	00:03:14	100
46	406133	6501462	185	03:46:07	03:48:38	00:02:31	100
46	406133	6501462	186	03:46:22	03:47:53	00:01:31	100
46	406133	6501462	187	03:46:26	03:47:04	00:00:38	100
48	405838	6501061	126	04:16:41	04:19:09	00:02:29	100
48	405838	6501061	127	04:16:03	04:22:57	00:06:54	100
48	405838	6501061	128	04:15:35	04:26:34	00:10:59	100
48	405838	6501061	129	04:15:15	04:29:59	00:14:44	100
48	405838	6501061	130	04:15:03	04:33:15	00:18:11	100

48	405838	6501061	131	04:14:58	04:36:20	00:21:22	100
48	405838	6501061	132	04:15:00	04:38:25	00:23:25	100
48	405838	6501061	133	04:15:08	04:38:14	00:23:06	100
48	405838	6501061	134	04:15:23	04:37:58	00:22:35	100
48	405838	6501061	135	04:15:44	04:37:36	00:21:52	100
48	405838	6501061	136	04:16:11	04:37:09	00:20:58	100
48	405838	6501061	137	04:16:45	04:36:36	00:19:50	100
48	405838	6501061	138	04:17:27	04:35:56	00:18:28	100
48	405838	6501061	139	04:18:18	04:35:07	00:16:50	100
48	405838	6501061	140	04:19:19	04:34:14	00:14:55	100
48	405838	6501061	141	04:20:35	04:33:06	00:12:31	78.92
48	405838	6501061	142	04:22:16	04:31:36	00:09:20	42.11
48	405838	6501061	143	04:25:10	04:28:52	00:03:42	6.4
48	405838	6501061	201	04:35:47	04:37:34	00:01:47	1.48
48	405838	6501061	202	04:32:20	04:41:05	00:08:45	36.65
48	405838	6501061	203	04:30:42	04:42:47	00:12:06	72.88
48	405838	6501061	204	04:29:29	04:44:03	00:14:34	100
48	405838	6501061	205	04:28:30	04:45:02	00:16:32	100
48	405838	6501061	206	04:27:42	04:45:54	00:18:12	100
48	405838	6501061	207	04:27:01	04:46:38	00:19:37	100
48	405838	6501061	208	04:26:27	04:47:13	00:20:46	100
48	405838	6501061	209	04:25:59	04:47:41	00:21:43	100
48	405838	6501061	210	04:25:35	04:48:03	00:22:27	100
48	405838	6501061	211	04:25:17	04:48:18	00:23:00	100
48	405838	6501061	212	04:25:04	04:48:27	00:23:22	100
48	405838	6501061	213	04:24:57	04:47:07	00:22:10	100
48	405838	6501061	214	04:24:54	04:43:59	00:19:05	100
48	405838	6501061	215	04:24:57	04:40:41	00:15:44	100
48	405838	6501061	216	04:25:07	04:37:11	00:12:05	100
48	405838	6501061	217	04:25:23	04:33:30	00:08:07	100
48	405838	6501061	218	04:25:47	04:29:36	00:03:50	100
49	405647	6500781	104	05:21:20	05:29:31	00:08:12	27.96
49	405647	6500781	105	05:17:48	05:32:32	00:14:44	94.97
49	405647	6500781	106	05:15:26	05:34:16	00:18:50	100
49	405647	6500781	107	05:13:40	05:35:28	00:21:48	100
49	405647	6500781	108	05:12:17	05:36:20	00:24:03	100
49	405647	6500781	109	05:11:10	05:36:57	00:25:46	100
49	405647	6500781	110	05:10:16	05:37:22	00:27:05	100
49	405647	6500781	111	05:09:34	05:37:37	00:28:03	100
49	405647	6500781	112	05:09:01	05:37:44	00:28:43	100
49	405647	6500781	113	05:08:37	05:37:43	00:29:05	100
49	405647	6500781	114	05:08:22	05:37:34	00:29:12	100
49	405647	6500781	115	05:08:14	05:37:18	00:29:04	100
49	405647	6500781	116	05:08:15	05:36:56	00:28:41	100
49	405647	6500781	117	05:08:24	05:36:26	00:28:02	100
49	405647	6500781	118	05:08:42	05:35:49	00:27:07	100
49	405647	6500781	119	05:09:08	05:35:05	00:25:57	100
49	405647	6500781	120	05:09:45	05:34:15	00:24:30	100
49	405647	6500781	121	05:10:33	05:33:14	00:22:41	100
49	405647	6500781	122	05:11:35	05:32:00	00:20:25	100
49	405647	6500781	123	05:12:57	05:30:30	00:17:33	100
49	405647	6500781	124	05:14:44	05:28:32	00:13:48	77.6
49	405647	6500781	125	05:17:37	05:25:31	00:07:54	24.34
49	405647	6500781	219	05:27:53	05:33:30	00:05:38	12.15
49	405647	6500781	220	05:24:13	05:36:53	00:12:40	64.36
49	405647	6500781	221	05:22:03	05:38:46	00:16:43	100
49	405647	6500781	222	05:20:22	05:40:06	00:19:44	100
49	405647	6500781	223	05:18:59	05:41:06	00:22:07	100
49	405647	6500781	224	05:17:51	05:41:52	00:24:02	100
49	405647	6500781	225	05:16:53	05:42:27	00:25:34	100
49	405647	6500781	226	05:16:05	05:42:52	00:26:48	100
49	405647	6500781	227	05:15:24	05:43:11	00:27:47	100
49	405647	6500781	228	05:14:51	05:43:21	00:28:30	100
49	405647	6500781	229	05:14:25	05:43:23	00:28:58	100
49	405647	6500781	230	05:14:05	05:43:17	00:29:12	100
49	405647	6500781	231	05:13:53	05:43:04	00:29:11	100
49	405647	6500781	232	05:13:48	05:42:42	00:28:54	100
49	405647	6500781	233	05:13:50	05:42:12	00:28:22	100
49	405647	6500781	234	05:14:01	05:41:33	00:27:32	100
49	405647	6500781	235	05:14:21	05:40:44	00:26:24	100
49	405647	6500781	236	05:14:52	05:39:44	00:24:53	100
49	405647	6500781	237	05:15:36	05:38:31	00:22:55	100
49	405647	6500781	238	05:16:39	05:36:59	00:20:21	100
49	405647	6500781	239	05:18:08	05:35:03	00:16:55	100
49	405647	6500781	240	05:20:20	05:32:21	00:12:01	61.08
50	405508	6500294	62	07:42:34	07:55:05	00:12:31	61.89
50	405508	6500294	63	07:39:41	07:57:29	00:17:48	100
50	405508	6500294	64	07:37:35	07:59:02	00:21:27	100
50	405508	6500294	65	07:35:59	08:00:07	00:24:08	100
50	405508	6500294	66	07:34:42	08:00:52	00:26:10	100
50	405508	6500294	67	07:33:41	08:01:22	00:27:41	100
50	405508	6500294	68	07:32:52	08:01:39	00:28:47	100
50	405508	6500294	69	07:32:15	08:01:44	00:29:30	100
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50	405508	6500294	72	07:31:24	08:00:55	00:29:32	100
50	405508	6500294	73	07:31:27	08:00:17	00:28:50	100
50	405508	6500294	74	07:31:42	07:59:27	00:27:46	100
50	405508	6500294	75	07:32:09	07:58:24	00:26:15	100
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50	405508	6500294	265	07:26:33	07:31:26	00:04:53	9.74
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50	405508	6500294	267	07:19:04	07:38:10	00:19:05	100
50	405508	6500294	268	07:17:07	07:39:29	00:22:22	100

50	405508	6500294	269	07:15:33	07:40:23	00:24:50	100
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50	405508	6500294	271	07:13:17	07:41:21	00:28:04	100
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50	405508	6500294	273	07:11:52	07:41:30	00:29:38	100
50	405508	6500294	274	07:11:25	07:41:19	00:29:54	100
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50	405508	6500294	276	07:11:03	07:40:28	00:29:25	100
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50	405508	6500294	281	07:13:46	07:34:59	00:21:13	100
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51	404797	6500652	100	13:07:19	13:42:59	00:35:39	65.76
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51	404797	6500652	174	11:50:24	14:48:49	02:58:24	100
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51	404797	6500652	177	11:51:13	14:49:14	02:58:01	100
51	404797	6500652	178	11:51:31	14:53:16	03:01:45	100
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51	404797	6500652	180	11:52:09	14:53:24	03:01:16	100
51	404797	6500652	181	11:52:29	14:53:27	03:00:57	100

51	404797	6500652	182	11:52:50	14:53:27	03:00:37	100
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52	404421	6500909	134	18:22:31	18:38:35	00:16:04	60.45
52	404421	6500909	135	18:20:09	18:41:03	00:20:54	100
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52	404421	6500909	157	18:09:31	18:58:15	00:48:44	100
52	404421	6500909	158	18:09:36	18:58:35	00:48:59	100
52	404421	6500909	159	18:09:41	18:58:54	00:49:12	100
52	404421	6500909	160	18:09:48	18:59:12	00:49:24	100
52	404421	6500909	161	18:09:56	18:59:30	00:49:34	100
52	404421	6500909	162	18:10:05	18:59:47	00:49:43	100
52	404421	6500909	163	18:10:14	19:00:04	00:49:50	100
52	404421	6500909	164	18:10:24	18:56:24	00:46:00	100
52	404421	6500909	165	18:10:34	18:56:40	00:46:05	100
52	404421	6500909	166	18:10:45	18:56:55	00:46:10	100

	52		404421	6500909	167	18:10:57	18:57:10	00:46:13	100
	52		404421	6500909	168	18:11:09	18:57:25	00:46:16	100
	52		404421	6500909	169	18:11:21	18:57:39	00:46:18	100
	52		404421	6500909	170	18:11:33	18:57:52	00:46:19	100
	52		404421	6500909	171	18:11:46	18:58:06	00:46:20	100
	52		404421	6500909	172	18:11:59	18:58:19	00:46:20	100
	52		404421	6500909	173	18:12:12	18:58:31	00:46:19	100
	52		404421	6500909	174	18:12:26	18:58:43	00:46:18	100
	52		404421	6500909	175	18:12:39	18:58:55	00:46:16	100
	52		404421	6500909	176	18:12:53	18:59:06	00:46:13	100
	52		404421	6500909	177	18:13:07	18:59:16	00:46:09	100
	52		404421	6500909	178	18:13:21	18:59:26	00:46:05	100
	52		404421	6500909	179	18:13:36	18:59:35	00:45:59	100
	52		404421	6500909	180	18:13:51	19:03:40	00:49:49	100
	52		404421	6500909	181	18:14:06	19:03:47	00:49:42	100
	52		404421	6500909	182	18:14:21	19:03:54	00:49:33	100
	52		404421	6500909	183	18:14:37	19:03:59	00:49:23	100
	52		404421	6500909	184	18:14:53	19:04:04	00:49:11	100
	52		404421	6500909	185	18:15:09	19:04:07	00:48:58	100
	52		404421	6500909	186	18:15:27	19:04:09	00:48:42	100
	52		404421	6500909	187	18:15:44	19:04:09	00:48:25	100
	52		404421	6500909	188	18:16:03	19:04:08	00:48:05	100
	52		404421	6500909	189	18:16:22	19:04:05	00:47:43	100
	52		404421	6500909	190	18:16:42	19:03:59	00:47:18	100
	52		404421	6500909	191	18:17:03	19:03:53	00:46:49	100
	52		404421	6500909	192	18:17:25	19:03:43	00:46:18	100
	52		404421	6500909	193	18:17:49	19:03:31	00:45:43	100
	52		404421	6500909	194	18:18:13	19:03:17	00:45:03	100
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	52		404421	6500909	196	18:19:08	19:02:39	00:43:30	100
	52		404421	6500909	197	18:19:38	19:02:14	00:42:36	100
	52		404421	6500909	198	18:20:11	19:01:46	00:41:35	100
	52		404421	6500909	199	18:20:46	19:01:14	00:40:28	100
	52		404421	6500909	200	18:21:25	19:00:37	00:39:12	100
	52		404421	6500909	201	18:22:06	18:59:54	00:37:48	100
	52		404421	6500909	202	18:22:53	18:59:06	00:36:13	100
	52		404421	6500909	203	18:23:44	18:58:10	00:34:27	100
	52		404421	6500909	204	18:24:41	18:57:06	00:32:25	100
	52		404421	6500909	205	18:25:45	18:55:57	00:30:12	100
	52		404421	6500909	206	18:26:59	18:54:40	00:27:40	100
	52		404421	6500909	207	18:28:26	18:53:08	00:24:42	100
	52		404421	6500909	208	18:30:12	18:51:16	00:21:04	100
	52		404421	6500909	209	18:32:30	18:48:50	00:16:20	62.31
	52		404421	6500909	210	18:36:08	18:45:03	00:08:55	18.21
Hus		Y-koordinat	X-koordinat						
Turbin	197	Y-koordinat	X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning	
	47		406589	6501315	128	04:21:12	04:28:10	00:06:58	19
	47		406589	6501315	129	04:18:06	04:31:07	00:13:01	68.96
	47		406589	6501315	130	04:16:05	04:32:54	00:16:49	100
	47		406589	6501315	131	04:14:36	04:34:13	00:19:38	100
	47		406589	6501315	132	04:13:26	04:35:15	00:21:50	100
	47		406589	6501315	133	04:12:30	04:36:06	00:23:36	100
	47		406589	6501315	134	04:11:45	04:36:47	00:25:03	100
	47		406589	6501315	135	04:11:08	04:37:22	00:26:14	100
	47		406589	6501315	136	04:10:38	04:37:51	00:27:12	100
	47		406589	6501315	137	04:10:14	04:38:14	00:28:00	100
	47		406589	6501315	138	04:09:56	04:38:34	00:28:38	100
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	47		406589	6501315	140	04:09:34	04:39:02	00:29:29	100
	47		406589	6501315	141	04:09:29	04:39:12	00:29:43	100
	47		406589	6501315	142	04:09:28	04:39:19	00:29:51	100
	47		406589	6501315	143	04:09:31	04:39:24	00:29:53	100
	47		406589	6501315	144	04:09:37	04:39:27	00:29:49	100
	47		406589	6501315	145	04:09:47	04:39:27	00:29:41	100
	47		406589	6501315	146	04:09:59	04:39:26	00:29:28	100
	47		406589	6501315	147	04:10:13	04:39:24	00:29:10	100
	47		406589	6501315	148	04:10:31	04:39:20	00:28:49	100
	47		406589	6501315	149	04:10:50	04:39:15	00:28:25	100
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	47		406589	6501315	151	04:11:35	04:39:01	00:27:26	100
	47		406589	6501315	152	04:12:00	04:38:53	00:26:53	100
	47		406589	6501315	153	04:12:27	04:38:44	00:26:18	100
	47		406589	6501315	154	04:12:55	04:38:35	00:25:40	100
	47		406589	6501315	155	04:13:24	04:38:25	00:25:01	100
	47		406589	6501315	156	04:13:54	04:38:15	00:24:20	100
	47		406589	6501315	157	04:14:25	04:38:04	00:23:39	100
	47		406589	6501315	158	04:14:57	04:37:54	00:22:57	100
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	47		406589	6501315	162	04:17:06	04:37:22	00:20:16	100
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	47		406589	6501315	165	04:18:37	04:37:08	00:18:31	100
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	47		406589	6501315	167	04:19:31	04:37:06	00:17:35	100
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	47		406589	6501315	170	04:20:37	04:37:19	00:16:42	100
	47		406589	6501315	171	04:20:54	04:37:28	00:16:34	100
	47		406589	6501315	172	04:21:09	04:37:40	00:16:31	100
	47		406589	6501315	173	04:21:20	04:37:54	00:16:33	100
	47		406589	6501315	174	04:21:29	04:38:11	00:16:41	100
	47		406589	6501315	175	04:21:36	04:38:30	00:16:54	100
	47		406589	6501315	176	04:21:39	04:38:51	00:17:12	100

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47	406589	6501315	179	04:21:37	04:40:07	00:18:30	100
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47	406589	6501315	186	04:20:43	04:43:37	00:22:54	100
47	406589	6501315	187	04:20:33	04:44:09	00:23:36	100
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47	406589	6501315	211	04:22:24	04:46:22	00:23:59	100
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47	406589	6501315	213	04:24:14	04:44:28	00:20:15	100
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47	406589	6501315	215	04:27:14	04:41:26	00:14:12	82.23
47	406589	6501315	216	04:29:41	04:38:52	00:09:11	33.27
49	405647	6500781	42	13:54:55	14:11:20	00:16:24	42.77
49	405647	6500781	43	13:50:20	14:16:47	00:26:28	100
49	405647	6500781	44	13:47:04	14:20:30	00:33:27	100
49	405647	6500781	45	13:44:25	14:23:20	00:38:55	100
49	405647	6500781	46	13:42:10	14:25:40	00:43:31	100
49	405647	6500781	47	13:40:11	14:27:40	00:47:29	100
49	405647	6500781	48	13:38:24	14:29:23	00:50:59	100
49	405647	6500781	49	13:36:48	14:30:54	00:54:07	100
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49	405647	6500781	51	13:33:59	14:33:27	00:59:27	100
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49	405647	6500781	53	13:31:36	14:35:26	01:03:50	100
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49	405647	6500781	57	13:27:50	14:38:07	01:10:17	100
49	405647	6500781	58	13:27:04	14:38:33	01:11:29	100
49	405647	6500781	59	13:26:22	14:38:55	01:12:33	100
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49	405647	6500781	62	13:24:39	14:39:30	01:14:51	100
49	405647	6500781	63	13:24:12	14:39:32	01:15:20	100
49	405647	6500781	64	13:23:48	14:39:30	01:15:42	100
49	405647	6500781	65	13:23:28	14:39:23	01:15:55	100
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49	405647	6500781	67	13:22:59	14:38:57	01:15:58	100
49	405647	6500781	68	13:22:50	14:38:37	01:15:47	100
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49	405647	6500781	70	13:22:43	14:37:44	01:15:01	100
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49	405647	6500781	72	13:22:52	14:36:33	01:13:41	100
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49	405647	6500781	77	13:24:32	14:32:08	01:07:37	100
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49	405647	6500781	83	13:29:41	14:23:24	00:53:43	100
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49	405647	6500781	86	13:34:21	14:16:40	00:42:19	100
49	405647	6500781	87	13:36:31	14:13:44	00:37:13	100
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49	405647	6500781	90	13:49:44	13:57:51	00:08:07	10.77
49	405647	6500781	254	13:42:12	13:50:28	00:08:16	11.11
49	405647	6500781	255	13:34:50	13:57:06	00:22:16	82.17
49	405647	6500781	256	13:30:33	14:01:18	00:30:46	100
49	405647	6500781	257	13:27:12	14:04:12	00:37:00	100
49	405647	6500781	258	13:24:23	14:06:27	00:42:05	100
49	405647	6500781	259	13:21:55	14:08:18	00:46:23	100
49	405647	6500781	260	13:19:43	14:09:51	00:50:08	100
49	405647	6500781	261	13:17:45	14:11:10	00:53:26	100

49	405647	6500781	262	13:15:56	14:12:18	00:56:22	100
49	405647	6500781	263	13:14:17	14:13:17	00:58:59	100
49	405647	6500781	264	13:12:43	14:14:07	01:01:25	100
49	405647	6500781	265	13:11:15	14:14:50	01:03:35	100
49	405647	6500781	266	13:09:54	14:15:27	01:05:33	100
49	405647	6500781	267	13:08:40	14:15:58	01:07:18	100
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49	405647	6500781	275	13:01:53	14:17:14	01:15:21	100
49	405647	6500781	276	13:01:23	14:17:05	01:15:42	100
49	405647	6500781	277	13:00:57	14:16:53	01:15:56	100
49	405647	6500781	278	13:00:36	14:16:37	01:16:01	100
49	405647	6500781	279	13:00:19	14:16:17	01:15:59	100
49	405647	6500781	280	13:00:06	14:15:54	01:15:48	100
49	405647	6500781	281	12:59:57	14:15:27	01:15:30	100
49	405647	6500781	282	12:59:53	14:14:57	01:15:05	100
49	405647	6500781	283	12:59:53	14:14:24	01:14:31	100
49	405647	6500781	284	12:59:57	14:13:46	01:13:49	100
49	405647	6500781	285	13:00:06	14:13:05	01:12:59	100
49	405647	6500781	286	13:00:20	14:12:21	01:12:01	100
49	405647	6500781	287	13:00:38	14:11:32	01:10:54	100
49	405647	6500781	288	13:01:01	14:10:40	01:09:38	100
49	405647	6500781	289	13:01:30	14:09:43	01:08:13	100
49	405647	6500781	290	13:02:04	14:08:42	01:06:38	100
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49	405647	6500781	293	13:04:21	14:05:09	01:00:48	100
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49	405647	6500781	297	13:09:09	13:58:53	00:49:44	100
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49	405647	6500781	299	13:12:40	13:54:40	00:41:59	100
49	405647	6500781	300	13:14:52	13:52:05	00:37:12	100
49	405647	6500781	301	13:17:32	13:48:56	00:31:24	100
49	405647	6500781	302	13:20:58	13:44:43	00:23:46	85.96
49	405647	6500781	303	13:26:18	13:38:41	00:12:22	24.05
50	405508	6500294	4	13:06:22	13:13:08	00:06:46	16.13
50	405508	6500294	5	13:05:04	13:15:46	00:10:41	37.6
50	405508	6500294	6	13:04:12	13:17:44	00:13:31	60.5
50	405508	6500294	7	13:03:32	13:19:23	00:15:51	84.81
50	405508	6500294	8	13:02:59	13:20:52	00:17:53	100
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50	405508	6500294	16	13:00:50	13:29:26	00:28:37	100
50	405508	6500294	17	13:00:45	13:30:12	00:29:27	100
50	405508	6500294	18	13:00:43	13:30:54	00:30:11	100
50	405508	6500294	19	13:00:43	13:31:32	00:30:49	100
50	405508	6500294	20	13:00:46	13:32:06	00:31:20	100
50	405508	6500294	21	13:00:51	13:32:35	00:31:44	100
50	405508	6500294	22	13:00:59	13:33:00	00:32:02	100
50	405508	6500294	23	13:01:10	13:33:21	00:32:11	100
50	405508	6500294	24	13:01:24	13:33:37	00:32:13	100
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50	405508	6500294	30	13:04:10	13:33:15	00:29:05	100
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50	405508	6500294	32	13:05:53	13:32:08	00:26:15	100
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50	405508	6500294	37	13:15:54	13:23:12	00:07:18	15.88
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50	405508	6500294	309	12:41:20	12:56:50	00:15:30	84.37
50	405508	6500294	310	12:39:25	12:58:49	00:19:24	100
50	405508	6500294	311	12:37:59	13:00:19	00:22:19	100
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50	405508	6500294	324	12:35:08	13:06:52	00:31:44	100
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50	405508	6500294	326	12:36:05	13:06:53	00:30:49	100
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50	405508	6500294	46	09:10:43	09:16:43	00:05:59	16.41
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50	405508	6500294	300	08:37:07	08:50:23	00:13:16	77.38
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50	405508	6500294	304	08:31:37	08:55:38	00:24:01	100
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50	405508	6500294	307	08:30:16	08:56:58	00:26:43	100
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50	405508	6500294	312	08:30:57	08:56:47	00:25:50	100
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51	404797	6500652	1	12:53:26	13:33:02	00:39:36	100
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51	404797	6500652	3	12:53:43	13:34:38	00:40:55	100
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52	404421	6500909	278	16:09:45	16:13:15	00:03:30	3.7
53	404656	6501294	147	19:08:59	19:17:14	00:08:14	12.94
53	404656	6501294	148	19:05:50	19:20:43	00:14:53	42.64
53	404656	6501294	149	19:03:53	19:23:01	00:19:08	71.17
53	404656	6501294	150	19:02:25	19:24:50	00:22:24	98.53
53	404656	6501294	151	19:01:16	19:26:21	00:25:06	100
53	404656	6501294	152	19:00:18	19:27:41	00:27:22	100
53	404656	6501294	153	18:59:31	19:28:51	00:29:21	100
53	404656	6501294	154	18:58:51	19:29:55	00:31:04	100

53	404656	6501294	155	18:58:17	19:30:54	00:32:37	100
53	404656	6501294	156	18:57:49	19:31:53	00:34:04	100
53	404656	6501294	157	18:57:25	19:32:47	00:35:21	100
53	404656	6501294	158	18:57:06	19:33:36	00:36:29	100
53	404656	6501294	159	18:56:50	19:34:21	00:37:30	100
53	404656	6501294	160	18:56:38	19:35:02	00:38:24	100
53	404656	6501294	161	18:56:29	19:35:40	00:39:12	100
53	404656	6501294	162	18:56:22	19:36:16	00:39:54	100
53	404656	6501294	163	18:56:18	19:36:48	00:40:30	100
53	404656	6501294	164	18:56:16	19:37:18	00:41:02	100
53	404656	6501294	165	18:56:17	19:37:46	00:41:29	100
53	404656	6501294	166	18:56:19	19:38:12	00:41:52	100
53	404656	6501294	167	18:56:24	19:38:35	00:42:11	100
53	404656	6501294	168	18:56:30	19:38:56	00:42:26	100
53	404656	6501294	169	18:56:38	19:39:15	00:42:37	100
53	404656	6501294	170	18:56:48	19:39:32	00:42:44	100
53	404656	6501294	171	18:56:59	19:39:46	00:42:47	100
53	404656	6501294	172	18:57:12	19:39:59	00:42:47	100
53	404656	6501294	173	18:57:27	19:40:10	00:42:43	100
53	404656	6501294	174	18:57:44	19:40:18	00:42:35	100
53	404656	6501294	175	18:58:01	19:40:25	00:42:23	100
53	404656	6501294	176	18:58:21	19:40:29	00:42:08	100
53	404656	6501294	177	18:58:42	19:40:31	00:41:48	100
53	404656	6501294	178	18:59:05	19:40:30	00:41:25	100
53	404656	6501294	179	18:59:30	19:40:27	00:40:57	100
53	404656	6501294	180	18:59:57	19:40:21	00:40:24	100
53	404656	6501294	181	19:00:25	19:40:12	00:39:47	100
53	404656	6501294	182	19:00:56	19:40:00	00:39:04	100
53	404656	6501294	183	19:01:29	19:39:45	00:38:16	100
53	404656	6501294	184	19:02:05	19:39:26	00:37:21	100
53	404656	6501294	185	19:02:43	19:39:02	00:36:19	100
53	404656	6501294	186	19:03:25	19:38:34	00:35:10	100
53	404656	6501294	187	19:04:10	19:38:01	00:33:51	100
53	404656	6501294	188	19:04:59	19:37:22	00:32:23	100
53	404656	6501294	189	19:05:53	19:36:43	00:30:50	100
53	404656	6501294	190	19:06:52	19:35:58	00:29:05	100
53	404656	6501294	191	19:07:59	19:35:04	00:27:05	100
53	404656	6501294	192	19:09:14	19:34:01	00:24:46	100
53	404656	6501294	193	19:10:42	19:32:44	00:22:02	94.88
53	404656	6501294	194	19:12:27	19:31:08	00:18:41	67.59
53	404656	6501294	195	19:14:43	19:29:00	00:14:17	39.15
53	404656	6501294	196	19:18:22	19:25:28	00:07:06	9.58
56	405195	6500892	73	08:17:02	08:29:35	00:12:34	25.59
56	405195	6500892	74	08:10:45	08:36:17	00:25:32	100
56	405195	6500892	75	08:06:42	08:40:02	00:33:20	100
56	405195	6500892	76	08:03:29	08:42:49	00:39:20	100
56	405195	6500892	77	08:00:46	08:45:03	00:44:16	100
56	405195	6500892	78	07:58:22	08:46:54	00:48:33	100
56	405195	6500892	79	07:56:07	08:48:29	00:52:22	100
56	405195	6500892	80	07:54:06	08:49:51	00:55:45	100
56	405195	6500892	81	07:52:17	08:51:02	00:58:45	100
56	405195	6500892	82	07:50:37	08:52:04	01:01:27	100
56	405195	6500892	83	07:49:05	08:52:57	01:03:52	100
56	405195	6500892	84	07:47:41	08:53:43	01:06:02	100
56	405195	6500892	85	07:46:23	08:54:23	01:07:59	100
56	405195	6500892	86	07:45:11	08:54:56	01:09:45	100
56	405195	6500892	87	07:44:05	08:55:25	01:11:20	100
56	405195	6500892	88	07:43:04	08:55:48	01:12:44	100
56	405195	6500892	89	07:42:08	08:56:06	01:13:58	100
56	405195	6500892	90	07:41:17	08:56:20	01:15:03	100
56	405195	6500892	91	07:40:30	08:56:29	01:15:59	100
56	405195	6500892	92	07:39:48	08:56:35	01:16:47	100
56	405195	6500892	93	07:39:10	08:56:37	01:17:26	100
56	405195	6500892	94	07:38:37	08:56:35	01:17:58	100
56	405195	6500892	95	07:38:07	08:56:29	01:18:22	100
56	405195	6500892	96	07:37:41	08:56:20	01:18:38	100
56	405195	6500892	97	07:37:20	08:56:07	01:18:47	100
56	405195	6500892	98	07:37:02	08:55:51	01:18:49	100
56	405195	6500892	99	07:36:48	08:55:32	01:18:44	100
56	405195	6500892	100	07:36:38	08:55:09	01:18:32	100
56	405195	6500892	101	07:36:31	08:54:44	01:18:12	100
56	405195	6500892	102	07:36:29	08:54:15	01:17:46	100
56	405195	6500892	103	07:36:30	08:53:43	01:17:12	100
56	405195	6500892	104	07:36:36	08:53:08	01:16:32	100
56	405195	6500892	105	07:36:45	08:52:29	01:15:44	100
56	405195	6500892	106	07:36:58	08:51:48	01:14:49	100
56	405195	6500892	107	07:37:16	08:51:03	01:13:47	100
56	405195	6500892	108	07:37:37	08:50:14	01:12:37	100
56	405195	6500892	109	07:38:03	08:49:23	01:11:20	100
56	405195	6500892	110	07:38:33	08:48:27	01:09:54	100
56	405195	6500892	111	07:39:08	08:47:28	01:08:20	100
56	405195	6500892	112	07:39:48	08:46:25	01:06:38	100
56	405195	6500892	113	07:40:32	08:45:18	01:04:46	100
56	405195	6500892	114	07:41:22	08:44:07	01:02:44	100
56	405195	6500892	115	07:42:18	08:42:50	01:00:32	100
56	405195	6500892	116	07:43:21	08:41:29	00:58:08	100
56	405195	6500892	117	07:44:30	08:40:01	00:55:31	100
56	405195	6500892	118	07:45:47	08:38:27	00:52:40	100
56	405195	6500892	119	07:47:13	08:36:44	00:49:31	100
56	405195	6500892	120	07:48:50	08:34:52	00:46:02	100
56	405195	6500892	121	07:50:40	08:32:48	00:42:08	100
56	405195	6500892	122	07:52:48	08:30:29	00:37:41	100
56	405195	6500892	123	07:55:20	08:27:46	00:32:26	100
56	405195	6500892	124	07:58:33	08:24:26	00:25:52	82.19
56	405195	6500892	125	08:03:23	08:19:37	00:16:14	28.98
56	405195	6500892	219	08:12:31	08:28:49	00:16:18	29.16
56	405195	6500892	220	08:07:32	08:33:21	00:25:50	81.51

56	405195	6500892	221	08:04:06	08:36:26	00:32:20	100
56	405195	6500892	222	08:01:20	08:38:53	00:37:33	100
56	405195	6500892	223	07:58:57	08:40:55	00:41:58	100
56	405195	6500892	224	07:56:50	08:42:41	00:45:51	100
56	405195	6500892	225	07:54:55	08:44:14	00:49:19	100
56	405195	6500892	226	07:53:09	08:45:36	00:52:27	100
56	405195	6500892	227	07:51:32	08:46:49	00:55:17	100
56	405195	6500892	228	07:50:01	08:47:54	00:57:54	100
56	405195	6500892	229	07:48:36	08:48:53	01:00:17	100
56	405195	6500892	230	07:47:16	08:49:45	01:02:29	100
56	405195	6500892	231	07:46:01	08:50:32	01:04:30	100
56	405195	6500892	232	07:44:51	08:51:13	01:06:22	100
56	405195	6500892	233	07:43:44	08:51:49	01:08:05	100
56	405195	6500892	234	07:42:42	08:52:21	01:09:39	100
56	405195	6500892	235	07:41:43	08:52:47	01:11:05	100
56	405195	6500892	236	07:40:47	08:53:10	01:12:23	100
56	405195	6500892	237	07:39:55	08:53:29	01:13:33	100
56	405195	6500892	238	07:39:07	08:53:43	01:14:36	100
56	405195	6500892	239	07:38:21	08:53:53	01:15:32	100
56	405195	6500892	240	07:37:39	08:54:00	01:16:21	100
56	405195	6500892	241	07:37:00	08:54:03	01:17:03	100
56	405195	6500892	242	07:36:24	08:54:02	01:17:38	100
56	405195	6500892	243	07:35:52	08:53:57	01:18:06	100
56	405195	6500892	244	07:35:22	08:53:49	01:18:27	100
56	405195	6500892	245	07:34:56	08:53:37	01:18:42	100
56	405195	6500892	246	07:34:32	08:53:22	01:18:49	100
56	405195	6500892	247	07:34:12	08:53:02	01:18:50	100
56	405195	6500892	248	07:33:56	08:52:39	01:18:43	100
56	405195	6500892	249	07:33:43	08:52:13	01:18:30	100
56	405195	6500892	250	07:33:33	08:51:42	01:18:09	100
56	405195	6500892	251	07:33:27	08:51:08	01:17:41	100
56	405195	6500892	252	07:33:24	08:50:30	01:17:06	100
56	405195	6500892	253	07:33:25	08:49:47	01:16:22	100
56	405195	6500892	254	07:33:30	08:49:01	01:15:31	100
56	405195	6500892	255	07:33:39	08:48:10	01:14:31	100
56	405195	6500892	256	07:33:53	08:47:15	01:13:22	100
56	405195	6500892	257	07:34:11	08:46:15	01:12:04	100
56	405195	6500892	258	07:34:34	08:45:11	01:10:37	100
56	405195	6500892	259	07:35:02	08:44:01	01:08:59	100
56	405195	6500892	260	07:35:36	08:42:45	01:07:10	100
56	405195	6500892	261	07:36:16	08:41:24	01:05:08	100
56	405195	6500892	262	07:37:02	08:39:56	01:02:54	100
56	405195	6500892	263	07:37:56	08:38:21	01:00:25	100
56	405195	6500892	264	07:38:59	08:36:37	00:57:39	100
56	405195	6500892	265	07:40:11	08:34:45	00:54:33	100
56	405195	6500892	266	07:41:36	08:32:41	00:51:05	100
56	405195	6500892	267	07:43:15	08:30:23	00:47:08	100
56	405195	6500892	268	07:45:03	08:27:49	00:42:46	100
56	405195	6500892	269	07:47:13	08:24:50	00:37:37	100
56	405195	6500892	270	07:49:57	08:21:15	00:31:18	100
56	405195	6500892	271	07:53:42	08:16:30	00:22:48	78.85
56	405195	6500892	272	08:01:16	08:07:25	00:06:10	6.08
Hus	Y-koordinat	X-koordinat					
200		407893	6502121				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
201		407703	6502216				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
202		407510	6502715				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
203		407718	6503069				
Turbin	Y-koordinat	X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning
38	406676	6502625	99	15:28:32	15:34:00	00:05:28	100
38	406676	6502625	100	15:16:01	15:33:01	00:16:59	100
38	406676	6502625	101	15:16:17	15:31:41	00:15:24	100
38	406676	6502625	102	15:17:37	15:29:53	00:12:15	98.08
38	406676	6502625	103	15:19:57	15:27:03	00:07:05	30.27
38	406676	6502625	241	15:19:18	15:28:29	00:09:11	51.65
38	406676	6502625	242	15:16:54	15:30:15	00:13:21	100
38	406676	6502625	243	15:15:12	15:31:19	00:16:07	100
38	406676	6502625	244	15:17:46	15:31:57	00:14:11	100
38	406676	6502625	245	15:29:59	15:32:15	00:02:15	100
Hus	Y-koordinat	X-koordinat					
204		408980	6503411				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
205		404544	6503099				
Turbin	Y-koordinat	X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning
30	405578	6503585	152	04:19:29	04:25:27	00:05:59	23.64
30	405578	6503585	153	04:18:13	04:27:12	00:08:59	48.09
30	405578	6503585	154	04:17:19	04:28:25	00:11:07	71.33
30	405578	6503585	155	04:16:40	04:29:23	00:12:44	93.36
30	405578	6503585	156	04:16:11	04:30:12	00:14:01	100
30	405578	6503585	157	04:15:49	04:31:06	00:15:17	100
30	405578	6503585	158	04:15:34	04:32:02	00:16:29	100
30	405578	6503585	159	04:15:22	04:32:35	00:17:12	100
30	405578	6503585	160	04:15:15	04:33:04	00:17:49	100
30	405578	6503585	161	04:15:10	04:33:31	00:18:21	100
30	405578	6503585	162	04:15:09	04:33:56	00:18:47	100
30	405578	6503585	163	04:15:09	04:34:19	00:19:10	100
30	405578	6503585	164	04:15:12	04:34:41	00:19:29	100
30	405578	6503585	165	04:15:16	04:35:01	00:19:45	100
30	405578	6503585	166	04:15:22	04:35:20	00:19:58	100

30	405578	6503585	167	04:15:30	04:35:38	00:20:09	100
30	405578	6503585	168	04:15:38	04:35:55	00:20:17	100
30	405578	6503585	169	04:15:48	04:36:11	00:20:23	100
30	405578	6503585	170	04:15:59	04:36:26	00:20:28	100
30	405578	6503585	171	04:16:10	04:36:41	00:20:30	100
30	405578	6503585	172	04:16:23	04:36:54	00:20:31	100
30	405578	6503585	173	04:16:36	04:37:07	00:20:30	100
30	405578	6503585	174	04:16:50	04:37:18	00:20:28	100
30	405578	6503585	175	04:17:06	04:37:29	00:20:24	100
30	405578	6503585	176	04:17:22	04:37:39	00:20:17	100
30	405578	6503585	177	04:17:38	04:37:48	00:20:09	100
30	405578	6503585	178	04:17:56	04:37:55	00:19:59	100
30	405578	6503585	179	04:18:15	04:38:01	00:19:46	100
30	405578	6503585	180	04:18:36	04:38:06	00:19:30	100
30	405578	6503585	181	04:18:57	04:38:09	00:19:11	100
30	405578	6503585	182	04:19:21	04:38:10	00:18:49	100
30	405578	6503585	183	04:19:46	04:38:09	00:18:23	100
30	405578	6503585	184	04:20:13	04:38:05	00:17:52	100
30	405578	6503585	185	04:20:43	04:37:58	00:17:16	100
30	405578	6503585	186	04:21:16	04:37:48	00:16:32	100
30	405578	6503585	187	04:21:53	04:37:17	00:15:24	100
30	405578	6503585	188	04:22:34	04:36:41	00:14:07	100
30	405578	6503585	189	04:23:22	04:36:14	00:12:52	95.11
30	405578	6503585	190	04:24:19	04:35:36	00:11:17	73.33
30	405578	6503585	191	04:25:30	04:34:44	00:09:14	50.35
30	405578	6503585	192	04:26:59	04:33:22	00:06:23	26.2
30	405578	6503585	193	04:30:06	04:31:08	00:01:02	0.86
33	405497	6503118	111	05:50:51	05:58:19	00:07:28	27.03
33	405497	6503118	112	05:47:46	06:00:59	00:13:14	89.98
33	405497	6503118	113	05:45:42	06:02:31	00:16:49	100
33	405497	6503118	114	05:44:12	06:03:34	00:19:22	100
33	405497	6503118	115	05:43:03	06:04:17	00:21:15	100
33	405497	6503118	116	05:42:09	06:04:48	00:22:38	100
33	405497	6503118	117	05:41:28	06:05:07	00:23:39	100
33	405497	6503118	118	05:40:58	06:05:17	00:24:19	100
33	405497	6503118	119	05:40:37	06:05:19	00:24:42	100
33	405497	6503118	120	05:40:25	06:05:13	00:24:48	100
33	405497	6503118	121	05:40:21	06:05:01	00:24:39	100
33	405497	6503118	122	05:40:26	06:04:43	00:24:17	100
33	405497	6503118	123	05:40:39	06:04:18	00:23:38	100
33	405497	6503118	124	05:41:02	06:03:45	00:22:43	100
33	405497	6503118	125	05:41:34	06:03:05	00:21:31	100
33	405497	6503118	126	05:42:17	06:02:14	00:19:58	100
33	405497	6503118	127	05:43:13	06:01:13	00:17:59	100
33	405497	6503118	128	05:44:27	05:59:55	00:15:28	100
33	405497	6503118	129	05:46:11	05:58:12	00:12:02	68.7
33	405497	6503118	130	05:48:53	05:55:29	00:06:36	19.86
33	405497	6503118	214	05:59:22	06:04:47	00:05:26	13.24
33	405497	6503118	215	05:56:16	06:07:41	00:11:25	61.22
33	405497	6503118	216	05:54:20	06:09:20	00:15:00	100
33	405497	6503118	217	05:52:54	06:10:31	00:17:37	100
33	405497	6503118	218	05:51:45	06:11:24	00:19:39	100
33	405497	6503118	219	05:50:48	06:12:04	00:21:15	100
33	405497	6503118	220	05:50:02	06:12:33	00:22:31	100
33	405497	6503118	221	05:49:24	06:12:53	00:23:29	100
33	405497	6503118	222	05:48:54	06:13:04	00:24:10	100
33	405497	6503118	223	05:48:31	06:13:07	00:24:36	100
33	405497	6503118	224	05:48:15	06:13:04	00:24:48	100
33	405497	6503118	225	05:48:07	06:12:53	00:24:46	100
33	405497	6503118	226	05:48:05	06:12:33	00:24:28	100
33	405497	6503118	227	05:48:12	06:12:05	00:23:53	100
33	405497	6503118	228	05:48:28	06:11:27	00:22:59	100
33	405497	6503118	229	05:48:54	06:10:38	00:21:44	100
33	405497	6503118	230	05:49:34	06:09:36	00:20:02	100
33	405497	6503118	231	05:50:30	06:08:16	00:17:46	100
33	405497	6503118	232	05:51:53	06:06:32	00:14:39	100
33	405497	6503118	233	05:53:59	06:04:01	00:10:02	49.54
34	405931	6503184	110	05:24:57	05:25:45	00:00:48	100
34	405931	6503184	111	05:25:18	05:32:09	00:06:51	100
34	405931	6503184	112	05:26:32	05:37:17	00:10:45	84.66
34	405931	6503184	113	05:28:56	05:34:46	00:05:50	22.4
34	405931	6503184	231	05:36:49	05:37:35	00:00:46	0.38
34	405931	6503184	232	05:32:10	05:41:39	00:09:29	61.21
34	405931	6503184	233	05:30:14	05:39:06	00:08:52	100
34	405931	6503184	234	05:28:53	05:32:28	00:03:35	100
36	405395	6502721	80	07:23:31	07:33:04	00:09:33	46.64
36	405395	6502721	81	07:20:33	07:35:33	00:14:59	100
36	405395	6502721	82	07:18:29	07:36:57	00:18:28	100
36	405395	6502721	83	07:16:58	07:37:50	00:20:52	100
36	405395	6502721	84	07:15:48	07:38:22	00:22:35	100
36	405395	6502721	85	07:14:54	07:38:38	00:23:44	100
36	405395	6502721	86	07:14:15	07:38:40	00:24:26	100
36	405395	6502721	87	07:13:48	07:38:29	00:24:42	100
36	405395	6502721	88	07:13:33	07:38:07	00:24:33	100
36	405395	6502721	89	07:13:31	07:37:32	00:24:00	100
36	405395	6502721	90	07:13:43	07:36:43	00:23:01	100
36	405395	6502721	91	07:14:09	07:35:40	00:21:31	100
36	405395	6502721	92	07:14:54	07:34:19	00:19:25	100
36	405395	6502721	93	07:16:04	07:32:32	00:16:28	100
36	405395	6502721	94	07:17:58	07:29:59	00:12:02	68.24
36	405395	6502721	250	07:14:38	07:23:25	00:08:47	34.28
36	405395	6502721	251	07:11:26	07:26:01	00:14:34	100
36	405395	6502721	252	07:09:21	07:27:26	00:18:05	100
36	405395	6502721	253	07:07:47	07:28:19	00:20:32	100
36	405395	6502721	254	07:06:33	07:28:51	00:22:18	100
36	405395	6502721	255	07:05:35	07:29:07	00:23:32	100
36	405395	6502721	256	07:04:51	07:29:10	00:24:19	100

36	405395	6502721	257	07:04:19	07:28:59	00:24:41	100
36	405395	6502721	258	07:03:59	07:28:38	00:24:39	100
36	405395	6502721	259	07:03:50	07:28:04	00:24:13	100
36	405395	6502721	260	07:03:55	07:27:17	00:23:22	100
36	405395	6502721	261	07:04:14	07:26:16	00:22:03	100
36	405395	6502721	262	07:04:50	07:24:58	00:20:09	100
36	405395	6502721	263	07:05:49	07:23:18	00:17:29	100
36	405395	6502721	264	07:07:25	07:21:02	00:13:36	97.11
36	405395	6502721	265	07:10:18	07:17:19	00:07:00	24.48
54	404614	6501847	1	11:07:48	11:21:50	00:14:03	100
54	404614	6501847	2	11:07:50	11:22:44	00:14:53	100
54	404614	6501847	3	11:07:53	11:23:36	00:15:43	100
54	404614	6501847	4	11:07:57	11:24:27	00:16:30	100
54	404614	6501847	5	11:08:02	11:25:16	00:17:14	100
54	404614	6501847	6	11:08:07	11:26:03	00:17:56	100
54	404614	6501847	7	11:08:14	11:26:48	00:18:34	100
54	404614	6501847	8	11:08:22	11:27:31	00:19:09	100
54	404614	6501847	9	11:08:31	11:28:11	00:19:40	100
54	404614	6501847	10	11:08:42	11:28:49	00:20:06	100
54	404614	6501847	11	11:08:55	11:29:23	00:20:28	100
54	404614	6501847	12	11:09:10	11:29:54	00:20:44	100
54	404614	6501847	13	11:09:27	11:30:22	00:20:55	100
54	404614	6501847	14	11:09:47	11:30:46	00:20:59	100
54	404614	6501847	15	11:10:10	11:31:06	00:20:56	100
54	404614	6501847	16	11:10:36	11:31:21	00:20:45	100
54	404614	6501847	17	11:11:05	11:31:31	00:20:26	100
54	404614	6501847	18	11:11:39	11:31:35	00:19:56	100
54	404614	6501847	19	11:12:18	11:31:32	00:19:14	100
54	404614	6501847	20	11:13:03	11:31:22	00:18:18	100
54	404614	6501847	21	11:13:56	11:31:02	00:17:05	100
54	404614	6501847	22	11:15:00	11:30:30	00:15:30	100
54	404614	6501847	23	11:16:19	11:29:40	00:13:22	100
54	404614	6501847	24	11:18:04	11:28:22	00:10:18	56.1
54	404614	6501847	25	11:21:07	11:25:33	00:04:26	9.2
54	404614	6501847	320	10:54:06	10:57:18	00:03:12	4.93
54	404614	6501847	321	10:51:07	11:01:03	00:09:56	51.32
54	404614	6501847	322	10:49:46	11:02:52	00:13:06	96.66
54	404614	6501847	323	10:48:54	11:04:11	00:15:17	100
54	404614	6501847	324	10:48:19	11:05:14	00:16:55	100
54	404614	6501847	325	10:47:57	11:06:07	00:18:10	100
54	404614	6501847	326	10:47:44	11:06:51	00:19:08	100
54	404614	6501847	327	10:47:39	11:07:29	00:19:51	100
54	404614	6501847	328	10:47:40	11:08:02	00:20:22	100
54	404614	6501847	329	10:47:48	11:08:31	00:20:43	100
54	404614	6501847	330	10:48:01	11:08:56	00:20:55	100
54	404614	6501847	331	10:48:18	11:09:18	00:20:59	100
54	404614	6501847	332	10:48:40	11:09:37	00:20:56	100
54	404614	6501847	333	10:49:06	11:09:53	00:20:47	100
54	404614	6501847	334	10:49:35	11:10:07	00:20:32	100
54	404614	6501847	335	10:50:08	11:10:19	00:20:11	100
54	404614	6501847	336	10:50:44	11:10:30	00:19:46	100
54	404614	6501847	337	10:51:23	11:10:39	00:19:16	100
54	404614	6501847	338	10:52:04	11:10:46	00:18:42	100
54	404614	6501847	339	10:52:47	11:10:52	00:18:05	100
54	404614	6501847	340	10:53:33	11:10:57	00:17:24	100
54	404614	6501847	341	10:54:21	11:11:01	00:16:41	100
54	404614	6501847	342	10:55:10	11:11:04	00:15:54	100
54	404614	6501847	343	10:56:01	11:11:07	00:15:06	100
54	404614	6501847	344	10:56:53	11:11:09	00:14:15	100
54	404614	6501847	345	10:57:47	11:11:10	00:13:24	95.78
54	404614	6501847	346	11:02:57	11:11:12	00:08:15	81.36
54	404614	6501847	364	11:16:05	11:19:01	00:02:55	74.84
54	404614	6501847	365	11:07:44	11:20:42	00:12:58	88.69
55	405031	6502337	45	09:30:12	09:35:58	00:05:46	12.74
55	405031	6502337	46	09:26:21	09:39:35	00:13:14	77.87
55	405031	6502337	47	09:24:16	09:41:31	00:17:15	100
55	405031	6502337	48	09:22:44	09:42:50	00:20:06	100
55	405031	6502337	49	09:21:34	09:43:47	00:22:13	100
55	405031	6502337	50	09:20:40	09:44:27	00:23:47	100
55	405031	6502337	51	09:19:59	09:44:53	00:24:54	100
55	405031	6502337	52	09:19:30	09:45:07	00:25:37	100
55	405031	6502337	53	09:19:11	09:45:09	00:25:58	100
55	405031	6502337	54	09:19:01	09:44:59	00:25:59	100
55	405031	6502337	55	09:19:02	09:44:40	00:25:37	100
55	405031	6502337	56	09:19:14	09:44:08	00:24:53	100
55	405031	6502337	57	09:19:38	09:43:22	00:23:44	100
55	405031	6502337	58	09:20:16	09:42:21	00:22:05	100
55	405031	6502337	59	09:21:12	09:41:00	00:19:49	100
55	405031	6502337	60	09:22:33	09:39:12	00:16:39	100
55	405031	6502337	61	09:24:42	09:36:30	00:11:48	62.94
55	405031	6502337	283	09:03:37	09:06:50	00:03:13	4.86
55	405031	6502337	284	08:58:49	09:11:44	00:12:55	75.75
55	405031	6502337	285	08:56:26	09:13:43	00:17:17	100
55	405031	6502337	286	08:54:45	09:14:59	00:20:14	100
55	405031	6502337	287	08:53:28	09:15:50	00:22:22	100
55	405031	6502337	288	08:52:28	09:16:23	00:23:55	100
55	405031	6502337	289	08:51:43	09:16:44	00:25:00	100
55	405031	6502337	290	08:51:11	09:16:52	00:25:41	100
55	405031	6502337	291	08:50:50	09:16:50	00:26:00	100
55	405031	6502337	292	08:50:40	09:16:39	00:25:58	100
55	405031	6502337	293	08:50:42	09:16:18	00:25:36	100
55	405031	6502337	294	08:50:54	09:15:46	00:24:52	100
55	405031	6502337	295	08:51:19	09:15:05	00:23:45	100
55	405031	6502337	296	08:51:58	09:14:11	00:22:12	100
55	405031	6502337	297	08:52:54	09:13:01	00:20:07	100
55	405031	6502337	298	08:54:14	09:11:32	00:17:18	100
55	405031	6502337	299	08:56:07	09:09:29	00:13:22	79.12

	55		405031	6502337	300	08:59:37	09:05:54	00:06:17	15.2
	58		405529	6502291	61	08:11:18	08:26:19	00:15:01	100
	58		405529	6502291	62	08:09:34	08:25:10	00:15:36	100
	58		405529	6502291	63	08:10:45	08:23:29	00:12:43	100
	58		405529	6502291	64	08:12:58	08:20:38	00:07:40	36.76
	58		405529	6502291	281	07:48:39	07:57:13	00:08:34	45.68
	58		405529	6502291	282	07:46:10	07:59:17	00:13:07	100
	58		405529	6502291	283	07:44:34	08:00:24	00:15:49	100
	58		405529	6502291	284	07:47:06	08:01:01	00:13:55	100
Hus		Y-koordinat		X-koordinat					
	206		407624	6503446					
Turbin		Y-koordinat		X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning
	38		406676	6502625	78	14:25:55	14:40:31	00:14:36	100
	38		406676	6502625	79	14:27:05	14:39:25	00:12:20	100
	38		406676	6502625	80	14:29:15	14:36:32	00:07:17	34.81
	38		406676	6502625	264	14:15:31	14:22:02	00:06:31	27.64
	38		406676	6502625	265	14:12:32	14:24:28	00:11:56	100
	38		406676	6502625	266	14:10:39	14:25:36	00:14:57	100
Hus		Y-koordinat		X-koordinat					
	207		407573	6503567					
Ingen skygge faller på dette vinduet									
Hus		Y-koordinat		X-koordinat					
	208		407655	6503831					
Turbin		Y-koordinat		X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning
	32		406914	6503485	105	15:05:14	15:08:44	00:03:30	74.43
	32		406914	6503485	106	14:54:50	15:10:33	00:15:43	100
	32		406914	6503485	107	14:51:42	15:11:45	00:20:03	100
	32		406914	6503485	108	14:50:26	15:12:35	00:22:09	100
	32		406914	6503485	109	14:49:26	15:13:08	00:23:42	100
	32		406914	6503485	110	14:48:39	15:13:29	00:24:50	100
	32		406914	6503485	111	14:48:04	15:13:40	00:25:36	100
	32		406914	6503485	112	14:47:39	15:13:41	00:26:02	100
	32		406914	6503485	113	14:47:24	15:13:34	00:26:10	100
	32		406914	6503485	114	14:47:17	15:13:18	00:26:01	100
	32		406914	6503485	115	14:47:20	15:12:54	00:25:34	100
	32		406914	6503485	116	14:47:32	15:12:22	00:24:50	100
	32		406914	6503485	117	14:47:54	15:11:40	00:23:46	100
	32		406914	6503485	118	14:48:26	15:10:48	00:22:22	100
	32		406914	6503485	119	14:49:12	15:09:44	00:20:32	100
	32		406914	6503485	120	14:50:14	15:08:26	00:18:11	100
	32		406914	6503485	121	14:51:34	15:06:52	00:15:18	100
	32		406914	6503485	122	14:53:28	15:04:42	00:11:14	57.9
	32		406914	6503485	123	14:57:36	15:00:21	00:02:45	3.28
	32		406914	6503485	221	15:03:21	15:11:56	00:08:35	32.83
	32		406914	6503485	222	15:00:42	15:14:19	00:13:37	86.98
	32		406914	6503485	223	14:58:54	15:15:48	00:16:55	100
	32		406914	6503485	224	14:57:27	15:16:55	00:19:28	100
	32		406914	6503485	225	14:56:15	15:17:46	00:21:31	100
	32		406914	6503485	226	14:55:17	15:18:23	00:23:07	100
	32		406914	6503485	227	14:54:29	15:18:48	00:24:20	100
	32		406914	6503485	228	14:53:50	15:19:03	00:25:13	100
	32		406914	6503485	229	14:53:19	15:19:08	00:25:49	100
	32		406914	6503485	230	14:52:56	15:19:04	00:26:08	100
	32		406914	6503485	231	14:52:42	15:18:51	00:26:10	100
	32		406914	6503485	232	14:52:35	15:18:29	00:25:54	100
	32		406914	6503485	233	14:52:37	15:17:58	00:25:21	100
	32		406914	6503485	234	14:52:48	15:17:16	00:24:28	100
	32		406914	6503485	235	14:53:10	15:16:22	00:23:12	100
	32		406914	6503485	236	14:53:45	15:15:14	00:21:29	100
	32		406914	6503485	237	14:54:37	15:13:48	00:19:12	100
	32		406914	6503485	238	15:00:00	15:11:57	00:11:57	100
Hus		Y-koordinat		X-koordinat					
	209		407490	6504054					
Turbin		Y-koordinat		X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning
	32		406914	6503485	88	13:53:33	14:15:48	00:22:15	100
	32		406914	6503485	89	13:52:26	14:16:20	00:23:54	100
	32		406914	6503485	90	13:51:34	14:16:36	00:25:03	100
	32		406914	6503485	91	13:50:55	14:16:40	00:25:45	100
	32		406914	6503485	92	13:50:28	14:16:31	00:26:03	100
	32		406914	6503485	93	13:50:13	14:16:12	00:25:59	100
	32		406914	6503485	94	13:50:09	14:15:41	00:25:32	100
	32		406914	6503485	95	13:50:18	14:14:58	00:24:40	100
	32		406914	6503485	96	13:50:40	14:14:03	00:23:23	100
	32		406914	6503485	97	13:51:17	14:12:52	00:21:35	100
	32		406914	6503485	98	13:52:14	14:11:22	00:19:08	100
	32		406914	6503485	99	13:53:34	14:09:23	00:15:49	100
	32		406914	6503485	100	13:55:44	14:06:25	00:10:41	54.25
	32		406914	6503485	244	13:53:57	14:05:42	00:11:45	65.11
	32		406914	6503485	245	13:51:24	14:07:48	00:16:24	100
	32		406914	6503485	246	13:49:33	14:09:04	00:19:31	100
	32		406914	6503485	247	13:48:04	14:09:54	00:21:50	100
	32		406914	6503485	248	13:46:52	14:10:25	00:23:33	100
	32		406914	6503485	249	13:45:55	14:10:42	00:24:47	100
	32		406914	6503485	250	13:45:10	14:10:45	00:25:35	100
	32		406914	6503485	251	13:44:36	14:10:37	00:26:00	100
	32		406914	6503485	252	13:44:14	14:10:17	00:26:04	100
	32		406914	6503485	253	13:44:02	14:09:47	00:25:45	100
	32		406914	6503485	254	13:44:01	14:09:04	00:25:03	100
	32		406914	6503485	255	13:44:13	14:08:09	00:23:55	100
	32		406914	6503485	256	13:44:40	14:06:58	00:22:18	100
Hus		Y-koordinat		X-koordinat					
	210		407513	6504430					
Turbin		Y-koordinat		X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning

31	406380	6503517	68	14:43:01	14:57:04	00:14:03	100
31	406380	6503517	69	14:43:44	14:57:03	00:13:19	100
31	406380	6503517	70	14:45:07	14:55:12	00:10:05	78.57
31	406380	6503517	71	14:48:34	14:50:59	00:02:25	4.29
31	406380	6503517	274	14:25:17	14:34:20	00:09:04	61.3
31	406380	6503517	275	14:23:08	14:35:50	00:12:42	100
31	406380	6503517	276	14:21:43	14:36:34	00:14:51	100
32	406914	6503485	59	13:32:24	13:42:33	00:10:09	58.16
32	406914	6503485	60	13:30:08	13:44:32	00:14:25	100
32	406914	6503485	61	13:28:37	13:45:41	00:17:04	100
32	406914	6503485	62	13:27:32	13:46:22	00:18:50	100
32	406914	6503485	63	13:26:46	13:46:43	00:19:57	100
32	406914	6503485	64	13:26:16	13:46:47	00:20:31	100
32	406914	6503485	65	13:26:00	13:46:36	00:20:36	100
32	406914	6503485	66	13:25:59	13:46:10	00:20:11	100
32	406914	6503485	67	13:26:13	13:45:27	00:19:14	100
32	406914	6503485	68	13:26:46	13:44:26	00:17:40	100
32	406914	6503485	69	13:27:43	13:42:59	00:15:17	100
32	406914	6503485	70	13:29:15	13:40:53	00:11:38	81.19
32	406914	6503485	71	13:32:53	13:36:19	00:03:26	6.92
32	406914	6503485	274	13:09:46	13:19:40	00:09:54	56.26
32	406914	6503485	275	13:07:19	13:21:33	00:14:13	100
32	406914	6503485	276	13:05:39	13:22:35	00:16:55	100
32	406914	6503485	277	13:04:26	13:23:10	00:18:44	100
32	406914	6503485	278	13:03:32	13:23:26	00:19:54	100
32	406914	6503485	279	13:02:56	13:23:26	00:20:30	100
32	406914	6503485	280	13:02:34	13:23:12	00:20:38	100
32	406914	6503485	281	13:02:27	13:22:44	00:20:17	100
32	406914	6503485	282	13:02:36	13:22:01	00:19:25	100
32	406914	6503485	283	13:03:02	13:21:01	00:17:59	100
32	406914	6503485	284	13:03:50	13:19:40	00:15:50	100
32	406914	6503485	285	13:05:11	13:17:45	00:12:34	93.33
32	406914	6503485	286	13:07:49	13:14:23	00:06:33	23.1
Hus	Y-koordinat	X-koordinat					
211		408130	6504686				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
212		406374	6504617				
Turbin	Y-koordinat	X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning
29	406212	6503872	41	12:12:31	12:17:58	00:05:27	100
29	406212	6503872	42	12:12:09	12:42:06	00:29:57	100
29	406212	6503872	43	12:11:55	12:42:20	00:30:25	100
29	406212	6503872	44	12:11:47	12:42:26	00:30:38	100
29	406212	6503872	45	12:11:47	12:42:22	00:30:35	100
29	406212	6503872	46	12:11:54	12:42:10	00:30:16	100
29	406212	6503872	47	12:12:09	12:41:49	00:29:40	100
29	406212	6503872	48	12:12:32	12:41:18	00:28:45	100
29	406212	6503872	49	12:13:04	12:40:35	00:27:31	100
29	406212	6503872	50	12:13:47	12:39:40	00:25:53	100
29	406212	6503872	51	12:14:44	12:38:29	00:23:45	100
29	406212	6503872	52	12:15:59	12:36:58	00:20:59	100
29	406212	6503872	53	12:17:44	12:34:56	00:17:12	100
29	406212	6503872	54	12:20:27	12:31:50	00:11:23	46.01
29	406212	6503872	290	11:57:39	11:57:52	00:00:13	0.02
29	406212	6503872	291	11:51:11	12:04:52	00:13:41	68.42
29	406212	6503872	292	11:48:35	12:07:08	00:18:33	100
29	406212	6503872	293	11:46:45	12:08:39	00:21:54	100
29	406212	6503872	294	11:45:19	12:09:46	00:24:26	100
29	406212	6503872	295	11:44:12	12:10:35	00:26:23	100
29	406212	6503872	296	11:43:19	12:11:12	00:27:53	100
29	406212	6503872	297	11:42:37	12:11:38	00:29:01	100
29	406212	6503872	298	11:42:04	12:11:55	00:29:51	100
29	406212	6503872	299	11:41:42	12:12:04	00:30:23	100
29	406212	6503872	300	11:41:28	12:12:06	00:30:38	100
29	406212	6503872	301	11:41:23	12:12:00	00:30:38	100
29	406212	6503872	302	11:41:26	12:11:48	00:30:22	100
29	406212	6503872	303	11:41:38	12:10:19	00:28:41	100
29	406212	6503872	304	11:41:58	11:43:20	00:01:22	100
32	406914	6503485	33	09:58:28	10:04:02	00:05:34	100
32	406914	6503485	34	09:49:25	10:04:07	00:14:42	100
32	406914	6503485	35	09:44:52	10:04:02	00:19:09	100
32	406914	6503485	36	09:44:32	10:03:46	00:19:14	100
32	406914	6503485	37	09:45:08	10:03:16	00:18:09	100
32	406914	6503485	38	09:45:58	10:02:31	00:16:34	100
32	406914	6503485	39	09:47:07	10:01:25	00:14:17	100
32	406914	6503485	40	09:48:49	09:59:41	00:10:52	69.25
32	406914	6503485	41	09:52:15	09:55:48	00:03:33	7.56
32	406914	6503485	304	09:22:05	09:24:49	00:02:43	4.4
32	406914	6503485	305	09:18:22	09:28:57	00:10:36	65.05
32	406914	6503485	306	09:16:38	09:30:44	00:14:06	100
32	406914	6503485	307	09:15:30	09:31:54	00:16:24	100
32	406914	6503485	308	09:14:43	09:32:44	00:18:01	100
32	406914	6503485	309	09:14:11	09:33:20	00:19:09	100
32	406914	6503485	310	09:14:38	09:33:44	00:19:06	100
32	406914	6503485	311	09:17:56	09:33:59	00:16:03	100
32	406914	6503485	312	09:27:14	09:34:06	00:06:52	100
Hus	Y-koordinat	X-koordinat					
213		406312	6504624				
Turbin	Y-koordinat	X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning
29	406212	6503872	41	11:53:35	12:22:10	00:28:35	100
29	406212	6503872	42	11:53:28	12:24:21	00:30:52	100
29	406212	6503872	43	11:53:28	12:24:20	00:30:53	100
29	406212	6503872	44	11:53:34	12:24:12	00:30:37	100
29	406212	6503872	45	11:53:48	12:23:54	00:30:06	100
29	406212	6503872	46	11:54:09	12:23:27	00:29:19	100

29	406212	6503872	47	11:54:38	12:22:50	00:28:12	100
29	406212	6503872	48	11:55:18	12:22:01	00:26:43	100
29	406212	6503872	49	11:56:10	12:20:57	00:24:47	100
29	406212	6503872	50	11:57:19	12:19:36	00:22:17	100
29	406212	6503872	51	11:58:51	12:17:49	00:18:59	100
29	406212	6503872	52	12:01:03	12:15:19	00:14:15	74.53
29	406212	6503872	53	12:05:44	12:09:31	00:03:47	5.46
29	406212	6503872	292	11:35:08	11:43:51	00:08:43	25.33
29	406212	6503872	293	11:31:31	11:47:18	00:15:47	92.88
29	406212	6503872	294	11:29:17	11:49:15	00:19:58	100
29	406212	6503872	295	11:27:38	11:50:37	00:22:59	100
29	406212	6503872	296	11:26:21	11:51:39	00:25:18	100
29	406212	6503872	297	11:25:20	11:52:25	00:27:05	100
29	406212	6503872	298	11:24:31	11:52:59	00:28:28	100
29	406212	6503872	299	11:23:54	11:53:24	00:29:30	100
29	406212	6503872	300	11:23:27	11:53:41	00:30:14	100
29	406212	6503872	301	11:23:08	11:53:49	00:30:42	100
29	406212	6503872	302	11:22:57	11:53:51	00:30:54	100
29	406212	6503872	303	11:22:55	11:53:46	00:30:52	100
29	406212	6503872	304	11:23:00	11:44:30	00:21:30	100
Hus	Y-koordinat	X-koordinat					
214	Y-koordinat	406308	6504683				
Turbin	Y-koordinat	X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning
29	406212	6503872	28	11:55:22	12:14:06	00:18:44	100
29	406212	6503872	29	11:54:18	12:15:33	00:21:16	100
29	406212	6503872	30	11:53:27	12:16:45	00:23:19	100
29	406212	6503872	31	11:52:46	12:17:44	00:24:59	100
29	406212	6503872	32	11:52:14	12:18:34	00:26:20	100
29	406212	6503872	33	11:51:49	12:19:14	00:27:25	100
29	406212	6503872	34	11:51:30	12:19:45	00:28:15	100
29	406212	6503872	35	11:51:19	12:20:09	00:28:51	100
29	406212	6503872	36	11:51:13	12:20:25	00:29:12	100
29	406212	6503872	37	11:51:13	12:20:33	00:29:20	100
29	406212	6503872	38	11:51:20	12:20:34	00:29:14	100
29	406212	6503872	39	11:51:33	12:20:26	00:28:53	100
29	406212	6503872	40	11:51:53	12:20:10	00:28:17	100
29	406212	6503872	41	11:52:20	12:19:44	00:27:24	100
29	406212	6503872	42	11:52:56	12:19:08	00:26:12	100
29	406212	6503872	43	11:53:43	12:18:19	00:24:36	100
29	406212	6503872	44	11:54:43	12:17:15	00:22:32	100
29	406212	6503872	45	11:56:01	12:15:51	00:19:50	100
29	406212	6503872	46	11:57:48	12:13:56	00:16:08	100
29	406212	6503872	47	12:00:36	12:10:55	00:10:19	38.55
29	406212	6503872	298	11:29:53	11:41:44	00:11:51	51.81
29	406212	6503872	299	11:27:16	11:44:13	00:16:58	100
29	406212	6503872	300	11:25:28	11:45:51	00:20:23	100
29	406212	6503872	301	11:24:08	11:47:03	00:22:56	100
29	406212	6503872	302	11:23:05	11:47:58	00:24:53	100
29	406212	6503872	303	11:22:17	11:48:41	00:26:24	100
29	406212	6503872	304	11:21:40	11:49:13	00:27:33	100
29	406212	6503872	305	11:21:13	11:49:36	00:28:23	100
29	406212	6503872	306	11:20:56	11:49:52	00:28:57	100
29	406212	6503872	307	11:20:46	11:50:02	00:29:16	100
29	406212	6503872	308	11:20:44	11:50:04	00:29:21	100
29	406212	6503872	309	11:20:49	11:50:01	00:29:12	100
29	406212	6503872	310	11:21:03	11:49:52	00:28:49	100
29	406212	6503872	311	11:21:23	11:49:37	00:28:13	100
29	406212	6503872	312	11:21:52	11:49:16	00:27:23	100
29	406212	6503872	313	11:22:29	11:48:48	00:26:19	100
29	406212	6503872	314	11:23:15	11:48:12	00:24:58	100
29	406212	6503872	315	11:24:10	11:47:29	00:23:18	100
29	406212	6503872	316	11:25:18	11:46:35	00:21:17	100
29	406212	6503872	317	11:26:40	11:45:27	00:18:47	100
30	405578	6503585	36	13:47:11	13:51:16	00:04:05	100
30	405578	6503585	37	13:46:17	14:00:05	00:13:48	100
30	405578	6503585	38	13:45:41	14:03:18	00:17:37	100
30	405578	6503585	39	13:45:17	14:03:48	00:18:31	100
30	405578	6503585	40	13:45:05	14:04:05	00:19:01	100
30	405578	6503585	41	13:45:03	14:04:10	00:19:06	100
30	405578	6503585	42	13:45:13	14:04:01	00:18:48	100
30	405578	6503585	43	13:45:35	14:03:39	00:18:03	100
30	405578	6503585	44	13:46:12	14:03:01	00:16:49	100
30	405578	6503585	45	13:47:07	14:02:03	00:14:56	100
30	405578	6503585	46	13:48:31	14:00:36	00:12:05	95.71
30	405578	6503585	47	13:50:54	13:58:07	00:07:12	29.83
30	405578	6503585	298	13:19:51	13:29:13	00:09:22	53.06
30	405578	6503585	299	13:17:48	13:31:01	00:13:13	100
30	405578	6503585	300	13:16:28	13:32:07	00:15:39	100
30	405578	6503585	301	13:15:33	13:32:50	00:17:17	100
30	405578	6503585	302	13:14:57	13:33:17	00:18:20	100
30	405578	6503585	303	13:14:35	13:33:31	00:18:56	100
30	405578	6503585	304	13:14:26	13:33:34	00:19:08	100
30	405578	6503585	305	13:14:30	13:33:26	00:18:56	100
30	405578	6503585	306	13:14:46	13:33:07	00:18:21	100
30	405578	6503585	307	13:15:15	13:32:36	00:17:21	100
30	405578	6503585	308	13:15:59	13:27:32	00:11:34	100
30	405578	6503585	309	13:17:02	13:19:05	00:02:04	100
31	406380	6503517	24	11:15:02	11:27:42	00:12:40	94.72
31	406380	6503517	25	11:16:59	11:26:13	00:09:14	47.82
31	406380	6503517	320	10:49:38	10:58:28	00:08:49	43.28
31	406380	6503517	321	10:48:02	11:00:26	00:12:24	89.69
32	406914	6503485	23	09:47:22	09:50:49	00:03:27	65.81
32	406914	6503485	24	09:41:27	09:52:22	00:10:55	100
32	406914	6503485	25	09:38:56	09:53:34	00:14:37	100
32	406914	6503485	26	09:37:50	09:54:30	00:16:40	100
32	406914	6503485	27	09:37:28	09:55:14	00:17:46	100

32	406914	6503485	28	09:37:15	09:55:49	00:18:34	100
32	406914	6503485	29	09:37:10	09:56:13	00:19:04	100
32	406914	6503485	30	09:37:12	09:56:29	00:19:16	100
32	406914	6503485	31	09:37:23	09:56:35	00:19:12	100
32	406914	6503485	32	09:37:42	09:56:31	00:18:48	100
32	406914	6503485	33	09:38:11	09:56:16	00:18:05	100
32	406914	6503485	34	09:38:50	09:55:48	00:16:57	100
32	406914	6503485	35	09:39:44	09:55:03	00:15:19	100
32	406914	6503485	36	09:40:59	09:53:56	00:12:57	100
32	406914	6503485	37	09:42:51	09:52:05	00:09:14	51.66
32	406914	6503485	308	09:12:39	09:21:20	00:08:42	45.18
32	406914	6503485	309	09:10:46	09:23:23	00:12:36	100
32	406914	6503485	310	09:09:36	09:24:40	00:15:04	100
32	406914	6503485	311	09:08:49	09:25:35	00:16:46	100
32	406914	6503485	312	09:08:18	09:26:15	00:17:57	100
32	406914	6503485	313	09:08:00	09:26:44	00:18:43	100
32	406914	6503485	314	09:07:54	09:27:03	00:19:10	100
32	406914	6503485	315	09:07:57	09:27:14	00:19:17	100
32	406914	6503485	316	09:08:09	09:27:17	00:19:08	100
32	406914	6503485	317	09:08:31	09:27:13	00:18:42	100
32	406914	6503485	318	09:09:02	09:27:01	00:17:59	100
32	406914	6503485	319	09:09:44	09:26:41	00:16:57	100
32	406914	6503485	320	09:10:52	09:26:11	00:15:19	100
32	406914	6503485	321	09:12:44	09:25:29	00:12:45	100
32	406914	6503485	322	09:19:10	09:24:30	00:05:20	76.81
Hus	Y-koordinat	X-koordinat					
215		405978	6504965				
Turbin	Y-koordinat	X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning
29	406212	6503872	9	10:40:34	10:43:04	00:02:31	2.61
29	406212	6503872	10	10:37:46	10:46:13	00:08:27	30.93
29	406212	6503872	11	10:36:39	10:48:05	00:11:26	60.6
29	406212	6503872	12	10:35:54	10:49:35	00:13:41	91.62
29	406212	6503872	13	10:35:21	10:50:52	00:15:31	100
29	406212	6503872	14	10:34:56	10:52:00	00:17:05	100
29	406212	6503872	15	10:34:36	10:53:01	00:18:25	100
29	406212	6503872	16	10:34:22	10:53:55	00:19:33	100
29	406212	6503872	17	10:34:12	10:54:44	00:20:31	100
29	406212	6503872	18	10:34:07	10:55:26	00:21:19	100
29	406212	6503872	19	10:34:06	10:56:04	00:21:58	100
29	406212	6503872	20	10:34:08	10:56:35	00:22:27	100
29	406212	6503872	21	10:34:15	10:57:02	00:22:47	100
29	406212	6503872	22	10:34:26	10:57:22	00:22:56	100
29	406212	6503872	23	10:34:41	10:57:37	00:22:55	100
29	406212	6503872	24	10:35:02	10:57:45	00:22:43	100
29	406212	6503872	25	10:35:27	10:57:46	00:22:19	100
29	406212	6503872	26	10:35:59	10:57:40	00:21:41	100
29	406212	6503872	27	10:36:37	10:57:25	00:20:47	100
29	406212	6503872	28	10:37:25	10:56:59	00:19:35	100
29	406212	6503872	29	10:38:23	10:56:21	00:17:58	100
29	406212	6503872	30	10:39:36	10:55:26	00:15:50	100
29	406212	6503872	31	10:41:13	10:54:04	00:12:51	84.37
29	406212	6503872	32	10:43:41	10:51:42	00:08:01	30.32
29	406212	6503872	313	10:14:13	10:21:42	00:07:30	26.12
29	406212	6503872	314	10:11:52	10:24:25	00:12:33	79.45
29	406212	6503872	315	10:10:28	10:26:04	00:15:36	100
29	406212	6503872	316	10:09:31	10:27:18	00:17:47	100
29	406212	6503872	317	10:08:50	10:28:16	00:19:25	100
29	406212	6503872	318	10:08:22	10:29:02	00:20:40	100
29	406212	6503872	319	10:08:05	10:29:40	00:21:35	100
29	406212	6503872	320	10:07:56	10:30:11	00:22:15	100
29	406212	6503872	321	10:07:55	10:30:36	00:22:41	100
29	406212	6503872	322	10:08:00	10:30:55	00:22:55	100
29	406212	6503872	323	10:08:12	10:31:10	00:22:57	100
29	406212	6503872	324	10:08:31	10:31:20	00:22:49	100
29	406212	6503872	325	10:08:55	10:31:26	00:22:32	100
29	406212	6503872	326	10:09:24	10:31:29	00:22:05	100
29	406212	6503872	327	10:09:59	10:31:27	00:21:28	100
29	406212	6503872	328	10:10:40	10:31:22	00:20:43	100
29	406212	6503872	329	10:11:26	10:31:13	00:19:47	100
29	406212	6503872	330	10:12:18	10:30:59	00:18:42	100
29	406212	6503872	331	10:13:16	10:30:41	00:17:25	100
29	406212	6503872	332	10:14:22	10:30:17	00:15:55	100
29	406212	6503872	333	10:15:36	10:29:46	00:14:10	99.19
29	406212	6503872	334	10:17:02	10:29:05	00:12:03	68.12
29	406212	6503872	335	10:18:47	10:28:07	00:09:20	38.36
29	406212	6503872	336	10:21:23	10:26:25	00:05:02	9.92
30	405578	6503585	13	12:37:47	12:43:28	00:05:40	17.95
30	405578	6503585	14	12:36:25	12:45:44	00:09:19	51.7
30	405578	6503585	15	12:35:36	12:47:18	00:11:41	86.75
30	405578	6503585	16	12:35:04	12:48:33	00:13:29	100
30	405578	6503585	17	12:34:42	12:49:37	00:14:55	100
30	405578	6503585	18	12:34:28	12:50:30	00:16:03	100
30	405578	6503585	19	12:34:20	12:51:16	00:16:56	100
30	405578	6503585	20	12:34:18	12:51:54	00:17:36	100
30	405578	6503585	21	12:34:21	12:52:25	00:18:03	100
30	405578	6503585	22	12:34:30	12:52:48	00:18:18	100
30	405578	6503585	23	12:34:45	12:53:05	00:18:19	100
30	405578	6503585	24	12:35:06	12:53:13	00:18:07	100
30	405578	6503585	25	12:35:34	12:53:13	00:17:39	100
30	405578	6503585	26	12:36:10	12:53:03	00:16:53	100
30	405578	6503585	27	12:36:56	12:52:42	00:15:46	100
30	405578	6503585	28	12:37:56	12:52:06	00:14:11	100
30	405578	6503585	29	12:39:14	12:51:10	00:11:56	94.73
30	405578	6503585	30	12:41:08	12:49:35	00:08:27	42.54
30	405578	6503585	315	12:11:44	12:20:30	00:08:46	45.98
30	405578	6503585	316	12:10:11	12:22:17	00:12:06	97.37

30	405578	6503585	317	12:09:14	12:23:30	00:14:17	100
30	405578	6503585	318	12:08:36	12:24:25	00:15:49	100
30	405578	6503585	319	12:08:12	12:25:07	00:16:55	100
30	405578	6503585	320	12:08:00	12:25:40	00:17:40	100
30	405578	6503585	321	12:07:58	12:26:05	00:18:08	100
30	405578	6503585	322	12:08:03	12:26:23	00:18:20	100
30	405578	6503585	323	12:08:17	12:26:36	00:18:19	100
30	405578	6503585	324	12:08:38	12:26:42	00:18:04	100
30	405578	6503585	325	12:09:06	12:26:43	00:17:37	100
30	405578	6503585	326	12:09:41	12:26:39	00:16:58	100
30	405578	6503585	327	12:10:23	12:26:28	00:16:05	100
30	405578	6503585	328	12:11:13	12:26:11	00:14:59	100
30	405578	6503585	329	12:12:12	12:25:47	00:13:35	100
30	405578	6503585	330	12:13:23	12:25:12	00:11:49	88.8
30	405578	6503585	331	12:14:50	12:24:21	00:09:31	54.02
30	405578	6503585	332	12:16:50	12:22:53	00:06:04	20.49
31	406380	6503517	1	10:20:34	10:30:12	00:09:38	100
31	406380	6503517	2	10:17:54	10:30:44	00:12:50	100
31	406380	6503517	3	10:14:56	10:31:15	00:16:19	100
31	406380	6503517	4	10:13:35	10:31:44	00:18:09	100
31	406380	6503517	5	10:14:01	10:32:11	00:18:10	100
31	406380	6503517	6	10:14:28	10:32:36	00:18:08	100
31	406380	6503517	7	10:14:57	10:32:59	00:18:02	100
31	406380	6503517	8	10:15:28	10:33:19	00:17:51	100
31	406380	6503517	9	10:16:01	10:33:35	00:17:34	100
31	406380	6503517	10	10:16:37	10:33:47	00:17:10	100
31	406380	6503517	11	10:17:17	10:33:54	00:16:37	100
31	406380	6503517	12	10:18:01	10:33:56	00:15:55	100
31	406380	6503517	13	10:18:51	10:33:51	00:15:00	100
31	406380	6503517	14	10:19:48	10:33:37	00:13:49	100
31	406380	6503517	15	10:20:55	10:33:12	00:12:17	100
31	406380	6503517	16	10:22:18	10:32:27	00:10:09	65.55
31	406380	6503517	17	10:24:14	10:31:05	00:06:52	28.07
31	406380	6503517	328	10:01:20	10:07:03	00:05:43	19.27
31	406380	6503517	329	09:59:48	10:09:20	00:09:32	56.64
31	406380	6503517	330	09:58:59	10:10:49	00:11:50	92.79
31	406380	6503517	331	09:58:30	10:11:59	00:13:29	100
31	406380	6503517	332	09:58:13	10:12:57	00:14:44	100
31	406380	6503517	333	09:58:05	10:13:48	00:15:42	100
31	406380	6503517	334	09:58:05	10:14:32	00:16:27	100
31	406380	6503517	335	09:58:10	10:15:12	00:17:02	100
31	406380	6503517	336	09:58:20	10:15:48	00:17:28	100
31	406380	6503517	337	09:58:34	10:16:21	00:17:47	100
31	406380	6503517	338	09:58:52	10:16:52	00:17:59	100
31	406380	6503517	339	09:59:13	10:17:21	00:18:07	100
31	406380	6503517	340	09:59:37	10:17:48	00:18:10	100
31	406380	6503517	341	10:00:03	10:18:13	00:18:10	100
31	406380	6503517	342	10:01:08	10:18:38	00:17:30	100
31	406380	6503517	343	10:05:06	10:19:02	00:13:56	100
31	406380	6503517	344	10:08:47	10:19:26	00:10:38	100
31	406380	6503517	345	10:12:11	10:19:49	00:07:38	100
31	406380	6503517	346	10:15:18	10:20:12	00:04:54	100
31	406380	6503517	347	10:18:09	10:20:35	00:02:26	100
31	406380	6503517	363	10:27:11	10:28:23	00:01:11	100
31	406380	6503517	364	10:25:28	10:28:57	00:03:29	100
31	406380	6503517	365	10:23:27	10:29:31	00:06:04	100
Hus	Y-koordinat	X-koordinat					
216		403485	6504921				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
217		403476	6504924				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
218		403594	6505074				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
219		403475	6505072				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
220		403548	6505082				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
221		405461	6505472				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
222		403289	6505385				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
223		405974	6507706				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
224		407233	6508171				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
225		406021	6508545				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
226		407199	6508785				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
227		406986	6508805				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					
228		407136	6508884				
Ingen skygge faller på dette vinduet							
Hus	Y-koordinat	X-koordinat					

229	407201	6508948						
Ingen skygge falder på dette vinduet								
Hus	Y-koordinat	X-koordinat						
230	407274	6508958						
Ingen skygge falder på dette vinduet								
Hus	Y-koordinat	X-koordinat						
231	405057	6508794						
Turbin	Y-koordinat	X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning	
1	403923	6509661	147	19:28:19	19:29:25	00:01:06	92.63	
1	403923	6509661	148	19:26:40	19:30:28	00:03:48	100	
1	403923	6509661	149	19:25:08	19:31:14	00:06:06	100	
1	403923	6509661	150	19:23:43	19:31:53	00:08:11	100	
1	403923	6509661	151	19:22:23	19:32:26	00:10:04	100	
1	403923	6509661	152	19:21:09	19:32:56	00:11:47	100	
1	403923	6509661	153	19:20:01	19:33:21	00:13:21	100	
1	403923	6509661	154	19:18:58	19:33:44	00:14:46	100	
1	403923	6509661	155	19:18:00	19:34:05	00:16:04	100	
1	403923	6509661	156	19:17:08	19:34:23	00:17:15	100	
1	403923	6509661	157	19:16:20	19:34:40	00:18:20	100	
1	403923	6509661	158	19:16:08	19:34:56	00:18:48	100	
1	403923	6509661	159	19:16:17	19:35:11	00:18:53	100	
1	403923	6509661	160	19:16:28	19:35:24	00:18:56	100	
1	403923	6509661	161	19:16:40	19:35:37	00:18:58	100	
1	403923	6509661	162	19:16:52	19:35:50	00:18:58	100	
1	403923	6509661	163	19:17:05	19:36:02	00:18:57	100	
1	403923	6509661	164	19:17:19	19:36:14	00:18:55	100	
1	403923	6509661	165	19:17:33	19:36:26	00:18:53	100	
1	403923	6509661	166	19:17:47	19:36:38	00:18:51	100	
1	403923	6509661	167	19:18:01	19:36:50	00:18:49	100	
1	403923	6509661	168	19:18:15	19:37:02	00:18:47	100	
1	403923	6509661	169	19:18:29	19:37:15	00:18:46	100	
1	403923	6509661	170	19:18:43	19:37:27	00:18:45	100	
1	403923	6509661	171	19:18:56	19:37:40	00:18:44	100	
1	403923	6509661	172	19:19:09	19:37:53	00:18:44	100	
1	403923	6509661	173	19:19:21	19:38:06	00:18:45	100	
1	403923	6509661	174	19:19:34	19:38:20	00:18:46	100	
1	403923	6509661	175	19:19:46	19:38:33	00:18:48	100	
1	403923	6509661	176	19:19:57	19:38:47	00:18:50	100	
1	403923	6509661	177	19:20:08	19:39:00	00:18:52	100	
1	403923	6509661	178	19:20:20	19:39:13	00:18:54	100	
1	403923	6509661	179	19:20:31	19:39:26	00:18:56	100	
1	403923	6509661	180	19:20:42	19:39:39	00:18:57	100	
1	403923	6509661	181	19:20:53	19:39:51	00:18:58	100	
1	403923	6509661	182	19:21:04	19:40:02	00:18:58	100	
1	403923	6509661	183	19:21:16	19:40:12	00:18:56	100	
1	403923	6509661	184	19:21:28	19:40:21	00:18:53	100	
1	403923	6509661	185	19:21:41	19:40:29	00:18:47	100	
1	403923	6509661	186	19:22:26	19:40:34	00:18:09	100	
1	403923	6509661	187	19:23:35	19:40:38	00:17:03	100	
1	403923	6509661	188	19:24:48	19:40:40	00:15:52	100	
1	403923	6509661	189	19:26:06	19:40:39	00:14:33	100	
1	403923	6509661	190	19:27:28	19:40:34	00:13:07	100	
1	403923	6509661	191	19:28:54	19:40:26	00:11:32	100	
1	403923	6509661	192	19:30:26	19:40:14	00:09:48	100	
1	403923	6509661	193	19:32:02	19:39:56	00:07:54	100	
1	403923	6509661	194	19:33:43	19:39:32	00:05:49	100	
1	403923	6509661	195	19:35:29	19:38:59	00:03:30	100	
1	403923	6509661	196	19:37:21	19:38:08	00:00:46	88.66	
4	403644	6508958	97	17:30:59	17:38:59	00:08:00	44.92	
4	403644	6508958	98	17:28:37	17:40:47	00:12:09	100	
4	403644	6508958	99	17:27:08	17:41:47	00:14:39	100	
4	403644	6508958	100	17:26:06	17:42:19	00:16:13	100	
4	403644	6508958	101	17:25:24	17:42:32	00:17:08	100	
4	403644	6508958	102	17:24:59	17:42:28	00:17:29	100	
4	403644	6508958	103	17:24:49	17:42:09	00:17:20	100	
4	403644	6508958	104	17:24:55	17:41:35	00:16:41	100	
4	403644	6508958	105	17:25:18	17:40:45	00:15:27	100	
4	403644	6508958	106	17:26:04	17:39:33	00:13:30	100	
4	403644	6508958	107	17:27:24	17:37:50	00:10:26	79.39	
4	403644	6508958	108	17:30:07	17:34:43	00:04:37	14.34	
4	403644	6508958	236	17:31:10	17:39:42	00:08:31	51.05	
4	403644	6508958	237	17:28:57	17:41:16	00:12:19	100	
4	403644	6508958	238	17:27:28	17:42:07	00:14:40	100	
4	403644	6508958	239	17:26:23	17:42:35	00:16:11	100	
4	403644	6508958	240	17:25:37	17:42:43	00:17:06	100	
4	403644	6508958	241	17:25:07	17:42:36	00:17:29	100	
4	403644	6508958	242	17:24:50	17:42:14	00:17:24	100	
4	403644	6508958	243	17:24:49	17:41:36	00:16:47	100	
4	403644	6508958	244	17:25:04	17:40:41	00:15:37	100	
4	403644	6508958	245	17:25:40	17:39:23	00:13:43	100	
4	403644	6508958	246	17:26:49	17:37:33	00:10:44	85.01	
4	403644	6508958	247	17:29:22	17:34:20	00:04:58	16.36	
7	403556	6508598	80	16:45:53	17:01:33	00:15:41	100	
7	403556	6508598	81	16:45:17	17:01:35	00:16:18	100	
7	403556	6508598	82	16:44:59	17:01:17	00:16:18	100	
7	403556	6508598	83	16:45:01	17:00:41	00:15:40	100	
7	403556	6508598	84	16:45:25	16:59:43	00:14:19	100	
7	403556	6508598	85	16:46:17	16:58:18	00:12:00	100	
7	403556	6508598	86	16:48:03	16:56:02	00:07:59	49.56	
7	403556	6508598	258	16:37:24	16:46:22	00:08:58	63.13	
7	403556	6508598	259	16:35:13	16:47:44	00:12:31	100	
7	403556	6508598	260	16:33:47	16:48:23	00:14:36	100	
7	403556	6508598	261	16:32:48	16:48:37	00:15:48	100	
7	403556	6508598	262	16:32:09	16:48:30	00:16:21	100	
7	403556	6508598	263	16:31:49	16:48:06	00:16:17	100	
7	403556	6508598	264	16:31:47	16:47:22	00:15:35	100	
8	404026	6509056	107	17:55:08	17:59:52	00:04:44	11.64	

8	404026	6509056	108	17:51:24	18:03:10	00:11:46	76.73
8	404026	6509056	109	17:49:21	18:04:48	00:15:27	100
8	404026	6509056	110	17:47:52	18:05:57	00:18:04	100
8	404026	6509056	111	17:46:46	18:06:43	00:19:57	100
8	404026	6509056	112	17:45:55	18:07:12	00:21:18	100
8	404026	6509056	113	17:45:17	18:07:30	00:22:13	100
8	404026	6509056	114	17:44:50	18:07:36	00:22:46	100
8	404026	6509056	115	17:44:34	18:07:34	00:22:59	100
8	404026	6509056	116	17:44:27	18:07:22	00:22:54	100
8	404026	6509056	117	17:44:31	18:07:01	00:22:30	100
8	404026	6509056	118	17:44:44	18:06:31	00:21:47	100
8	404026	6509056	119	17:45:08	18:05:52	00:20:44	100
8	404026	6509056	120	17:45:44	18:05:01	00:19:17	100
8	404026	6509056	121	17:46:35	18:03:57	00:17:22	100
8	404026	6509056	122	17:47:47	18:02:36	00:14:49	100
8	404026	6509056	123	17:49:32	18:00:44	00:11:12	65.71
8	404026	6509056	124	17:52:34	17:57:30	00:04:56	12.03
8	404026	6509056	219	18:03:02	18:05:04	00:02:01	1.99
8	404026	6509056	220	17:58:46	18:09:05	00:10:18	54.63
8	404026	6509056	221	17:56:40	18:10:50	00:14:10	100
8	404026	6509056	222	17:55:07	18:11:59	00:16:52	100
8	404026	6509056	223	17:53:56	18:12:50	00:18:54	100
8	404026	6509056	224	17:52:59	18:13:25	00:20:25	100
8	404026	6509056	225	17:52:14	18:13:47	00:21:34	100
8	404026	6509056	226	17:51:38	18:13:59	00:22:21	100
8	404026	6509056	227	17:51:11	18:14:01	00:22:50	100
8	404026	6509056	228	17:50:52	18:13:53	00:23:01	100
8	404026	6509056	229	17:50:42	18:13:36	00:22:53	100
8	404026	6509056	230	17:50:41	18:13:08	00:22:27	100
8	404026	6509056	231	17:50:50	18:12:29	00:21:40	100
8	404026	6509056	232	17:51:09	18:11:38	00:20:29	100
8	404026	6509056	233	17:51:42	18:10:32	00:18:50	100
8	404026	6509056	234	17:52:33	18:09:06	00:16:33	100
8	404026	6509056	235	17:53:50	18:07:14	00:13:24	100
8	404026	6509056	236	17:56:02	18:04:29	00:08:27	37.84
9	404413	6508973	115	17:46:29	17:56:48	00:10:19	36.23
9	404413	6508973	116	17:43:15	17:59:45	00:16:30	96.18
9	404413	6508973	117	17:41:04	18:01:39	00:20:35	100
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9	404413	6508973	119	17:38:01	18:04:13	00:26:12	100
9	404413	6508973	120	17:36:52	18:05:11	00:28:20	100
9	404413	6508973	121	17:35:54	18:05:58	00:30:04	100
9	404413	6508973	122	17:35:06	18:06:36	00:31:30	100
9	404413	6508973	123	17:34:26	18:07:07	00:32:41	100
9	404413	6508973	124	17:33:54	18:07:31	00:33:37	100
9	404413	6508973	125	17:33:28	18:07:49	00:34:22	100
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9	404413	6508973	127	17:32:53	18:08:11	00:35:18	100
9	404413	6508973	128	17:32:44	18:08:16	00:35:32	100
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9	404413	6508973	130	17:32:39	18:08:13	00:35:33	100
9	404413	6508973	131	17:32:44	18:08:06	00:35:22	100
9	404413	6508973	132	17:32:53	18:07:56	00:35:03	100
9	404413	6508973	133	17:33:06	18:07:42	00:34:36	100
9	404413	6508973	134	17:33:24	18:07:26	00:34:02	100
9	404413	6508973	135	17:33:46	18:07:06	00:33:20	100
9	404413	6508973	136	17:34:11	18:06:43	00:32:32	100
9	404413	6508973	137	17:34:41	18:06:17	00:31:36	100
9	404413	6508973	138	17:35:15	18:05:48	00:30:32	100
9	404413	6508973	139	17:35:54	18:05:15	00:29:21	100
9	404413	6508973	140	17:36:37	18:04:39	00:28:02	100
9	404413	6508973	141	17:37:25	18:03:59	00:26:34	100
9	404413	6508973	142	17:38:19	18:03:15	00:24:56	100
9	404413	6508973	143	17:39:19	18:02:26	00:23:07	100
9	404413	6508973	144	17:40:27	18:01:31	00:21:04	100
9	404413	6508973	145	17:41:44	18:00:29	00:18:44	100
9	404413	6508973	146	17:43:12	17:59:16	00:16:04	82.86
9	404413	6508973	147	17:44:53	17:57:47	00:12:54	52.26
9	404413	6508973	148	17:47:08	17:55:45	00:08:37	22.81
9	404413	6508973	195	17:55:44	18:04:25	00:08:40	23.06
9	404413	6508973	196	17:53:44	18:06:39	00:12:55	52.25
9	404413	6508973	197	17:52:16	18:08:20	00:16:04	82.57
9	404413	6508973	198	17:51:00	18:09:44	00:18:43	100
9	404413	6508973	199	17:49:54	18:10:56	00:21:02	100
9	404413	6508973	200	17:48:56	18:11:59	00:23:04	100
9	404413	6508973	201	17:48:04	18:12:57	00:24:53	100
9	404413	6508973	202	17:47:18	18:13:48	00:26:31	100
9	404413	6508973	203	17:46:35	18:14:34	00:27:59	100
9	404413	6508973	204	17:45:57	18:15:15	00:29:18	100
9	404413	6508973	205	17:45:23	18:15:51	00:30:29	100
9	404413	6508973	206	17:44:51	18:16:23	00:31:32	100
9	404413	6508973	207	17:44:23	18:16:51	00:32:28	100
9	404413	6508973	208	17:43:58	18:17:14	00:33:17	100
9	404413	6508973	209	17:43:35	18:17:34	00:33:59	100
9	404413	6508973	210	17:43:16	18:17:49	00:34:33	100
9	404413	6508973	211	17:42:59	18:17:59	00:35:00	100
9	404413	6508973	212	17:42:46	18:18:06	00:35:20	100
9	404413	6508973	213	17:42:35	18:18:08	00:35:33	100
9	404413	6508973	214	17:42:28	18:18:06	00:35:37	100
9	404413	6508973	215	17:42:24	18:17:58	00:35:34	100
9	404413	6508973	216	17:42:24	18:17:46	00:35:22	100
9	404413	6508973	217	17:42:28	18:17:28	00:35:00	100
9	404413	6508973	218	17:42:36	18:17:05	00:34:29	100
9	404413	6508973	219	17:42:48	18:16:36	00:33:48	100
9	404413	6508973	220	17:43:05	18:15:59	00:32:54	100
9	404413	6508973	221	17:43:29	18:15:17	00:31:48	100
9	404413	6508973	222	17:43:59	18:14:25	00:30:27	100

9	404413	6508973	223	17:44:36	18:13:24	00:28:48	100
9	404413	6508973	224	17:45:24	18:12:12	00:26:48	100
9	404413	6508973	225	17:46:23	18:10:47	00:24:24	100
9	404413	6508973	226	17:47:36	18:09:09	00:21:32	100
9	404413	6508973	227	17:49:14	18:07:05	00:17:51	100
9	404413	6508973	228	17:51:37	18:04:14	00:12:37	54.4
11	404170	6508225	52	15:18:08	15:19:50	00:01:42	100
11	404170	6508225	53	15:17:51	15:29:24	00:11:32	100
11	404170	6508225	54	15:17:46	15:39:47	00:22:01	100
11	404170	6508225	55	15:17:52	15:40:22	00:22:30	100
11	404170	6508225	56	15:18:11	15:39:46	00:21:35	100
11	404170	6508225	57	15:18:45	15:38:54	00:20:09	100
11	404170	6508225	58	15:19:37	15:37:42	00:18:05	100
11	404170	6508225	59	15:20:57	15:36:04	00:15:07	100
11	404170	6508225	60	15:23:05	15:33:36	00:10:31	58.54
11	404170	6508225	284	14:58:37	15:06:56	00:08:19	35.07
11	404170	6508225	285	14:55:36	15:09:25	00:13:49	100
11	404170	6508225	286	14:53:38	15:10:49	00:17:11	100
11	404170	6508225	287	14:52:14	15:11:43	00:19:29	100
11	404170	6508225	288	14:51:10	15:12:17	00:21:07	100
11	404170	6508225	289	14:50:24	15:12:36	00:22:12	100
11	404170	6508225	290	14:49:51	15:12:42	00:22:51	100
11	404170	6508225	291	14:49:31	15:05:27	00:15:56	100
11	404170	6508225	292	14:49:24	14:55:24	00:06:00	100
12	404677	6508618	71	15:31:04	15:33:56	00:02:52	1.94
12	404677	6508618	72	15:23:23	15:41:35	00:18:12	76.31
12	404677	6508618	73	15:19:43	15:44:59	00:25:15	100
12	404677	6508618	74	15:16:58	15:47:17	00:30:19	100
12	404677	6508618	75	15:14:43	15:49:03	00:34:20	100
12	404677	6508618	76	15:12:48	15:50:26	00:37:38	100
12	404677	6508618	77	15:11:08	15:51:33	00:40:25	100
12	404677	6508618	78	15:09:41	15:52:27	00:42:46	100
12	404677	6508618	79	15:08:24	15:53:09	00:44:46	100
12	404677	6508618	80	15:07:15	15:53:43	00:46:27	100
12	404677	6508618	81	15:06:15	15:54:08	00:47:53	100
12	404677	6508618	82	15:05:22	15:54:25	00:49:03	100
12	404677	6508618	83	15:04:37	15:54:36	00:49:59	100
12	404677	6508618	84	15:03:57	15:54:39	00:50:42	100
12	404677	6508618	85	15:03:24	15:54:37	00:51:13	100
12	404677	6508618	86	15:02:56	15:54:28	00:51:31	100
12	404677	6508618	87	15:02:35	15:54:13	00:51:38	100
12	404677	6508618	88	15:02:19	15:53:53	00:51:33	100
12	404677	6508618	89	15:02:10	15:53:27	00:51:17	100
12	404677	6508618	90	15:02:06	15:52:54	00:50:48	100
12	404677	6508618	91	15:02:08	15:52:17	00:50:08	100
12	404677	6508618	92	15:02:17	15:51:33	00:49:15	100
12	404677	6508618	93	15:02:32	15:50:42	00:48:10	100
12	404677	6508618	94	15:02:55	15:49:45	00:46:50	100
12	404677	6508618	95	15:03:25	15:48:41	00:45:16	100
12	404677	6508618	96	15:04:03	15:47:28	00:43:25	100
12	404677	6508618	97	15:04:51	15:46:07	00:41:16	100
12	404677	6508618	98	15:05:50	15:44:35	00:38:46	100
12	404677	6508618	99	15:07:02	15:42:54	00:35:53	100
12	404677	6508618	100	15:08:30	15:41:01	00:32:31	100
12	404677	6508618	101	15:10:11	15:38:48	00:28:37	100
12	404677	6508618	102	15:12:21	15:36:07	00:23:46	100
12	404677	6508618	103	15:15:24	15:32:33	00:17:09	69.27
12	404677	6508618	104	15:22:16	15:25:12	00:02:57	1.98
12	404677	6508618	240	15:19:33	15:29:52	00:10:19	24.38
12	404677	6508618	241	15:14:37	15:34:12	00:19:35	90.43
12	404677	6508618	242	15:11:24	15:36:48	00:25:24	100
12	404677	6508618	243	15:08:52	15:38:43	00:29:51	100
12	404677	6508618	244	15:06:42	15:40:13	00:33:31	100
12	404677	6508618	245	15:04:44	15:41:25	00:36:41	100
12	404677	6508618	246	15:03:01	15:42:27	00:39:26	100
12	404677	6508618	247	15:01:30	15:43:19	00:41:49	100
12	404677	6508618	248	15:00:08	15:43:59	00:43:52	100
12	404677	6508618	249	14:58:55	15:44:32	00:45:37	100
12	404677	6508618	250	14:57:49	15:44:57	00:47:07	100
12	404677	6508618	251	14:56:51	15:45:14	00:48:23	100
12	404677	6508618	252	14:55:58	15:45:24	00:49:26	100
12	404677	6508618	253	14:55:12	15:45:28	00:50:16	100
12	404677	6508618	254	14:54:32	15:45:26	00:50:54	100
12	404677	6508618	255	14:53:57	15:45:17	00:51:20	100
12	404677	6508618	256	14:53:28	15:45:03	00:51:35	100
12	404677	6508618	257	14:53:04	15:44:43	00:51:39	100
12	404677	6508618	258	14:52:46	15:44:18	00:51:31	100
12	404677	6508618	259	14:52:34	15:43:46	00:51:12	100
12	404677	6508618	260	14:52:28	15:43:09	00:50:41	100
12	404677	6508618	261	14:52:27	15:42:26	00:49:59	100
12	404677	6508618	262	14:52:33	15:41:36	00:49:03	100
12	404677	6508618	263	14:52:45	15:40:39	00:47:54	100
12	404677	6508618	264	14:53:05	15:39:35	00:46:30	100
12	404677	6508618	265	14:53:33	15:38:24	00:44:51	100
12	404677	6508618	266	14:54:10	15:37:03	00:42:53	100
12	404677	6508618	267	14:54:57	15:35:32	00:40:36	100
12	404677	6508618	268	14:55:56	15:33:49	00:37:54	100
12	404677	6508618	269	14:57:10	15:31:51	00:34:42	100
12	404677	6508618	270	14:58:43	15:29:33	00:30:50	100
12	404677	6508618	271	15:00:44	15:26:45	00:26:00	100
12	404677	6508618	272	15:03:34	15:23:01	00:19:26	86.64
12	404677	6508618	273	15:08:50	15:16:31	00:07:41	13.93

Hus 232 Y-koordinat 407337 X-koordinat 6509113
Ingen skygge falder på dette vinduet
Hus Y-koordinat X-koordinat

Turbin	233	Y-koordinat	404787	6508956	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning
	9		404413	6508973	107	16:50:43	16:56:47	00:06:04	28.1
	9		404413	6508973	108	16:42:59	17:01:15	00:18:16	93.25
	9		404413	6508973	109	16:37:09	17:04:02	00:26:53	100
	9		404413	6508973	110	16:34:34	17:06:10	00:31:36	100
	9		404413	6508973	111	16:31:48	17:07:53	00:36:05	100
	9		404413	6508973	112	16:29:59	17:09:19	00:39:21	100
	9		404413	6508973	113	16:28:23	17:10:33	00:42:09	100
	9		404413	6508973	114	16:26:59	17:11:36	00:44:37	100
	9		404413	6508973	115	16:25:44	17:12:31	00:46:46	100
	9		404413	6508973	116	16:24:38	17:13:18	00:48:41	100
	9		404413	6508973	117	16:23:38	17:13:59	00:50:21	100
	9		404413	6508973	118	16:22:45	17:14:36	00:51:51	100
	9		404413	6508973	119	16:21:58	17:15:07	00:53:09	100
	9		404413	6508973	120	16:21:16	17:15:34	00:54:18	100
	9		404413	6508973	121	16:20:39	17:15:59	00:55:20	100
	9		404413	6508973	122	16:20:07	17:16:22	00:56:15	100
	9		404413	6508973	123	16:19:39	17:16:40	00:57:01	100
	9		404413	6508973	124	16:19:15	17:12:59	00:53:44	100
	9		404413	6508973	125	16:18:55	17:13:12	00:54:17	100
	9		404413	6508973	126	16:18:39	17:13:22	00:54:43	100
	9		404413	6508973	127	16:18:26	17:13:29	00:55:03	100
	9		404413	6508973	128	16:18:16	17:13:34	00:55:17	100
	9		404413	6508973	129	16:18:10	17:13:36	00:55:26	100
	9		404413	6508973	130	16:18:06	17:13:37	00:55:30	100
	9		404413	6508973	131	16:18:06	17:13:35	00:55:29	100
	9		404413	6508973	132	16:18:09	17:13:32	00:55:23	100
	9		404413	6508973	133	16:18:14	17:13:27	00:55:13	100
	9		404413	6508973	134	16:18:21	17:13:20	00:54:59	100
	9		404413	6508973	135	16:18:31	17:13:12	00:54:40	100
	9		404413	6508973	136	16:18:44	17:13:02	00:54:18	100
	9		404413	6508973	137	16:18:59	17:12:51	00:53:52	100
	9		404413	6508973	138	16:19:16	17:12:39	00:53:23	100
	9		404413	6508973	139	16:19:35	17:12:25	00:52:51	100
	9		404413	6508973	140	16:19:56	17:12:11	00:52:15	100
	9		404413	6508973	141	16:20:19	17:11:56	00:51:37	100
	9		404413	6508973	142	16:20:43	17:11:40	00:50:56	100
	9		404413	6508973	143	16:21:10	17:11:23	00:50:13	100
	9		404413	6508973	144	16:21:38	17:11:05	00:49:27	100
	9		404413	6508973	145	16:22:07	17:10:47	00:48:40	100
	9		404413	6508973	146	16:22:38	17:10:29	00:47:50	100
	9		404413	6508973	147	16:23:11	17:10:10	00:46:59	100
	9		404413	6508973	148	16:23:44	17:09:51	00:46:07	100
	9		404413	6508973	149	16:24:18	17:09:31	00:45:13	100
	9		404413	6508973	150	16:24:54	17:09:12	00:44:18	100
	9		404413	6508973	151	16:25:30	17:08:53	00:43:23	100
	9		404413	6508973	152	16:26:07	17:08:34	00:42:27	100
	9		404413	6508973	153	16:26:45	17:08:15	00:41:31	100
	9		404413	6508973	154	16:27:22	17:07:57	00:40:35	100
	9		404413	6508973	155	16:28:01	17:07:40	00:39:39	100
	9		404413	6508973	156	16:28:39	17:07:23	00:38:44	100
	9		404413	6508973	157	16:29:17	17:07:07	00:37:50	100
	9		404413	6508973	158	16:29:55	17:06:52	00:36:57	100
	9		404413	6508973	159	16:30:32	17:06:38	00:36:05	100
	9		404413	6508973	160	16:31:09	17:06:25	00:35:16	100
	9		404413	6508973	161	16:31:45	17:06:14	00:34:29	100
	9		404413	6508973	162	16:32:19	17:06:04	00:33:45	100
	9		404413	6508973	163	16:32:52	17:05:56	00:33:03	100
	9		404413	6508973	164	16:33:24	17:05:50	00:32:25	100
	9		404413	6508973	165	16:33:54	17:05:46	00:31:51	100
	9		404413	6508973	166	16:34:22	17:05:44	00:31:22	100
	9		404413	6508973	167	16:34:48	17:05:44	00:30:56	100
	9		404413	6508973	168	16:35:12	17:05:47	00:30:35	100
	9		404413	6508973	169	16:35:33	17:05:52	00:30:20	100
	9		404413	6508973	170	16:35:51	17:06:00	00:30:09	100
	9		404413	6508973	171	16:36:07	17:06:10	00:30:04	100
	9		404413	6508973	172	16:36:20	17:06:23	00:30:04	100
	9		404413	6508973	173	16:36:30	17:06:39	00:30:09	100
	9		404413	6508973	174	16:36:38	17:06:57	00:30:19	100
	9		404413	6508973	175	16:36:42	17:07:18	00:30:35	100
	9		404413	6508973	176	16:36:45	17:07:41	00:30:56	100
	9		404413	6508973	177	16:36:44	17:08:06	00:31:21	100
	9		404413	6508973	178	16:36:42	17:08:33	00:31:51	100
	9		404413	6508973	179	16:36:37	17:09:02	00:32:25	100
	9		404413	6508973	180	16:36:30	17:09:33	00:33:03	100
	9		404413	6508973	181	16:36:21	17:10:05	00:33:44	100
	9		404413	6508973	182	16:36:10	17:10:38	00:34:28	100
	9		404413	6508973	183	16:35:58	17:11:13	00:35:15	100
	9		404413	6508973	184	16:35:45	17:11:49	00:36:04	100
	9		404413	6508973	185	16:35:30	17:12:25	00:36:55	100
	9		404413	6508973	186	16:35:14	17:13:02	00:37:48	100
	9		404413	6508973	187	16:34:57	17:13:39	00:38:42	100
	9		404413	6508973	188	16:34:39	17:14:16	00:39:37	100
	9		404413	6508973	189	16:34:21	17:14:53	00:40:32	100
	9		404413	6508973	190	16:34:02	17:15:30	00:41:28	100
	9		404413	6508973	191	16:33:43	17:16:07	00:42:24	100
	9		404413	6508973	192	16:33:23	17:16:43	00:43:20	100
	9		404413	6508973	193	16:33:04	17:17:19	00:44:15	100
	9		404413	6508973	194	16:32:44	17:17:53	00:45:09	100
	9		404413	6508973	195	16:32:24	17:18:27	00:46:03	100
	9		404413	6508973	196	16:32:04	17:18:59	00:46:55	100
	9		404413	6508973	197	16:31:44	17:19:30	00:47:46	100
	9		404413	6508973	198	16:31:25	17:20:00	00:48:35	100
	9		404413	6508973	199	16:31:06	17:20:29	00:49:23	100
	9		404413	6508973	200	16:30:47	17:20:55	00:50:08	100
	9		404413	6508973	201	16:30:29	17:21:21	00:50:52	100

9	404413	6508973	202	16:30:12	17:21:44	00:51:32	100
9	404413	6508973	203	16:29:55	17:22:05	00:52:11	100
9	404413	6508973	204	16:29:39	17:22:25	00:52:46	100
9	404413	6508973	205	16:29:23	17:22:42	00:53:19	100
9	404413	6508973	206	16:29:09	17:22:57	00:53:48	100
9	404413	6508973	207	16:28:56	17:23:10	00:54:14	100
9	404413	6508973	208	16:28:43	17:23:20	00:54:37	100
9	404413	6508973	209	16:28:32	17:23:28	00:54:56	100
9	404413	6508973	210	16:28:22	17:23:33	00:55:11	100
9	404413	6508973	211	16:28:14	17:23:36	00:55:22	100
9	404413	6508973	212	16:28:07	17:23:36	00:55:29	100
9	404413	6508973	213	16:28:02	17:23:33	00:55:31	100
9	404413	6508973	214	16:27:58	17:23:26	00:55:28	100
9	404413	6508973	215	16:27:56	17:23:17	00:55:21	100
9	404413	6508973	216	16:27:56	17:23:04	00:55:08	100
9	404413	6508973	217	16:27:58	17:22:48	00:54:49	100
9	404413	6508973	218	16:28:03	17:22:28	00:54:25	100
9	404413	6508973	219	16:28:09	17:22:04	00:53:55	100
9	404413	6508973	220	16:28:19	17:25:33	00:57:14	100
9	404413	6508973	221	16:28:31	17:25:01	00:56:30	100
9	404413	6508973	222	16:28:46	17:24:25	00:55:39	100
9	404413	6508973	223	16:29:04	17:23:44	00:54:40	100
9	404413	6508973	224	16:29:26	17:23:00	00:53:34	100
9	404413	6508973	225	16:29:52	17:22:12	00:52:20	100
9	404413	6508973	226	16:30:22	17:21:18	00:50:56	100
9	404413	6508973	227	16:30:57	17:20:18	00:49:21	100
9	404413	6508973	228	16:31:38	17:19:11	00:47:33	100
9	404413	6508973	229	16:32:25	17:17:57	00:45:32	100
9	404413	6508973	230	16:33:20	17:16:34	00:43:14	100
9	404413	6508973	231	16:34:24	17:15:01	00:40:37	100
9	404413	6508973	232	16:35:40	17:13:16	00:37:36	100
9	404413	6508973	233	16:37:10	17:11:15	00:34:05	100
9	404413	6508973	234	16:39:43	17:08:54	00:29:11	100
9	404413	6508973	235	16:42:46	17:06:02	00:23:16	100
9	404413	6508973	236	16:49:38	17:02:11	00:12:34	60.14
11	404170	6508225	36	14:12:53	14:15:50	00:02:57	100
11	404170	6508225	37	14:12:14	14:23:02	00:10:48	100
11	404170	6508225	38	14:12:37	14:30:39	00:18:02	100
11	404170	6508225	39	14:13:08	14:37:07	00:23:59	100
11	404170	6508225	40	14:13:50	14:36:30	00:22:40	100
11	404170	6508225	41	14:14:44	14:35:40	00:20:55	100
11	404170	6508225	42	14:15:56	14:34:31	00:18:35	100
11	404170	6508225	43	14:17:34	14:32:56	00:15:21	100
11	404170	6508225	44	14:19:59	14:30:31	00:10:31	48.94
11	404170	6508225	300	13:52:45	13:57:19	00:04:34	8.46
11	404170	6508225	301	13:48:35	14:01:08	00:12:33	71.67
11	404170	6508225	302	13:46:26	14:03:03	00:16:37	100
11	404170	6508225	303	13:44:56	14:04:23	00:19:27	100
11	404170	6508225	304	13:43:49	14:05:23	00:21:33	100
11	404170	6508225	305	13:42:59	14:06:07	00:23:08	100
11	404170	6508225	306	13:42:23	14:05:38	00:23:15	100
11	404170	6508225	307	13:41:57	13:57:55	00:15:58	100
11	404170	6508225	308	13:41:41	13:50:37	00:08:56	100
11	404170	6508225	309	13:42:27	13:43:44	00:01:16	100
12	404677	6508618	35	12:43:20	12:48:18	00:04:58	4.79
12	404677	6508618	36	12:37:01	12:56:06	00:19:06	62.57
12	404677	6508618	37	12:33:45	12:59:53	00:26:09	100
12	404677	6508618	38	12:31:17	13:02:38	00:31:21	100
12	404677	6508618	39	12:29:16	13:04:51	00:35:35	100
12	404677	6508618	40	12:27:32	13:06:43	00:39:10	100
12	404677	6508618	41	12:26:01	13:08:19	00:42:18	100
12	404677	6508618	42	12:24:41	13:09:43	00:45:03	100
12	404677	6508618	43	12:23:28	13:10:57	00:47:29	100
12	404677	6508618	44	12:22:23	13:12:02	00:49:39	100
12	404677	6508618	45	12:21:24	13:12:59	00:51:35	100
12	404677	6508618	46	12:20:31	13:13:48	00:53:18	100
12	404677	6508618	47	12:19:42	13:14:31	00:54:49	100
12	404677	6508618	48	12:18:59	13:15:07	00:56:08	100
12	404677	6508618	49	12:18:20	13:15:37	00:57:17	100
12	404677	6508618	50	12:17:45	13:16:02	00:58:17	100
12	404677	6508618	51	12:17:15	13:16:21	00:59:06	100
12	404677	6508618	52	12:16:49	13:16:34	00:59:45	100
12	404677	6508618	53	12:16:26	13:16:42	01:00:16	100
12	404677	6508618	54	12:16:08	13:16:45	01:00:37	100
12	404677	6508618	55	12:15:54	13:16:42	01:00:48	100
12	404677	6508618	56	12:15:43	13:16:34	01:00:51	100
12	404677	6508618	57	12:15:37	13:16:21	01:00:44	100
12	404677	6508618	58	12:15:35	13:16:03	01:00:28	100
12	404677	6508618	59	12:15:37	13:15:39	01:00:01	100
12	404677	6508618	60	12:15:44	13:15:09	00:59:25	100
12	404677	6508618	61	12:15:56	13:14:34	00:58:38	100
12	404677	6508618	62	12:16:13	13:13:53	00:57:41	100
12	404677	6508618	63	12:16:34	13:13:06	00:56:32	100
12	404677	6508618	64	12:16:59	13:12:12	00:55:13	100
12	404677	6508618	65	12:17:32	13:11:11	00:53:40	100
12	404677	6508618	66	12:18:10	13:10:03	00:51:52	100
12	404677	6508618	67	12:18:57	13:08:45	00:49:49	100
12	404677	6508618	68	12:19:52	13:07:19	00:47:27	100
12	404677	6508618	69	12:20:57	13:05:41	00:44:44	100
12	404677	6508618	70	12:22:14	13:03:49	00:41:35	100
12	404677	6508618	71	12:23:47	13:01:41	00:37:54	100
12	404677	6508618	72	12:25:41	12:59:10	00:33:30	100
12	404677	6508618	73	12:28:05	12:56:05	00:27:59	100
12	404677	6508618	74	12:31:27	12:51:52	00:20:25	78.09
12	404677	6508618	75	12:38:40	12:42:50	00:04:10	3.58
12	404677	6508618	270	12:15:15	12:32:05	00:16:50	52.2
12	404677	6508618	271	12:10:44	12:36:22	00:25:38	100

12	404677	6508618	272	12:07:29	12:39:06	00:31:37	100	
12	404677	6508618	273	12:04:51	12:41:10	00:36:19	100	
12	404677	6508618	274	12:02:37	12:42:49	00:40:11	100	
12	404677	6508618	275	12:00:40	12:44:10	00:43:29	100	
12	404677	6508618	276	11:58:57	12:45:17	00:46:20	100	
12	404677	6508618	277	11:57:25	12:46:14	00:48:48	100	
12	404677	6508618	278	11:56:03	12:47:01	00:50:58	100	
12	404677	6508618	279	11:54:50	12:47:41	00:52:51	100	
12	404677	6508618	280	11:53:44	12:48:13	00:54:29	100	
12	404677	6508618	281	11:52:45	12:48:39	00:55:54	100	
12	404677	6508618	282	11:51:53	12:48:59	00:57:07	100	
12	404677	6508618	283	11:51:05	12:49:14	00:58:10	100	
12	404677	6508618	284	11:50:22	12:49:24	00:59:01	100	
12	404677	6508618	285	11:49:46	12:49:29	00:59:43	100	
12	404677	6508618	286	11:49:15	12:49:30	01:00:14	100	
12	404677	6508618	287	11:48:50	12:49:26	01:00:36	100	
12	404677	6508618	288	11:48:29	12:49:18	01:00:49	100	
12	404677	6508618	289	11:48:14	12:49:06	01:00:52	100	
12	404677	6508618	290	11:48:04	12:48:50	01:00:46	100	
12	404677	6508618	291	11:47:59	12:48:30	01:00:31	100	
12	404677	6508618	292	11:47:59	12:48:07	01:00:07	100	
12	404677	6508618	293	11:48:05	12:47:39	00:59:34	100	
12	404677	6508618	294	11:48:15	12:47:07	00:58:52	100	
12	404677	6508618	295	11:48:31	12:46:32	00:58:01	100	
12	404677	6508618	296	11:48:52	12:45:52	00:56:59	100	
12	404677	6508618	297	11:49:19	12:45:07	00:55:49	100	
12	404677	6508618	298	11:49:52	12:44:19	00:54:27	100	
12	404677	6508618	299	11:50:31	12:43:25	00:52:54	100	
12	404677	6508618	300	11:51:16	12:42:26	00:51:10	100	
12	404677	6508618	301	11:52:09	12:41:22	00:49:13	100	
12	404677	6508618	302	11:53:10	12:40:11	00:47:01	100	
12	404677	6508618	303	11:54:19	12:38:52	00:44:33	100	
12	404677	6508618	304	11:55:38	12:37:24	00:41:46	100	
12	404677	6508618	305	11:57:09	12:35:46	00:38:37	100	
12	404677	6508618	306	11:58:55	12:33:53	00:34:58	100	
12	404677	6508618	307	12:01:01	12:31:41	00:30:40	100	
12	404677	6508618	308	12:03:35	12:28:56	00:25:21	100	
12	404677	6508618	309	12:07:04	12:25:03	00:17:59	55.24	
Hus	Y-koordinat	X-koordinat						
234		407368	6509199					
Ingen skygge faller på dette vinduet								
Hus	Y-koordinat	X-koordinat						
235		407366	6509269					
Ingen skygge faller på dette vinduet								
Hus	Y-koordinat	X-koordinat						
236		405602	6509231					
Turbin	Y-koordinat	X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning	
2		404288	6509591	100	18:09:35	18:14:01	00:04:26	12.93
2		404288	6509591	101	18:06:12	18:16:54	00:10:41	81.64
2		404288	6509591	102	18:04:23	18:18:19	00:13:56	100
2		404288	6509591	103	18:03:07	18:19:07	00:15:59	100
2		404288	6509591	104	18:02:14	18:19:33	00:17:19	100
2		404288	6509591	105	18:01:38	18:19:42	00:18:05	100
2		404288	6509591	106	18:01:16	18:19:37	00:18:21	100
2		404288	6509591	107	18:01:09	18:19:18	00:18:09	100
2		404288	6509591	108	18:01:16	18:18:46	00:17:30	100
2		404288	6509591	109	18:01:39	18:17:59	00:16:20	100
2		404288	6509591	110	18:02:21	18:16:53	00:14:32	100
2		404288	6509591	111	18:03:31	18:15:22	00:11:51	98.71
2		404288	6509591	112	18:05:35	18:13:00	00:07:25	36.13
2		404288	6509591	231	18:11:50	18:16:58	00:05:08	16.71
2		404288	6509591	232	18:08:48	18:19:29	00:10:41	77.86
2		404288	6509591	233	18:06:58	18:20:44	00:13:46	100
2		404288	6509591	234	18:05:41	18:21:28	00:15:48	100
2		404288	6509591	235	18:04:43	18:21:52	00:17:09	100
2		404288	6509591	236	18:04:01	18:21:59	00:17:58	100
2		404288	6509591	237	18:03:33	18:21:53	00:18:20	100
2		404288	6509591	238	18:03:17	18:21:33	00:18:15	100
2		404288	6509591	239	18:03:15	18:20:58	00:17:43	100
2		404288	6509591	240	18:03:28	18:20:08	00:16:40	100
2		404288	6509591	241	18:03:59	18:18:58	00:14:59	100
2		404288	6509591	242	18:04:55	18:17:20	00:12:25	100
2		404288	6509591	243	18:06:39	18:14:53	00:08:14	46.07
9		404413	6508973	63	16:44:12	16:50:49	00:06:37	26.88
9		404413	6508973	64	16:41:10	16:53:29	00:12:19	99.96
9		404413	6508973	65	16:39:22	16:54:54	00:15:32	100
9		404413	6508973	66	16:38:06	16:55:43	00:17:37	100
9		404413	6508973	67	16:37:12	16:56:10	00:18:58	100
9		404413	6508973	68	16:36:35	16:56:19	00:19:44	100
9		404413	6508973	69	16:36:13	16:56:12	00:19:59	100
9		404413	6508973	70	16:36:07	16:55:49	00:19:42	100
9		404413	6508973	71	16:36:15	16:55:10	00:18:55	100
9		404413	6508973	72	16:36:42	16:54:13	00:17:31	100
9		404413	6508973	73	16:37:33	16:52:53	00:15:20	100
9		404413	6508973	74	16:38:59	16:50:57	00:11:58	94.9
9		404413	6508973	75	16:41:50	16:47:36	00:05:45	20.38
9		404413	6508973	269	16:24:29	16:30:20	00:05:51	20.93
9		404413	6508973	270	16:21:04	16:33:00	00:11:56	93.75
9		404413	6508973	271	16:19:01	16:34:18	00:15:17	100
9		404413	6508973	272	16:17:34	16:35:01	00:17:27	100
9		404413	6508973	273	16:16:31	16:35:23	00:18:52	100
9		404413	6508973	274	16:15:46	16:35:27	00:19:41	100
9		404413	6508973	275	16:15:17	16:35:16	00:19:59	100
9		404413	6508973	276	16:15:03	16:34:51	00:19:48	100
9		404413	6508973	277	16:15:04	16:34:10	00:19:06	100
9		404413	6508973	278	16:15:23	16:33:13	00:17:51	100

	2	404288	6509591	354	10:42:57	10:57:24	00:14:27	100	
	2	404288	6509591	355	10:43:25	10:57:55	00:14:30	100	
	2	404288	6509591	356	10:43:55	10:58:24	00:14:29	100	
	2	404288	6509591	357	10:44:28	10:58:51	00:14:24	100	
	2	404288	6509591	358	10:45:02	10:59:16	00:14:14	100	
	2	404288	6509591	359	10:45:39	10:59:39	00:14:00	100	
	2	404288	6509591	360	10:46:18	10:59:59	00:13:41	100	
	2	404288	6509591	361	10:46:59	11:00:16	00:13:17	100	
	2	404288	6509591	362	10:47:45	11:00:30	00:12:46	93.82	
	2	404288	6509591	363	10:48:33	11:00:40	00:12:07	83.02	
	2	404288	6509591	364	10:49:26	11:00:44	00:11:18	70.73	
	2	404288	6509591	365	10:50:26	11:00:41	00:10:16	56.97	
Hus		Y-koordinat	X-koordinat						
	243		401966	6510787					
Ingen skygge faller på dette vinduet									
Hus		Y-koordinat	X-koordinat						
	244		404084	6510983					
Turbin		Y-koordinat	X-koordinat	Dag	Starttidspunkt	Sluttidspunkt	Varighet	% dekning	
	1		403923	6509661	354	11:51:25	11:54:13	00:02:49	2.51
	1		403923	6509661	355	11:51:41	11:54:55	00:03:14	3.58
	1		403923	6509661	356	11:52:16	11:55:20	00:03:04	3.16
	1		403923	6509661	357	11:53:14	11:55:24	00:02:10	1.24
	2		404288	6509591	352	10:43:32	10:44:14	00:00:42	0.29
	2		404288	6509591	353	10:42:59	10:45:44	00:02:45	4.42
	2		404288	6509591	354	10:43:08	10:46:50	00:03:42	7.06
	2		404288	6509591	355	10:43:30	10:47:31	00:04:01	8.2
	2		404288	6509591	356	10:44:02	10:47:57	00:03:55	7.85
	2		404288	6509591	357	10:44:45	10:48:07	00:03:22	6.01
	2		404288	6509591	358	10:45:47	10:47:55	00:02:08	2.66
Hus		Y-koordinat	X-koordinat						
	245		407099	6511386					
Ingen skygge faller på dette vinduet									
Hus		Y-koordinat	X-koordinat						
	246		407121	6511530					
Ingen skygge faller på dette vinduet									
Hus		Y-koordinat	X-koordinat						
	247		406916	6511565					
Ingen skygge faller på dette vinduet									
Hus		Y-koordinat	X-koordinat						
	248		407032	6511594					
Ingen skygge faller på dette vinduet									
Hus		Y-koordinat	X-koordinat						
	249		406749	6511573					
Ingen skygge faller på dette vinduet									
Hus		Y-koordinat	X-koordinat						
	250		406936	6511669					
Ingen skygge faller på dette vinduet									
Hus		Y-koordinat	X-koordinat						
	251		405297	6511571					
Ingen skygge faller på dette vinduet									
Hus		Y-koordinat	X-koordinat						
	252		402497	6511606					
Ingen skygge faller på dette vinduet									
Hus		Y-koordinat	X-koordinat						
	253		406545	6498334					
Ingen skygge faller på dette vinduet									
Hus		Y-koordinat	X-koordinat						
	254		406545	6498334					
Ingen skygge faller på dette vinduet									
Hus		Y-koordinat	X-koordinat						
	255		406559	6509800					
Ingen skygge faller på dette vinduet									