

**PROGETTO DEFINITIVO
PER LA REALIZZAZIONE DI UN PARCO EOLICO
RICADENTE NEL COMUNE DI FERRANDINA (MT)
IN LOCALITA' SERRA S. PIETRO ED
OPERE DI CONNESSIONE NEL COMUNE DI GARAGUSO (MT)**



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| 05 | | | | | |
| 06 | | | | | |

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Il presente aggiornamento del documento è redatto in risposta alla nota di richiesta di integrazione pervenuta dal MASE con protocollo n. 10240 del 12/09/2023.

Le revisioni del documento afferenti alla nota di cui sopra sono riportate in blu.

PREMESSA

La presente relazione tecnica specialistica descrive l'evoluzione giornaliera delle ombre generate dalle pale eoliche facenti parte del progetto dell'impianto eolico per la produzione di energia elettrica proposto dalla società **SORGENIA RENEWABLES s.r.l.**, Via A. Algardi n. 4, 20148 Milano (MI).

La proposta progettuale è finalizzata alla realizzazione di un impianto eolico per la produzione di energia elettrica da fonte rinnovabile eolica, costituito da 11 aerogeneratori, ciascuno di potenza nominale massima di circa 6,20 MW per una potenza complessiva di 68,20 MW, da realizzarsi nel territorio comunale di Ferrandina (MT), in cui ricadono gli aerogeneratori e parte dell'elettrodotto esterno, e nei territori comunali di San Mauro Forte, Salandra e Garaguso, in cui ricade la restante parte dell'elettrodotto esterno. Le opere di connessione alla RTN saranno anch'esse collocate nel comune di Garaguso.

Il parco eolico di progetto sarà ubicato in località Serra di S. Pietro nell'area a sud-ovest dell'abitato di Ferrandina ad una distanza dal centro abitato di oltre 5 km.

I terreni sui quali si installerà il parco eolico, interessa una superficie di circa 1.000 ettari, anche se la quantità di suolo effettivamente occupato è significativamente inferiore e limitato alle aree di piazzole dove verranno installati gli aerogeneratori, come visibile sugli elaborati planimetrici allegati al progetto.

L'area di progetto, intesa sia come quella occupato dagli 11 aerogeneratori di progetto, con annesse piazzole e relativi cavidotti di interconnessione interna, e parte del cavidotto esterno, interessa il territorio comunale di Ferrandina censito al NCT ai fogli di mappa nn. 65, 66, 73, 74, 75, 76, 77, 83, 84, 86, 87 parte del cavidotto esterno ricade nel territorio del comune di San Mauro Forte, censito al NCT ai fogli di mappa nn. 4, 7, 24, 25, 29 e 30 e di Salandra, censito al NCT ai fogli di mappa nn. 38, 39, 44, 45, 50 e 51 la restante parte del cavidotto esterno e la sottostazione di consegna ricadono nel territorio comunale di Garaguso censito al NCT ai fogli di mappa n. 43 e 47.

Di seguito si riporta la tabella riepilogativa, in cui sono indicate per ciascun aerogeneratore le relative coordinate e le particelle catastali, con riferimento al catasto dei terreni del Comune di Ferrandina.

Tabella dati geografici e catastali degli Aerogeneratori:

| WTG | COORDINATE GEOGRAFICHE WGS84 | | COORDINATE PLANIMETRICHE UTM33 /WGS84 | | COORDINATE PLANIMETRICHE GAUSS BOAGA | | DATI CATASTALI | | |
|-----|------------------------------|------------------|---------------------------------------|-----------|--------------------------------------|------------|----------------|-----------|----------|
| | LATITUDINE | LONGITUDINE | NORD (Y) | EST (X) | NORD (Y) | EST (X) | Comune | foglio n. | part. n. |
| 01 | 40° 25' 29.9291" | 16° 22' 48.3521" | 4475842,53 | 617073,48 | 4475847,24 | 2637080,78 | Ferrandina | 83 | 57 |
| 02 | 40° 25' 49.8848" | 16° 23' 6.4577" | 4476464,00 | 617490,00 | 4476468.70 | 2637497.79 | Ferrandina | 83 | 52 |
| 03 | 40° 26' 14.0122 | 16° 22' 55.7475 | 4477204,82 | 617226,52 | 4477208.70 | 2637233.80 | Ferrandina | 75 | 48 |
| 04 | 40°27'28.4500" | 16°22'44.4100" | 4478453,93 | 616738,27 | 4478458.56 | 2639745.90 | Ferrandina | 75 | 137 |
| 05 | 40° 27' 2.4176" | 16° 22' 7.9184" | 4478679,19 | 616076,06 | 4478683.70 | 2636083.83 | Ferrandina | 75 | 152 |
| 06 | 40° 27' 28.4500" | 16° 22' 44.4100" | 4479495,00 | 616923,00 | 4479499,50 | 2636930.76 | Ferrandina | 73 | 196 |
| 07 | 40° 26' 41.4819" | 16° 23' 49.6689" | 4478071,61 | 618483,90 | 4478075.68 | 2638490.81 | Ferrandina | 74 | 42 |
| 08 | 40° 26' 20.8835" | 16° 24' 22.1377" | 4477448,00 | 619258,00 | 4477452.68 | 2639265.80 | Ferrandina | 76 | 214 |
| 09 | 40° 25' 50.8355" | 16° 25' 11.2517" | 4476540,00 | 620430,00 | 4476544.67 | 2640437.78 | Ferrandina | 86 | 33 |
| 10 | 40° 26' 11.2849" | 16° 26' 2.3599" | 4477190,33 | 621624,61 | 4477194.66 | 2641631.78 | Ferrandina | 87 | 14 |
| 11 | 40° 26' 34.6058" | 16° 26' 7.3550" | 4477911,23 | 621730,43 | 4477915.65 | 2641737.79 | Ferrandina | 77 | 57 |

1 ANALISI DELL'ESPOSIZIONE SOLARE ANNUALE

La posizione occupata nel cielo dal sole è compiutamente individuata mediante la misura di due coordinate angolari, azimut ed elevazione (altezza). L'azimut viene misurato, in senso orario, sul piano orizzontale, a partire dal nord geografico fino al punto sull'orizzonte direttamente sotto all'oggetto; l'elevazione, invece, viene misurata sul piano verticale, partendo da tale punto sino ad arrivare in corrispondenza dell'oggetto. A causa del moto della Terra intorno al sole, tali coordinate variano senza soluzione di continuità e la traiettoria descritta nel cielo dal sole è assimilabile ad un arco; ogni giorno si caratterizza per un proprio arco, il quale si discosta, se pur di poco, da quello del giorno immediatamente precedente e successivo. Ad ogni modo, si può affermare che un certo arco si ripete quasi esattamente ogni anno. Dicesi giorno l'intervallo di tempo nel quale giunge al suolo luce solare diretta per cui, la sua durata è pari al tempo che intercorre tra alba e tramonto.

La durata del giorno non coincide con la durata della luce naturale dato che sia prima dell'alba che dopo il tramonto sono rilevabili due periodi, chiamati entrambi crepuscolo (rispettivamente crepuscolo mattutino e crepuscolo serale o serotino), durante i quali giunge a terra una luce diffusa naturale fornita dai livelli più esterni dell'atmosfera i quali, trovandosi a quote più elevate, ricevono infatti luce solare diretta per un tempo più lungo riflettendola in parte verso la terra. Per quanto detto, la durata dell'illuminazione solare è pari alla somma della durata del giorno e della durata del crepuscolo mattutino e serale. Se non si verificasse il fenomeno descritto, il passaggio dal giorno alla notte e viceversa avverrebbe in maniera

repentina.

2 VALUTAZIONE PREVENTIVA DELLE OMBRE GENERATE

Le turbine eoliche, come altre strutture spiccatamente sviluppate in altezza, proiettano un'ombra sulle aree adiacenti in presenza della luce solare diretta. In particolare si hanno fenomeni quasi statici legati alla presenza della torre fissa ed effetti dinamici legati alla rotazione del rotore con le sue tre pale.

Il primo fenomeno potrebbe avere come conseguenza l'incremento della probabilità di formazione di ghiaccio sulle strade asfaltate soggette a rilevante traffico (se presenti) in particolare nelle prime ed ultime ore del giorno.

Il secondo fenomeno è legato alla presenza di un osservatore posto in modo da vedere interposto il rotore tra sé e il sole. Si precisa che i fenomeni di ombreggiamento descritti attualmente non sono regolati da una specifica normativa.

Ai fini della presente trattazione è stato preso in considerazione un modello tipologico di aerogeneratore avente un'altezza massima (altezza al mozzo + lunghezza della pala) pari a 200 m dato che l'apparecchio effettivamente installato non avrà un'altezza massima superiore a tale valore. È stato stimato l'effetto "flicker" prodotto dall'impianto eolico; trattasi di un fenomeno per cui si genera una intermittenza dell'ombra (una sorta di effetto stroboscopico) a seguito del movimento del rotore dell'aerogeneratore quando in esercizio (in particolare quando il piano del rotore risulta perpendicolare alla congiungente tra l'osservatore e il sole), e che potrebbe risultare spiacevole per un osservatore. Per eseguire tale analisi è stato impiegato il software WindPRO.

Nel calcolo sono state assunte le seguenti ipotesi ampiamente conservative (caso peggiore – *worst case*):

- Sole splendente tutto il giorno e per tutto l'anno;
- Impianto costantemente in funzione (presenza costante di vento);
- Piano del rotore sempre ortogonale alla congiungente tra l'osservatore e il sole;
- Altezza minima del sole sull'orizzonte pari a 3°;
- Effetto dell'ombra proiettata fino a una distanza di 2000 m dalle torri;
- Totale assenza di ostacoli o schermi vegetazionali presenti negli spazi circostanti i possibili recettori.



Il report di calcolo restituisce un grafico finale che riporta in pianta il numero massimo di ore/anno in cui ad altezza dell'occhio umano si verifica l'effetto flicker descritto. Tale numero è rappresentato graficamente sul territorio con aree di diverse sfumature di colore in base al numero di ore/anno di possibile effetto flicker.

Di seguito viene allegato il calcolo dell'ombra per i fabbricati, maggiormente coinvolti dall'effetto flicker, presenti nel raggio di 1 km.

Dai tabulati è possibile verificare che, nonostante sono assunte le condizioni peggiorative assolute, cioè:

- cioè sole sempre presente, soleggiamento massimo in tutti i giorni dell'anno;
- pale eoliche sempre in rotazione;
- orientamento delle finestre sempre in direzione delle turbine ("modalità serra")
- dimensione tipica finestra 1,5x1,5 m, in tutte le esposizioni, altezza della finestra da terra 1 m
- altezza occhio umano 1,5 m

l'effetto ombra è modesto per gli immobili presenti nell'area di progetto, infatti

- **la massima durata dell'ombra all'anno è di 198:08 ore/anno con un ombreggiamento giornaliero massimo di 1:20 ore/giorno, tale risultato si rileva per un recettore di categoria D10. Mentre per quanto concerne i recettori sensibili (categoria catastale A) il valore maggiore di ombra all'anno è di 176:22 ore/anno con un ombreggiamento giornaliero di 1:17 ore/giorno;**
- **sempre dai tabulati risulta che la media di ombreggiamento sui ricettori è inferiore ad 1 ora/giorno.**

I risultati ottenuti sono riportati nella tavola seguente:



Calcolo: SHADOW FLIKER FERRANDINA

Risultati dei calcoli

Recettore d'ombra

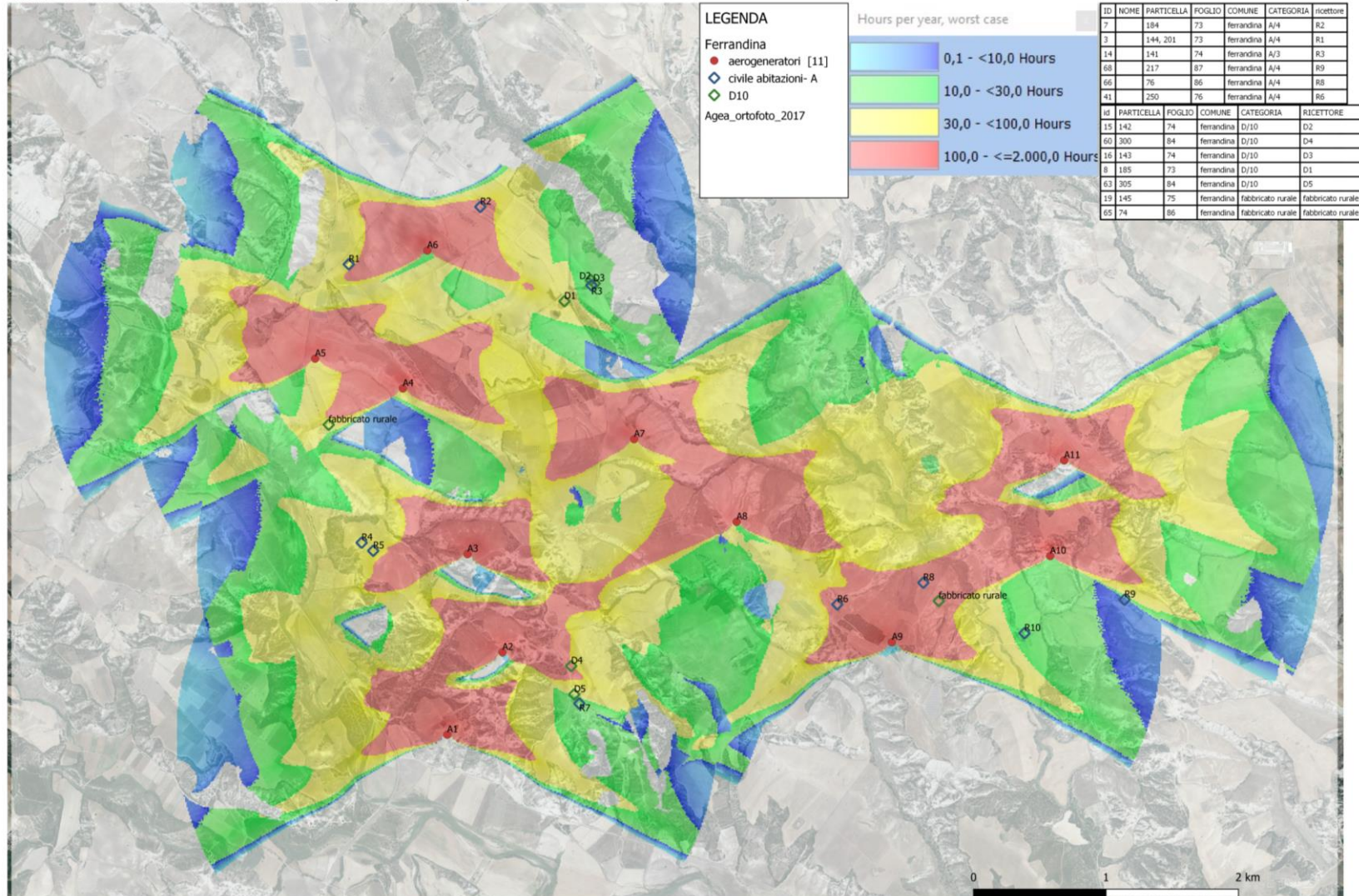
Ombra, caso peggiore

| n. | Ore d'ombra per anno [ore/anno] | Giorni con ombra per anno [giorni/anno] | Massima durata dell'ombra per giorno [ore/giorno] |
|-----|------------------------------------|---|--|
| D1 | 57:58 | 171 | 0:37 |
| D2 | 19:44 | 82 | 0:29 |
| D3 | 18:31 | 78 | 0:28 |
| D4 | 120:48 | 203 | 1:08 |
| D5 | 36:38 | 111 | 0:30 |
| D6 | 67:49 | 99 | 0:56 |
| D7 | 198:23 | 205 | 1:16 |
| R1 | 81:47 | 106 | 1:06 |
| R10 | 25:19 | 50 | 0:39 |
| R2 | 141:17 | 122 | 1:20 |
| R3 | 20:00 | 81 | 0:29 |
| R4 | 68:56 | 128 | 0:48 |
| R5 | 85:24 | 142 | 0:54 |
| R6 | 156:59 | 163 | 1:20 |
| R7 | 14:00 | 66 | 0:26 |
| R8 | 176:22 | 217 | 1:17 |
| R9 | 8:07 | 28 | 0:22 |

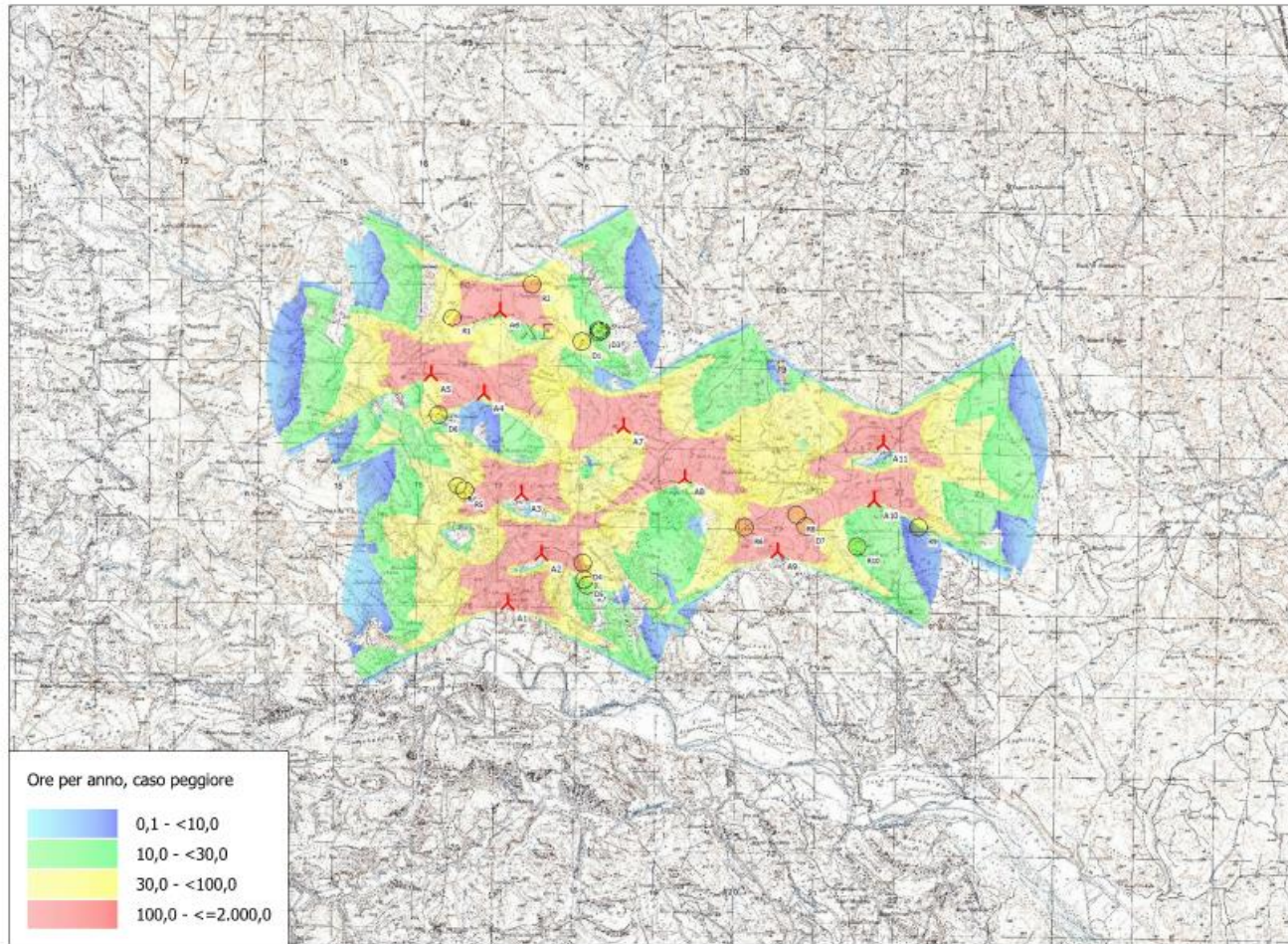
Nella seguente tabella vengono riportati i dati di ogni recettore analizzato:

| Recettore | Destinazione d'uso | Distanza da WTG | Ombreggiamento >30h/anno | Ombreggiamento >30min/giorno |
|-----------|--------------------|-----------------|--------------------------|------------------------------|
| D1 | D10 | 1000m da WTG6 | SI | SI |
| D2 | D10 | 1110m da WTG6 | NO | NO |
| D3 | D10 | 1110m da WTG6 | NO | NO |
| D4 | D10 | 520m da WTG2 | SI | SI |
| D5 | D10 | 520m da WTG2 | SI | NO |
| D6 | MASSERIA | 700m da WTG6 | SI | SI |
| D7 | FABB.RURALE | 500m da WTG9 | SI | SI |
| R1 | A4 - C02 | 580m da WTG6 | SI | SI |
| R2 | A4 | 500m da WTG6 | SI | SI |
| R3 | A3 | 1110m da WTG6 | NO | NO |
| R4 | A3 | 700m da WTG3 | SI | SI |
| R5 | A4 | 700m da WTG3 | SI | SI |
| R6 | A4 | 500m da WTG9 | SI | SI |
| R7 | A3 | 520m da WTG2 | NO | NO |
| R8 | A4 | 500m da WTG9 | SI | SI |
| R9 | A4 | 650m da WTG10 | NO | NO |
| R10 | A4 | 610m da WTG10 | NO | SI |

CARTA DELLA EVOLUZIONE DELL'OMBRA GIORNALIERA (SHADOW FLICKERING)

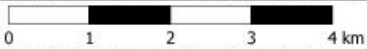


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Ore per anno, caso peggiore

| | |
|--------|-------------------|
| Blue | 0,1 - <10,0 |
| Green | 10,0 - <30,0 |
| Yellow | 30,0 - <100,0 |
| Red | 100,0 - <=2.000,0 |



Mappa: IGM maps 1:25000 , Scala di stampa 1:75.000, Centro mappa UTM (north)-WGS84 Zone: 33 Est: 618.790 Nord: 4.477.340

▲ Nuova WTG

● Recettore d'ombra

Fonte altimetria:: Height Contours: CONTOURLINE_ONLINEDATA_0.wpo (1)

Progetto:
Ferrandina

SHADOW -
Mappa
Calcolo:
SHADOW FLIKER FERRANDINA

Utente autorizzato:
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05/07/2021 10:32/3.4.415

Il recettore più esposto corrisponde al fabbricato R8 (ID 66), ubicato nel comune di Ferrandina catastalmente individuato al foglio di mappa n. 86, particella 76; coord. UTM WGS84-33T: 620664.98, 4476988.85.

Tale fabbricato classificato come categoria *A04 - Abitazioni di tipo popolare* dista 500 m circa dell'aerogeneratore più vicino WTG9.

Per tale recettore sono state calcolate 1,17 ore/giorno di ombreggiamento.

Di seguito si riporta la scheda del recettore sensibile maggiormente esposto all'effetto ombra:

| | | | | |
|--|--|------------|---|------------------------|
| ID. Ricettore: | R8 e Fabbricato rurale | | | |
| ID. Fabbricati: | 66, 65 | | | |
| DATI GENERALI | | | | |
| Denominazione | | | | |
| Ubicazione | Località: CONTRADA SERRA SAN PIETRO | | | |
| | Comune: Ferrandina | | | |
| | Provincia: Matera (MT) | | | |
| WTG più vicina | ID. WTG: 9 | | | |
| | Distanza: 500,0 m ca. | | | |
| LOCALIZZAZIONE (UTM WGS84 – Fuso 33) | EST: 620666.00 NORD: 4476984.00 | | | |
| DESCRIZIONE DELLO STATO DI FATTO | | | | |
| Caratteristica tipologica | | | | |
| <input checked="" type="checkbox"/> Edifici adibiti a residenza o assimilabili <input type="checkbox"/> Edifici adibiti ad uffici e assimilabili <input type="checkbox"/> Edifici adibiti ad alberghi, pensioni ed attività assimilabili <input type="checkbox"/> Edifici adibiti ad ospedali, cliniche, case di cura e assimilabili <input type="checkbox"/> Edifici adibiti ad attività scolastiche a tutti i livelli e assimilabili <input type="checkbox"/> Edifici adibiti ad attività ricreative o di culto o assimilabili <input type="checkbox"/> Edifici adibiti ad attività commerciali o assimilabili | | | | |
| Stato di conservazione (analisi visiva dall'esterno) | | | | |
| <input type="checkbox"/> Edificio non accessibile <input type="checkbox"/> Edificio in ottime/buone condizioni di conservazione <input checked="" type="checkbox"/> Edificio in mediocri condizioni di conservazione <input type="checkbox"/> Edificio parzialmente danneggiato (es.: presenza di leggere lesioni o danni strutturali, tali da non compromettere la stabilità complessiva della struttura/ copertura, porte e finestre presenti ma parzialmente danneggiate) <input type="checkbox"/> Edificio diroccato (es.: lesioni, danni o cedimenti strutturali diffusi e imponenti, tali da compromettere gravemente la stabilità complessiva della struttura e inibire l'accesso/ copertura assente o parzialmente-totalmente crollata/ porte e finestre completamente danneggiate e/o assenti) <input type="checkbox"/> Edificio demolito (es.: edificio segnalato su cartografia ma non rilevabile durante sopralluogo perché demolito) <input type="checkbox"/> Edificio esistente ma non abitabile (es.: edificio terminato, totalmente o parzialmente, solo nelle sue parti portanti (pilastri, travi, solai), ma privo delle opere necessarie per renderlo abitabile (muri di tamponamento, copertura, porte e finestre, allaccio alla rete elettrica, ecc.) | | | | |
| Condizioni di utilizzo | | | | |
| <input type="checkbox"/> Continua (edificio abitato in maniera permanente/ frequentato regolarmente nel tempo) <input type="checkbox"/> Discontinua (edificio frequentato in maniera discontinua e non prolungata nel tempo) <input checked="" type="checkbox"/> Assente (edificio abbandonato: nessuna traccia di frequenza antropica, anche saltuaria) | | | | |
| ESTREMI CATASTALI | | | | |
| Foglio | Part. | Sub | Indirizzo | Destinaz. d'uso |
| 86 | 76 | 1 | FERRANDINA CONTRADA SERRA SAN PIETRO, SNC Piano T | A/4 |
| 86 | 74 | | | Fabbricato rurale |
| | | | | |
| Fonti: Consultazione cartografica catastale – WMS Agenzia delle Entrate (link: https://www.agenziaentrate.gov.it/portale/it/web/guest/schede/fabbricatiterreni/consultazione-cartografia-catastale/servizio-consultazione-cartografia) | | | | |



Non ci sono strade di accesso al fabbricato da cui è possibile avere una panoramica della zona in cui sorge il fabbricato in questione. L'edificio presenta filari di alberature lungo il perimetro, questa condizione rappresenta per il fabbricato una schermatura naturale all'effetto shadow flickering valutato in precedenza, proprio perché la vegetazione alta attenua (se non annulla) l'impatto dell'ombra.

Inoltre, si precisa che l'analisi teorica dello shadow flickering non ha tenuto conto della naturale morfologia, che nell'area in esame è particolarmente frastagliata, e della vegetazione sparsa che può attenuare ulteriormente gli effetti ombra nell'intorno degli aerogeneratori.

3 CONCLUSIONE

Per quanto concerne l'effetto "flicker", quindi, valutando i risultati ottenuti in relazione al contesto antropico locale, si può ragionevolmente affermare che il fenomeno non ha particolari riflessi negativi sul territorio, dove i primi fabbricati adibiti a civile abitazioni sono in numero limitato e a distanze sempre superiori a diverse centinaia di metri, distanze oltre le quali il fenomeno di ombreggiamento è praticamente modesto, infatti la media di ombreggiamento sui ricettori è inferiore ad 1 ora/giorno.

Pur nelle ipotesi conservative assunte, la probabilità che un osservatore sia soggetto al fenomeno non è significativa, se si riportano i risultati numerici ai casi reali con le dovute attenuazioni di origine morfologica e meteorologica del territorio.

TABULATI DI CALCOLO

SHADOW - Risultato principale

Calcolo: SHADOW FLIKER FERRANDINA
Assunzioni sui calcoli d'ombra

Distanza massima di influenza
Calcola solo quando oltre il 20% del sole è coperto dalla pala
Consultare la tabella delle WTG

Altezza minima del sole sull'orizzonte 3 °
Passo giornaliero del calcolo 1 giorni
Passo temporale del calcolo 1 minuti
I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

Per evitare di considerare l' ombreggiamento da WTG in realtà non direttamente visibili, prima del calcolo dell' ombra viene eseguito un calcolo ZVI. Quest' ultimo si basa sulle seguenti assunzioni.

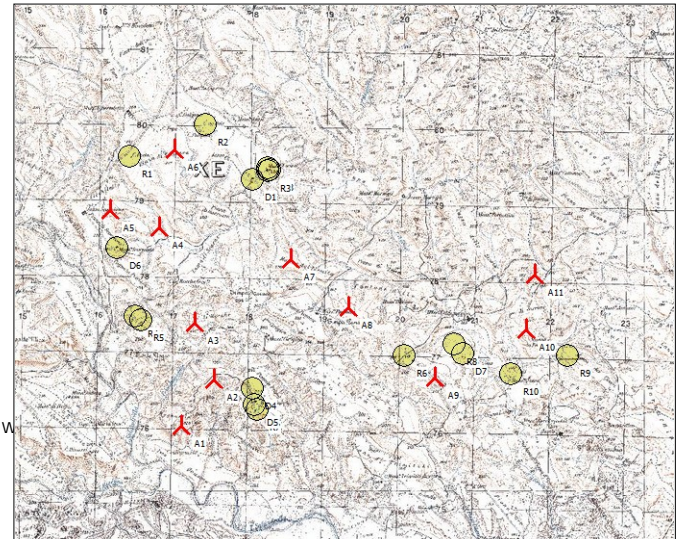
Curve altimetriche usate: Height Contours: CONTOURLINE_ONLINEDATA_0.w

Ostacoli usati:

Altezza dell'osservatore, nelle mappe:: 1,5 m
Risoluzione del grigliato: 1,0 m

Tutte le coordinate sono in
UTM (north)-WGS84 Zona: 33

WTG



Scala 1:100.000
Nuova WTG Recettore d'ombra

| | Easting | Northing | Z | Dati/Descrizione | Tipo di WTG | | Tipo generatore | Potenza nominale | Diametro rotore | Altezza mozzo | Dati di ombra | |
|-----|---------|-----------|-------|-------------------|-------------|----------------|------------------|------------------|-----------------|---------------|---------------------|------------|
| | | | | | Valida | Produttore | | | | | Distanza di calcolo | giri/min |
| | | | [m] | | | | | [kW] | [m] | [m] | [m] | [giri/min] |
| A1 | 617.073 | 4.475.842 | 210,0 | Siemens Gamesa... | Si | Siemens Gamesa | SG 6.0-170-6.200 | 6.200 | 170,0 | 115,0 | 2.041 | 8,8 |
| A10 | 621.624 | 4.477.190 | 152,8 | Siemens Gamesa... | Si | Siemens Gamesa | SG 6.0-170-6.200 | 6.200 | 170,0 | 115,0 | 2.041 | 8,8 |
| A11 | 621.730 | 4.477.911 | 160,4 | Siemens Gamesa... | Si | Siemens Gamesa | SG 6.0-170-6.200 | 6.200 | 170,0 | 115,0 | 2.041 | 8,8 |
| A2 | 617.490 | 4.476.464 | 220,0 | Siemens Gamesa... | Si | Siemens Gamesa | SG 6.0-170-6.200 | 6.200 | 170,0 | 115,0 | 2.041 | 8,8 |
| A3 | 617.226 | 4.477.204 | 215,8 | Siemens Gamesa... | Si | Siemens Gamesa | SG 6.0-170-6.200 | 6.200 | 170,0 | 115,0 | 2.041 | 8,8 |
| A4 | 616.738 | 4.478.453 | 177,6 | Siemens Gamesa... | Si | Siemens Gamesa | SG 6.0-170-6.200 | 6.200 | 170,0 | 115,0 | 2.041 | 8,8 |
| A5 | 616.076 | 4.478.679 | 230,0 | Siemens Gamesa... | Si | Siemens Gamesa | SG 6.0-170-6.200 | 6.200 | 170,0 | 115,0 | 2.041 | 8,8 |
| A6 | 616.923 | 4.479.495 | 218,0 | Siemens Gamesa... | Si | Siemens Gamesa | SG 6.0-170-6.200 | 6.200 | 170,0 | 115,0 | 2.041 | 8,8 |
| A7 | 618.483 | 4.478.071 | 213,7 | Siemens Gamesa... | Si | Siemens Gamesa | SG 6.0-170-6.200 | 6.200 | 170,0 | 115,0 | 2.041 | 8,8 |
| A8 | 619.258 | 4.477.448 | 215,0 | Siemens Gamesa... | Si | Siemens Gamesa | SG 6.0-170-6.200 | 6.200 | 170,0 | 115,0 | 2.041 | 8,8 |
| A9 | 620.430 | 4.476.540 | 240,6 | Siemens Gamesa... | Si | Siemens Gamesa | SG 6.0-170-6.200 | 6.200 | 170,0 | 115,0 | 2.041 | 8,8 |

Recettore d'ombra-Immissione dati

| n. | Easting | Northing | Z | Ampiezza | Height | Altezza s.l.t. | Inclinazione della finestra | Modo orientazione | Altezza osservatore |
|-----|---------|-----------|-------|----------|--------|----------------|-----------------------------|-------------------|---------------------|
| | | | [m] | [m] | [m] | [m] | [°] | | [m] |
| D1 | 617.957 | 4.479.112 | 224,5 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| D2 | 618.157 | 4.479.271 | 230,0 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| D3 | 618.186 | 4.479.245 | 230,0 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| D4 | 618.009 | 4.476.360 | 270,0 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| D5 | 618.031 | 4.476.146 | 270,0 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| D6 | 616.178 | 4.478.180 | 220,2 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| D7 | 620.783 | 4.476.851 | 139,5 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| R1 | 616.330 | 4.479.390 | 240,0 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| R10 | 621.430 | 4.476.607 | 120,6 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| R2 | 617.323 | 4.479.823 | 232,6 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| R3 | 618.161 | 4.479.232 | 230,0 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| R4 | 616.427 | 4.477.290 | 163,7 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| R5 | 616.514 | 4.477.229 | 168,5 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| R6 | 620.017 | 4.476.824 | 234,9 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| R7 | 618.070 | 4.476.077 | 269,2 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| R8 | 620.667 | 4.476.988 | 142,5 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |
| R9 | 622.185 | 4.476.860 | 129,2 | 2,0 | 2,0 | 0,0 | 90,0 | "Modalità serra" | 2,0 |

SHADOW - Risultato principale

Calcolo: SHADOW FLIKER FERRANDINA

Risultati dei calcoli

Recettore d'ombra

Ombra, caso peggiore

| n. | Ore d'ombra per anno [ore/anno] | Giorni con ombra per anno [giorni/anno] | Massima durata dell'ombra per giorno [ore/giorno] |
|-----|------------------------------------|---|--|
| D1 | 57:58 | 171 | 0:37 |
| D2 | 19:44 | 82 | 0:29 |
| D3 | 18:31 | 78 | 0:28 |
| D4 | 120:48 | 203 | 1:08 |
| D5 | 36:38 | 111 | 0:30 |
| D6 | 67:49 | 99 | 0:56 |
| D7 | 198:23 | 205 | 1:16 |
| R1 | 81:47 | 106 | 1:06 |
| R10 | 25:19 | 50 | 0:39 |
| R2 | 141:17 | 122 | 1:20 |
| R3 | 20:00 | 81 | 0:29 |
| R4 | 68:56 | 128 | 0:48 |
| R5 | 85:24 | 142 | 0:54 |
| R6 | 156:59 | 163 | 1:20 |
| R7 | 14:00 | 66 | 0:26 |
| R8 | 176:22 | 217 | 1:17 |
| R9 | 8:07 | 28 | 0:22 |

Ombreggiamento totale sui recettori d'ombra causato da ciascuna WTG

| n. | Nome | Caso peggiore [ore/anno] |
|-----|---|-----------------------------|
| A1 | Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (1) | 36:58 |
| A10 | Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (10) | 98:05 |
| A11 | Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (11) | 0:00 |
| A2 | Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (2) | 162:21 |
| A3 | Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (3) | 63:19 |
| A4 | Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (4) | 77:34 |
| A5 | Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (5) | 4:24 |
| A6 | Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (6) | 286:17 |
| A7 | Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (7) | 0:00 |
| A8 | Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (8) | 41:59 |
| A9 | Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (9) | 414:53 |

I tempi totali possono differire tra le tabelle per turbina e quelle per recettore, in quanto ciascuna WTG può dare ombreggiamento su 2 o più recettori contemporaneamente, e/o un recettore può subire ombreggiamento da 2 o più WTGs contemporaneamente.

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: D1 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (11)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno | | | | |
|--------------------------|---------|---------------|---------------|--------------|---------------|--------|-------|---------------|---------------|---------------|
| 1 | 07:18 | 07:05 | 16:30 (A4) | 06:30 | 17:15 (A5) | 06:40 | 05:55 | 05:27 | 19:14 (A6) | |
| | 16:38 | 17:12 | 18 16:48 (A4) | 17:45 | 9 17:24 (A5) | 19:19 | 19:50 | 20:18 | 32 19:46 (A6) | |
| 2 | 07:18 | 07:04 | 16:31 (A4) | 06:29 | 17:15 (A5) | 06:39 | 05:54 | 19:25 (A6) | 05:27 | 19:15 (A6) |
| | 16:39 | 17:13 | 19 16:50 (A4) | 17:47 | 11 17:26 (A5) | 19:20 | 19:51 | 3 19:28 (A6) | 20:19 | 31 19:46 (A6) |
| 3 | 07:18 | 07:04 | 16:32 (A4) | 06:27 | 17:14 (A5) | 06:37 | 05:53 | 19:22 (A6) | 05:26 | 19:16 (A6) |
| | 16:40 | 17:15 | 19 16:51 (A4) | 17:48 | 13 17:27 (A5) | 19:21 | 19:52 | 7 19:29 (A6) | 20:20 | 31 19:47 (A6) |
| 4 | 07:19 | 07:03 | 16:33 (A4) | 06:26 | 17:13 (A5) | 06:35 | 05:52 | 19:20 (A6) | 05:26 | 19:16 (A6) |
| | 16:41 | 17:16 | 19 16:52 (A4) | 17:49 | 14 17:27 (A5) | 19:22 | 19:53 | 10 19:30 (A6) | 20:21 | 30 19:46 (A6) |
| 5 | 07:19 | 07:01 | 16:35 (A4) | 06:24 | 17:14 (A5) | 06:34 | 05:50 | 19:18 (A6) | 05:26 | 19:17 (A6) |
| | 16:42 | 17:17 | 19 16:54 (A4) | 17:50 | 15 17:29 (A5) | 19:23 | 19:54 | 13 19:31 (A6) | 20:21 | 29 19:46 (A6) |
| 6 | 07:19 | 07:00 | 16:37 (A4) | 06:23 | 17:14 (A5) | 06:32 | 05:49 | 19:17 (A6) | 05:25 | 19:18 (A6) |
| | 16:43 | 17:18 | 16 16:53 (A4) | 17:51 | 16 17:30 (A5) | 19:24 | 19:55 | 15 19:32 (A6) | 20:22 | 28 19:46 (A6) |
| 7 | 07:18 | 06:59 | 16:40 (A4) | 06:21 | 17:15 (A5) | 06:31 | 05:48 | 19:15 (A6) | 05:25 | 19:18 (A6) |
| | 16:44 | 17:19 | 10 16:50 (A4) | 17:52 | 16 17:31 (A5) | 19:25 | 19:56 | 17 19:32 (A6) | 20:23 | 28 19:46 (A6) |
| 8 | 07:18 | 06:58 | | 06:19 | 17:16 (A5) | 06:29 | 05:47 | 19:14 (A6) | 05:25 | 19:18 (A6) |
| | 16:45 | 17:21 | | 17:53 | 14 17:30 (A5) | 19:26 | 19:57 | 19 19:33 (A6) | 20:23 | 27 19:45 (A6) |
| 9 | 07:18 | 06:57 | | 06:18 | 17:18 (A5) | 06:27 | 05:46 | 19:13 (A6) | 05:25 | 19:19 (A6) |
| | 16:46 | 17:22 | | 17:54 | 9 17:27 (A5) | 19:27 | 19:58 | 21 19:34 (A6) | 20:24 | 26 19:45 (A6) |
| 10 | 07:18 | 06:56 | | 06:16 | | 06:26 | 05:45 | 19:12 (A6) | 05:24 | 19:20 (A6) |
| | 16:47 | 17:23 | | 17:55 | | 19:28 | 19:59 | 23 19:35 (A6) | 20:24 | 25 19:45 (A6) |
| 11 | 07:18 | 06:55 | | 06:15 | | 06:24 | 05:44 | 19:12 (A6) | 05:24 | 19:20 (A6) |
| | 16:48 | 17:24 | | 17:56 | | 19:29 | 20:00 | 24 19:36 (A6) | 20:25 | 25 19:45 (A6) |
| 12 | 07:18 | 06:54 | | 06:13 | | 06:23 | 05:43 | 19:11 (A6) | 05:24 | 19:21 (A6) |
| | 16:49 | 17:26 | | 17:58 | | 19:30 | 20:01 | 26 19:37 (A6) | 20:25 | 24 19:45 (A6) |
| 13 | 07:17 | 06:52 | | 06:11 | | 06:21 | 05:42 | 19:11 (A6) | 05:24 | 19:21 (A6) |
| | 16:50 | 17:27 | | 17:59 | | 19:31 | 20:02 | 27 19:38 (A6) | 20:26 | 24 19:45 (A6) |
| 14 | 07:17 | 06:51 | | 06:10 | | 06:20 | 05:41 | 19:10 (A6) | 05:24 | 19:22 (A6) |
| | 16:51 | 17:28 | | 18:00 | | 19:32 | 20:03 | 29 19:39 (A6) | 20:26 | 22 19:44 (A6) |
| 15 | 07:17 | 06:50 | | 06:08 | | 06:18 | 05:40 | 19:10 (A6) | 05:24 | 19:22 (A6) |
| | 16:52 | 17:29 | | 18:01 | | 19:33 | 20:04 | 30 19:40 (A6) | 20:27 | 22 19:44 (A6) |
| 16 | 07:16 | 06:49 | | 06:07 | | 06:17 | 05:39 | 19:11 (A6) | 05:24 | 19:23 (A6) |
| | 16:53 | 17:30 | | 18:02 | | 19:34 | 20:05 | 30 19:41 (A6) | 20:27 | 21 19:44 (A6) |
| 17 | 07:16 | 16:28 (A4) | 06:47 | 06:05 | | 06:15 | 05:38 | 19:11 (A6) | 05:24 | 19:23 (A6) |
| | 16:54 | 2 16:30 (A4) | 17:31 | 18:03 | | 19:35 | 20:06 | 31 19:42 (A6) | 20:27 | 21 19:44 (A6) |
| 18 | 07:15 | 16:28 (A4) | 06:46 | 06:03 | | 06:14 | 05:37 | 19:10 (A6) | 05:24 | 19:23 (A6) |
| | 16:55 | 2 16:30 (A4) | 17:33 | 18:04 | | 19:36 | 20:07 | 33 19:43 (A6) | 20:28 | 21 19:44 (A6) |
| 19 | 07:15 | 16:28 (A4) | 06:45 | 06:02 | | 06:12 | 05:36 | 19:10 (A6) | 05:24 | 19:24 (A6) |
| | 16:57 | 4 16:32 (A4) | 17:34 | 18:05 | | 19:37 | 20:07 | 33 19:43 (A6) | 20:28 | 20 19:44 (A6) |
| 20 | 07:14 | 16:27 (A4) | 06:43 | 06:00 | | 06:11 | 05:35 | 19:10 (A6) | 05:24 | 19:24 (A6) |
| | 16:58 | 6 16:33 (A4) | 17:35 | 18:06 | | 19:38 | 20:08 | 34 19:44 (A6) | 20:28 | 20 19:44 (A6) |
| 21 | 07:14 | 16:27 (A4) | 06:42 | 05:58 | | 06:09 | 05:34 | 19:11 (A6) | 05:25 | 19:25 (A6) |
| | 16:59 | 7 16:34 (A4) | 17:36 | 18:07 | | 19:39 | 20:09 | 35 19:46 (A6) | 20:29 | 20 19:45 (A6) |
| 22 | 07:13 | 16:28 (A4) | 06:40 | 05:57 | | 06:08 | 05:33 | 19:11 (A6) | 05:25 | 19:25 (A6) |
| | 17:00 | 8 16:36 (A4) | 17:37 | 18:08 | | 19:40 | 20:10 | 35 19:46 (A6) | 20:29 | 20 19:45 (A6) |
| 23 | 07:13 | 16:27 (A4) | 06:39 | 05:55 | | 06:06 | 05:33 | 19:11 (A6) | 05:25 | 19:25 (A6) |
| | 17:01 | 10 16:37 (A4) | 17:39 | 18:09 | | 19:41 | 20:11 | 36 19:47 (A6) | 20:29 | 20 19:45 (A6) |
| 24 | 07:12 | 16:27 (A4) | 06:38 | 05:54 | | 06:05 | 05:32 | 19:12 (A6) | 05:25 | 19:24 (A6) |
| | 17:02 | 11 16:38 (A4) | 17:40 | 18:10 | | 19:42 | 20:12 | 36 19:48 (A6) | 20:29 | 21 19:45 (A6) |
| 25 | 07:11 | 16:27 (A4) | 06:36 | 05:52 | | 06:03 | 05:31 | 19:12 (A6) | 05:25 | 19:25 (A6) |
| | 17:04 | 12 16:39 (A4) | 17:41 | 18:11 | | 19:43 | 20:13 | 36 19:48 (A6) | 20:29 | 21 19:46 (A6) |
| 26 | 07:10 | 16:28 (A4) | 06:35 | 17:19 (A5) | 05:50 | 06:02 | 05:31 | 19:12 (A6) | 05:26 | 19:25 (A6) |
| | 17:05 | 13 16:41 (A4) | 17:42 | 2 17:21 (A5) | 18:12 | 19:44 | 20:14 | 35 19:47 (A6) | 20:29 | 21 19:46 (A6) |
| 27 | 07:10 | 16:28 (A4) | 06:33 | 17:17 (A5) | 05:49 | 06:01 | 05:30 | 19:12 (A6) | 05:26 | 19:25 (A6) |
| | 17:06 | 14 16:42 (A4) | 17:43 | 5 17:22 (A5) | 18:13 | 19:45 | 20:14 | 36 19:48 (A6) | 20:29 | 21 19:46 (A6) |
| 28 | 07:09 | 16:28 (A4) | 06:32 | 17:16 (A5) | 05:47 | 05:59 | 05:29 | 19:12 (A6) | 05:27 | 19:25 (A6) |
| | 17:07 | 15 16:43 (A4) | 17:44 | 7 17:23 (A5) | 18:14 | 19:46 | 20:15 | 35 19:47 (A6) | 20:29 | 22 19:47 (A6) |
| 29 | 07:08 | 16:29 (A4) | | 06:45 | | 05:58 | 05:29 | 19:13 (A6) | 05:27 | 19:25 (A6) |
| | 17:08 | 15 16:44 (A4) | | 19:15 | | 19:48 | 20:16 | 35 19:48 (A6) | 20:29 | 23 19:48 (A6) |
| 30 | 07:07 | 16:29 (A4) | | 06:44 | | 05:57 | 05:28 | 19:13 (A6) | 05:27 | 19:25 (A6) |
| | 17:10 | 17 16:46 (A4) | | 19:16 | | 19:49 | 20:17 | 34 19:47 (A6) | 20:29 | 24 19:49 (A6) |
| 31 | 07:06 | 16:30 (A4) | | 06:42 | | | 05:28 | 19:14 (A6) | | |
| | 17:11 | 17 16:47 (A4) | | 19:18 | | | 20:18 | 33 19:47 (A6) | | |
| Ore potenziali eliofanìa | 299 | | 298 | 370 | | 398 | 447 | | 450 | 720 |
| Totale, caso peggiore | 153 | | 134 | 117 | | | | 811 | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: D1 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (11)
Assunzioni sui calcoli d'ombra

- I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
- Il sole splende tutto il di, dall'alba al tramonto
- Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
- La turbina è costantemente operativa

| | Luglio | | Agosto | | Settembre | | Ottobre | | Novembre | | Dicembre | | |
|--------------------------|--------|----|------------|-------|------------|-------|---------|-----|------------|-------|------------|------------|-------|
| 1 | 05:28 | | 19:24 (A6) | 05:51 | 19:22 (A6) | 06:21 | 06:50 | | | 06:24 | | 06:58 | |
| | 20:29 | 25 | 19:49 (A6) | 20:11 | 19:47 (A6) | 19:29 | 18:39 | | | 16:53 | | 16:29 | |
| 2 | 05:28 | | 19:25 (A6) | 05:52 | 19:23 (A6) | 06:22 | 06:51 | | | 06:25 | | 06:59 | |
| | 20:29 | 25 | 19:50 (A6) | 20:10 | 19:46 (A6) | 19:27 | 18:37 | | | 16:52 | | 16:29 | |
| 3 | 05:29 | | 19:24 (A6) | 05:53 | 19:23 (A6) | 06:23 | 06:52 | | | 06:26 | | 07:00 | |
| | 20:29 | 26 | 19:50 (A6) | 20:09 | 19:45 (A6) | 19:25 | 18:36 | | | 16:51 | | 16:29 | |
| 4 | 05:29 | | 19:24 (A6) | 05:54 | 19:24 (A6) | 06:24 | 06:53 | | 17:58 (A5) | 06:27 | 16:09 (A4) | 07:01 | |
| | 20:29 | 27 | 19:51 (A6) | 20:08 | 19:44 (A6) | 19:24 | 18:34 | 4 | 18:02 (A5) | 16:49 | 12 | 16:21 (A4) | 16:29 |
| 5 | 05:30 | | 19:24 (A6) | 05:55 | 19:25 (A6) | 06:25 | 06:54 | | 17:54 (A5) | 06:28 | | 16:06 (A4) | 07:02 |
| | 20:29 | 27 | 19:51 (A6) | 20:06 | 19:43 (A6) | 19:22 | 18:32 | 11 | 18:05 (A5) | 16:48 | 17 | 16:23 (A4) | 16:28 |
| 6 | 05:30 | | 19:24 (A6) | 05:56 | 19:26 (A6) | 06:26 | 06:55 | | 17:52 (A5) | 06:30 | | 16:05 (A4) | 07:03 |
| | 20:28 | 28 | 19:52 (A6) | 20:05 | 19:42 (A6) | 19:20 | 18:31 | 15 | 18:07 (A5) | 16:47 | 18 | 16:23 (A4) | 16:28 |
| 7 | 05:31 | | 19:23 (A6) | 05:57 | 19:27 (A6) | 06:27 | 06:56 | | 17:50 (A5) | 06:31 | | 16:03 (A4) | 07:04 |
| | 20:28 | 29 | 19:52 (A6) | 20:04 | 19:41 (A6) | 19:19 | 18:29 | 16 | 18:06 (A5) | 16:46 | 19 | 16:22 (A4) | 16:28 |
| 8 | 05:32 | | 19:23 (A6) | 05:58 | 19:28 (A6) | 06:28 | 06:57 | | 17:49 (A5) | 06:32 | | 16:03 (A4) | 07:05 |
| | 20:28 | 30 | 19:53 (A6) | 20:03 | 19:40 (A6) | 19:17 | 18:27 | 15 | 18:04 (A5) | 16:45 | 19 | 16:22 (A4) | 16:28 |
| 9 | 05:32 | | 19:23 (A6) | 05:59 | 19:29 (A6) | 06:29 | 06:59 | | 17:48 (A5) | 06:33 | | 16:02 (A4) | 07:06 |
| | 20:27 | 31 | 19:54 (A6) | 20:02 | 19:38 (A6) | 19:16 | 18:26 | 15 | 18:03 (A5) | 16:44 | 18 | 16:20 (A4) | 16:28 |
| 10 | 05:33 | | 19:23 (A6) | 06:00 | 19:31 (A6) | 06:30 | 07:00 | | 17:49 (A5) | 06:34 | | 16:01 (A4) | 07:06 |
| | 20:27 | 31 | 19:54 (A6) | 20:00 | 19:37 (A6) | 19:14 | 18:24 | 13 | 18:02 (A5) | 16:43 | 18 | 16:19 (A4) | 16:28 |
| 11 | 05:34 | | 19:23 (A6) | 06:01 | 19:35 (A6) | 06:31 | 07:01 | | 17:48 (A5) | 06:35 | | 16:02 (A4) | 07:07 |
| | 20:27 | 31 | 19:54 (A6) | 19:59 | 19:36 (A6) | 19:12 | 18:23 | 12 | 18:00 (A5) | 16:42 | 17 | 16:19 (A4) | 16:28 |
| 12 | 05:34 | | 19:23 (A6) | 06:02 | | 06:32 | 07:02 | | 17:48 (A5) | 06:37 | | 16:01 (A4) | 07:08 |
| | 20:26 | 32 | 19:55 (A6) | 19:58 | | 19:11 | 18:21 | 11 | 17:59 (A5) | 16:41 | 17 | 16:18 (A4) | 16:28 |
| 13 | 05:35 | | 19:22 (A6) | 06:03 | | 06:33 | 07:03 | | 17:48 (A5) | 06:38 | | 16:01 (A4) | 07:09 |
| | 20:26 | 33 | 19:55 (A6) | 19:56 | | 19:09 | 18:20 | 9 | 17:57 (A5) | 16:40 | 15 | 16:16 (A4) | 16:29 |
| 14 | 05:36 | | 19:22 (A6) | 06:04 | | 06:34 | 07:04 | | 17:49 (A5) | 06:39 | | 16:00 (A4) | 07:10 |
| | 20:25 | 34 | 19:56 (A6) | 19:55 | | 19:07 | 18:18 | 6 | 17:55 (A5) | 16:39 | 15 | 16:15 (A4) | 16:29 |
| 15 | 05:37 | | 19:22 (A6) | 06:05 | | 06:35 | 07:05 | | 17:49 (A5) | 06:40 | | 16:01 (A4) | 07:10 |
| | 20:25 | 34 | 19:56 (A6) | 19:54 | | 19:06 | 18:16 | 5 | 17:54 (A5) | 16:38 | 14 | 16:15 (A4) | 16:29 |
| 16 | 05:37 | | 19:22 (A6) | 06:06 | | 06:36 | 07:06 | | 17:51 (A5) | 06:41 | | 16:01 (A4) | 07:11 |
| | 20:24 | 35 | 19:57 (A6) | 19:52 | | 19:04 | 18:15 | 1 | 17:52 (A5) | 16:38 | 13 | 16:14 (A4) | 16:29 |
| 17 | 05:38 | | 19:21 (A6) | 06:07 | | 06:37 | 07:07 | | | 06:42 | | 16:01 (A4) | 07:12 |
| | 20:23 | 36 | 19:57 (A6) | 19:51 | | 19:02 | 18:13 | | | 16:37 | 12 | 16:13 (A4) | 16:30 |
| 18 | 05:39 | | 19:21 (A6) | 06:08 | | 06:38 | 07:08 | | | 06:44 | | 16:01 (A4) | 07:12 |
| | 20:23 | 36 | 19:57 (A6) | 19:50 | | 19:01 | 18:12 | | | 16:36 | 11 | 16:12 (A4) | 16:30 |
| 19 | 05:40 | | 19:21 (A6) | 06:09 | | 06:39 | 07:09 | | | 06:45 | | 16:01 (A4) | 07:13 |
| | 20:22 | 37 | 19:58 (A6) | 19:48 | | 18:59 | 18:11 | | | 16:35 | 10 | 16:11 (A4) | 16:30 |
| 20 | 05:41 | | 19:21 (A6) | 06:10 | | 06:40 | 07:10 | | | 06:46 | | 16:03 (A4) | 07:14 |
| | 20:21 | 36 | 19:57 (A6) | 19:47 | | 18:57 | 18:09 | | | 16:35 | 8 | 16:11 (A4) | 16:31 |
| 21 | 05:41 | | 19:21 (A6) | 06:11 | | 06:40 | 07:11 | | | 06:47 | | 16:03 (A4) | 07:14 |
| | 20:21 | 36 | 19:57 (A6) | 19:45 | | 18:55 | 18:08 | | | 16:34 | 7 | 16:10 (A4) | 16:31 |
| 22 | 05:42 | | 19:20 (A6) | 06:12 | | 06:41 | 07:12 | | | 06:48 | | 16:03 (A4) | 07:15 |
| | 20:20 | 35 | 19:55 (A6) | 19:44 | | 18:54 | 18:06 | | | 16:33 | 6 | 16:09 (A4) | 16:32 |
| 23 | 05:43 | | 19:21 (A6) | 06:12 | | 06:42 | 07:14 | | | 06:49 | | 16:04 (A4) | 07:15 |
| | 20:19 | 34 | 19:55 (A6) | 19:42 | | 18:52 | 18:05 | | | 16:33 | 4 | 16:08 (A4) | 16:32 |
| 24 | 05:44 | | 19:21 (A6) | 06:13 | | 06:43 | 07:15 | | | 06:50 | | 16:05 (A4) | 07:16 |
| | 20:18 | 33 | 19:54 (A6) | 19:41 | | 18:50 | 18:03 | | | 16:32 | 2 | 16:07 (A4) | 16:33 |
| 25 | 05:45 | | 19:21 (A6) | 06:14 | | 06:44 | 06:16 | | | 06:51 | | 16:06 (A4) | 07:16 |
| | 20:18 | 33 | 19:54 (A6) | 19:39 | | 18:49 | 17:02 | | | 16:32 | 2 | 16:08 (A4) | 16:33 |
| 26 | 05:46 | | 19:21 (A6) | 06:15 | | 06:45 | 06:17 | | | 06:53 | | | 07:17 |
| | 20:17 | 32 | 19:53 (A6) | 19:38 | | 18:47 | 17:01 | | | 16:31 | | | 16:34 |
| 27 | 05:47 | | 19:21 (A6) | 06:16 | | 06:46 | 06:18 | | | 06:54 | | | 07:17 |
| | 20:16 | 31 | 19:52 (A6) | 19:36 | | 18:45 | 16:59 | | | 16:31 | | | 16:34 |
| 28 | 05:48 | | 19:22 (A6) | 06:17 | | 06:47 | 06:19 | | | 06:55 | | | 07:17 |
| | 20:15 | 30 | 19:52 (A6) | 19:35 | | 18:44 | 16:58 | | | 16:30 | | | 16:35 |
| 29 | 05:48 | | 19:21 (A6) | 06:18 | | 06:48 | 06:20 | | | 06:56 | | | 07:17 |
| | 20:14 | 29 | 19:50 (A6) | 19:33 | | 18:42 | 16:57 | | | 16:30 | | | 16:36 |
| 30 | 05:49 | | 19:21 (A6) | 06:19 | | 06:49 | 06:21 | | | 06:57 | | | 07:18 |
| | 20:13 | 28 | 19:49 (A6) | 19:32 | | 18:40 | 16:55 | | | 16:30 | | | 16:37 |
| 31 | 05:50 | | 19:22 (A6) | 06:20 | | | 06:23 | | | | | | 07:18 |
| | 20:12 | 26 | 19:48 (A6) | 19:30 | | | 16:54 | | | | | | 16:37 |
| Ore potenziali eliofanìa | 457 | | 427 | | 375 | 346 | | 299 | | 274 | | 290 | |
| Totale, caso peggiore | 970 | | 166 | | 133 | | 274 | | 290 | | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: D2 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (12)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno |
|--------------------------|----------------|--------------------------------|----------------|----------------|--------------------------|--------------------------|
| 1 | 07:18 16:38 | 07:05 17:12 | 06:30 17:45 | 06:40 19:19 | 05:55 19:50 | 18:59 (A6) 20:18 |
| 2 | 07:18 16:39 | 07:04 17:13 | 06:29 17:47 | 06:39 19:20 | 05:54 19:51 | 19:02 (A6) 20:19 |
| 3 | 07:18 16:40 | 07:03 17:15 | 06:27 17:48 | 06:37 19:21 | 05:53 19:52 | 19:09 (A6) 20:20 |
| 4 | 07:19 16:41 | 07:02 17:16 | 06:26 17:49 | 06:35 19:22 | 05:52 19:53 | 20:21 |
| 5 | 07:19 16:42 | 07:01 17:17 | 06:24 17:50 | 06:34 19:23 | 05:50 19:54 | 20:21 |
| 6 | 07:19 16:43 | 07:00 17:18 | 06:23 17:51 | 06:32 19:24 | 05:49 19:55 | 20:22 |
| 7 | 07:18 16:44 | 06:59 17:19 | 06:21 17:52 | 06:31 19:25 | 05:48 19:56 | 20:23 |
| 8 | 07:18 16:45 | 06:58 17:21 | 06:19 17:53 | 06:29 19:26 | 05:47 19:57 | 20:23 |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | 06:27 19:27 | 05:46 19:58 | 20:24 |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | 06:26 19:28 | 19:04 (A6) 19:59 | 05:45 20:24 |
| 11 | 07:18 16:48 | 06:55 17:24 | 06:15 17:56 | 06:24 19:29 | 19:01 (A6) 19:08 (A6) | 05:44 20:00 |
| 12 | 07:18 16:49 | 06:54 17:25 | 06:13 17:58 | 06:23 19:30 | 18:59 (A6) 19:08 (A6) | 05:43 20:01 |
| 13 | 07:17 16:50 | 06:52 17:27 | 06:11 17:59 | 06:21 19:31 | 18:58 (A6) 19:10 (A6) | 05:41 20:02 |
| 14 | 07:17 16:51 | 16:24 (A4) 16:26 (A4) | 06:51 17:28 | 06:10 18:00 | 06:20 19:32 | 18:56 (A6) 19:10 (A6) |
| 15 | 07:17 16:52 | 2 16:25 (A4) 2 16:27 (A4) | 06:50 17:29 | 06:08 18:01 | 06:18 19:33 | 18:55 (A6) 19:12 (A6) |
| 16 | 07:16 16:53 | 16:24 (A4) 16:28 (A4) | 06:49 17:30 | 06:07 18:02 | 06:17 19:34 | 18:54 (A6) 19:12 (A6) |
| 17 | 07:16 16:54 | 4 16:25 (A4) 5 16:30 (A4) | 06:47 17:31 | 06:05 18:03 | 06:15 19:35 | 18:54 (A6) 19:14 (A6) |
| 18 | 07:15 16:55 | 5 16:25 (A4) 5 16:30 (A4) | 06:46 17:33 | 06:03 18:04 | 06:14 19:36 | 18:53 (A6) 19:14 (A6) |
| 19 | 07:15 16:57 | 6 16:26 (A4) 6 16:32 (A4) | 06:45 17:34 | 06:02 18:05 | 06:12 19:37 | 18:53 (A6) 19:16 (A6) |
| 20 | 07:14 16:58 | 7 16:26 (A4) 7 16:33 (A4) | 06:43 17:35 | 06:00 18:06 | 06:11 19:38 | 18:52 (A6) 19:16 (A6) |
| 21 | 07:14 16:59 | 8 16:26 (A4) 8 16:34 (A4) | 06:42 17:36 | 05:58 18:07 | 06:09 19:39 | 18:52 (A6) 19:17 (A6) |
| 22 | 07:13 17:00 | 9 16:27 (A4) 9 16:36 (A4) | 06:40 17:37 | 05:57 18:08 | 06:08 19:40 | 18:51 (A6) 19:18 (A6) |
| 23 | 07:13 17:01 | 10 16:27 (A4) 10 16:37 (A4) | 06:39 17:39 | 05:55 18:09 | 06:06 19:41 | 18:52 (A6) 19:19 (A6) |
| 24 | 07:12 17:02 | 11 16:27 (A4) 11 16:38 (A4) | 06:38 17:40 | 05:53 18:10 | 06:05 19:42 | 18:52 (A6) 19:20 (A6) |
| 25 | 07:11 17:04 | 12 16:28 (A4) 12 16:39 (A4) | 06:36 17:41 | 05:52 18:11 | 06:03 19:43 | 18:52 (A6) 19:21 (A6) |
| 26 | 07:10 17:05 | 13 16:29 (A4) 13 16:41 (A4) | 06:35 17:42 | 05:50 18:12 | 06:02 19:44 | 18:53 (A6) 19:21 (A6) |
| 27 | 07:10 17:06 | 14 16:30 (A4) 14 16:42 (A4) | 06:33 17:43 | 05:49 18:13 | 06:01 19:45 | 18:54 (A6) 19:20 (A6) |
| 28 | 07:09 17:07 | 15 16:31 (A4) 15 16:43 (A4) | 06:32 17:44 | 05:47 18:14 | 05:59 19:46 | 18:54 (A6) 19:18 (A6) |
| 29 | 07:08 17:08 | 16 16:32 (A4) 16 16:44 (A4) | 06:31 17:45 | 05:46 18:15 | 05:58 19:47 | 18:56 (A6) 19:17 (A6) |
| 30 | 07:07 17:10 | 17 16:34 (A4) 17 16:46 (A4) | 06:30 17:46 | 05:45 18:16 | 05:57 19:48 | 18:57 (A6) 19:15 (A6) |
| 31 | 07:06 17:11 | 18 16:36 (A4) 18 16:46 (A4) | 06:29 17:47 | 05:44 18:17 | 05:56 19:49 | 18:58 (A6) 19:16 (A6) |
| Ore potenziali eliofanìa | 299 | | 298 | 370 | 398 | 447 |
| Totale, caso peggiore | 150 | | | 420 | | 20 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: D2 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (12)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre | | | |
|--------------------------|--------|--------|---------------|--------------|----------|----------|---------------|-------|-----|
| 1 | 05:28 | 05:51 | 06:21 | 19:00 (A6) | 06:50 | 06:24 | 06:58 | | |
| | 20:29 | 20:11 | 19:28 | 7 19:07 (A6) | 18:39 | 16:53 | 16:29 | | |
| 2 | 05:28 | 05:52 | 06:22 | 19:03 (A6) | 06:51 | 06:25 | 06:59 | | |
| | 20:29 | 20:10 | 19:27 | 2 19:05 (A6) | 18:37 | 16:52 | 16:29 | | |
| 3 | 05:29 | 05:53 | 06:23 | | 06:52 | 06:26 | 07:00 | | |
| | 20:29 | 20:09 | 19:25 | | 18:35 | 16:51 | 16:29 | | |
| 4 | 05:29 | 05:54 | 06:24 | | 06:53 | 06:27 | 07:01 | | |
| | 20:29 | 20:08 | 19:24 | | 18:34 | 16:49 | 16:29 | | |
| 5 | 05:30 | 05:55 | 06:25 | | 06:54 | 06:28 | 07:02 | | |
| | 20:29 | 20:06 | 19:22 | | 18:32 | 16:48 | 16:28 | | |
| 6 | 05:30 | 05:56 | 06:26 | | 06:55 | 06:30 | 07:03 | | |
| | 20:28 | 20:05 | 19:20 | | 18:31 | 16:47 | 16:28 | | |
| 7 | 05:31 | 05:57 | 06:27 | | 06:56 | 06:31 | 07:04 | | |
| | 20:28 | 20:04 | 19:19 | | 18:29 | 16:46 | 16:28 | | |
| 8 | 05:32 | 05:58 | 06:28 | | 06:57 | 06:32 | 07:05 | | |
| | 20:28 | 20:03 | 19:17 | | 18:27 | 16:45 | 16:28 | | |
| 9 | 05:32 | 05:59 | 06:29 | | 06:58 | 06:33 | 07:06 | | |
| | 20:27 | 20:02 | 19:16 | | 18:26 | 16:44 | 16:28 | | |
| 10 | 05:33 | 06:00 | 06:30 | | 07:00 | 06:34 | 07:06 | | |
| | 20:27 | 20:00 | 19:14 | | 18:24 | 16:43 | 16:28 | | |
| 11 | 05:34 | 06:01 | 19:10 (A6) | 06:31 | 07:01 | 06:35 | 16:08 (A4) | 07:07 | |
| | 20:27 | 19:59 | 9 19:19 (A6) | 19:12 | 18:23 | 16:42 | 10 16:18 (A4) | 16:28 | |
| 12 | 05:34 | 06:02 | 19:07 (A6) | 06:32 | 07:02 | 06:37 | 16:06 (A4) | 07:08 | |
| | 20:26 | 19:58 | 15 19:22 (A6) | 19:11 | 18:21 | 16:41 | 12 16:18 (A4) | 16:28 | |
| 13 | 05:35 | 06:03 | 19:05 (A6) | 06:33 | 07:03 | 06:38 | 16:04 (A4) | 07:09 | |
| | 20:26 | 19:56 | 19 19:24 (A6) | 19:09 | 18:20 | 16:40 | 12 16:16 (A4) | 16:29 | |
| 14 | 05:36 | 06:04 | 19:03 (A6) | 06:34 | 07:04 | 06:39 | 16:03 (A4) | 07:10 | |
| | 20:25 | 19:55 | 22 19:25 (A6) | 19:07 | 18:18 | 16:39 | 12 16:15 (A4) | 16:29 | |
| 15 | 05:37 | 06:05 | 19:02 (A6) | 06:35 | 07:05 | 06:40 | 16:02 (A4) | 07:10 | |
| | 20:25 | 19:54 | 24 19:26 (A6) | 19:06 | 18:16 | 16:38 | 12 16:14 (A4) | 16:29 | |
| 16 | 05:37 | 06:06 | 19:01 (A6) | 06:36 | 07:06 | 06:41 | 16:02 (A4) | 07:11 | |
| | 20:24 | 19:52 | 26 19:27 (A6) | 19:04 | 18:15 | 16:38 | 12 16:14 (A4) | 16:29 | |
| 17 | 05:38 | 06:07 | 19:00 (A6) | 06:37 | 07:07 | 06:42 | 16:02 (A4) | 07:12 | |
| | 20:23 | 19:51 | 28 19:28 (A6) | 19:02 | 18:13 | 16:37 | 11 16:13 (A4) | 16:30 | |
| 18 | 05:39 | 06:08 | 18:59 (A6) | 06:38 | 07:08 | 06:44 | 16:01 (A4) | 07:12 | |
| | 20:23 | 19:50 | 28 19:27 (A6) | 19:00 | 18:12 | 16:36 | 11 16:12 (A4) | 16:30 | |
| 19 | 05:40 | 06:09 | 18:58 (A6) | 06:39 | 07:09 | 06:45 | 16:01 (A4) | 07:13 | |
| | 20:22 | 19:48 | 28 19:26 (A6) | 18:59 | 18:10 | 16:35 | 10 16:11 (A4) | 16:30 | |
| 20 | 05:41 | 06:10 | 18:58 (A6) | 06:40 | 07:10 | 06:46 | 16:02 (A4) | 07:14 | |
| | 20:21 | 19:47 | 27 19:25 (A6) | 18:57 | 18:09 | 16:35 | 9 16:11 (A4) | 16:31 | |
| 21 | 05:41 | 06:11 | 18:57 (A6) | 06:40 | 07:11 | 06:47 | 16:02 (A4) | 07:14 | |
| | 20:21 | 19:45 | 26 19:23 (A6) | 18:55 | 18:08 | 16:34 | 8 16:10 (A4) | 16:31 | |
| 22 | 05:42 | 06:11 | 18:57 (A6) | 06:41 | 07:12 | 06:48 | 16:02 (A4) | 07:15 | |
| | 20:20 | 19:44 | 25 19:22 (A6) | 18:54 | 18:06 | 16:33 | 7 16:09 (A4) | 16:32 | |
| 23 | 05:43 | 06:12 | 18:56 (A6) | 06:42 | 07:13 | 06:49 | 16:02 (A4) | 07:15 | |
| | 20:19 | 19:42 | 24 19:20 (A6) | 18:52 | 18:05 | 16:33 | 6 16:08 (A4) | 16:32 | |
| 24 | 05:44 | 06:13 | 18:55 (A6) | 06:43 | 07:15 | 06:50 | 16:02 (A4) | 07:16 | |
| | 20:18 | 19:41 | 23 19:18 (A6) | 18:50 | 18:03 | 16:32 | 5 16:07 (A4) | 16:33 | |
| 25 | 05:45 | 06:14 | 18:55 (A6) | 06:44 | 06:16 | 06:51 | 16:03 (A4) | 07:16 | |
| | 20:18 | 19:39 | 22 19:17 (A6) | 18:49 | 17:02 | 16:32 | 5 16:08 (A4) | 16:33 | |
| 26 | 05:46 | 06:15 | 18:56 (A6) | 06:45 | 06:17 | 06:53 | 16:03 (A4) | 07:17 | |
| | 20:17 | 19:38 | 19 19:15 (A6) | 18:47 | 17:01 | 16:31 | 4 16:07 (A4) | 16:34 | |
| 27 | 05:47 | 06:16 | 18:56 (A6) | 06:46 | 06:18 | 06:54 | 16:04 (A4) | 07:17 | |
| | 20:16 | 19:36 | 18 19:14 (A6) | 18:45 | 16:59 | 16:31 | 2 16:06 (A4) | 16:34 | |
| 28 | 05:48 | 06:17 | 18:56 (A6) | 06:47 | 06:19 | 06:55 | 16:04 (A4) | 07:17 | |
| | 20:15 | 19:35 | 17 19:13 (A6) | 18:44 | 16:58 | 16:30 | 2 16:06 (A4) | 16:35 | |
| 29 | 05:48 | 06:18 | 18:57 (A6) | 06:48 | 06:20 | 06:56 | | 07:17 | |
| | 20:14 | 19:33 | 14 19:11 (A6) | 18:42 | 16:57 | 16:30 | | 16:36 | |
| 30 | 05:49 | 06:19 | 18:58 (A6) | 06:49 | 06:21 | 06:57 | | 07:18 | |
| | 20:13 | 19:32 | 12 19:10 (A6) | 18:40 | 16:55 | 16:30 | | 16:37 | |
| 31 | 05:50 | 06:20 | 18:59 (A6) | | 06:23 | | | 07:18 | |
| | 20:12 | 19:30 | 9 19:08 (A6) | | 16:54 | | | 16:37 | |
| Ore potenziali eliofanìa | 457 | 427 | | 375 | | 346 | 299 | 150 | 290 |
| Totale, caso peggiore | | | 435 | 9 | | | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: D3 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (13)
Assunzioni sui calcoli d'ombra

- I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
- Il sole splende tutto il di, dall'alba al tramonto
- Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
- La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno |
|--------------------------|----------------|--------------------------|--------------------------|----------------|----------------|--------------------------|
| 1 | 07:18 16:38 | 07:05 17:12 | 16:36 (A4) 16:48 (A4) | 06:30 17:45 | 06:40 19:19 | 05:55 19:50 |
| 2 | 07:18 16:39 | 07:04 17:13 | 16:38 (A4) 16:50 (A4) | 06:29 17:47 | 06:39 19:20 | 19:18 (A6) 19:00 (A6) |
| 3 | 07:18 16:40 | 07:03 17:15 | 16:40 (A4) 16:50 (A4) | 06:27 17:48 | 06:37 19:21 | 19:17 (A6) 19:02 (A6) |
| 4 | 07:19 16:41 | 07:02 17:16 | | 06:26 17:49 | 06:35 19:22 | 19:14 (A6) 19:08 (A6) |
| 5 | 07:19 16:42 | 07:01 17:17 | | 06:24 17:50 | 06:34 19:23 | 19:09 (A6) 19:54 |
| 6 | 07:19 16:43 | 07:00 17:18 | | 06:23 17:51 | 06:32 19:24 | 05:49 19:55 |
| 7 | 07:18 16:44 | 06:59 17:19 | | 06:21 17:52 | 06:31 19:25 | 05:48 19:56 |
| 8 | 07:18 16:45 | 06:58 17:21 | | 06:19 17:53 | 06:29 19:26 | 05:47 19:57 |
| 9 | 07:18 16:46 | 06:57 17:22 | | 06:18 17:54 | 06:27 19:27 | 05:46 19:58 |
| 10 | 07:18 16:47 | 06:56 17:23 | | 06:16 17:55 | 06:26 19:28 | 05:45 19:59 |
| 11 | 07:18 16:48 | 06:55 17:24 | | 06:15 17:56 | 06:24 19:29 | 05:44 20:00 |
| 12 | 07:18 16:49 | 06:54 17:25 | | 06:13 17:58 | 06:23 19:30 | 19:06 (A6) 19:08 (A6) |
| 13 | 07:17 16:50 | 06:52 17:27 | | 06:11 17:59 | 06:21 19:31 | 05:43 19:04 (A6) |
| 14 | 07:17 16:51 | 06:51 17:28 | | 06:10 18:00 | 06:20 19:32 | 20:01 19:10 (A6) |
| 15 | 07:17 16:52 | 06:50 17:29 | | 06:08 18:01 | 06:18 19:33 | 6 19:01 (A6) |
| 16 | 07:16 16:53 | 06:49 17:30 | | 06:07 18:02 | 06:17 19:34 | 9 19:10 (A6) |
| 17 | 07:16 16:54 | 06:47 17:31 | | 06:05 18:03 | 06:15 19:35 | 12 19:10 (A6) |
| 18 | 07:15 16:55 | 06:46 17:33 | | 06:03 18:04 | 06:14 19:36 | 14 18:58 (A6) |
| 19 | 07:15 16:57 | 16:30 (A4) 16:32 (A4) | 06:45 17:34 | 06:02 18:05 | 06:12 19:37 | 16 18:58 (A6) |
| 20 | 07:14 16:58 | 16:30 (A4) 16:33 (A4) | 06:43 17:35 | 06:00 18:06 | 06:11 19:38 | 18 18:56 (A6) |
| 21 | 07:14 16:59 | 16:30 (A4) 16:34 (A4) | 06:42 17:36 | 05:58 18:07 | 06:09 19:39 | 20 18:55 (A6) |
| 22 | 07:13 17:00 | 16:31 (A4) 16:36 (A4) | 06:40 17:37 | 05:57 18:08 | 06:08 19:40 | 22 18:54 (A6) |
| 23 | 07:13 17:01 | 16:30 (A4) 16:37 (A4) | 06:39 17:39 | 05:55 18:09 | 06:06 19:41 | 24 18:55 (A6) |
| 24 | 07:12 17:02 | 16:30 (A4) 16:38 (A4) | 06:38 17:40 | 05:53 18:10 | 06:05 19:42 | 26 18:55 (A6) |
| 25 | 07:11 17:04 | 16:31 (A4) 16:39 (A4) | 06:36 17:41 | 05:52 18:11 | 06:03 19:43 | 28 18:54 (A6) |
| 26 | 07:10 17:05 | 16:32 (A4) 16:41 (A4) | 06:35 17:42 | 05:50 18:12 | 06:02 19:44 | 30 18:55 (A6) |
| 27 | 07:10 17:06 | 16:32 (A4) 16:42 (A4) | 06:33 17:43 | 05:49 18:13 | 06:01 19:45 | 32 18:56 (A6) |
| 28 | 07:09 17:07 | 16:33 (A4) 16:43 (A4) | 06:32 17:44 | 05:47 18:14 | 05:59 19:46 | 34 18:56 (A6) |
| 29 | 07:08 17:08 | 16:33 (A4) 16:44 (A4) | | 06:45 19:15 | 05:58 19:48 | 36 18:57 (A6) |
| 30 | 07:07 17:10 | 16:34 (A4) 16:46 (A4) | | 06:44 19:16 | 05:57 19:49 | 38 18:58 (A6) |
| 31 | 07:06 17:11 | 16:35 (A4) 16:47 (A4) | | 06:42 19:18 | | 40 19:20 (A6) |
| Ore potenziali eliofanìa | 299 | 298 | 370 | 398 | 447 | 450 |
| Totale, caso peggiore | 101 | 34 | 366 | 50 | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: D3 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (13)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre | |
|--------------------------|----------------|----------------|--------------------------|----------------|----------------|---------------------|---------------------|
| 1 | 05:28 20:29 | 05:51 20:11 | 06:21 19:28 | 06:50 18:39 | 06:24 16:53 | 06:58 16:29 | |
| 2 | 05:28 20:29 | 05:52 20:10 | 06:22 19:27 | 06:51 18:37 | 06:25 16:52 | 06:59 16:29 | |
| 3 | 05:29 20:29 | 05:53 20:09 | 06:23 19:25 | 06:52 18:35 | 06:26 16:51 | 07:00 16:29 | |
| 4 | 05:29 20:29 | 05:54 20:08 | 06:24 19:24 | 06:53 18:34 | 06:27 16:49 | 07:01 16:29 | |
| 5 | 05:30 20:29 | 05:55 20:06 | 06:25 19:22 | 06:54 18:32 | 06:28 16:48 | 07:02 16:28 | |
| 6 | 05:30 20:28 | 05:56 20:05 | 06:26 19:20 | 06:55 18:31 | 06:30 16:47 | 07:03 16:28 | |
| 7 | 05:31 20:28 | 05:57 20:04 | 06:27 19:19 | 06:56 18:29 | 06:31 16:46 | 07:04 16:28 | |
| 8 | 05:32 20:28 | 05:58 20:03 | 06:28 19:17 | 06:57 18:27 | 06:32 16:45 | 16:11 (A4) 16:28 | |
| 9 | 05:32 20:27 | 05:59 20:02 | 19:14 (A6) 19:21 (A6) | 06:29 19:16 | 06:58 18:26 | 10 11 | 16:21 (A4) 16:28 |
| 10 | 05:33 20:27 | 06:00 20:00 | 19:10 (A6) 19:24 (A6) | 06:30 19:14 | 07:00 18:24 | 12 | 16:07 (A4) 16:28 |
| 11 | 05:34 20:27 | 06:01 19:59 | 19:08 (A6) 19:26 (A6) | 06:31 19:12 | 07:01 18:23 | 12 | 16:07 (A4) 16:28 |
| 12 | 05:34 20:26 | 06:02 19:58 | 19:07 (A6) 19:27 (A6) | 06:32 19:11 | 07:02 18:21 | 12 | 16:06 (A4) 16:28 |
| 13 | 05:35 20:26 | 06:03 19:56 | 19:05 (A6) 19:28 (A6) | 06:33 19:09 | 07:03 18:20 | 11 | 16:05 (A4) 16:29 |
| 14 | 05:36 20:25 | 06:04 19:55 | 19:04 (A6) 19:29 (A6) | 06:34 19:07 | 07:04 18:18 | 10 | 16:05 (A4) 16:29 |
| 15 | 05:37 20:25 | 06:05 19:54 | 19:03 (A6) 19:30 (A6) | 06:35 19:06 | 07:05 18:16 | 10 | 16:04 (A4) 16:29 |
| 16 | 05:37 20:24 | 06:06 19:52 | 19:02 (A6) 19:30 (A6) | 06:36 19:04 | 07:06 18:15 | 9 | 16:05 (A4) 16:29 |
| 17 | 05:38 20:23 | 06:07 19:51 | 19:02 (A6) 19:29 (A6) | 06:37 19:02 | 07:07 18:13 | 8 | 16:05 (A4) 16:30 |
| 18 | 05:39 20:23 | 06:08 19:50 | 19:01 (A6) 19:27 (A6) | 06:38 19:00 | 07:08 18:12 | 8 | 16:04 (A4) 16:30 |
| 19 | 05:40 20:22 | 06:09 19:48 | 19:01 (A6) 19:26 (A6) | 06:39 18:59 | 07:09 18:10 | 7 | 16:04 (A4) 16:30 |
| 20 | 05:41 20:21 | 06:10 19:47 | 19:00 (A6) 19:25 (A6) | 06:40 18:57 | 07:10 18:09 | 5 | 16:06 (A4) 16:31 |
| 21 | 05:41 20:21 | 06:11 19:45 | 19:00 (A6) 19:23 (A6) | 06:40 18:55 | 07:11 18:08 | 4 | 16:06 (A4) 16:31 |
| 22 | 05:42 20:20 | 06:11 19:44 | 19:00 (A6) 19:22 (A6) | 06:41 18:54 | 07:12 18:06 | 3 | 16:06 (A4) 16:32 |
| 23 | 05:43 20:19 | 06:12 19:42 | 18:59 (A6) 19:20 (A6) | 06:42 18:52 | 07:13 18:05 | 2 | 16:06 (A4) 16:32 |
| 24 | 05:44 20:18 | 06:13 19:41 | 18:59 (A6) 19:18 (A6) | 06:43 18:50 | 07:15 18:03 | | 06:50 16:32 |
| 25 | 05:45 20:18 | 06:14 19:39 | 18:59 (A6) 19:17 (A6) | 06:44 18:49 | 06:16 17:02 | | 06:51 16:32 |
| 26 | 05:46 20:17 | 06:15 19:38 | 19:00 (A6) 19:15 (A6) | 06:45 18:47 | 06:17 17:01 | | 06:53 16:31 |
| 27 | 05:47 20:16 | 06:16 19:36 | 19:00 (A6) 19:14 (A6) | 06:46 18:45 | 06:18 16:59 | | 06:54 16:31 |
| 28 | 05:48 20:15 | 06:17 19:35 | 19:01 (A6) 19:13 (A6) | 06:47 18:44 | 06:19 16:58 | | 06:55 16:30 |
| 29 | 05:48 20:14 | 06:18 19:33 | 19:02 (A6) 19:11 (A6) | 06:48 18:42 | 06:20 16:57 | | 06:56 16:30 |
| 30 | 05:49 20:13 | 06:19 19:32 | 19:04 (A6) 19:10 (A6) | 06:49 18:40 | 06:21 16:55 | | 06:57 16:30 |
| 31 | 05:50 20:12 | 06:20 19:30 | 19:06 (A6) 19:08 (A6) | | 06:23 16:54 | | 07:18 16:37 |
| Ore potenziali eliofanìa | 457 | 427 | | 375 | 346 | 299 | 290 |
| Totale, caso peggiore | | 426 | | | 134 | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: D4 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (14)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno | | | | | | |
|--------------------------|---------|------------|---------------|------------|--------|------------|---------------|---------------|---------------|---------------|---------------|-------|
| 1 | 07:18 | 07:05 | 16:24 (A1) | 06:30 | 06:40 | 05:55 | 18:25 (A2) | 05:27 | 18:46 (A2) | | | |
| | 16:38 | 17:12 | 24 16:48 (A1) | 17:45 | 19:19 | 19:50 | 19:27 (A2) | 20:18 | 33 19:19 (A2) | | | |
| 2 | 07:18 | 07:04 | 16:25 (A1) | 06:29 | 06:39 | 18:57 (A2) | 05:54 | 18:24 (A2) | 05:27 | 18:48 (A2) | | |
| | 16:39 | 17:13 | 25 16:50 (A1) | 17:47 | 19:20 | 1 | 19:27 (A2) | 05:27 | 20:19 | 31 19:19 (A2) | | |
| 3 | 07:18 | 07:03 | 16:26 (A1) | 06:27 | 06:37 | 18:52 (A2) | 05:53 | 18:25 (A2) | 05:26 | 18:49 (A2) | | |
| | 16:40 | 17:15 | 25 16:51 (A1) | 17:48 | 19:21 | 7 | 18:59 (A2) | 19:52 | 64 19:29 (A2) | 20:20 | 29 19:18 (A2) | |
| 4 | 07:18 | 07:02 | 16:27 (A1) | 06:26 | 06:36 | 18:50 (A2) | 05:52 | 18:25 (A2) | 05:26 | 18:50 (A2) | | |
| | 16:41 | 17:16 | 25 16:52 (A1) | 17:49 | 19:22 | 11 | 19:01 (A2) | 19:53 | 65 19:30 (A2) | 20:20 | 26 19:16 (A2) | |
| 5 | 07:18 | 07:01 | 16:28 (A1) | 06:24 | 06:34 | 18:46 (A2) | 05:50 | 18:25 (A2) | 05:26 | 18:52 (A2) | | |
| | 16:42 | 17:17 | 26 16:54 (A1) | 17:50 | 19:23 | 15 | 19:01 (A2) | 19:54 | 66 19:31 (A2) | 20:21 | 23 19:15 (A2) | |
| 6 | 07:18 | 07:00 | 16:30 (A1) | 06:23 | 06:32 | 18:45 (A2) | 05:49 | 18:26 (A2) | 05:25 | 18:54 (A2) | | |
| | 16:43 | 17:18 | 25 16:55 (A1) | 17:51 | 19:24 | 18 | 19:03 (A2) | 19:55 | 66 19:32 (A2) | 20:22 | 20 19:14 (A2) | |
| 7 | 07:18 | 06:59 | 16:31 (A1) | 06:21 | 06:31 | 18:42 (A2) | 05:48 | 18:26 (A2) | 05:25 | 18:56 (A2) | | |
| | 16:44 | 17:19 | 24 16:55 (A1) | 17:52 | 19:25 | 21 | 19:03 (A2) | 19:56 | 67 19:33 (A2) | 20:22 | 17 19:13 (A2) | |
| 8 | 07:18 | 06:58 | 16:34 (A1) | 06:19 | 06:29 | 18:40 (A2) | 05:47 | 18:26 (A2) | 05:25 | 18:57 (A2) | | |
| | 16:45 | 17:21 | 19 16:53 (A1) | 17:53 | 19:26 | 24 | 19:04 (A2) | 19:57 | 67 19:33 (A2) | 20:23 | 14 19:11 (A2) | |
| 9 | 07:18 | 06:57 | 16:36 (A1) | 06:18 | 06:28 | 18:38 (A2) | 05:46 | 18:26 (A2) | 05:25 | 19:00 (A2) | | |
| | 16:46 | 17:22 | 14 16:50 (A1) | 17:54 | 19:27 | 28 | 19:06 (A2) | 19:58 | 68 19:34 (A2) | 20:24 | 9 19:09 (A2) | |
| 10 | 07:18 | 16:20 (A1) | 06:56 | 16:42 (A1) | 06:16 | 06:26 | 18:36 (A2) | 05:45 | 18:27 (A2) | 05:24 | | |
| | 16:47 | 1 | 16:21 (A1) | 17:23 | 2 | 16:44 (A1) | 17:55 | 19:28 | 30 19:06 (A2) | 19:59 | 68 19:35 (A2) | 20:24 |
| 11 | 07:18 | 16:20 (A1) | 06:55 | | 06:15 | 06:24 | 18:36 (A2) | 05:44 | 18:27 (A2) | 05:24 | | |
| | 16:48 | 2 | 16:22 (A1) | 17:24 | | 17:56 | 19:29 | 32 19:08 (A2) | 20:00 | 68 19:35 (A2) | 20:25 | |
| 12 | 07:18 | 16:21 (A1) | 06:54 | | 06:13 | 06:23 | 18:34 (A2) | 05:43 | 18:28 (A2) | 05:24 | | |
| | 16:49 | 3 | 16:24 (A1) | 17:26 | | 17:58 | 19:30 | 34 19:08 (A2) | 20:01 | 67 19:35 (A2) | 20:25 | |
| 13 | 07:17 | 16:20 (A1) | 06:52 | | 06:11 | 06:21 | 18:33 (A2) | 05:42 | 18:28 (A2) | 05:24 | | |
| | 16:50 | 4 | 16:24 (A1) | 17:27 | | 17:59 | 19:31 | 37 19:10 (A2) | 20:02 | 66 19:34 (A2) | 20:26 | |
| 14 | 07:17 | 16:20 (A1) | 06:51 | | 06:10 | 06:20 | 18:31 (A2) | 05:41 | 18:29 (A2) | 05:24 | | |
| | 16:51 | 6 | 16:26 (A1) | 17:28 | | 18:00 | 19:32 | 39 19:10 (A2) | 20:03 | 64 19:33 (A2) | 20:26 | |
| 15 | 07:17 | 16:21 (A1) | 06:50 | | 06:08 | 06:18 | 18:31 (A2) | 05:40 | 18:30 (A2) | 05:24 | | |
| | 16:52 | 6 | 16:27 (A1) | 17:29 | | 18:01 | 19:33 | 41 19:12 (A2) | 20:04 | 64 19:34 (A2) | 20:27 | |
| 16 | 07:16 | 16:20 (A1) | 06:49 | | 06:07 | 06:17 | 18:30 (A2) | 05:39 | 18:31 (A2) | 05:24 | | |
| | 16:53 | 8 | 16:28 (A1) | 17:30 | | 18:02 | 19:34 | 42 19:12 (A2) | 20:05 | 62 19:33 (A2) | 20:27 | |
| 17 | 07:16 | 16:20 (A1) | 06:47 | | 06:05 | 06:15 | 18:29 (A2) | 05:38 | 18:32 (A2) | 05:24 | | |
| | 16:54 | 10 | 16:30 (A1) | 17:32 | | 18:03 | 19:35 | 45 19:14 (A2) | 20:06 | 60 19:32 (A2) | 20:27 | |
| 18 | 07:15 | 16:20 (A1) | 06:46 | | 06:03 | 06:14 | 18:28 (A2) | 05:37 | 18:32 (A2) | 05:24 | | |
| | 16:55 | 10 | 16:30 (A1) | 17:33 | | 18:04 | 19:36 | 46 19:14 (A2) | 20:06 | 59 19:31 (A2) | 20:28 | |
| 19 | 07:15 | 16:21 (A1) | 06:45 | | 06:02 | 06:12 | 18:28 (A2) | 05:36 | 18:33 (A2) | 05:24 | | |
| | 16:57 | 11 | 16:32 (A1) | 17:34 | | 18:05 | 19:37 | 48 19:16 (A2) | 20:07 | 57 19:30 (A2) | 20:28 | |
| 20 | 07:14 | 16:20 (A1) | 06:43 | | 06:00 | 06:11 | 18:27 (A2) | 05:35 | 18:33 (A2) | 05:24 | | |
| | 16:58 | 13 | 16:33 (A1) | 17:35 | | 18:06 | 19:38 | 49 19:16 (A2) | 20:08 | 56 19:29 (A2) | 20:28 | |
| 21 | 07:14 | 16:20 (A1) | 06:42 | | 05:58 | 06:09 | 18:26 (A2) | 05:34 | 18:35 (A2) | 05:25 | | |
| | 16:59 | 14 | 16:34 (A1) | 17:36 | | 18:07 | 19:39 | 51 19:17 (A2) | 20:09 | 54 19:29 (A2) | 20:28 | |
| 22 | 07:13 | 16:21 (A1) | 06:40 | | 05:57 | 06:08 | 18:25 (A2) | 05:33 | 18:36 (A2) | 05:25 | | |
| | 17:00 | 15 | 16:36 (A1) | 17:37 | | 18:08 | 19:40 | 53 19:18 (A2) | 20:10 | 52 19:28 (A2) | 20:29 | |
| 23 | 07:13 | 16:21 (A1) | 06:39 | | 05:55 | 06:06 | 18:25 (A2) | 05:33 | 18:36 (A2) | 05:25 | | |
| | 17:01 | 16 | 16:37 (A1) | 17:39 | | 18:09 | 19:41 | 54 19:19 (A2) | 20:11 | 51 19:27 (A2) | 20:29 | |
| 24 | 07:12 | 16:21 (A1) | 06:38 | | 05:54 | 06:05 | 18:25 (A2) | 05:32 | 18:38 (A2) | 05:25 | | |
| | 17:02 | 17 | 16:38 (A1) | 17:40 | | 18:10 | 19:42 | 55 19:20 (A2) | 20:12 | 49 19:27 (A2) | 20:29 | |
| 25 | 07:11 | 16:21 (A1) | 06:36 | | 05:52 | 06:04 | 18:25 (A2) | 05:31 | 18:39 (A2) | 05:26 | | |
| | 17:04 | 18 | 16:39 (A1) | 17:41 | | 18:11 | 19:43 | 56 19:21 (A2) | 20:13 | 47 19:26 (A2) | 20:29 | |
| 26 | 07:10 | 16:22 (A1) | 06:35 | | 05:50 | 06:02 | 18:25 (A2) | 05:31 | 18:39 (A2) | 05:26 | | |
| | 17:05 | 19 | 16:41 (A1) | 17:42 | | 18:12 | 19:44 | 57 19:22 (A2) | 20:14 | 46 19:25 (A2) | 20:29 | |
| 27 | 07:10 | 16:22 (A1) | 06:33 | | 05:49 | 06:01 | 18:25 (A2) | 05:30 | 18:41 (A2) | 05:26 | | |
| | 17:06 | 20 | 16:42 (A1) | 17:43 | | 18:13 | 19:45 | 58 19:23 (A2) | 20:14 | 43 19:24 (A2) | 20:29 | |
| 28 | 07:09 | 16:22 (A1) | 06:32 | | 05:47 | 05:59 | 18:24 (A2) | 05:29 | 18:41 (A2) | 05:27 | | |
| | 17:07 | 21 | 16:43 (A1) | 17:44 | | 18:14 | 19:46 | 60 19:24 (A2) | 20:15 | 42 19:23 (A2) | 20:29 | |
| 29 | 07:08 | 16:23 (A1) | | | 06:45 | 05:58 | 18:24 (A2) | 05:29 | 18:43 (A2) | 05:27 | | |
| | 17:08 | 22 | 16:45 (A1) | | 19:15 | 19:47 | 61 19:25 (A2) | 20:16 | 40 19:23 (A2) | 20:29 | | |
| 30 | 07:07 | 16:23 (A1) | | | 06:44 | 05:57 | 18:25 (A2) | 05:28 | 18:44 (A2) | 05:27 | | |
| | 17:10 | 23 | 16:46 (A1) | | 19:16 | 19:49 | 61 19:26 (A2) | 20:17 | 37 19:21 (A2) | 20:29 | | |
| 31 | 07:06 | 16:24 (A1) | | | 06:42 | | | 05:28 | 18:45 (A2) | | | |
| | 17:11 | 23 | 16:47 (A1) | | 19:18 | | | 20:18 | 36 19:21 (A2) | | | |
| Ore potenziali eliofanìa | 299 | | 298 | | 370 | | 398 | | 447 | | 450 | |
| Totale, caso peggiore | 282 | | 209 | | | | 1134 | | 1776 | | 202 | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: D4 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (14)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

- Il sole splende tutto il di, dall'alba al tramonto
- Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
- La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre |
|--------------------------|----------------|------------------------------|--------------------------|----------------|--------------------------|----------------|
| 1 | 05:28 20:29 | 05:51 20:11 | 18:38 (A2) 19:45 (A2) | 06:21 19:28 | 18:35 (A2) 19:07 (A2) | 06:50 18:39 |
| 2 | 05:28 20:29 | 05:52 20:10 | 18:38 (A2) 19:46 (A2) | 06:22 19:27 | 18:35 (A2) 19:05 (A2) | 06:51 18:37 |
| 3 | 05:29 20:29 | 19:06 (A2) 05:53 20:09 | 18:37 (A2) 19:45 (A2) | 06:23 19:25 | 18:36 (A2) 19:04 (A2) | 06:52 18:36 |
| 4 | 05:29 20:29 | 19:04 (A2) 05:54 20:07 | 18:37 (A2) 19:44 (A2) | 06:24 19:24 | 18:38 (A2) 19:02 (A2) | 06:53 18:34 |
| 5 | 05:30 20:29 | 19:02 (A2) 05:55 20:06 | 18:36 (A2) 19:43 (A2) | 06:25 19:22 | 18:39 (A2) 19:01 (A2) | 06:54 18:32 |
| 6 | 05:31 20:28 | 19:01 (A2) 05:56 20:05 | 18:36 (A2) 19:42 (A2) | 06:26 19:20 | 18:40 (A2) 18:58 (A2) | 06:55 18:31 |
| 7 | 05:31 20:28 | 18:59 (A2) 05:57 20:04 | 18:35 (A2) 19:41 (A2) | 06:27 19:19 | 18:41 (A2) 18:56 (A2) | 06:56 18:29 |
| 8 | 05:32 20:28 | 19:21 (A2) 05:58 20:03 | 18:35 (A2) 19:40 (A2) | 06:28 19:17 | 18:43 (A2) 18:55 (A2) | 06:57 18:27 |
| 9 | 05:32 20:27 | 18:57 (A2) 05:59 20:02 | 18:33 (A2) 19:38 (A2) | 06:29 19:16 | 18:46 (A2) 18:53 (A2) | 06:58 18:26 |
| 10 | 05:33 20:27 | 18:56 (A2) 06:00 20:00 | 18:33 (A2) 19:37 (A2) | 06:30 19:14 | 18:50 (A2) 18:52 (A2) | 07:00 18:24 |
| 11 | 05:34 20:27 | 18:55 (A2) 06:01 19:59 | 18:33 (A2) 19:36 (A2) | 06:31 19:12 | 07:01 18:23 | 06:55 16:42 |
| 12 | 05:34 20:26 | 18:54 (A2) 06:02 19:58 | 18:32 (A2) 19:35 (A2) | 06:32 19:11 | 07:02 18:21 | 06:56 16:41 |
| 13 | 05:35 20:26 | 19:29 (A2) 06:03 19:56 | 18:32 (A2) 19:34 (A2) | 06:33 19:09 | 07:03 18:20 | 06:57 16:40 |
| 14 | 05:36 20:25 | 18:52 (A2) 06:04 19:55 | 18:32 (A2) 19:32 (A2) | 06:34 19:07 | 07:04 18:18 | 06:59 16:39 |
| 15 | 05:37 20:25 | 18:51 (A2) 06:05 19:54 | 18:32 (A2) 19:31 (A2) | 06:35 19:06 | 07:05 18:16 | 06:40 16:38 |
| 16 | 05:37 20:24 | 18:51 (A2) 06:06 19:52 | 18:32 (A2) 19:30 (A2) | 06:36 19:04 | 07:06 18:15 | 06:41 16:38 |
| 17 | 05:38 20:23 | 18:49 (A2) 06:07 19:51 | 18:31 (A2) 19:29 (A2) | 06:37 19:02 | 07:07 18:13 | 06:42 16:37 |
| 18 | 05:39 20:23 | 18:48 (A2) 06:08 19:50 | 18:31 (A2) 19:27 (A2) | 06:38 19:00 | 07:08 18:12 | 06:43 16:36 |
| 19 | 05:40 20:22 | 18:48 (A2) 06:09 19:48 | 18:31 (A2) 19:26 (A2) | 06:39 18:59 | 07:09 18:11 | 06:45 16:35 |
| 20 | 05:41 20:21 | 18:47 (A2) 06:10 19:47 | 18:31 (A2) 19:25 (A2) | 06:40 18:57 | 07:10 18:09 | 06:46 16:35 |
| 21 | 05:41 20:21 | 18:47 (A2) 06:11 19:45 | 18:31 (A2) 19:23 (A2) | 06:40 18:55 | 07:11 18:08 | 06:47 16:34 |
| 22 | 05:42 20:20 | 18:45 (A2) 06:12 19:44 | 18:31 (A2) 19:22 (A2) | 06:41 18:54 | 07:12 18:06 | 06:48 16:33 |
| 23 | 05:43 20:19 | 18:44 (A2) 06:13 19:42 | 18:30 (A2) 19:20 (A2) | 06:42 18:52 | 07:13 18:05 | 06:49 16:33 |
| 24 | 05:44 20:18 | 18:44 (A2) 06:13 19:41 | 18:31 (A2) 19:18 (A2) | 06:43 18:50 | 07:15 18:03 | 06:50 16:32 |
| 25 | 05:45 20:17 | 18:43 (A2) 06:14 19:39 | 18:31 (A2) 19:17 (A2) | 06:44 18:49 | 06:16 17:02 | 06:51 16:32 |
| 26 | 05:46 20:17 | 18:43 (A2) 06:15 19:38 | 18:31 (A2) 19:15 (A2) | 06:45 18:47 | 06:17 17:01 | 06:53 16:31 |
| 27 | 05:47 20:16 | 18:42 (A2) 06:16 19:36 | 18:32 (A2) 19:14 (A2) | 06:46 18:45 | 06:18 16:59 | 06:54 16:31 |
| 28 | 05:48 20:15 | 18:41 (A2) 06:17 19:35 | 18:32 (A2) 19:13 (A2) | 06:47 18:44 | 06:19 16:58 | 06:55 16:30 |
| 29 | 05:49 20:14 | 18:40 (A2) 06:18 19:33 | 18:32 (A2) 19:11 (A2) | 06:48 18:42 | 06:20 16:57 | 06:56 16:30 |
| 30 | 05:49 20:13 | 18:39 (A2) 06:19 19:32 | 18:33 (A2) 19:10 (A2) | 06:49 18:40 | 06:21 16:55 | 06:57 16:30 |
| 31 | 05:50 20:12 | 18:39 (A2) 06:20 19:30 | 18:34 (A2) 19:08 (A2) | | 06:23 16:54 | |
| Ore potenziali eliofanìa | 457 | 427 | 375 | 346 | 299 | 290 |
| Totale, caso peggiore | 1222 | 1734 | 190 | | 496 | 3 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
Tramonto (hh:mm)Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: D5 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (15)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno | | |
|--------------------------|----------------|----------------|--------------------------|--------------------------|----------------|----------------|--------------------------|--------------------------|
| 1 | 07:18 16:38 | 07:05 17:12 | 06:30 17:45 | 16:58 (A1) 17:24 (A1) | 06:40 19:19 | 05:55 19:50 | 05:27 20:18 | 19:33 (A2) 19:53 (A2) |
| 2 | 07:18 16:39 | 07:04 17:13 | 06:29 17:47 | 16:59 (A1) 17:25 (A1) | 06:39 19:20 | 05:54 19:51 | 05:27 20:19 | 19:33 (A2) 19:54 (A2) |
| 3 | 07:18 16:40 | 07:03 17:15 | 06:27 17:48 | 17:01 (A1) 17:26 (A1) | 06:37 19:21 | 05:53 19:52 | 05:26 20:20 | 19:33 (A2) 19:55 (A2) |
| 4 | 07:18 16:41 | 07:02 17:16 | 06:26 17:49 | 17:02 (A1) 17:23 (A1) | 06:36 19:22 | 05:52 19:53 | 05:26 20:20 | 19:32 (A2) 19:55 (A2) |
| 5 | 07:18 16:42 | 07:01 17:17 | 06:24 17:50 | 17:05 (A1) 17:21 (A1) | 06:34 19:23 | 05:50 19:54 | 05:26 20:21 | 19:32 (A2) 19:56 (A2) |
| 6 | 07:18 16:43 | 07:00 17:18 | 06:23 17:51 | 17:12 (A1) 17:13 (A1) | 06:32 19:24 | 05:49 19:55 | 05:25 20:22 | 19:32 (A2) 19:57 (A2) |
| 7 | 07:18 16:44 | 06:59 17:19 | 06:21 17:52 | | 06:31 19:25 | 05:48 19:56 | 05:25 20:22 | 19:32 (A2) 19:58 (A2) |
| 8 | 07:18 16:45 | 06:58 17:21 | 06:19 17:53 | | 06:29 19:26 | 05:47 19:57 | 05:25 20:23 | 19:31 (A2) 19:58 (A2) |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | | 06:18 19:27 | 05:46 19:58 | 05:25 20:24 | 19:31 (A2) 19:58 (A2) |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | | 06:26 19:28 | 05:45 19:59 | 05:24 20:24 | 19:32 (A2) 19:59 (A2) |
| 11 | 07:18 16:48 | 06:55 17:24 | 17:00 (A1) 17:02 (A1) | 06:15 17:56 | 06:24 19:29 | 05:44 20:00 | 05:24 20:25 | 19:32 (A2) 20:00 (A2) |
| 12 | 07:18 16:49 | 06:54 17:26 | 16:59 (A1) 17:03 (A1) | 06:13 17:58 | 06:23 19:30 | 05:43 20:01 | 05:24 20:25 | 19:32 (A2) 20:00 (A2) |
| 13 | 07:17 16:50 | 06:52 17:27 | 16:59 (A1) 17:05 (A1) | 06:11 17:59 | 06:21 19:31 | 05:42 20:02 | 05:24 20:26 | 19:32 (A2) 20:01 (A2) |
| 14 | 07:17 16:51 | 06:51 17:28 | 16:57 (A1) 17:05 (A1) | 06:10 18:00 | 06:20 19:32 | 05:41 20:03 | 05:24 20:26 | 19:32 (A2) 20:01 (A2) |
| 15 | 07:17 16:52 | 06:50 17:29 | 16:57 (A1) 17:07 (A1) | 06:08 18:01 | 06:18 19:33 | 05:40 20:04 | 05:24 20:27 | 19:32 (A2) 20:01 (A2) |
| 16 | 07:16 16:53 | 06:49 17:30 | 16:56 (A1) 17:08 (A1) | 06:07 18:02 | 06:17 19:34 | 05:39 20:05 | 05:24 20:27 | 19:32 (A2) 20:02 (A2) |
| 17 | 07:16 16:54 | 06:47 17:32 | 16:55 (A1) 17:09 (A1) | 06:05 18:03 | 06:15 19:35 | 05:38 20:05 | 05:24 20:27 | 19:32 (A2) 20:02 (A2) |
| 18 | 07:15 16:55 | 06:46 17:33 | 16:55 (A1) 17:11 (A1) | 06:03 18:04 | 06:14 19:36 | 05:37 20:06 | 05:24 20:28 | 19:32 (A2) 20:02 (A2) |
| 19 | 07:15 16:57 | 06:45 17:34 | 16:55 (A1) 17:12 (A1) | 06:02 18:05 | 06:12 19:37 | 05:36 20:07 | 05:24 20:28 | 19:32 (A2) 20:02 (A2) |
| 20 | 07:14 16:58 | 06:43 17:35 | 16:54 (A1) 17:13 (A1) | 06:00 18:06 | 06:11 19:38 | 05:35 20:08 | 05:24 20:28 | 19:33 (A2) 20:03 (A2) |
| 21 | 07:14 16:59 | 06:42 17:36 | 16:55 (A1) 17:15 (A1) | 05:58 18:07 | 06:09 19:39 | 05:34 20:09 | 19:44 (A2) 20:28 | 19:33 (A2) 20:03 (A2) |
| 22 | 07:13 17:00 | 06:40 17:37 | 16:54 (A1) 17:15 (A1) | 05:57 18:08 | 06:08 19:40 | 05:33 20:10 | 19:42 (A2) 20:29 | 19:33 (A2) 20:03 (A2) |
| 23 | 07:13 17:01 | 06:39 17:39 | 16:55 (A1) 17:17 (A1) | 05:55 18:09 | 06:06 19:41 | 05:33 20:11 | 19:40 (A2) 20:29 | 19:33 (A2) 20:03 (A2) |
| 24 | 07:12 17:02 | 06:38 17:40 | 16:55 (A1) 17:19 (A1) | 05:54 18:10 | 06:05 19:42 | 05:32 20:12 | 19:40 (A2) 20:29 | 19:34 (A2) 20:04 (A2) |
| 25 | 07:11 17:04 | 06:36 17:41 | 16:55 (A1) 17:19 (A1) | 05:52 18:11 | 06:04 19:43 | 05:31 20:13 | 19:38 (A2) 20:29 | 19:34 (A2) 20:04 (A2) |
| 26 | 07:10 17:05 | 06:35 17:42 | 16:56 (A1) 17:21 (A1) | 05:50 18:12 | 06:02 19:44 | 05:31 20:14 | 19:37 (A2) 20:29 | 19:34 (A2) 20:04 (A2) |
| 27 | 07:10 17:06 | 06:33 17:43 | 16:56 (A1) 17:22 (A1) | 05:49 18:13 | 06:01 19:45 | 05:30 20:14 | 19:37 (A2) 20:29 | 19:35 (A2) 20:05 (A2) |
| 28 | 07:09 17:07 | 06:32 17:44 | 16:57 (A1) 17:23 (A1) | 05:47 18:14 | 05:59 19:46 | 05:29 20:15 | 19:36 (A2) 20:29 | 19:35 (A2) 20:04 (A2) |
| 29 | 07:08 17:08 | | | 06:45 19:15 | 05:58 19:47 | 05:29 20:16 | 19:35 (A2) 20:29 | 19:35 (A2) 20:04 (A2) |
| 30 | 07:07 17:10 | | | 06:44 19:16 | 05:57 19:49 | 05:28 20:17 | 19:34 (A2) 20:29 | 19:36 (A2) 20:04 (A2) |
| 31 | 07:06 17:11 | | | 06:42 19:18 | | 05:28 20:18 | 19:34 (A2) 19:53 (A2) | |
| Ore potenziali eliofanìa | 299 | 298 | 370 | 398 | 447 | 450 | | |
| Totale, caso peggiore | | 296 | 115 | | 125 | 831 | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: D5 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (15)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre | | |
|--------------------------|--------|---------------|-----------|---------|----------|---------------|-------|-------|
| 1 | 05:28 | 19:36 (A2) | 05:51 | 06:21 | 06:50 | 06:24 | 06:58 | |
| | 20:29 | 28 20:04 (A2) | 20:11 | 19:28 | 18:39 | 16:53 | 16:29 | |
| 2 | 05:28 | 19:37 (A2) | 05:52 | 06:22 | 06:51 | 06:25 | 06:59 | |
| | 20:29 | 27 20:04 (A2) | 20:10 | 19:27 | 18:37 | 16:52 | 16:29 | |
| 3 | 05:29 | 19:36 (A2) | 05:53 | 06:23 | 06:52 | 06:26 | 07:00 | |
| | 20:29 | 28 20:04 (A2) | 20:09 | 19:25 | 18:36 | 16:51 | 16:29 | |
| 4 | 05:29 | 19:37 (A2) | 05:54 | 06:24 | 06:53 | 06:27 | 07:01 | |
| | 20:29 | 27 20:04 (A2) | 20:07 | 19:24 | 18:34 | 16:49 | 16:29 | |
| 5 | 05:30 | 19:37 (A2) | 05:55 | 06:25 | 06:54 | 06:28 | 07:02 | |
| | 20:29 | 26 20:03 (A2) | 20:06 | 19:22 | 18:32 | 16:48 | 16:29 | |
| 6 | 05:31 | 19:38 (A2) | 05:56 | 06:26 | 06:55 | 06:29 | 07:03 | |
| | 20:28 | 25 20:03 (A2) | 20:05 | 19:20 | 18:31 | 16:47 | 16:28 | |
| 7 | 05:31 | 19:38 (A2) | 05:57 | 06:27 | 06:56 | 06:31 | 07:04 | |
| | 20:28 | 25 20:03 (A2) | 20:04 | 19:19 | 18:29 | 16:46 | 16:28 | |
| 8 | 05:32 | 19:39 (A2) | 05:58 | 06:28 | 06:57 | 17:42 (A1) | 06:32 | 07:05 |
| | 20:28 | 24 20:03 (A2) | 20:03 | 19:17 | 18:27 | 11 17:53 (A1) | 16:45 | 16:28 |
| 9 | 05:32 | 19:40 (A2) | 05:59 | 06:29 | 06:58 | 17:38 (A1) | 06:33 | 07:05 |
| | 20:27 | 23 20:03 (A2) | 20:02 | 19:15 | 18:26 | 19 17:57 (A1) | 16:44 | 16:28 |
| 10 | 05:33 | 19:40 (A2) | 06:00 | 06:30 | 07:00 | 17:36 (A1) | 06:34 | 07:06 |
| | 20:27 | 22 20:02 (A2) | 20:00 | 19:14 | 18:24 | 24 18:00 (A1) | 16:43 | 16:28 |
| 11 | 05:34 | 19:41 (A2) | 06:01 | 06:31 | 07:01 | 17:34 (A1) | 06:35 | 07:07 |
| | 20:27 | 21 20:02 (A2) | 19:59 | 19:12 | 18:23 | 26 18:00 (A1) | 16:42 | 16:28 |
| 12 | 05:34 | 19:42 (A2) | 06:02 | 06:32 | 07:02 | 17:32 (A1) | 06:36 | 07:08 |
| | 20:26 | 20 20:02 (A2) | 19:58 | 19:11 | 18:21 | 27 17:59 (A1) | 16:41 | 16:28 |
| 13 | 05:35 | 19:42 (A2) | 06:03 | 06:33 | 07:03 | 17:31 (A1) | 06:38 | 07:09 |
| | 20:26 | 19 20:01 (A2) | 19:56 | 19:09 | 18:20 | 26 17:57 (A1) | 16:40 | 16:29 |
| 14 | 05:36 | 19:43 (A2) | 06:04 | 06:34 | 07:04 | 17:29 (A1) | 06:39 | 07:10 |
| | 20:25 | 17 20:00 (A2) | 19:55 | 19:07 | 18:18 | 26 17:55 (A1) | 16:39 | 16:29 |
| 15 | 05:37 | 19:44 (A2) | 06:05 | 06:35 | 07:05 | 17:28 (A1) | 06:40 | 07:10 |
| | 20:25 | 16 20:00 (A2) | 19:54 | 19:06 | 18:16 | 26 17:54 (A1) | 16:38 | 16:29 |
| 16 | 05:37 | 19:46 (A2) | 06:06 | 06:36 | 07:06 | 17:27 (A1) | 06:41 | 07:11 |
| | 20:24 | 14 20:00 (A2) | 19:52 | 19:04 | 18:15 | 25 17:52 (A1) | 16:38 | 16:29 |
| 17 | 05:38 | 19:46 (A2) | 06:07 | 06:37 | 07:07 | 17:26 (A1) | 06:42 | 07:12 |
| | 20:23 | 13 19:59 (A2) | 19:51 | 19:02 | 18:13 | 24 17:50 (A1) | 16:37 | 16:30 |
| 18 | 05:39 | 19:47 (A2) | 06:08 | 06:38 | 07:08 | 17:26 (A1) | 06:43 | 07:12 |
| | 20:23 | 11 19:58 (A2) | 19:50 | 19:00 | 18:12 | 23 17:49 (A1) | 16:36 | 16:30 |
| 19 | 05:40 | 19:49 (A2) | 06:09 | 06:39 | 07:09 | 17:25 (A1) | 06:45 | 07:13 |
| | 20:22 | 9 19:58 (A2) | 19:48 | 18:59 | 18:11 | 22 17:47 (A1) | 16:35 | 16:30 |
| 20 | 05:41 | 19:50 (A2) | 06:10 | 06:40 | 07:10 | 17:26 (A1) | 06:46 | 07:14 |
| | 20:21 | 7 19:57 (A2) | 19:47 | 18:57 | 18:09 | 20 17:46 (A1) | 16:35 | 16:31 |
| 21 | 05:41 | 19:52 (A2) | 06:11 | 06:40 | 07:11 | 17:25 (A1) | 06:47 | 07:14 |
| | 20:21 | 5 19:57 (A2) | 19:45 | 18:55 | 18:08 | 20 17:45 (A1) | 16:34 | 16:31 |
| 22 | 05:42 | 19:53 (A2) | 06:12 | 06:41 | 07:12 | 17:25 (A1) | 06:48 | 07:15 |
| | 20:20 | 2 19:55 (A2) | 19:44 | 18:54 | 18:06 | 18 17:43 (A1) | 16:33 | 16:32 |
| 23 | 05:43 | | 06:13 | 06:42 | 07:13 | 17:25 (A1) | 06:49 | 07:15 |
| | 20:19 | | 19:42 | 18:52 | 18:05 | 17 17:42 (A1) | 16:33 | 16:32 |
| 24 | 05:44 | | 06:13 | 06:43 | 07:15 | 17:25 (A1) | 06:50 | 07:16 |
| | 20:18 | | 19:41 | 18:50 | 18:03 | 15 17:40 (A1) | 16:32 | 16:33 |
| 25 | 05:45 | | 06:14 | 06:44 | 06:16 | 16:25 (A1) | 06:51 | 07:16 |
| | 20:17 | | 19:39 | 18:49 | 17:02 | 13 16:38 (A1) | 16:32 | 16:33 |
| 26 | 05:46 | | 06:15 | 06:45 | 06:17 | 16:26 (A1) | 06:52 | 07:16 |
| | 20:17 | | 19:38 | 18:47 | 17:01 | 12 16:38 (A1) | 16:31 | 16:34 |
| 27 | 05:47 | | 06:16 | 06:46 | 06:18 | 16:26 (A1) | 06:54 | 07:17 |
| | 20:16 | | 19:36 | 18:45 | 16:59 | 10 16:36 (A1) | 16:31 | 16:35 |
| 28 | 05:48 | | 06:17 | 06:47 | 06:19 | 16:27 (A1) | 06:55 | 07:17 |
| | 20:15 | | 19:35 | 18:44 | 16:58 | 8 16:35 (A1) | 16:30 | 16:35 |
| 29 | 05:49 | | 06:18 | 06:48 | 06:20 | 16:28 (A1) | 06:56 | 07:17 |
| | 20:14 | | 19:33 | 18:42 | 16:57 | 5 16:33 (A1) | 16:30 | 16:36 |
| 30 | 05:49 | | 06:19 | 06:49 | 06:21 | 16:29 (A1) | 06:57 | 07:18 |
| | 20:13 | | 19:32 | 18:40 | 16:55 | 4 16:33 (A1) | 16:30 | 16:37 |
| 31 | 05:50 | | 06:20 | | 06:23 | 16:30 (A1) | | 07:18 |
| | 20:12 | | 19:30 | | 16:54 | 1 16:31 (A1) | | 16:37 |
| Ore potenziali eliofania | 457 | | | | | | 299 | 290 |
| Totale, caso peggiore | 409 | 427 | 375 | 346 | 422 | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: D6 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (16)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il di, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre | |
|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------------|----------------|--------------------------|----------------|--------------------------|----------------|----------------|
| 1 | 07:18 16:39 | 07:05 17:12 | 06:30 17:45 | 06:40 19:19 | 05:56 19:50 | 05:27 20:18 | 05:49 (A4) 06:39 (A4) | 05:28 20:29 | 05:50 (A4) 06:44 (A4) | 05:51 20:11 | 06:13 (A4) 06:39 (A4) | 06:24 18:39 | 06:58 16:53 |
| 2 | 07:18 16:39 | 07:05 17:13 | 06:29 17:47 | 06:39 19:20 | 05:54 19:51 | 05:27 20:19 | 05:48 (A4) 06:38 (A4) | 05:28 20:29 | 05:51 (A4) 06:45 (A4) | 05:52 20:10 | 06:14 (A4) 06:38 (A4) | 06:25 18:37 | 06:59 16:52 |
| 3 | 07:19 16:40 | 07:04 17:15 | 06:27 17:48 | 06:37 19:21 | 05:53 19:52 | 05:26 20:20 | 05:48 (A4) 06:39 (A4) | 05:29 20:29 | 05:51 (A4) 06:45 (A4) | 05:53 20:09 | 06:15 (A4) 06:37 (A4) | 06:26 18:36 | 07:00 16:51 |
| 4 | 07:19 16:41 | 07:03 17:16 | 06:26 17:49 | 06:36 19:22 | 05:52 19:53 | 05:26 20:21 | 05:47 (A4) 06:38 (A4) | 05:29 20:29 | 05:52 (A4) 06:45 (A4) | 05:54 20:08 | 06:16 (A4) 06:35 (A4) | 06:27 18:34 | 07:01 16:50 |
| 5 | 07:19 16:42 | 07:02 17:17 | 06:24 17:50 | 06:34 19:23 | 05:51 19:54 | 05:26 20:21 | 05:47 (A4) 06:39 (A4) | 05:30 20:29 | 05:52 (A4) 06:45 (A4) | 05:55 20:06 | 06:17 (A4) 06:34 (A4) | 06:28 18:32 | 07:02 16:48 |
| 6 | 07:19 16:43 | 07:00 17:18 | 06:23 17:51 | 06:32 19:24 | 05:49 19:55 | 05:25 20:22 | 05:47 (A4) 06:39 (A4) | 05:31 20:28 | 05:53 (A4) 06:46 (A4) | 05:56 20:05 | 06:18 (A4) 06:32 (A4) | 06:29 18:31 | 07:03 16:47 |
| 7 | 07:19 16:44 | 06:59 17:20 | 06:21 17:52 | 06:31 19:25 | 05:48 19:56 | 05:25 20:23 | 05:47 (A4) 06:40 (A4) | 05:31 20:28 | 05:54 (A4) 06:46 (A4) | 05:57 20:04 | 06:19 (A4) 06:31 (A4) | 06:27 18:29 | 07:04 16:46 |
| 8 | 07:18 16:45 | 06:58 17:21 | 06:20 17:53 | 06:29 19:26 | 05:47 19:57 | 05:25 20:23 | 05:46 (A4) 06:39 (A4) | 05:32 20:28 | 05:54 (A4) 06:46 (A4) | 05:58 20:03 | 06:20 (A4) 06:28 (A4) | 06:28 18:27 | 07:05 16:45 |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | 06:28 19:27 | 05:46 19:58 | 05:25 20:24 | 05:46 (A4) 06:40 (A4) | 05:32 20:28 | 05:55 (A4) 06:46 (A4) | 05:59 20:02 | 06:21 (A4) 06:29 (A4) | 06:29 18:26 | 07:06 16:44 |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | 06:26 19:28 | 05:45 19:59 | 05:25 20:24 | 05:46 (A4) 06:40 (A4) | 05:33 20:27 | 05:55 (A4) 06:45 (A4) | 06:00 20:00 | 06:22 (A4) 06:30 (A4) | 06:30 18:24 | 07:06 16:43 |
| 11 | 07:18 16:48 | 06:55 17:24 | 06:15 17:57 | 06:24 19:29 | 05:44 20:00 | 05:24 20:25 | 05:46 (A4) 06:40 (A4) | 05:34 20:27 | 05:56 (A4) 06:46 (A4) | 06:01 19:59 | 06:31 (A4) 06:39 (A4) | 06:35 18:23 | 07:07 16:42 |
| 12 | 07:18 16:49 | 06:54 17:26 | 06:13 17:58 | 06:23 19:30 | 05:43 20:01 | 05:24 20:25 | 05:46 (A4) 06:40 (A4) | 05:34 20:26 | 05:57 (A4) 06:46 (A4) | 06:02 19:58 | 06:32 (A4) 06:40 (A4) | 06:37 18:21 | 07:08 16:41 |
| 13 | 07:17 16:50 | 06:52 17:27 | 06:12 17:59 | 06:21 19:31 | 05:42 20:02 | 05:24 20:26 | 05:46 (A4) 06:41 (A4) | 05:35 20:26 | 05:57 (A4) 06:46 (A4) | 06:03 19:57 | 06:33 (A4) 06:39 (A4) | 06:38 18:20 | 07:09 16:40 |
| 14 | 07:17 16:51 | 06:51 17:28 | 06:10 18:00 | 06:20 19:32 | 05:41 20:03 | 05:24 20:26 | 05:46 (A4) 06:41 (A4) | 05:36 20:25 | 05:58 (A4) 06:46 (A4) | 06:04 19:55 | 06:34 (A4) 06:40 (A4) | 06:39 18:19 | 07:10 16:39 |
| 15 | 07:17 16:52 | 06:50 17:29 | 06:08 18:01 | 06:18 19:33 | 05:40 20:04 | 05:24 20:27 | 05:46 (A4) 06:41 (A4) | 05:37 20:25 | 05:59 (A4) 06:46 (A4) | 06:05 19:54 | 06:35 (A4) 06:41 (A4) | 06:40 18:17 | 07:10 16:39 |
| 16 | 07:16 16:53 | 06:49 17:30 | 06:07 18:02 | 06:17 19:34 | 05:39 20:05 | 05:24 20:27 | 05:46 (A4) 06:41 (A4) | 05:37 20:24 | 06:00 (A4) 06:46 (A4) | 06:06 19:52 | 06:36 (A4) 06:42 (A4) | 06:41 18:15 | 07:11 16:38 |
| 17 | 07:16 16:54 | 06:47 17:32 | 06:05 18:03 | 06:15 19:35 | 05:38 20:06 | 05:24 20:27 | 05:46 (A4) 06:41 (A4) | 05:38 20:24 | 06:00 (A4) 06:45 (A4) | 06:07 19:51 | 06:37 (A4) 06:43 (A4) | 06:42 18:14 | 07:12 16:37 |
| 18 | 07:15 16:55 | 06:46 17:33 | 06:03 18:04 | 06:14 19:36 | 05:37 20:07 | 05:24 20:28 | 05:46 (A4) 06:43 (A4) | 05:39 20:23 | 06:01 (A4) 06:46 (A4) | 06:08 19:50 | 06:38 (A4) 06:44 (A4) | 06:44 18:12 | 07:12 16:36 |
| 19 | 07:15 16:57 | 06:45 17:34 | 06:02 18:05 | 06:12 19:37 | 05:36 20:08 | 05:24 20:28 | 05:46 (A4) 06:43 (A4) | 05:40 20:22 | 06:02 (A4) 06:46 (A4) | 06:09 19:48 | 06:39 (A4) 06:45 (A4) | 06:45 18:11 | 07:13 16:35 |
| 20 | 07:14 16:58 | 06:43 17:35 | 06:00 18:06 | 06:11 19:38 | 05:35 20:08 | 05:24 20:28 | 05:47 (A4) 06:43 (A4) | 05:41 20:22 | 06:03 (A4) 06:46 (A4) | 06:10 19:47 | 06:40 (A4) 06:46 (A4) | 06:46 18:09 | 07:14 16:34 |
| 21 | 07:14 16:59 | 06:42 17:36 | 05:59 18:07 | 06:09 19:39 | 05:34 20:09 | 05:25 20:29 | 05:47 (A4) 06:43 (A4) | 05:41 20:21 | 06:04 (A4) 06:46 (A4) | 06:11 19:45 | 06:41 (A4) 06:47 (A4) | 06:47 18:08 | 07:14 16:33 |
| 22 | 07:13 17:00 | 06:41 17:37 | 05:57 18:08 | 06:08 19:40 | 05:34 20:10 | 05:25 20:29 | 05:47 (A4) 06:43 (A4) | 05:42 20:20 | 06:04 (A4) 06:45 (A4) | 06:12 19:44 | 06:42 (A4) 06:48 (A4) | 06:48 18:06 | 07:15 16:32 |
| 23 | 07:13 17:01 | 06:39 17:39 | 05:55 18:09 | 06:06 19:41 | 05:33 20:11 | 05:25 20:29 | 05:47 (A4) 06:43 (A4) | 05:43 20:19 | 06:05 (A4) 06:44 (A4) | 06:13 19:42 | 06:43 (A4) 06:49 (A4) | 06:49 18:05 | 07:15 16:31 |
| 24 | 07:12 17:02 | 06:38 17:40 | 05:54 18:10 | 06:05 19:42 | 05:32 20:12 | 05:25 20:29 | 05:48 (A4) 06:43 (A4) | 05:44 20:18 | 06:06 (A4) 06:44 (A4) | 06:14 19:41 | 06:44 (A4) 06:50 (A4) | 06:50 18:03 | 07:16 16:30 |
| 25 | 07:11 17:04 | 06:36 17:41 | 05:52 18:11 | 06:04 19:43 | 05:31 20:13 | 05:26 20:29 | 05:48 (A4) 06:43 (A4) | 05:45 20:18 | 06:07 (A4) 06:44 (A4) | 06:15 19:39 | 06:44 (A4) 06:50 (A4) | 06:51 18:02 | 07:16 16:29 |
| 26 | 07:11 17:05 | 06:35 17:42 | 05:50 18:12 | 06:02 19:44 | 05:31 20:14 | 05:26 20:29 | 05:48 (A4) 06:43 (A4) | 05:46 20:17 | 06:08 (A4) 06:44 (A4) | 06:15 19:38 | 06:45 (A4) 06:51 (A4) | 06:52 18:01 | 07:17 16:28 |
| 27 | 07:10 17:06 | 06:33 17:43 | 05:49 18:13 | 06:01 19:46 | 05:30 20:15 | 05:26 20:29 | 05:49 (A4) 06:44 (A4) | 05:47 20:16 | 06:09 (A4) 06:43 (A4) | 06:16 19:36 | 06:46 (A4) 06:52 (A4) | 06:54 18:00 | 07:17 16:27 |
| 28 | 07:09 17:07 | 06:32 17:44 | 05:47 18:14 | 05:59 19:47 | 05:29 20:15 | 05:27 20:29 | 05:49 (A4) 06:44 (A4) | 05:48 20:15 | 06:10 (A4) 06:43 (A4) | 06:17 19:35 | 06:47 (A4) 06:53 (A4) | 06:55 18:00 | 07:17 16:26 |
| 29 | 07:08 17:09 | 06:45 17:46 | 05:58 18:14 | 05:57 19:48 | 05:29 20:16 | 05:27 20:29 | 05:49 (A4) 06:44 (A4) | 05:49 20:14 | 06:10 (A4) 06:41 (A4) | 06:18 19:33 | 06:48 (A4) 06:54 (A4) | 06:56 18:00 | 07:18 16:25 |
| 30 | 07:07 17:10 | 06:44 17:47 | 05:57 18:15 | 05:57 19:49 | 05:28 20:17 | 05:27 20:29 | 05:49 (A4) 06:45 (A4) | 05:49 20:13 | 06:11 (A4) 06:40 (A4) | 06:19 19:32 | 06:49 (A4) 06:55 (A4) | 06:57 18:00 | 07:18 16:24 |
| 31 | 07:06 17:11 | 06:42 17:48 | 05:57 18:16 | 05:57 19:50 | 05:28 20:18 | 05:27 20:29 | 05:50 (A4) 06:46 (A4) | 05:50 20:12 | 06:12 (A4) 06:40 (A4) | 06:20 19:30 | 06:23 (A4) 06:50 (A4) | 06:30 18:00 | 07:18 16:23 |
| Ore potenziali eliofonia | 299 | 298 | 370 | 398 | 447 | 450 | 457 | 427 | 375 | 346 | 299 | 290 | |
| Totale, caso peggiore | | | | | 919 | 1623 | 1380 | 147 | | | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: D7 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (17)
Assunzioni sui calcoli d'ombra

- I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
- Il sole splende tutto il di, dall'alba al tramonto
- Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
- La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno | | | | |
|--------------------------|----------------|--------------------------|--------------------------|----------------|--------------------------|----------------|----------------|----------------------------|---------------------------|---------------------------|
| 1 | 07:18 16:38 | 07:05 17:12 | 14:38 (A9) 15:32 (A9) | 06:30 17:45 | 14:32 (A9) 15:42 (A9) | 06:40 19:18 | 05:55 19:49 | 05:27 20:18 | 05:57 (A10) 19:42 (A8) | |
| 2 | 07:18 16:39 | 07:04 17:13 | 14:37 (A9) 15:33 (A9) | 06:29 17:46 | 14:33 (A9) 15:41 (A9) | 06:39 19:19 | 05:54 19:50 | 05:27 20:19 | 05:58 (A10) 19:42 (A8) | |
| 3 | 07:18 16:40 | 07:03 17:14 | 14:36 (A9) 15:34 (A9) | 06:27 17:48 | 14:34 (A9) 15:41 (A9) | 06:37 19:20 | 05:53 19:51 | 05:26 20:20 | 05:58 (A10) 19:43 (A8) | |
| 4 | 07:18 16:41 | 07:02 17:16 | 14:35 (A9) 15:36 (A9) | 06:26 17:49 | 14:34 (A9) 15:40 (A9) | 06:35 19:22 | 05:52 19:52 | 06:14 (A10) 06:26 (A10) | 05:26 20:20 | 05:58 (A10) 19:42 (A8) |
| 5 | 07:18 16:42 | 07:01 17:17 | 14:34 (A9) 15:37 (A9) | 06:24 17:50 | 14:36 (A9) 15:40 (A9) | 06:34 19:23 | 05:50 19:54 | 06:10 (A10) 06:30 (A10) | 05:26 20:21 | 05:59 (A10) 19:42 (A8) |
| 6 | 07:18 16:43 | 07:00 17:18 | 14:34 (A9) 15:38 (A9) | 06:22 17:51 | 14:37 (A9) 15:38 (A9) | 06:32 19:24 | 05:49 19:55 | 06:09 (A10) 06:32 (A10) | 05:25 20:22 | 05:59 (A10) 19:42 (A8) |
| 7 | 07:18 16:44 | 06:59 17:19 | 14:33 (A9) 15:39 (A9) | 06:21 17:52 | 14:39 (A9) 15:38 (A9) | 06:31 19:25 | 05:48 19:56 | 06:07 (A10) 06:33 (A10) | 05:25 20:22 | 06:00 (A10) 19:43 (A8) |
| 8 | 07:18 16:45 | 06:58 17:21 | 14:33 (A9) 15:40 (A9) | 06:19 17:53 | 14:40 (A9) 15:36 (A9) | 06:29 19:26 | 05:47 19:57 | 06:06 (A10) 06:34 (A10) | 05:25 20:23 | 05:59 (A10) 19:42 (A8) |
| 9 | 07:18 16:46 | 06:57 17:22 | 14:31 (A9) 15:40 (A9) | 06:18 17:54 | 14:41 (A9) 15:34 (A9) | 06:27 19:27 | 05:46 19:58 | 06:05 (A10) 06:35 (A10) | 05:25 20:23 | 06:00 (A10) 19:42 (A8) |
| 10 | 07:18 16:47 | 06:56 17:23 | 14:31 (A9) 15:41 (A9) | 06:16 17:55 | 14:43 (A9) 15:33 (A9) | 06:26 19:28 | 05:45 19:59 | 06:04 (A10) 06:36 (A10) | 05:24 20:24 | 06:00 (A10) 19:42 (A8) |
| 11 | 07:18 16:48 | 06:55 17:24 | 14:31 (A9) 15:42 (A9) | 06:15 17:56 | 14:45 (A9) 15:31 (A9) | 06:24 19:29 | 05:44 20:00 | 06:03 (A10) 06:37 (A10) | 05:24 20:25 | 06:01 (A10) 19:42 (A8) |
| 12 | 07:17 16:49 | 06:53 17:25 | 14:31 (A9) 15:43 (A9) | 06:13 17:57 | 14:46 (A9) 15:29 (A9) | 06:23 19:30 | 05:42 20:01 | 06:02 (A10) 06:38 (A10) | 05:24 20:25 | 06:01 (A10) 19:42 (A8) |
| 13 | 07:17 16:50 | 06:52 17:27 | 14:29 (A9) 15:42 (A9) | 06:11 17:59 | 14:49 (A9) 15:27 (A9) | 06:21 19:31 | 05:41 20:02 | 06:01 (A10) 19:33 (A8) | 05:24 20:26 | 06:01 (A10) 19:42 (A8) |
| 14 | 07:17 16:51 | 06:51 17:28 | 14:29 (A9) 15:43 (A9) | 06:10 18:00 | 14:52 (A9) 15:24 (A9) | 06:20 19:32 | 05:40 20:03 | 06:00 (A10) 19:35 (A8) | 05:24 20:26 | 06:02 (A10) 19:42 (A8) |
| 15 | 07:16 16:52 | 06:50 17:29 | 14:29 (A9) 15:44 (A9) | 06:08 18:01 | 14:56 (A9) 15:22 (A9) | 06:18 19:33 | 05:39 20:03 | 05:59 (A10) 19:36 (A8) | 05:24 20:26 | 06:02 (A10) 19:42 (A8) |
| 16 | 07:16 16:53 | 06:48 17:30 | 14:30 (A9) 15:44 (A9) | 06:06 18:02 | 15:01 (A9) 15:17 (A9) | 06:17 19:34 | 05:38 20:04 | 05:59 (A10) 19:38 (A8) | 05:24 20:27 | 06:02 (A10) 19:42 (A8) |
| 17 | 07:16 16:54 | 06:47 17:31 | 14:29 (A9) 15:44 (A9) | 06:05 18:03 | 15:17 (A9) 15:35 (A9) | 19:34 19:35 | 05:38 20:05 | 05:58 (A10) 19:39 (A8) | 05:24 20:27 | 06:02 (A10) 19:42 (A8) |
| 18 | 07:15 16:55 | 06:46 17:33 | 14:29 (A9) 15:45 (A9) | 06:03 18:04 | 15:35 (A9) 15:42 (A9) | 19:36 19:37 | 05:37 20:06 | 05:57 (A10) 19:39 (A8) | 05:24 20:28 | 06:02 (A10) 19:42 (A8) |
| 19 | 07:15 16:56 | 06:44 17:34 | 14:28 (A9) 15:44 (A9) | 06:02 18:05 | 15:42 (A9) 15:49 (A9) | 19:36 19:37 | 05:36 20:07 | 05:57 (A10) 19:40 (A8) | 05:24 20:28 | 06:03 (A10) 19:42 (A8) |
| 20 | 07:14 16:58 | 06:43 17:35 | 14:29 (A9) 15:45 (A9) | 06:00 18:06 | 15:49 (A9) 15:56 (A9) | 19:38 19:39 | 05:35 20:08 | 05:56 (A10) 19:40 (A8) | 05:24 20:28 | 06:03 (A10) 19:42 (A8) |
| 21 | 07:14 16:59 | 06:42 17:36 | 14:29 (A9) 15:45 (A9) | 05:58 18:07 | 15:56 (A9) 15:57 (A9) | 19:39 19:40 | 05:34 20:09 | 05:57 (A10) 19:41 (A8) | 05:24 20:28 | 06:04 (A10) 19:43 (A8) |
| 22 | 07:13 17:00 | 06:40 17:37 | 14:29 (A9) 15:44 (A9) | 05:57 18:08 | 15:57 (A9) 15:58 (A9) | 19:40 19:41 | 05:33 20:10 | 05:57 (A10) 19:41 (A8) | 05:25 20:29 | 06:04 (A10) 19:43 (A8) |
| 23 | 07:12 17:01 | 14:55 (A9) 15:11 (A9) | 06:39 17:38 | 05:55 18:09 | 15:58 (A9) 15:59 (A9) | 19:41 19:42 | 05:33 20:11 | 05:56 (A10) 19:41 (A8) | 05:25 20:29 | 06:04 (A10) 19:43 (A8) |
| 24 | 07:12 17:02 | 14:51 (A9) 15:15 (A9) | 06:37 17:40 | 05:53 18:10 | 15:59 (A9) 15:59 (A9) | 19:42 19:43 | 05:32 20:12 | 05:56 (A10) 19:41 (A8) | 05:25 20:29 | 06:03 (A10) 19:43 (A8) |
| 25 | 07:11 17:03 | 14:48 (A9) 15:18 (A9) | 06:36 17:41 | 05:52 18:11 | 15:59 (A9) 15:59 (A9) | 19:43 19:44 | 05:31 20:13 | 05:57 (A10) 19:42 (A8) | 05:25 20:29 | 06:04 (A10) 19:44 (A8) |
| 26 | 07:10 17:05 | 14:46 (A9) 15:20 (A9) | 06:35 17:42 | 05:50 18:12 | 15:59 (A9) 15:59 (A9) | 19:44 19:45 | 05:30 20:13 | 05:56 (A10) 19:42 (A8) | 05:26 20:29 | 06:04 (A10) 19:44 (A8) |
| 27 | 07:10 17:06 | 14:45 (A9) 15:23 (A9) | 06:33 17:43 | 05:48 18:13 | 15:59 (A9) 15:59 (A9) | 19:45 19:46 | 05:30 20:14 | 05:57 (A10) 19:43 (A8) | 05:26 20:29 | 06:04 (A10) 19:44 (A8) |
| 28 | 07:09 17:07 | 14:43 (A9) 15:25 (A9) | 06:32 17:44 | 05:47 18:14 | 15:59 (A9) 15:59 (A9) | 19:46 19:47 | 05:29 20:15 | 05:57 (A10) 19:42 (A8) | 05:26 20:29 | 06:05 (A10) 19:45 (A8) |
| 29 | 07:08 17:08 | 14:42 (A9) 15:27 (A9) | | 06:45 19:15 | 15:59 (A9) 15:59 (A9) | 19:47 19:48 | 05:29 20:16 | 05:57 (A10) 19:43 (A8) | 05:27 20:29 | 06:04 (A10) 19:45 (A8) |
| 30 | 07:07 17:10 | 14:40 (A9) 15:29 (A9) | | 06:44 19:16 | 15:59 (A9) 15:59 (A9) | 19:48 19:49 | 05:28 20:17 | 05:57 (A10) 19:42 (A8) | 05:27 20:29 | 06:05 (A10) 19:46 (A8) |
| 31 | 07:06 17:11 | 14:39 (A9) 15:30 (A9) | | 06:42 19:17 | 15:59 (A9) 15:59 (A9) | 19:49 19:50 | 05:28 20:17 | 05:58 (A10) 19:43 (A8) | 05:27 20:29 | 06:05 (A10) 19:46 (A8) |
| Ore potenziali eliofanìa | 299 | 298 | 370 | 398 | 447 | 450 | | | | |
| Totale, caso peggiore | 329 | 1961 | 815 | 398 | 1499 | 1869 | | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: D7 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (17)
Assunzioni sui calcoli d'ombra

- I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
- Il sole splende tutto il di, dall'alba al tramonto
- Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
- La turbina è costantemente operativa

| | Luglio | | Agosto | | Settembre | | Ottobre | | Novembre | | Dicembre | |
|--------------------------|--------|---------------|--------|----------------|-----------|---------------|---------|---------------|----------|---------------|----------|--|
| 1 | 05:28 | 06:05 (A10) | 05:51 | 06:13 (A10) | 06:21 | | 06:50 | 15:27 (A9) | 06:24 | 14:01 (A9) | 06:58 | |
| | 20:29 | 63 19:46 (A8) | 20:11 | 35 06:48 (A10) | 19:28 | | 18:39 | 41 16:08 (A9) | 16:53 | 70 15:11 (A9) | 16:29 | |
| 2 | 05:28 | 06:05 (A10) | 05:52 | 06:14 (A10) | 06:22 | | 06:51 | 15:24 (A9) | 06:25 | 14:01 (A9) | 06:59 | |
| | 20:29 | 63 19:47 (A8) | 20:10 | 34 06:48 (A10) | 19:27 | | 18:37 | 45 16:09 (A9) | 16:52 | 69 15:10 (A9) | 16:29 | |
| 3 | 05:29 | 06:05 (A10) | 05:53 | 06:15 (A10) | 06:23 | | 06:52 | 15:22 (A9) | 06:26 | 14:02 (A9) | 07:00 | |
| | 20:29 | 64 19:47 (A8) | 20:08 | 32 06:47 (A10) | 19:25 | | 18:35 | 48 16:10 (A9) | 16:50 | 67 15:09 (A9) | 16:29 | |
| 4 | 05:29 | 06:05 (A10) | 05:54 | 06:16 (A10) | 06:24 | | 06:53 | 15:19 (A9) | 06:27 | 14:03 (A9) | 07:01 | |
| | 20:29 | 65 19:48 (A8) | 20:07 | 30 06:46 (A10) | 19:24 | | 18:34 | 52 16:11 (A9) | 16:49 | 66 15:09 (A9) | 16:29 | |
| 5 | 05:30 | 06:05 (A10) | 05:55 | 06:17 (A10) | 06:25 | | 06:54 | 15:17 (A9) | 06:28 | 14:04 (A9) | 07:02 | |
| | 20:28 | 66 19:48 (A8) | 20:06 | 27 06:44 (A10) | 19:22 | | 18:32 | 55 16:12 (A9) | 16:48 | 64 15:08 (A9) | 16:28 | |
| 6 | 05:30 | 06:05 (A10) | 05:56 | 06:18 (A10) | 06:26 | | 06:55 | 15:15 (A9) | 06:29 | 14:04 (A9) | 07:03 | |
| | 20:28 | 67 19:48 (A8) | 20:05 | 25 06:43 (A10) | 19:20 | | 18:31 | 58 16:13 (A9) | 16:47 | 62 15:06 (A9) | 16:28 | |
| 7 | 05:31 | 06:05 (A10) | 05:57 | 06:18 (A10) | 06:27 | | 06:56 | 15:13 (A9) | 06:31 | 14:05 (A9) | 07:04 | |
| | 20:28 | 66 19:48 (A8) | 20:04 | 22 06:40 (A10) | 19:19 | | 18:29 | 60 16:13 (A9) | 16:46 | 60 15:05 (A9) | 16:28 | |
| 8 | 05:32 | 06:05 (A10) | 05:58 | 06:20 (A10) | 06:28 | | 06:57 | 15:11 (A9) | 06:32 | 14:07 (A9) | 07:04 | |
| | 20:28 | 68 19:49 (A8) | 20:03 | 17 06:37 (A10) | 19:17 | | 18:27 | 63 16:14 (A9) | 16:45 | 58 15:05 (A9) | 16:28 | |
| 9 | 05:32 | 06:06 (A10) | 05:59 | 06:24 (A10) | 06:29 | | 06:58 | 15:10 (A9) | 06:33 | 14:08 (A9) | 07:05 | |
| | 20:27 | 69 19:50 (A8) | 20:01 | 10 06:34 (A10) | 19:15 | | 18:26 | 64 16:14 (A9) | 16:44 | 56 15:04 (A9) | 16:28 | |
| 10 | 05:33 | 06:05 (A10) | 06:00 | | 06:30 | | 06:59 | 15:08 (A9) | 06:34 | 14:09 (A9) | 07:06 | |
| | 20:27 | 70 19:50 (A8) | 20:00 | | 19:14 | | 18:24 | 67 16:15 (A9) | 16:43 | 53 15:02 (A9) | 16:28 | |
| 11 | 05:34 | 06:06 (A10) | 06:01 | | 06:31 | | 07:00 | 15:07 (A9) | 06:35 | 14:10 (A9) | 07:07 | |
| | 20:26 | 69 19:50 (A8) | 19:59 | | 19:12 | | 18:23 | 68 16:15 (A9) | 16:42 | 51 15:01 (A9) | 16:28 | |
| 12 | 05:34 | 06:06 (A10) | 06:02 | | 06:32 | | 07:01 | 15:07 (A9) | 06:36 | 14:12 (A9) | 07:08 | |
| | 20:26 | 70 19:51 (A8) | 19:58 | | 19:10 | | 18:21 | 69 16:16 (A9) | 16:41 | 48 15:00 (A9) | 16:28 | |
| 13 | 05:35 | 06:05 (A10) | 06:03 | | 06:33 | | 07:03 | 15:05 (A9) | 06:38 | 14:14 (A9) | 07:09 | |
| | 20:26 | 71 19:50 (A8) | 19:56 | | 19:09 | | 18:19 | 71 16:16 (A9) | 16:40 | 45 14:59 (A9) | 16:28 | |
| 14 | 05:36 | 06:06 (A10) | 06:04 | | 06:34 | | 07:04 | 15:04 (A9) | 06:39 | 14:15 (A9) | 07:09 | |
| | 20:25 | 70 19:51 (A8) | 19:55 | | 19:07 | | 18:18 | 72 16:16 (A9) | 16:39 | 42 14:57 (A9) | 16:29 | |
| 15 | 05:36 | 06:06 (A10) | 06:05 | | 06:35 | | 07:05 | 15:03 (A9) | 06:40 | 14:17 (A9) | 07:10 | |
| | 20:24 | 71 19:51 (A8) | 19:54 | | 19:05 | | 18:16 | 73 16:16 (A9) | 16:38 | 38 14:55 (A9) | 16:29 | |
| 16 | 05:37 | 06:06 (A10) | 06:06 | | 06:36 | | 07:06 | 15:02 (A9) | 06:41 | 14:20 (A9) | 07:11 | |
| | 20:24 | 72 19:52 (A8) | 19:52 | | 19:04 | | 18:15 | 74 16:16 (A9) | 16:38 | 34 14:54 (A9) | 16:29 | |
| 17 | 05:38 | 06:06 (A10) | 06:07 | | 06:36 | | 07:07 | 15:01 (A9) | 06:42 | 14:22 (A9) | 07:12 | |
| | 20:23 | 71 19:51 (A8) | 19:51 | | 19:02 | | 18:13 | 75 16:16 (A9) | 16:37 | 30 14:52 (A9) | 16:29 | |
| 18 | 05:39 | 06:06 (A10) | 06:08 | | 06:37 | | 07:08 | 15:01 (A9) | 06:43 | 14:25 (A9) | 07:12 | |
| | 20:23 | 71 19:51 (A8) | 19:49 | | 19:00 | | 18:12 | 75 16:16 (A9) | 16:36 | 24 14:49 (A9) | 16:30 | |
| 19 | 05:40 | 06:06 (A10) | 06:08 | | 06:38 | | 07:09 | 15:00 (A9) | 06:44 | 14:29 (A9) | 07:13 | |
| | 20:22 | 72 19:52 (A8) | 19:48 | | 18:59 | | 18:10 | 75 16:15 (A9) | 16:35 | 16 14:45 (A9) | 16:30 | |
| 20 | 05:40 | 06:07 (A10) | 06:09 | | 06:39 | | 07:10 | 15:00 (A9) | 06:46 | | 07:13 | |
| | 20:21 | 71 19:52 (A8) | 19:47 | | 18:57 | | 18:09 | 76 16:16 (A9) | 16:35 | | 16:31 | |
| 21 | 05:41 | 06:06 (A10) | 06:10 | | 06:40 | | 07:11 | 15:00 (A9) | 06:47 | | 07:14 | |
| | 20:21 | 71 19:51 (A8) | 19:45 | | 18:55 | | 18:07 | 76 16:16 (A9) | 16:34 | | 16:31 | |
| 22 | 05:42 | 06:06 (A10) | 06:11 | | 06:41 | | 07:12 | 14:59 (A9) | 06:48 | | 07:15 | |
| | 20:20 | 71 19:51 (A8) | 19:44 | | 18:54 | | 18:06 | 76 16:15 (A9) | 16:33 | | 16:32 | |
| 23 | 05:43 | 06:07 (A10) | 06:12 | | 06:42 | | 07:13 | 14:59 (A9) | 06:49 | | 07:15 | |
| | 20:19 | 69 19:51 (A8) | 19:42 | | 18:52 | | 18:05 | 76 16:15 (A9) | 16:33 | | 16:32 | |
| 24 | 05:44 | 06:07 (A10) | 06:13 | | 06:43 | | 07:14 | 14:59 (A9) | 06:50 | | 07:15 | |
| | 20:18 | 68 19:51 (A8) | 19:41 | | 18:50 | | 18:03 | 75 16:14 (A9) | 16:32 | | 16:33 | |
| 25 | 05:45 | 06:08 (A10) | 06:14 | | 06:44 | | 06:16 | 13:58 (A9) | 06:51 | | 07:16 | |
| | 20:17 | 66 19:50 (A8) | 19:39 | | 18:49 | | 17:02 | 76 15:14 (A9) | 16:32 | | 16:33 | |
| 26 | 05:46 | 06:08 (A10) | 06:15 | | 06:45 | | 06:17 | 13:59 (A9) | 06:52 | | 07:16 | |
| | 20:16 | 65 19:50 (A8) | 19:38 | | 18:47 | | 17:01 | 75 15:14 (A9) | 16:31 | | 16:34 | |
| 27 | 05:47 | 06:09 (A10) | 06:16 | | 06:46 | | 06:18 | 13:59 (A9) | 06:53 | | 07:17 | |
| | 20:16 | 62 19:49 (A8) | 19:36 | | 18:45 | 15:45 (A9) | 16:59 | 74 15:13 (A9) | 16:31 | | 16:34 | |
| 28 | 05:47 | 06:09 (A10) | 06:17 | | 06:47 | 15:55 (A9) | 06:19 | 13:59 (A9) | 06:55 | | 07:17 | |
| | 20:15 | 58 19:47 (A8) | 19:35 | | 18:44 | 23 16:01 (A9) | 16:58 | 74 15:13 (A9) | 16:30 | | 16:35 | |
| 29 | 05:48 | 06:10 (A10) | 06:18 | | 06:48 | 15:34 (A9) | 06:20 | 13:59 (A9) | 06:56 | | 07:17 | |
| | 20:14 | 55 19:46 (A8) | 19:33 | | 18:42 | 30 16:04 (A9) | 16:57 | 73 15:12 (A9) | 16:30 | | 16:36 | |
| 30 | 05:49 | 06:11 (A10) | 06:19 | | 06:49 | 15:30 (A9) | 06:21 | 13:59 (A9) | 06:57 | | 07:18 | |
| | 20:13 | 51 19:45 (A8) | 19:32 | | 18:40 | 36 16:06 (A9) | 16:55 | 72 15:11 (A9) | 16:29 | | 16:37 | |
| 31 | 05:50 | 06:12 (A10) | 06:20 | | | | 06:22 | 14:01 (A9) | | | 07:18 | |
| | 20:12 | 43 19:42 (A8) | 19:30 | | | | 16:54 | 70 15:11 (A9) | | | 16:37 | |
| Ore potenziali eliofanìa | 457 | | 427 | | 375 | | 346 | | 299 | | 290 | |
| Totale, caso peggiore | 2048 | | 232 | | 99 | | 2098 | | 953 | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm)Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R1 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (1)
Assunzioni sui calcoli d'ombra

- I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
- Il sole splende tutto il di, dall'alba al tramonto
- Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
- La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | | Maggio | | Giugno |
|--------------------------|----------------|----------------|----------------|----------------|----|---------------------|----|---------------------|
| 1 | 07:18 16:38 | 07:05 17:12 | 06:30 17:45 | 06:40 19:19 | 8 | 06:59 (A6) 19:50 | | 06:23 (A6) 20:19 |
| 2 | 07:18 16:39 | 07:05 17:13 | 06:29 17:47 | 06:39 19:20 | 15 | 06:57 (A6) 19:51 | 62 | 06:22 (A6) 20:19 |
| 3 | 07:19 16:40 | 07:04 17:15 | 06:27 17:48 | 06:37 19:21 | 20 | 06:55 (A6) 19:52 | 62 | 06:23 (A6) 20:20 |
| 4 | 07:19 16:41 | 07:03 17:16 | 06:26 17:49 | 06:36 19:22 | 24 | 06:54 (A6) 19:53 | 60 | 06:23 (A6) 20:21 |
| 5 | 07:19 16:42 | 07:02 17:17 | 06:24 17:50 | 06:34 19:23 | 28 | 06:52 (A6) 19:54 | 58 | 06:24 (A6) 20:21 |
| 6 | 07:19 16:43 | 07:01 17:18 | 06:23 17:51 | 06:32 19:24 | 31 | 06:51 (A6) 19:55 | 58 | 06:24 (A6) 20:22 |
| 7 | 07:19 16:44 | 06:59 17:19 | 06:21 17:52 | 06:31 19:25 | 34 | 06:49 (A6) 19:56 | 56 | 06:25 (A6) 20:23 |
| 8 | 07:18 16:45 | 06:58 17:21 | 06:20 17:53 | 06:29 19:26 | 37 | 06:47 (A6) 19:57 | 54 | 06:25 (A6) 20:23 |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | 06:28 19:27 | 39 | 06:46 (A6) 19:58 | 52 | 06:26 (A6) 20:24 |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | 06:26 19:28 | 41 | 06:44 (A6) 19:59 | 51 | 06:26 (A6) 20:24 |
| 11 | 07:18 16:48 | 06:55 17:24 | 06:15 17:57 | 06:24 19:29 | 44 | 06:43 (A6) 20:00 | 49 | 06:27 (A6) 20:25 |
| 12 | 07:18 16:49 | 06:54 17:26 | 06:13 17:58 | 06:23 19:30 | 46 | 06:41 (A6) 20:01 | 47 | 06:28 (A6) 20:25 |
| 13 | 07:17 16:50 | 06:52 17:27 | 06:12 17:59 | 06:21 19:31 | 48 | 06:40 (A6) 20:02 | 45 | 06:29 (A6) 20:26 |
| 14 | 07:17 16:51 | 06:51 17:28 | 06:10 18:00 | 06:20 19:32 | 50 | 06:38 (A6) 20:03 | 43 | 06:30 (A6) 20:26 |
| 15 | 07:17 16:52 | 06:50 17:29 | 06:08 18:01 | 06:18 19:33 | 52 | 06:37 (A6) 20:04 | 41 | 06:32 (A6) 20:27 |
| 16 | 07:16 16:53 | 06:49 17:30 | 06:07 18:02 | 06:17 19:34 | 53 | 06:35 (A6) 20:05 | 39 | 06:33 (A6) 20:27 |
| 17 | 07:16 16:54 | 06:47 17:32 | 06:05 18:03 | 06:15 19:35 | 55 | 06:34 (A6) 20:06 | 35 | 06:35 (A6) 20:27 |
| 18 | 07:15 16:55 | 06:46 17:33 | 06:03 18:04 | 06:14 19:36 | 56 | 06:32 (A6) 20:07 | 32 | 06:36 (A6) 20:28 |
| 19 | 07:15 16:57 | 06:45 17:34 | 06:02 18:05 | 06:12 19:37 | 58 | 06:31 (A6) 20:08 | 30 | 06:37 (A6) 20:28 |
| 20 | 07:14 16:58 | 06:43 17:35 | 06:00 18:06 | 06:11 19:38 | 59 | 06:29 (A6) 20:08 | 26 | 06:39 (A6) 20:28 |
| 21 | 07:14 16:59 | 06:42 17:36 | 05:59 18:07 | 06:09 19:39 | 61 | 06:28 (A6) 20:09 | 21 | 06:42 (A6) 20:29 |
| 22 | 07:13 17:00 | 06:41 17:37 | 05:57 18:08 | 06:08 19:40 | 62 | 06:26 (A6) 20:10 | 16 | 06:44 (A6) 20:29 |
| 23 | 07:13 17:01 | 06:39 17:39 | 05:55 18:09 | 06:06 19:41 | 63 | 06:25 (A6) 20:11 | 8 | 06:48 (A6) 20:29 |
| 24 | 07:12 17:02 | 06:38 17:40 | 05:54 18:10 | 06:05 19:42 | 64 | 06:24 (A6) 20:12 | | 06:56 (A6) 20:29 |
| 25 | 07:11 17:04 | 06:36 17:41 | 05:52 18:11 | 06:04 19:43 | 65 | 06:22 (A6) 20:13 | | 20:29 |
| 26 | 07:11 17:05 | 06:35 17:42 | 05:50 18:12 | 06:02 19:45 | 65 | 06:22 (A6) 20:14 | | 20:29 |
| 27 | 07:10 17:06 | 06:33 17:43 | 05:49 18:13 | 06:01 19:46 | 65 | 06:22 (A6) 20:15 | | 20:29 |
| 28 | 07:09 17:07 | 06:32 17:44 | 05:47 18:14 | 05:59 19:47 | 65 | 06:21 (A6) 20:15 | | 20:29 |
| 29 | 07:08 17:08 | | 06:45 19:16 | 05:58 19:48 | 64 | 06:22 (A6) 20:16 | | 20:29 |
| 30 | 07:07 17:10 | | 06:44 19:17 | 05:57 19:49 | 63 | 06:22 (A6) 20:17 | | 20:29 |
| 31 | 07:06 17:11 | | 06:42 19:18 | | | 05:28 20:18 | | |
| Ore potenziali eliofania | 299 | 298 | 370 | 398 | | 447 | | 450 |
| Totale, caso peggiore | | | | 1435 | | 1005 | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R1 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (1)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre | | |
|--------------------------|--------|---------------|---------------|---------------|---------------|----------|-------|-------|
| 1 | 05:28 | 05:51 | 06:38 (A6) | 06:21 | 06:42 (A6) | 06:50 | 06:24 | 06:58 |
| | 20:29 | 20:11 | 48 07:26 (A6) | 19:29 | 44 07:26 (A6) | 18:39 | 16:53 | 16:29 |
| 2 | 05:28 | 05:52 | 06:38 (A6) | 06:22 | 06:43 (A6) | 06:51 | 06:25 | 06:59 |
| | 20:29 | 20:10 | 49 07:27 (A6) | 19:27 | 41 07:24 (A6) | 18:37 | 16:52 | 16:29 |
| 3 | 05:29 | 05:53 | 06:37 (A6) | 06:23 | 06:44 (A6) | 06:52 | 06:26 | 07:00 |
| | 20:29 | 20:09 | 51 07:28 (A6) | 19:25 | 39 07:23 (A6) | 18:36 | 16:51 | 16:29 |
| 4 | 05:29 | 05:54 | 06:36 (A6) | 06:24 | 06:45 (A6) | 06:53 | 06:27 | 07:01 |
| | 20:29 | 20:08 | 53 07:29 (A6) | 19:24 | 37 07:22 (A6) | 18:34 | 16:49 | 16:29 |
| 5 | 05:30 | 05:55 | 06:35 (A6) | 06:25 | 06:46 (A6) | 06:54 | 06:28 | 07:02 |
| | 20:29 | 20:06 | 55 07:30 (A6) | 19:22 | 34 07:20 (A6) | 18:32 | 16:48 | 16:28 |
| 6 | 05:31 | 05:56 | 06:35 (A6) | 06:26 | 06:46 (A6) | 06:55 | 06:30 | 07:03 |
| | 20:28 | 20:05 | 56 07:31 (A6) | 19:21 | 31 07:17 (A6) | 18:31 | 16:47 | 16:28 |
| 7 | 05:31 | 05:57 | 06:34 (A6) | 06:27 | 06:47 (A6) | 06:57 | 06:31 | 07:04 |
| | 20:28 | 20:04 | 57 07:31 (A6) | 19:19 | 28 07:15 (A6) | 18:29 | 16:46 | 16:28 |
| 8 | 05:32 | 05:58 | 06:33 (A6) | 06:28 | 06:48 (A6) | 06:58 | 06:32 | 07:05 |
| | 20:28 | 20:03 | 59 07:32 (A6) | 19:17 | 24 07:12 (A6) | 18:27 | 16:45 | 16:28 |
| 9 | 05:32 | 05:59 | 06:33 (A6) | 06:29 | 06:49 (A6) | 06:59 | 06:33 | 07:06 |
| | 20:28 | 20:02 | 60 07:33 (A6) | 19:16 | 20 07:09 (A6) | 18:26 | 16:44 | 16:28 |
| 10 | 05:33 | 06:00 | 06:31 (A6) | 06:30 | 06:50 (A6) | 07:00 | 06:34 | 07:07 |
| | 20:27 | 20:00 | 61 07:32 (A6) | 19:14 | 16 07:06 (A6) | 18:24 | 16:43 | 16:28 |
| 11 | 05:34 | 06:01 | 06:31 (A6) | 06:31 | 06:51 (A6) | 07:01 | 06:35 | 07:07 |
| | 20:27 | 19:59 | 62 07:33 (A6) | 19:12 | 9 07:00 (A6) | 18:23 | 16:42 | 16:28 |
| 12 | 05:34 | 06:02 | 06:30 (A6) | 06:32 | | 07:02 | 06:37 | 07:08 |
| | 20:26 | 19:58 | 63 07:33 (A6) | 19:11 | | 18:21 | 16:41 | 16:28 |
| 13 | 05:35 | 06:03 | 06:30 (A6) | 06:33 | | 07:03 | 06:38 | 07:09 |
| | 20:26 | 19:57 | 63 07:33 (A6) | 19:09 | | 18:20 | 16:40 | 16:29 |
| 14 | 05:36 | 06:04 | 06:29 (A6) | 06:34 | | 07:04 | 06:39 | 07:10 |
| | 20:25 | 19:55 | 65 07:34 (A6) | 19:07 | | 18:18 | 16:39 | 16:29 |
| 15 | 05:37 | 06:05 | 06:29 (A6) | 06:35 | | 07:05 | 06:40 | 07:10 |
| | 20:25 | 19:54 | 65 07:34 (A6) | 19:06 | | 18:17 | 16:38 | 16:29 |
| 16 | 05:37 | 06:06 | 06:29 (A6) | 06:36 | | 07:06 | 06:41 | 07:11 |
| | 20:24 | 19:53 | 65 07:34 (A6) | 19:04 | | 18:15 | 16:38 | 16:29 |
| 17 | 05:38 | 06:07 | 06:28 (A6) | 06:37 | | 07:07 | 06:42 | 07:12 |
| | 20:24 | 19:51 | 66 07:34 (A6) | 19:02 | | 18:14 | 16:37 | 16:30 |
| 18 | 05:39 | 06:08 | 06:29 (A6) | 06:38 | | 07:08 | 06:44 | 07:13 |
| | 20:23 | 19:50 | 65 07:34 (A6) | 19:01 | | 18:12 | 16:36 | 16:30 |
| 19 | 05:40 | 06:09 | 06:30 (A6) | 06:39 | | 07:09 | 06:45 | 07:13 |
| | 20:22 | 19:48 | 64 07:34 (A6) | 18:59 | | 18:11 | 16:35 | 16:30 |
| 20 | 05:41 | 06:10 | 06:31 (A6) | 06:40 | | 07:10 | 06:46 | 07:14 |
| | 20:22 | 19:47 | 63 07:34 (A6) | 18:57 | | 18:09 | 16:35 | 16:31 |
| 21 | 05:41 | 06:56 (A6) | 06:11 | 06:32 (A6) | 06:41 | 07:11 | 06:47 | 07:14 |
| | 20:21 | 13 07:09 (A6) | 19:45 | 62 07:34 (A6) | 18:56 | 18:08 | 16:34 | 16:31 |
| 22 | 05:42 | 06:52 (A6) | 06:12 | 06:33 (A6) | 06:42 | 07:12 | 06:48 | 07:15 |
| | 20:20 | 19 07:11 (A6) | 19:44 | 60 07:33 (A6) | 18:54 | 18:06 | 16:33 | 16:32 |
| 23 | 05:43 | 06:50 (A6) | 06:13 | 06:34 (A6) | 06:43 | 07:14 | 06:49 | 07:15 |
| | 20:19 | 24 07:14 (A6) | 19:42 | 59 07:33 (A6) | 18:52 | 18:05 | 16:33 | 16:32 |
| 24 | 05:44 | 06:49 (A6) | 06:14 | 06:34 (A6) | 06:43 | 07:15 | 06:50 | 07:16 |
| | 20:18 | 27 07:16 (A6) | 19:41 | 58 07:32 (A6) | 18:51 | 18:03 | 16:32 | 16:33 |
| 25 | 05:45 | 06:47 (A6) | 06:14 | 06:35 (A6) | 06:44 | 06:16 | 06:52 | 07:16 |
| | 20:18 | 31 07:18 (A6) | 19:39 | 56 07:31 (A6) | 18:49 | 17:02 | 16:32 | 16:33 |
| 26 | 05:46 | 06:46 (A6) | 06:15 | 06:36 (A6) | 06:45 | 06:17 | 06:53 | 07:17 |
| | 20:17 | 34 07:20 (A6) | 19:38 | 55 07:31 (A6) | 18:47 | 17:01 | 16:31 | 16:34 |
| 27 | 05:47 | 06:45 (A6) | 06:16 | 06:37 (A6) | 06:46 | 06:18 | 06:54 | 07:17 |
| | 20:16 | 36 07:21 (A6) | 19:36 | 53 07:30 (A6) | 18:45 | 16:59 | 16:31 | 16:35 |
| 28 | 05:48 | 06:43 (A6) | 06:17 | 06:38 (A6) | 06:47 | 06:19 | 06:55 | 07:17 |
| | 20:15 | 40 07:23 (A6) | 19:35 | 51 07:29 (A6) | 18:44 | 16:58 | 16:30 | 16:35 |
| 29 | 05:49 | 06:41 (A6) | 06:18 | 06:39 (A6) | 06:48 | 06:20 | 06:56 | 07:18 |
| | 20:14 | 42 07:23 (A6) | 19:33 | 50 07:29 (A6) | 18:42 | 16:57 | 16:30 | 16:36 |
| 30 | 05:49 | 06:40 (A6) | 06:19 | 06:40 (A6) | 06:49 | 06:21 | 06:57 | 07:18 |
| | 20:13 | 44 07:24 (A6) | 19:32 | 48 07:28 (A6) | 18:41 | 16:56 | 16:30 | 16:37 |
| 31 | 05:50 | 06:39 (A6) | 06:20 | 06:41 (A6) | | 06:23 | | 07:18 |
| | 20:12 | 46 07:25 (A6) | 19:30 | 46 07:27 (A6) | | 16:54 | | 16:37 |
| Ore potenziali eliofanìa | 457 | | | 375 | | 346 | 299 | 290 |
| Totale, caso peggiore | 356 | 427 | 1788 | 323 | | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
Tramonto (hh:mm)Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R10 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (10)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

- Il sole splende tutto il di, dall'alba al tramonto
- Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
- La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre | |
|--------------------------|----------------|----------------|----------------|----------------|--------------------------|----------------|----------------|----------------|----------------|---------------------|---------------------|----------------|----------------|
| 1 | 07:18 16:38 | 07:05 17:12 | 06:30 17:45 | 06:40 19:18 | 17:53 (A9) 18:29 (A9) | 05:55 19:49 | 05:27 20:18 | 05:28 20:29 | 05:51 20:11 | 06:21 19:28 | 17:50 (A9) 18:39 | 06:50 16:53 | 06:24 16:29 |
| 2 | 07:18 16:39 | 07:04 17:13 | 06:29 17:46 | 06:39 19:19 | 17:52 (A9) 18:29 (A9) | 05:54 19:50 | 05:27 20:19 | 05:28 20:29 | 05:52 20:10 | 06:22 19:27 | 17:49 (A9) 18:37 | 06:51 16:52 | 06:25 16:29 |
| 3 | 07:18 16:40 | 07:03 17:14 | 06:27 17:48 | 06:37 19:20 | 17:51 (A9) 18:28 (A9) | 05:53 19:51 | 05:26 20:20 | 05:29 20:29 | 05:53 20:08 | 06:23 19:25 | 17:47 (A9) 18:35 | 06:52 16:50 | 06:26 16:29 |
| 4 | 07:18 16:41 | 07:02 17:16 | 06:26 17:49 | 06:35 19:21 | 17:51 (A9) 18:29 (A9) | 05:52 19:52 | 05:26 20:20 | 05:29 20:29 | 05:54 20:07 | 06:24 19:24 | 17:47 (A9) 18:34 | 06:53 16:49 | 06:27 16:28 |
| 5 | 07:18 16:42 | 07:01 17:17 | 06:24 17:50 | 06:34 19:23 | 17:50 (A9) 18:28 (A9) | 05:50 19:53 | 05:26 20:21 | 05:30 20:28 | 05:55 20:06 | 06:25 19:22 | 17:46 (A9) 18:32 | 06:54 16:48 | 06:28 16:28 |
| 6 | 07:18 16:43 | 07:00 17:18 | 06:22 17:51 | 06:32 19:24 | 17:50 (A9) 18:28 (A9) | 05:49 19:54 | 05:25 20:22 | 05:30 20:28 | 05:56 20:05 | 06:26 19:20 | 17:46 (A9) 18:30 | 06:55 16:47 | 06:29 16:28 |
| 7 | 07:18 16:44 | 06:59 17:19 | 06:21 17:52 | 06:31 19:25 | 17:50 (A9) 18:28 (A9) | 05:48 19:56 | 05:25 20:22 | 05:31 20:28 | 05:57 20:04 | 06:27 19:19 | 17:45 (A9) 18:29 | 06:56 16:46 | 06:30 16:28 |
| 8 | 07:18 16:45 | 06:58 17:21 | 06:19 17:53 | 06:29 19:26 | 17:50 (A9) 18:27 (A9) | 05:47 19:57 | 05:25 20:23 | 05:32 20:28 | 05:58 20:03 | 06:28 19:17 | 17:45 (A9) 18:27 | 06:57 16:45 | 06:32 16:28 |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | 06:27 19:27 | 17:50 (A9) 18:27 (A9) | 05:46 19:58 | 05:24 20:23 | 05:32 20:27 | 05:59 20:01 | 06:29 19:15 | 17:45 (A9) 18:26 | 06:58 16:44 | 06:33 16:28 |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | 06:26 19:28 | 17:50 (A9) 18:26 (A9) | 05:45 19:59 | 05:24 20:24 | 05:33 20:27 | 06:00 20:00 | 06:30 19:14 | 17:45 (A9) 18:24 | 06:59 16:43 | 06:34 16:28 |
| 11 | 07:18 16:48 | 06:55 17:24 | 06:15 17:56 | 06:24 19:29 | 17:51 (A9) 18:26 (A9) | 05:43 20:00 | 05:24 20:25 | 05:34 20:26 | 06:01 19:59 | 06:31 19:12 | 17:45 (A9) 18:23 | 07:00 16:42 | 06:35 16:28 |
| 12 | 07:17 16:49 | 06:53 17:25 | 06:13 17:57 | 06:23 19:30 | 17:51 (A9) 18:24 (A9) | 05:42 20:01 | 05:24 20:25 | 05:34 20:26 | 06:02 19:58 | 06:32 19:10 | 17:46 (A9) 18:21 | 07:01 16:41 | 06:36 16:28 |
| 13 | 07:17 16:50 | 06:52 17:27 | 06:11 17:58 | 06:21 19:31 | 17:52 (A9) 18:22 (A9) | 05:41 20:01 | 05:24 20:26 | 05:35 20:25 | 06:03 19:56 | 06:33 19:09 | 17:46 (A9) 18:19 | 07:02 16:40 | 06:37 16:28 |
| 14 | 07:17 16:51 | 06:51 17:28 | 06:10 18:00 | 06:20 19:32 | 17:53 (A9) 18:22 (A9) | 05:40 20:02 | 05:24 20:26 | 05:36 20:25 | 06:04 19:55 | 06:34 19:07 | 17:47 (A9) 18:18 | 07:04 16:39 | 06:39 16:29 |
| 15 | 07:16 16:52 | 06:50 17:29 | 06:08 18:01 | 06:18 19:33 | 17:54 (A9) 18:19 (A9) | 05:39 20:03 | 05:24 20:26 | 05:36 20:24 | 06:05 19:54 | 06:35 19:05 | 17:48 (A9) 18:16 | 07:05 16:38 | 06:40 16:29 |
| 16 | 07:16 16:53 | 06:48 17:30 | 06:06 18:02 | 06:16 19:34 | 17:56 (A9) 18:18 (A9) | 05:38 20:04 | 05:24 20:27 | 05:37 20:24 | 06:06 19:52 | 06:36 19:04 | 17:49 (A9) 18:15 | 07:06 16:37 | 06:41 16:29 |
| 17 | 07:16 16:54 | 06:47 17:31 | 06:05 18:03 | 06:15 19:35 | 17:57 (A9) 18:15 (A9) | 05:38 20:05 | 05:24 20:27 | 05:38 20:23 | 06:07 19:51 | 06:36 19:02 | 17:50 (A9) 18:13 | 07:07 16:37 | 06:42 16:29 |
| 18 | 07:15 16:55 | 06:46 17:33 | 06:03 18:04 | 06:13 19:36 | 18:01 (A9) 18:12 (A9) | 05:37 20:06 | 05:24 20:27 | 05:39 20:23 | 06:07 19:49 | 06:37 19:00 | 17:53 (A9) 18:12 | 07:08 16:36 | 06:43 16:30 |
| 19 | 07:15 16:56 | 06:44 17:34 | 06:02 18:05 | 06:12 19:37 | 05:36 20:07 | 05:24 20:28 | 05:40 20:22 | 05:40 19:48 | 06:08 19:48 | 06:38 18:59 | 18:07 (A9) 18:10 | 07:09 16:35 | 06:44 16:30 |
| 20 | 07:14 16:58 | 06:43 17:35 | 06:00 18:06 | 06:11 19:38 | 05:35 20:08 | 05:24 20:28 | 05:40 20:21 | 06:09 19:47 | 06:09 18:57 | 06:39 18:57 | 18:11 (A9) 18:09 | 07:10 16:35 | 06:46 16:31 |
| 21 | 07:14 16:59 | 06:42 17:36 | 05:58 18:07 | 06:09 19:39 | 05:34 20:09 | 05:24 20:28 | 05:41 20:21 | 06:10 19:45 | 06:10 18:55 | 06:40 18:55 | 07:11 (A9) 18:07 | 06:47 16:34 | 07:14 16:31 |
| 22 | 07:13 17:00 | 06:40 17:37 | 05:57 18:08 | 06:08 19:40 | 05:33 20:10 | 05:25 20:29 | 05:42 20:20 | 06:11 19:44 | 06:11 18:54 | 06:41 18:52 | 07:12 (A9) 18:06 | 06:48 16:33 | 07:15 16:31 |
| 23 | 07:12 17:01 | 06:39 17:38 | 05:55 18:09 | 06:06 19:41 | 05:33 20:11 | 05:25 20:29 | 05:43 20:19 | 06:12 19:42 | 06:12 18:52 | 06:42 18:52 | 07:13 (A9) 18:05 | 06:49 16:33 | 07:15 16:32 |
| 24 | 07:12 17:02 | 06:37 17:40 | 05:53 18:10 | 06:05 19:42 | 05:32 20:12 | 05:25 20:29 | 05:44 20:18 | 06:13 19:41 | 06:13 18:50 | 06:43 18:50 | 07:14 (A9) 18:03 | 06:50 16:32 | 07:15 16:33 |
| 25 | 07:11 17:03 | 06:36 17:41 | 05:52 18:11 | 06:03 19:43 | 17:06 (A9) 17:19 (A9) | 05:31 19:43 | 05:25 20:17 | 05:45 19:39 | 06:14 18:39 | 06:44 18:16 (A9) | 18:03 (A9) 18:49 | 06:51 16:32 | 07:16 16:33 |
| 26 | 07:10 17:05 | 06:35 17:42 | 05:50 18:12 | 06:02 19:44 | 17:02 (A9) 17:22 (A9) | 05:30 19:44 | 05:26 20:13 | 05:46 20:16 | 06:15 19:38 | 06:45 18:18 (A9) | 18:00 (A9) 18:47 | 06:52 16:31 | 07:16 16:34 |
| 27 | 07:09 17:06 | 06:33 17:43 | 05:48 18:13 | 06:01 19:45 | 17:00 (A9) 17:24 (A9) | 06:01 19:45 | 05:30 20:14 | 05:47 20:16 | 06:16 19:36 | 06:46 18:20 (A9) | 17:57 (A9) 18:45 | 06:53 16:31 | 07:17 16:34 |
| 28 | 07:09 17:07 | 06:32 17:44 | 05:47 18:14 | 05:59 19:46 | 16:58 (A9) 17:25 (A9) | 05:59 19:46 | 05:26 20:15 | 05:47 20:15 | 06:17 19:35 | 06:47 18:21 (A9) | 17:56 (A9) 18:44 | 06:54 16:30 | 07:17 16:35 |
| 29 | 07:08 17:08 | 06:31 17:45 | 05:46 18:15 | 05:58 19:47 | 17:56 (A9) 18:26 (A9) | 05:58 19:47 | 05:25 20:16 | 05:48 20:14 | 06:18 19:33 | 06:48 18:23 (A9) | 17:54 (A9) 18:42 | 06:54 16:30 | 07:17 16:36 |
| 30 | 07:07 17:10 | 06:30 17:46 | 05:45 18:16 | 05:57 19:48 | 17:55 (A9) 18:27 (A9) | 05:57 19:48 | 05:25 20:17 | 05:49 20:13 | 06:19 19:31 | 06:49 18:23 (A9) | 17:53 (A9) 18:40 | 06:55 16:29 | 07:18 16:37 |
| 31 | 07:06 17:11 | 06:29 17:47 | 05:44 18:17 | 05:56 19:49 | 17:54 (A9) 18:28 (A9) | 05:56 19:49 | 05:26 20:18 | 05:47 20:12 | 06:16 19:30 | 06:46 18:24 (A9) | 17:55 (A9) 18:41 | 06:56 16:28 | 07:18 16:37 |
| Ore potenziali eliofanía | 299 | 298 | 370 | 398 | 447 | 450 | 457 | 427 | 171 | 375 | 593 | 346 | 299 |
| Totale, caso peggiore | | | 180 | 575 | | | | | | | | | 290 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R2 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (2)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | | Febbraio | | Marzo | | Aprile | | Maggio | | Giugno | |
|--------------------------|---------|----|------------|-------|------------|------------|--------|-------|--------|-------|--------|--|
| 1 | 07:18 | | 14:58 (A6) | 07:05 | 15:10 (A6) | 06:30 | 06:40 | 05:55 | 05:27 | | | |
| | 16:38 | 74 | 16:12 (A6) | 17:12 | 74 | 16:24 (A6) | 17:45 | 19:19 | 19:50 | 20:18 | | |
| 2 | 07:18 | | 14:59 (A6) | 07:05 | 15:11 (A6) | 06:29 | 06:39 | 05:54 | 05:27 | | | |
| | 16:39 | 75 | 16:14 (A6) | 17:13 | 73 | 16:24 (A6) | 17:47 | 19:20 | 19:51 | 20:19 | | |
| 3 | 07:19 | | 14:59 (A6) | 07:04 | 15:12 (A6) | 06:27 | 06:37 | 05:53 | 05:26 | | | |
| | 16:40 | 76 | 16:15 (A6) | 17:15 | 72 | 16:24 (A6) | 17:48 | 19:21 | 19:52 | 20:20 | | |
| 4 | 07:19 | | 15:00 (A6) | 07:03 | 15:13 (A6) | 06:26 | 06:36 | 05:52 | 05:26 | | | |
| | 16:41 | 76 | 16:16 (A6) | 17:16 | 70 | 16:23 (A6) | 17:49 | 19:22 | 19:53 | 20:21 | | |
| 5 | 07:19 | | 14:59 (A6) | 07:02 | 15:14 (A6) | 06:24 | 06:34 | 05:50 | 05:26 | | | |
| | 16:42 | 77 | 16:16 (A6) | 17:17 | 69 | 16:23 (A6) | 17:50 | 19:23 | 19:54 | 20:21 | | |
| 6 | 07:19 | | 15:00 (A6) | 07:00 | 15:15 (A6) | 06:23 | 06:32 | 05:49 | 05:25 | | | |
| | 16:43 | 77 | 16:17 (A6) | 17:18 | 67 | 16:22 (A6) | 17:51 | 19:24 | 19:55 | 20:22 | | |
| 7 | 07:19 | | 15:00 (A6) | 06:59 | 15:16 (A6) | 06:21 | 06:31 | 05:48 | 05:25 | | | |
| | 16:44 | 78 | 16:18 (A6) | 17:19 | 66 | 16:22 (A6) | 17:52 | 19:25 | 19:56 | 20:23 | | |
| 8 | 07:18 | | 15:00 (A6) | 06:58 | 15:17 (A6) | 06:19 | 06:29 | 05:47 | 05:25 | | | |
| | 16:45 | 79 | 16:19 (A6) | 17:21 | 64 | 16:21 (A6) | 17:53 | 19:26 | 19:57 | 20:23 | | |
| 9 | 07:18 | | 15:01 (A6) | 06:57 | 15:18 (A6) | 06:18 | 06:28 | 05:46 | 05:25 | | | |
| | 16:46 | 79 | 16:20 (A6) | 17:22 | 63 | 16:21 (A6) | 17:54 | 19:27 | 19:58 | 20:24 | | |
| 10 | 07:18 | | 15:02 (A6) | 06:56 | 15:19 (A6) | 06:16 | 06:26 | 05:45 | 05:24 | | | |
| | 16:47 | 78 | 16:20 (A6) | 17:23 | 60 | 16:19 (A6) | 17:55 | 19:28 | 19:59 | 20:24 | | |
| 11 | 07:18 | | 15:01 (A6) | 06:55 | 15:20 (A6) | 06:15 | 06:24 | 05:44 | 05:24 | | | |
| | 16:48 | 79 | 16:20 (A6) | 17:24 | 58 | 16:18 (A6) | 17:56 | 19:29 | 20:00 | 20:25 | | |
| 12 | 07:18 | | 15:02 (A6) | 06:54 | 15:22 (A6) | 06:13 | 06:23 | 05:43 | 05:24 | | | |
| | 16:49 | 79 | 16:21 (A6) | 17:26 | 55 | 16:17 (A6) | 17:58 | 19:30 | 20:01 | 20:25 | | |
| 13 | 07:17 | | 15:02 (A6) | 06:52 | 15:24 (A6) | 06:12 | 06:21 | 05:42 | 05:24 | | | |
| | 16:50 | 80 | 16:22 (A6) | 17:27 | 52 | 16:16 (A6) | 17:59 | 19:31 | 20:02 | 20:26 | | |
| 14 | 07:17 | | 15:02 (A6) | 06:51 | 15:25 (A6) | 06:10 | 06:20 | 05:41 | 05:24 | | | |
| | 16:51 | 80 | 16:22 (A6) | 17:28 | 49 | 16:14 (A6) | 18:00 | 19:32 | 20:03 | 20:26 | | |
| 15 | 07:17 | | 15:03 (A6) | 06:50 | 15:27 (A6) | 06:08 | 06:18 | 05:40 | 05:24 | | | |
| | 16:52 | 80 | 16:23 (A6) | 17:29 | 45 | 16:12 (A6) | 18:01 | 19:33 | 20:04 | 20:27 | | |
| 16 | 07:16 | | 15:03 (A6) | 06:49 | 15:30 (A6) | 06:07 | 06:17 | 05:39 | 05:24 | | | |
| | 16:53 | 79 | 16:22 (A6) | 17:30 | 41 | 16:11 (A6) | 18:02 | 19:34 | 20:05 | 20:27 | | |
| 17 | 07:16 | | 15:04 (A6) | 06:47 | 15:31 (A6) | 06:05 | 06:15 | 05:38 | 05:24 | | | |
| | 16:54 | 79 | 16:23 (A6) | 17:32 | 37 | 16:08 (A6) | 18:03 | 19:35 | 20:06 | 20:27 | | |
| 18 | 07:15 | | 15:03 (A6) | 06:46 | 15:35 (A6) | 06:03 | 06:14 | 05:37 | 05:24 | | | |
| | 16:55 | 80 | 16:23 (A6) | 17:33 | 30 | 16:05 (A6) | 18:04 | 19:36 | 20:07 | 20:28 | | |
| 19 | 07:15 | | 15:04 (A6) | 06:45 | 15:39 (A6) | 06:02 | 06:12 | 05:36 | 05:24 | | | |
| | 16:57 | 80 | 16:24 (A6) | 17:34 | 23 | 16:02 (A6) | 18:05 | 19:37 | 20:07 | 20:28 | | |
| 20 | 07:14 | | 15:04 (A6) | 06:43 | 15:44 (A6) | 06:00 | 06:11 | 05:35 | 05:24 | | | |
| | 16:58 | 80 | 16:24 (A6) | 17:35 | 11 | 15:55 (A6) | 18:06 | 19:38 | 20:08 | 20:28 | | |
| 21 | 07:14 | | 15:04 (A6) | 06:42 | | 05:58 | 06:09 | 05:34 | 05:25 | | | |
| | 16:59 | 80 | 16:24 (A6) | 17:36 | | 18:07 | 19:39 | 20:09 | 20:29 | | | |
| 22 | 07:13 | | 15:05 (A6) | 06:40 | | 05:57 | 06:08 | 05:33 | 05:25 | | | |
| | 17:00 | 80 | 16:25 (A6) | 17:37 | | 18:08 | 19:40 | 20:10 | 20:29 | | | |
| 23 | 07:13 | | 15:06 (A6) | 06:39 | | 05:55 | 06:06 | 05:33 | 05:25 | | | |
| | 17:01 | 79 | 16:25 (A6) | 17:39 | | 18:09 | 19:41 | 20:11 | 20:29 | | | |
| 24 | 07:12 | | 15:06 (A6) | 06:38 | | 05:54 | 06:05 | 05:32 | 05:25 | | | |
| | 17:02 | 79 | 16:25 (A6) | 17:40 | | 18:10 | 19:42 | 20:12 | 20:29 | | | |
| 25 | 07:11 | | 15:07 (A6) | 06:36 | | 05:52 | 06:03 | 05:31 | 05:25 | | | |
| | 17:04 | 79 | 16:26 (A6) | 17:41 | | 18:11 | 19:43 | 20:13 | 20:29 | | | |
| 26 | 07:11 | | 15:07 (A6) | 06:35 | | 05:50 | 06:02 | 05:31 | 05:26 | | | |
| | 17:05 | 79 | 16:26 (A6) | 17:42 | | 18:12 | 19:44 | 20:14 | 20:29 | | | |
| 27 | 07:10 | | 15:08 (A6) | 06:33 | | 05:49 | 06:01 | 05:30 | 05:26 | | | |
| | 17:06 | 77 | 16:25 (A6) | 17:43 | | 18:13 | 19:45 | 20:15 | 20:29 | | | |
| 28 | 07:09 | | 15:08 (A6) | 06:32 | | 05:47 | 05:59 | 05:29 | 05:27 | | | |
| | 17:07 | 77 | 16:25 (A6) | 17:44 | | 18:14 | 19:47 | 20:15 | 20:29 | | | |
| 29 | 07:08 | | 15:08 (A6) | | | 06:45 | 05:58 | 05:29 | 05:27 | | | |
| | 17:08 | 77 | 16:25 (A6) | | | 19:15 | 19:48 | 20:16 | 20:29 | | | |
| 30 | 07:07 | | 15:09 (A6) | | | 06:44 | 05:57 | 05:28 | 05:27 | | | |
| | 17:10 | 76 | 16:25 (A6) | | | 19:17 | 19:49 | 20:17 | 20:29 | | | |
| 31 | 07:06 | | 15:10 (A6) | | | 06:42 | | 05:28 | | | | |
| | 17:11 | 75 | 16:25 (A6) | | | 19:18 | | 20:18 | | | | |
| Ore potenziali eliofanìa | 299 | | 298 | | | 370 | 398 | 447 | 450 | | | |
| Totale, caso peggiore | 2423 | | 1079 | | | | | | | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R2 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (2)
Assunzioni sui calcoli d'ombra

- I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
- Il sole splende tutto il di, dall'alba al tramonto
- Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
- La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre | | | |
|--------------------------|--------|--------|-----------|---------|---------------|---------------|---------------|---------------|---------------|
| 1 | 05:28 | 05:51 | 06:21 | 06:50 | 06:24 | 14:48 (A6) | 06:58 | 14:43 (A6) | |
| | 20:29 | 20:11 | 19:29 | 18:39 | 16:53 | 61 15:49 (A6) | 16:29 | 79 16:02 (A6) | |
| 2 | 05:28 | 05:52 | 06:22 | 06:51 | 06:25 | 14:47 (A6) | 06:59 | 14:44 (A6) | |
| | 20:29 | 20:10 | 19:27 | 18:37 | 16:52 | 63 15:50 (A6) | 16:29 | 78 16:02 (A6) | |
| 3 | 05:29 | 05:53 | 06:23 | 06:52 | 06:26 | 14:47 (A6) | 07:00 | 14:44 (A6) | |
| | 20:29 | 20:09 | 19:25 | 18:36 | 16:51 | 64 15:51 (A6) | 16:29 | 79 16:03 (A6) | |
| 4 | 05:29 | 05:54 | 06:24 | 06:53 | 06:27 | 14:45 (A6) | 07:01 | 14:45 (A6) | |
| | 20:29 | 20:08 | 19:24 | 18:34 | 16:49 | 67 15:52 (A6) | 16:29 | 78 16:03 (A6) | |
| 5 | 05:30 | 05:55 | 06:25 | 06:54 | 06:28 | 14:44 (A6) | 07:02 | 14:45 (A6) | |
| | 20:29 | 20:06 | 19:22 | 18:32 | 16:48 | 68 15:52 (A6) | 16:28 | 78 16:03 (A6) | |
| 6 | 05:30 | 05:56 | 06:26 | 06:55 | 06:30 | 14:43 (A6) | 07:03 | 14:46 (A6) | |
| | 20:28 | 20:05 | 19:20 | 18:31 | 16:47 | 70 15:53 (A6) | 16:28 | 77 16:03 (A6) | |
| 7 | 05:31 | 05:57 | 06:27 | 06:56 | 06:31 | 14:43 (A6) | 07:04 | 14:46 (A6) | |
| | 20:28 | 20:04 | 19:19 | 18:29 | 16:46 | 71 15:54 (A6) | 16:28 | 77 16:03 (A6) | |
| 8 | 05:32 | 05:58 | 06:28 | 06:58 | 06:32 | 14:43 (A6) | 07:05 | 14:47 (A6) | |
| | 20:28 | 20:03 | 19:17 | 18:27 | 16:45 | 72 15:55 (A6) | 16:28 | 76 16:03 (A6) | |
| 9 | 05:32 | 05:59 | 06:29 | 06:59 | 06:33 | 14:42 (A6) | 07:06 | 14:47 (A6) | |
| | 20:27 | 20:02 | 19:16 | 18:26 | 16:44 | 73 15:55 (A6) | 16:28 | 76 16:03 (A6) | |
| 10 | 05:33 | 06:00 | 06:30 | 07:00 | 06:34 | 14:41 (A6) | 07:06 | 14:48 (A6) | |
| | 20:27 | 20:00 | 19:14 | 18:24 | 16:43 | 74 15:55 (A6) | 16:28 | 75 16:03 (A6) | |
| 11 | 05:34 | 06:01 | 06:31 | 07:01 | 06:35 | 14:41 (A6) | 07:07 | 14:49 (A6) | |
| | 20:27 | 19:59 | 19:12 | 18:23 | 16:42 | 76 15:57 (A6) | 16:28 | 74 16:03 (A6) | |
| 12 | 05:34 | 06:02 | 06:32 | 07:02 | 06:37 | 14:41 (A6) | 07:08 | 14:50 (A6) | |
| | 20:26 | 19:58 | 19:11 | 18:21 | 16:41 | 76 15:57 (A6) | 16:28 | 74 16:04 (A6) | |
| 13 | 05:35 | 06:03 | 06:33 | 07:03 | 06:38 | 14:40 (A6) | 07:09 | 14:49 (A6) | |
| | 20:26 | 19:57 | 19:09 | 18:20 | 16:40 | 77 15:57 (A6) | 16:29 | 74 16:03 (A6) | |
| 14 | 05:36 | 06:04 | 06:34 | 07:04 | 06:39 | 14:40 (A6) | 07:10 | 14:50 (A6) | |
| | 20:25 | 19:55 | 19:07 | 18:18 | 16:39 | 77 15:57 (A6) | 16:29 | 73 16:03 (A6) | |
| 15 | 05:37 | 06:05 | 06:35 | 07:05 | 06:40 | 14:41 (A6) | 07:10 | 14:51 (A6) | |
| | 20:25 | 19:54 | 19:06 | 18:16 | 16:38 | 77 15:58 (A6) | 16:29 | 73 16:04 (A6) | |
| 16 | 05:37 | 06:06 | 06:36 | 07:06 | 06:41 | 14:40 (A6) | 07:11 | 14:51 (A6) | |
| | 20:24 | 19:52 | 19:04 | 18:15 | 16:38 | 78 15:58 (A6) | 16:29 | 72 16:03 (A6) | |
| 17 | 05:38 | 06:07 | 06:37 | 07:07 | 06:42 | 14:40 (A6) | 07:12 | 14:52 (A6) | |
| | 20:24 | 19:51 | 19:02 | 18:13 | 16:37 | 79 15:59 (A6) | 16:30 | 72 16:04 (A6) | |
| 18 | 05:39 | 06:08 | 06:38 | 07:08 | 06:44 | 14:40 (A6) | 07:12 | 14:53 (A6) | |
| | 20:23 | 19:50 | 19:01 | 18:12 | 16:36 | 79 15:59 (A6) | 16:30 | 72 16:05 (A6) | |
| 19 | 05:40 | 06:09 | 06:39 | 07:09 | 06:45 | 14:40 (A6) | 07:13 | 14:52 (A6) | |
| | 20:22 | 19:48 | 18:59 | 18:11 | 16:35 | 79 15:59 (A6) | 16:30 | 72 16:04 (A6) | |
| 20 | 05:41 | 06:10 | 06:40 | 07:10 | 06:46 | 14:40 (A6) | 07:14 | 14:53 (A6) | |
| | 20:22 | 19:47 | 18:57 | 18:09 | 16:35 | 80 16:00 (A6) | 16:31 | 72 16:05 (A6) | |
| 21 | 05:41 | 06:11 | 06:41 | 07:11 | 06:47 | 14:40 (A6) | 07:14 | 14:53 (A6) | |
| | 20:21 | 19:45 | 18:55 | 18:08 | 16:34 | 80 16:00 (A6) | 16:31 | 72 16:05 (A6) | |
| 22 | 05:42 | 06:12 | 06:41 | 07:12 | 16:13 (A6) | 06:48 | 14:40 (A6) | 07:15 | 14:54 (A6) |
| | 20:20 | 19:44 | 18:54 | 18:06 | 15 16:28 (A6) | 16:33 | 80 16:00 (A6) | 16:32 | 72 16:06 (A6) |
| 23 | 05:43 | 06:12 | 06:42 | 07:14 | 16:07 (A6) | 06:49 | 14:40 (A6) | 07:15 | 14:54 (A6) |
| | 20:19 | 19:42 | 18:52 | 18:05 | 26 16:33 (A6) | 16:33 | 80 16:00 (A6) | 16:32 | 72 16:06 (A6) |
| 24 | 05:44 | 06:13 | 06:43 | 07:15 | 16:04 (A6) | 06:50 | 14:40 (A6) | 07:16 | 14:55 (A6) |
| | 20:18 | 19:41 | 18:50 | 18:03 | 32 16:36 (A6) | 16:32 | 80 16:00 (A6) | 16:33 | 72 16:07 (A6) |
| 25 | 05:45 | 06:14 | 06:44 | 06:16 | 15:01 (A6) | 06:52 | 14:42 (A6) | 07:16 | 14:56 (A6) |
| | 20:18 | 19:39 | 18:49 | 17:02 | 38 15:39 (A6) | 16:32 | 79 16:01 (A6) | 16:33 | 72 16:08 (A6) |
| 26 | 05:46 | 06:15 | 06:45 | 06:17 | 14:59 (A6) | 06:53 | 14:42 (A6) | 07:17 | 14:56 (A6) |
| | 20:17 | 19:38 | 18:47 | 17:01 | 42 15:41 (A6) | 16:31 | 80 16:02 (A6) | 16:34 | 72 16:08 (A6) |
| 27 | 05:47 | 06:16 | 06:46 | 06:18 | 14:56 (A6) | 06:54 | 14:42 (A6) | 07:17 | 14:57 (A6) |
| | 20:16 | 19:36 | 18:45 | 16:59 | 47 15:43 (A6) | 16:31 | 80 16:02 (A6) | 16:34 | 72 16:09 (A6) |
| 28 | 05:48 | 06:17 | 06:47 | 06:19 | 14:54 (A6) | 06:55 | 14:42 (A6) | 07:17 | 14:57 (A6) |
| | 20:15 | 19:35 | 18:44 | 16:58 | 50 15:44 (A6) | 16:30 | 80 16:02 (A6) | 16:35 | 73 16:10 (A6) |
| 29 | 05:48 | 06:18 | 06:48 | 06:20 | 14:52 (A6) | 06:56 | 14:42 (A6) | 07:18 | 14:57 (A6) |
| | 20:14 | 19:33 | 18:42 | 16:57 | 53 15:45 (A6) | 16:30 | 80 16:02 (A6) | 16:36 | 73 16:10 (A6) |
| 30 | 05:49 | 06:19 | 06:49 | 06:21 | 14:51 (A6) | 06:57 | 14:43 (A6) | 07:18 | 14:57 (A6) |
| | 20:13 | 19:32 | 18:40 | 16:55 | 56 15:47 (A6) | 16:30 | 79 16:02 (A6) | 16:37 | 74 16:11 (A6) |
| 31 | 05:50 | 06:20 | | 06:23 | 14:50 (A6) | | | 07:18 | 14:57 (A6) |
| | 20:12 | 19:30 | | 16:54 | 58 15:48 (A6) | | | 16:37 | 74 16:11 (A6) |
| Ore potenziali eliofania | 457 | 427 | 375 | 346 | 299 | | | 290 | |
| Totale, caso peggiore | | | | 417 | 2259 | | | 2299 | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R3 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (3)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno |
|--------------------------|----------------|--------------------------|--------------------------|----------------|----------------|--------------------------------|
| 1 | 07:18 16:38 | 07:05 17:12 | 16:36 (A4) 16:48 (A4) | 06:30 17:45 | 06:40 19:19 | 05:55 19:50 |
| 2 | 07:18 16:39 | 07:04 17:13 | 16:37 (A4) 16:50 (A4) | 06:29 17:47 | 06:39 19:20 | 26 18:57 (A6) 19:23 (A6) |
| 3 | 07:18 16:40 | 07:03 17:15 | 16:40 (A4) 16:51 (A4) | 06:27 17:48 | 06:37 19:21 | 24 19:22 (A6) 19:00 (A6) |
| 4 | 07:19 16:41 | 07:02 17:16 | 16:44 (A4) 16:46 (A4) | 06:26 17:49 | 06:35 19:22 | 21 19:21 (A6) 19:01 (A6) |
| 5 | 07:19 16:42 | 07:01 17:17 | | 06:24 17:50 | 06:34 19:23 | 19 19:20 (A6) 19:03 (A6) |
| 6 | 07:19 16:43 | 07:00 17:18 | | 06:23 17:51 | 06:32 19:24 | 15 19:18 (A6) 19:06 (A6) |
| 7 | 07:18 16:44 | 06:59 17:19 | | 06:21 17:52 | 06:31 19:25 | 9 19:15 (A6) 19:56 |
| 8 | 07:18 16:45 | 06:58 17:21 | | 06:19 17:53 | 06:29 19:26 | 05:47 19:57 |
| 9 | 07:18 16:46 | 06:57 17:22 | | 06:18 17:54 | 06:27 19:27 | 05:46 19:58 |
| 10 | 07:18 16:47 | 06:56 17:23 | | 06:16 17:55 | 06:26 19:28 | 05:45 19:59 |
| 11 | 07:18 16:48 | 06:55 17:24 | | 06:15 17:56 | 06:24 19:29 | 05:44 20:00 |
| 12 | 07:18 16:49 | 06:54 17:25 | | 06:13 17:58 | 06:23 19:30 | 05:43 20:01 |
| 13 | 07:17 16:50 | 06:52 17:27 | | 06:11 17:59 | 06:21 19:31 | 05:41 20:02 |
| 14 | 07:17 16:51 | 06:51 17:28 | | 06:10 18:00 | 06:20 19:32 | 19:06 (A6) 19:10 (A6) |
| 15 | 07:17 16:52 | 06:50 17:29 | | 06:08 18:01 | 06:18 19:33 | 4 19:04 (A6) 8 19:12 (A6) |
| 16 | 07:16 16:53 | 06:49 17:30 | | 06:07 18:02 | 06:17 19:34 | 10 19:02 (A6) 10 19:12 (A6) |
| 17 | 07:16 16:54 | 06:47 17:31 | | 06:05 18:03 | 06:15 19:35 | 13 19:01 (A6) 13 19:14 (A6) |
| 18 | 07:15 16:55 | 16:29 (A4) 16:30 (A4) | 06:46 17:33 | 06:03 18:04 | 06:14 19:36 | 15 18:59 (A6) 15 19:14 (A6) |
| 19 | 07:15 16:57 | 16:30 (A4) 16:32 (A4) | 06:45 17:34 | 06:02 18:05 | 06:12 19:37 | 17 18:59 (A6) 17 19:16 (A6) |
| 20 | 07:14 16:58 | 16:30 (A4) 16:33 (A4) | 06:43 17:35 | 06:00 18:06 | 06:11 19:38 | 19 18:57 (A6) 19 19:16 (A6) |
| 21 | 07:14 16:59 | 16:29 (A4) 16:34 (A4) | 06:42 17:36 | 05:58 18:07 | 06:09 19:39 | 20 18:57 (A6) 20 19:17 (A6) |
| 22 | 07:13 17:00 | 16:30 (A4) 16:36 (A4) | 06:40 17:37 | 05:57 18:08 | 06:08 19:40 | 22 18:56 (A6) 22 19:18 (A6) |
| 23 | 07:13 17:01 | 16:30 (A4) 16:37 (A4) | 06:39 17:39 | 05:55 18:09 | 06:06 19:41 | 23 18:56 (A6) 23 19:19 (A6) |
| 24 | 07:12 17:02 | 16:30 (A4) 16:38 (A4) | 06:38 17:40 | 05:53 18:10 | 06:05 19:42 | 24 18:56 (A6) 24 19:20 (A6) |
| 25 | 07:11 17:04 | 16:30 (A4) 16:39 (A4) | 06:36 17:41 | 05:52 18:11 | 06:03 19:43 | 26 18:55 (A6) 26 19:21 (A6) |
| 26 | 07:10 17:05 | 16:31 (A4) 16:41 (A4) | 06:35 17:42 | 05:50 18:12 | 06:02 19:44 | 26 18:56 (A6) 26 19:22 (A6) |
| 27 | 07:10 17:06 | 16:32 (A4) 16:42 (A4) | 06:33 17:43 | 05:49 18:13 | 06:01 19:45 | 27 18:56 (A6) 27 19:23 (A6) |
| 28 | 07:09 17:07 | 16:32 (A4) 16:43 (A4) | 06:32 17:44 | 05:47 18:14 | 05:59 19:46 | 28 18:56 (A6) 28 19:24 (A6) |
| 29 | 07:08 17:08 | 16:33 (A4) 16:44 (A4) | | 06:45 19:15 | 05:58 19:48 | 29 18:56 (A6) 29 19:25 (A6) |
| 30 | 07:07 17:10 | 16:34 (A4) 16:46 (A4) | | 06:44 19:16 | 05:57 19:49 | 28 18:57 (A6) 28 19:25 (A6) |
| 31 | 07:06 17:11 | 16:35 (A4) 16:47 (A4) | | 06:42 19:18 | | 05:28 20:18 |
| Ore potenziali eliofanìa | 299 | 298 | 370 | 398 | 447 | 450 |
| Totale, caso peggiore | 107 | 38 | 339 | 114 | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R3 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (3)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre | | | |
|--------------------------|--------|--------|------------|---------|----------|----------|------------|------------|-------|
| 1 | 05:28 | 05:51 | 06:21 | 06:50 | 06:24 | 06:58 | | | |
| | 20:29 | 20:11 | 19:28 | 18:39 | 16:53 | 16:29 | | | |
| 2 | 05:28 | 05:52 | 06:22 | 06:51 | 06:25 | 06:59 | | | |
| | 20:29 | 20:10 | 19:27 | 18:37 | 16:52 | 16:29 | | | |
| 3 | 05:29 | 05:53 | 06:23 | 06:52 | 06:26 | 07:00 | | | |
| | 20:29 | 20:09 | 19:25 | 18:35 | 16:51 | 16:29 | | | |
| 4 | 05:29 | 05:54 | 06:24 | 06:53 | 06:27 | 07:01 | | | |
| | 20:29 | 20:08 | 19:24 | 18:34 | 16:49 | 16:29 | | | |
| 5 | 05:30 | 05:55 | 06:25 | 06:54 | 06:28 | 07:02 | | | |
| | 20:29 | 20:06 | 19:22 | 18:32 | 16:48 | 16:28 | | | |
| 6 | 05:30 | 05:56 | 06:26 | 06:55 | 06:30 | 07:03 | | | |
| | 20:28 | 20:05 | 19:20 | 18:31 | 16:47 | 16:28 | | | |
| 7 | 05:31 | 05:57 | 19:15 (A6) | 06:27 | 06:56 | 06:31 | 16:13 (A4) | 07:04 | |
| | 20:28 | 20:04 | 19:26 (A6) | 19:19 | 18:29 | 16:46 | 4 | 16:17 (A4) | 16:28 |
| 8 | 05:32 | 05:58 | 19:11 (A6) | 06:28 | 06:57 | 06:32 | 16:10 (A4) | 07:05 | |
| | 20:28 | 20:03 | 19:27 (A6) | 19:17 | 18:27 | 16:45 | 12 | 16:22 (A4) | 16:28 |
| 9 | 05:32 | 05:59 | 19:09 (A6) | 06:29 | 06:58 | 06:33 | 16:08 (A4) | 07:06 | |
| | 20:27 | 20:02 | 19:29 (A6) | 19:16 | 18:26 | 16:44 | 12 | 16:20 (A4) | 16:28 |
| 10 | 05:33 | 06:00 | 19:08 (A6) | 06:30 | 07:00 | 06:34 | 16:07 (A4) | 07:06 | |
| | 20:27 | 20:00 | 19:30 (A6) | 19:14 | 18:24 | 16:43 | 12 | 16:19 (A4) | 16:28 |
| 11 | 05:34 | 06:01 | 19:07 (A6) | 06:31 | 07:01 | 06:35 | 16:06 (A4) | 07:07 | |
| | 20:27 | 19:59 | 19:31 (A6) | 19:12 | 18:23 | 16:42 | 13 | 16:19 (A4) | 16:28 |
| 12 | 05:34 | 06:02 | 19:06 (A6) | 06:32 | 07:02 | 06:37 | 16:05 (A4) | 07:08 | |
| | 20:26 | 19:58 | 19:32 (A6) | 19:11 | 18:21 | 16:41 | 13 | 16:18 (A4) | 16:28 |
| 13 | 05:35 | 06:03 | 19:05 (A6) | 06:33 | 07:03 | 06:38 | 16:05 (A4) | 07:09 | |
| | 20:26 | 19:56 | 19:33 (A6) | 19:09 | 18:20 | 16:40 | 11 | 16:16 (A4) | 16:29 |
| 14 | 05:36 | 06:04 | 19:04 (A6) | 06:34 | 07:04 | 06:39 | 16:04 (A4) | 07:10 | |
| | 20:25 | 19:55 | 19:32 (A6) | 19:07 | 18:18 | 16:39 | 11 | 16:15 (A4) | 16:29 |
| 15 | 05:37 | 06:05 | 19:03 (A6) | 06:35 | 07:05 | 06:40 | 16:04 (A4) | 07:10 | |
| | 20:25 | 19:54 | 19:31 (A6) | 19:06 | 18:16 | 16:38 | 10 | 16:14 (A4) | 16:29 |
| 16 | 05:37 | 06:06 | 19:03 (A6) | 06:36 | 07:06 | 06:41 | 16:04 (A4) | 07:11 | |
| | 20:24 | 19:52 | 19:30 (A6) | 19:04 | 18:15 | 16:38 | 10 | 16:14 (A4) | 16:29 |
| 17 | 05:38 | 06:07 | 19:02 (A6) | 06:37 | 07:07 | 06:42 | 16:04 (A4) | 07:12 | |
| | 20:23 | 19:51 | 19:29 (A6) | 19:02 | 18:13 | 16:37 | 9 | 16:13 (A4) | 16:30 |
| 18 | 05:39 | 06:08 | 19:02 (A6) | 06:38 | 07:08 | 06:44 | 16:04 (A4) | 07:12 | |
| | 20:23 | 19:50 | 19:27 (A6) | 19:00 | 18:12 | 16:36 | 8 | 16:12 (A4) | 16:30 |
| 19 | 05:40 | 06:09 | 19:02 (A6) | 06:39 | 07:09 | 06:45 | 16:04 (A4) | 07:13 | |
| | 20:22 | 19:48 | 19:26 (A6) | 18:59 | 18:10 | 16:35 | 7 | 16:11 (A4) | 16:30 |
| 20 | 05:41 | 06:10 | 19:02 (A6) | 06:40 | 07:10 | 06:46 | 16:05 (A4) | 07:14 | |
| | 20:21 | 19:47 | 19:25 (A6) | 18:57 | 18:09 | 16:35 | 6 | 16:11 (A4) | 16:31 |
| 21 | 05:41 | 06:11 | 19:02 (A6) | 06:40 | 07:11 | 06:47 | 16:05 (A4) | 07:14 | |
| | 20:21 | 19:45 | 19:23 (A6) | 18:55 | 18:08 | 16:34 | 5 | 16:10 (A4) | 16:31 |
| 22 | 05:42 | 06:11 | 19:02 (A6) | 06:41 | 07:12 | 06:48 | 16:06 (A4) | 07:15 | |
| | 20:20 | 19:44 | 19:22 (A6) | 18:54 | 18:06 | 16:33 | 3 | 16:09 (A4) | 16:32 |
| 23 | 05:43 | 06:12 | 19:01 (A6) | 06:42 | 07:13 | 06:49 | 16:06 (A4) | 07:15 | |
| | 20:19 | 19:42 | 19:20 (A6) | 18:52 | 18:05 | 16:33 | 2 | 16:08 (A4) | 16:32 |
| 24 | 05:44 | 06:13 | 19:02 (A6) | 06:43 | 07:15 | 06:50 | | 07:16 | |
| | 20:18 | 19:41 | 19:18 (A6) | 18:50 | 18:03 | 16:32 | | 16:33 | |
| 25 | 05:45 | 06:14 | 19:02 (A6) | 06:44 | 06:16 | 06:51 | | 07:16 | |
| | 20:18 | 19:39 | 19:17 (A6) | 18:49 | 17:02 | 16:32 | | 16:33 | |
| 26 | 05:46 | 06:15 | 19:03 (A6) | 06:45 | 06:17 | 06:53 | | 07:17 | |
| | 20:17 | 19:38 | 19:15 (A6) | 18:47 | 17:01 | 16:31 | | 16:34 | |
| 27 | 05:47 | 06:16 | 19:04 (A6) | 06:46 | 06:18 | 06:54 | | 07:17 | |
| | 20:16 | 19:36 | 19:14 (A6) | 18:45 | 16:59 | 16:31 | | 16:34 | |
| 28 | 05:48 | 06:17 | 19:05 (A6) | 06:47 | 06:19 | 06:55 | | 07:17 | |
| | 20:15 | 19:35 | 19:13 (A6) | 18:44 | 16:58 | 16:30 | | 16:35 | |
| 29 | 05:48 | 06:18 | 19:07 (A6) | 06:48 | 06:20 | 06:56 | | 07:17 | |
| | 20:14 | 19:33 | 19:11 (A6) | 18:42 | 16:57 | 16:30 | | 16:36 | |
| 30 | 05:49 | 06:19 | | 06:49 | 06:21 | 06:57 | | 07:18 | |
| | 20:13 | 19:32 | | 18:40 | 16:55 | 16:30 | | 16:37 | |
| 31 | 05:50 | 06:20 | | | 06:23 | | | 07:18 | |
| | 20:12 | 19:30 | | | 16:54 | | | 16:37 | |
| Ore potenziali eliofanìa | 457 | 427 | 375 | 346 | 299 | 290 | | | |
| Totale, caso peggiore | | 454 | | | 148 | | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R4 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (4)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | | Febbraio | | Marzo | | Aprile | | Maggio | | Giugno | |
|--------------------------|---------|----|------------|-------|-------|----|------------|-------|------------|-------|--------|-------|
| 1 | 07:18 | | 07:52 (A2) | 07:05 | 06:30 | | 06:40 | | 07:30 (A3) | 05:56 | | 05:27 |
| | 16:39 | 31 | 08:23 (A2) | 17:12 | 17:45 | | 19:19 | 44 | 08:14 (A3) | 19:50 | | 20:18 |
| 2 | 07:18 | | 07:52 (A2) | 07:05 | 06:29 | | 06:39 | | 07:30 (A3) | 05:54 | | 05:27 |
| | 16:39 | 32 | 08:24 (A2) | 17:13 | 17:47 | | 19:20 | 42 | 08:12 (A3) | 19:51 | | 20:19 |
| 3 | 07:18 | | 07:54 (A2) | 07:04 | 06:27 | | 06:37 | | 07:30 (A3) | 05:53 | | 05:26 |
| | 16:40 | 31 | 08:25 (A2) | 17:15 | 17:48 | | 19:21 | 41 | 08:11 (A3) | 19:52 | | 20:20 |
| 4 | 07:19 | | 07:53 (A2) | 07:03 | 06:26 | | 06:36 | | 07:31 (A3) | 05:52 | | 05:26 |
| | 16:41 | 32 | 08:25 (A2) | 17:16 | 17:49 | | 19:22 | 39 | 08:10 (A3) | 19:53 | | 20:21 |
| 5 | 07:19 | | 07:54 (A2) | 07:02 | 06:24 | | 06:34 | | 07:32 (A3) | 05:51 | | 05:26 |
| | 16:42 | 31 | 08:25 (A2) | 17:17 | 17:50 | | 19:23 | 36 | 08:08 (A3) | 19:54 | | 20:21 |
| 6 | 07:19 | | 07:54 (A2) | 07:00 | 06:23 | | 06:32 | | 07:33 (A3) | 05:49 | | 05:25 |
| | 16:43 | 31 | 08:25 (A2) | 17:18 | 17:51 | | 19:24 | 34 | 08:07 (A3) | 19:55 | | 20:22 |
| 7 | 07:18 | | 07:55 (A2) | 06:59 | 06:21 | | 06:31 | | 07:34 (A3) | 05:48 | | 05:25 |
| | 16:44 | 31 | 08:26 (A2) | 17:20 | 17:52 | | 19:25 | 30 | 08:04 (A3) | 19:56 | | 20:23 |
| 8 | 07:18 | | 07:56 (A2) | 06:58 | 06:20 | | 06:29 | | 07:35 (A3) | 05:47 | | 05:25 |
| | 16:45 | 30 | 08:26 (A2) | 17:21 | 17:53 | | 19:26 | 27 | 08:02 (A3) | 19:57 | | 20:23 |
| 9 | 07:18 | | 07:56 (A2) | 06:57 | 06:18 | | 06:28 | | 07:38 (A3) | 05:46 | | 05:25 |
| | 16:46 | 31 | 08:27 (A2) | 17:22 | 17:54 | | 19:27 | 22 | 08:00 (A3) | 19:58 | | 20:24 |
| 10 | 07:18 | | 07:57 (A2) | 06:56 | 06:16 | | 06:26 | | 07:41 (A3) | 05:45 | | 05:25 |
| | 16:47 | 30 | 08:27 (A2) | 17:23 | 17:55 | | 19:28 | 14 | 07:55 (A3) | 19:59 | | 20:24 |
| 11 | 07:18 | | 07:57 (A2) | 06:55 | 06:15 | | 06:57 (A3) | 06:24 | | 05:44 | | 05:24 |
| | 16:48 | 30 | 08:27 (A2) | 17:24 | 17:57 | 2 | 06:59 (A3) | 19:29 | | 20:00 | | 20:25 |
| 12 | 07:18 | | 07:58 (A2) | 06:54 | 06:13 | | 06:50 (A3) | 06:23 | | 05:43 | | 05:24 |
| | 16:49 | 29 | 08:27 (A2) | 17:26 | 17:58 | 17 | 07:07 (A3) | 19:30 | | 20:01 | | 20:25 |
| 13 | 07:17 | | 07:59 (A2) | 06:52 | 06:12 | | 06:46 (A3) | 06:21 | | 05:42 | | 05:24 |
| | 16:50 | 28 | 08:27 (A2) | 17:27 | 17:59 | 24 | 07:10 (A3) | 19:31 | | 20:02 | | 20:26 |
| 14 | 07:17 | | 07:59 (A2) | 06:51 | 06:10 | | 06:43 (A3) | 06:20 | | 05:41 | | 05:24 |
| | 16:51 | 28 | 08:27 (A2) | 17:28 | 18:00 | 29 | 07:12 (A3) | 19:32 | | 20:03 | | 20:26 |
| 15 | 07:17 | | 08:01 (A2) | 06:50 | 06:08 | | 06:41 (A3) | 06:18 | | 05:40 | | 05:24 |
| | 16:52 | 26 | 08:27 (A2) | 17:29 | 18:01 | 33 | 07:14 (A3) | 19:33 | | 20:04 | | 20:27 |
| 16 | 07:16 | | 08:01 (A2) | 06:49 | 06:07 | | 06:39 (A3) | 06:17 | | 05:39 | | 05:24 |
| | 16:53 | 25 | 08:26 (A2) | 17:30 | 18:02 | 36 | 07:15 (A3) | 19:34 | | 20:05 | | 20:27 |
| 17 | 07:16 | | 08:02 (A2) | 06:47 | 06:05 | | 06:38 (A3) | 06:15 | | 05:38 | | 05:24 |
| | 16:54 | 25 | 08:27 (A2) | 17:32 | 18:03 | 38 | 07:16 (A3) | 19:35 | | 20:06 | | 20:27 |
| 18 | 07:15 | | 08:03 (A2) | 06:46 | 06:03 | | 06:36 (A3) | 06:14 | | 05:37 | | 05:24 |
| | 16:55 | 23 | 08:26 (A2) | 17:33 | 18:04 | 41 | 07:17 (A3) | 19:36 | | 20:07 | | 20:28 |
| 19 | 07:15 | | 08:05 (A2) | 06:45 | 06:02 | | 06:35 (A3) | 06:12 | | 05:36 | | 05:24 |
| | 16:57 | 21 | 08:26 (A2) | 17:34 | 18:05 | 42 | 07:17 (A3) | 19:37 | | 20:07 | | 20:28 |
| 20 | 07:14 | | 08:06 (A2) | 06:43 | 06:00 | | 06:34 (A3) | 06:11 | | 05:35 | | 05:24 |
| | 16:58 | 18 | 08:24 (A2) | 17:35 | 18:06 | 44 | 07:18 (A3) | 19:38 | | 20:08 | | 20:28 |
| 21 | 07:14 | | 08:07 (A2) | 06:42 | 05:59 | | 06:33 (A3) | 06:09 | | 05:34 | | 05:25 |
| | 16:59 | 16 | 08:23 (A2) | 17:36 | 18:07 | 45 | 07:18 (A3) | 19:39 | | 20:09 | | 20:29 |
| 22 | 07:13 | | 08:10 (A2) | 06:41 | 05:57 | | 06:32 (A3) | 06:08 | | 05:34 | | 05:25 |
| | 17:00 | 12 | 08:22 (A2) | 17:37 | 18:08 | 46 | 07:18 (A3) | 19:40 | | 20:10 | | 20:29 |
| 23 | 07:13 | | 08:14 (A2) | 06:39 | 05:55 | | 06:32 (A3) | 06:06 | | 05:33 | | 05:25 |
| | 17:01 | 4 | 08:18 (A2) | 17:39 | 18:09 | 47 | 07:19 (A3) | 19:41 | | 20:11 | | 20:29 |
| 24 | 07:12 | | | 06:38 | 05:54 | | 06:31 (A3) | 06:05 | | 05:32 | | 05:25 |
| | 17:02 | | | 17:40 | 18:10 | 47 | 07:18 (A3) | 19:42 | | 20:12 | | 20:29 |
| 25 | 07:11 | | | 06:36 | 05:52 | | 06:30 (A3) | 06:04 | | 05:31 | | 05:26 |
| | 17:04 | | | 17:41 | 18:11 | 48 | 07:18 (A3) | 19:43 | | 20:13 | | 20:29 |
| 26 | 07:10 | | | 06:35 | 05:50 | | 06:30 (A3) | 06:02 | | 05:31 | | 05:26 |
| | 17:05 | | | 17:42 | 18:12 | 48 | 07:18 (A3) | 19:44 | | 20:14 | | 20:29 |
| 27 | 07:10 | | | 06:33 | 05:49 | | 06:30 (A3) | 06:01 | | 05:30 | | 05:26 |
| | 17:06 | | | 17:43 | 18:13 | 47 | 07:17 (A3) | 19:46 | | 20:15 | | 20:29 |
| 28 | 07:09 | | | 06:32 | 05:47 | | 06:29 (A3) | 05:59 | | 05:29 | | 05:27 |
| | 17:07 | | | 17:44 | 18:14 | 47 | 07:16 (A3) | 19:47 | | 20:15 | | 20:29 |
| 29 | 07:08 | | | | 06:45 | | 07:30 (A3) | 05:58 | | 05:29 | | 05:27 |
| | 17:09 | | | | 19:16 | 46 | 08:16 (A3) | 19:48 | | 20:16 | | 20:29 |
| 30 | 07:07 | | | | 06:44 | | 07:29 (A3) | 05:57 | | 05:28 | | 05:27 |
| | 17:10 | | | | 19:17 | 46 | 08:15 (A3) | 19:49 | | 20:17 | | 20:29 |
| 31 | 07:06 | | | | 06:42 | | 07:29 (A3) | | | 05:28 | | |
| | 17:11 | | | | 19:18 | 45 | 08:14 (A3) | | | 20:18 | | |
| Ore potenziali eliofanìa | 299 | | | 298 | 370 | | 398 | 329 | | 447 | | 450 |
| Totale, caso peggiore | 595 | | | | 818 | | | | | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R4 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (4)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | | Ottobre | | Novembre | | Dicembre | |
|--------------------------|----------------|----------------|----------------|------|--------------------------|----|--------------------------|----------------|----------------|--------------------------|
| 1 | 05:28 20:29 | 05:51 20:11 | 06:21 19:29 | | 06:50 18:39 | 20 | 07:27 (A3) 07:47 (A3) | 06:24 16:53 | 06:58 16:29 | 07:39 (A2) 08:09 (A2) |
| 2 | 05:28 20:29 | 05:52 20:10 | 06:22 19:27 | 14 | 07:40 (A3) 07:54 (A3) | 11 | 07:31 (A3) 07:42 (A3) | 06:25 16:52 | 06:59 16:29 | 07:39 (A2) 08:09 (A2) |
| 3 | 05:29 20:29 | 05:53 20:09 | 06:23 19:25 | 22 | 07:36 (A3) 07:58 (A3) | | | 06:26 16:51 | 07:00 16:29 | 07:39 (A2) 08:10 (A2) |
| 4 | 05:29 20:29 | 05:54 20:08 | 06:24 19:24 | 27 | 07:33 (A3) 08:00 (A3) | | | 06:27 16:50 | 07:01 16:29 | 07:40 (A2) 08:10 (A2) |
| 5 | 05:30 20:29 | 05:55 20:06 | 06:25 19:22 | 30 | 07:31 (A3) 08:01 (A3) | | | 06:28 16:48 | 07:02 16:29 | 07:40 (A2) 08:11 (A2) |
| 6 | 05:31 20:28 | 05:56 20:05 | 06:26 19:21 | 34 | 07:28 (A3) 08:02 (A3) | | | 06:30 16:47 | 07:03 16:28 | 07:40 (A2) 08:11 (A2) |
| 7 | 05:31 20:28 | 05:57 20:04 | 06:27 19:19 | 36 | 07:27 (A3) 08:03 (A3) | | | 06:31 16:46 | 07:04 16:28 | 07:41 (A2) 08:12 (A2) |
| 8 | 05:32 20:28 | 05:58 20:03 | 06:28 19:17 | 39 | 07:25 (A3) 08:04 (A3) | | | 06:32 16:45 | 07:05 16:28 | 07:41 (A2) 08:13 (A2) |
| 9 | 05:32 20:27 | 05:59 20:02 | 06:29 19:16 | 41 | 07:24 (A3) 08:05 (A3) | | | 06:33 16:44 | 07:06 16:28 | 07:42 (A2) 08:13 (A2) |
| 10 | 05:33 20:27 | 06:00 20:00 | 06:30 19:14 | 42 | 07:23 (A3) 08:05 (A3) | | | 06:34 16:43 | 07:06 16:28 | 07:42 (A2) 08:14 (A2) |
| 11 | 05:34 20:27 | 06:01 19:59 | 06:31 19:12 | 44 | 07:22 (A3) 08:06 (A3) | | | 06:35 16:42 | 07:07 16:28 | 07:43 (A2) 08:14 (A2) |
| 12 | 05:34 20:26 | 06:02 19:58 | 06:32 19:11 | 45 | 07:21 (A3) 08:06 (A3) | | | 06:37 16:41 | 07:08 16:29 | 07:42 (A2) 08:14 (A2) |
| 13 | 05:35 20:26 | 06:03 19:57 | 06:33 19:09 | 45 | 07:21 (A3) 08:06 (A3) | | | 06:38 16:40 | 07:09 16:29 | 07:43 (A2) 08:15 (A2) |
| 14 | 05:36 20:25 | 06:04 19:55 | 06:34 19:07 | 47 | 07:20 (A3) 08:07 (A3) | | | 06:39 16:39 | 07:10 16:29 | 07:44 (A2) 08:15 (A2) |
| 15 | 05:37 20:25 | 06:05 19:54 | 06:35 19:06 | 48 | 07:19 (A3) 08:07 (A3) | | | 06:40 16:39 | 07:10 16:29 | 07:45 (A2) 08:16 (A2) |
| 16 | 05:37 20:24 | 06:06 19:52 | 06:36 19:04 | 47 | 07:19 (A3) 08:06 (A3) | | | 06:41 16:38 | 07:11 16:29 | 07:44 (A2) 08:16 (A2) |
| 17 | 05:38 20:24 | 06:07 19:51 | 06:37 19:02 | 47 | 07:19 (A3) 08:06 (A3) | | | 06:42 16:37 | 07:12 16:30 | 07:45 (A2) 08:17 (A2) |
| 18 | 05:39 20:23 | 06:08 19:50 | 06:38 19:01 | 48 | 07:18 (A3) 08:06 (A3) | | | 06:44 16:36 | 07:12 16:30 | 07:46 (A2) 08:18 (A2) |
| 19 | 05:40 20:22 | 06:09 19:48 | 06:39 18:59 | 48 | 07:18 (A3) 08:06 (A3) | | 5 | 06:45 16:35 | 07:13 16:30 | 07:46 (A2) 08:17 (A2) |
| 20 | 05:41 20:22 | 06:10 19:47 | 06:40 18:57 | 47 | 07:18 (A3) 08:05 (A3) | | 12 | 06:46 16:35 | 07:14 16:31 | 07:47 (A2) 08:18 (A2) |
| 21 | 05:41 20:21 | 06:11 19:45 | 06:41 18:56 | 46 | 07:17 (A3) 08:03 (A3) | | 16 | 06:47 16:34 | 07:14 16:31 | 07:47 (A2) 08:18 (A2) |
| 22 | 05:42 20:20 | 06:12 19:44 | 06:42 18:54 | 46 | 07:17 (A3) 08:03 (A3) | | 18 | 06:48 16:33 | 07:15 16:32 | 07:48 (A2) 08:19 (A2) |
| 23 | 05:43 20:19 | 06:13 19:42 | 06:43 18:52 | 44 | 07:18 (A3) 08:02 (A3) | | 21 | 06:49 16:33 | 07:15 16:32 | 07:48 (A2) 08:19 (A2) |
| 24 | 05:44 20:18 | 06:14 19:41 | 06:43 18:51 | 43 | 07:18 (A3) 08:01 (A3) | | 23 | 06:50 16:32 | 07:16 16:33 | 07:49 (A2) 08:20 (A2) |
| 25 | 05:45 20:18 | 06:15 19:39 | 06:44 18:49 | 41 | 07:19 (A3) 08:00 (A3) | | 24 | 06:52 16:32 | 07:16 16:33 | 07:49 (A2) 08:20 (A2) |
| 26 | 05:46 20:17 | 06:15 19:38 | 06:45 18:47 | 39 | 07:19 (A3) 07:58 (A3) | | 25 | 06:53 16:31 | 07:17 16:34 | 07:49 (A2) 08:21 (A2) |
| 27 | 05:47 20:16 | 06:16 19:36 | 06:46 18:45 | 37 | 07:20 (A3) 07:57 (A3) | | 26 | 06:54 16:31 | 07:17 16:35 | 07:50 (A2) 08:22 (A2) |
| 28 | 05:48 20:15 | 06:17 19:35 | 06:47 18:44 | 34 | 07:21 (A3) 07:55 (A3) | | 28 | 06:55 16:30 | 07:17 16:35 | 07:50 (A2) 08:22 (A2) |
| 29 | 05:49 20:14 | 06:18 19:33 | 06:48 18:42 | 30 | 07:23 (A3) 07:53 (A3) | | 29 | 06:56 16:30 | 07:18 16:36 | 07:51 (A2) 08:22 (A2) |
| 30 | 05:49 20:13 | 06:19 19:32 | 06:49 18:41 | 26 | 07:24 (A3) 07:50 (A3) | | 29 | 06:57 16:30 | 07:18 16:37 | 07:51 (A2) 08:23 (A2) |
| 31 | 05:50 20:12 | 06:20 19:30 | | | 06:23 16:54 | | | | 07:18 16:37 | 07:51 (A2) 08:23 (A2) |
| Ore potenziali eliofania | 457 | 427 | 375 | | 346 | 31 | 299 | 256 | 290 | 970 |
| Totale, caso peggiore | | | | 1137 | | | | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R5 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (5)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | | Febbraio | | Marzo | | Aprile | | Maggio | | Giugno | |
|--------------------------|---------|----|------------|-------|-------|----|------------|-------|------------|-------|--------|-----|
| 1 | 07:18 | | 07:52 (A2) | 07:05 | 06:30 | | 06:40 | | 07:19 (A3) | 05:56 | 05:27 | |
| | 16:39 | 35 | 08:27 (A2) | 17:12 | 17:45 | | 19:19 | 52 | 08:11 (A3) | 19:50 | 20:18 | |
| 2 | 07:18 | | 07:53 (A2) | 07:05 | 06:29 | | 06:39 | | 07:18 (A3) | 05:54 | 05:27 | |
| | 16:39 | 34 | 08:27 (A2) | 17:13 | 17:47 | | 19:20 | 53 | 08:11 (A3) | 19:51 | 20:19 | |
| 3 | 07:18 | | 07:54 (A2) | 07:04 | 06:27 | | 06:37 | | 07:17 (A3) | 05:53 | 05:26 | |
| | 16:40 | 34 | 08:28 (A2) | 17:15 | 17:48 | | 19:21 | 53 | 08:10 (A3) | 19:52 | 20:20 | |
| 4 | 07:19 | | 07:54 (A2) | 07:03 | 06:26 | | 06:36 | | 07:17 (A3) | 05:52 | 05:26 | |
| | 16:41 | 34 | 08:28 (A2) | 17:16 | 17:49 | | 19:22 | 54 | 08:11 (A3) | 19:53 | 20:21 | |
| 5 | 07:19 | | 07:54 (A2) | 07:02 | 06:24 | | 06:34 | | 07:16 (A3) | 05:51 | 05:26 | |
| | 16:42 | 34 | 08:28 (A2) | 17:17 | 17:50 | | 19:23 | 54 | 08:10 (A3) | 19:54 | 20:21 | |
| 6 | 07:19 | | 07:55 (A2) | 07:00 | 06:23 | | 06:32 | | 07:16 (A3) | 05:49 | 05:25 | |
| | 16:43 | 34 | 08:29 (A2) | 17:18 | 17:51 | | 19:24 | 54 | 08:10 (A3) | 19:55 | 20:22 | |
| 7 | 07:18 | | 07:55 (A2) | 06:59 | 06:21 | | 06:31 | | 07:16 (A3) | 05:48 | 05:25 | |
| | 16:44 | 34 | 08:29 (A2) | 17:20 | 17:52 | | 19:25 | 53 | 08:09 (A3) | 19:56 | 20:23 | |
| 8 | 07:18 | | 07:56 (A2) | 06:58 | 06:20 | | 06:29 | | 07:15 (A3) | 05:47 | 05:25 | |
| | 16:45 | 34 | 08:30 (A2) | 17:21 | 17:53 | | 19:26 | 53 | 08:08 (A3) | 19:57 | 20:23 | |
| 9 | 07:18 | | 07:57 (A2) | 06:57 | 06:18 | | 06:28 | | 07:16 (A3) | 05:46 | 05:25 | |
| | 16:46 | 33 | 08:30 (A2) | 17:22 | 17:54 | | 19:27 | 52 | 08:08 (A3) | 19:58 | 20:24 | |
| 10 | 07:18 | | 07:58 (A2) | 06:56 | 06:16 | | 06:26 | | 07:16 (A3) | 05:45 | 05:25 | |
| | 16:47 | 33 | 08:31 (A2) | 17:23 | 17:55 | | 19:28 | 51 | 08:07 (A3) | 19:59 | 20:24 | |
| 11 | 07:18 | | 07:57 (A2) | 06:55 | 06:15 | | 06:24 | | 07:16 (A3) | 05:44 | 05:24 | |
| | 16:48 | 33 | 08:30 (A2) | 17:24 | 17:57 | | 19:29 | 50 | 08:06 (A3) | 20:00 | 20:25 | |
| 12 | 07:18 | | 07:58 (A2) | 06:54 | 06:13 | | 06:23 | | 07:16 (A3) | 05:43 | 05:24 | |
| | 16:49 | 33 | 08:31 (A2) | 17:26 | 17:58 | | 19:30 | 49 | 08:05 (A3) | 20:01 | 20:25 | |
| 13 | 07:17 | | 07:59 (A2) | 06:52 | 06:12 | | 06:21 | | 07:17 (A3) | 05:42 | 05:24 | |
| | 16:50 | 32 | 08:31 (A2) | 17:27 | 17:59 | | 19:31 | 47 | 08:04 (A3) | 20:02 | 20:26 | |
| 14 | 07:17 | | 07:59 (A2) | 06:51 | 06:10 | | 06:20 | | 07:17 (A3) | 05:41 | 05:24 | |
| | 16:51 | 32 | 08:31 (A2) | 17:28 | 18:00 | | 19:32 | 46 | 08:03 (A3) | 20:03 | 20:26 | |
| 15 | 07:17 | | 08:01 (A2) | 06:50 | 06:08 | | 06:18 | | 07:18 (A3) | 05:40 | 05:24 | |
| | 16:52 | 30 | 08:31 (A2) | 17:29 | 18:01 | | 19:33 | 44 | 08:02 (A3) | 20:04 | 20:27 | |
| 16 | 07:16 | | 08:01 (A2) | 06:49 | 06:07 | | 06:17 | | 07:18 (A3) | 05:39 | 05:24 | |
| | 16:53 | 29 | 08:30 (A2) | 17:30 | 18:02 | | 19:34 | 42 | 08:00 (A3) | 20:05 | 20:27 | |
| 17 | 07:16 | | 08:02 (A2) | 06:47 | 06:05 | | 06:15 | | 07:20 (A3) | 05:38 | 05:24 | |
| | 16:54 | 29 | 08:31 (A2) | 17:32 | 18:03 | | 19:35 | 39 | 07:59 (A3) | 20:06 | 20:27 | |
| 18 | 07:15 | | 08:03 (A2) | 06:46 | 06:03 | | 06:14 | | 07:20 (A3) | 05:37 | 05:24 | |
| | 16:55 | 27 | 08:30 (A2) | 17:33 | 18:04 | | 19:36 | 37 | 07:57 (A3) | 20:07 | 20:28 | |
| 19 | 07:15 | | 08:04 (A2) | 06:45 | 06:02 | | 06:12 | | 07:22 (A3) | 05:36 | 05:24 | |
| | 16:57 | 26 | 08:30 (A2) | 17:34 | 18:05 | 11 | 06:54 (A3) | 19:37 | 07:56 (A3) | 20:07 | 20:28 | |
| 20 | 07:14 | | 08:05 (A2) | 06:43 | 06:00 | | 06:39 (A3) | 06:11 | 07:23 (A3) | 05:35 | 05:24 | |
| | 16:58 | 24 | 08:29 (A2) | 17:35 | 18:06 | 21 | 07:00 (A3) | 19:38 | 07:53 (A3) | 20:08 | 20:28 | |
| 21 | 07:14 | | 08:06 (A2) | 06:42 | 05:59 | | 06:35 (A3) | 06:09 | 07:25 (A3) | 05:34 | 05:25 | |
| | 16:59 | 22 | 08:28 (A2) | 17:36 | 18:07 | 27 | 07:02 (A3) | 19:39 | 07:51 (A3) | 20:09 | 20:29 | |
| 22 | 07:13 | | 08:08 (A2) | 06:40 | 05:57 | | 06:32 (A3) | 06:08 | 07:27 (A3) | 05:34 | 05:25 | |
| | 17:00 | 20 | 08:28 (A2) | 17:37 | 18:08 | 32 | 07:04 (A3) | 19:40 | 07:48 (A3) | 20:10 | 20:29 | |
| 23 | 07:13 | | 08:10 (A2) | 06:39 | 05:55 | | 06:30 (A3) | 06:06 | 07:31 (A3) | 05:33 | 05:25 | |
| | 17:01 | 16 | 08:26 (A2) | 17:39 | 18:09 | 36 | 07:06 (A3) | 19:41 | 07:44 (A3) | 20:11 | 20:29 | |
| 24 | 07:12 | | 08:12 (A2) | 06:38 | 05:54 | | 06:28 (A3) | 06:05 | | 05:32 | 05:25 | |
| | 17:02 | 12 | 08:24 (A2) | 17:40 | 18:10 | 39 | 07:07 (A3) | 19:42 | | 20:12 | 20:29 | |
| 25 | 07:11 | | 08:16 (A2) | 06:36 | 05:52 | | 06:26 (A3) | 06:04 | | 05:31 | 05:26 | |
| | 17:04 | 3 | 08:19 (A2) | 17:41 | 18:11 | 42 | 07:08 (A3) | 19:43 | | 20:13 | 20:29 | |
| 26 | 07:10 | | | 06:35 | 05:50 | | 06:25 (A3) | 06:02 | | 05:31 | 05:26 | |
| | 17:05 | | | 17:42 | 18:12 | 44 | 07:09 (A3) | 19:44 | | 20:14 | 20:29 | |
| 27 | 07:10 | | | 06:33 | 05:49 | | 06:23 (A3) | 06:01 | | 05:30 | 05:26 | |
| | 17:06 | | | 17:43 | 18:13 | 47 | 07:10 (A3) | 19:45 | | 20:15 | 20:29 | |
| 28 | 07:09 | | | 06:32 | 05:47 | | 06:22 (A3) | 05:59 | | 05:29 | 05:27 | |
| | 17:07 | | | 17:44 | 18:14 | 48 | 07:10 (A3) | 19:47 | | 20:15 | 20:29 | |
| 29 | 07:08 | | | | 06:45 | | 07:21 (A3) | 05:58 | | 05:29 | 05:27 | |
| | 17:09 | | | | 19:16 | 50 | 08:11 (A3) | 19:48 | | 20:16 | 20:29 | |
| 30 | 07:07 | | | | 06:44 | | 07:20 (A3) | 05:57 | | 05:28 | 05:27 | |
| | 17:10 | | | | 19:17 | 51 | 08:11 (A3) | 19:49 | | 20:17 | 20:29 | |
| 31 | 07:06 | | | | 06:42 | | 07:19 (A3) | | | 05:28 | | |
| | 17:11 | | | | 19:18 | 52 | 08:11 (A3) | | | 20:18 | | |
| Ore potenziali eliofanìa | 299 | | 298 | | 370 | | 398 | 1007 | | 447 | | 450 |
| Totale, caso peggiore | 707 | | | | 500 | | | | | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
Tramonto (hh:mm)Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R5 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (5)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Settembre | Ottobre | Novembre | Novembre | Dicembre | Dicembre |
|--------------------------|--------|--------|---------------|---------------|---------------|----------|---------------|---------------------|---------------------|
| 1 | 05:28 | 05:51 | 06:21 | 07:15 (A3) | 06:50 | 06:24 | 06:58 | 07:39 (A2) | |
| | 20:29 | 20:11 | 19:29 | 50 08:05 (A3) | 18:39 | 16:53 | 16:29 | 33 08:12 (A2) | |
| 2 | 05:28 | 05:52 | 06:22 | 07:15 (A3) | 06:51 | 06:25 | 06:59 | 07:40 (A2) | |
| | 20:29 | 20:10 | 19:27 | 51 08:06 (A3) | 18:37 | 16:52 | 16:29 | 33 08:13 (A2) | |
| 3 | 05:29 | 05:53 | 06:23 | 07:14 (A3) | 06:52 | 06:26 | 07:00 | 07:40 (A2) | |
| | 20:29 | 20:09 | 19:25 | 52 08:06 (A3) | 18:36 | 16:51 | 16:29 | 33 08:13 (A2) | |
| 4 | 05:29 | 05:54 | 06:24 | 07:13 (A3) | 06:53 | 06:27 | 07:01 | 07:40 (A2) | |
| | 20:29 | 20:08 | 19:24 | 53 08:06 (A3) | 18:34 | 16:50 | 16:29 | 34 08:14 (A2) | |
| 5 | 05:30 | 05:55 | 06:25 | 07:13 (A3) | 06:54 | 06:28 | 07:02 | 07:40 (A2) | |
| | 20:29 | 20:06 | 19:22 | 53 08:06 (A3) | 18:32 | 16:48 | 16:29 | 34 08:14 (A2) | |
| 6 | 05:31 | 05:56 | 06:26 | 07:12 (A3) | 06:55 | 06:30 | 07:03 | 07:42 (A2) | |
| | 20:28 | 20:05 | 19:21 | 53 08:05 (A3) | 18:31 | 16:47 | 16:28 | 34 08:15 (A2) | |
| 7 | 05:31 | 05:57 | 06:27 | 07:11 (A3) | 06:56 | 06:31 | 07:04 | 07:41 (A2) | |
| | 20:28 | 20:04 | 19:19 | 54 08:05 (A3) | 18:29 | 16:46 | 16:28 | 34 08:15 (A2) | |
| 8 | 05:32 | 05:58 | 06:28 | 07:11 (A3) | 06:58 | 06:32 | 07:05 | 07:42 (A2) | |
| | 20:28 | 20:03 | 19:17 | 54 08:05 (A3) | 18:27 | 16:45 | 16:28 | 34 08:16 (A2) | |
| 9 | 05:32 | 05:59 | 06:29 | 07:11 (A3) | 06:59 | 06:33 | 07:06 | 07:42 (A2) | |
| | 20:27 | 20:02 | 19:16 | 53 08:04 (A3) | 18:26 | 16:44 | 16:28 | 34 08:16 (A2) | |
| 10 | 05:33 | 06:00 | 06:30 | 07:11 (A3) | 07:00 | 06:34 | 07:06 | 07:43 (A2) | |
| | 20:27 | 20:00 | 19:14 | 53 08:04 (A3) | 18:24 | 16:43 | 16:28 | 34 08:17 (A2) | |
| 11 | 05:34 | 06:01 | 06:31 | 07:11 (A3) | 07:01 | 06:35 | 07:07 | 07:43 (A2) | |
| | 20:27 | 19:59 | 19:12 | 52 08:03 (A3) | 18:23 | 16:42 | 16:28 | 35 08:18 (A2) | |
| 12 | 05:34 | 06:02 | 06:32 | 07:11 (A3) | 07:02 | 06:37 | 07:08 | 07:43 (A2) | |
| | 20:26 | 19:58 | 19:11 | 52 08:03 (A3) | 18:21 | 16:41 | 16:29 | 34 08:17 (A2) | |
| 13 | 05:35 | 06:03 | 06:33 | 07:11 (A3) | 07:03 | 06:38 | 07:09 | 07:44 (A2) | |
| | 20:26 | 19:57 | 19:09 | 51 08:02 (A3) | 18:20 | 16:40 | 16:29 | 34 08:18 (A2) | |
| 14 | 05:36 | 06:04 | 06:34 | 07:11 (A3) | 07:04 | 06:39 | 07:10 | 07:44 (A2) | |
| | 20:25 | 19:55 | 19:07 | 50 08:01 (A3) | 18:18 | 16:39 | 16:29 | 35 08:19 (A2) | |
| 15 | 05:37 | 06:05 | 06:35 | 07:12 (A3) | 07:05 | 06:40 | 07:10 | 07:45 (A2) | |
| | 20:25 | 19:54 | 19:06 | 48 08:00 (A3) | 18:17 | 16:39 | 16:29 | 34 08:19 (A2) | |
| 16 | 05:37 | 06:06 | 06:36 | 07:12 (A3) | 07:06 | 06:41 | 07:11 | 07:45 (A2) | |
| | 20:24 | 19:52 | 19:04 | 47 07:59 (A3) | 18:15 | 16:38 | 16:29 | 34 08:19 (A2) | |
| 17 | 05:38 | 06:07 | 06:37 | 07:13 (A3) | 07:07 | 06:42 | 07:12 | 07:46 (A2) | |
| | 20:24 | 19:51 | 19:02 | 45 07:58 (A3) | 18:14 | 16:37 | 3 07:53 (A2) | 16:30 34 08:20 (A2) | |
| 18 | 05:39 | 06:08 | 06:38 | 07:14 (A3) | 07:08 | 06:44 | 07:12 | 07:47 (A2) | |
| | 20:23 | 19:50 | 19:01 | 42 07:56 (A3) | 18:12 | 16:36 | 12 07:58 (A2) | 16:30 34 08:21 (A2) | |
| 19 | 05:40 | 06:09 | 06:39 | 07:15 (A3) | 07:09 | 06:45 | 07:13 | 07:47 (A2) | |
| | 20:22 | 19:48 | 18:59 | 40 07:55 (A3) | 18:11 | 16:35 | 16 08:00 (A2) | 16:30 34 08:21 (A2) | |
| 20 | 05:41 | 06:10 | 07:36 (A3) | 06:40 | 07:16 (A3) | 07:10 | 06:46 | 07:43 (A2) | 07:14 07:47 (A2) |
| | 20:21 | 19:47 | 15 07:51 (A3) | 18:57 | 37 07:53 (A3) | 18:09 | 16:35 | 20 08:03 (A2) | 16:31 34 08:21 (A2) |
| 21 | 05:41 | 06:11 | 07:32 (A3) | 06:41 | 07:17 (A3) | 07:11 | 06:47 | 07:42 (A2) | 07:14 07:47 (A2) |
| | 20:21 | 19:45 | 22 07:54 (A3) | 18:56 | 33 07:50 (A3) | 18:08 | 16:34 | 22 08:04 (A2) | 16:31 34 08:21 (A2) |
| 22 | 05:42 | 06:12 | 07:30 (A3) | 06:42 | 07:19 (A3) | 07:12 | 06:48 | 07:41 (A2) | 07:15 07:48 (A2) |
| | 20:20 | 19:44 | 26 07:56 (A3) | 18:54 | 28 07:47 (A3) | 18:06 | 16:33 | 24 08:05 (A2) | 16:32 34 08:22 (A2) |
| 23 | 05:43 | 06:13 | 07:27 (A3) | 06:43 | 07:21 (A3) | 07:14 | 06:49 | 07:40 (A2) | 07:15 07:48 (A2) |
| | 20:19 | 19:42 | 31 07:58 (A3) | 18:52 | 23 07:44 (A3) | 18:05 | 16:33 | 26 08:06 (A2) | 16:32 34 08:22 (A2) |
| 24 | 05:44 | 06:14 | 07:25 (A3) | 06:43 | 07:25 (A3) | 07:15 | 06:50 | 07:40 (A2) | 07:16 07:49 (A2) |
| | 20:18 | 19:41 | 34 07:59 (A3) | 18:50 | 15 07:40 (A3) | 18:03 | 16:32 | 27 08:07 (A2) | 16:33 35 08:24 (A2) |
| 25 | 05:45 | 06:15 | 07:23 (A3) | 06:44 | | 06:16 | 06:51 | 07:40 (A2) | 07:16 07:50 (A2) |
| | 20:18 | 19:39 | 37 08:00 (A3) | 18:49 | | 17:02 | 16:32 | 29 08:09 (A2) | 16:33 34 08:24 (A2) |
| 26 | 05:46 | 06:15 | 07:21 (A3) | 06:45 | | 06:17 | 06:53 | 07:40 (A2) | 07:17 07:50 (A2) |
| | 20:17 | 19:38 | 40 08:01 (A3) | 18:47 | | 17:01 | 16:31 | 29 08:09 (A2) | 16:34 34 08:24 (A2) |
| 27 | 05:47 | 06:16 | 07:20 (A3) | 06:46 | | 06:18 | 06:54 | 07:40 (A2) | 07:17 07:51 (A2) |
| | 20:16 | 19:36 | 42 08:02 (A3) | 18:45 | | 16:59 | 16:31 | 30 08:10 (A2) | 16:35 34 08:25 (A2) |
| 28 | 05:48 | 06:17 | 07:19 (A3) | 06:47 | | 06:19 | 06:55 | 07:40 (A2) | 07:17 07:51 (A2) |
| | 20:15 | 19:35 | 44 08:03 (A3) | 18:44 | | 16:58 | 16:30 | 31 08:11 (A2) | 16:35 34 08:25 (A2) |
| 29 | 05:49 | 06:18 | 07:18 (A3) | 06:48 | | 06:20 | 06:56 | 07:39 (A2) | 07:18 07:51 (A2) |
| | 20:14 | 19:33 | 46 08:04 (A3) | 18:42 | | 16:57 | 16:30 | 32 08:11 (A2) | 16:36 34 08:25 (A2) |
| 30 | 05:49 | 06:19 | 07:17 (A3) | 06:49 | | 06:21 | 06:57 | 07:39 (A2) | 07:18 07:52 (A2) |
| | 20:13 | 19:32 | 47 08:04 (A3) | 18:41 | | 16:56 | 16:30 | 33 08:12 (A2) | 16:37 34 08:26 (A2) |
| 31 | 05:50 | 06:20 | 07:16 (A3) | | | 06:23 | | | 07:18 07:52 (A2) |
| | 20:12 | 19:30 | 49 08:05 (A3) | | | 16:54 | | | 16:37 34 08:26 (A2) |
| Ore potenziali eliofanìa | 457 | 427 | | 375 | | 346 | 299 | | 290 |
| Totale, caso peggiore | | | 433 | 1089 | | 334 | | 1054 | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R6 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (6)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | | Febbraio | | Marzo | | Aprile | | Maggio | | Giugno | |
|--------------------------|---------|----|------------|-------|------------|-------|------------|------------|--------|-------------|--------|-------|
| 1 | 07:18 | | 07:45 (A9) | 07:05 | 07:44 (A9) | 06:30 | 08:07 (A9) | 06:40 | | 05:55 | 05:27 | |
| | 16:38 | 58 | 08:43 (A9) | 17:12 | 09:04 (A9) | 17:45 | 29 | 08:36 (A9) | 06:18 | 19:49 | 20:18 | |
| 2 | 07:18 | | 07:45 (A9) | 07:04 | 07:45 (A9) | 06:29 | | 08:10 (A9) | 06:39 | 05:54 | 05:27 | |
| | 16:39 | 59 | 08:44 (A9) | 17:13 | 09:04 (A9) | 17:46 | 21 | 08:31 (A9) | 06:39 | 19:50 | 20:19 | |
| 3 | 07:18 | | 07:45 (A9) | 07:03 | 07:45 (A9) | 06:27 | | | 06:37 | 05:53 | 05:26 | |
| | 16:40 | 59 | 08:44 (A9) | 17:14 | 09:04 (A9) | 17:48 | | | 19:21 | 19:52 | 20:20 | |
| 4 | 07:18 | | 07:46 (A9) | 07:02 | 07:45 (A9) | 06:26 | | | 06:35 | 05:52 | 05:26 | |
| | 16:41 | 59 | 08:45 (A9) | 17:16 | 09:04 (A9) | 17:49 | | | 19:22 | 19:53 | 20:20 | |
| 5 | 07:18 | | 07:46 (A9) | 07:01 | 07:45 (A9) | 06:24 | | | 06:34 | 05:50 | 05:26 | |
| | 16:42 | 60 | 08:46 (A9) | 17:17 | 09:04 (A9) | 17:50 | | | 19:23 | 19:54 | 20:21 | |
| 6 | 07:18 | | 07:46 (A9) | 07:00 | 07:45 (A9) | 06:22 | | | 06:32 | 05:49 | 05:25 | |
| | 16:43 | 61 | 08:47 (A9) | 17:18 | 09:04 (A9) | 17:51 | | | 19:24 | 19:55 | 20:22 | |
| 7 | 07:18 | | 07:46 (A9) | 06:59 | 07:46 (A9) | 06:21 | | | 06:31 | 05:48 | 05:25 | |
| | 16:44 | 62 | 08:48 (A9) | 17:19 | 09:04 (A9) | 17:52 | | | 19:25 | 19:56 | 20:22 | |
| 8 | 07:18 | | 07:46 (A9) | 06:58 | 07:46 (A9) | 06:19 | | | 06:29 | 05:47 | 05:25 | |
| | 16:45 | 63 | 08:49 (A9) | 17:21 | 09:04 (A9) | 17:53 | | | 19:26 | 19:57 | 20:23 | |
| 9 | 07:18 | | 07:46 (A9) | 06:57 | 07:46 (A9) | 06:18 | | | 06:27 | 05:46 | 05:25 | |
| | 16:46 | 64 | 08:50 (A9) | 17:22 | 09:03 (A9) | 17:54 | | | 19:27 | 19:58 | 20:24 | |
| 10 | 07:18 | | 07:45 (A9) | 06:56 | 07:46 (A9) | 06:16 | | | 06:26 | 05:45 | 05:24 | |
| | 16:47 | 65 | 08:50 (A9) | 17:23 | 09:03 (A9) | 17:55 | | | 19:28 | 19:59 | 20:24 | |
| 11 | 07:18 | | 07:46 (A9) | 06:55 | 07:47 (A9) | 06:15 | | | 06:24 | 05:44 | 05:24 | |
| | 16:48 | 65 | 08:51 (A9) | 17:24 | 09:03 (A9) | 17:56 | | | 19:29 | 20:00 | 20:25 | |
| 12 | 07:17 | | 07:46 (A9) | 06:53 | 07:47 (A9) | 06:13 | | | 06:23 | 05:42 | 05:24 | |
| | 16:49 | 67 | 08:53 (A9) | 17:25 | 09:03 (A9) | 17:57 | | | 19:30 | 20:01 | 20:25 | |
| 13 | 07:17 | | 07:45 (A9) | 06:52 | 07:47 (A9) | 06:11 | | | 06:21 | 05:41 | 05:24 | |
| | 16:50 | 68 | 08:53 (A9) | 17:27 | 09:01 (A9) | 17:59 | | | 19:31 | 20:02 | 20:26 | |
| 14 | 07:17 | | 07:45 (A9) | 06:51 | 07:48 (A9) | 06:10 | | | 06:20 | 06:38 (A10) | 05:40 | 05:24 |
| | 16:51 | 69 | 08:54 (A9) | 17:28 | 09:01 (A9) | 18:00 | | 1 | 19:32 | 06:39 (A10) | 20:03 | 20:26 |
| 15 | 07:17 | | 07:46 (A9) | 06:50 | 07:49 (A9) | 06:08 | | | 06:18 | 06:36 (A10) | 05:39 | 05:24 |
| | 16:52 | 69 | 08:55 (A9) | 17:29 | 09:01 (A9) | 18:01 | | 2 | 19:33 | 06:38 (A10) | 20:04 | 20:26 |
| 16 | 07:16 | | 07:45 (A9) | 06:48 | 07:50 (A9) | 06:07 | | | 06:17 | 06:35 (A10) | 05:39 | 05:24 |
| | 16:53 | 71 | 08:56 (A9) | 17:30 | 09:00 (A9) | 18:02 | | 3 | 19:34 | 06:38 (A10) | 20:04 | 20:27 |
| 17 | 07:16 | | 07:45 (A9) | 06:47 | 07:50 (A9) | 06:05 | | | 06:15 | 06:34 (A10) | 05:38 | 05:24 |
| | 16:54 | 72 | 08:57 (A9) | 17:31 | 08:58 (A9) | 18:03 | | 4 | 19:35 | 06:38 (A10) | 20:05 | 20:27 |
| 18 | 07:15 | | 07:45 (A9) | 06:46 | 07:51 (A9) | 06:03 | | | 06:14 | 06:32 (A10) | 05:37 | 05:24 |
| | 16:55 | 72 | 08:57 (A9) | 17:33 | 08:58 (A9) | 18:04 | | 5 | 19:36 | 06:37 (A10) | 20:06 | 20:28 |
| 19 | 07:15 | | 07:44 (A9) | 06:44 | 07:52 (A9) | 06:02 | | | 06:12 | 06:31 (A10) | 05:36 | 05:24 |
| | 16:56 | 73 | 08:57 (A9) | 17:34 | 08:57 (A9) | 18:05 | | 5 | 19:37 | 06:36 (A10) | 20:07 | 20:28 |
| 20 | 07:14 | | 07:45 (A9) | 06:43 | 07:52 (A9) | 06:00 | | | 06:11 | 06:29 (A10) | 05:35 | 05:24 |
| | 16:58 | 74 | 08:59 (A9) | 17:35 | 08:55 (A9) | 18:06 | | 6 | 19:38 | 06:35 (A10) | 20:08 | 20:28 |
| 21 | 07:14 | | 07:44 (A9) | 06:42 | 07:53 (A9) | 05:58 | | | 06:09 | 06:28 (A10) | 05:34 | 05:24 |
| | 16:59 | 75 | 08:59 (A9) | 17:36 | 08:54 (A9) | 18:07 | | 6 | 19:39 | 06:34 (A10) | 20:09 | 20:28 |
| 22 | 07:13 | | 07:45 (A9) | 06:40 | 07:54 (A9) | 05:57 | | | 06:08 | 06:26 (A10) | 05:33 | 05:25 |
| | 17:00 | 75 | 09:00 (A9) | 17:37 | 08:52 (A9) | 18:08 | | 6 | 19:40 | 06:32 (A10) | 20:10 | 20:29 |
| 23 | 07:12 | | 07:45 (A9) | 06:39 | 07:56 (A9) | 05:55 | | | 06:06 | 06:25 (A10) | 05:33 | 05:25 |
| | 17:01 | 76 | 09:01 (A9) | 17:38 | 08:51 (A9) | 18:09 | | 4 | 19:41 | 06:29 (A10) | 20:11 | 20:29 |
| 24 | 07:12 | | 07:44 (A9) | 06:37 | 07:56 (A9) | 05:53 | | | 06:05 | 05:32 | 05:25 | |
| | 17:02 | 77 | 09:01 (A9) | 17:40 | 08:49 (A9) | 18:10 | | | 19:42 | 20:12 | 20:29 | |
| 25 | 07:11 | | 07:44 (A9) | 06:36 | 07:58 (A9) | 05:52 | | | 06:03 | 05:31 | 05:25 | |
| | 17:04 | 77 | 09:01 (A9) | 17:41 | 08:47 (A9) | 18:11 | | | 19:43 | 20:13 | 20:29 | |
| 26 | 07:10 | | 07:45 (A9) | 06:35 | 07:59 (A9) | 05:50 | | | 06:02 | 05:31 | 05:26 | |
| | 17:05 | 78 | 09:03 (A9) | 17:42 | 08:44 (A9) | 18:12 | | | 19:44 | 20:13 | 20:29 | |
| 27 | 07:10 | | 07:45 (A9) | 06:33 | 08:02 (A9) | 05:48 | | | 06:01 | 05:30 | 05:26 | |
| | 17:06 | 78 | 09:03 (A9) | 17:43 | 08:42 (A9) | 18:13 | | | 19:45 | 20:14 | 20:29 | |
| 28 | 07:09 | | 07:45 (A9) | 06:32 | 08:04 (A9) | 05:47 | | | 05:59 | 05:29 | 05:27 | |
| | 17:07 | 78 | 09:03 (A9) | 17:44 | 08:39 (A9) | 18:14 | | | 19:46 | 20:15 | 20:29 | |
| 29 | 07:08 | | 07:44 (A9) | | | 06:45 | | | 05:58 | 05:29 | 05:27 | |
| | 17:08 | 79 | 09:03 (A9) | | | 19:15 | | | 19:47 | 20:16 | 20:29 | |
| 30 | 07:07 | | 07:44 (A9) | | | 06:44 | | | 05:57 | 05:28 | 05:27 | |
| | 17:10 | 80 | 09:04 (A9) | | | 19:16 | | | 19:48 | 20:17 | 20:29 | |
| 31 | 07:06 | | 07:44 (A9) | | | 06:42 | | | | 05:28 | | |
| | 17:11 | 80 | 09:04 (A9) | | | 19:17 | | | | 20:18 | | |
| Ore potenziali eliofania | 299 | | 298 | | 370 | | | 398 | | 447 | | 450 |
| Totale, caso peggiore | 2163 | | 1885 | | 50 | | | 42 | | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R6 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (6)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre | | | | |
|--------------------------|--------|--------|---------------|---------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1 | 05:28 | 05:51 | 06:21 | 06:50 | 06:24 | 07:16 (A9) | 06:58 | 07:28 (A9) | | |
| | 20:29 | 20:11 | 19:28 | 18:39 | 16:53 | 77 08:33 (A9) | 16:29 | 65 08:33 (A9) | | |
| 2 | 05:28 | 05:52 | 06:22 | 06:51 | 06:25 | 07:15 (A9) | 06:59 | 07:28 (A9) | | |
| | 20:29 | 20:10 | 19:27 | 18:37 | 16:52 | 78 08:33 (A9) | 16:29 | 65 08:33 (A9) | | |
| 3 | 05:29 | 05:53 | 06:23 | 06:52 | 06:26 | 07:15 (A9) | 07:00 | 07:29 (A9) | | |
| | 20:29 | 20:09 | 19:25 | 18:35 | 16:51 | 78 08:33 (A9) | 16:29 | 64 08:33 (A9) | | |
| 4 | 05:29 | 05:54 | 06:24 | 06:53 | 06:27 | 07:16 (A9) | 07:01 | 07:30 (A9) | | |
| | 20:29 | 20:07 | 19:24 | 18:34 | 16:49 | 78 08:34 (A9) | 16:29 | 63 08:33 (A9) | | |
| 5 | 05:30 | 05:55 | 06:25 | 06:54 | 06:28 | 07:15 (A9) | 07:02 | 07:31 (A9) | | |
| | 20:28 | 20:06 | 19:22 | 18:32 | 16:48 | 79 08:34 (A9) | 16:28 | 62 08:33 (A9) | | |
| 6 | 05:30 | 05:56 | 06:26 | 06:55 | 06:29 | 07:15 (A9) | 07:03 | 07:32 (A9) | | |
| | 20:28 | 20:05 | 19:20 | 18:31 | 16:47 | 79 08:34 (A9) | 16:28 | 61 08:33 (A9) | | |
| 7 | 05:31 | 05:57 | 06:27 | 06:56 | 06:31 | 07:15 (A9) | 07:04 | 07:33 (A9) | | |
| | 20:28 | 20:04 | 19:19 | 18:29 | 16:46 | 79 08:34 (A9) | 16:28 | 60 08:33 (A9) | | |
| 8 | 05:32 | 05:58 | 06:28 | 06:57 | 06:32 | 07:16 (A9) | 07:05 | 07:34 (A9) | | |
| | 20:28 | 20:03 | 19:17 | 18:27 | 16:45 | 79 08:35 (A9) | 16:28 | 59 08:33 (A9) | | |
| 9 | 05:32 | 05:59 | 06:29 | 06:58 | 06:33 | 07:15 (A9) | 07:05 | 07:35 (A9) | | |
| | 20:27 | 20:01 | 19:15 | 18:26 | 16:44 | 80 08:35 (A9) | 16:28 | 58 08:33 (A9) | | |
| 10 | 05:33 | 06:00 | 06:30 | 06:59 | 06:34 | 07:15 (A9) | 07:06 | 07:35 (A9) | | |
| | 20:27 | 20:00 | 19:14 | 18:24 | 16:43 | 80 08:35 (A9) | 16:28 | 59 08:34 (A9) | | |
| 11 | 05:34 | 06:01 | 06:31 | 07:00 | 08:48 (A9) | 06:35 | 07:15 (A9) | 07:07 | 07:36 (A9) | |
| | 20:26 | 19:59 | 19:12 | 18:23 | 14 09:02 (A9) | 16:42 | 80 08:35 (A9) | 16:28 | 58 08:34 (A9) | |
| 12 | 05:34 | 06:02 | 06:32 | 07:02 | 08:43 (A9) | 06:36 | 07:16 (A9) | 07:08 | 07:36 (A9) | |
| | 20:26 | 19:58 | 19:10 | 18:21 | 24 09:07 (A9) | 16:41 | 79 08:35 (A9) | 16:28 | 57 08:33 (A9) | |
| 13 | 05:35 | 06:03 | 06:33 | 07:03 | 08:39 (A9) | 06:38 | 07:16 (A9) | 07:09 | 07:37 (A9) | |
| | 20:26 | 19:56 | 19:09 | 18:19 | 32 09:11 (A9) | 16:40 | 79 08:35 (A9) | 16:29 | 57 08:34 (A9) | |
| 14 | 05:36 | 06:04 | 06:34 | 07:04 | 08:36 (A9) | 06:39 | 07:17 (A9) | 07:09 | 07:38 (A9) | |
| | 20:25 | 19:55 | 19:07 | 18:18 | 38 09:14 (A9) | 16:39 | 78 08:35 (A9) | 16:29 | 56 08:34 (A9) | |
| 15 | 05:37 | 06:05 | 06:35 | 07:05 | 08:33 (A9) | 06:40 | 07:17 (A9) | 07:10 | 07:39 (A9) | |
| | 20:25 | 19:54 | 19:05 | 18:16 | 43 09:16 (A9) | 16:38 | 78 08:35 (A9) | 16:29 | 55 08:34 (A9) | |
| 16 | 05:37 | 06:06 | 06:36 | 07:06 | 08:31 (A9) | 06:41 | 07:18 (A9) | 07:11 | 07:39 (A9) | |
| | 20:24 | 19:52 | 19:04 | 18:15 | 47 09:18 (A9) | 16:38 | 78 08:36 (A9) | 16:29 | 55 08:34 (A9) | |
| 17 | 05:38 | 06:07 | 06:37 | 07:07 | 08:29 (A9) | 06:42 | 07:18 (A9) | 07:12 | 07:40 (A9) | |
| | 20:23 | 19:51 | 19:02 | 18:13 | 50 09:19 (A9) | 16:37 | 77 08:35 (A9) | 16:29 | 55 08:35 (A9) | |
| 18 | 05:39 | 06:08 | 06:37 | 07:08 | 08:27 (A9) | 06:43 | 07:18 (A9) | 07:12 | 07:40 (A9) | |
| | 20:23 | 19:50 | 19:00 | 18:12 | 54 09:21 (A9) | 16:36 | 77 08:35 (A9) | 16:30 | 54 08:34 (A9) | |
| 19 | 05:40 | 06:09 | 06:38 | 07:09 | 08:26 (A9) | 06:45 | 07:19 (A9) | 07:13 | 07:41 (A9) | |
| | 20:22 | 19:48 | 18:59 | 18:10 | 56 09:22 (A9) | 16:35 | 76 08:35 (A9) | 16:30 | 54 08:35 (A9) | |
| 20 | 05:41 | 06:09 | 06:39 | 07:10 | 08:25 (A9) | 06:46 | 07:19 (A9) | 07:13 | 07:42 (A9) | |
| | 20:21 | 19:47 | 5 06:36 (A10) | 18:57 | 18:09 | 59 09:24 (A9) | 16:35 | 75 08:34 (A9) | 16:31 | 54 08:36 (A9) |
| 21 | 05:41 | 06:10 | 06:32 (A10) | 06:40 | 07:11 | 08:24 (A9) | 06:47 | 07:21 (A9) | 07:14 | 07:42 (A9) |
| | 20:21 | 19:45 | 6 06:38 (A10) | 18:55 | 18:08 | 61 09:25 (A9) | 16:34 | 74 08:35 (A9) | 16:31 | 54 08:36 (A9) |
| 22 | 05:42 | 06:11 | 06:32 (A10) | 06:41 | 07:12 | 08:22 (A9) | 06:48 | 07:21 (A9) | 07:15 | 07:43 (A9) |
| | 20:20 | 19:44 | 6 06:38 (A10) | 18:54 | 18:06 | 64 09:26 (A9) | 16:33 | 74 08:35 (A9) | 16:32 | 54 08:37 (A9) |
| 23 | 05:43 | 06:12 | 06:33 (A10) | 06:42 | 07:13 | 08:21 (A9) | 06:49 | 07:21 (A9) | 07:15 | 07:43 (A9) |
| | 20:19 | 19:42 | 6 06:39 (A10) | 18:52 | 18:05 | 66 09:27 (A9) | 16:33 | 73 08:34 (A9) | 16:32 | 54 08:37 (A9) |
| 24 | 05:44 | 06:13 | 06:34 (A10) | 06:43 | 07:14 | 08:20 (A9) | 06:50 | 07:22 (A9) | 07:16 | 07:43 (A9) |
| | 20:18 | 19:41 | 5 06:39 (A10) | 18:50 | 18:03 | 68 09:28 (A9) | 16:32 | 72 08:34 (A9) | 16:33 | 54 08:37 (A9) |
| 25 | 05:45 | 06:14 | 06:35 (A10) | 06:44 | 06:16 | 07:19 (A9) | 06:51 | 07:23 (A9) | 07:16 | 07:44 (A9) |
| | 20:17 | 19:39 | 5 06:40 (A10) | 18:49 | 17:02 | 69 08:28 (A9) | 16:32 | 71 08:34 (A9) | 16:33 | 54 08:38 (A9) |
| 26 | 05:46 | 06:15 | 06:36 (A10) | 06:45 | 06:17 | 07:19 (A9) | 06:52 | 07:24 (A9) | 07:16 | 07:44 (A9) |
| | 20:16 | 19:38 | 4 06:40 (A10) | 18:47 | 17:01 | 71 08:30 (A9) | 16:31 | 71 08:35 (A9) | 16:34 | 55 08:39 (A9) |
| 27 | 05:47 | 06:16 | 06:37 (A10) | 06:46 | 06:18 | 07:18 (A9) | 06:54 | 07:25 (A9) | 07:17 | 07:44 (A9) |
| | 20:16 | 19:36 | 3 06:40 (A10) | 18:45 | 16:59 | 72 08:30 (A9) | 16:31 | 69 08:34 (A9) | 16:34 | 55 08:39 (A9) |
| 28 | 05:47 | 06:17 | 06:38 (A10) | 06:47 | 06:19 | 07:17 (A9) | 06:55 | 07:25 (A9) | 07:17 | 07:45 (A9) |
| | 20:15 | 19:35 | 2 06:40 (A10) | 18:44 | 16:58 | 74 08:31 (A9) | 16:30 | 69 08:34 (A9) | 16:35 | 55 08:40 (A9) |
| 29 | 05:48 | 06:18 | 06:39 (A10) | 06:48 | 06:20 | 07:17 (A9) | 06:56 | 07:26 (A9) | 07:17 | 07:45 (A9) |
| | 20:14 | 19:33 | 1 06:40 (A10) | 18:42 | 16:57 | 74 08:31 (A9) | 16:30 | 68 08:34 (A9) | 16:36 | 56 08:41 (A9) |
| 30 | 05:49 | 06:19 | 06:40 (A10) | 06:49 | 06:21 | 07:16 (A9) | 06:57 | 07:27 (A9) | 07:18 | 07:45 (A9) |
| | 20:13 | 19:32 | | 18:40 | 16:55 | 76 08:32 (A9) | 16:30 | 67 08:34 (A9) | 16:37 | 56 08:41 (A9) |
| 31 | 05:50 | 06:20 | | | 06:22 | 07:16 (A9) | | | 07:18 | 07:45 (A9) |
| | 20:12 | 19:30 | | | 16:54 | 77 08:33 (A9) | | | 16:37 | 57 08:42 (A9) |
| Ore potenziali eliofania | 457 | 427 | | | | 299 | | | 290 | |
| Totale, caso peggiore | | | 43 | 375 | 346 | 1189 | 2272 | | 1775 | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R7 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (7)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno | |
|--------------------------|----------------|----------------|--------------------------|------------------|--------------------------|----------------|----------------|
| 1 | 07:18 16:38 | 07:05 17:12 | 06:30 17:45 | 17:06 (A1) 18 | 06:40 17:24 (A1) | 05:55 19:19 | 05:27 20:18 |
| 2 | 07:18 16:39 | 07:04 17:13 | 06:29 17:47 | 20 | 17:05 (A1) 17:25 (A1) | 06:39 19:20 | 05:54 19:51 |
| 3 | 07:18 16:40 | 07:03 17:15 | 06:27 17:48 | 21 | 17:06 (A1) 17:27 (A1) | 06:37 19:21 | 05:53 19:52 |
| 4 | 07:18 16:41 | 07:02 17:16 | 06:26 17:49 | 22 | 17:05 (A1) 17:27 (A1) | 06:36 19:22 | 05:52 19:53 |
| 5 | 07:18 16:42 | 07:01 17:17 | 06:24 17:50 | 23 | 17:06 (A1) 17:29 (A1) | 06:34 19:23 | 05:50 19:54 |
| 6 | 07:18 16:43 | 07:00 17:18 | 06:23 17:51 | 24 | 17:06 (A1) 17:30 (A1) | 06:32 19:24 | 05:49 19:55 |
| 7 | 07:18 16:44 | 06:59 17:19 | 06:21 17:52 | 24 | 17:07 (A1) 17:31 (A1) | 06:31 19:25 | 05:48 19:56 |
| 8 | 07:18 16:45 | 06:58 17:21 | 06:19 17:53 | 25 | 17:07 (A1) 17:32 (A1) | 06:29 19:26 | 05:47 19:57 |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | 25 | 17:08 (A1) 17:33 (A1) | 06:28 19:27 | 05:46 19:58 |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | 26 | 17:09 (A1) 17:35 (A1) | 06:26 19:28 | 05:45 19:59 |
| 11 | 07:18 16:48 | 06:55 17:24 | 06:15 17:56 | 25 | 17:10 (A1) 17:35 (A1) | 06:24 19:29 | 05:44 20:00 |
| 12 | 07:18 16:49 | 06:54 17:26 | 06:13 17:58 | 21 | 17:13 (A1) 17:34 (A1) | 06:23 19:30 | 05:43 20:01 |
| 13 | 07:17 16:50 | 06:52 17:27 | 06:11 17:59 | 15 | 17:15 (A1) 17:30 (A1) | 06:21 19:31 | 05:42 20:02 |
| 14 | 07:17 16:51 | 06:51 17:28 | 06:10 18:00 | | 06:20 19:32 | 05:41 20:03 | 05:24 20:26 |
| 15 | 07:17 16:52 | 06:50 17:29 | 06:08 18:01 | | 06:18 19:33 | 05:40 20:04 | 05:24 20:27 |
| 16 | 07:16 16:53 | 06:49 17:30 | 06:07 18:02 | | 06:17 19:34 | 05:39 20:05 | 05:24 20:27 |
| 17 | 07:16 16:54 | 06:47 17:32 | 06:05 18:03 | | 06:15 19:35 | 05:38 20:05 | 05:24 20:27 |
| 18 | 07:15 16:55 | 06:46 17:33 | 06:03 18:04 | | 06:14 19:36 | 05:37 20:06 | 05:24 20:28 |
| 19 | 07:15 16:57 | 06:45 17:34 | 06:02 18:05 | | 06:12 19:37 | 05:36 20:07 | 05:24 20:28 |
| 20 | 07:14 16:58 | 06:43 17:35 | 06:00 18:06 | | 06:11 19:38 | 05:35 20:08 | 05:24 20:28 |
| 21 | 07:14 16:59 | 06:42 17:36 | 17:12 (A1) 17:15 (A1) | 3 | 05:58 18:07 | 05:34 20:09 | 05:25 20:28 |
| 22 | 07:13 17:00 | 06:40 17:37 | 17:10 (A1) 17:15 (A1) | 5 | 05:57 18:08 | 05:33 20:10 | 05:25 20:29 |
| 23 | 07:12 17:01 | 06:39 17:39 | 17:09 (A1) 17:17 (A1) | 8 | 05:55 18:09 | 05:33 20:11 | 05:25 20:29 |
| 24 | 07:12 17:02 | 06:38 17:40 | 17:09 (A1) 17:19 (A1) | 10 | 05:54 18:10 | 05:32 20:12 | 05:25 20:29 |
| 25 | 07:11 17:04 | 06:36 17:41 | 17:08 (A1) 17:19 (A1) | 11 | 05:52 18:11 | 05:31 20:13 | 05:26 20:29 |
| 26 | 07:10 17:05 | 06:35 17:42 | 17:07 (A1) 17:21 (A1) | 14 | 05:50 18:12 | 05:31 20:14 | 05:26 20:29 |
| 27 | 07:10 17:06 | 06:33 17:43 | 17:06 (A1) 17:22 (A1) | 16 | 05:49 18:13 | 05:30 20:14 | 05:26 20:29 |
| 28 | 07:09 17:07 | 06:32 17:44 | 17:07 (A1) 17:23 (A1) | 16 | 05:47 18:14 | 05:29 20:15 | 05:27 20:29 |
| 29 | 07:08 17:08 | | | | 06:45 19:15 | 05:29 20:16 | 05:27 20:29 |
| 30 | 07:07 17:10 | | | | 06:44 19:16 | 05:28 20:17 | 05:27 20:29 |
| 31 | 07:06 17:11 | | | | 06:42 19:18 | 05:28 20:18 | |
| Ore potenziali eliofanìa | 299 | 298 | 370 | 289 | 398 | 447 | 450 |
| Totale, caso peggiore | | 83 | | | | | 85 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R7 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (7)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | | Ottobre | | Novembre | Dicembre | | |
|--------------------------|--------|------------|------------|-------|------------|------------|------------|------------|-------|-------|
| 1 | 05:28 | 20:02 (A2) | 05:51 | 06:21 | 06:50 | 17:52 (A1) | 06:24 | 06:58 | | |
| | 20:29 | 2 | 20:04 (A2) | 20:11 | 19:28 | 18:39 | 19 | 18:11 (A1) | 16:53 | 16:29 |
| 2 | 05:28 | 20:03 (A2) | 05:52 | 06:22 | 06:51 | 17:50 (A1) | 06:25 | 06:59 | | |
| | 20:29 | 1 | 20:04 (A2) | 20:10 | 19:27 | 18:37 | 23 | 18:13 (A1) | 16:52 | 16:29 |
| 3 | 05:29 | | 05:53 | 06:23 | 06:52 | 17:48 (A1) | 06:26 | 07:00 | | |
| | 20:29 | | 20:09 | 19:25 | 18:36 | 25 | 18:13 (A1) | 16:51 | 16:29 | |
| 4 | 05:29 | | 05:54 | 06:24 | 06:53 | 17:46 (A1) | 06:27 | 07:01 | | |
| | 20:29 | | 20:07 | 19:24 | 18:34 | 25 | 18:11 (A1) | 16:49 | 16:29 | |
| 5 | 05:30 | | 05:55 | 06:25 | 06:54 | 17:44 (A1) | 06:28 | 07:02 | | |
| | 20:29 | | 20:06 | 19:22 | 18:32 | 25 | 18:09 (A1) | 16:48 | 16:29 | |
| 6 | 05:31 | | 05:56 | 06:26 | 06:55 | 17:43 (A1) | 06:29 | 07:03 | | |
| | 20:28 | | 20:05 | 19:20 | 18:31 | 25 | 18:08 (A1) | 16:47 | 16:28 | |
| 7 | 05:31 | | 05:57 | 06:27 | 06:56 | 17:42 (A1) | 06:31 | 07:04 | | |
| | 20:28 | | 20:04 | 19:19 | 18:29 | 24 | 18:06 (A1) | 16:46 | 16:28 | |
| 8 | 05:32 | | 05:58 | 06:28 | 06:57 | 17:41 (A1) | 06:32 | 07:05 | | |
| | 20:28 | | 20:03 | 19:17 | 18:27 | 23 | 18:04 (A1) | 16:45 | 16:28 | |
| 9 | 05:32 | | 05:59 | 06:29 | 06:58 | 17:40 (A1) | 06:33 | 07:05 | | |
| | 20:27 | | 20:02 | 19:15 | 18:26 | 23 | 18:03 (A1) | 16:44 | 16:28 | |
| 10 | 05:33 | | 06:00 | 06:30 | 07:00 | 17:40 (A1) | 06:34 | 07:06 | | |
| | 20:27 | | 20:00 | 19:14 | 18:24 | 22 | 18:02 (A1) | 16:43 | 16:28 | |
| 11 | 05:34 | | 06:01 | 06:31 | 07:01 | 17:40 (A1) | 06:35 | 07:07 | | |
| | 20:27 | | 19:59 | 19:12 | 18:23 | 20 | 18:00 (A1) | 16:42 | 16:28 | |
| 12 | 05:34 | | 06:02 | 06:32 | 07:02 | 17:40 (A1) | 06:36 | 07:08 | | |
| | 20:26 | | 19:58 | 19:11 | 18:21 | 19 | 17:59 (A1) | 16:41 | 16:28 | |
| 13 | 05:35 | | 06:03 | 06:33 | 07:03 | 17:39 (A1) | 06:38 | 07:09 | | |
| | 20:26 | | 19:56 | 19:09 | 18:20 | 18 | 17:57 (A1) | 16:40 | 16:29 | |
| 14 | 05:36 | | 06:04 | 06:34 | 07:04 | 17:39 (A1) | 06:39 | 07:10 | | |
| | 20:25 | | 19:55 | 19:07 | 18:18 | 16 | 17:55 (A1) | 16:39 | 16:29 | |
| 15 | 05:37 | | 06:05 | 06:35 | 07:05 | 17:39 (A1) | 06:40 | 07:10 | | |
| | 20:25 | | 19:54 | 19:06 | 18:16 | 15 | 17:54 (A1) | 16:38 | 16:29 | |
| 16 | 05:37 | | 06:06 | 06:36 | 07:06 | 17:39 (A1) | 06:41 | 07:11 | | |
| | 20:24 | | 19:52 | 19:04 | 18:15 | 13 | 17:52 (A1) | 16:38 | 16:29 | |
| 17 | 05:38 | | 06:07 | 06:37 | 07:07 | 17:39 (A1) | 06:42 | 07:12 | | |
| | 20:23 | | 19:51 | 19:02 | 18:13 | 11 | 17:50 (A1) | 16:37 | 16:30 | |
| 18 | 05:39 | | 06:08 | 06:38 | 07:08 | 17:40 (A1) | 06:43 | 07:12 | | |
| | 20:23 | | 19:50 | 19:00 | 18:12 | 9 | 17:49 (A1) | 16:36 | 16:30 | |
| 19 | 05:40 | | 06:09 | 06:39 | 07:09 | 17:40 (A1) | 06:45 | 07:13 | | |
| | 20:22 | | 19:48 | 18:59 | 18:11 | 7 | 17:47 (A1) | 16:35 | 16:30 | |
| 20 | 05:41 | | 06:10 | 06:40 | 07:10 | 17:42 (A1) | 06:46 | 07:14 | | |
| | 20:21 | | 19:47 | 18:57 | 18:09 | 4 | 17:46 (A1) | 16:35 | 16:31 | |
| 21 | 05:41 | | 06:11 | 06:40 | 07:11 | 17:43 (A1) | 06:47 | 07:14 | | |
| | 20:21 | | 19:45 | 18:55 | 18:08 | 2 | 17:45 (A1) | 16:34 | 16:31 | |
| 22 | 05:42 | | 06:12 | 06:41 | 07:12 | | 06:48 | 07:15 | | |
| | 20:20 | | 19:44 | 18:54 | 18:06 | | 16:33 | 16:32 | | |
| 23 | 05:43 | | 06:13 | 06:42 | 07:13 | | 06:49 | 07:15 | | |
| | 20:19 | | 19:42 | 18:52 | 18:05 | | 16:33 | 16:32 | | |
| 24 | 05:44 | | 06:13 | 06:43 | 07:15 | | 06:50 | 07:16 | | |
| | 20:18 | | 19:41 | 18:50 | 18:03 | | 16:32 | 16:33 | | |
| 25 | 05:45 | | 06:14 | 06:44 | 06:16 | | 06:51 | 07:16 | | |
| | 20:17 | | 19:39 | 18:49 | 17:02 | | 16:32 | 16:33 | | |
| 26 | 05:46 | | 06:15 | 06:45 | 06:17 | | 06:52 | 07:16 | | |
| | 20:17 | | 19:38 | 18:47 | 17:01 | | 16:31 | 16:34 | | |
| 27 | 05:47 | | 06:16 | 06:46 | 06:18 | | 06:54 | 07:17 | | |
| | 20:16 | | 19:36 | 18:45 | 16:59 | | 16:31 | 16:35 | | |
| 28 | 05:48 | | 06:17 | 06:47 | 06:19 | | 06:55 | 07:17 | | |
| | 20:15 | | 19:35 | 18:44 | 16:58 | | 16:30 | 16:35 | | |
| 29 | 05:49 | | 06:18 | 06:48 | 06:20 | | 06:56 | 07:17 | | |
| | 20:14 | | 19:33 | 18:42 | 16:57 | | 16:30 | 16:36 | | |
| 30 | 05:49 | | 06:19 | 06:49 | 17:56 (A1) | 06:21 | 06:57 | 07:18 | | |
| | 20:13 | | 19:32 | 18:40 | 12 | 18:08 (A1) | 16:55 | 16:37 | | |
| 31 | 05:50 | | 06:20 | | | | | 07:18 | | |
| | 20:12 | | 19:30 | | | | | 16:37 | | |
| Ore potenziali eliofanìa | 457 | | 427 | | 346 | | 299 | 290 | | |
| Totale, caso peggiore | 3 | | | 12 | | 368 | | | | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R8 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (8)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | | Febbraio | | Marzo | | Aprile | | Maggio | | Giugno | |
|--------------------------|---------|---------------|----------|---------------|-------|-------|--------|-------------|--------|----------------|--------|---------------|
| 1 | 07:18 | 13:12 (A9) | 07:05 | 13:31 (A9) | 06:30 | 06:40 | | | 05:55 | 06:25 (A10) | 05:27 | 19:13 (A8) |
| | 16:38 | 76 14:28 (A9) | 17:12 | 63 14:34 (A9) | 17:45 | 19:18 | | | 19:49 | 38 07:03 (A10) | 20:18 | 12 19:25 (A8) |
| 2 | 07:18 | 13:13 (A9) | 07:04 | 13:32 (A9) | 06:29 | 06:39 | | | 05:54 | 06:26 (A10) | 05:27 | 19:15 (A8) |
| | 16:39 | 76 14:29 (A9) | 17:13 | 62 14:34 (A9) | 17:46 | 19:19 | | | 19:50 | 36 07:02 (A10) | 20:19 | 9 19:24 (A8) |
| 3 | 07:18 | 13:13 (A9) | 07:03 | 13:34 (A9) | 06:27 | 06:37 | | | 05:53 | 06:27 (A10) | 05:26 | 19:17 (A8) |
| | 16:40 | 76 14:29 (A9) | 17:14 | 59 14:33 (A9) | 17:48 | 19:20 | | | 19:51 | 34 07:01 (A10) | 20:20 | 6 19:23 (A8) |
| 4 | 07:18 | 13:13 (A9) | 07:02 | 13:35 (A9) | 06:26 | 06:35 | | | 05:52 | 06:27 (A10) | 05:26 | |
| | 16:41 | 77 14:30 (A9) | 17:16 | 58 14:33 (A9) | 17:49 | 19:22 | | | 19:52 | 43 19:23 (A8) | 20:20 | |
| 5 | 07:18 | 13:14 (A9) | 07:01 | 13:37 (A9) | 06:24 | 06:34 | | | 05:50 | 06:28 (A10) | 05:26 | |
| | 16:42 | 76 14:30 (A9) | 17:17 | 55 14:32 (A9) | 17:50 | 19:23 | | | 19:54 | 47 19:26 (A8) | 20:21 | |
| 6 | 07:18 | 13:14 (A9) | 07:00 | 13:39 (A9) | 06:22 | 06:32 | | | 05:49 | 06:30 (A10) | 05:25 | |
| | 16:43 | 77 14:31 (A9) | 17:18 | 52 14:31 (A9) | 17:51 | 19:24 | | | 19:55 | 46 19:27 (A8) | 20:22 | |
| 7 | 07:18 | 13:15 (A9) | 06:59 | 13:41 (A9) | 06:21 | 06:31 | | | 05:48 | 06:30 (A10) | 05:25 | |
| | 16:44 | 77 14:32 (A9) | 17:19 | 49 14:30 (A9) | 17:52 | 19:25 | | | 19:56 | 47 19:28 (A8) | 20:22 | |
| 8 | 07:18 | 13:15 (A9) | 06:58 | 13:43 (A9) | 06:19 | 06:29 | | | 05:47 | 06:31 (A10) | 05:25 | |
| | 16:45 | 77 14:32 (A9) | 17:21 | 46 14:29 (A9) | 17:53 | 19:26 | | | 19:57 | 46 19:29 (A8) | 20:23 | |
| 9 | 07:18 | 13:16 (A9) | 06:57 | 13:45 (A9) | 06:18 | 06:27 | | | 05:46 | 06:33 (A10) | 05:25 | |
| | 16:46 | 77 14:33 (A9) | 17:22 | 41 14:26 (A9) | 17:54 | 19:27 | | | 19:58 | 43 19:29 (A8) | 20:24 | |
| 10 | 07:18 | 13:16 (A9) | 06:56 | 13:48 (A9) | 06:16 | 06:26 | | | 05:45 | 06:35 (A10) | 05:24 | |
| | 16:47 | 77 14:33 (A9) | 17:23 | 36 14:24 (A9) | 17:55 | 19:28 | | | 19:59 | 41 19:30 (A8) | 20:24 | |
| 11 | 07:18 | 13:16 (A9) | 06:55 | 13:52 (A9) | 06:15 | 06:24 | | 06:43 (A10) | 05:44 | 06:38 (A10) | 05:24 | |
| | 16:48 | 77 14:33 (A9) | 17:24 | 30 14:22 (A9) | 17:56 | 19:29 | 13 | 06:56 (A10) | 20:00 | 36 19:31 (A8) | 20:25 | |
| 12 | 07:17 | 13:17 (A9) | 06:53 | 13:56 (A9) | 06:13 | 06:23 | | 06:41 (A10) | 05:42 | 19:04 (A8) | 05:24 | |
| | 16:49 | 77 14:34 (A9) | 17:25 | 23 14:19 (A9) | 17:57 | 19:30 | 17 | 06:58 (A10) | 20:01 | 27 19:31 (A8) | 20:25 | |
| 13 | 07:17 | 13:17 (A9) | 06:52 | 14:03 (A9) | 06:11 | 06:21 | | 06:39 (A10) | 05:41 | 19:04 (A8) | 05:24 | |
| | 16:50 | 77 14:34 (A9) | 17:27 | 8 14:11 (A9) | 17:59 | 19:31 | 21 | 07:00 (A10) | 20:02 | 27 19:31 (A8) | 20:26 | |
| 14 | 07:17 | 13:18 (A9) | 06:51 | | 06:10 | 06:20 | | 06:38 (A10) | 05:40 | 19:04 (A8) | 05:24 | |
| | 16:51 | 77 14:35 (A9) | 17:28 | | 18:00 | 19:32 | 24 | 07:02 (A10) | 20:03 | 27 19:31 (A8) | 20:26 | |
| 15 | 07:17 | 13:19 (A9) | 06:50 | | 06:08 | 06:18 | | 06:36 (A10) | 05:39 | 19:03 (A8) | 05:24 | |
| | 16:52 | 76 14:35 (A9) | 17:29 | | 18:01 | 19:33 | 27 | 07:03 (A10) | 20:03 | 28 19:31 (A8) | 20:26 | |
| 16 | 07:16 | 13:19 (A9) | 06:48 | | 06:06 | 06:17 | | 06:35 (A10) | 05:38 | 19:04 (A8) | 05:24 | |
| | 16:53 | 76 14:35 (A9) | 17:30 | | 18:02 | 19:34 | 29 | 07:04 (A10) | 20:04 | 28 19:32 (A8) | 20:27 | |
| 17 | 07:16 | 13:20 (A9) | 06:47 | | 06:05 | 06:15 | | 06:33 (A10) | 05:38 | 19:04 (A8) | 05:24 | |
| | 16:54 | 76 14:36 (A9) | 17:31 | | 18:03 | 19:35 | 31 | 07:04 (A10) | 20:05 | 28 19:32 (A8) | 20:27 | |
| 18 | 07:15 | 13:20 (A9) | 06:46 | | 06:03 | 06:13 | | 06:32 (A10) | 05:37 | 19:04 (A8) | 05:24 | |
| | 16:55 | 76 14:36 (A9) | 17:33 | | 18:04 | 19:36 | 33 | 07:05 (A10) | 20:06 | 28 19:32 (A8) | 20:28 | |
| 19 | 07:15 | 13:20 (A9) | 06:44 | | 06:02 | 06:12 | | 06:31 (A10) | 05:36 | 19:04 (A8) | 05:24 | |
| | 16:56 | 76 14:36 (A9) | 17:34 | | 18:05 | 19:37 | 35 | 07:06 (A10) | 20:07 | 27 19:31 (A8) | 20:28 | |
| 20 | 07:14 | 13:21 (A9) | 06:43 | | 06:00 | 06:11 | | 06:29 (A10) | 05:35 | 19:04 (A8) | 05:24 | |
| | 16:58 | 75 14:36 (A9) | 17:35 | | 18:06 | 19:38 | 37 | 07:06 (A10) | 20:08 | 27 19:31 (A8) | 20:28 | |
| 21 | 07:14 | 13:21 (A9) | 06:42 | | 05:58 | 06:09 | | 06:28 (A10) | 05:34 | 19:05 (A8) | 05:24 | |
| | 16:59 | 75 14:36 (A9) | 17:36 | | 18:07 | 19:39 | 38 | 07:06 (A10) | 20:09 | 27 19:32 (A8) | 20:28 | |
| 22 | 07:13 | 13:22 (A9) | 06:40 | | 05:57 | 06:08 | | 06:26 (A10) | 05:33 | 19:05 (A8) | 05:25 | |
| | 17:00 | 74 14:36 (A9) | 17:37 | | 18:08 | 19:40 | 40 | 07:06 (A10) | 20:10 | 26 19:31 (A8) | 20:29 | |
| 23 | 07:12 | 13:23 (A9) | 06:39 | | 05:55 | 06:06 | | 06:25 (A10) | 05:33 | 19:06 (A8) | 05:25 | |
| | 17:01 | 74 14:37 (A9) | 17:38 | | 18:09 | 19:41 | 41 | 07:06 (A10) | 20:11 | 24 19:30 (A8) | 20:29 | |
| 24 | 07:12 | 13:23 (A9) | 06:37 | | 05:53 | 06:05 | | 06:26 (A10) | 05:32 | 19:06 (A8) | 05:25 | |
| | 17:02 | 73 14:36 (A9) | 17:40 | | 18:10 | 19:42 | 41 | 07:07 (A10) | 20:12 | 24 19:30 (A8) | 20:29 | |
| 25 | 07:11 | 13:24 (A9) | 06:36 | | 05:52 | 06:03 | | 06:25 (A10) | 05:31 | 19:07 (A8) | 05:25 | |
| | 17:03 | 72 14:36 (A9) | 17:41 | | 18:11 | 19:43 | 41 | 07:06 (A10) | 20:13 | 23 19:30 (A8) | 20:29 | |
| 26 | 07:10 | 13:24 (A9) | 06:35 | | 05:50 | 06:02 | | 06:25 (A10) | 05:30 | 19:07 (A8) | 05:26 | |
| | 17:05 | 72 14:36 (A9) | 17:42 | | 18:12 | 19:44 | 41 | 07:06 (A10) | 20:13 | 22 19:29 (A8) | 20:29 | |
| 27 | 07:10 | 13:26 (A9) | 06:33 | | 05:48 | 06:01 | | 06:24 (A10) | 05:30 | 19:09 (A8) | 05:26 | |
| | 17:06 | 71 14:37 (A9) | 17:43 | | 18:13 | 19:45 | 41 | 07:05 (A10) | 20:14 | 20 19:29 (A8) | 20:29 | |
| 28 | 07:09 | 13:27 (A9) | 06:32 | | 05:47 | 05:59 | | 06:25 (A10) | 05:29 | 19:09 (A8) | 05:26 | |
| | 17:07 | 69 14:36 (A9) | 17:44 | | 18:14 | 19:46 | 40 | 07:05 (A10) | 20:15 | 19 19:28 (A8) | 20:29 | |
| 29 | 07:08 | 13:28 (A9) | | | 06:45 | 05:58 | | 06:25 (A10) | 05:29 | 19:10 (A8) | 05:27 | |
| | 17:08 | 68 14:36 (A9) | | | 19:15 | 19:47 | 39 | 07:04 (A10) | 20:16 | 18 19:28 (A8) | 20:29 | |
| 30 | 07:07 | 13:29 (A9) | | | 06:44 | 05:57 | | 06:26 (A10) | 05:28 | 19:11 (A8) | 05:27 | |
| | 17:10 | 66 14:35 (A9) | | | 19:16 | 19:48 | 38 | 07:04 (A10) | 20:17 | 16 19:27 (A8) | 20:29 | |
| 31 | 07:06 | 13:30 (A9) | | | 06:42 | | | | 05:28 | 19:12 (A8) | | |
| | 17:11 | 65 14:35 (A9) | | | 19:17 | | | | 20:17 | 14 19:26 (A8) | | |
| Ore potenziali eliofanìa | 299 | | 298 | | 370 | 398 | | | 447 | | 450 | |
| Totale, caso peggiore | 2308 | | 582 | | | 667 | | | 937 | | 27 | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R8 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (8)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il di, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre |
|--------------------------|----------------|---------------------|---------------------------|----------------|----------------------|---------------------|
| 1 | 05:28 20:29 | 05:51 20:11 | 06:52 (A10) 19:41 (A8) | 06:21 19:28 | 06:42 (A10) 18:39 | 06:58 13:17 (A9) |
| 2 | 05:28 20:29 | 05:52 20:10 | 06:47 (A10) 19:41 (A8) | 06:22 19:27 | 06:51 18:37 | 13:54 (A9) 16:29 |
| 3 | 05:29 20:29 | 05:53 20:08 | 06:45 (A10) 19:40 (A8) | 06:23 19:25 | 06:52 18:35 | 13:12 (A9) 16:29 |
| 4 | 05:29 20:29 | 05:54 20:07 | 06:43 (A10) 19:40 (A8) | 06:24 19:24 | 06:53 18:34 | 13:10 (A9) 16:29 |
| 5 | 05:30 20:28 | 05:55 20:06 | 06:41 (A10) 19:39 (A8) | 06:25 19:22 | 06:54 18:32 | 13:08 (A9) 16:28 |
| 6 | 05:30 20:28 | 05:56 20:05 | 06:40 (A10) 19:38 (A8) | 06:26 19:20 | 06:55 18:31 | 13:07 (A9) 16:28 |
| 7 | 05:31 20:28 | 05:57 20:04 | 06:38 (A10) 19:36 (A8) | 06:27 19:19 | 06:56 18:29 | 13:05 (A9) 16:28 |
| 8 | 05:32 20:28 | 05:58 20:03 | 06:37 (A10) 19:34 (A8) | 06:28 19:17 | 06:57 18:27 | 13:04 (A9) 16:28 |
| 9 | 05:32 20:27 | 19:26 (A8) 20:01 | 05:59 19:31 (A8) | 06:29 19:15 | 06:58 18:26 | 13:03 (A9) 16:28 |
| 10 | 05:33 20:27 | 19:23 (A8) 20:00 | 06:00 19:31 (A8) | 06:30 19:14 | 06:59 18:24 | 13:02 (A9) 16:28 |
| 11 | 05:34 20:26 | 19:21 (A8) 19:59 | 06:01 19:33 (A8) | 06:31 19:12 | 07:00 18:23 | 13:01 (A9) 16:28 |
| 12 | 05:34 20:26 | 19:21 (A8) 19:58 | 06:02 19:33 (A8) | 06:32 19:10 | 07:01 18:21 | 13:01 (A9) 16:28 |
| 13 | 05:35 20:26 | 19:19 (A8) 19:56 | 06:03 19:32 (A8) | 06:33 19:09 | 07:03 18:19 | 13:00 (A9) 16:28 |
| 14 | 05:36 20:25 | 19:17 (A8) 19:55 | 06:04 19:31 (A8) | 06:34 19:07 | 07:04 18:18 | 12:59 (A9) 16:29 |
| 15 | 05:36 20:24 | 19:17 (A8) 19:54 | 06:05 19:30 (A8) | 06:35 19:05 | 07:05 18:16 | 12:58 (A9) 16:29 |
| 16 | 05:37 20:24 | 19:18 (A8) 19:52 | 06:06 19:29 (A8) | 06:36 19:04 | 07:06 18:15 | 12:58 (A9) 16:29 |
| 17 | 05:38 20:23 | 19:17 (A8) 19:51 | 06:07 19:28 (A8) | 06:36 19:02 | 07:07 18:13 | 12:58 (A9) 16:29 |
| 18 | 05:39 20:23 | 19:17 (A8) 19:49 | 06:08 19:27 (A8) | 06:37 19:00 | 07:08 18:12 | 12:57 (A9) 16:30 |
| 19 | 05:40 20:22 | 19:16 (A8) 19:48 | 06:08 19:26 (A8) | 06:38 18:59 | 07:09 18:10 | 12:57 (A9) 16:30 |
| 20 | 05:40 20:21 | 19:16 (A8) 19:47 | 06:09 19:25 (A8) | 06:39 18:57 | 07:10 18:09 | 12:57 (A9) 16:31 |
| 21 | 05:41 20:21 | 19:15 (A8) 19:45 | 06:10 19:24 (A8) | 06:40 18:55 | 07:11 18:08 | 12:57 (A9) 16:31 |
| 22 | 05:42 20:20 | 19:15 (A8) 19:44 | 06:11 19:23 (A8) | 06:41 18:54 | 07:12 18:06 | 12:57 (A9) 16:32 |
| 23 | 05:43 20:19 | 19:15 (A8) 19:42 | 06:12 19:22 (A8) | 06:42 18:52 | 07:13 18:05 | 12:57 (A9) 16:32 |
| 24 | 05:44 20:18 | 19:15 (A8) 19:41 | 06:13 19:21 (A8) | 06:43 18:50 | 07:14 18:03 | 12:57 (A9) 16:33 |
| 25 | 05:45 20:17 | 19:15 (A8) 19:39 | 06:14 19:20 (A8) | 06:44 18:49 | 07:15 18:02 | 12:57 (A9) 16:33 |
| 26 | 05:46 20:16 | 19:15 (A8) 19:38 | 06:15 19:19 (A8) | 06:45 18:47 | 07:16 18:01 | 12:57 (A9) 16:34 |
| 27 | 05:47 20:16 | 19:15 (A8) 19:36 | 06:16 19:18 (A8) | 06:46 18:45 | 07:17 18:00 | 12:58 (A9) 16:34 |
| 28 | 05:47 20:15 | 19:14 (A8) 19:35 | 06:17 19:17 (A8) | 06:47 18:44 | 07:18 17:59 | 12:58 (A9) 16:35 |
| 29 | 05:48 20:14 | 19:14 (A8) 19:33 | 06:18 19:16 (A8) | 06:48 18:42 | 07:19 17:58 | 12:58 (A9) 16:35 |
| 30 | 05:49 20:13 | 19:14 (A8) 19:32 | 06:19 19:15 (A8) | 06:49 18:40 | 07:20 17:57 | 12:58 (A9) 16:36 |
| 31 | 05:50 20:12 | 19:15 (A8) 19:30 | 06:20 19:14 (A8) | 06:50 18:38 | 07:21 17:56 | 12:58 (A9) 16:37 |
| Ore potenziali eliofanìa | 457 | 427 | 375 | 346 | 299 | 290 |
| Totale, caso peggiore | 494 | 1146 | 13 | 67 | 1991 | 2350 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
Tramonto (hh:mm)Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: SHADOW FLIKER FERRANDINA Recettore d'ombra: R9 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (9)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il di, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre | |
|--------------------------|----------------|----------------|----------------|---------------------|----------------|----------------|----------------|----------------|----------------|---------------------|-----------------------------|----------------|----------------|
| 1 | 07:18 16:38 | 07:05 17:12 | 06:30 17:45 | 06:40 19:18 | 05:55 19:49 | 05:27 20:18 | 05:28 20:29 | 05:51 20:11 | 06:21 19:28 | 06:50 18:39 | 17:46 (A9) 22 18:08 (A9) | 06:23 16:53 | 06:58 16:29 |
| 2 | 07:18 16:39 | 07:04 17:13 | 06:29 17:46 | 06:39 19:19 | 05:54 19:50 | 05:27 20:19 | 05:28 20:29 | 05:52 20:09 | 06:22 19:27 | 06:51 18:37 | 17:47 (A9) 20 18:07 (A9) | 06:25 16:52 | 06:59 16:29 |
| 3 | 07:18 16:40 | 07:03 17:14 | 06:27 17:47 | 06:37 19:20 | 05:53 19:51 | 05:26 20:20 | 05:29 20:29 | 05:53 20:08 | 06:23 19:25 | 06:52 18:35 | 17:47 (A9) 18 18:05 (A9) | 06:26 16:50 | 07:00 16:29 |
| 4 | 07:18 16:41 | 07:02 17:16 | 06:25 17:49 | 06:35 19:21 | 05:51 19:52 | 05:26 20:20 | 05:29 20:29 | 05:54 20:07 | 06:24 19:23 | 06:53 18:34 | 17:48 (A9) 16 18:04 (A9) | 06:27 16:49 | 07:01 16:28 |
| 5 | 07:18 16:42 | 07:01 17:17 | 06:24 17:50 | 06:34 19:22 | 05:50 19:53 | 05:26 20:21 | 05:30 20:28 | 05:55 20:06 | 06:25 19:22 | 06:54 18:32 | 17:50 (A9) 12 18:02 (A9) | 06:28 16:48 | 07:02 16:28 |
| 6 | 07:18 16:43 | 07:00 17:18 | 06:22 17:51 | 06:32 19:24 | 05:49 19:54 | 05:25 20:22 | 05:30 20:28 | 05:56 20:05 | 06:26 19:20 | 06:55 18:30 | 17:53 (A9) 5 17:58 (A9) | 06:29 16:47 | 07:03 16:28 |
| 7 | 07:18 16:44 | 06:59 17:19 | 06:21 17:52 | 06:30 19:25 | 05:48 19:55 | 05:25 20:22 | 05:31 20:28 | 05:57 20:04 | 06:27 19:19 | 06:56 18:29 | 17:58 (A9) 18:29 | 06:30 16:46 | 07:04 16:28 |
| 8 | 07:18 16:45 | 06:58 17:20 | 06:19 17:53 | 17:14 (A9) 19:26 | 06:29 19:56 | 05:47 20:23 | 05:25 20:28 | 05:58 20:03 | 06:28 19:17 | 06:57 18:27 | 18:08 (A9) 18:27 | 06:32 16:45 | 07:04 16:28 |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | 17:11 (A9) 19:27 | 06:27 19:57 | 05:46 20:23 | 05:24 20:27 | 05:32 20:01 | 06:29 19:15 | 06:58 18:26 | 17:59 (A9) 18:26 | 06:33 16:44 | 07:05 16:28 |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | 17:10 (A9) 19:28 | 06:26 19:58 | 05:45 20:24 | 05:33 20:27 | 06:00 20:00 | 06:30 19:14 | 06:59 18:24 | 18:00 (A9) 18:24 | 06:34 16:43 | 07:06 16:28 |
| 11 | 07:18 16:48 | 06:55 17:24 | 06:14 17:56 | 17:08 (A9) 19:29 | 06:24 19:59 | 05:43 20:25 | 05:34 20:26 | 06:01 19:59 | 06:31 19:12 | 07:00 18:22 | 17:54 (A9) 18:22 | 06:35 16:42 | 07:07 16:28 |
| 12 | 07:17 16:49 | 06:53 17:25 | 06:13 17:57 | 17:07 (A9) 19:30 | 06:23 19:50 | 05:42 20:25 | 05:34 20:26 | 06:02 19:58 | 06:32 19:10 | 07:01 18:21 | 18:01 (A9) 18:21 | 06:36 16:41 | 07:08 16:28 |
| 13 | 07:17 16:50 | 06:52 17:27 | 06:11 17:58 | 17:07 (A9) 19:31 | 06:21 19:51 | 05:41 20:25 | 05:35 20:25 | 06:03 19:56 | 06:33 19:09 | 07:02 18:19 | 18:02 (A9) 19:09 | 06:37 16:40 | 07:09 16:28 |
| 14 | 07:17 16:51 | 06:51 17:28 | 06:10 18:00 | 17:06 (A9) 19:32 | 06:19 19:52 | 05:40 20:26 | 05:36 20:25 | 06:04 19:55 | 06:34 19:07 | 07:04 18:18 | 18:03 (A9) 19:07 | 06:39 16:39 | 07:09 16:29 |
| 15 | 07:16 16:52 | 06:50 17:29 | 06:08 18:01 | 17:07 (A9) 19:33 | 06:18 19:53 | 05:39 20:26 | 05:36 20:24 | 06:05 19:54 | 06:35 19:05 | 07:05 18:16 | 18:04 (A9) 19:05 | 06:40 16:38 | 07:10 16:29 |
| 16 | 07:16 16:53 | 06:48 17:30 | 06:06 18:02 | 17:06 (A9) 19:34 | 06:16 19:54 | 05:38 20:27 | 05:37 20:24 | 06:06 19:52 | 06:35 19:04 | 07:06 18:15 | 18:05 (A9) 19:04 | 06:41 16:37 | 07:11 16:29 |
| 17 | 07:16 16:54 | 06:47 17:31 | 06:05 18:03 | 17:06 (A9) 19:35 | 06:15 19:55 | 05:37 20:27 | 05:38 20:23 | 06:06 19:51 | 06:36 19:02 | 07:07 18:13 | 18:06 (A9) 19:02 | 06:42 16:37 | 07:12 16:29 |
| 18 | 07:15 16:55 | 06:46 17:33 | 06:03 18:04 | 17:07 (A9) 19:36 | 06:13 19:56 | 05:37 20:26 | 05:39 20:23 | 06:07 19:49 | 06:37 19:00 | 07:08 18:12 | 18:07 (A9) 19:00 | 06:43 16:36 | 07:12 16:30 |
| 19 | 07:15 16:56 | 06:44 17:34 | 06:02 18:05 | 17:08 (A9) 19:37 | 06:12 19:57 | 05:36 20:27 | 05:40 20:22 | 06:08 19:48 | 06:38 18:59 | 07:09 18:10 | 18:08 (A9) 18:59 | 06:44 16:35 | 07:13 16:30 |
| 20 | 07:14 16:58 | 06:43 17:35 | 06:00 18:06 | 17:09 (A9) 19:38 | 06:10 19:58 | 05:35 20:28 | 05:40 20:21 | 06:09 19:47 | 06:39 18:57 | 07:10 18:09 | 18:09 (A9) 18:57 | 06:46 16:34 | 07:13 16:31 |
| 21 | 07:14 16:59 | 06:42 17:36 | 05:58 18:07 | 17:13 (A9) 19:39 | 06:09 19:59 | 05:34 20:29 | 05:41 20:20 | 06:10 19:45 | 06:40 18:55 | 07:11 18:07 | 18:10 (A9) 18:55 | 06:47 16:34 | 07:14 16:31 |
| 22 | 07:13 17:00 | 06:40 17:37 | 05:57 18:08 | 17:19 (A9) 19:40 | 06:08 19:50 | 05:33 20:10 | 05:42 20:20 | 06:11 19:44 | 06:41 18:54 | 07:12 18:06 | 18:11 (A9) 18:54 | 06:48 16:33 | 07:14 16:31 |
| 23 | 07:12 17:01 | 06:39 17:38 | 05:55 18:09 | 06:06 19:41 | 05:33 20:11 | 05:25 20:29 | 05:43 20:19 | 06:12 19:42 | 06:42 18:52 | 07:13 18:05 (A9) | 18:05 (A9) 18:52 | 06:49 16:33 | 07:15 16:32 |
| 24 | 07:12 17:02 | 06:37 17:40 | 05:53 18:10 | 06:05 19:42 | 05:32 20:12 | 05:25 20:29 | 05:44 20:18 | 06:13 19:41 | 06:43 18:50 | 07:14 18:07 (A9) | 18:03 (A9) 18:50 | 06:50 16:32 | 07:15 16:33 |
| 25 | 07:11 17:03 | 06:36 17:41 | 05:52 18:11 | 06:03 19:43 | 05:31 20:13 | 05:25 20:29 | 05:45 20:17 | 06:14 19:39 | 06:44 18:49 | 07:15 18:08 (A9) | 18:04 (A9) 17:02 | 06:51 16:32 | 07:16 16:33 |
| 26 | 07:10 17:05 | 06:34 17:42 | 05:50 18:12 | 06:02 19:44 | 05:30 20:13 | 05:26 20:29 | 05:46 20:16 | 06:15 19:38 | 06:45 18:47 | 07:16 18:09 (A9) | 18:05 (A9) 17:00 | 06:52 16:31 | 07:16 16:34 |
| 27 | 07:09 17:06 | 06:33 17:43 | 05:48 18:13 | 06:01 19:45 | 05:30 20:14 | 05:26 20:29 | 05:46 20:15 | 06:16 19:36 | 06:46 18:45 | 07:17 18:09 (A9) | 18:06 (A9) 16:59 | 06:53 16:31 | 07:17 16:34 |
| 28 | 07:09 17:07 | 06:32 17:44 | 05:47 18:14 | 05:59 19:46 | 05:29 20:15 | 05:26 20:29 | 05:47 20:15 | 06:17 19:35 | 06:47 18:44 | 07:18 18:09 (A9) | 18:07 (A9) 16:58 | 06:54 16:30 | 07:17 16:35 |
| 29 | 07:08 17:08 | | 06:45 19:15 | 05:58 19:47 | 05:29 20:16 | 05:27 20:29 | 05:48 20:14 | 06:18 19:33 | 06:48 18:42 | 07:19 18:09 (A9) | 18:08 (A9) 16:57 | 06:56 16:30 | 07:17 16:36 |
| 30 | 07:07 17:09 | | 06:43 19:16 | 05:57 19:48 | 05:28 20:17 | 05:27 20:29 | 05:49 20:13 | 06:19 19:31 | 06:49 18:40 | 07:20 18:08 (A9) | 18:09 (A9) 16:55 | 06:57 16:29 | 07:17 16:36 |
| 31 | 07:06 17:11 | | 06:42 19:17 | | 05:28 20:17 | | 05:50 20:12 | 06:20 19:30 | | 07:21 16:54 | | 06:58 16:37 | 07:18 16:37 |
| Ore potenziali eliofania | 299 | 298 | 370 | 398 | 447 | 450 | 457 | 427 | 375 | 150 | 93 | 299 | 290 |
| Totale, caso peggiore | | | 244 | | | | | | | | | | |

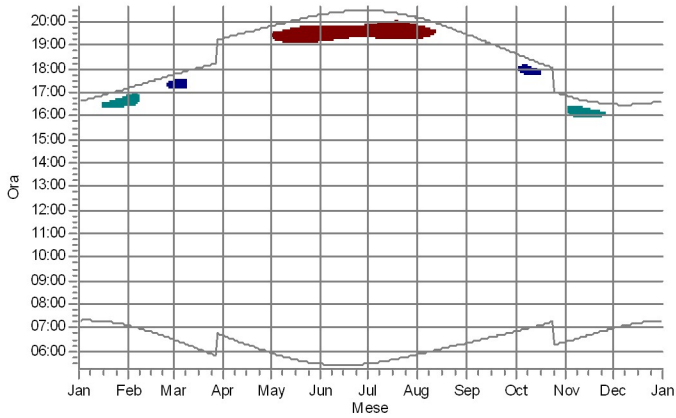
Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

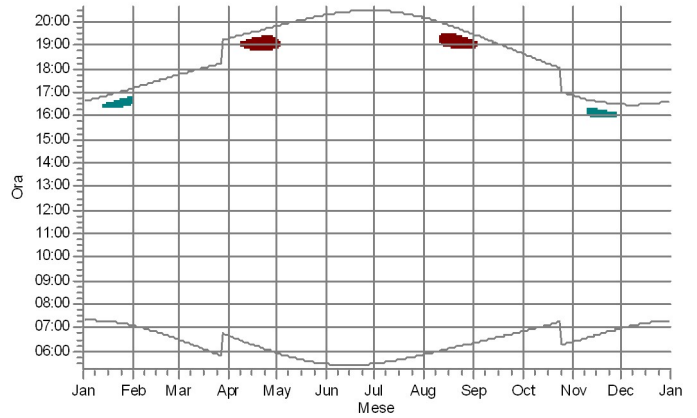
SHADOW - Calendario, grafico

Calcolo: SHADOW FLIKER FERRANDINA

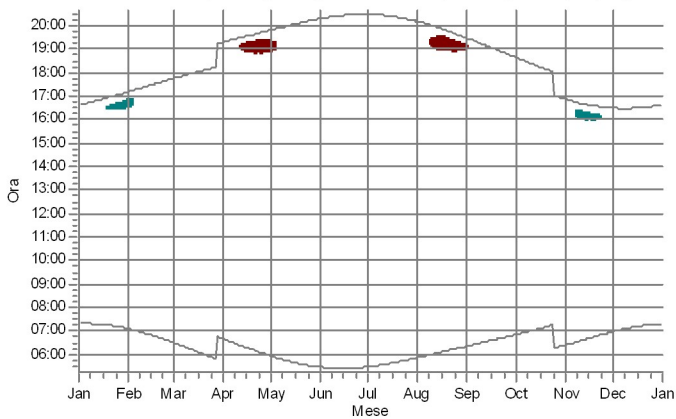
D1: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (11)



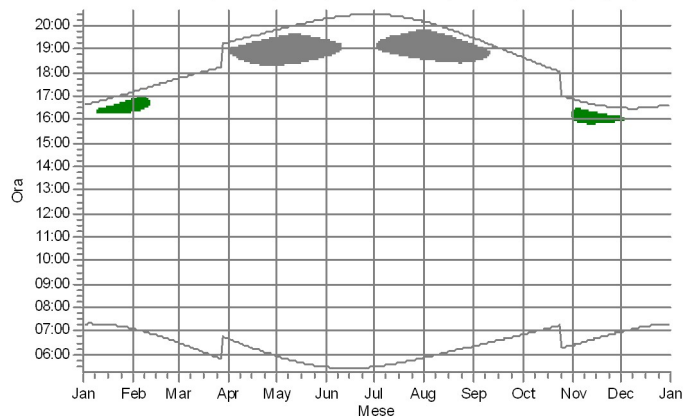
D2: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (12)



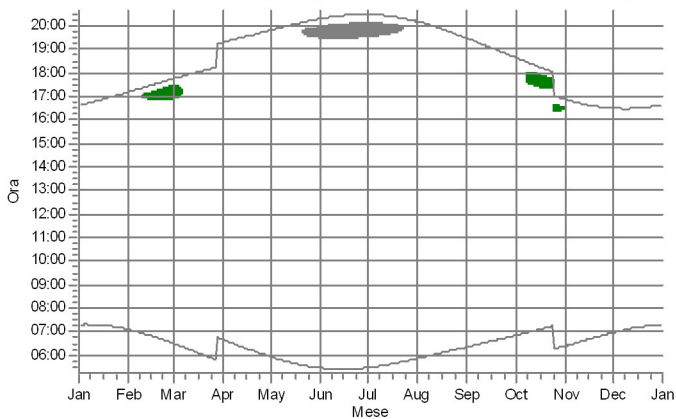
D3: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (13)



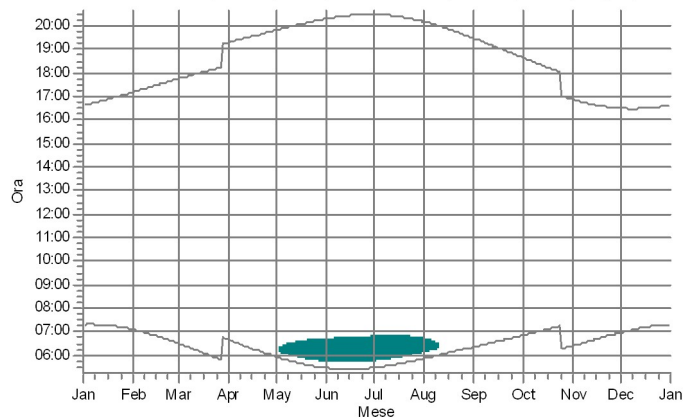
D4: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (14)



D5: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (15)



D6: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (16)



WTG

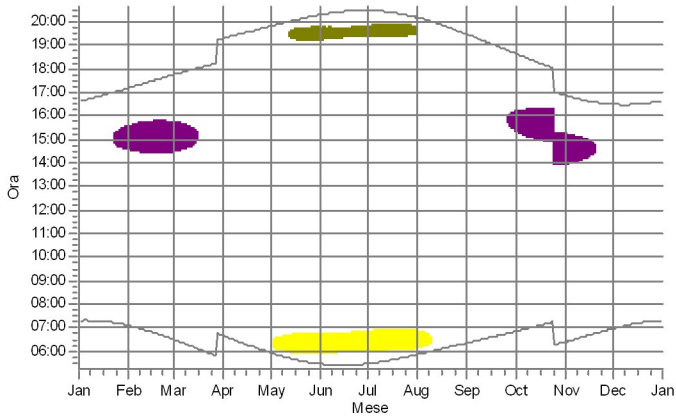
- A1: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (1)
- A2: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (2)
- A4: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (4)

- A5: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (5)
- A6: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (6)

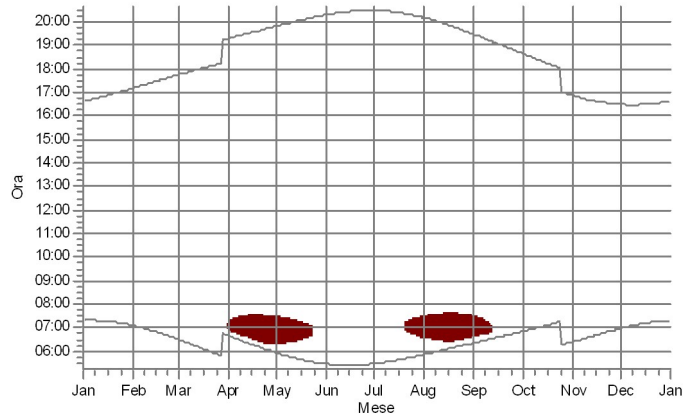
SHADOW - Calendario, grafico

Calcolo: SHADOW FLIKER FERRANDINA

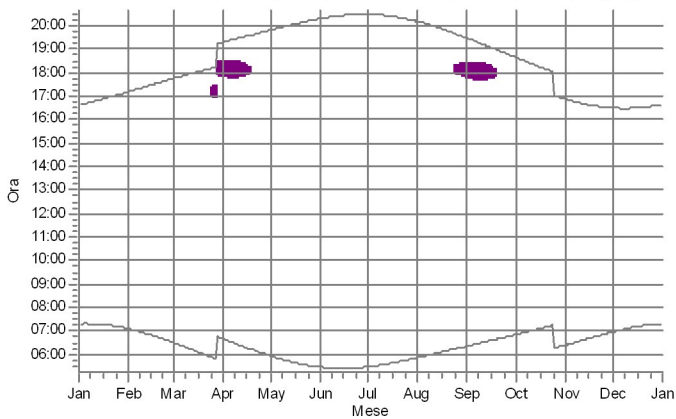
D7: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (17)



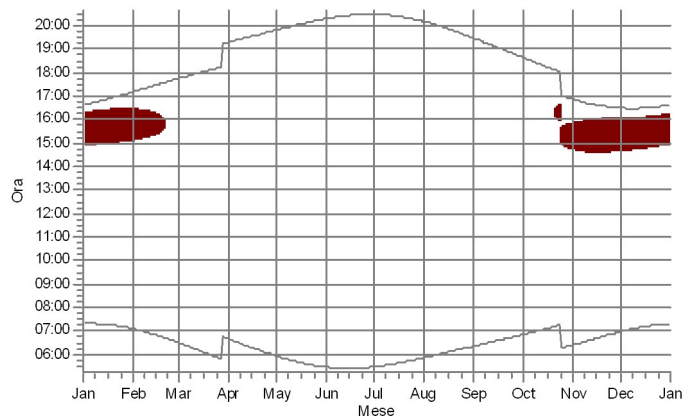
R1: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (1)



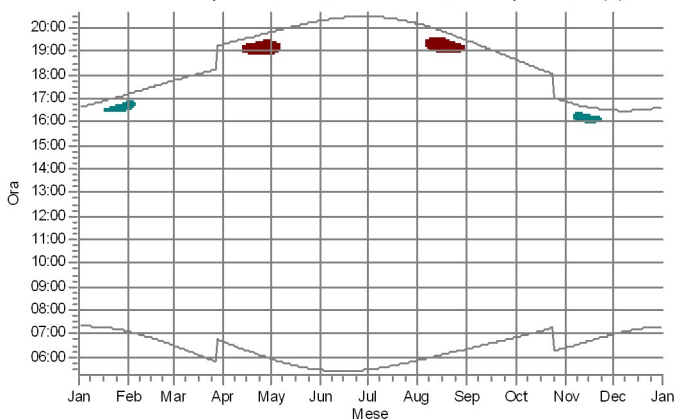
R10: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (10)



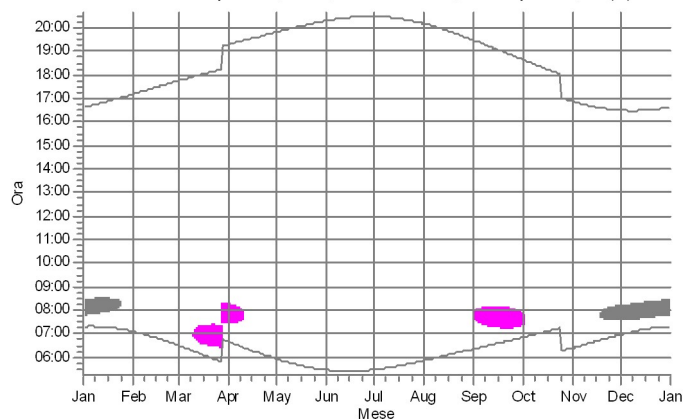
R2: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (2)







R3: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (3)



R4: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (4)



WTG

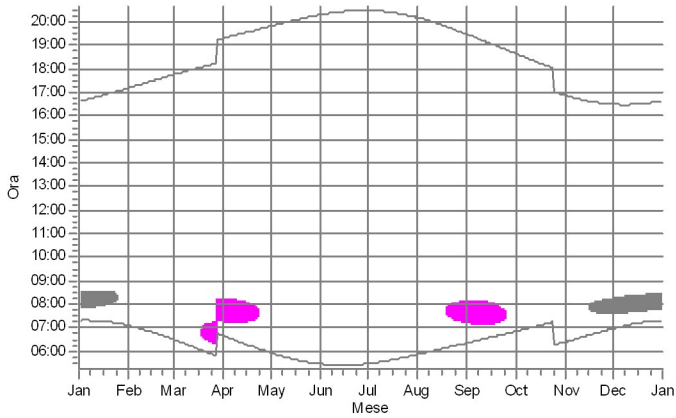
| | |
|---|--|
|  | A10: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (10) |
|  | A2: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (2) |
|  | A3: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (3) |
|  | A4: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (4) |

| | |
|---|--|
|  | A6: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (6) |
|  | A8: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (8) |
|  | A9: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (9) |

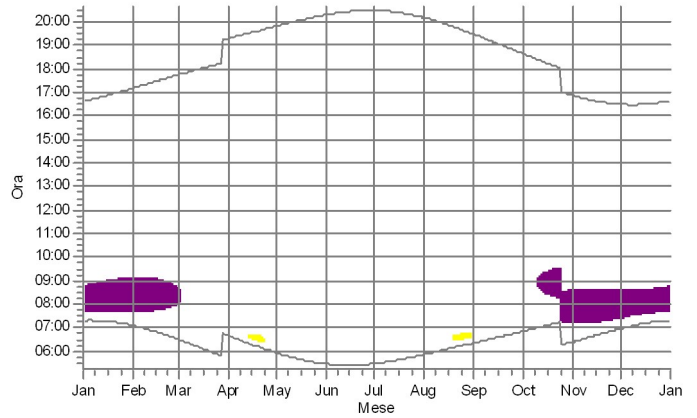
SHADOW - Calendario, grafico

Calcolo: SHADOW FLIKER FERRANDINA

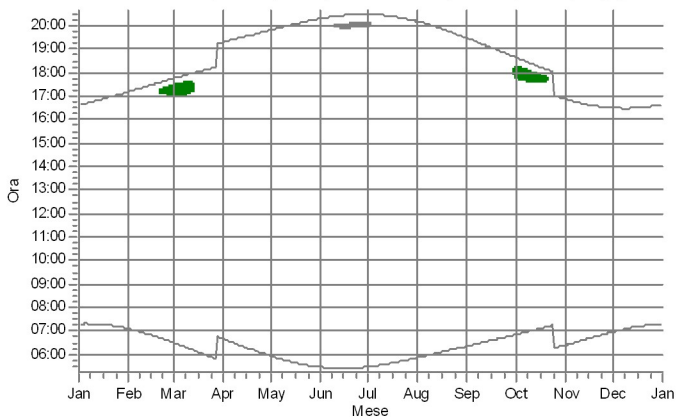
R5: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (5)



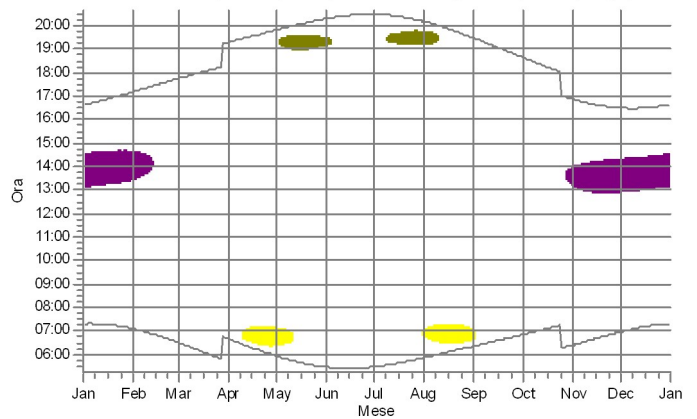
R6: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (6)



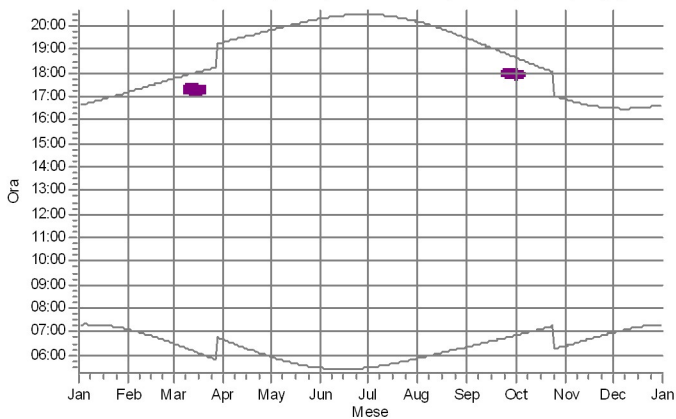
R7: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (7)



R8: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (8)



R9: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (9)



WTG

- A1: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (1)
- A10: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (10)
- A2: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (2)

- A3: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (3)
- A8: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (8)
- A9: Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (9)

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A1 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (1)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno |
|--------------------------|-------------------------------|-------------------------------|-------------------------------|----------------|----------------|----------------|
| 1 | 07:18 16:39 | 07:05 16:24-16:48/24 17:12 | 06:30 16:58-17:24/26 17:45 | 06:40 19:19 | 05:56 19:50 | 05:27 20:18 |
| 2 | 07:18 16:39 | 07:04 16:25-16:50/25 17:13 | 06:29 16:59-17:25/26 17:47 | 06:39 19:20 | 05:54 19:51 | 05:27 20:19 |
| 3 | 07:18 16:40 | 07:03 16:26-16:51/25 17:15 | 06:27 17:01-17:27/26 17:48 | 06:37 19:21 | 05:53 19:52 | 05:27 20:20 |
| 4 | 07:18 16:41 | 07:02 16:27-16:52/25 17:16 | 06:26 17:02-17:27/25 17:49 | 06:36 19:22 | 05:52 19:53 | 05:26 20:21 |
| 5 | 07:18 16:42 | 07:01 16:28-16:54/26 17:17 | 06:24 17:05-17:29/24 17:50 | 06:34 19:23 | 05:51 19:54 | 05:26 20:21 |
| 6 | 07:18 16:43 | 07:00 16:30-16:55/25 17:18 | 06:23 17:06-17:30/24 17:51 | 06:32 19:24 | 05:49 19:55 | 05:25 20:22 |
| 7 | 07:18 16:44 | 06:59 16:31-16:55/24 17:20 | 06:21 17:07-17:31/24 17:52 | 06:31 19:25 | 05:48 19:56 | 05:25 20:22 |
| 8 | 07:18 16:45 | 06:58 16:34-16:53/19 17:21 | 06:19 17:07-17:32/25 17:53 | 06:29 19:26 | 05:47 19:57 | 05:25 20:23 |
| 9 | 07:18 16:46 | 06:57 16:36-16:50/14 17:22 | 06:18 17:08-17:33/25 17:54 | 06:28 19:27 | 05:46 19:58 | 05:25 20:24 |
| 10 | 07:18 16:20-16:21/1 16:47 | 06:56 16:42-16:44/2 17:23 | 06:16 17:09-17:35/26 17:55 | 06:26 19:28 | 05:45 19:59 | 05:25 20:24 |
| 11 | 07:18 16:20-16:22/2 16:48 | 06:55 17:00-17:02/2 17:24 | 06:15 17:10-17:35/25 17:57 | 06:24 19:29 | 05:44 20:00 | 05:24 20:25 |
| 12 | 07:18 16:21-16:24/3 16:49 | 06:54 16:59-17:03/4 17:26 | 06:13 17:13-17:34/21 17:58 | 06:23 19:30 | 05:43 20:01 | 05:24 20:25 |
| 13 | 07:17 16:20-16:24/4 16:50 | 06:52 16:59-17:05/6 17:27 | 06:12 17:15-17:30/15 17:59 | 06:21 19:31 | 05:42 20:02 | 05:24 20:26 |
| 14 | 07:17 16:20-16:26/6 16:51 | 06:51 16:57-17:05/8 17:28 | 06:10 18:00 | 06:20 19:32 | 05:41 20:03 | 05:24 20:26 |
| 15 | 07:17 16:21-16:27/6 16:52 | 06:50 16:57-17:07/10 17:29 | 06:08 18:01 | 06:18 19:33 | 05:40 20:04 | 05:24 20:27 |
| 16 | 07:16 16:20-16:28/8 16:53 | 06:49 16:56-17:08/12 17:30 | 06:07 18:02 | 06:17 19:34 | 05:39 20:05 | 05:24 20:27 |
| 17 | 07:16 16:20-16:30/10 16:54 | 06:47 16:55-17:09/14 17:32 | 06:05 18:03 | 06:15 19:35 | 05:38 20:06 | 05:24 20:27 |
| 18 | 07:15 16:20-16:30/10 16:56 | 06:46 16:55-17:11/16 17:33 | 06:03 18:04 | 06:14 19:36 | 05:37 20:06 | 05:24 20:28 |
| 19 | 07:15 16:21-16:32/11 16:57 | 06:45 16:55-17:12/17 17:34 | 06:02 18:05 | 06:12 19:37 | 05:36 20:07 | 05:24 20:28 |
| 20 | 07:14 16:20-16:33/13 16:58 | 06:43 16:54-17:13/19 17:35 | 06:00 18:06 | 06:11 19:38 | 05:35 20:08 | 05:24 20:28 |
| 21 | 07:14 16:20-16:34/14 16:59 | 06:42 16:55-17:15/20 17:36 | 05:58 18:07 | 06:09 19:39 | 05:34 20:09 | 05:25 20:28 |
| 22 | 07:13 16:21-16:36/15 17:00 | 06:40 16:54-17:15/21 17:37 | 05:57 18:08 | 06:08 19:40 | 05:34 20:10 | 05:25 20:29 |
| 23 | 07:13 16:21-16:37/16 17:01 | 06:39 16:55-17:17/22 17:39 | 05:55 18:09 | 06:06 19:41 | 05:33 20:11 | 05:25 20:29 |
| 24 | 07:12 16:21-16:38/17 17:02 | 06:38 16:55-17:19/24 17:40 | 05:54 18:10 | 06:05 19:42 | 05:32 20:12 | 05:25 20:29 |
| 25 | 07:11 16:21-16:39/18 17:04 | 06:36 16:55-17:19/24 17:41 | 05:52 18:11 | 06:04 19:43 | 05:31 20:13 | 05:26 20:29 |
| 26 | 07:10 16:22-16:41/19 17:05 | 06:35 16:56-17:21/25 17:42 | 05:50 18:12 | 06:02 19:44 | 05:31 20:14 | 05:26 20:29 |
| 27 | 07:10 16:22-16:42/20 17:06 | 06:33 16:56-17:22/26 17:43 | 05:49 18:13 | 06:01 19:45 | 05:30 20:14 | 05:26 20:29 |
| 28 | 07:09 16:22-16:43/21 17:07 | 06:32 16:57-17:23/26 17:44 | 05:47 18:14 | 05:59 19:46 | 05:29 20:15 | 05:27 20:29 |
| 29 | 07:08 16:23-16:45/22 17:09 | | 06:45 19:15 | 05:58 19:48 | 05:29 20:16 | 05:27 20:29 |
| 30 | 07:07 16:23-16:46/23 17:10 | | 06:44 19:17 | 05:57 19:49 | 05:28 20:17 | 05:28 20:29 |
| 31 | 07:06 16:24-16:47/23 17:11 | | 06:42 19:18 | | 05:28 20:18 | |
| Ore potenziali eliofanía | 299 | 298 | 370 | 398 | 447 | 450 |
| Somma minuti d'ombra | 282 | 505 | 312 | 0 | 0 | 0 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A1 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (1)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre |
|--------------------------|----------------|----------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|
| 1 | 05:28 20:29 | 05:51 20:11 | 06:21 19:29 | 06:50 17:52-18:11/19 18:39 | 06:24 16:09-16:16/7 16:53 | 06:58 16:02-16:04/2 16:29 |
| 2 | 05:28 20:29 | 05:52 20:10 | 06:22 19:27 | 06:51 17:50-18:13/23 18:37 | 06:25 16:05-16:20/15 16:52 | 06:59 16:03-16:04/1 16:29 |
| 3 | 05:29 20:29 | 05:53 20:09 | 06:23 19:25 | 06:52 17:48-18:13/25 18:36 | 06:26 16:02-16:22/20 16:51 | 07:00 16:29 |
| 4 | 05:29 20:29 | 05:54 20:08 | 06:24 19:24 | 06:53 17:46-18:11/25 18:34 | 06:27 16:01-16:25/24 16:50 | 07:01 16:29 |
| 5 | 05:30 20:29 | 05:55 20:06 | 06:25 19:22 | 06:54 17:44-18:09/25 18:32 | 06:28 15:59-16:25/26 16:48 | 07:02 16:29 |
| 6 | 05:31 20:28 | 05:56 20:05 | 06:26 19:20 | 06:55 17:43-18:08/25 18:31 | 06:30 15:58-16:23/25 16:47 | 07:03 16:28 |
| 7 | 05:31 20:28 | 05:57 20:04 | 06:27 19:19 | 06:56 17:42-18:06/24 18:29 | 06:31 15:57-16:22/25 16:46 | 07:04 16:28 |
| 8 | 05:32 20:28 | 05:58 20:03 | 06:28 19:17 | 06:57 17:41-18:04/23 18:27 | 06:32 15:57-16:22/25 16:45 | 07:05 16:28 |
| 9 | 05:32 20:27 | 05:59 20:02 | 06:29 19:16 | 06:59 17:38-18:03/25 18:26 | 06:33 15:56-16:20/24 16:44 | 07:06 16:28 |
| 10 | 05:33 20:27 | 06:00 20:00 | 06:30 19:14 | 07:00 17:36-18:02/26 18:24 | 06:34 15:55-16:19/24 16:43 | 07:06 16:28 |
| 11 | 05:34 20:27 | 06:01 19:59 | 06:31 19:12 | 07:01 17:34-18:00/26 18:23 | 06:35 15:54-16:18/24 16:42 | 07:07 16:28 |
| 12 | 05:34 20:26 | 06:02 19:58 | 06:32 19:11 | 07:02 17:32-17:59/27 18:21 | 06:37 15:55-16:18/23 16:41 | 07:08 16:29 |
| 13 | 05:35 20:26 | 06:03 19:56 | 06:33 19:09 | 07:03 17:31-17:57/26 18:20 | 06:38 15:54-16:16/22 16:40 | 07:09 16:29 |
| 14 | 05:36 20:25 | 06:04 19:55 | 06:34 19:07 | 07:04 17:29-17:55/26 18:18 | 06:39 15:54-16:15/21 16:39 | 07:10 16:29 |
| 15 | 05:37 20:25 | 06:05 19:54 | 06:35 19:06 | 07:05 17:28-17:54/26 18:17 | 06:40 15:54-16:14/20 16:39 | 07:10 16:29 |
| 16 | 05:37 20:24 | 06:06 19:52 | 06:36 19:04 | 07:06 17:27-17:52/25 18:15 | 06:41 15:55-16:14/19 16:38 | 07:11 16:29 |
| 17 | 05:38 20:23 | 06:07 19:51 | 06:37 19:02 | 07:07 17:26-17:50/24 18:14 | 06:42 15:55-16:13/18 16:37 | 07:12 16:30 |
| 18 | 05:39 20:23 | 06:08 19:50 | 06:38 19:01 | 07:08 17:26-17:49/23 18:12 | 06:43 15:55-16:12/17 16:36 | 07:12 16:30 |
| 19 | 05:40 20:22 | 06:09 19:48 | 06:39 18:59 | 07:09 17:25-17:47/22 18:11 | 06:45 15:55-16:11/16 16:35 | 07:13 16:30 |
| 20 | 05:41 20:21 | 06:10 19:47 | 06:40 18:57 | 07:10 17:26-17:46/20 18:09 | 06:46 15:56-16:11/15 16:35 | 07:14 16:31 |
| 21 | 05:42 20:21 | 06:11 19:45 | 06:41 18:56 | 07:11 17:25-17:45/20 18:08 | 06:47 15:56-16:10/14 16:34 | 07:14 16:31 |
| 22 | 05:42 20:20 | 06:12 19:44 | 06:42 18:54 | 07:12 17:25-17:43/18 18:06 | 06:48 15:56-16:09/13 16:33 | 07:15 16:32 |
| 23 | 05:43 20:19 | 06:13 19:42 | 06:42 18:52 | 07:14 17:25-17:42/17 18:05 | 06:49 15:57-16:08/11 16:33 | 07:15 16:32 |
| 24 | 05:44 20:18 | 06:14 19:41 | 06:43 18:50 | 07:15 17:25-17:40/15 18:03 | 06:50 15:57-16:08/11 16:32 | 07:16 16:33 |
| 25 | 05:45 20:17 | 06:15 19:39 | 06:44 18:49 | 06:16 16:25-16:38/13 17:02 | 06:51 15:57-16:07/10 16:32 | 07:16 16:33 |
| 26 | 05:46 20:17 | 06:15 19:38 | 06:45 18:47 | 06:17 16:26-16:38/12 17:01 | 06:53 15:59-16:07/8 16:31 | 07:16 16:34 |
| 27 | 05:47 20:16 | 06:16 19:36 | 06:46 18:45 | 06:18 16:26-16:36/10 16:59 | 06:54 16:00-16:06/6 16:31 | 07:17 16:35 |
| 28 | 05:48 20:15 | 06:17 19:35 | 06:47 18:44 | 06:19 16:27-16:35/8 16:58 | 06:55 16:00-16:06/6 16:30 | 07:17 16:35 |
| 29 | 05:49 20:14 | 06:18 19:33 | 06:48 18:42 | 06:20 16:28-16:33/5 16:57 | 06:56 16:01-16:05/4 16:30 | 07:17 16:36 |
| 30 | 05:49 20:13 | 06:19 19:32 | 06:49 17:56-18:08/12 18:40 | 06:21 16:29-16:33/4 16:56 | 06:57 16:02-16:05/3 16:30 | 07:18 16:37 |
| 31 | 05:50 20:12 | 06:20 19:30 | | 06:23 16:30-16:31/1 16:54 | | 07:18 16:37 |
| Ore potenziali eliofanía | 457 | 427 | 375 | 346 | 299 | 290 |
| Somma minuti d'ombra | 0 | 0 | 12 | 608 | 496 | 3 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A10 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (10)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno |
|--------------------------|----------------|----------------|----------------|----------------|----------------|---|
| 1 | 07:18 16:38 | 07:05 17:12 | 06:30 17:45 | 06:40 19:18 | 05:55 19:49 | 06:25-07:03/38 20:18 |
| 2 | 07:18 16:39 | 07:04 17:13 | 06:29 17:46 | 06:39 19:19 | 05:54 19:50 | 06:26-07:02/36 20:19 |
| 3 | 07:18 16:40 | 07:03 17:14 | 06:27 17:47 | 06:37 19:20 | 05:53 19:51 | 06:27-07:01/34 20:20 |
| 4 | 07:18 16:41 | 07:02 17:16 | 06:26 17:49 | 06:35 19:21 | 05:52 19:52 | 06:27-07:01/34 06:14-06:26/12 20:20 |
| 5 | 07:18 16:42 | 07:01 17:17 | 06:24 17:50 | 06:34 19:23 | 05:50 19:53 | 06:10-07:00/50 20:21 |
| 6 | 07:18 16:43 | 07:00 17:18 | 06:22 17:51 | 06:32 19:24 | 05:49 19:54 | 06:09-06:59/50 20:22 |
| 7 | 07:18 16:44 | 06:59 17:19 | 06:21 17:52 | 06:31 19:25 | 05:48 19:56 | 06:07-06:57/50 20:22 |
| 8 | 07:18 16:45 | 06:58 17:21 | 06:19 17:53 | 06:29 19:26 | 05:47 19:57 | 06:06-06:55/49 20:23 |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | 06:27 19:27 | 05:46 19:58 | 06:05-06:53/48 20:23 |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | 06:26 19:28 | 05:45 19:59 | 06:04-06:51/47 20:24 |
| 11 | 07:18 16:48 | 06:55 17:24 | 06:15 17:56 | 06:24 19:29 | 05:43 20:00 | 06:43-06:56/13 06:03-06:37/34 20:25 |
| 12 | 07:17 16:49 | 06:53 17:25 | 06:13 17:57 | 06:23 19:30 | 05:42 20:01 | 06:41-06:58/17 06:02-06:38/36 20:25 |
| 13 | 07:17 16:50 | 06:52 17:27 | 06:11 17:58 | 06:21 19:31 | 05:41 20:01 | 06:39-07:00/21 20:26 |
| 14 | 07:17 16:51 | 06:51 17:28 | 06:10 18:00 | 06:20 19:32 | 05:40 20:02 | 06:38-07:02/24 20:26 |
| 15 | 07:16 16:52 | 06:50 17:29 | 06:08 18:01 | 06:18 19:33 | 05:39 20:03 | 06:36-07:03/27 20:26 |
| 16 | 07:16 16:53 | 06:48 17:30 | 06:06 18:02 | 06:16 19:34 | 05:38 20:04 | 06:35-07:04/29 20:27 |
| 17 | 07:16 16:54 | 06:47 17:31 | 06:05 18:03 | 06:15 19:35 | 05:38 20:05 | 06:33-07:04/31 20:27 |
| 18 | 07:15 16:55 | 06:46 17:33 | 06:03 18:04 | 06:13 19:36 | 05:37 20:06 | 06:32-07:05/33 20:27 |
| 19 | 07:15 16:56 | 06:44 17:34 | 06:02 18:05 | 06:12 19:37 | 05:36 20:07 | 06:31-07:06/35 20:28 |
| 20 | 07:14 16:58 | 06:43 17:35 | 06:00 18:06 | 06:10 19:38 | 05:35 20:08 | 06:29-07:06/37 20:28 |
| 21 | 07:14 16:59 | 06:42 17:36 | 05:58 18:07 | 06:09 19:39 | 05:34 20:09 | 06:28-07:06/38 20:28 |
| 22 | 07:13 17:00 | 06:40 17:37 | 05:57 18:08 | 06:08 19:40 | 05:33 20:10 | 06:26-07:06/40 20:29 |
| 23 | 07:12 17:01 | 06:39 17:38 | 05:55 18:09 | 06:06 19:41 | 05:33 20:11 | 06:25-07:06/41 20:29 |
| 24 | 07:12 17:02 | 06:37 17:40 | 05:53 18:10 | 06:05 19:42 | 05:32 20:12 | 06:26-07:07/41 20:29 |
| 25 | 07:11 17:03 | 06:36 17:41 | 05:52 18:11 | 06:03 19:43 | 05:31 20:13 | 06:25-07:06/41 20:29 |
| 26 | 07:10 17:05 | 06:35 17:42 | 05:50 18:12 | 06:02 19:44 | 05:30 20:13 | 06:25-07:06/41 20:29 |
| 27 | 07:09 17:06 | 06:33 17:43 | 05:48 18:13 | 06:01 19:45 | 05:30 20:14 | 06:24-07:05/41 20:29 |
| 28 | 07:09 17:07 | 06:32 17:44 | 05:47 18:14 | 05:59 19:46 | 05:29 20:15 | 06:25-07:05/40 20:29 |
| 29 | 07:08 17:08 | | 06:45 19:15 | 05:58 19:47 | 05:29 20:16 | 06:25-07:04/39 20:29 |
| 30 | 07:07 17:09 | | 06:43 19:16 | 05:57 19:48 | 05:28 20:17 | 06:26-07:04/38 20:29 |
| 31 | 07:06 17:11 | | 06:42 19:17 | | 05:28 20:17 | 05:58-06:43/45 20:29 |
| Ore potenziali eliofanía | 299 | 298 | 370 | 398 | 447 | 450 |
| Somma minuti d'ombra | 0 | 0 | 0 | 667 | 1367 | 1283 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A10 - Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (10)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre |
|--------------------------|-------------------------------|--|-------------------------------|----------------|----------------|----------------|
| 1 | 05:28 06:05-06:48/43 20:29 | 05:51 06:52-06:55/3 20:11 06:13-06:48/35 | 06:21 06:42-06:55/13 19:28 | 06:50 18:39 | 06:24 16:53 | 06:58 16:29 |
| 2 | 05:28 06:05-06:48/43 20:29 | 05:52 06:14-07:00/46 20:10 | 06:22 19:27 | 06:51 18:37 | 06:25 16:52 | 06:59 16:29 |
| 3 | 05:29 06:05-06:48/43 20:29 | 05:53 06:15-07:03/48 20:08 | 06:23 19:25 | 06:52 18:35 | 06:26 16:50 | 07:00 16:29 |
| 4 | 05:29 06:05-06:49/44 20:29 | 05:54 06:16-07:05/49 20:07 | 06:24 19:24 | 06:53 18:34 | 06:27 16:49 | 07:01 16:28 |
| 5 | 05:30 06:05-06:49/44 20:28 | 05:55 06:17-07:06/49 20:06 | 06:25 19:22 | 06:54 18:32 | 06:28 16:48 | 07:02 16:28 |
| 6 | 05:30 06:05-06:50/45 20:28 | 05:56 06:18-07:08/50 20:05 | 06:26 19:20 | 06:55 18:30 | 06:29 16:47 | 07:03 16:28 |
| 7 | 05:31 06:05-06:49/44 20:28 | 05:57 06:18-07:08/50 20:04 | 06:27 19:19 | 06:56 18:29 | 06:30 16:46 | 07:04 16:28 |
| 8 | 05:32 06:05-06:50/45 20:28 | 05:58 06:20-07:09/49 20:03 | 06:28 19:17 | 06:57 18:27 | 06:32 16:45 | 07:04 16:28 |
| 9 | 05:32 06:06-06:51/45 20:27 | 05:59 06:36-07:10/34 20:01 06:24-06:34/10 | 06:29 19:15 | 06:58 18:26 | 06:33 16:44 | 07:05 16:28 |
| 10 | 05:33 06:05-06:50/45 20:27 | 06:00 06:35-07:10/35 20:00 | 06:30 19:14 | 06:59 18:24 | 06:34 16:43 | 07:06 16:28 |
| 11 | 05:34 06:06-06:51/45 20:26 | 06:01 06:34-07:11/37 19:59 | 06:31 19:12 | 07:00 18:23 | 06:35 16:42 | 07:07 16:28 |
| 12 | 05:34 06:06-06:51/45 20:26 | 06:02 06:34-07:11/37 19:58 | 06:32 19:10 | 07:01 18:21 | 06:36 16:41 | 07:08 16:28 |
| 13 | 05:35 06:05-06:51/46 20:26 | 06:03 06:33-07:12/39 19:56 | 06:33 19:09 | 07:02 18:19 | 06:37 16:40 | 07:09 16:28 |
| 14 | 05:36 06:06-06:51/45 20:25 | 06:04 06:33-07:12/39 19:55 | 06:34 19:07 | 07:04 18:18 | 06:39 16:39 | 07:09 16:29 |
| 15 | 05:36 06:06-06:52/46 20:24 | 06:05 06:32-07:12/40 19:54 | 06:35 19:05 | 07:05 18:16 | 06:40 16:38 | 07:10 16:29 |
| 16 | 05:37 06:06-06:52/46 20:24 | 06:06 06:32-07:13/41 19:52 | 06:35 19:04 | 07:06 18:15 | 06:41 16:37 | 07:11 16:29 |
| 17 | 05:38 06:06-06:52/46 20:23 | 06:06 06:32-07:13/41 19:51 | 06:36 19:02 | 07:07 18:13 | 06:42 16:37 | 07:12 16:29 |
| 18 | 05:39 06:06-06:52/46 20:23 | 06:07 06:31-07:12/41 19:49 | 06:37 19:00 | 07:08 18:12 | 06:43 16:36 | 07:12 16:30 |
| 19 | 05:40 06:06-06:52/46 20:22 | 06:08 06:31-07:12/41 19:48 | 06:38 18:59 | 07:09 18:10 | 06:44 16:35 | 07:13 16:30 |
| 20 | 05:40 06:07-06:53/46 20:21 | 06:09 06:31-07:12/41 19:47 | 06:39 18:57 | 07:10 18:09 | 06:46 16:34 | 07:13 16:31 |
| 21 | 05:41 06:06-06:52/46 20:21 | 06:10 06:32-07:12/40 19:45 | 06:40 18:55 | 07:11 18:07 | 06:47 16:34 | 07:14 16:31 |
| 22 | 05:42 06:06-06:52/46 20:20 | 06:11 06:32-07:10/38 19:44 | 06:41 18:54 | 07:12 18:06 | 06:48 16:33 | 07:15 16:31 |
| 23 | 05:43 06:07-06:52/45 20:19 | 06:12 06:33-07:10/37 19:42 | 06:42 18:52 | 07:13 18:05 | 06:49 16:33 | 07:15 16:32 |
| 24 | 05:44 06:07-06:52/45 20:18 | 06:13 06:34-07:09/35 19:41 | 06:43 18:50 | 07:14 18:03 | 06:50 16:32 | 07:15 16:33 |
| 25 | 05:45 06:08-06:52/44 20:17 | 06:14 06:35-07:08/33 19:39 | 06:44 18:49 | 06:16 17:02 | 06:51 16:32 | 07:16 16:33 |
| 26 | 05:46 06:08-06:52/44 20:16 | 06:15 06:36-07:07/31 19:38 | 06:45 18:47 | 06:17 17:01 | 06:52 16:31 | 07:16 16:34 |
| 27 | 05:46 06:09-06:52/43 20:16 | 06:16 06:37-07:06/29 19:36 | 06:46 18:45 | 06:18 16:59 | 06:53 16:31 | 07:17 16:34 |
| 28 | 05:47 06:09-06:50/41 20:15 | 06:17 06:38-07:05/27 19:35 | 06:47 18:44 | 06:19 16:58 | 06:55 16:30 | 07:17 16:35 |
| 29 | 05:48 06:10-06:50/40 20:14 | 06:18 06:39-07:03/24 19:33 | 06:48 18:42 | 06:20 16:57 | 06:56 16:30 | 07:17 16:36 |
| 30 | 05:49 06:11-06:50/39 20:13 | 06:19 06:40-07:01/21 19:31 | 06:49 18:40 | 06:21 16:55 | 06:57 16:29 | 07:18 16:36 |
| 31 | 05:50 06:12-06:49/37 20:12 | 06:20 06:41-06:58/17 19:30 | | 06:22 16:54 | | 07:18 16:37 |
| Ore potenziali eliofanía | 457 | 427 | 375 | 346 | 299 | 290 |
| Somma minuti d'ombra | 1368 | 1187 | 13 | 0 | 0 | 0 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A11 - Siemens Gamesa SG 6.0-170 6200 170.0 IO! hub: 115,0 m (TOT: 200,0 m) (11)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre |
|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1 | 07:18 16:38 | 07:05 17:12 | 06:30 17:45 | 06:40 19:18 | 05:55 19:49 | 05:27 20:18 | 05:28 20:29 | 05:51 20:11 | 06:21 19:28 | 06:50 18:39 | 06:24 16:53 | 06:58 16:29 |
| 2 | 07:18 16:39 | 07:04 17:13 | 06:29 17:46 | 06:39 19:19 | 05:54 19:50 | 05:27 20:19 | 05:28 20:29 | 05:52 20:10 | 06:22 19:27 | 06:51 18:37 | 06:25 16:52 | 06:59 16:29 |
| 3 | 07:18 16:40 | 07:03 17:14 | 06:27 17:47 | 06:37 19:20 | 05:53 19:51 | 05:26 20:20 | 05:29 20:29 | 05:53 20:08 | 06:23 19:25 | 06:52 18:35 | 06:26 16:50 | 07:00 16:29 |
| 4 | 07:18 16:41 | 07:02 17:16 | 06:26 17:49 | 06:35 19:21 | 05:51 19:52 | 05:26 20:20 | 05:29 20:29 | 05:54 20:07 | 06:24 19:24 | 06:53 18:34 | 06:27 16:49 | 07:01 16:28 |
| 5 | 07:18 16:42 | 07:01 17:17 | 06:24 17:50 | 06:34 19:23 | 05:50 19:53 | 05:26 20:21 | 05:30 20:28 | 05:55 20:06 | 06:25 19:22 | 06:54 18:32 | 06:28 16:48 | 07:02 16:28 |
| 6 | 07:18 16:43 | 07:00 17:18 | 06:22 17:51 | 06:32 19:24 | 05:49 19:55 | 05:25 20:22 | 05:30 20:28 | 05:56 20:05 | 06:26 19:20 | 06:55 18:30 | 06:29 16:47 | 07:03 16:28 |
| 7 | 07:18 16:44 | 06:59 17:19 | 06:21 17:52 | 06:31 19:25 | 05:48 19:56 | 05:25 20:22 | 05:31 20:28 | 05:57 20:04 | 06:27 19:19 | 06:56 18:29 | 06:30 16:46 | 07:04 16:28 |
| 8 | 07:18 16:45 | 06:58 17:20 | 06:19 17:53 | 06:29 19:26 | 05:47 19:57 | 05:25 20:23 | 05:32 20:28 | 05:58 20:03 | 06:28 19:17 | 06:57 18:27 | 06:32 16:45 | 07:04 16:28 |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | 06:27 19:27 | 05:46 19:58 | 05:24 20:23 | 05:32 20:27 | 05:59 20:01 | 06:29 19:15 | 06:58 18:26 | 06:33 16:44 | 07:05 16:28 |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | 06:26 19:28 | 05:45 19:59 | 05:24 20:24 | 05:33 20:27 | 06:00 20:00 | 06:30 19:14 | 06:59 18:24 | 06:34 16:43 | 07:06 16:28 |
| 11 | 07:18 16:48 | 06:55 17:24 | 06:15 17:56 | 06:24 19:29 | 05:43 20:00 | 05:24 20:25 | 05:34 20:26 | 06:01 19:59 | 06:31 19:12 | 07:00 18:22 | 06:35 16:42 | 07:07 16:28 |
| 12 | 07:17 16:49 | 06:53 17:25 | 06:13 17:57 | 06:23 19:30 | 05:42 20:01 | 05:24 20:25 | 05:34 20:26 | 06:02 19:58 | 06:32 19:10 | 07:01 18:21 | 06:36 16:41 | 07:08 16:28 |
| 13 | 07:17 16:50 | 06:52 17:27 | 06:11 17:58 | 06:21 19:31 | 05:41 20:02 | 05:24 20:26 | 05:35 20:26 | 06:03 19:56 | 06:33 19:09 | 07:02 18:19 | 06:38 16:40 | 07:09 16:28 |
| 14 | 07:17 16:51 | 06:51 17:28 | 06:10 18:00 | 06:20 19:32 | 05:40 20:02 | 05:24 20:26 | 05:36 20:25 | 06:04 19:55 | 06:34 19:07 | 07:04 18:18 | 06:39 16:39 | 07:09 16:29 |
| 15 | 07:16 16:52 | 06:50 17:29 | 06:08 18:01 | 06:18 19:33 | 05:39 20:03 | 05:24 20:26 | 05:36 20:24 | 06:05 19:54 | 06:35 19:05 | 07:05 18:16 | 06:40 16:38 | 07:10 16:29 |
| 16 | 07:16 16:53 | 06:48 17:30 | 06:06 18:02 | 06:16 19:34 | 05:38 20:04 | 05:24 20:27 | 05:37 20:24 | 06:06 19:52 | 06:35 19:04 | 07:06 18:15 | 06:41 16:37 | 07:11 16:29 |
| 17 | 07:16 16:54 | 06:47 17:31 | 06:05 18:03 | 06:15 19:35 | 05:37 20:05 | 05:24 20:27 | 05:38 20:23 | 06:06 19:51 | 06:36 19:02 | 07:07 18:13 | 06:42 16:37 | 07:12 16:29 |
| 18 | 07:15 16:55 | 06:46 17:33 | 06:03 18:04 | 06:13 19:36 | 05:37 20:06 | 05:24 20:28 | 05:39 20:23 | 06:07 19:49 | 06:37 19:00 | 07:08 18:12 | 06:43 16:36 | 07:12 16:30 |
| 19 | 07:15 16:56 | 06:44 17:34 | 06:02 18:05 | 06:12 19:37 | 05:36 20:07 | 05:24 20:28 | 05:40 20:22 | 06:08 19:48 | 06:38 18:59 | 07:09 18:10 | 06:44 16:35 | 07:13 16:30 |
| 20 | 07:14 16:58 | 06:43 17:35 | 06:00 18:06 | 06:10 19:38 | 05:35 20:08 | 05:24 20:28 | 05:40 20:21 | 06:09 19:47 | 06:39 18:57 | 07:10 18:09 | 06:46 16:34 | 07:13 16:31 |
| 21 | 07:14 16:59 | 06:42 17:36 | 05:58 18:07 | 06:09 19:39 | 05:34 20:09 | 05:24 20:28 | 05:41 20:21 | 06:10 19:45 | 06:40 18:55 | 07:11 18:07 | 06:47 16:34 | 07:14 16:31 |
| 22 | 07:13 17:00 | 06:40 17:37 | 05:57 18:08 | 06:08 19:40 | 05:33 20:10 | 05:25 20:29 | 05:42 20:20 | 06:11 19:44 | 06:41 18:54 | 07:12 18:06 | 06:48 16:33 | 07:15 16:31 |
| 23 | 07:12 17:01 | 06:39 17:38 | 05:55 18:09 | 06:06 19:41 | 05:33 20:11 | 05:25 20:29 | 05:43 20:19 | 06:12 19:42 | 06:42 18:52 | 07:13 18:05 | 06:49 16:33 | 07:15 16:32 |
| 24 | 07:12 17:02 | 06:37 17:40 | 05:53 18:10 | 06:05 19:42 | 05:32 20:12 | 05:25 20:29 | 05:44 20:18 | 06:13 19:41 | 06:43 18:50 | 07:14 18:03 | 06:50 16:32 | 07:15 16:32 |
| 25 | 07:11 17:03 | 06:36 17:41 | 05:52 18:11 | 06:03 19:43 | 05:31 20:13 | 05:25 20:29 | 05:45 20:17 | 06:14 19:39 | 06:44 18:49 | 07:15 17:02 | 06:51 16:31 | 07:16 16:33 |
| 26 | 07:10 17:05 | 06:35 17:42 | 05:50 18:12 | 06:02 19:44 | 05:30 20:13 | 05:26 20:29 | 05:46 20:16 | 06:15 19:38 | 06:45 18:47 | 07:16 17:00 | 06:52 16:31 | 07:16 16:34 |
| 27 | 07:09 17:06 | 06:33 17:43 | 05:48 18:13 | 06:01 19:45 | 05:30 20:14 | 05:26 20:29 | 05:46 20:16 | 06:16 19:36 | 06:46 18:45 | 07:17 16:59 | 06:53 16:31 | 07:17 16:34 |
| 28 | 07:09 17:07 | 06:32 17:44 | 05:47 18:14 | 05:59 19:46 | 05:29 20:15 | 05:26 20:29 | 05:47 20:15 | 06:17 19:35 | 06:47 18:44 | 07:18 16:58 | 06:55 16:30 | 07:17 16:35 |
| 29 | 07:08 17:08 | | 06:45 19:15 | 05:58 19:47 | 05:29 20:16 | 05:27 20:29 | 05:48 20:14 | 06:18 19:33 | 06:48 18:42 | 06:20 16:57 | 06:56 16:30 | 07:17 16:36 |
| 30 | 07:07 17:09 | | 06:43 19:16 | 05:57 19:48 | 05:28 20:17 | 05:27 20:29 | 05:49 20:13 | 06:19 19:31 | 06:49 18:40 | 06:21 16:55 | 06:57 16:29 | 07:18 16:36 |
| 31 | 07:06 17:11 | | 06:42 19:17 | | 05:28 20:17 | | 05:50 20:12 | 06:20 19:30 | | 06:22 16:54 | | 07:18 16:37 |
| Ore potenziali eliofanìa | 299 | 298 | 370 | 398 | 447 | 450 | 457 | 427 | 375 | 346 | 299 | 290 |
| Somma minuti d'ombra | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A2 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (2)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno |
|--------------------------|-------------------------------|----------------|----------------|-------------------------------|--|--|
| 1 | 07:18 07:52-08:27/35 16:39 | 07:05 17:12 | 06:30 17:45 | 06:40 19:19 | 05:55 18:25-19:27/62 19:50 | 05:27 19:33-19:53/20 20:18 18:46-19:19/33 |
| 2 | 07:18 07:52-08:27/35 16:39 | 07:04 17:13 | 06:29 17:47 | 06:39 18:57-18:58/1 19:20 | 05:54 18:24-19:27/63 19:51 | 05:27 19:33-19:54/21 20:19 18:48-19:19/31 |
| 3 | 07:18 07:54-08:28/34 16:40 | 07:03 17:15 | 06:27 17:48 | 06:37 18:52-18:59/7 19:21 | 05:53 18:25-19:29/64 19:52 | 05:26 19:33-19:55/22 20:20 18:49-19:18/29 |
| 4 | 07:18 07:53-08:28/35 16:41 | 07:02 17:16 | 06:26 17:49 | 06:36 18:50-19:01/11 19:22 | 05:52 18:25-19:30/65 19:53 | 05:26 19:32-19:55/23 20:21 18:50-19:16/26 |
| 5 | 07:18 07:54-08:28/34 16:42 | 07:01 17:17 | 06:24 17:50 | 06:34 18:46-19:01/15 19:23 | 05:50 18:25-19:31/66 19:54 | 05:26 19:32-19:56/24 20:21 18:52-19:15/23 |
| 6 | 07:18 07:54-08:29/35 16:43 | 07:00 17:18 | 06:23 17:51 | 06:32 18:45-19:03/18 19:24 | 05:49 18:26-19:32/66 19:55 | 05:25 19:32-19:57/25 20:22 18:54-19:14/20 |
| 7 | 07:18 07:55-08:29/34 16:44 | 06:59 17:19 | 06:21 17:52 | 06:31 18:42-19:03/21 19:25 | 05:48 18:26-19:33/67 19:56 | 05:25 19:32-19:58/26 20:22 18:56-19:13/17 |
| 8 | 07:18 07:56-08:30/34 16:45 | 06:58 17:21 | 06:19 17:53 | 06:29 18:40-19:04/24 19:26 | 05:47 18:26-19:33/67 19:57 | 05:25 19:31-19:58/27 20:23 18:57-19:11/14 |
| 9 | 07:18 07:56-08:30/34 16:46 | 06:57 17:22 | 06:18 17:54 | 06:28 18:38-19:06/28 19:27 | 05:46 18:26-19:34/68 19:58 | 05:25 19:31-19:58/27 20:24 19:00-19:09/9 |
| 10 | 07:18 07:57-08:31/34 16:47 | 06:56 17:23 | 06:16 17:55 | 06:26 18:36-19:06/30 19:28 | 05:45 18:27-19:35/68 19:59 | 05:25 19:32-19:59/27 20:24 |
| 11 | 07:18 07:57-08:30/33 16:48 | 06:55 17:24 | 06:15 17:57 | 06:24 18:36-19:08/32 19:29 | 05:44 18:27-19:35/68 20:00 | 05:24 19:32-20:00/28 20:25 |
| 12 | 07:18 07:58-08:31/33 16:49 | 06:54 17:26 | 06:13 17:58 | 06:23 18:34-19:08/34 19:30 | 05:43 18:28-19:35/67 20:01 | 05:24 19:32-20:00/28 20:25 |
| 13 | 07:17 07:59-08:31/32 16:50 | 06:52 17:27 | 06:12 17:59 | 06:21 18:33-19:10/37 19:31 | 05:42 18:28-19:34/66 20:02 | 05:24 19:32-20:01/29 20:26 |
| 14 | 07:17 07:59-08:31/32 16:51 | 06:51 17:28 | 06:10 18:00 | 06:20 18:31-19:10/39 19:32 | 05:41 18:29-19:33/64 20:03 | 05:24 19:32-20:01/29 20:26 |
| 15 | 07:17 08:01-08:31/30 16:52 | 06:50 17:29 | 06:08 18:01 | 06:18 18:31-19:12/41 19:33 | 05:40 18:30-19:34/64 20:04 | 05:24 19:32-20:01/29 20:27 |
| 16 | 07:16 08:01-08:30/29 16:53 | 06:49 17:30 | 06:07 18:02 | 06:17 18:30-19:12/42 19:34 | 05:39 18:31-19:33/62 20:05 | 05:24 19:32-20:02/30 20:27 |
| 17 | 07:16 08:02-08:31/29 16:54 | 06:47 17:32 | 06:05 18:03 | 06:15 18:29-19:14/45 19:35 | 05:38 18:32-19:32/60 20:06 | 05:24 19:32-20:02/30 20:27 |
| 18 | 07:15 08:03-08:30/27 16:55 | 06:46 17:33 | 06:03 18:04 | 06:14 18:28-19:14/46 19:36 | 05:37 18:32-19:31/59 20:06 | 05:24 19:32-20:02/30 20:28 |
| 19 | 07:15 08:04-08:30/26 16:57 | 06:45 17:34 | 06:02 18:05 | 06:12 18:28-19:16/48 19:37 | 05:36 18:33-19:30/57 20:07 | 05:24 19:32-20:02/30 20:28 |
| 20 | 07:14 08:05-08:29/24 16:58 | 06:43 17:35 | 06:00 18:06 | 06:11 18:27-19:16/49 19:38 | 05:35 18:33-19:29/56 20:08 | 05:24 19:33-20:03/30 20:28 |
| 21 | 07:14 08:06-08:28/22 16:59 | 06:42 17:36 | 05:58 18:07 | 06:09 18:26-19:17/51 19:39 | 05:34 19:44-19:46/2 20:09 18:35-19:29/54 | 05:25 19:33-20:03/30 20:28 |
| 22 | 07:13 08:08-08:28/20 17:00 | 06:40 17:37 | 05:57 18:08 | 06:08 18:25-19:18/53 19:40 | 05:34 19:42-19:46/4 20:10 18:36-19:28/52 | 05:25 19:33-20:03/30 20:29 |
| 23 | 07:13 08:10-08:26/16 17:01 | 06:39 17:39 | 05:55 18:09 | 06:06 18:25-19:19/54 19:41 | 05:33 19:40-19:47/7 20:11 18:36-19:27/51 | 05:25 19:33-20:03/30 20:29 |
| 24 | 07:12 08:12-08:24/12 17:02 | 06:38 17:40 | 05:54 18:10 | 06:05 18:25-19:20/55 19:42 | 05:32 19:40-19:48/8 20:12 18:38-19:27/49 | 05:25 19:34-20:04/30 20:29 |
| 25 | 07:11 08:16-08:19/3 17:04 | 06:36 17:41 | 05:52 18:11 | 06:04 18:25-19:21/56 19:43 | 05:31 19:38-19:48/10 20:13 18:39-19:26/47 | 05:26 19:34-20:04/30 20:29 |
| 26 | 07:10 17:05 | 06:35 17:42 | 05:50 18:12 | 06:02 18:25-19:22/57 19:44 | 05:31 19:37-19:49/12 20:14 18:39-19:25/46 | 05:26 19:34-20:04/30 20:29 |
| 27 | 07:10 17:06 | 06:33 17:43 | 05:49 18:13 | 06:01 18:25-19:23/58 19:45 | 05:30 19:37-19:50/13 20:14 18:41-19:24/43 | 05:26 19:35-20:05/30 20:29 |
| 28 | 07:09 17:07 | 06:32 17:44 | 05:47 18:14 | 05:59 18:24-19:24/60 19:46 | 05:29 19:36-19:51/15 20:15 18:41-19:23/42 | 05:27 19:35-20:04/29 20:29 |
| 29 | 07:08 17:08 | 06:45 19:15 | 05:58 19:48 | 05:58 18:24-19:25/61 19:48 | 05:29 19:35-19:52/17 20:16 18:43-19:23/40 | 05:27 19:35-20:04/29 20:29 |
| 30 | 07:07 17:10 | 06:44 19:17 | 05:57 19:49 | 05:57 18:25-19:26/61 19:49 | 05:28 19:34-19:52/18 20:17 18:44-19:21/37 | 05:27 19:36-20:04/28 20:29 |
| 31 | 07:06 17:11 | 06:42 19:18 | | | 05:28 19:34-19:53/19 20:18 18:45-19:21/36 | |
| Ore potenziali eliofanía | 299 | 298 | 370 | 398 | 447 | 450 |
| Somma minuti d'ombra | 712 | 0 | 0 | 1134 | 1901 | 1033 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A2 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (2)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre |
|--------------------------|--|-------------------------------|-------------------------------|----------------|-------------------------------|-------------------------------|
| 1 | 05:28 19:36-20:04/28 20:29 | 05:51 18:38-19:45/67 20:11 | 06:21 18:35-19:07/32 19:29 | 06:50 18:39 | 06:24 16:53 | 06:58 07:39-08:12/33 16:29 |
| 2 | 05:28 19:37-20:04/27 20:29 | 05:52 18:38-19:46/68 20:10 | 06:22 18:35-19:05/30 19:27 | 06:51 18:37 | 06:25 16:52 | 06:59 07:39-08:13/34 16:29 |
| 3 | 05:29 19:36-20:04/28 20:29 19:06-19:13/7 | 05:53 18:37-19:45/68 20:09 | 06:23 18:36-19:04/28 19:25 | 06:52 18:36 | 06:26 16:51 | 07:00 07:39-08:13/34 16:29 |
| 4 | 05:29 19:37-20:04/27 20:29 19:04-19:16/12 | 05:54 18:37-19:44/67 20:07 | 06:24 18:38-19:02/24 19:24 | 06:53 18:34 | 06:27 16:49 | 07:01 07:40-08:14/34 16:29 |
| 5 | 05:30 19:37-20:03/26 20:29 19:02-19:18/16 | 05:55 18:36-19:43/67 20:06 | 06:25 18:39-19:01/22 19:22 | 06:54 18:32 | 06:28 16:48 | 07:02 07:40-08:14/34 16:29 |
| 6 | 05:31 19:38-20:03/25 20:28 18:59-19:21/22 | 05:56 18:36-19:42/66 20:05 | 06:26 18:40-18:58/18 19:20 | 06:55 18:31 | 06:29 16:47 | 07:03 07:40-08:15/35 16:28 |
| 7 | 05:31 19:38-20:03/25 20:28 18:59-19:21/22 | 05:57 18:35-19:41/66 20:04 | 06:27 18:41-18:56/15 19:19 | 06:56 18:29 | 06:31 16:46 | 07:04 07:41-08:15/34 16:28 |
| 8 | 05:32 19:39-20:03/24 20:28 18:58-19:23/25 | 05:58 18:35-19:40/65 20:03 | 06:28 18:43-18:55/12 19:17 | 06:57 18:27 | 06:32 16:45 | 07:05 07:41-08:16/35 16:28 |
| 9 | 05:32 19:40-20:03/23 20:27 18:57-19:25/28 | 05:59 18:33-19:38/65 20:02 | 06:29 18:46-18:53/7 19:16 | 06:59 18:26 | 06:33 16:44 | 07:06 07:42-08:16/34 16:28 |
| 10 | 05:33 19:40-20:02/22 20:27 18:56-19:25/29 | 06:00 18:33-19:37/64 20:00 | 06:30 18:50-18:52/2 19:14 | 07:00 18:24 | 06:34 16:43 | 07:06 07:42-08:17/35 16:28 |
| 11 | 05:34 19:41-20:02/21 20:27 18:55-19:27/32 | 06:01 18:33-19:36/63 19:59 | 06:31 19:12 | 07:01 18:23 | 06:35 16:42 | 07:07 07:43-08:18/35 16:28 |
| 12 | 05:34 19:42-20:02/20 20:26 18:54-19:29/35 | 06:02 18:32-19:35/63 19:58 | 06:32 19:11 | 07:02 18:21 | 06:37 16:41 | 07:08 07:42-08:17/35 16:29 |
| 13 | 05:35 19:42-20:01/19 20:26 18:52-19:29/37 | 06:03 18:32-19:34/62 19:56 | 06:33 19:09 | 07:03 18:20 | 06:38 16:40 | 07:09 07:43-08:18/35 16:29 |
| 14 | 05:36 19:43-20:00/17 20:25 18:52-19:30/38 | 06:04 18:32-19:32/60 19:55 | 06:34 19:07 | 07:04 18:18 | 06:39 16:39 | 07:10 07:44-08:19/35 16:29 |
| 15 | 05:37 19:44-20:00/16 20:25 18:51-19:32/41 | 06:05 18:32-19:31/59 19:54 | 06:35 19:06 | 07:05 18:17 | 06:40 16:38 | 07:10 07:45-08:19/34 16:29 |
| 16 | 05:37 19:46-20:00/14 20:24 18:51-19:33/42 | 06:06 18:32-19:30/58 19:52 | 06:36 19:04 | 07:06 18:15 | 06:41 16:38 | 07:11 07:44-08:19/35 16:29 |
| 17 | 05:38 19:46-19:59/13 20:23 18:49-19:33/44 | 06:07 18:31-19:29/58 19:51 | 06:37 19:02 | 07:07 18:14 | 06:42 07:50-07:53/3 16:37 | 07:12 07:45-08:20/35 16:30 |
| 18 | 05:39 19:47-19:58/11 20:23 18:48-19:35/47 | 06:08 18:31-19:27/56 19:50 | 06:38 19:01 | 07:08 18:12 | 06:43 07:46-07:58/12 16:36 | 07:12 07:46-08:21/35 16:30 |
| 19 | 05:40 19:49-19:58/9 20:22 18:48-19:36/48 | 06:09 18:31-19:26/55 19:48 | 06:39 18:59 | 07:09 18:11 | 06:45 07:44-08:00/16 16:35 | 07:13 07:46-08:21/35 16:30 |
| 20 | 05:41 19:50-19:57/7 20:21 18:47-19:37/50 | 06:10 18:31-19:25/54 19:47 | 06:40 18:57 | 07:10 18:09 | 06:46 07:43-08:03/20 16:35 | 07:14 07:47-08:21/34 16:31 |
| 21 | 05:41 19:52-19:57/5 20:21 18:47-19:38/51 | 06:11 18:31-19:23/52 19:45 | 06:41 18:55 | 07:11 18:08 | 06:47 07:42-08:04/22 16:34 | 07:14 07:47-08:21/34 16:31 |
| 22 | 05:42 19:53-19:55/2 20:20 18:45-19:38/53 | 06:12 18:31-19:22/51 19:44 | 06:41 18:54 | 07:12 18:06 | 06:48 07:41-08:05/24 16:33 | 07:15 07:48-08:22/34 16:32 |
| 23 | 05:43 18:44-19:39/55 20:19 | 06:13 18:30-19:20/50 19:42 | 06:42 18:52 | 07:13 18:05 | 06:49 07:40-08:06/26 16:33 | 07:15 07:48-08:22/34 16:32 |
| 24 | 05:44 18:44-19:40/56 20:18 | 06:14 18:31-19:18/47 19:41 | 06:43 18:50 | 07:15 18:03 | 06:50 07:40-08:07/27 16:32 | 07:16 07:49-08:24/35 16:33 |
| 25 | 05:45 18:43-19:41/58 20:17 | 06:14 18:31-19:17/46 19:39 | 06:44 18:49 | 07:16 17:02 | 06:51 07:40-08:09/29 16:32 | 07:16 07:49-08:24/35 16:33 |
| 26 | 05:46 18:43-19:42/59 20:17 | 06:15 18:31-19:15/44 19:38 | 06:45 18:47 | 07:17 17:01 | 06:53 07:40-08:09/29 16:31 | 07:16 07:49-08:24/35 16:34 |
| 27 | 05:47 18:42-19:43/61 20:16 | 06:16 18:32-19:14/42 19:36 | 06:46 18:45 | 07:18 16:59 | 06:54 07:40-08:10/30 16:31 | 07:17 07:50-08:25/35 16:35 |
| 28 | 05:48 18:41-19:44/63 20:15 | 06:17 18:32-19:13/41 19:35 | 06:47 18:44 | 07:19 16:58 | 06:55 07:39-08:11/32 16:30 | 07:17 07:50-08:25/35 16:35 |
| 29 | 05:49 18:40-19:43/63 20:14 | 06:18 18:32-19:11/39 19:33 | 06:48 18:42 | 07:20 16:57 | 06:56 07:39-08:11/32 16:30 | 07:17 07:51-08:25/34 16:36 |
| 30 | 05:49 18:39-19:44/65 20:13 | 06:19 18:33-19:10/37 19:32 | 06:49 18:40 | 07:21 16:56 | 06:57 07:39-08:12/33 16:30 | 07:18 07:51-08:26/35 16:37 |
| 31 | 05:50 18:39-19:45/66 20:12 | 06:20 18:34-19:08/34 19:30 | | 06:23 16:54 | | 07:18 07:51-08:26/35 16:37 |
| Ore potenziali eliofanía | 457 | 427 | 375 | 346 | 299 | 290 |
| Somma minuti d'ombra | 1631 | 1734 | 190 | 0 | 335 | 1071 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A3 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (3)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il di, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre |
|--------------------------|----------------|----------------|----------------|----------------|-------------------------|----------------|----------------|----------------|----------------|----------------|-------------------------|----------------|
| 1 | 07:18 16:38 | 07:05 17:12 | 06:30 17:45 | 06:40 19:19 | 07:19-08:14/55 19:50 | 05:55 20:18 | 05:27 20:29 | 05:28 20:11 | 05:51 19:29 | 06:21 18:39 | 07:15-08:05/50 06:51 | 06:58 16:29 |
| 2 | 07:18 16:39 | 07:04 17:13 | 06:29 17:47 | 06:39 19:20 | 07:18-08:12/54 19:51 | 05:54 20:19 | 05:27 20:29 | 05:28 20:10 | 05:52 19:27 | 06:22 18:37 | 07:15-08:06/51 06:51 | 06:59 16:29 |
| 3 | 07:18 16:40 | 07:04 17:15 | 06:27 17:48 | 06:37 19:21 | 07:17-08:11/54 19:52 | 05:53 20:20 | 05:26 20:29 | 05:29 20:09 | 05:53 19:25 | 06:23 18:36 | 07:14-08:06/52 06:52 | 06:59 16:29 |
| 4 | 07:18 16:41 | 07:03 17:16 | 06:26 17:49 | 06:36 19:22 | 07:17-08:11/54 19:53 | 05:52 20:21 | 05:26 20:29 | 05:29 20:08 | 05:54 19:24 | 06:24 18:34 | 07:13-08:06/53 06:53 | 06:59 16:29 |
| 5 | 07:19 16:42 | 07:01 17:17 | 06:24 17:50 | 06:34 19:23 | 07:16-08:10/54 19:54 | 05:50 20:21 | 05:26 20:29 | 05:55 20:06 | 05:55 19:22 | 06:25 18:32 | 07:13-08:06/53 06:54 | 06:59 16:29 |
| 6 | 07:19 16:43 | 07:00 17:18 | 06:23 17:51 | 06:32 19:24 | 07:16-08:10/54 19:55 | 05:49 20:22 | 05:25 20:28 | 05:56 20:05 | 05:56 19:20 | 06:26 18:29 | 07:12-08:05/53 06:55 | 06:59 16:28 |
| 7 | 07:18 16:44 | 06:59 17:19 | 06:21 17:52 | 06:31 19:25 | 07:16-08:09/53 19:56 | 05:48 20:22 | 05:25 20:28 | 05:57 20:04 | 05:57 19:19 | 06:27 18:29 | 07:11-08:05/54 06:56 | 06:59 16:28 |
| 8 | 07:18 16:45 | 06:58 17:21 | 06:19 17:53 | 06:29 19:26 | 07:15-08:08/53 19:57 | 05:47 20:23 | 05:25 20:28 | 05:58 20:03 | 05:58 19:17 | 06:28 18:27 | 07:11-08:05/54 06:57 | 06:59 16:28 |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | 06:28 19:27 | 07:16-08:08/52 19:58 | 05:46 20:24 | 05:25 20:27 | 05:59 20:02 | 05:59 19:16 | 06:29 18:26 | 07:11-08:05/54 06:59 | 06:59 16:28 |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | 06:26 19:28 | 07:16-08:07/51 19:59 | 05:45 20:24 | 05:24 20:27 | 06:00 20:00 | 06:00 19:14 | 06:30 18:24 | 07:11-08:05/54 07:00 | 06:59 16:28 |
| 11 | 07:18 16:48 | 06:55 17:24 | 06:15 17:56 | 06:24 19:29 | 07:16-08:06/50 19:59 | 05:44 20:25 | 05:24 20:27 | 06:01 19:59 | 06:01 19:12 | 06:31 18:23 | 07:11-08:06/55 07:01 | 06:59 16:28 |
| 12 | 07:18 16:49 | 06:54 17:26 | 06:13 17:58 | 06:23 19:30 | 07:16-08:05/49 19:59 | 05:43 20:25 | 05:24 20:26 | 06:02 19:58 | 06:02 19:11 | 06:32 18:21 | 07:11-08:06/55 07:02 | 06:59 16:28 |
| 13 | 07:17 16:50 | 06:52 17:27 | 06:12 17:59 | 06:21 19:31 | 07:17-08:04/47 19:59 | 05:42 20:26 | 05:24 20:26 | 06:03 19:56 | 06:03 19:09 | 06:33 18:20 | 07:11-08:06/55 07:03 | 06:59 16:29 |
| 14 | 07:17 16:51 | 06:51 17:28 | 06:10 18:00 | 06:20 19:32 | 07:17-08:03/46 19:59 | 05:41 20:03 | 05:24 20:26 | 06:04 19:55 | 06:04 19:07 | 06:34 18:18 | 07:11-08:07/56 07:04 | 06:59 16:29 |
| 15 | 07:17 16:52 | 06:50 17:29 | 06:08 18:01 | 06:18 19:33 | 07:18-08:02/44 19:59 | 05:40 20:04 | 05:24 20:27 | 06:05 19:54 | 06:05 19:06 | 06:35 18:17 | 07:12-08:07/55 07:05 | 06:59 16:29 |
| 16 | 07:16 16:53 | 06:49 17:30 | 06:07 18:02 | 06:17 19:34 | 07:18-08:00/42 19:59 | 05:39 20:05 | 05:24 20:27 | 06:06 19:52 | 06:06 19:04 | 06:36 18:15 | 07:12-08:06/54 07:06 | 06:59 16:29 |
| 17 | 07:16 16:54 | 06:47 17:32 | 06:05 18:03 | 06:15 19:35 | 07:20-07:59/39 19:59 | 05:38 20:06 | 05:24 20:27 | 06:07 19:51 | 06:07 19:02 | 06:37 18:14 | 07:13-08:06/53 07:07 | 06:59 16:30 |
| 18 | 07:15 16:55 | 06:46 17:33 | 06:03 18:04 | 06:14 19:36 | 07:20-07:57/37 19:59 | 05:37 20:06 | 05:24 20:28 | 06:08 19:50 | 06:08 19:01 | 06:38 18:12 | 07:14-08:06/52 07:08 | 06:59 16:30 |
| 19 | 07:15 16:57 | 06:45 17:34 | 06:02 18:05 | 06:12 19:37 | 07:22-07:56/34 19:59 | 05:36 20:07 | 05:24 20:22 | 06:09 19:48 | 06:09 18:59 | 06:39 18:11 | 07:15-08:06/51 07:09 | 06:59 16:30 |
| 20 | 07:14 16:58 | 06:43 17:35 | 06:00 18:06 | 06:11 19:38 | 07:23-07:53/30 19:59 | 05:35 20:08 | 05:24 20:21 | 06:10 19:47 | 06:10 18:57 | 06:40 18:09 | 07:16-08:05/49 07:10 | 06:59 16:31 |
| 21 | 07:14 16:59 | 06:42 17:36 | 05:58 18:07 | 06:09 19:39 | 07:25-07:51/26 19:59 | 05:34 20:09 | 05:25 20:21 | 06:11 19:45 | 06:11 18:55 | 06:41 18:08 | 07:17-08:03/46 07:11 | 06:59 16:31 |
| 22 | 07:13 17:00 | 06:40 17:37 | 05:57 18:08 | 06:08 19:40 | 07:27-07:48/21 19:59 | 05:33 20:10 | 05:25 20:20 | 06:12 19:44 | 06:12 18:54 | 06:42 18:06 | 07:17-08:03/46 07:12 | 06:59 16:32 |
| 23 | 07:13 17:01 | 06:39 17:39 | 05:55 18:09 | 06:06 19:41 | 07:31-07:44/13 19:59 | 05:33 20:11 | 05:25 20:19 | 06:13 19:42 | 06:13 18:52 | 06:43 18:05 | 07:27-07:58/31 06:42 | 06:59 16:32 |
| 24 | 07:12 17:02 | 06:38 17:40 | 05:54 18:10 | 06:05 19:42 | 06:28-07:18/50 19:59 | 05:32 20:12 | 05:25 20:18 | 06:14 19:41 | 06:14 18:50 | 06:44 18:03 | 07:25-07:59/34 06:43 | 06:59 16:32 |
| 25 | 07:11 17:04 | 06:36 17:41 | 05:52 18:11 | 06:04 19:43 | 06:26-07:18/52 19:59 | 05:31 20:13 | 05:26 20:18 | 06:14 19:39 | 06:14 18:49 | 06:44 18:02 | 07:23-08:00/37 06:44 | 06:59 16:33 |
| 26 | 07:10 17:05 | 06:35 17:42 | 05:50 18:12 | 06:02 19:44 | 06:25-07:18/53 19:59 | 05:31 20:14 | 05:26 20:17 | 06:15 19:38 | 06:15 18:47 | 06:45 18:01 | 07:21-08:01/40 06:45 | 06:59 16:34 |
| 27 | 07:10 17:06 | 06:33 17:43 | 05:49 18:13 | 06:01 19:45 | 06:23-07:17/54 19:59 | 05:30 20:14 | 05:26 20:16 | 06:16 19:36 | 06:16 18:45 | 06:46 18:00 | 07:20-08:02/42 06:46 | 06:59 16:35 |
| 28 | 07:09 17:07 | 06:32 17:44 | 05:47 18:14 | 05:59 19:46 | 06:22-07:16/54 19:59 | 05:29 20:15 | 05:27 20:15 | 06:17 19:35 | 06:17 18:44 | 06:47 18:00 | 07:19-08:03/44 06:47 | 06:59 16:35 |
| 29 | 07:08 17:08 | | 06:45 19:15 | 05:58 19:48 | 07:21-08:16/55 19:59 | 05:29 20:16 | 05:27 20:14 | 06:18 19:33 | 06:18 18:42 | 06:48 18:00 | 07:18-08:04/46 06:48 | 06:59 16:36 |
| 30 | 07:07 17:10 | | 06:44 19:17 | 05:57 19:49 | 07:20-08:15/55 19:59 | 05:28 20:17 | 05:27 20:13 | 06:19 19:32 | 06:19 18:40 | 06:49 18:00 | 07:17-08:04/47 06:49 | 06:59 16:37 |
| 31 | 07:06 17:11 | | 06:42 19:18 | | 07:19-08:14/55 19:59 | 05:28 20:18 | 05:50 20:12 | 06:20 19:30 | 06:20 18:40 | 06:50 18:00 | 07:16-08:05/49 06:50 | 06:59 16:37 |
| Ore potenziali eliofanía | 299 | 298 | 370 | 398 | 447 | 450 | 457 | 427 | 375 | 346 | 299 | 290 |
| Somma minuti d'ombra | 0 | 0 | 874 | 1012 | 0 | 0 | 0 | 433 | 375 | 346 | 0 | 0 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A4 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (4)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno |
|--------------------------|-------------------------------|-------------------------------|----------------|----------------|-------------------------------|-------------------------------|
| 1 | 07:18 16:38 | 07:05 16:30-16:48/18 17:12 | 06:30 17:45 | 06:40 19:19 | 05:55 19:50 | 05:27 05:49-06:39/50 20:18 |
| 2 | 07:18 16:39 | 07:05 16:31-16:50/19 17:13 | 06:29 17:47 | 06:39 19:20 | 05:54 19:51 | 05:27 05:48-06:38/50 20:19 |
| 3 | 07:18 16:40 | 07:04 16:32-16:51/19 17:15 | 06:27 17:48 | 06:37 19:21 | 05:53 06:12-06:13/1 19:52 | 05:26 05:48-06:39/51 20:20 |
| 4 | 07:19 16:41 | 07:03 16:33-16:52/19 17:16 | 06:26 17:49 | 06:36 19:22 | 05:52 06:11-06:17/6 19:53 | 05:26 05:47-06:38/51 20:21 |
| 5 | 07:19 16:42 | 07:02 16:35-16:54/19 17:17 | 06:24 17:50 | 06:34 19:23 | 05:50 06:10-06:19/9 19:54 | 05:26 05:47-06:39/52 20:21 |
| 6 | 07:19 16:43 | 07:00 16:37-16:53/16 17:19 | 06:23 17:51 | 06:32 19:24 | 05:49 06:09-06:22/13 19:55 | 05:25 05:47-06:39/52 20:22 |
| 7 | 07:19 16:44 | 06:59 16:40-16:50/10 17:19 | 06:21 17:52 | 06:31 19:25 | 05:48 06:08-06:23/15 19:56 | 05:25 05:47-06:40/53 20:23 |
| 8 | 07:18 16:45 | 06:58 17:21 | 06:20 17:53 | 06:29 19:26 | 05:47 06:07-06:25/18 19:57 | 05:25 05:46-06:39/53 20:23 |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | 06:28 19:27 | 05:46 06:05-06:25/20 19:58 | 05:25 05:46-06:40/54 20:24 |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | 06:26 19:28 | 05:45 06:04-06:26/22 19:59 | 05:24 05:46-06:40/54 20:24 |
| 11 | 07:18 16:48 | 06:55 17:24 | 06:15 17:57 | 06:24 19:29 | 05:44 06:03-06:28/25 20:00 | 05:24 05:46-06:40/54 20:25 |
| 12 | 07:18 16:49 | 06:54 17:26 | 06:13 17:58 | 06:23 19:30 | 05:43 06:02-06:29/27 20:01 | 05:24 05:46-06:40/54 20:25 |
| 13 | 07:17 16:50 | 06:52 17:27 | 06:12 17:59 | 06:21 19:31 | 05:42 06:01-06:29/28 20:02 | 05:24 05:46-06:41/55 20:26 |
| 14 | 07:17 16:24-16:26/2 16:51 | 06:51 17:28 | 06:10 18:00 | 06:20 19:32 | 05:41 06:01-06:31/30 20:03 | 05:24 05:46-06:41/55 20:26 |
| 15 | 07:17 16:25-16:27/2 16:52 | 06:50 17:29 | 06:08 18:01 | 06:18 19:33 | 05:40 06:00-06:32/32 20:04 | 05:24 05:46-06:41/55 20:27 |
| 16 | 07:16 16:24-16:28/4 16:53 | 06:49 17:30 | 06:07 18:02 | 06:17 19:34 | 05:39 05:59-06:32/33 20:05 | 05:24 05:46-06:41/55 20:27 |
| 17 | 07:16 16:25-16:30/5 16:54 | 06:47 17:32 | 06:05 18:03 | 06:15 19:35 | 05:38 05:58-06:33/35 20:06 | 05:24 05:46-06:41/55 20:27 |
| 18 | 07:15 16:25-16:30/5 16:55 | 06:46 17:33 | 06:03 18:04 | 06:14 19:36 | 05:37 05:57-06:33/36 20:07 | 05:24 05:46-06:41/55 20:28 |
| 19 | 07:15 16:26-16:32/6 16:57 | 06:45 17:34 | 06:02 18:05 | 06:12 19:37 | 05:36 05:56-06:33/37 20:07 | 05:24 05:46-06:42/56 20:28 |
| 20 | 07:14 16:26-16:33/7 16:58 | 06:43 17:35 | 06:00 18:06 | 06:11 19:38 | 05:35 05:55-06:34/39 20:08 | 05:24 05:47-06:43/56 20:28 |
| 21 | 07:14 16:26-16:34/8 16:59 | 06:42 17:36 | 05:59 18:07 | 06:09 19:39 | 05:34 05:55-06:35/40 20:09 | 05:25 05:47-06:43/56 20:29 |
| 22 | 07:13 16:27-16:36/9 17:00 | 06:41 17:37 | 05:57 18:08 | 06:08 19:40 | 05:33 05:54-06:35/41 20:10 | 05:25 05:47-06:43/56 20:29 |
| 23 | 07:13 16:27-16:37/10 17:01 | 06:39 17:39 | 05:55 18:09 | 06:06 19:41 | 05:33 05:53-06:35/42 20:11 | 05:25 05:47-06:43/56 20:29 |
| 24 | 07:12 16:27-16:38/11 17:02 | 06:38 17:40 | 05:54 18:10 | 06:05 19:42 | 05:32 05:53-06:36/43 20:12 | 05:25 05:48-06:43/55 20:29 |
| 25 | 07:11 16:27-16:39/12 17:04 | 06:36 17:41 | 05:52 18:11 | 06:04 19:43 | 05:31 05:52-06:36/44 20:13 | 05:26 05:48-06:43/55 20:29 |
| 26 | 07:11 16:28-16:41/13 17:05 | 06:35 17:42 | 05:50 18:12 | 06:02 19:44 | 05:31 05:51-06:36/45 20:14 | 05:26 05:48-06:43/55 20:29 |
| 27 | 07:10 16:28-16:42/14 17:06 | 06:33 17:43 | 05:49 18:13 | 06:01 19:46 | 05:30 05:51-06:37/46 20:15 | 05:26 05:49-06:44/55 20:29 |
| 28 | 07:09 16:28-16:43/15 17:07 | 06:32 17:44 | 05:47 18:14 | 05:59 19:47 | 05:29 05:50-06:37/47 20:15 | 05:27 05:49-06:44/55 20:29 |
| 29 | 07:08 16:29-16:44/15 17:08 | | 06:45 19:16 | 05:58 19:48 | 05:29 05:50-06:38/48 20:16 | 05:27 05:49-06:44/55 20:29 |
| 30 | 07:07 16:29-16:46/17 17:10 | | 06:44 19:17 | 05:57 19:49 | 05:28 05:49-06:37/48 20:17 | 05:27 05:50-06:45/55 20:29 |
| 31 | 07:06 16:30-16:47/17 17:11 | | 06:42 19:18 | | 05:28 05:49-06:38/49 20:18 | |
| Ore potenziali eliofanía | 299 | 298 | 370 | 398 | 447 | 450 |
| Somma minuti d'ombra | 172 | 120 | 0 | 0 | 919 | 1623 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A4 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (4)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre |
|--------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------|-------------|
| 1 | 05:28 05:50-06:44/54 20:29 | 05:51 06:13-06:39/26 20:11 | 06:21 19:29 | 06:50 18:39 | 06:24 16:53 | 06:58 16:29 |
| 2 | 05:28 05:51-06:45/54 20:29 | 05:52 06:14-06:38/24 20:10 | 06:22 19:27 | 06:51 18:37 | 06:25 16:52 | 06:59 16:29 |
| 3 | 05:29 05:51-06:45/54 20:29 | 05:53 06:15-06:37/22 20:09 | 06:23 19:25 | 06:52 18:36 | 06:26 16:51 | 07:00 16:29 |
| 4 | 05:29 05:52-06:45/53 20:29 | 05:54 06:16-06:35/19 20:08 | 06:24 19:24 | 06:53 18:34 | 06:27 16:49 | 07:01 16:29 |
| 5 | 05:30 05:52-06:45/53 20:29 | 05:55 06:17-06:34/17 20:06 | 06:25 19:22 | 06:54 18:32 | 06:28 16:48 | 07:02 16:28 |
| 6 | 05:31 05:53-06:46/53 20:28 | 05:56 06:18-06:32/14 20:05 | 06:26 19:20 | 06:55 18:31 | 06:30 16:47 | 07:03 16:28 |
| 7 | 05:31 05:54-06:46/52 20:28 | 05:57 06:19-06:31/12 20:04 | 06:27 19:19 | 06:56 18:29 | 06:31 16:46 | 07:04 16:28 |
| 8 | 05:32 05:54-06:46/52 20:28 | 05:58 06:20-06:28/8 20:03 | 06:28 19:17 | 06:58 18:27 | 06:32 16:45 | 07:05 16:28 |
| 9 | 05:32 05:55-06:46/51 20:27 | 05:59 06:21-06:26/5 20:02 | 06:29 19:16 | 06:59 18:26 | 06:33 16:44 | 07:06 16:28 |
| 10 | 05:33 05:55-06:45/50 20:27 | 06:00 20:00 | 06:30 19:14 | 07:00 18:24 | 06:34 16:43 | 07:06 16:28 |
| 11 | 05:34 05:56-06:46/50 20:27 | 06:01 19:59 | 06:31 19:12 | 07:01 18:23 | 06:35 16:42 | 07:07 16:28 |
| 12 | 05:34 05:57-06:46/49 20:26 | 06:02 19:58 | 06:32 19:11 | 07:02 18:21 | 06:37 16:41 | 07:08 16:28 |
| 13 | 05:35 05:57-06:46/49 20:26 | 06:03 19:57 | 06:33 19:09 | 07:03 18:20 | 06:38 16:40 | 07:09 16:29 |
| 14 | 05:36 05:58-06:46/48 20:25 | 06:04 19:55 | 06:34 19:07 | 07:04 18:18 | 06:39 16:39 | 07:10 16:29 |
| 15 | 05:37 05:59-06:46/47 20:25 | 06:05 19:54 | 06:35 19:06 | 07:05 18:17 | 06:40 16:38 | 07:10 16:29 |
| 16 | 05:37 06:00-06:46/46 20:24 | 06:06 19:52 | 06:36 19:04 | 07:06 18:15 | 06:41 16:38 | 07:11 16:29 |
| 17 | 05:38 06:00-06:45/45 20:24 | 06:07 19:51 | 06:37 19:02 | 07:07 18:14 | 06:42 16:37 | 07:12 16:30 |
| 18 | 05:39 06:01-06:46/45 20:23 | 06:08 19:50 | 06:38 19:01 | 07:08 18:12 | 06:44 16:36 | 07:12 16:30 |
| 19 | 05:40 06:02-06:46/44 20:22 | 06:09 19:48 | 06:39 18:59 | 07:09 18:11 | 06:45 16:35 | 07:13 16:30 |
| 20 | 05:41 06:03-06:46/43 20:22 | 06:10 19:47 | 06:40 18:57 | 07:10 18:09 | 06:46 16:35 | 07:14 16:31 |
| 21 | 05:41 06:04-06:46/42 20:21 | 06:11 19:45 | 06:41 18:56 | 07:11 18:08 | 06:47 16:34 | 07:14 16:31 |
| 22 | 05:42 06:04-06:45/41 20:20 | 06:12 19:44 | 06:42 18:54 | 07:12 18:06 | 06:48 16:33 | 07:15 16:32 |
| 23 | 05:43 06:05-06:44/39 20:19 | 06:13 19:42 | 06:42 18:52 | 07:14 18:05 | 06:49 16:33 | 07:15 16:32 |
| 24 | 05:44 06:06-06:44/38 20:18 | 06:14 19:41 | 06:43 18:50 | 07:15 18:03 | 06:50 16:32 | 07:16 16:33 |
| 25 | 05:45 06:07-06:44/37 20:18 | 06:14 19:39 | 06:44 18:49 | 07:16 17:02 | 06:52 16:32 | 07:16 16:33 |
| 26 | 05:46 06:08-06:44/36 20:17 | 06:15 19:38 | 06:45 18:47 | 07:17 17:01 | 06:53 16:31 | 07:17 16:34 |
| 27 | 05:47 06:09-06:43/34 20:16 | 06:16 19:36 | 06:46 18:45 | 07:18 16:59 | 06:54 16:31 | 07:17 16:35 |
| 28 | 05:48 06:10-06:43/33 20:15 | 06:17 19:35 | 06:47 18:44 | 07:19 16:58 | 06:55 16:30 | 07:17 16:35 |
| 29 | 05:49 06:10-06:41/31 20:14 | 06:18 19:33 | 06:48 18:42 | 07:20 16:57 | 06:56 16:30 | 07:18 16:36 |
| 30 | 05:49 06:11-06:40/29 20:13 | 06:19 19:32 | 06:49 18:40 | 07:21 16:56 | 06:57 16:30 | 07:18 16:37 |
| 31 | 05:50 06:12-06:40/28 20:12 | 06:20 19:30 | | 06:23 16:54 | | 07:18 16:37 |
| Ore potenziali eliofanía | 457 | 427 | 375 | 346 | 299 | 290 |
| Somma minuti d'ombra | 1380 | 147 | 0 | 0 | 293 | 0 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A5 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (5)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre |
|--------------------------|----------------|----------------|------------------------|-------------------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------------------|----------------|
| 1 | 07:18 16:39 | 07:05 17:12 | 06:30 17:45 | 17:15-17:24/9 19:19 | 06:40 19:50 | 05:56 20:19 | 05:27 20:29 | 05:28 20:11 | 05:51 19:29 | 06:21 18:39 | 06:50 16:53 | 06:24 16:29 |
| 2 | 07:18 16:39 | 07:05 17:13 | 06:29 17:47 | 17:15-17:26/11 19:20 | 06:39 19:51 | 05:54 20:19 | 05:27 20:29 | 05:28 20:10 | 05:52 19:27 | 06:22 18:37 | 06:51 16:52 | 06:59 16:29 |
| 3 | 07:19 16:40 | 07:04 17:15 | 06:27 17:48 | 17:14-17:27/13 19:21 | 06:37 19:52 | 05:53 20:20 | 05:26 20:29 | 05:29 20:09 | 05:53 19:25 | 06:23 18:36 | 06:52 16:51 | 07:00 16:29 |
| 4 | 07:19 16:41 | 07:03 17:16 | 06:26 17:49 | 17:13-17:27/14 19:22 | 06:36 19:53 | 05:52 20:21 | 05:26 20:29 | 05:29 20:08 | 05:54 19:24 | 06:24 18:34 | 06:53 17:58-18:02/4 | 06:27 16:50 |
| 5 | 07:19 16:42 | 07:02 17:17 | 06:24 17:50 | 17:14-17:29/15 19:23 | 06:34 19:54 | 05:51 20:21 | 05:26 20:29 | 05:30 20:06 | 05:55 19:22 | 06:25 18:32 | 06:54 17:54-18:05/11 | 06:28 16:48 |
| 6 | 07:19 16:43 | 07:01 17:18 | 06:23 17:51 | 17:14-17:30/16 19:24 | 06:32 19:55 | 05:49 20:22 | 05:31 20:28 | 05:56 20:05 | 06:26 19:21 | 06:56 18:31 | 17:52-18:07/15 | 06:30 16:47 |
| 7 | 07:19 16:44 | 06:59 17:20 | 06:21 17:52 | 17:15-17:31/16 19:25 | 06:31 19:56 | 05:48 20:23 | 05:31 20:28 | 05:57 20:04 | 06:27 19:19 | 06:57 18:29 | 17:50-18:06/16 | 06:31 16:46 |
| 8 | 07:18 16:45 | 06:58 17:21 | 06:20 17:53 | 17:16-17:30/14 19:26 | 06:29 19:57 | 05:47 20:23 | 05:32 20:28 | 05:58 20:03 | 06:28 19:17 | 06:58 18:28 | 17:49-18:04/15 | 06:32 16:45 |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | 17:18-17:27/9 19:27 | 06:28 19:58 | 05:46 20:24 | 05:25 20:28 | 05:59 20:02 | 06:29 19:16 | 06:59 18:26 | 17:48-18:03/15 | 06:33 16:44 |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | 06:26 19:28 | 06:26 19:59 | 05:45 20:24 | 05:25 20:27 | 05:33 20:00 | 06:00 19:14 | 06:30 18:24 | 07:00 17:49-18:02/13 | 06:34 16:43 |
| 11 | 07:18 16:48 | 06:55 17:24 | 06:15 17:57 | 06:24 19:29 | 06:24 20:00 | 05:44 20:25 | 05:34 20:27 | 06:01 19:59 | 06:31 19:12 | 07:01 18:23 | 17:48-18:00/12 | 06:35 16:42 |
| 12 | 07:18 16:49 | 06:54 17:26 | 06:13 17:58 | 06:23 19:30 | 06:23 20:01 | 05:43 20:25 | 05:34 20:26 | 06:02 19:58 | 06:32 19:11 | 07:02 18:21 | 17:48-17:59/11 | 06:37 16:41 |
| 13 | 07:17 16:50 | 06:52 17:27 | 06:12 17:59 | 06:21 19:31 | 06:21 20:02 | 05:42 20:26 | 05:35 20:26 | 06:03 19:57 | 06:33 19:09 | 07:03 18:20 | 17:48-17:57/9 | 06:38 16:40 |
| 14 | 07:17 16:51 | 06:51 17:28 | 06:10 18:00 | 06:20 19:32 | 06:20 20:03 | 05:41 20:26 | 05:36 20:25 | 06:04 19:55 | 06:34 19:07 | 07:04 18:18 | 17:49-17:55/6 | 06:39 16:29 |
| 15 | 07:17 16:52 | 06:50 17:29 | 06:08 18:01 | 06:18 19:33 | 06:18 20:04 | 05:40 20:27 | 05:37 20:25 | 06:05 19:54 | 06:35 19:06 | 07:05 18:17 | 17:49-17:54/5 | 06:40 16:29 |
| 16 | 07:16 16:53 | 06:49 17:30 | 06:07 18:02 | 06:17 19:34 | 06:17 20:05 | 05:39 20:27 | 05:37 20:24 | 06:06 19:53 | 06:36 19:04 | 07:06 18:15 | 17:51-17:52/1 | 06:41 16:29 |
| 17 | 07:16 16:54 | 06:47 17:32 | 06:05 18:03 | 06:15 19:35 | 06:15 20:06 | 05:38 20:27 | 05:38 20:24 | 06:07 19:51 | 06:37 19:02 | 07:07 18:14 | | 06:42 16:30 |
| 18 | 07:15 16:55 | 06:46 17:33 | 06:03 18:04 | 06:14 19:36 | 06:14 20:07 | 05:37 20:28 | 05:39 20:23 | 06:08 19:50 | 06:38 19:01 | 07:08 18:12 | | 06:44 16:30 |
| 19 | 07:15 16:57 | 06:45 17:34 | 06:02 18:05 | 06:12 19:37 | 06:12 20:08 | 05:36 20:28 | 05:40 20:22 | 06:09 19:48 | 06:39 18:59 | 07:09 18:11 | | 06:45 16:30 |
| 20 | 07:14 16:58 | 06:43 17:35 | 06:00 18:06 | 06:11 19:38 | 06:11 20:08 | 05:35 20:28 | 05:41 20:22 | 06:10 19:47 | 06:40 18:57 | 07:10 18:09 | | 06:46 16:31 |
| 21 | 07:14 16:59 | 06:42 17:36 | 05:59 18:07 | 06:09 19:39 | 06:09 20:09 | 05:34 20:29 | 05:41 20:21 | 06:11 19:45 | 06:41 18:56 | 07:11 18:08 | | 06:47 16:31 |
| 22 | 07:13 17:00 | 06:41 17:37 | 05:57 18:08 | 06:08 19:40 | 06:08 20:10 | 05:34 20:29 | 05:42 20:20 | 06:12 19:44 | 06:42 18:54 | 07:12 18:06 | | 06:48 16:32 |
| 23 | 07:13 17:01 | 06:39 17:39 | 05:55 18:09 | 06:06 19:41 | 06:06 20:11 | 05:33 20:29 | 05:43 20:19 | 06:13 19:42 | 06:43 18:52 | 07:14 18:05 | | 06:49 16:32 |
| 24 | 07:12 17:02 | 06:38 17:40 | 05:54 18:10 | 06:05 19:42 | 06:05 20:12 | 05:32 20:29 | 05:44 20:18 | 06:14 19:41 | 06:44 18:51 | 07:15 18:03 | | 06:50 16:33 |
| 25 | 07:11 17:04 | 06:36 17:41 | 05:52 18:11 | 06:04 19:43 | 06:04 20:13 | 05:31 20:29 | 05:45 20:18 | 06:15 19:39 | 06:44 18:49 | 07:16 17:02 | | 06:52 16:33 |
| 26 | 07:11 17:05 | 06:35 17:42 | 17:19-17:21/2 18:12 | 05:50 19:45 | 06:02 20:14 | 05:31 20:29 | 05:46 20:17 | 06:15 19:38 | 06:45 18:47 | 06:17 17:01 | | 06:53 16:34 |
| 27 | 07:10 17:06 | 06:33 17:43 | 17:17-17:22/5 18:13 | 05:49 19:46 | 06:01 20:15 | 05:30 20:29 | 05:47 20:16 | 06:16 19:36 | 06:46 18:46 | 06:18 16:59 | | 06:54 16:35 |
| 28 | 07:09 17:07 | 06:32 17:44 | 17:16-17:23/7 18:15 | 05:47 19:47 | 05:59 20:15 | 05:29 20:29 | 05:48 20:15 | 06:17 19:35 | 06:47 18:44 | 06:19 16:58 | | 06:55 16:35 |
| 29 | 07:08 17:09 | 06:45 17:44 | 06:45 19:16 | 06:45 19:48 | 05:58 20:16 | 05:29 20:29 | 05:49 20:14 | 06:18 19:33 | 06:48 18:42 | 06:20 16:57 | | 06:56 16:36 |
| 30 | 07:07 17:10 | 06:44 17:44 | 06:44 19:17 | 06:44 19:49 | 05:57 20:17 | 05:28 20:29 | 05:49 20:13 | 06:19 19:32 | 06:49 18:41 | 06:21 16:56 | | 06:57 16:37 |
| 31 | 07:06 17:11 | 06:42 17:44 | 06:42 19:18 | 06:42 19:49 | 05:57 20:18 | 05:28 20:29 | 05:50 20:12 | 06:20 19:30 | 06:23 16:54 | 06:23 16:54 | | 07:18 16:37 |
| Ore potenziali eliofanìa | 299 | 298 | 370 | 398 | 447 | 450 | 457 | 427 | 375 | 346 | 299 | 290 |
| Somma minuti d'ombra | 0 | 14 | 117 | 0 | 0 | 0 | 0 | 0 | 0 | 133 | 0 | 0 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A6 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (6) Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il dì, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno |
|--------------------------|-------------------------------|-------------------------------|----------------|--|--|-------------------------------|
| 1 | 07:18 14:58-16:12/74 16:38 | 07:05 15:10-16:24/74 17:12 | 06:30 17:45 | 06:40 06:59-07:07/8 19:19 | 05:55 18:57-19:23/26 19:50 06:23-07:25/62 | 05:27 19:14-19:46/32 20:18 |
| 2 | 07:18 14:59-16:14/75 16:39 | 07:05 15:11-16:24/73 17:13 | 06:29 17:47 | 06:39 06:57-07:12/15 19:20 | 05:54 18:58-19:22/24 19:25-19:28/3 19:51 06:22-07:24/62 | 05:27 19:15-19:46/31 20:19 |
| 3 | 07:19 14:59-16:15/76 16:40 | 07:04 15:12-16:24/72 17:15 | 06:27 17:48 | 06:37 06:55-07:15/20 19:21 | 05:53 19:00-19:21/21 19:22-19:29/7 19:52 06:23-07:23/60 | 05:26 19:16-19:47/31 20:20 |
| 4 | 07:19 15:00-16:16/76 16:41 | 07:03 15:13-16:23/70 17:16 | 06:26 17:49 | 06:36 06:54-07:18/24 19:22 | 05:52 19:01-19:30/29 19:53 06:23-07:23/60 | 05:26 19:16-19:46/30 20:21 |
| 5 | 07:19 14:59-16:16/77 16:42 | 07:02 15:14-16:23/69 17:17 | 06:24 17:50 | 06:34 06:52-07:20/28 19:23 | 05:50 19:03-19:31/28 19:54 06:24-07:22/58 | 05:26 19:17-19:46/29 20:21 |
| 6 | 07:19 15:00-16:17/77 16:43 | 07:00 15:15-16:22/67 17:18 | 06:23 17:51 | 06:32 06:51-07:22/31 19:24 | 05:49 19:06-19:15/9 19:17-19:32/15 19:55 06:24-07:22/58 | 05:25 19:18-19:46/28 20:22 |
| 7 | 07:19 15:00-16:18/78 16:44 | 06:59 15:16-16:22/66 17:19 | 06:21 17:52 | 06:31 06:49-07:23/34 19:25 | 05:48 06:25-07:21/56 19:56 19:15-19:32/17 | 05:25 19:18-19:46/28 20:23 |
| 8 | 07:18 15:00-16:19/79 16:45 | 06:58 15:17-16:21/64 17:21 | 06:20 17:53 | 06:29 06:47-07:24/37 19:26 | 05:47 06:25-07:19/54 19:57 19:14-19:33/19 | 05:25 19:18-19:45/27 20:23 |
| 9 | 07:18 15:01-16:20/79 16:46 | 06:57 15:18-16:21/63 17:22 | 06:18 17:54 | 06:28 06:46-07:25/39 19:27 | 05:46 06:26-07:18/52 19:58 19:13-19:34/21 | 05:25 19:19-19:45/26 20:24 |
| 10 | 07:18 15:02-16:20/78 16:47 | 06:56 15:19-16:19/60 17:23 | 06:16 17:55 | 06:26 06:44-07:25/41 19:28 19:04-19:06/2 | 05:45 06:26-07:17/51 19:59 19:12-19:35/23 | 05:24 19:20-19:45/25 20:24 |
| 11 | 07:18 15:01-16:20/79 16:48 | 06:55 15:20-16:18/58 17:24 | 06:15 17:57 | 06:24 06:43-07:27/44 19:29 19:01-19:08/7 | 05:44 06:27-07:16/49 20:00 19:12-19:36/24 | 05:24 19:20-19:45/25 20:25 |
| 12 | 07:18 15:02-16:21/79 16:49 | 06:54 15:22-16:17/55 17:26 | 06:13 17:58 | 06:23 06:41-07:27/46 19:30 18:59-19:08/9 | 05:43 06:28-07:15/47 20:01 19:11-19:37/26 | 05:24 19:21-19:45/24 20:25 |
| 13 | 07:17 15:02-16:22/80 16:50 | 06:52 15:24-16:16/52 17:27 | 06:12 17:59 | 06:21 06:40-07:28/48 19:31 18:58-19:10/12 | 05:42 06:29-07:14/45 20:02 19:11-19:38/27 | 05:24 19:21-19:45/24 20:26 |
| 14 | 07:17 15:02-16:22/80 16:51 | 06:51 15:25-16:14/49 17:28 | 06:10 18:00 | 06:20 18:56-19:10/14 19:32 06:38-07:28/50 | 05:41 06:30-07:13/43 20:03 19:10-19:39/29 | 05:24 19:22-19:44/22 20:26 |
| 15 | 07:17 15:03-16:23/80 16:52 | 06:50 15:27-16:12/45 17:29 | 06:08 18:01 | 06:18 18:55-19:12/17 19:33 06:37-07:29/52 | 05:40 06:32-07:13/41 20:04 19:10-19:40/30 | 05:24 19:22-19:44/22 20:27 |
| 16 | 07:16 15:03-16:22/79 16:53 | 06:49 15:30-16:11/41 17:30 | 06:07 18:02 | 06:17 18:54-19:12/18 19:34 06:35-07:28/53 | 05:39 06:33-07:12/39 20:05 19:11-19:41/30 | 05:24 19:23-19:44/21 20:27 |
| 17 | 07:16 15:04-16:23/79 16:54 | 06:47 15:31-16:08/37 17:32 | 06:05 18:03 | 06:15 18:54-19:14/20 19:35 06:34-07:29/55 | 05:38 06:35-07:10/35 20:06 19:11-19:42/31 | 05:24 19:23-19:44/21 20:27 |
| 18 | 07:15 15:03-16:23/80 16:55 | 06:46 15:35-16:05/30 17:33 | 06:03 18:04 | 06:14 18:53-19:14/21 19:36 06:32-07:28/56 | 05:37 06:36-07:08/32 20:07 19:10-19:43/33 | 05:24 19:23-19:44/21 20:28 |
| 19 | 07:15 15:04-16:24/80 16:57 | 06:45 15:39-16:02/23 17:34 | 06:02 18:05 | 06:12 18:53-19:16/23 19:37 06:31-07:29/58 | 05:36 06:37-07:07/30 20:07 19:10-19:43/33 | 05:24 19:24-19:44/20 20:28 |
| 20 | 07:14 15:04-16:24/80 16:58 | 06:43 15:44-15:55/11 17:35 | 06:00 18:06 | 06:11 18:52-19:16/24 19:38 06:29-07:28/59 | 05:35 06:39-07:05/26 20:08 19:10-19:44/34 | 05:24 19:24-19:44/20 20:28 |
| 21 | 07:14 15:04-16:24/80 16:59 | 06:42 17:36 | 05:58 18:07 | 06:09 18:52-19:17/25 19:39 06:28-07:29/61 | 05:34 06:42-07:03/21 20:09 19:11-19:46/35 | 05:25 19:25-19:45/20 20:29 |
| 22 | 07:13 15:05-16:25/80 17:00 | 06:41 17:37 | 05:57 18:08 | 06:08 18:51-19:18/27 19:40 06:26-07:28/62 | 05:33 06:44-07:00/16 20:10 19:11-19:46/35 | 05:25 19:25-19:45/20 20:29 |
| 23 | 07:13 15:06-16:25/79 17:01 | 06:39 17:39 | 05:55 18:09 | 06:06 18:52-19:19/27 19:41 06:25-07:28/63 | 05:33 06:48-06:56/8 20:11 19:11-19:47/36 | 05:25 19:25-19:45/20 20:29 |
| 24 | 07:12 15:06-16:25/79 17:02 | 06:38 17:40 | 05:54 18:10 | 06:05 18:52-19:20/28 19:42 06:24-07:28/64 | 05:32 19:12-19:48/36 20:12 | 05:25 19:24-19:45/21 20:29 |
| 25 | 07:11 15:07-16:26/79 17:04 | 06:36 17:41 | 05:52 18:11 | 06:04 18:52-19:21/29 19:43 06:22-07:27/65 | 05:31 19:12-19:48/36 20:13 | 05:26 19:25-19:46/21 20:29 |
| 26 | 07:11 15:07-16:26/79 17:05 | 06:35 17:42 | 05:50 18:12 | 06:02 18:53-19:22/29 19:44 06:22-07:27/65 | 05:31 19:12-19:47/35 20:14 | 05:26 19:25-19:46/21 20:29 |
| 27 | 07:10 15:08-16:25/77 17:06 | 06:33 17:43 | 05:49 18:13 | 06:01 18:54-19:23/29 19:46 06:22-07:27/65 | 05:30 19:12-19:48/36 20:15 | 05:26 19:25-19:46/21 20:29 |
| 28 | 07:09 15:08-16:25/77 17:07 | 06:32 17:44 | 05:47 18:14 | 05:59 18:54-19:24/30 19:47 06:21-07:26/65 | 05:29 19:12-19:47/35 20:15 | 05:27 19:25-19:47/22 20:29 |
| 29 | 07:08 15:08-16:25/77 17:08 | | 06:45 19:16 | 05:58 18:56-19:25/29 19:48 06:22-07:26/64 | 05:29 19:13-19:48/35 20:16 | 05:27 19:25-19:48/23 20:29 |
| 30 | 07:07 15:09-16:25/76 17:10 | | 06:44 19:17 | 05:57 18:57-19:25/28 19:49 06:22-07:25/63 | 05:28 19:13-19:47/34 20:17 | 05:27 19:25-19:49/24 20:29 |
| 31 | 07:06 15:10-16:25/75 17:11 | | 06:42 19:18 | | 05:28 19:14-19:47/33 20:18 | |
| Ore potenziali eliofanìa | 299 | 298 | 370 | 398 | 447 | 450 |
| Somma minuti d'ombra | 2423 | 1079 | 0 | 1883 | 1930 | 720 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A6 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (6)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre |
|--------------------------|--|---|---|-------------------------------|-------------------------------|-------------------------------|
| 1 | 05:28 19:24-19:49/25 20:29 | 05:51 06:38-07:26/48 20:11 19:22-19:47/25 | 06:21 06:42-07:26/44 19:29 19:00-19:07/7 | 06:50 18:39 | 06:24 14:48-15:49/61 16:53 | 06:58 14:43-16:02/79 16:29 |
| 2 | 05:28 19:25-19:50/25 20:29 | 05:52 06:38-07:27/49 20:10 19:23-19:46/23 | 06:22 06:43-07:24/41 19:27 19:03-19:05/2 | 06:51 18:37 | 06:25 14:47-15:50/63 16:52 | 06:59 14:44-16:02/78 16:29 |
| 3 | 05:29 19:24-19:50/26 20:29 | 05:53 06:37-07:28/51 20:09 19:23-19:45/22 | 06:23 06:44-07:23/39 19:25 | 06:52 18:36 | 06:26 14:47-15:51/64 16:51 | 07:00 14:44-16:03/79 16:29 |
| 4 | 05:29 19:24-19:51/27 20:29 | 05:54 06:36-07:29/53 20:08 19:24-19:44/20 | 06:24 06:45-07:22/37 19:24 | 06:53 18:34 | 06:27 14:45-15:52/67 16:49 | 07:01 14:45-16:03/78 16:29 |
| 5 | 05:30 19:24-19:51/27 20:29 | 05:55 06:35-07:30/55 20:06 19:25-19:43/18 | 06:25 06:46-07:20/34 19:22 | 06:54 18:32 | 06:28 14:44-15:52/68 16:48 | 07:02 14:45-16:03/78 16:28 |
| 6 | 05:31 19:24-19:52/28 20:28 | 05:56 06:35-07:31/56 20:05 19:26-19:42/16 | 06:26 06:46-07:17/31 19:20 | 06:55 18:31 | 06:30 14:43-15:53/70 16:47 | 07:03 14:46-16:03/77 16:28 |
| 7 | 05:31 19:23-19:52/29 20:28 | 05:57 19:15-19:26/11 19:27-19:41/14 20:04 06:34-07:31/57 | 06:27 06:47-07:15/28 19:19 | 06:56 18:29 | 06:31 14:43-15:54/71 16:46 | 07:04 14:46-16:03/77 16:28 |
| 8 | 05:32 19:23-19:53/30 20:28 | 05:58 19:11-19:27/16 19:28-19:40/12 20:03 06:33-07:32/59 | 06:28 06:48-07:12/24 19:17 | 06:58 18:27 | 06:32 14:43-15:55/72 16:45 | 07:05 14:47-16:03/76 16:28 |
| 9 | 05:32 19:23-19:54/31 20:28 | 05:59 19:09-19:38/29 20:02 06:33-07:33/60 | 06:29 06:49-07:09/20 19:16 | 06:59 18:26 | 06:33 14:42-15:55/73 16:44 | 07:06 14:47-16:03/76 16:28 |
| 10 | 05:33 19:23-19:54/31 20:27 | 06:00 19:08-19:30/22 19:31-19:37/6 20:00 06:31-07:32/61 | 06:30 06:50-07:06/16 19:14 | 07:00 18:24 | 06:34 14:41-15:55/74 16:43 | 07:06 14:48-16:03/75 16:28 |
| 11 | 05:34 19:23-19:54/31 20:27 | 06:01 19:07-19:31/24 19:35-19:36/1 19:59 06:31-07:33/62 | 06:31 06:51-07:00/9 19:12 | 07:01 18:23 | 06:35 14:41-15:57/76 16:42 | 07:07 14:49-16:03/74 16:28 |
| 12 | 05:34 19:23-19:55/32 20:26 | 06:02 19:06-19:32/26 19:58 06:30-07:33/63 | 06:32 19:11 | 07:02 18:21 | 06:37 14:41-15:57/76 16:41 | 07:08 14:50-16:04/74 16:28 |
| 13 | 05:35 19:22-19:55/33 20:26 | 06:03 19:05-19:33/28 19:57 06:30-07:33/63 | 06:33 19:09 | 07:03 18:20 | 06:38 14:40-15:57/77 16:40 | 07:09 14:49-16:03/74 16:29 |
| 14 | 05:36 19:22-19:56/34 20:25 | 06:04 19:03-19:32/29 19:55 06:29-07:34/65 | 06:34 19:07 | 07:04 18:18 | 06:39 14:40-15:57/77 16:39 | 07:10 14:50-16:03/73 16:29 |
| 15 | 05:37 19:22-19:56/34 20:25 | 06:05 19:02-19:31/29 19:54 06:29-07:34/65 | 06:35 19:06 | 07:05 18:17 | 06:40 14:41-15:58/77 16:38 | 07:10 14:51-16:04/73 16:29 |
| 16 | 05:37 19:22-19:57/35 20:24 | 06:06 19:01-19:30/29 19:52 06:29-07:34/65 | 06:36 19:04 | 07:06 18:15 | 06:41 14:40-15:58/78 16:38 | 07:11 14:51-16:03/72 16:29 |
| 17 | 05:38 19:21-19:57/36 20:24 | 06:07 19:00-19:29/29 19:51 06:28-07:34/66 | 06:37 19:02 | 07:07 18:14 | 06:42 14:40-15:59/79 16:37 | 07:12 14:52-16:04/72 16:30 |
| 18 | 05:39 19:21-19:57/36 20:23 | 06:08 18:59-19:27/28 19:50 06:29-07:34/65 | 06:38 19:01 | 07:08 18:12 | 06:44 14:40-15:59/79 16:36 | 07:12 14:53-16:05/72 16:30 |
| 19 | 05:40 19:21-19:58/37 20:22 | 06:09 18:58-19:26/28 19:48 06:30-07:34/64 | 06:39 18:59 | 07:09 18:11 | 06:45 14:40-15:59/79 16:35 | 07:13 14:52-16:04/72 16:30 |
| 20 | 05:41 19:21-19:57/36 20:22 | 06:10 18:58-19:25/27 19:47 06:31-07:34/63 | 06:40 18:57 | 07:10 18:09 | 06:46 14:40-16:00/80 16:35 | 07:14 14:53-16:05/72 16:31 |
| 21 | 05:41 06:56-07:09/13 20:21 19:21-19:57/36 | 06:11 18:57-19:23/26 19:45 06:32-07:34/62 | 06:41 18:56 | 07:11 18:08 | 06:47 14:40-16:00/80 16:34 | 07:14 14:53-16:05/72 16:31 |
| 22 | 05:42 06:52-07:11/19 20:20 19:20-19:55/35 | 06:12 18:57-19:22/25 19:44 06:33-07:33/60 | 06:42 18:54 | 07:12 16:13-16:28/15 18:06 | 06:48 14:40-16:00/80 16:33 | 07:15 14:54-16:06/72 16:32 |
| 23 | 05:43 06:50-07:14/24 20:19 19:21-19:55/34 | 06:13 18:56-19:20/24 19:42 06:34-07:33/59 | 06:42 18:52 | 07:14 16:07-16:33/26 18:05 | 06:49 14:40-16:00/80 16:33 | 07:15 14:54-16:06/72 16:32 |
| 24 | 05:44 06:49-07:16/27 20:18 19:21-19:54/33 | 06:13 18:55-19:18/23 19:41 06:34-07:32/58 | 06:43 18:50 | 07:15 16:04-16:36/32 18:03 | 06:50 14:40-16:00/80 16:32 | 07:16 14:55-16:07/72 16:33 |
| 25 | 05:45 06:47-07:18/31 20:18 19:21-19:54/33 | 06:14 18:55-19:17/22 19:39 06:35-07:31/56 | 06:44 18:49 | 07:16 15:01-15:39/38 17:02 | 06:52 14:42-16:01/79 16:32 | 07:16 14:56-16:08/72 16:33 |
| 26 | 05:46 06:46-07:20/34 20:17 19:21-19:53/32 | 06:15 18:56-19:15/19 19:38 06:36-07:31/55 | 06:45 18:47 | 07:17 14:59-15:41/42 17:01 | 06:53 14:42-16:02/80 16:31 | 07:17 14:56-16:08/72 16:34 |
| 27 | 05:47 06:45-07:21/36 20:16 19:21-19:52/31 | 06:16 18:56-19:14/18 19:36 06:37-07:30/53 | 06:46 18:45 | 07:18 14:56-15:43/47 16:59 | 06:54 14:42-16:02/80 16:31 | 07:17 14:57-16:09/72 16:35 |
| 28 | 05:48 06:43-07:23/40 20:15 19:22-19:52/30 | 06:17 18:56-19:13/17 19:35 06:38-07:29/51 | 06:47 18:44 | 07:19 14:54-15:44/50 16:58 | 06:55 14:42-16:02/80 16:30 | 07:17 14:57-16:10/73 16:35 |
| 29 | 05:48 06:41-07:23/42 20:14 19:21-19:50/29 | 06:18 18:57-19:11/14 19:33 06:39-07:29/50 | 06:48 18:42 | 07:20 14:52-15:45/53 16:57 | 06:56 14:42-16:02/80 16:30 | 07:18 14:57-16:10/73 16:36 |
| 30 | 05:49 06:40-07:24/44 20:13 19:21-19:49/28 | 06:19 06:40-07:28/48 19:32 18:58-19:10/12 | 06:49 18:40 | 07:21 14:51-15:47/56 16:55 | 06:57 14:43-16:02/79 16:30 | 07:18 14:57-16:11/74 16:37 |
| 31 | 05:50 06:39-07:25/46 20:12 19:22-19:48/26 | 06:20 06:41-07:27/46 19:30 18:59-19:08/9 | | 06:23 14:50-15:48/58 16:54 | | 07:18 14:57-16:11/74 16:37 |
| Ore potenziali eliofania | 457 | 427 | 375 | 346 | 299 | 290 |
| Somma minuti d'ombra | 1326 | 2509 | 332 | 417 | 2259 | 2299 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm)nizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A7 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (7)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre |
|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1 | 07:18 16:38 | 07:05 17:12 | 06:30 17:45 | 06:40 19:19 | 05:55 19:50 | 05:27 20:18 | 05:28 20:29 | 05:51 20:11 | 06:21 19:28 | 06:50 18:39 | 06:24 16:53 | 06:58 16:29 |
| 2 | 07:18 16:39 | 07:04 17:13 | 06:29 17:47 | 06:39 19:20 | 05:54 19:51 | 05:27 20:19 | 05:28 20:29 | 05:52 20:10 | 06:22 19:27 | 06:51 18:37 | 06:25 16:52 | 06:59 16:29 |
| 3 | 07:18 16:40 | 07:03 17:15 | 06:27 17:48 | 06:37 19:21 | 05:53 19:52 | 05:26 20:20 | 05:29 20:29 | 05:53 20:09 | 06:23 19:25 | 06:52 18:35 | 06:26 16:51 | 07:00 16:29 |
| 4 | 07:18 16:41 | 07:02 17:16 | 06:26 17:49 | 06:35 19:22 | 05:52 19:53 | 05:26 20:21 | 05:29 20:29 | 05:54 20:07 | 06:24 19:24 | 06:53 18:34 | 06:27 16:49 | 07:01 16:29 |
| 5 | 07:18 16:42 | 07:01 17:17 | 06:24 17:50 | 06:34 19:23 | 05:50 19:54 | 05:26 20:21 | 05:30 20:29 | 05:55 20:06 | 06:25 19:22 | 06:54 18:32 | 06:28 16:48 | 07:02 16:28 |
| 6 | 07:18 16:43 | 07:00 17:18 | 06:23 17:51 | 06:32 19:24 | 05:49 19:55 | 05:25 20:22 | 05:30 20:28 | 05:56 20:05 | 06:26 19:20 | 06:55 18:31 | 06:29 16:47 | 07:03 16:28 |
| 7 | 07:18 16:44 | 06:59 17:19 | 06:21 17:52 | 06:31 19:25 | 05:48 19:56 | 05:25 20:22 | 05:31 20:28 | 05:57 20:04 | 06:27 19:19 | 06:56 18:29 | 06:31 16:46 | 07:04 16:28 |
| 8 | 07:18 16:45 | 06:58 17:21 | 06:19 17:53 | 06:29 19:26 | 05:47 19:57 | 05:25 20:23 | 05:32 20:28 | 05:58 20:03 | 06:28 19:17 | 06:57 18:27 | 06:32 16:45 | 07:05 16:28 |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | 06:27 19:27 | 05:46 19:58 | 05:25 20:24 | 05:32 20:27 | 05:59 20:02 | 06:29 19:15 | 06:58 18:26 | 06:33 16:44 | 07:06 16:28 |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | 06:26 19:28 | 05:45 19:59 | 05:24 20:24 | 05:33 20:27 | 06:00 20:00 | 06:30 19:14 | 07:00 18:24 | 06:34 16:43 | 07:06 16:28 |
| 11 | 07:18 16:48 | 06:55 17:24 | 06:15 17:56 | 06:24 19:29 | 05:44 20:00 | 05:24 20:25 | 05:34 20:27 | 06:01 19:59 | 06:31 19:12 | 07:01 18:23 | 06:35 16:42 | 07:07 16:28 |
| 12 | 07:18 16:49 | 06:54 17:25 | 06:13 17:58 | 06:23 19:30 | 05:43 20:01 | 05:24 20:25 | 05:34 20:26 | 06:02 19:58 | 06:32 19:11 | 07:02 18:21 | 06:36 16:41 | 07:08 16:28 |
| 13 | 07:17 16:50 | 06:52 17:27 | 06:11 17:59 | 06:21 19:31 | 05:42 20:02 | 05:24 20:26 | 05:35 20:26 | 06:03 19:56 | 06:33 19:09 | 07:03 18:20 | 06:38 16:40 | 07:09 16:29 |
| 14 | 07:17 16:51 | 06:51 17:28 | 06:10 18:00 | 06:20 19:32 | 05:40 20:03 | 05:24 20:26 | 05:36 20:25 | 06:04 19:55 | 06:34 19:07 | 07:04 18:18 | 06:39 16:39 | 07:10 16:29 |
| 15 | 07:17 16:52 | 06:50 17:29 | 06:08 18:01 | 06:18 19:33 | 05:40 20:04 | 05:24 20:27 | 05:37 20:25 | 06:05 19:54 | 06:35 19:06 | 07:05 18:16 | 06:40 16:38 | 07:10 16:29 |
| 16 | 07:16 16:53 | 06:49 17:30 | 06:07 18:02 | 06:17 19:34 | 05:39 20:05 | 05:24 20:27 | 05:37 20:24 | 06:06 19:52 | 06:36 19:04 | 07:06 18:15 | 06:41 16:38 | 07:11 16:29 |
| 17 | 07:16 16:54 | 06:47 17:31 | 06:05 18:03 | 06:15 19:35 | 05:38 20:06 | 05:24 20:27 | 05:38 20:23 | 06:07 19:51 | 06:37 19:02 | 07:07 18:13 | 06:42 16:37 | 07:12 16:30 |
| 18 | 07:15 16:55 | 06:46 17:33 | 06:03 18:04 | 06:14 19:36 | 05:37 20:06 | 05:24 20:28 | 05:39 20:23 | 06:08 19:50 | 06:38 19:00 | 07:08 18:12 | 06:43 16:36 | 07:12 16:30 |
| 19 | 07:15 16:57 | 06:45 17:34 | 06:02 18:05 | 06:12 19:37 | 05:36 20:07 | 05:24 20:28 | 05:40 20:22 | 06:09 19:48 | 06:39 18:59 | 07:09 18:10 | 06:45 16:35 | 07:13 16:30 |
| 20 | 07:14 16:58 | 06:43 17:35 | 06:00 18:06 | 06:11 19:38 | 05:35 20:08 | 05:24 20:28 | 05:41 20:21 | 06:10 19:47 | 06:39 18:57 | 07:10 18:09 | 06:46 16:35 | 07:14 16:31 |
| 21 | 07:14 16:59 | 06:42 17:36 | 05:58 18:07 | 06:09 19:39 | 05:34 20:09 | 05:25 20:28 | 05:41 20:21 | 06:11 19:45 | 06:40 18:55 | 07:11 18:08 | 06:47 16:34 | 07:14 16:31 |
| 22 | 07:13 17:00 | 06:40 17:37 | 05:57 18:08 | 06:08 19:40 | 05:33 20:10 | 05:25 20:29 | 05:42 20:20 | 06:11 19:44 | 06:41 18:54 | 07:12 18:06 | 06:48 16:33 | 07:15 16:32 |
| 23 | 07:13 17:01 | 06:39 17:38 | 05:55 18:09 | 06:06 19:41 | 05:33 20:11 | 05:25 20:29 | 05:43 20:19 | 06:12 19:42 | 06:42 18:52 | 07:13 18:05 | 06:49 16:33 | 07:15 16:32 |
| 24 | 07:12 17:02 | 06:38 17:40 | 05:53 18:10 | 06:05 19:42 | 05:32 20:12 | 05:25 20:29 | 05:44 20:18 | 06:13 19:41 | 06:43 18:50 | 07:15 18:03 | 06:50 16:32 | 07:16 16:33 |
| 25 | 07:11 17:04 | 06:36 17:41 | 05:52 18:11 | 06:03 19:43 | 05:31 20:13 | 05:25 20:29 | 05:45 20:17 | 06:14 19:39 | 06:44 18:49 | 07:16 17:02 | 06:51 16:32 | 07:16 16:33 |
| 26 | 07:10 17:05 | 06:35 17:42 | 05:50 18:12 | 06:02 19:44 | 05:31 20:14 | 05:26 20:29 | 05:46 20:17 | 06:15 19:38 | 06:45 18:47 | 07:17 17:01 | 06:53 16:31 | 07:16 16:34 |
| 27 | 07:10 17:06 | 06:33 17:43 | 05:49 18:13 | 06:01 19:45 | 05:30 20:14 | 05:26 20:29 | 05:47 20:16 | 06:16 19:36 | 06:46 18:45 | 07:18 16:59 | 06:54 16:31 | 07:17 16:34 |
| 28 | 07:09 17:07 | 06:32 17:44 | 05:47 18:14 | 05:59 19:46 | 05:29 20:15 | 05:27 20:29 | 05:48 20:15 | 06:17 19:35 | 06:47 18:44 | 07:19 16:58 | 06:55 16:30 | 07:17 16:35 |
| 29 | 07:08 17:08 | | 06:45 19:15 | 05:58 19:47 | 05:29 20:16 | 05:27 20:29 | 05:48 20:14 | 06:18 19:33 | 06:48 18:42 | 07:20 16:57 | 06:56 16:30 | 07:17 16:36 |
| 30 | 07:07 17:10 | | 06:44 19:16 | 05:57 19:49 | 05:28 20:17 | 05:27 20:29 | 05:49 20:13 | 06:19 19:32 | 06:49 18:40 | 07:21 16:55 | 06:57 16:30 | 07:18 16:37 |
| 31 | 07:06 17:11 | | 06:42 19:17 | | 05:28 20:18 | | 05:50 20:12 | 06:20 19:30 | | 06:23 16:54 | | 07:18 16:37 |
| Ore potenziali eliofanìa | 299 | 298 | 370 | 398 | 447 | 450 | 457 | 427 | 375 | 346 | 299 | 290 |
| Somma minuti d'ombra | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A8 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (8)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il di, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre | |
|--------------------------|----------------|----------------|----------------|----------------|----------------|-------------------------|-------------------------|----------------|-------------------------|----------------|-------------------------|----------------|----------------|
| 1 | 07:18 16:38 | 07:05 17:12 | 06:30 17:45 | 06:40 19:18 | 05:55 19:49 | 05:27 20:18 | 19:13-19:42/29 20:29 | 05:28 20:11 | 19:26-19:46/20 20:29 | 05:51 20:11 | 19:15-19:41/26 19:28 | 06:21 18:39 | 06:50 16:53 |
| 2 | 07:18 16:39 | 07:04 17:13 | 06:29 17:46 | 06:39 19:20 | 05:54 19:51 | 05:27 20:19 | 19:15-19:42/27 20:29 | 05:28 20:10 | 19:27-19:47/20 20:29 | 05:52 20:10 | 19:15-19:41/26 19:27 | 06:22 18:37 | 06:51 16:52 |
| 3 | 07:18 16:40 | 07:03 17:14 | 06:27 17:48 | 06:37 19:21 | 05:53 19:52 | 05:26 20:20 | 19:17-19:43/26 20:29 | 05:29 20:09 | 19:26-19:47/21 20:29 | 05:53 20:09 | 19:16-19:40/24 19:25 | 06:23 18:35 | 06:52 16:51 |
| 4 | 07:18 16:41 | 07:02 17:16 | 06:26 17:49 | 06:35 19:22 | 05:52 19:53 | 19:14-19:23/9 20:20 | 05:26 20:29 | 05:29 20:07 | 19:27-19:48/21 20:29 | 05:54 20:07 | 19:17-19:40/23 19:24 | 06:24 18:34 | 06:53 16:49 |
| 5 | 07:18 16:42 | 07:01 17:17 | 06:24 17:50 | 06:34 19:23 | 05:50 19:54 | 19:11-19:26/15 20:21 | 05:26 20:29 | 05:30 20:06 | 19:19-19:42/23 20:29 | 05:55 20:06 | 19:17-19:39/22 19:22 | 06:25 18:32 | 06:54 16:48 |
| 6 | 07:18 16:43 | 07:00 17:18 | 06:23 17:51 | 06:32 19:24 | 05:49 19:55 | 19:10-19:27/17 20:22 | 05:25 20:28 | 05:30 20:05 | 19:26-19:48/22 20:28 | 05:56 20:05 | 19:19-19:38/19 19:20 | 06:26 18:31 | 06:55 16:47 |
| 7 | 07:18 16:44 | 06:59 17:19 | 06:21 17:52 | 06:31 19:25 | 05:48 19:56 | 19:08-19:28/20 20:22 | 05:25 20:28 | 05:31 20:04 | 19:26-19:48/22 20:28 | 05:57 20:04 | 19:19-19:36/17 19:19 | 06:27 18:29 | 06:56 16:46 |
| 8 | 07:18 16:45 | 06:58 17:21 | 06:19 17:53 | 06:29 19:26 | 05:47 19:57 | 19:07-19:29/22 20:23 | 05:25 20:28 | 05:32 20:03 | 19:26-19:49/23 20:28 | 05:58 20:03 | 19:21-19:34/13 19:17 | 06:28 18:27 | 06:57 16:45 |
| 9 | 07:18 16:46 | 06:57 17:22 | 06:18 17:54 | 06:27 19:27 | 05:46 19:58 | 19:06-19:29/23 20:24 | 05:25 20:27 | 05:32 20:02 | 19:26-19:50/24 20:27 | 05:59 20:02 | 19:24-19:31/7 19:15 | 06:29 18:26 | 06:58 16:44 |
| 10 | 07:18 16:47 | 06:56 17:23 | 06:16 17:55 | 06:26 19:28 | 05:45 19:59 | 19:05-19:30/25 20:24 | 05:24 20:27 | 05:33 20:00 | 19:23-19:50/27 20:27 | 06:00 20:00 | 06:30 19:14 | 06:59 18:24 | 06:34 16:43 |
| 11 | 07:18 16:48 | 06:55 17:24 | 06:15 17:56 | 06:24 19:29 | 05:44 20:00 | 19:05-19:31/26 20:25 | 05:24 20:27 | 05:34 20:01 | 19:22-19:42/20 20:27 | 06:01 19:59 | 06:31 19:12 | 07:01 18:23 | 07:01 16:42 |
| 12 | 07:18 16:49 | 06:53 17:25 | 06:13 17:57 | 06:23 19:30 | 05:43 20:01 | 19:04-19:31/27 20:25 | 05:24 20:26 | 05:34 19:58 | 19:23-19:42/19 20:26 | 06:02 19:58 | 06:32 19:10 | 07:02 18:21 | 06:36 16:41 |
| 13 | 07:17 16:50 | 06:52 17:27 | 06:11 17:59 | 06:21 19:31 | 05:41 20:02 | 19:04-19:33/29 20:26 | 05:24 20:26 | 05:35 19:56 | 19:23-19:42/19 20:26 | 06:03 19:56 | 06:33 19:09 | 07:03 18:19 | 06:38 16:40 |
| 14 | 07:17 16:51 | 06:51 17:28 | 06:10 18:00 | 06:20 19:32 | 05:40 20:03 | 19:04-19:35/31 20:26 | 05:24 20:25 | 05:36 19:55 | 19:23-19:42/19 20:25 | 06:04 19:55 | 06:34 19:07 | 07:04 18:18 | 06:39 16:39 |
| 15 | 07:17 16:52 | 06:50 17:29 | 06:08 18:01 | 06:18 19:33 | 05:39 20:04 | 19:03-19:36/33 20:27 | 05:24 20:25 | 05:37 19:54 | 19:24-19:42/18 20:25 | 06:05 19:54 | 06:35 19:05 | 07:05 18:16 | 06:40 16:38 |
| 16 | 07:16 16:53 | 06:48 17:30 | 06:07 18:02 | 06:17 19:34 | 05:39 20:05 | 19:04-19:38/34 20:27 | 05:24 20:24 | 05:37 19:52 | 19:24-19:42/18 20:24 | 06:06 19:52 | 06:36 19:04 | 07:06 18:15 | 06:41 16:38 |
| 17 | 07:16 16:54 | 06:47 17:31 | 06:05 18:03 | 06:15 19:35 | 05:38 20:05 | 19:04-19:39/35 20:27 | 05:24 20:23 | 05:38 19:51 | 19:24-19:42/18 20:23 | 06:07 19:51 | 06:37 19:02 | 07:07 18:13 | 06:42 16:37 |
| 18 | 07:15 16:55 | 06:46 17:33 | 06:03 18:04 | 06:14 19:36 | 05:37 20:06 | 19:04-19:39/35 20:28 | 05:24 20:23 | 05:39 19:50 | 19:25-19:42/17 20:23 | 06:08 19:50 | 06:38 19:00 | 07:08 18:12 | 06:43 16:36 |
| 19 | 07:15 16:57 | 06:45 17:34 | 06:02 18:05 | 06:12 19:37 | 05:36 20:07 | 19:04-19:40/36 20:28 | 05:24 20:22 | 05:40 19:48 | 19:25-19:42/17 20:22 | 06:09 19:48 | 06:38 18:59 | 07:09 18:10 | 06:45 16:35 |
| 20 | 07:14 16:58 | 06:43 17:35 | 06:00 18:06 | 06:11 19:38 | 05:35 20:08 | 19:04-19:40/36 20:28 | 05:24 20:21 | 05:41 19:47 | 19:25-19:42/17 20:21 | 06:10 19:47 | 06:39 18:57 | 07:10 18:09 | 06:46 16:35 |
| 21 | 07:14 16:59 | 06:42 17:36 | 05:58 18:07 | 06:09 19:39 | 05:34 20:09 | 19:05-19:41/36 20:28 | 05:25 20:21 | 05:41 19:45 | 19:26-19:43/17 20:21 | 06:10 19:45 | 06:40 18:55 | 07:11 18:08 | 06:47 16:34 |
| 22 | 07:13 17:00 | 06:40 17:37 | 05:57 18:08 | 06:08 19:40 | 05:33 20:10 | 19:05-19:41/36 20:29 | 05:25 20:20 | 05:42 19:44 | 19:26-19:43/17 20:20 | 06:11 19:44 | 06:41 18:54 | 07:12 18:06 | 06:48 16:33 |
| 23 | 07:12 17:01 | 06:39 17:38 | 05:55 18:09 | 06:06 19:41 | 05:33 20:11 | 19:06-19:41/35 20:29 | 05:25 20:19 | 05:43 19:42 | 19:26-19:43/17 20:19 | 06:12 19:42 | 06:42 18:52 | 07:13 18:05 | 06:49 16:33 |
| 24 | 07:12 17:02 | 06:38 17:40 | 05:53 18:10 | 06:05 19:42 | 05:32 20:12 | 19:06-19:41/35 20:29 | 05:25 20:18 | 05:44 19:41 | 19:26-19:43/17 20:18 | 06:13 19:41 | 06:43 18:50 | 07:15 18:03 | 06:50 16:32 |
| 25 | 07:11 17:04 | 06:36 17:41 | 05:52 18:11 | 06:03 19:43 | 05:31 20:13 | 19:07-19:42/35 20:29 | 05:25 20:17 | 05:45 19:39 | 19:27-19:44/17 20:17 | 06:14 19:39 | 06:44 18:49 | 07:16 18:02 | 06:51 16:32 |
| 26 | 07:10 17:05 | 06:35 17:42 | 05:50 18:12 | 06:02 19:44 | 05:31 20:14 | 19:07-19:42/35 20:29 | 05:26 20:17 | 05:46 19:38 | 19:26-19:44/18 20:17 | 06:15 19:38 | 06:45 18:47 | 07:17 18:01 | 06:52 16:31 |
| 27 | 07:10 17:06 | 06:33 17:43 | 05:49 18:13 | 06:01 19:45 | 05:30 20:14 | 19:09-19:43/34 20:29 | 05:26 20:16 | 05:47 19:36 | 19:26-19:44/18 20:16 | 06:16 19:36 | 06:46 18:45 | 07:18 18:00 | 06:54 16:30 |
| 28 | 07:09 17:07 | 06:32 17:44 | 05:47 18:14 | 05:59 19:46 | 05:29 20:15 | 19:09-19:42/33 20:29 | 05:27 20:15 | 05:48 19:35 | 19:27-19:45/18 20:15 | 06:17 19:35 | 06:47 18:44 | 07:19 18:00 | 06:55 16:30 |
| 29 | 07:08 17:08 | 06:31 17:45 | 05:46 18:15 | 05:58 19:47 | 05:28 20:16 | 19:10-19:43/33 20:29 | 05:27 20:14 | 05:48 19:34 | 19:26-19:45/19 20:14 | 06:18 19:33 | 06:48 18:42 | 07:20 18:00 | 06:56 16:30 |
| 30 | 07:07 17:10 | 06:30 17:46 | 05:45 18:16 | 05:57 19:48 | 05:27 20:17 | 19:11-19:42/31 20:29 | 05:27 20:13 | 05:49 19:32 | 19:27-19:46/19 20:13 | 06:19 19:32 | 06:49 18:40 | 07:21 18:00 | 06:57 16:30 |
| 31 | 07:06 17:11 | 06:29 17:47 | 05:44 18:17 | 05:56 19:49 | 05:26 20:18 | 19:12-19:43/31 20:29 | 05:27 20:12 | 05:50 19:30 | 19:28-19:47/20 20:12 | 06:20 19:30 | 06:50 18:40 | 07:22 18:00 | 06:58 16:30 |
| Ore potenziali eliofanía | 299 | 298 | 370 | 398 | 447 | 450 | 457 | 427 | 375 | 346 | 299 | 290 | |
| Somma minuti d'ombra | 0 | 0 | 0 | 0 | 827 | 595 | 920 | 177 | 0 | 0 | 0 | 0 | |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A9 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (9)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Gennaio | Febbraio | Marzo | Aprile | Maggio | Giugno |
|--------------------------|---|---|--|-------------------------------|----------------|----------------|
| 1 | 07:18 13:12-14:28/76 16:38 07:45-08:43/58 | 07:05 13:31-14:34/63 14:38-15:32/54 17:12 07:44-09:04/80 | 06:30 08:07-08:36/29 17:45 14:32-15:42/70 | 06:40 17:53-18:29/36 19:18 | 05:55 19:49 | 05:27 20:18 |
| 2 | 07:18 13:13-14:29/76 16:39 07:45-08:44/59 | 07:04 13:32-14:34/62 14:37-15:33/56 17:13 07:45-09:04/79 | 06:29 08:10-08:31/21 17:46 14:33-15:41/68 | 06:39 17:52-18:29/37 19:19 | 05:54 19:50 | 05:27 20:19 |
| 3 | 07:18 13:13-14:29/76 16:40 07:45-08:44/59 | 07:03 13:34-14:33/59 14:36-15:34/58 17:14 07:45-09:04/79 | 06:27 14:34-15:41/67 17:48 | 06:37 17:51-18:28/37 19:21 | 05:53 19:51 | 05:26 20:20 |
| 4 | 07:18 13:13-14:30/77 16:41 07:46-08:45/59 | 07:02 13:35-14:33/58 14:35-15:36/61 17:16 07:45-09:04/79 | 06:26 14:34-15:40/66 17:49 | 06:35 17:51-18:29/38 19:22 | 05:52 19:53 | 05:26 20:20 |
| 5 | 07:18 13:14-14:30/76 16:42 07:46-08:46/60 | 07:01 13:37-14:32/55 14:34-15:37/63 17:17 07:45-09:04/79 | 06:24 14:36-15:40/64 17:50 | 06:34 17:50-18:28/38 19:23 | 05:50 19:54 | 05:26 20:21 |
| 6 | 07:18 13:14-14:31/77 16:43 07:46-08:47/61 | 07:00 13:39-14:31/52 14:34-15:38/64 17:18 07:45-09:04/79 | 06:22 14:37-15:38/61 17:51 | 06:32 17:50-18:28/38 19:24 | 05:49 19:55 | 05:25 20:22 |
| 7 | 07:18 13:15-14:32/77 16:44 07:46-08:48/62 | 06:59 13:41-14:30/49 14:33-15:39/66 17:19 07:46-09:04/78 | 06:21 14:39-15:38/59 17:52 | 06:31 17:50-18:28/38 19:25 | 05:48 19:56 | 05:25 20:22 |
| 8 | 07:18 13:15-14:32/77 16:45 07:46-08:49/63 | 06:58 13:43-14:29/46 14:33-15:40/67 17:21 07:46-09:04/78 | 06:19 17:14-17:24/10 17:53 14:40-15:36/56 | 06:29 17:50-18:27/37 19:26 | 05:47 19:57 | 05:25 20:23 |
| 9 | 07:18 13:16-14:33/77 16:46 07:46-08:50/64 | 06:57 13:45-14:26/41 14:31-15:40/69 17:22 07:46-09:03/77 | 06:18 17:11-17:25/14 17:54 14:41-15:34/53 | 06:27 17:50-18:27/37 19:27 | 05:46 19:58 | 05:25 20:24 |
| 10 | 07:18 13:16-14:33/77 16:47 07:46-08:50/65 | 06:56 13:48-14:24/36 14:31-15:41/70 17:23 07:46-09:03/77 | 06:16 17:10-17:27/17 17:55 14:43-15:33/50 | 06:26 17:50-18:26/36 19:28 | 05:45 19:59 | 05:24 20:24 |
| 11 | 07:18 13:16-14:33/77 16:48 07:46-08:51/65 | 06:55 13:52-14:22/30 14:31-15:42/71 17:24 07:47-09:03/76 | 06:15 17:08-17:28/20 17:56 14:45-15:31/46 | 06:24 17:51-18:26/35 19:29 | 05:44 20:00 | 05:24 20:25 |
| 12 | 07:17 13:17-14:34/77 16:49 07:46-08:53/67 | 06:53 13:56-14:19/23 14:31-15:43/72 17:25 07:47-09:03/76 | 06:13 17:07-17:28/21 17:57 14:46-15:29/43 | 06:23 17:51-18:24/33 19:30 | 05:42 20:01 | 05:24 20:25 |
| 13 | 07:17 13:17-14:34/77 16:50 07:45-08:53/68 | 06:52 14:03-14:11/8 14:29-15:42/73 17:27 07:47-09:01/74 | 06:11 17:07-17:29/22 17:59 14:49-15:27/38 | 06:21 17:52-18:22/30 19:31 | 05:41 20:02 | 05:24 20:26 |
| 14 | 07:17 13:18-14:35/77 16:51 07:45-08:54/69 | 06:51 07:48-09:01/73 17:28 14:29-15:43/74 | 06:10 17:06-17:28/22 18:00 14:52-15:24/32 | 06:20 17:53-18:22/29 19:32 | 05:40 20:03 | 05:24 20:26 |
| 15 | 07:17 13:19-14:35/76 16:52 07:46-08:55/69 | 06:50 07:49-09:01/72 17:29 14:29-15:44/75 | 06:08 17:07-17:29/22 18:01 14:56-15:22/26 | 06:18 17:54-18:19/25 19:33 | 05:39 20:03 | 05:24 20:26 |
| 16 | 07:16 13:19-14:35/76 16:53 07:45-08:56/71 | 06:48 07:50-09:00/70 17:30 14:30-15:44/74 | 06:07 17:06-17:28/22 18:02 15:01-15:17/16 | 06:17 17:56-18:18/22 19:34 | 05:39 20:04 | 05:24 20:27 |
| 17 | 07:16 13:20-14:36/76 16:54 07:45-08:57/72 | 06:47 07:50-08:58/68 17:31 14:29-15:44/75 | 06:05 17:06-17:26/20 18:03 | 06:15 17:57-18:15/18 19:35 | 05:38 20:05 | 05:24 20:27 |
| 18 | 07:15 13:20-14:36/76 16:55 07:45-08:57/72 | 06:46 07:51-08:58/67 17:33 14:29-15:45/76 | 06:03 17:07-17:26/19 18:04 | 06:14 18:01-18:12/11 19:36 | 05:37 20:06 | 05:24 20:28 |
| 19 | 07:15 13:20-14:36/76 16:56 07:44-08:57/73 | 06:44 07:52-08:57/65 17:34 14:28-15:44/76 | 06:02 17:08-17:24/16 18:05 | 06:12 19:37 | 05:36 20:07 | 05:24 20:28 |
| 20 | 07:14 13:21-14:36/75 16:58 07:45-08:59/74 | 06:43 07:52-08:55/63 17:35 14:29-15:45/76 | 06:00 17:09-17:22/13 18:06 | 06:11 19:38 | 05:35 20:08 | 05:24 20:28 |
| 21 | 07:14 13:21-14:36/75 16:59 07:44-08:59/75 | 06:42 07:53-08:54/61 17:36 14:29-15:45/76 | 05:58 17:13-17:19/6 18:07 | 06:09 19:39 | 05:34 20:09 | 05:24 20:28 |
| 22 | 07:13 13:22-14:36/74 17:00 07:45-09:00/75 | 06:40 07:54-08:52/58 17:37 14:29-15:44/75 | 05:57 18:08 | 06:08 19:40 | 05:33 20:10 | 05:25 20:29 |
| 23 | 07:12 13:23-14:37/74 14:55-15:11/16 17:01 07:45-09:01/76 | 06:39 07:56-08:51/55 17:38 14:30-15:45/75 | 05:55 18:09 | 06:06 19:41 | 05:33 20:11 | 05:25 20:29 |
| 24 | 07:12 13:23-14:36/73 14:51-15:15/24 17:02 07:44-09:01/77 | 06:37 07:56-08:49/53 17:40 14:29-15:44/75 | 05:53 18:10 | 06:05 19:42 | 05:32 20:12 | 05:25 20:29 |
| 25 | 07:11 13:24-14:36/72 14:48-15:18/30 17:04 07:44-09:01/77 | 06:36 07:58-08:47/49 17:41 14:30-15:44/74 | 05:52 17:06-17:19/13 18:11 | 06:03 19:43 | 05:31 20:13 | 05:25 20:29 |
| 26 | 07:10 13:24-14:36/72 14:46-15:20/34 17:05 07:45-09:03/78 | 06:35 07:59-08:44/45 17:42 14:30-15:43/73 | 05:50 17:02-17:22/20 18:12 | 06:02 19:44 | 05:31 20:13 | 05:26 20:29 |
| 27 | 07:10 13:26-14:37/71 14:45-15:23/38 17:06 07:45-09:03/78 | 06:33 08:02-08:42/40 17:43 14:31-15:43/72 | 05:48 17:00-17:24/24 18:13 | 06:01 19:45 | 05:30 20:14 | 05:26 20:29 |
| 28 | 07:09 13:27-14:36/69 14:43-15:25/42 17:07 07:45-09:03/78 | 06:32 08:04-08:39/35 17:44 14:31-15:42/71 | 05:47 16:58-17:25/27 18:14 | 05:59 19:46 | 05:29 20:15 | 05:26 20:29 |
| 29 | 07:08 13:28-14:36/68 14:42-15:27/45 17:08 07:44-09:03/79 | 06:31 08:05-08:38/34 17:45 14:31-15:41/70 | 05:46 17:56-18:26/30 19:15 | 05:58 19:47 | 05:29 20:16 | 05:27 20:29 |
| 30 | 07:07 13:29-14:35/66 14:40-15:29/49 17:10 07:44-09:04/80 | 06:30 08:06-08:37/33 17:46 14:31-15:40/69 | 05:44 17:55-18:27/32 19:16 | 05:57 19:48 | 05:28 20:17 | 05:27 20:29 |
| 31 | 07:06 13:30-14:35/65 14:39-15:30/51 17:11 07:44-09:04/80 | 06:29 08:07-08:38/32 17:47 14:31-15:39/68 | 05:42 17:54-18:28/34 19:17 | 05:56 19:49 | 05:28 20:17 | 05:28 20:29 |
| Ore potenziali eliofanía | 299 | 298 | 370 | 398 | 447 | 450 |
| Somma minuti d'ombra | 4800 | 4428 | 1289 | 575 | 0 | 0 |

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: SHADOW FLIKER FERRANDINAWTG: A9 - Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0 m) (9)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:
Il sole splende tutto il di, dall'alba al tramonto
Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole
La turbina è costantemente operativa

| | Luglio | Agosto | Settembre | Ottobre | Novembre | Dicembre |
|--------------------------|----------------|-------------------------------|--|---|---|--|
| 1 | 05:28 20:29 | 05:51 20:11 | 06:21 17:50-18:25/35 19:28 | 06:50 17:46-18:08/22 18:39 15:27-16:08/41 | 06:24 13:17-13:54/37 14:01-15:11/70 16:53 07:16-08:33/77 | 06:58 12:59-14:15/76 16:29 07:28-08:33/65 |
| 2 | 05:28 20:29 | 05:52 20:10 | 06:22 17:49-18:25/36 19:27 | 06:51 17:47-18:07/20 18:37 15:24-16:09/45 | 06:25 13:14-13:56/42 14:01-15:10/69 16:52 07:15-08:33/78 | 06:59 12:59-14:16/77 16:29 07:28-08:33/65 |
| 3 | 05:29 20:29 | 05:53 20:08 | 06:23 17:47-18:24/37 19:25 | 06:52 17:47-18:05/18 18:35 15:22-16:10/48 | 06:26 13:12-13:58/46 14:02-15:09/67 16:51 07:15-08:33/78 | 07:00 12:59-14:16/77 16:29 07:29-08:33/64 |
| 4 | 05:29 20:29 | 05:54 20:07 | 06:24 17:47-18:24/37 19:24 | 06:53 17:48-18:04/16 18:34 15:19-16:11/52 | 06:27 13:10-14:00/50 14:03-15:09/66 16:49 07:16-08:34/78 | 07:01 13:00-14:16/76 16:29 07:30-08:33/63 |
| 5 | 05:30 20:28 | 05:55 20:06 | 06:25 17:46-18:24/38 19:22 | 06:54 17:50-18:02/12 18:32 15:17-16:12/55 | 06:28 13:08-14:01/53 14:04-15:08/64 16:48 07:15-08:34/79 | 07:02 13:00-14:17/77 16:28 07:31-08:33/62 |
| 6 | 05:30 20:28 | 05:56 20:05 | 06:26 17:46-18:24/38 19:20 | 06:55 17:53-17:58/55 18:31 15:15-16:13/58 | 06:29 13:07-14:02/55 14:04-15:06/62 16:47 07:15-08:34/79 | 07:03 13:00-14:17/77 16:28 07:32-08:33/61 |
| 7 | 05:31 20:28 | 05:57 20:04 | 06:27 17:45-18:24/39 19:19 | 06:56 15:13-16:13/60 18:29 | 06:31 13:05-14:03/58 14:05-15:05/60 16:46 07:15-08:34/79 | 07:04 13:01-14:17/76 16:28 07:33-08:33/60 |
| 8 | 05:32 20:28 | 05:58 20:03 | 06:28 17:45-18:23/38 19:17 | 06:57 15:11-16:14/63 18:27 | 06:32 13:04-14:04/60 14:07-15:05/58 16:45 07:16-08:35/79 | 07:05 13:01-14:18/77 16:28 07:34-08:33/59 |
| 9 | 05:32 20:27 | 05:59 20:01 | 06:29 17:45-18:23/38 19:15 | 06:58 15:10-16:14/64 18:26 | 06:33 13:03-14:05/62 14:08-15:04/56 16:44 07:15-08:35/80 | 07:05 13:02-14:18/76 16:28 07:35-08:33/58 |
| 10 | 05:33 20:27 | 06:00 20:00 | 06:30 17:45-18:22/37 19:14 | 06:59 15:08-16:15/67 18:24 | 06:34 13:02-14:05/63 14:09-15:02/53 16:43 07:15-08:35/80 | 07:06 13:03-14:19/76 16:28 07:35-08:34/59 |
| 11 | 05:34 20:26 | 06:01 19:59 | 06:31 17:45-18:21/36 19:12 | 07:00 08:48-09:02/14 18:23 15:07-16:15/68 | 06:35 13:01-14:06/65 14:10-15:01/51 16:42 07:15-08:35/80 | 07:07 13:02-14:18/76 16:28 07:36-08:34/58 |
| 12 | 05:34 20:26 | 06:02 19:58 | 06:32 17:46-18:20/34 19:10 | 07:01 08:43-09:07/24 18:21 15:07-16:16/69 | 06:36 13:01-14:07/66 14:12-15:00/48 16:41 07:16-08:35/79 | 07:08 13:03-14:19/76 16:28 07:36-08:33/57 |
| 13 | 05:35 20:26 | 06:03 19:56 | 06:33 17:46-18:19/33 19:09 | 07:03 08:39-09:11/32 18:19 15:05-16:16/71 | 06:38 13:00-14:08/68 14:14-15:04/49 16:40 07:16-08:35/79 | 07:09 13:04-14:20/76 16:29 07:37-08:34/57 |
| 14 | 05:36 20:25 | 06:04 19:55 | 06:34 17:47-18:17/30 19:07 | 07:04 08:36-09:14/38 18:18 15:04-16:16/72 | 06:39 12:59-14:08/69 14:15-14:57/42 16:39 07:17-08:35/78 | 07:09 13:04-14:20/76 16:29 07:38-08:34/56 |
| 15 | 05:37 20:24 | 06:05 19:54 | 06:35 17:48-18:16/28 19:05 | 07:05 08:33-09:16/43 18:16 15:03-16:16/73 | 06:40 12:58-14:09/71 14:17-14:55/38 16:38 07:17-08:35/78 | 07:10 13:04-14:20/76 16:29 07:39-08:34/55 |
| 16 | 05:37 20:24 | 06:06 19:52 | 06:36 17:49-18:14/25 19:04 | 07:06 08:31-09:18/47 18:15 15:02-16:16/74 | 06:41 12:58-14:10/72 14:20-14:54/34 16:38 07:18-08:36/78 | 07:11 13:05-14:21/76 16:29 07:39-08:34/55 |
| 17 | 05:38 20:23 | 06:07 19:51 | 06:37 17:50-18:10/20 19:02 | 07:07 08:29-09:19/50 18:13 15:01-16:16/75 | 06:42 12:58-14:10/72 14:22-14:52/30 16:37 07:18-08:35/77 | 07:12 13:06-14:21/75 16:29 07:40-08:35/55 |
| 18 | 05:39 20:23 | 06:08 19:49 | 06:37 17:53-18:07/14 19:00 | 07:08 08:27-09:21/54 18:12 15:01-16:16/75 | 06:43 12:57-14:10/73 14:25-14:49/24 16:36 07:18-08:35/77 | 07:12 13:06-14:21/75 16:30 07:40-08:34/54 |
| 19 | 05:40 20:22 | 06:09 19:48 | 06:38 18:59 | 07:09 08:26-09:22/56 18:10 15:00-16:15/75 | 06:45 12:57-14:11/74 14:29-14:45/16 16:35 07:19-08:35/76 | 07:13 13:07-14:22/75 16:30 07:41-08:35/54 |
| 20 | 05:40 20:21 | 06:09 19:47 | 06:39 18:57 | 07:10 08:25-09:24/59 18:09 15:00-16:16/76 | 06:46 12:57-14:11/74 16:35 07:19-08:34/75 | 07:13 13:08-14:23/75 16:31 07:42-08:36/54 |
| 21 | 05:41 20:21 | 06:10 19:45 | 06:40 18:55 | 07:11 08:24-09:25/61 18:08 15:00-16:16/76 | 06:47 12:57-14:12/75 16:34 07:21-08:35/74 | 07:14 13:08-14:23/75 16:31 07:42-08:36/54 |
| 22 | 05:42 20:20 | 06:11 19:44 | 06:41 18:54 | 07:12 08:22-09:26/64 18:06 14:59-16:15/76 | 06:48 12:57-14:12/75 16:33 07:21-08:35/74 | 07:15 13:09-14:24/75 16:32 07:43-08:37/54 |
| 23 | 05:43 20:19 | 06:12 19:42 | 06:42 17:54-18:05/11 18:52 | 07:13 08:21-09:27/66 18:05 14:59-16:15/76 | 06:49 12:57-14:13/76 16:33 07:21-08:34/73 | 07:15 13:09-14:24/75 16:32 07:43-08:37/54 |
| 24 | 05:44 20:18 | 06:13 19:41 | 06:43 17:52-18:07/15 18:50 | 07:14 08:20-09:28/68 18:03 14:59-16:14/75 | 06:50 12:57-14:13/76 16:32 07:22-08:34/72 | 07:16 13:09-14:24/75 16:33 07:43-08:37/54 |
| 25 | 05:45 20:17 | 06:14 18:03-18:16/13 19:39 | 06:44 17:50-18:08/18 18:49 | 06:16 07:19-08:28/69 17:02 13:58-15:14/76 | 06:51 12:57-14:13/76 16:32 07:23-08:34/71 | 07:16 13:10-14:25/75 16:33 07:44-08:38/54 |
| 26 | 05:46 20:16 | 06:15 18:00-18:18/18 19:38 | 06:45 17:49-18:09/20 18:47 | 06:17 07:19-08:30/71 17:01 13:59-15:14/75 | 06:52 12:58-14:14/76 16:31 07:24-08:35/71 | 07:16 13:10-14:25/75 16:34 07:44-08:39/55 |
| 27 | 05:47 20:16 | 06:16 17:57-18:20/23 19:36 | 06:46 17:48-18:09/21 18:45 15:45-15:55/10 | 06:18 07:18-08:30/72 16:59 13:59-15:13/74 | 06:53 12:58-14:14/76 16:31 07:25-08:34/69 | 07:17 13:10-14:26/76 16:34 07:44-08:39/55 |
| 28 | 05:47 20:15 | 06:17 17:56-18:21/25 19:35 | 06:47 17:47-18:09/22 18:44 15:38-16:01/23 | 06:19 07:17-08:31/74 16:58 13:59-15:13/74 | 06:55 12:58-14:15/77 16:30 07:25-08:34/69 | 07:17 13:11-14:27/76 16:35 07:45-08:40/55 |
| 29 | 05:48 20:14 | 06:18 17:54-18:23/29 19:33 | 06:48 17:47-18:09/22 18:42 15:34-16:04/30 | 06:20 13:31-13:43/12 13:59-15:12/73 16:57 07:17-08:31/74 | 06:56 12:58-14:15/77 16:30 07:26-08:34/68 | 07:17 13:11-14:27/76 16:36 07:45-08:41/56 |
| 30 | 05:49 20:13 | 06:19 17:53-18:23/30 19:32 | 06:49 17:47-18:08/21 18:40 15:30-16:06/36 | 06:21 13:24-13:48/24 13:59-15:11/72 16:55 07:16-08:32/76 | 06:57 12:58-14:15/77 16:30 07:27-08:34/67 | 07:18 13:12-14:27/75 16:37 07:45-08:41/56 |
| 31 | 05:50 20:12 | 06:20 17:51-18:24/33 19:30 | | 06:22 13:21-13:52/31 14:01-15:11/70 16:54 07:16-08:33/77 | | 07:18 13:12-14:28/76 16:37 07:45-08:42/57 |
| Ore potenziali eliofania | 457 | 427 | 375 | 346 | 299 | 290 |
| Somma minuti d'ombra | 0 | 171 | 842 | 3447 | 5216 | 4125 |

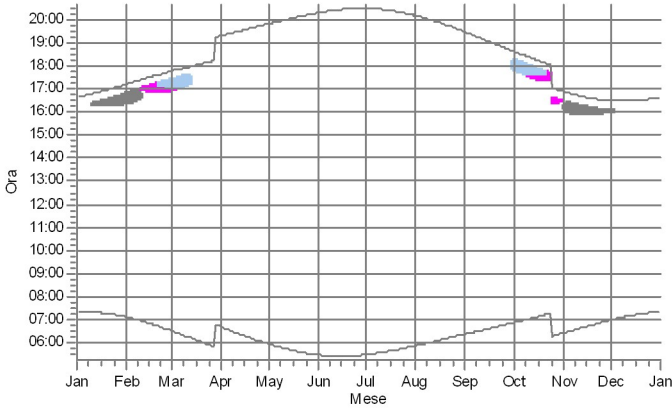
Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

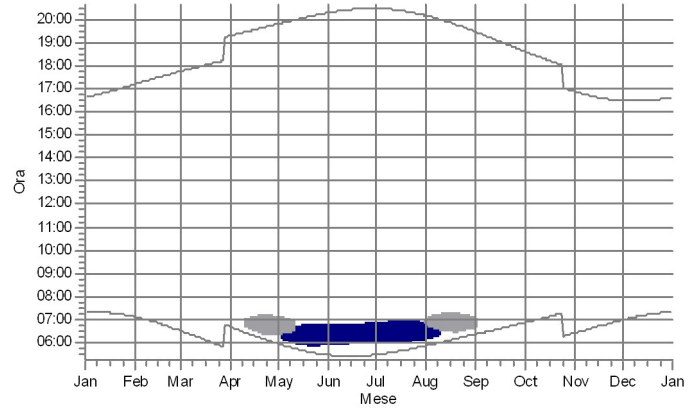
SHADOW - Calendario per WTG, grafico

Calcolo: SHADOW FLIKER FERRANDINA

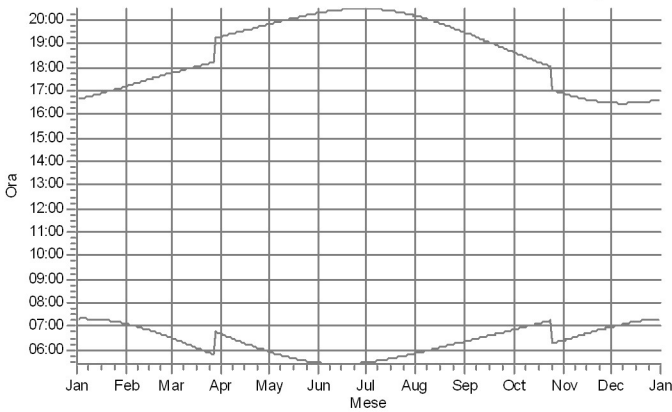
A1: Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0)



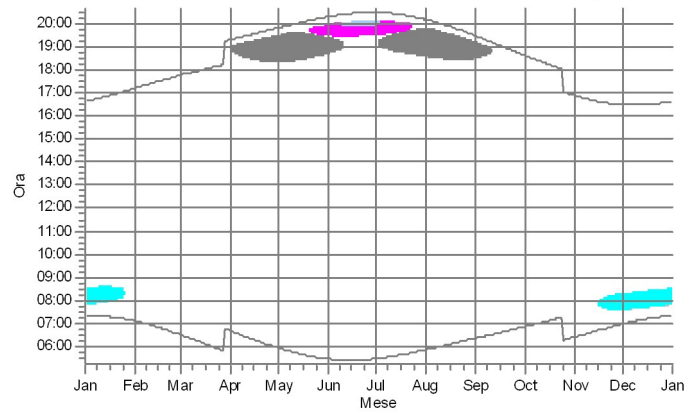
A10: Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0)



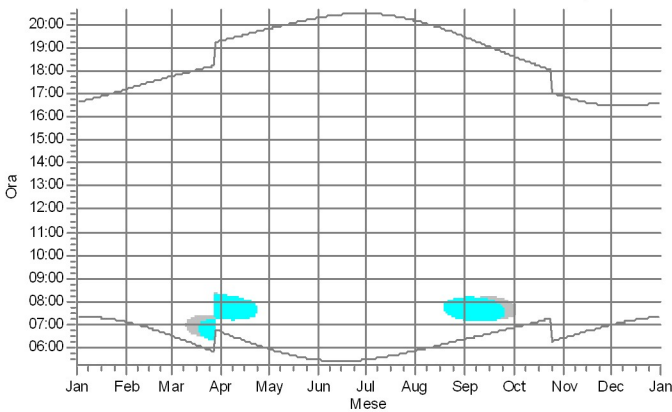
A11: Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0)



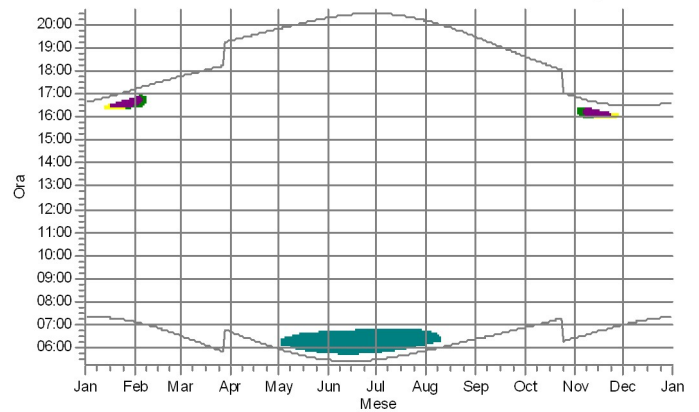
A2: Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0)



A3: Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0)



A4: Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0)



Recettori d'ombra

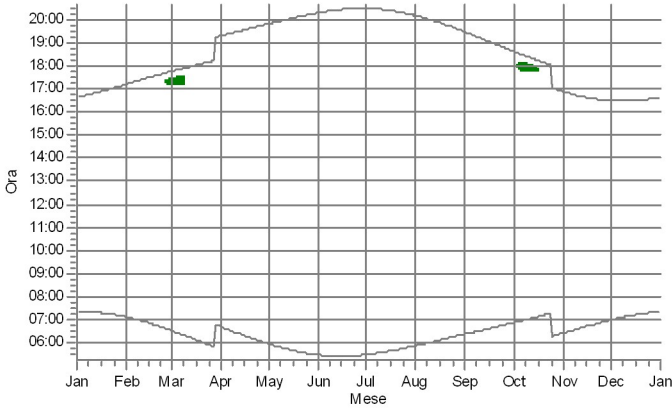
- D1: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (11)
- D2: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (12)
- D3: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (13)
- D4: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (14)
- D5: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (15)
- D6: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (16)
- D7: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (17)

- R3: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (3)
- R4: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (4)
- R5: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (5)
- R6: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (6)
- R7: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (7)
- R8: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (8)

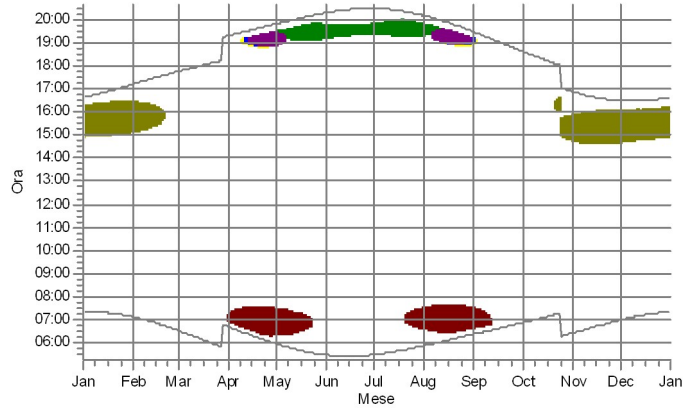
SHADOW - Calendario per WTG, grafico

Calcolo: SHADOW FLIKER FERRANDINA

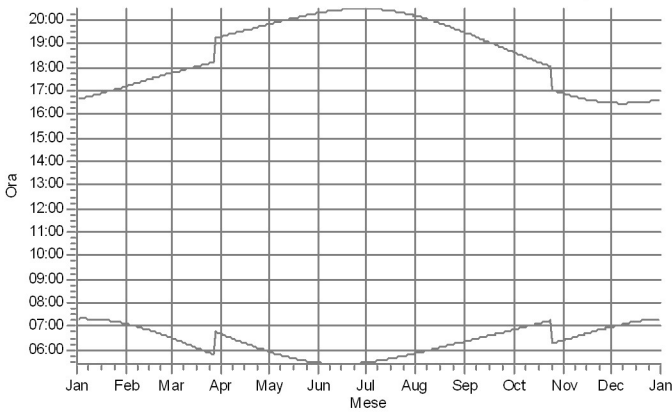
A5: Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0)



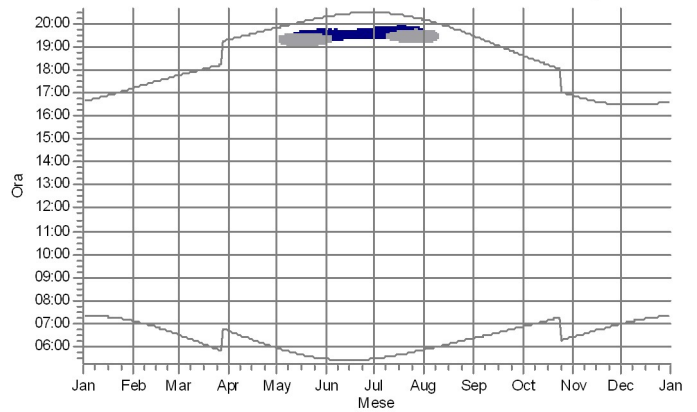
A6: Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0)



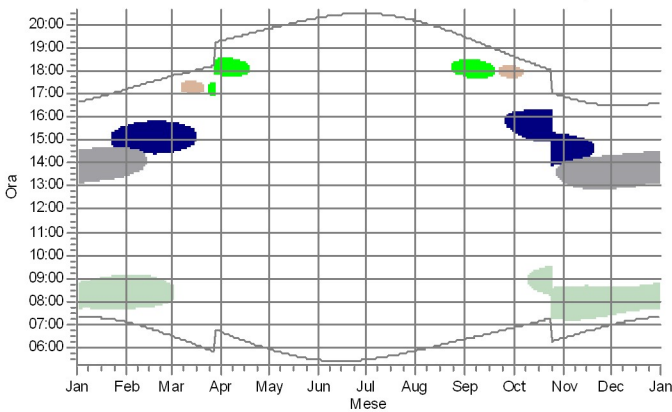
A7: Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0)



A8: Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0)



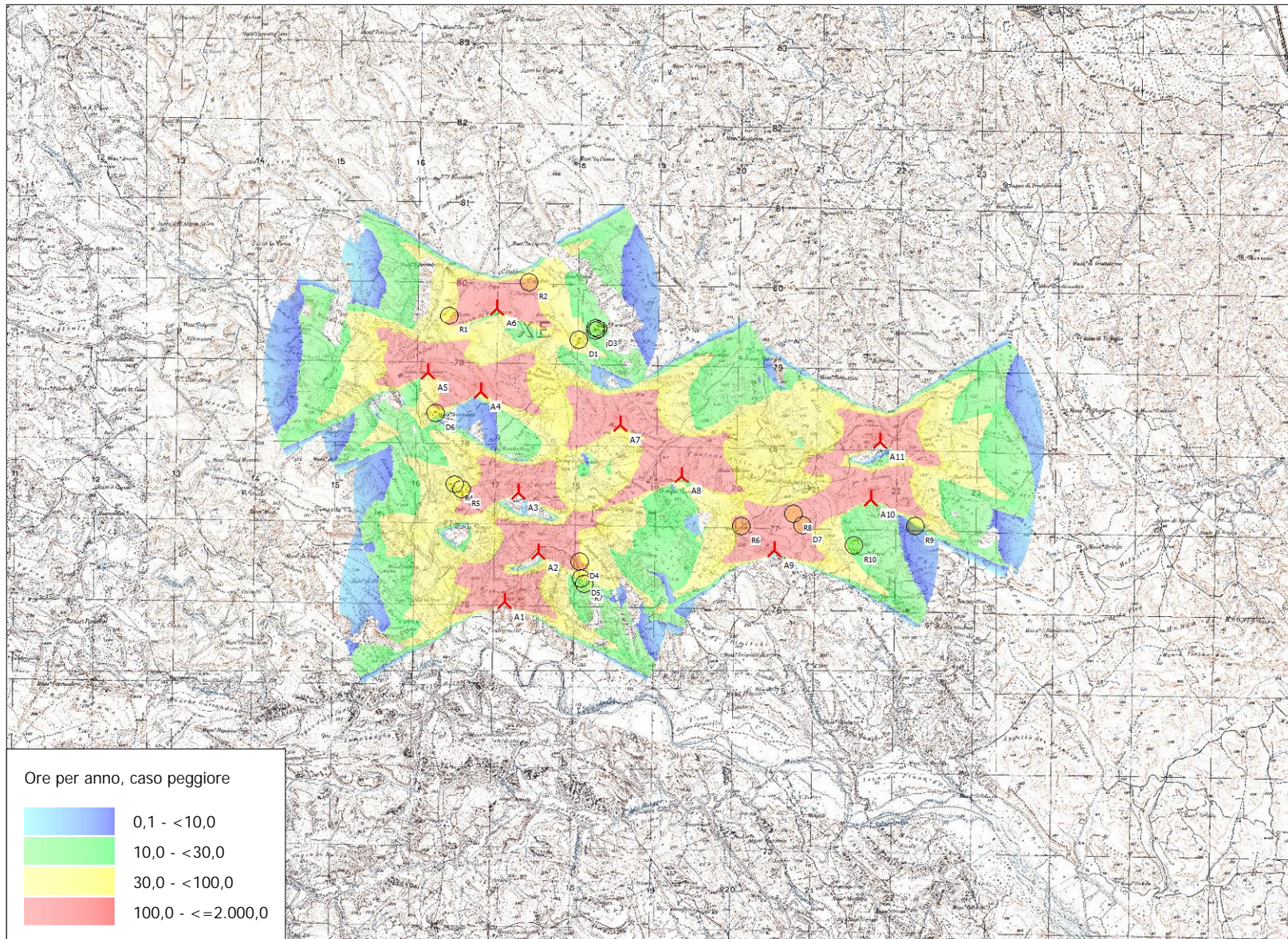
A9: Siemens Gamesa SG 6.0-170 6200 170.0 !O! hub: 115,0 m (TOT: 200,0)



Recettori d'ombra

- D1: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (11)
- D2: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (12)
- D3: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (13)
- D7: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (17)
- R1: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (1)
- R10: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (10)

- R2: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (2)
- R3: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (3)
- R6: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (6)
- R8: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (8)
- R9: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (9)



SHADOW -
Mappa
Calcolo:
SHADOW FLIKER FERRANDINA

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05/07/2021 10:32/3.4.415

▲ Nuova WTG

● Recettore d'ombra

Mappa: IGM maps 1:25000 , Scala di stampa 1:75.000, Centro mappa UTM (north)-WGS84 Zone: 33 Est: 618.790 Nord: 4.477.340

Fonte altimetria:: Height Contours: CONTOURLINE_ONLINEDATA_0.wpo (1)